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ETSI EN 300 328 V2.2.2 (2019-07)

TEST REPORT

For

SHENZHEN TENDA TECHNOLOGY CO., LTD.

6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Tested Model: AX12 Pro

Report Type: Original Report	Product Name: AX3000 Dual Band Gigabit Wi-Fi 6 Router
Report Number:	RSZA251230001-01B
Report Date:	2026-02-05
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RSZA251230001-01B	R1V1	2026-02-05	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	SHENZHEN TENDA TECHNOLOGY CO., LTD.
Product Name:	AX3000 Dual Band Gigabit Wi-Fi 6 Router
Tested Model:	AX12 Pro
Power Supply:	DC 12V from adapter
RF Function:	2.4G Wi-Fi
Operating Band /Frequency:	2412-2472 MHz (802.11b/g/n-HT20/ax-HE20), 2422~2462 MHz (802.11n-HT40/ax-HE40)
Maximum EIRP:	SISO: 802.11b: 18.07 dBm 802.11g: 16.96 dBm MIMO: 802.11 n-HT20: 18.41 dBm 802.11 n-HT40: 18.61 dBm 802.11 ax-HE20: 18.25 dBm 802.11 ax-HE40: 18.22 dBm Beamforming: 802.11 n-HT20: 19.20 dBm 802.11 n-HT40: 19.33 dBm 802.11 ax-HE20: 19.35 dBm 802.11 ax-HE40: 19.23 dBm
Channel Number:	13(802.11b/g/n-HT 20/ax-HE20), 9(802.11n-HT 40/ax-HE40)
Channel Separation:	5MHz
Modulation Type:	DSSS, OFDM, OFDMA
★Maximum Antenna Gain:	Antenna Gain: 4.83 dBi Beamforming Gain: 3.0 dB

Adapter information

Model: BW0121201000WE

Input: 100-240V, 50/60Hz, 0.5A

Output: 12.0V, 1.0A 12.0W

Note: The maximum antenna gain was provided by the applicant.

All measurement and test data in this report was gathered from production sample serial number: RSZA251230001-1(Assigned by BACL (Kunshan). The EUT was received on 2025-12-30).

Objective

This report is prepared for *SHENZHEN TENDA TECHNOLOGY CO., LTD.* in accordance with ETSI EN 300 328 V2.2.2 (2019-07), Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum

The objective is to determine the compliance of EUT with ETSI EN 300 328 V2.2.2 (2019-07).

Test Methodology

All measurements contained in this report were conducted with ETSI EN 300 328 V2.2.2 (2019-07).

Measurement Uncertainty

Item	Uncertainty
RF Output Power with Power meter	0.5dB
Power Spectral Density, conducted	0.5dB
Unwanted Emissions, conducted	2.34 dB
Radiated Spurious Emissions	5.44 dB
Occupied Bandwidth	0.5kHz
Temperature	1.0°C
Humidity	5%
Time	5%
Supply voltages	0.4%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the Building 2 & 6, No.248, Chenghu Road, Development Zone, Yushan, Kunshan, Suzhou, Jiangsu, China.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Test channel list is as below:

For 802.11b, 802.11g, 802.11n-HT20 and 802.11ax-HE20 mode , EUT was tested with Channel 1, 7 and 13.

For 802.11n-HT40 and 802.11ax-HE40 mode, EUT was tested with Channel 3, 7 and 11.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442	/	/

The worst-case data rates are determined to be as follows for each mode based upon investigation by measuring the average power and PSD across all data rates, bandwidths and modulations.

EUT Exercise Software

RF test tool: engineering mode

Pre-scan with all the data rates, and the worst case was performed as below:

SISO

Mode	Data Rate	Channel	★Power Level	
			Chain 0	Chain 1
802.11b	1 Mbps	2412	50.00	70.00
		2442	50.00	60.00
		2472	50.00	60.00
802.11g	6 Mbps	2412	30.00	40.00
		2442	36.00	36.00
		2472	36.00	36.00

Note: The power level was declared by the applicant.

MIMO

Mode	Data Rate	Channel	★Power Level	
			Chain 0	Chain 1
802.11n-HT20	MCS0	2412	30.00	30.00
		2442	28.00	28.00
		2472	28.00	28.00
802.11n-HT40	MCS0	2422	30.00	30.00
		2442	28.00	28.00
		2462	28.00	28.00
802.11ax-HE20	MCS0	2412	30.00	30.00
		2442	28.00	28.00
		2472	28.00	28.00
802.11ax-HE40	MCS0	2422	30.00	30.00
		2442	28.00	28.00
		2462	28.00	28.00

Note: The power level was declared by the applicant.

Beamforming

Mode	Data Rate	Channel	★Power Level	
			Chain 0	Chain 1
802.11n-HT20	MCS0	2412	36.00	36.00
		2442	34.00	34.00
		2472	34.00	34.00
802.11n-HT40	MCS0	2422	36.00	36.00
		2442	34.00	34.00
		2462	34.00	34.00
802.11ax-HE20	MCS0	2412	36.00	36.00
		2442	34.00	34.00
		2472	34.00	34.00
802.11ax-HE40	MCS0	2422	36.00	36.00
		2442	34.00	34.00
		2462	34.00	34.00

Note: The power level was declared by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

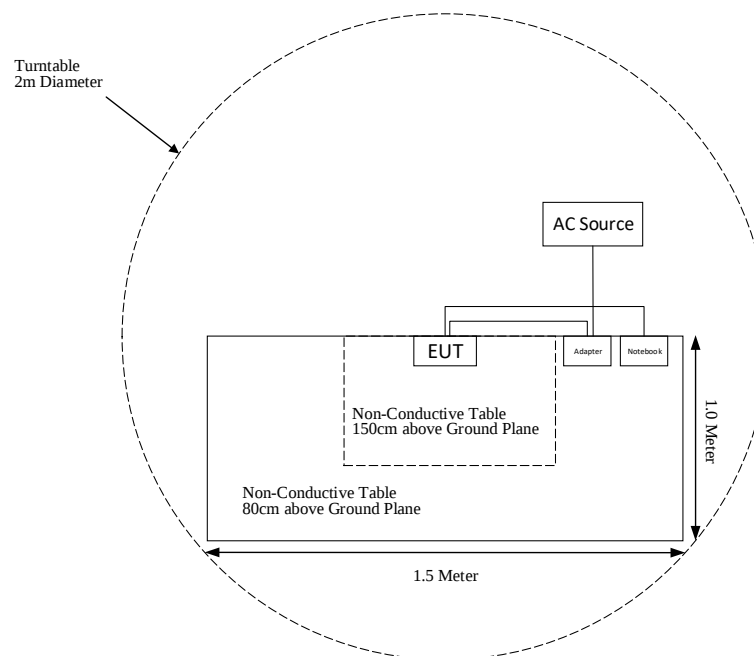
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5

External I/O Cable

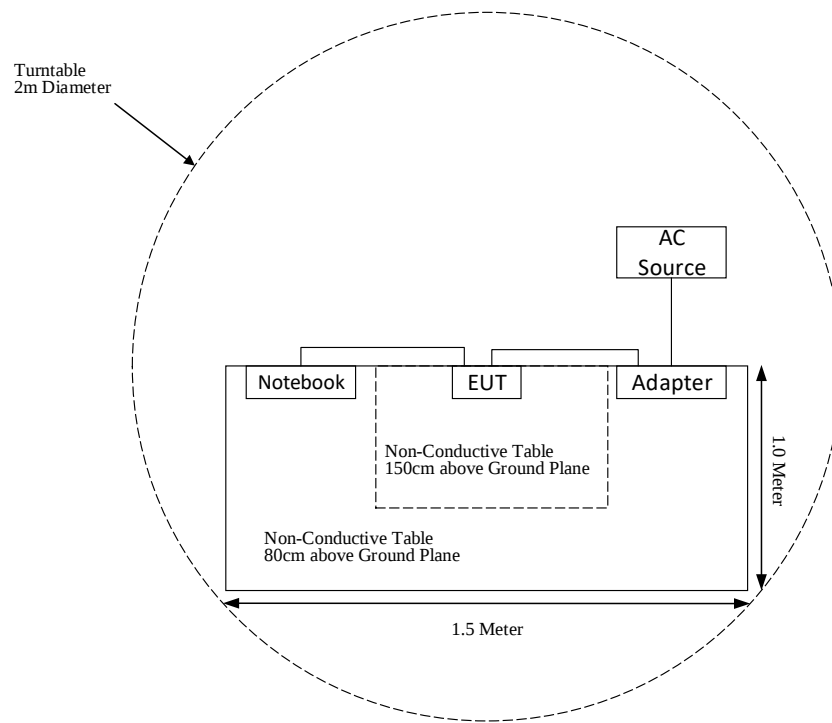
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	EUT	Adapter
Power Cable 2	1.0	Adapter	AC Source
Power Cable 3	1.0	EUT	Notebook

Block Diagram of Test Setup

For Radiated Emissions (Above 1 GHz):



For Radiated Emissions (Above 1 GHz):



SUMMARY OF TEST RESULTS

ETSI EN 300 328 V2.2.2 (2019-07)	Description of Test	Test Result
Clause 4.3.2.2	RF Output Power	Compliant
Clause 4.3.2.3	Power Spectral Density	Compliant
Clause 4.3.2.4	Duty Cycle, Tx-sequence, Tx-gap	Not Applicable (See Note 1)
Clause 4.3.2.5	Medium Utilization (MU) factor	Not Applicable (See Note 1)
Clause 4.3.2.6	Adaptivity (non-FHSS)	Compliant
Clause 4.3.2.7	Occupied Channel Bandwidth	Compliant
Clause 4.3.2.8	Transmitter Unwanted Emissions in the out-of-Band Domain	Compliant
Clause 4.3.2.9	Transmitter Unwanted Emissions in the Spurious Domain	Compliant
Clause 4.3.2.10	Receiver Spurious Emissions	Compliant
Clause 4.3.2.11	Receiver Blocking	Compliant
Clause 4.3.2.12	Geo-location Capability	Not Applicable (See Note 2)

Note:

1. The EUT is adaptive equipment, while this item is only for non-adaptive mode.
2. The supplier declared that the equipment is unable to perform this function.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber 1#)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2025-04-09	2026-04-08
Aglient	Signal Generator	N5183A	MY51040755	2025-04-08	2026-04-07
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
Sonoma Instrument	Pre-amplifier	310N	171205	2025-04-09	2026-04-08
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-9	009	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-10	010	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-7	007	2025-04-08	2026-04-07
Radiated Emission Test (Chamber 2#)					
Aglient	Signal Generator	N5183A	MY51040755	2025-04-08	2026-04-07
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2025-04-09	2026-04-08
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3115	6229	2024-11-03	2027-11-02
A.H.Systems,inc	Pre-amplifier	PAM-0118P	512	2025-04-09	2026-04-08
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-11	011	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-12	012	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-13	013	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-16	016	2025-04-08	2026-04-07
RF Conducted Test					
Tonscend Corporation	RF Control Unit	JS0806-2	JS0806001	2025-04-09	2026-04-08
Tonscend Corporation	RF Test System	JS1120-3	N/A	N/A	N/A
Rohde & Schwarz	SMBV100A Vector Signal Generator	SMBV100A	261558	2025-04-08	2026-04-07
Rohde & Schwarz	SMB 100A Signal Generator	SMB100A	110390	2025-04-09	2026-04-08
HP	Attenuator/11dB	8494B	011	2025-04-09	2026-04-08
Agilent	Attenuator/110dB	8496B	110	2025-04-09	2026-04-08
Narda	Attenuator	10dB	010	2025-04-08	2026-04-07
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2025-04-09	2026-04-08
BACL	Temperature & Humidity Chamber	BTH-150	30023	2025-04-09	2026-04-08
R & S	Wideband Radio Communication Tester	CMW500	104478	2025-04-09	2026-04-08
XHFDZ	RG178 Coaxial Cable	SMA-178	XHF-1102	Each Time	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.2 - RF OUTPUT POWER

Applicable Standard

This requirement applies to all types of non-FHSS equipment.

The RF output power is defined as the mean equivalent isotropically radiated power (e.i.r.p.) of the equipment during a transmission burst.

Limit

The RF output power for non-FHSS equipment shall be equal to or less than 20 dBm.

NOTE: For Non-adaptive FHSS equipment, the manufacturer may have declared a reduced RF Output Power (see clause 5.4.1 m)) and associated Duty Cycle (see clause 5.4.1 e)) that will ensure that the equipment meets the requirement for the Medium Utilization (MU) factor further described in clause 4.3.2.5. This is verified by the conformance test referred to in clause 4.3.2.5.4.

For non-adaptive non-FHSS equipment, where the manufacturer has declared an RF output power of less than 20 dBm e.i.r.p., the RF output power shall be equal to or less than that declared value.

This limit shall apply for any combination of power level and intended antenna assembly.

Test Procedure

The test procedure shall be as follows:

Step 1:

- Use a fast power sensor with a minimum sensitivity of -40 dBm and capable of minimum 1 MS/s.
- Use the following settings:
 - Sample speed 1 MS/s or faster.
 - The samples shall represent the RMS power of the signal.
 - Measurement duration: For non-adaptive equipment: equal to the observation period defined in clause 4.3.1.3.2 or clause 4.3.2.4.2. For adaptive equipment, the measurement duration shall be long enough to ensure a minimum number of bursts (at least 10) is captured.

NOTE 1: For adaptive equipment, to increase the measurement accuracy, a higher number of bursts may be used.

Step 2:

- For conducted measurements on devices with one transmit chain:
 - Connect the power sensor to the transmit port, sample the transmit signal and store the raw data. Use these stored samples in all following steps.
- For conducted measurements on devices with multiple transmit chains:
 - Connect one power sensor to each transmit port for a synchronous measurement on all transmit ports.
 - Trigger the power sensors so that they start sampling at the same time. Make sure the time difference between the samples of all sensors is less than 500 ns.
 - For each individual sampling point (time domain), sum the coincident power samples of all ports and store them. Use these summed samples as the new stored data set.

Step 3:

- Find the start and stop times of each burst in the stored measurement samples. The start and stop times are defined as the points where the power is at least 30 dB below the highest value of the stored samples in step 2.

NOTE 2: In case of insufficient dynamic range, the value of 30 dB may need to be reduced appropriately.

Step 4:

- Between the start and stop times of each individual burst calculate the RMS power over the burst using the formula below. The start and stop points shall be included. Save these P_{burst} values, as well as the start and stop times for each burst.

$$P_{burst} = \frac{1}{k} \sum_{n=1}^k P_{sample}(n)$$

With 'k' being the total number of samples and 'n' the actual sample number

Step 5:

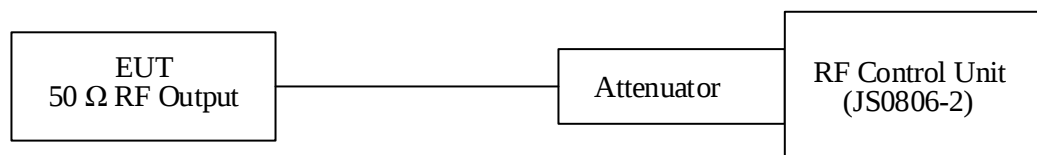
- The highest of all P_{burst} values (value "A" in dBm) will be used for maximum e.i.r.p. calculations.

Step 6:

- Add the (stated) antenna assembly gain "G" in dBi of the individual antenna.
- If applicable, add the additional beamforming gain "Y" in dB.
- If more than one antenna assembly is intended for this power setting, the maximum overall antenna gain (G or G + Y) shall be used.
- The RF Output Power (P) shall be calculated using the formula below:

$$P = A + G + Y$$

- This value, which shall comply with the limit given in clauses 4.3.1.2.3 or clause 4.3.2.2.3, shall be recorded in the test report.

Test Setup Block diagram

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.3 - POWER SPECTRAL DENSITY

Applicable Standard

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.3.1, this requirement applies to this requirement applies to all types of non-FHSS equipment.

The Power Spectral Density is the mean equivalent isotropically radiated power (e.i.r.p.) spectral density in a 1 MHz bandwidth during a transmission burst.

The maximum Power Spectral Density for non-FHSS equipment is 10 dBm per MHz.

Test Procedure

Option 1: For equipment with continuous and non-continuous transmissions

The transmitter shall be connected to a spectrum analyser and the Power Spectral Density (PSD) as defined in clause 4.3.2.3 shall be measured and recorded.

The test procedure shall be as follows:

Step 1:

Connect the UUT to the spectrum analyser and use the following settings:

- Start Frequency: 2 400 MHz
- Stop Frequency: 2 483.5 MHz
- Resolution BW: 10 kHz
- Video BW: 30 kHz
- Sweep Points: > 8 350; for spectrum analysers not supporting this number of sweep points, the frequency band may be segmented
- Detector: RMS
- Trace Mode: Max Hold
- Sweep time: For non-continuous transmissions: $2 \times \text{Channel Occupancy Time} \times \text{number of sweep points}$

For non-adaptive equipment use the maximum TX-sequence time in the formula above instead of the Channel Occupancy Time

For continuous transmissions: 10 s; the sweep time may be increased further until a value where the sweep time has no further impact anymore on the RMS value of the signal

For non-continuous signals, wait for the trace to stabilize.

Save the data (trace data) set to a file.

Step 2:

For conducted measurements on smart antenna systems using either operating mode 2 or operating mode 3 (see clause 5.3.2.2), repeat the measurement for each of the transmit ports. For each sampling point (frequency domain), add up the coincident power values (in mW) for the different transmit chains and use this as the new data set.

Step 3:

Add up the values for power for all the samples in the file using the formula below.

$$P_{Sum} = \frac{1}{k} \sum_{n=1}^k P_{sample}(n)$$

with 'k' being the total number of samples and 'n' the actual sample number

Step 4:

Normalize the individual values for power (in dBm) so that the sum is equal to the RF Output Power (e.i.r.p.) measured in clause 5.4.2 and save the corrected data. The following formulas can be used:

$$C_{Corr} = P_{Sum} - P_{e.i.r.p.}$$

$$P_{Samplecorr}(n) = P_{Sample}(n) - C_{Corr}$$

with 'n' being the actual sample number

Step 5:

Starting from the first sample $P_{Samplecorr}(n)$ (lowest frequency), add up the power (in mW) of the following samples representing a 1 MHz segment and record the results for power and position (i.e. sample #1 to sample #100). This is the Power Spectral Density (e.i.r.p.) for the first 1 MHz segment which shall be recorded.

Step 6:

Shift the start point of the samples added up in step 5 by one sample and repeat the procedure in step 5 (i.e. sample #2 to sample #101).

Step 7:

Repeat step 6 until the end of the data set and record the Power Spectral Density values for each of the 1 MHz segments.

From all the recorded results, the highest value is the maximum Power Spectral Density for the UUT. This value, which shall comply with the limit given in clause 4.3.2.3.3, shall be recorded in the test report.

Option 2: For equipment with continuous transmission capability or for equipment operating (or with the capability to operate) with a constant duty cycle (e.g. Frame Based equipment)

This option is for equipment that can be configured to operate in a continuous transmit mode (100 % DC) or with a constant Duty Cycle (DC).

Step 1:

Connect the UUT to the spectrum analyser and use the following settings:

- Centre Frequency: The centre frequency of the channel under test
- RBW: 1 MHz
- VBW: 3 MHz
- Frequency Span: At least $2 \times$ Occupied Channel Bandwidth
- Detector Mode: Peak
- Trace Mode: Max Hold

Step 2:

When the trace is complete, find the peak value of the power envelope and record the frequency.

Step 3:

Make the following changes to the settings of the spectrum analyser:

- Centre Frequency: Equal to the frequency recorded in step 2
- Frequency Span: 3 MHz
- RBW: 1 MHz
- VBW: 3 MHz
- Sweep Time: 1 minute
- Detector Mode: RMS
- Trace Mode: Max Hold

Step 4:

When the trace is complete, the trace shall be captured using the "Hold" or "View" option on the spectrum analyser.

Find the peak value of the trace and place the analyser marker on this peak. This level is recorded as the highest mean power (power spectral density) D in a 1 MHz band.

Alternatively, where a spectrum analyser is equipped with a function to measure power spectral density, this function may be used to display the power spectral density D in dBm / MHz.

In case of conducted measurements on smart antenna systems operating in a mode with multiple transmit chains active simultaneously, the power spectral density of each transmit chain shall be measured separately to calculate the total power spectral density (value D in dBm / MHz) for the UUT.

Step 5:

The maximum Power Spectral Density (PSD) e.i.r.p. is calculated from the above measured power spectral density D , the observed Duty Cycle (DC) (see clause 5.4.2.2.1.3, step 4), the applicable antenna assembly gain G in dBi and if applicable the beamforming gain Y in dB, according to the formula below. This value shall be recorded in the test report. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the highest gain shall be used.

$$\text{PSD} = D + G + Y + 10 \times \log (1 / \text{DC}) \text{ (dBm / MHz)}$$

Test Setup Block diagram

802.11b/g/n



Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.6 - ADAPTIVITY

Applicable Standard

Non-LBT based Detect and Avoid:

Non-LBT based Detect and Avoid is a mechanism for equipment using wide band modulations other than FHSS and by which a given channel is made 'unavailable' because an interfering signal was reported after the transmission in that channel. This mechanism shall operate as intended in the presence of an unwanted signal on frequencies other than those of the operating band.

LBT based Detect and Avoid:

LBT based Detect and Avoid is a mechanism by which equipment using wide band modulations other than FHSS, avoids transmissions in a channel in the presence of an interfering signal in that channel. This mechanism shall operate as intended in the presence of an unwanted signal on frequencies other than those of the operating band.

Limit:

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.6.2.2 & 4.3.2.6.3.2

Adaptive equipment using wide band modulations other than FHSS, shall comply with the requirements defined in clause 4.3.2.6.2 (non-LBT based DAA) or clause 4.3.2.6.3 (LBT based DAA).

Test Procedure

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 5.4.6.2

Test Setup Block diagram

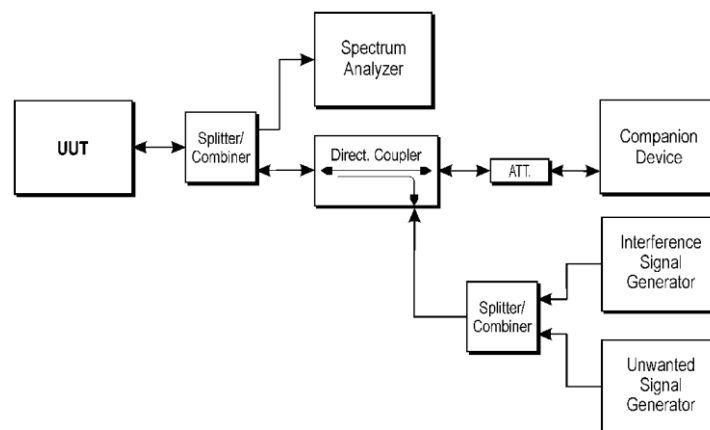


Figure 5: Test set-up for verifying the adaptivity of an equipment

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.7 - OCCUPIED CHANNEL BANDWIDTH

Applicable Standard

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.7.2, the occupied channel bandwidth is the bandwidth that contains 99 % of the power of the signal.

Limit:

The Occupied Channel Bandwidth shall fall completely within the band given in table 1.

In addition, for non-adaptive non-FHSS equipment with e.i.r.p. greater than 10 dBm, the Occupied Channel Bandwidth shall be equal to or less than 20 MHz.

Test Procedure

The measurement procedure shall be as follows:

Step 1:

Connect the UUT to the spectrum analyser and use the following settings:

- Centre Frequency: The centre frequency of the channel under test
- Resolution BW: $\sim 1\%$ of the span without going below 1%
- Video BW: $3 \times \text{RBW}$
- Frequency Span: $2 \times \text{Nominal Channel Bandwidth}$
- Detector Mode: RMS
- Trace Mode: Max Hold
- Sweep time: 1 s

Step 2:

Wait for the trace to stabilize.

Find the peak value of the trace and place the analyser marker on this peak.

Step 3:

Use the 99 % bandwidth function of the spectrum analyser to measure the Occupied Channel Bandwidth of the UUT. This value shall be recorded.

NOTE: Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.8 - TRANSMITTER UNWANTED EMISSION IN THE OUT-OF-BAND DOMAIN

Applicable Standard

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.8.2, Transmitter unwanted emissions in the out-of-band domain are emissions when the equipment is in Transmit mode, on frequencies immediately outside the necessary bandwidth which results from the modulation process, but excluding spurious emissions.

Limit:

The transmitter unwanted emissions in the out-of-band domain shall not exceed the values provided by the mask in figure 3.

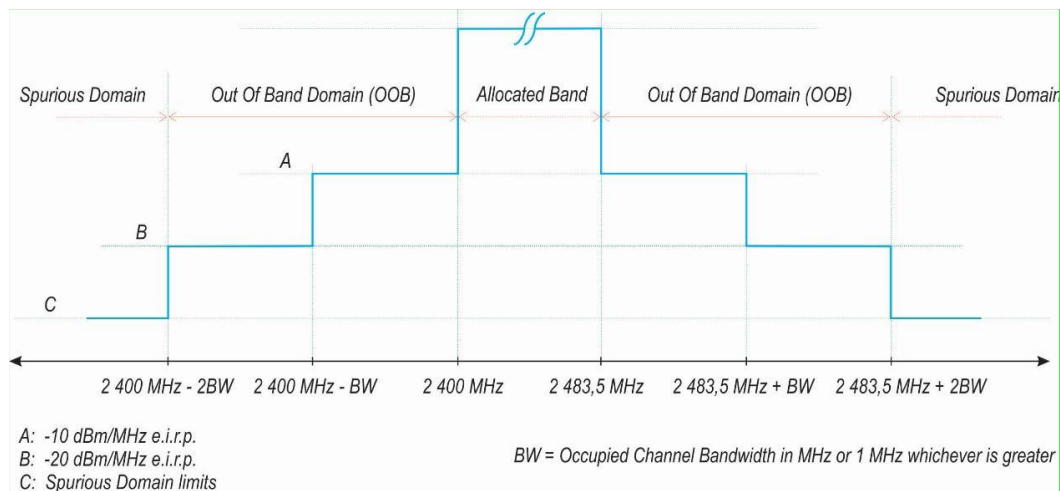


Figure 3: Transmit mask

Test Procedure

The measurement procedure shall be as follows:

Step 1:

- Connect the UUT to the spectrum analyser and use the following settings:

- Measurement Mode: Time Domain Power

- Centre Frequency: 2 484 MHz

- Span: Zero Span

- Resolution BW: 1 MHz

- Filter mode: Channel filter

- Video BW: 3 MHz

- Detector Mode: RMS

- Trace Mode: Max Hold

- Sweep Mode: Single Sweep

- Sweep Points: Sweep time [μs] / (1 μs) with a maximum of 30 000

- Trigger Mode: Video

- Sweep Time: > 120 % of the duration of the longest burst detected during the measurement of the RF Output Power

Step 2 (segment 2 483, 5 MHz to 2 483, 5 MHz + BW):

- Adjust the trigger level to select the transmissions with the highest power level.
- For frequency hopping equipment operating in a normal hopping mode, the different hops will result in signal bursts with different power levels. In this case the burst with the highest power level shall be selected.
- Set a window (start and stop lines) to match with the start and end of the burst and in which the RMS power shall be measured using the Time Domain Power function.
- Select RMS power to be measured within the selected window and note the result which is the RMS power within this 1 MHz segment (2 483, 5 MHz to 2 484, 5 MHz). Compare this value with the applicable limit provided by the mask.
- Increase the centre frequency in steps of 1 MHz and repeat this measurement for every 1 MHz segment within the range 2 483, 5 MHz to 2 483, 5 MHz + BW. The centre frequency of the last 1 MHz segment shall be set to 2 483, 5 MHz + BW - 0, 5 MHz (which means this may partly overlap with the previous 1 MHz segment).

Step 3 (segment 2 483, 5 MHz + BW to 2 483, 5 MHz + 2BW):

- Change the centre frequency of the analyser to 2 484 MHz + BW and perform the measurement for the first 1 MHz segment within range 2 483, 5 MHz + BW to 2 483, 5 MHz + 2BW. Increase the centre frequency in 1 MHz steps and repeat the measurements to cover this whole range. The centre frequency of the last 1 MHz segment shall be set to 2 483, 5 MHz + 2 BW - 0, 5 MHz (which means this may partly overlap with the previous 1 MHz segment).

Step 4 (segment 2 400 MHz - BW to 2 400 MHz):

- Change the centre frequency of the analyser to 2 399, 5 MHz and perform the measurement for the first 1 MHz segment within range 2 400 MHz - BW to 2 400 MHz. Reduce the centre frequency in 1 MHz steps and repeat the measurements to cover this whole range. The centre frequency of the last 1 MHz segment shall be set to 2 400 MHz - BW + 0, 5 MHz (which means this may partly overlap with the previous 1 MHz segment).

Step 5 (segment 2 400 MHz - 2BW to 2 400 MHz - BW):

- Change the centre frequency of the analyser to 2 399, 5 MHz - BW and perform the measurement for the first 1 MHz segment within range 2 400 MHz - 2BW to 2 400 MHz - BW. Reduce the centre frequency in 1 MHz steps and repeat the measurements to cover this whole range. The centre frequency of the last 1 MHz segment shall be set to 2 400 MHz - 2BW + 0, 5 MHz (which means this may partly overlap with the previous 1 MHz segment).

Step 6:

•In case of conducted measurements on equipment with a single transmit chain, the declared antenna assembly gain G in dBi shall be added to the results for each of the 1 MHz segments and compared with the limits provided by the mask given in figure 1 or figure 3. If more than one antenna assembly is intended for this power setting, the antenna with the highest gain shall be considered.

•In case of conducted measurements on smart antenna systems (equipment with multiple transmit chains), the measurements need to be repeated for each of the active transmit chains. The declared antenna assembly gain G in dBi for a single antenna shall be added to these results. If more than one antenna assembly is intended for this power setting, the antenna with the highest gain shall be considered. Comparison with the applicable limits shall be done using any of the options given below:

- Option 1: the results for each of the transmit chains for the corresponding 1 MHz segments shall be added. The additional beamforming gain Y in dB shall be added as well and the resulting values compared with the limits provided by the mask given in figure 1 or figure 3.

- Option 2: the limits provided by the mask given in figure 1 or figure 3 shall be reduced by $10 \times \log_{10}(A_{ch})$ and the additional beamforming gain Y in dB. The results for each of the transmit chains shall be individually compared with these reduced limits.

NOTE: A_{ch} refers to the number of active transmit chains.

It shall be recorded whether the equipment complies with the mask provided in figure 1 or figure 3.

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.9 - TRANSMITTER UNWANTED EMISSION IN THE SPURIOUS DOMAIN

Applicable Standard

Transmitter unwanted emissions in the spurious domain are emissions outside the allocated band and outside the Out-of-band Domain as indicated in figure 3 when the equipment is in Transmit mode.

The transmitter unwanted emissions in the spurious domain shall not exceed the values given in the following table.

Transmitter limits for spurious emissions

Frequency Range	Maximum power e.r.p (≤ 1 GHz) e.i.r.p (> 1 GHz)	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87,5 MHz	-36 dBm	100 kHz
87,5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 694 MHz	-54 dBm	100 kHz
694 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12,75 GHz	-30 dBm	1 MHz

NOTE: In case of equipment with antenna connectors, these limits apply to emissions at the antenna port (conducted). For emissions radiated by the cabinet or emissions radiated by integral antenna equipment (without antenna connectors), these limits are e.r.p. for emissions up to 1 GHz and as e.i.r.p. for emissions above 1 GHz.

Test Procedure

Pre-scan:

The procedure in step 1 to step 4 below shall be used to identify potential unwanted emissions of the UUT.

Step 1:

The sensitivity of the spectrum analyser should be such that the noise floor is at least 12 dB below the limits given in table 5 or table 13.

Step 2:

The emissions over the range 30 MHz to 1 000 MHz shall be identified.

Spectrum analyser settings:

- Resolution bandwidth: 100 kHz
- Video bandwidth: 300 kHz
- Filter type: 3 dB (Gaussian)
- Detector mode: Peak
- Trace Mode: Max Hold
- Sweep Points: $\geq 19\,400$
- Sweep time: Auto

Wait for the trace to stabilize. Any emissions identified during the sweeps above and that fall within the 6 dB range below the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13.

Step 3:

The emissions over the range 1 GHz to 12.75 GHz shall be identified.

Spectrum analyser settings:

- Resolution bandwidth: 1 MHz
- Video bandwidth: 3 MHz
- Filter type: 3 dB (Gaussian)
- Detector mode: Peak
- Trace Mode: Max Hold
- Sweep Points: $\geq 23\,500$; for spectrum analysers not supporting this high number of sweep points, the frequency band may be segmented
- Sweep time: Auto

Wait for the trace to stabilize. Any emissions identified during the sweeps above that fall within the 6 dB range below the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13.

Frequency Hopping equipment may generate a block (or several blocks) of spurious emissions anywhere within the spurious domain. If this is the case, only the highest peak of each block of emissions shall be measured using the procedure in clause 5.4.10.2.1.3.

Step 4:

- In case of conducted measurements on smart antenna systems (equipment with multiple receive chains), step 2 and step 3 need to be repeated for each of the active receive chains. The limits used to identify emissions during this pre-scan need to be reduced by $10 \times \log_{10} A_{ch}$.

Measurement of the emissions identified during the pre-scan:

The procedure in step 1 to step 4 below shall be used to accurately measure the individual unwanted emissions identified during the pre-scan measurements above. This method assumes the spectrum analyser has a Time Domain Power function.

Step 1:

The level of the emissions shall be measured using the following spectrum analyser settings:

- Measurement Mode: Time Domain Power
- Centre Frequency: Frequency of the emission identified during the pre-scan
- Resolution Bandwidth: 100 kHz (< 1 GHz) / 1 MHz (> 1 GHz)
- Video Bandwidth: 300 kHz (< 1 GHz) / 3 MHz (> 1 GHz)
- Frequency Span: Zero Span
- Sweep time: > 120 % of the duration of the longest burst detected during the measurement of the RF Output Power
- Sweep points: Sweep time [μ s] / (1 μ s) with a maximum of 30 000
- Trigger: Video (burst signals) or Manual (continuous signals)
- Detector: RMS

Step 2:

Set a window where the start and stop indicators match the start and end of the burst with the highest level and record the value of the power measured within this window. If the spurious emission to be measured is a continuous transmission, the measurement window shall be set to match the start and stop times of the sweep.

Step 3:

In case of conducted measurements on smart antenna systems (equipment with multiple transmit chains), step 2 needs to be repeated for each of the active transmit chains (A_{ch}).

Sum the measured power (within the observed window) for each of the active transmit chains.

Step 4:

The value defined in step 3 shall be compared to the limits defined in table 4 or table 12.

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.10 - RECEIVER SPURIOUS EMISSIONS

Applicable Standard

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.10.2, the receiver spurious emissions are emissions at any frequency when the equipment is in receive mode.

The spurious emissions of the receiver shall not exceed the values given in the following table

Frequency range	Maximum power, e.r.p.	Measurement bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 12,75 GHz	-47 dBm	1 MHz

NOTE: In case of equipment with antenna connectors, these limits apply to emissions at the antenna port (conducted). For emissions radiated by the cabinet or for emissions radiated by integral antenna equipment (without antenna connectors), these limits are e.r.p. for emissions up to 1 GHz and e.i.r.p. for emissions above 1 GHz.

Test Procedure

Pre-scan:

The procedure in step 1 to step 4 below shall be used to identify potential unwanted emissions of the UUT.

Step 1:

The sensitivity of the spectrum analyser should be such that the noise floor is at least 12 dB below the limits given in table 5 or table 13.

Step 2:

The emissions over the range 30 MHz to 1 000 MHz shall be identified.

Spectrum analyser settings:

- Resolution bandwidth: 100 kHz
- Video bandwidth: 300 kHz
- Filter type: 3 dB (Gaussian)
- Detector mode: Peak
- Trace Mode: Max Hold
- Sweep Points: $\geq 19\,400$
- Sweep time: Auto

Note: Wait for the trace to stabilize. Any emissions identified during the sweeps above and that fall within the 6 dB range below the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13.

Step 3:

The emissions over the range 1 GHz to 12.75 GHz shall be identified.

Spectrum analyser settings:

- Resolution bandwidth: 1 MHz
- Video bandwidth: 3 MHz
- Filter type: 3 dB (Gaussian)
- Detector mode: Peak
- Trace Mode: Max Hold
- Sweep Points: $\geq 23\,500$; for spectrum analysers not supporting this high number of sweep points, the frequency band may be segmented
- Sweep time: Auto

Wait for the trace to stabilize. Any emissions identified during the sweeps above that fall within the 6 dB range below the applicable limit or above, shall be individually measured using the procedure in clause 5.4.10.2.1.3 and compared to the limits given in table 5 or table 13.

Frequency Hopping equipment may generate a block (or several blocks) of spurious emissions anywhere within the spurious domain. If this is the case, only the highest peak of each block of emissions shall be measured using the procedure in clause 5.4.10.2.1.3.

Step 4:

In case of conducted measurements on smart antenna systems (equipment with multiple receive chains), step 2 and step 3 need to be repeated for each of the active receive chains A_{ch} . The limits used to identify emissions during this pre-scan need to be reduced by $10 \times \log_{10} A_{ch}$.

Measurement of the emissions identified during the pre-scan:

The procedure in step 1 to step 4 below shall be used to accurately measure the individual unwanted emissions identified during the pre-scan measurements above. This method assumes the spectrum analyser has a Time Domain Power function.

Step 1:

The level of the emissions shall be measured using the following spectrum analyser settings:

- Measurement Mode: Time Domain Power
- Centre Frequency: Frequency of the emission identified during the pre-scan
- Resolution Bandwidth: 100 kHz ($< 1\text{ GHz}$) / 1 MHz ($> 1\text{ GHz}$)
- Video Bandwidth: 300 kHz ($< 1\text{ GHz}$) / 3 MHz ($> 1\text{ GHz}$)
- Frequency Span: Zero Span
- Sweep mode: Single Sweep
- Sweep time: 30 ms
- Sweep points: $\geq 30\,000$
- Trigger: Video (for burst signals) or Manual (for continuous signals)
- Detector: RMS

Step 2:

Set a window where the start and stop indicators match the start and end of the burst with the highest level and record the value of the power measured within this window. If the spurious emission to be measured is a continuous transmission, the measurement window shall be set to the start and stop times of the sweep.

Step 3:

In case of conducted measurements on smart antenna systems (equipment with multiple receive chains), step 2 needs to be repeated for each of the active receive chains A_{ch} .

Sum the measured power (within the observed window) for each of the active receive chains.

Step 4:

The value defined in step 3 shall be compared to the limits defined in table 5 and table 13.

Test Data: See Appendix

ETSI EN 300 328 V2.2.2 (2019-07) Clause 4.3.2.11 - RECEIVER BLOCKING

Applicable Standard

Receiver blocking is a measure of the ability of the equipment to receive a wanted signal on its operating channel without exceeding a given degradation in the presence of an unwanted signal (blocking signal) at frequencies other than those of the operating band.

While maintaining the minimum performance criteria as defined in clause 4.3.2.11.3, the blocking levels at specified frequency offsets shall be equal to or greater than the limits defined for the applicable receiver category provided in table 14, table 15 or table 16.

Table 14: Receiver Blocking parameters for Receiver Category 1 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 4)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 4)	Type of blocking signal
(-133 dBm + 10 × log ₁₀ (OCBW)) or -68 dBm whichever is less (see note 2)	2 380 2 504	-34	CW
(-139 dBm + 10 × log ₁₀ (OCBW)) or -74 dBm whichever is less (see note 3)	2 300 2 330 2 360 2 524 2 584 2 674		
NOTE 1: OCBW is in Hz.			
NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P _{min} + 26 dB where P _{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.			
NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to P _{min} + 20 dB where P _{min} is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.			
NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.			

Table 15: Receiver Blocking parameters receiver Category 2 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$ or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW
NOTE 1: OCBW is in Hz. NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to $P_{\min} + 26 \text{ dB}$ where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal. NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.			

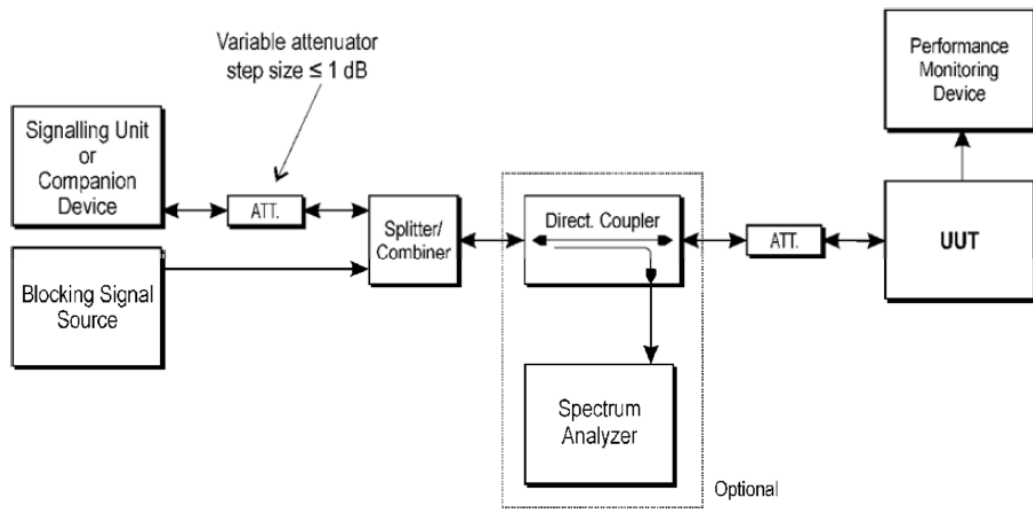
Table 16: Receiver Blocking parameters receiver Category 3 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 20 \text{ dB})$ or $(-74 \text{ dBm} + 20 \text{ dB})$ whichever is less (see note 2)	2 380 2 504 2 300 2 584	-34	CW
NOTE 1: OCBW is in Hz. NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to $P_{\min} + 30 \text{ dB}$ where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal. NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.			

Test Procedure

According to ETSI EN 300 328 V2.2.2 (2019-07) Clause 5.4.11.2

Test Setup Block diagram



Test Data: See Appendix

APPENDIX - TEST DATA

RF OUTPUT POWER

Environmental Conditions & Test Information

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: SISO /MIMO/Beamforming

SISO
Chain 0

802.11b Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	17.82	≤ 20
		+25		17.79	≤ 20
		+40		17.75	≤ 20
Middle	2442	0		18.01	≤ 20
		+25		17.97	≤ 20
		+40		17.92	≤ 20
High	2472	0		18.07	≤ 20
		+25		18.04	≤ 20
		+40		17.98	≤ 20

802.11g Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	16.93	≤ 20
		+25		16.86	≤ 20
		+40		16.82	≤ 20
Middle	2442	0		16.77	≤ 20
		+25		16.74	≤ 20
		+40		16.69	≤ 20
High	2472	0		16.96	≤ 20
		+25		16.92	≤ 20
		+40		16.88	≤ 20

Chain 1

802.11b Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	17.72	≤ 20
		+25		17.67	≤ 20
		+40		17.64	≤ 20
Middle	2442	0		17.83	≤ 20
		+25		17.78	≤ 20
		+40		17.74	≤ 20
High	2472	0		16.93	≤ 20
		+25		16.87	≤ 20
		+40		16.85	≤ 20

802.11g Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	16.53	≤ 20
		+25		16.48	≤ 20
		+40		16.45	≤ 20
Middle	2442	0		16.62	≤ 20
		+25		16.56	≤ 20
		+40		16.51	≤ 20
High	2472	0		16.95	≤ 20
		+25		16.91	≤ 20
		+40		16.87	≤ 20

MIMO
Chain 0 + Chain 1

802.11n-HT20 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	18.41	≤ 20
		+25		18.30	≤ 20
		+40		18.17	≤ 20
Middle	2442	0		18.23	≤ 20
		+25		18.18	≤ 20
		+40		18.13	≤ 20
High	2472	0		18.31	≤ 20
		+25		18.25	≤ 20
		+40		18.19	≤ 20

802.11n-HT40 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	17.62	≤ 20
		+25		17.55	≤ 20
		+40		17.49	≤ 20
Middle	2442	0		17.68	≤ 20
		+25		17.52	≤ 20
		+40		17.44	≤ 20
High	2472	0		18.61	≤ 20
		+25		18.53	≤ 20
		+40		18.46	≤ 20

802.11ax-HE20 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	17.83	≤ 20
		+25		17.77	≤ 20
		+40		17.65	≤ 20
Middle	2442	0		17.34	≤ 20
		+25		17.22	≤ 20
		+40		17.17	≤ 20
High	2472	0		18.25	≤ 20
		+25		18.13	≤ 20
		+40		18.04	≤ 20

802.11ax-HE40 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2422	0	12	17.63	≤ 20
		+25		17.51	≤ 20
		+40		17.47	≤ 20
Middle	2442	0		17.62	≤ 20
		+25		17.53	≤ 20
		+40		17.49	≤ 20
High	2462	0		18.22	≤ 20
		+25		18.16	≤ 20
		+40		18.10	≤ 20

Beamforming
Chain 0 + Chain 1

802.11n-HT20 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	19.03	≤ 20
		+25		18.96	≤ 20
		+40		18.91	≤ 20
Middle	2442	0		19.15	≤ 20
		+25		19.09	≤ 20
		+40		19.06	≤ 20
High	2472	0		19.20	≤ 20
		+25		19.14	≤ 20
		+40		19.08	≤ 20

802.11n-HT40 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	18.28	≤ 20
		+25		18.25	≤ 20
		+40		18.21	≤ 20
Middle	2442	0		18.46	≤ 20
		+25		18.41	≤ 20
		+40		18.37	≤ 20
High	2472	0		19.33	≤ 20
		+25		19.28	≤ 20
		+40		19.24	≤ 20

802.11ax-HE20 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2412	0	12	18.53	≤ 20
		+25		18.45	≤ 20
		+40		18.41	≤ 20
Middle	2442	0		18.65	≤ 20
		+25		18.60	≤ 20
		+40		18.57	≤ 20
High	2472	0		19.35	≤ 20
		+25		19.31	≤ 20
		+40		19.27	≤ 20

802.11ax-HE40 Mode

Test Condition				EIRP (dBm)	Limits (dBm)
Channel	Frequency (MHz)	Temperature (°C)	Voltage (V _{DC})		
Low	2422	0	12	18.34	≤ 20
		+25		18.25	≤ 20
		+40		18.21	≤ 20
Middle	2442	0		18.72	≤ 20
		+25		18.65	≤ 20
		+40		18.61	≤ 20
High	2462	0		19.23	≤ 20
		+25		19.16	≤ 20
		+40		19.11	≤ 20

Note:

1. The extreme operating temperature range was declared by the manufacturer.
2. Antenna gain is 4.83 dBi, Beamforming Gain is 3.0 dB.

POWER SPECTRAL DENSITY**Environmental Conditions & Test Information**

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: SISO /MIMO/Beamforming
SISO

Channel	Frequency (MHz)	Power Spectral Density (PSD) e.i.r.p. (dBm/MHz)	Limit (dBm/MHz)
Chain 0			
802.11b Mode			
Low	2412	9.31	≤ 10
Middle	2442	9.51	≤ 10
High	2472	9.58	≤ 10
802.11g Mode			
Low	2412	5.05	≤ 10
Middle	2442	5.08	≤ 10
High	2472	5.10	≤ 10
Chain 1			
802.11b Mode			
Low	2412	9.17	≤ 10
Middle	2442	9.30	≤ 10
High	2472	8.42	≤ 10
802.11g Mode			
Low	2412	4.73	≤ 10
Middle	2442	4.78	≤ 10
High	2472	5.13	≤ 10

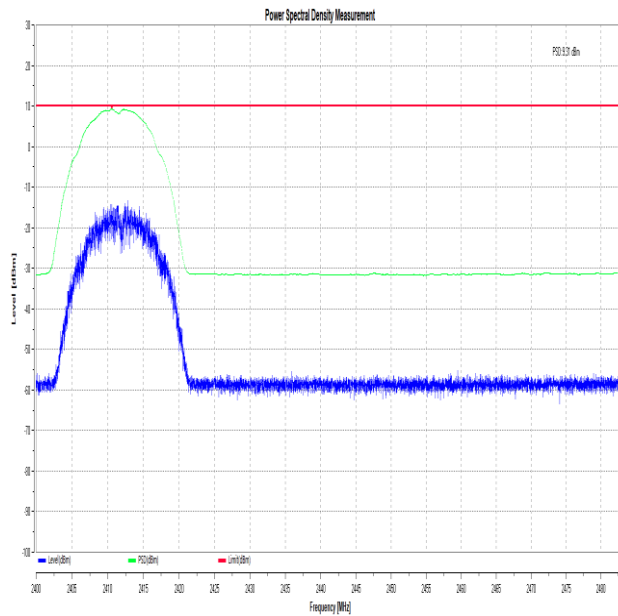
Beamforming

Channel	Frequency (MHz)	Power Spectral Density (PSD) e.i.r.p. (dBm/MHz)	Limit (dBm/MHz)
Chain 0 + Chain 1			
802.11n-HT20 Mode			
Low	2412	6.90	≤ 10
Middle	2442	6.88	≤ 10
High	2472	7.05	≤ 10
802.11n-HT40 Mode			
Low	2412	3.31	≤ 10
Middle	2442	3.25	≤ 10
High	2472	4.09	≤ 10
802.11ax-HE20 Mode			
Low	2412	5.91	≤ 10
Middle	2442	6.10	≤ 10
High	2472	6.86	≤ 10
802.11ax-HE40 Mode			
Low	2422	3.16	≤ 10
Middle	2442	3.44	≤ 10
High	2462	3.88	≤ 10

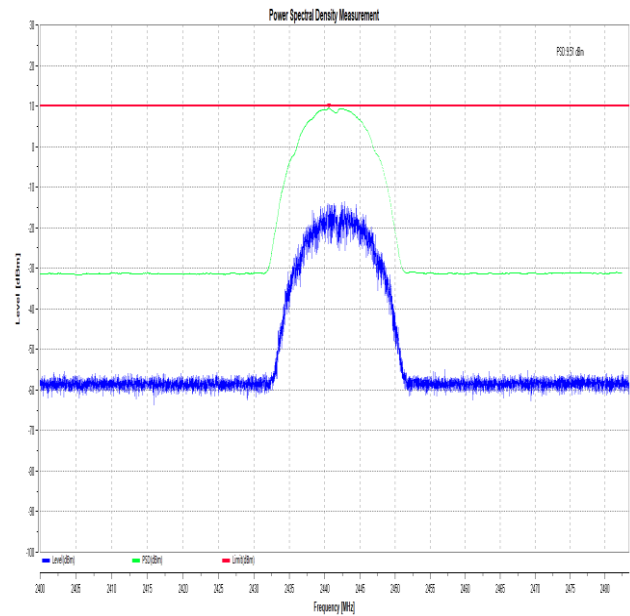
Note: Antenna gain is 4.83 dBi, Beamforming Gain is 3.0 dB.

SISO
Chain 0

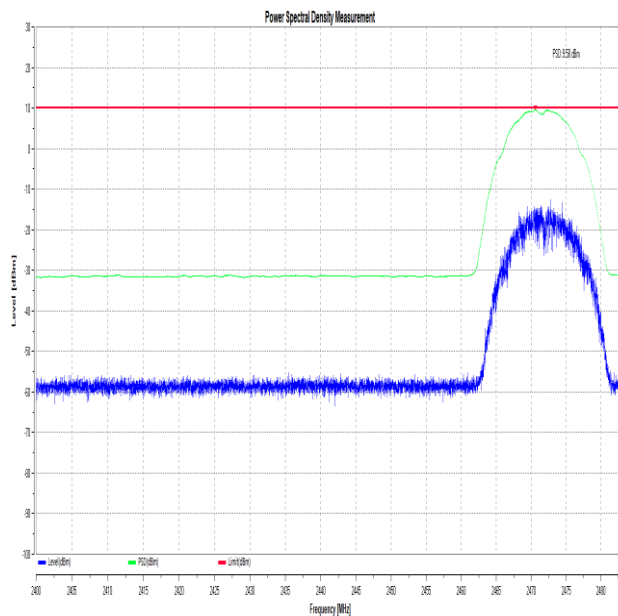
802.11b Mode Low Channel: 2412 MHz



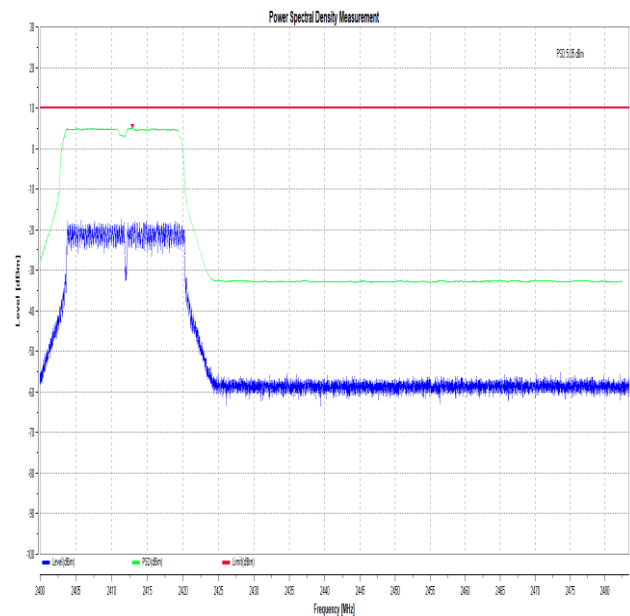
802.11b Mode Middle Channel: 2442MHz



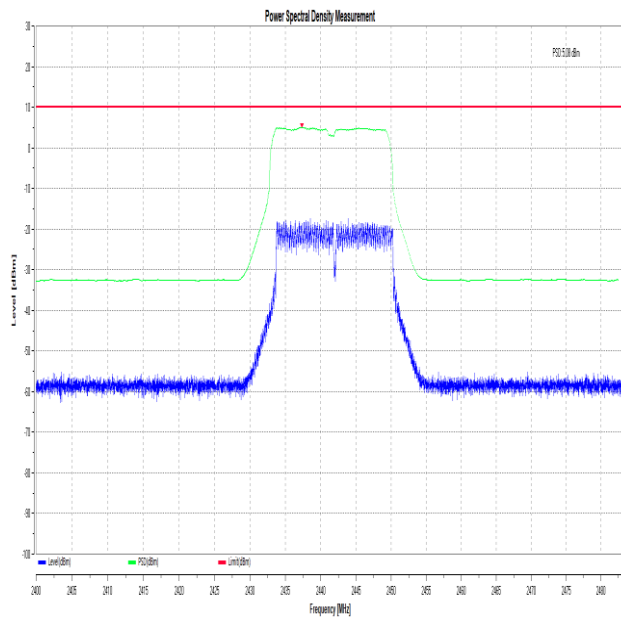
802.11b Mode High Channel: 2472 MHz



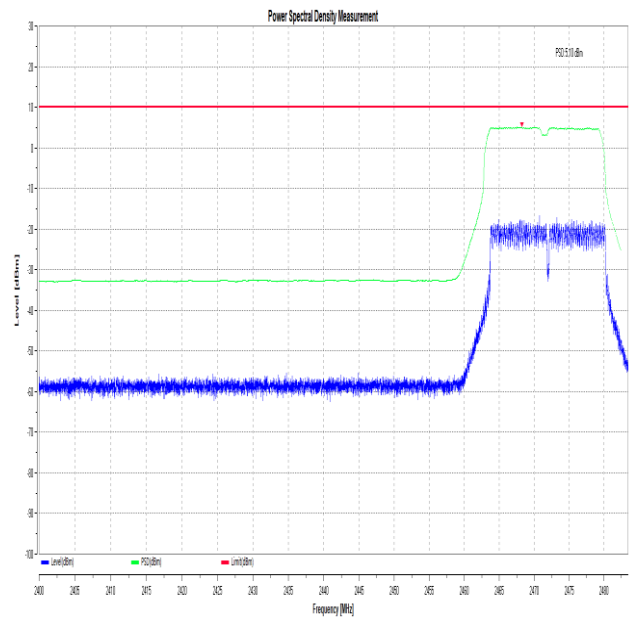
802.11g Mode Low Channel: 2412 MHz



802.11g Mode Middle Channel: 2442MHz

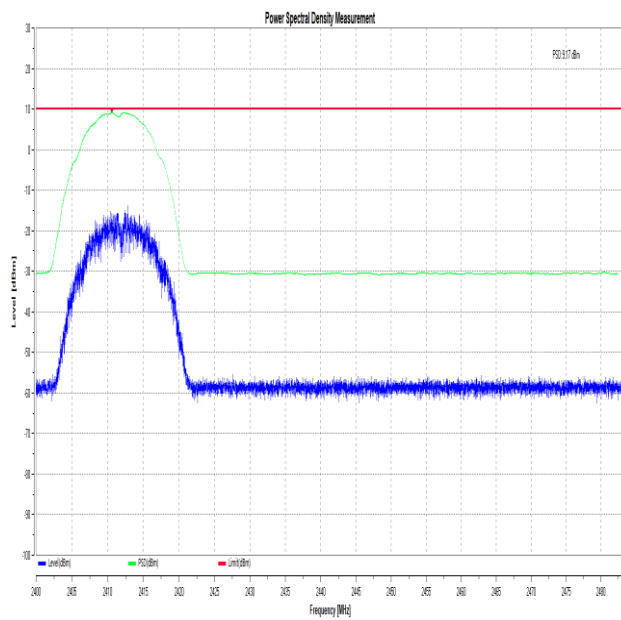


802.11g Mode High Channel: 2472 MHz

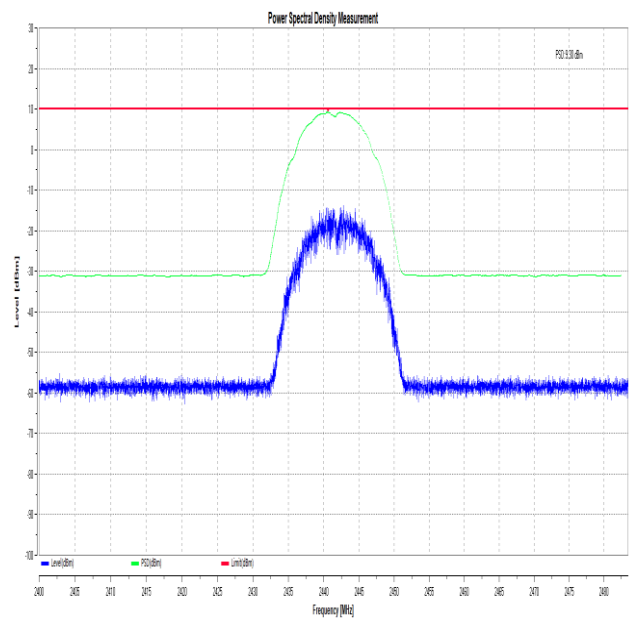


Chain 1

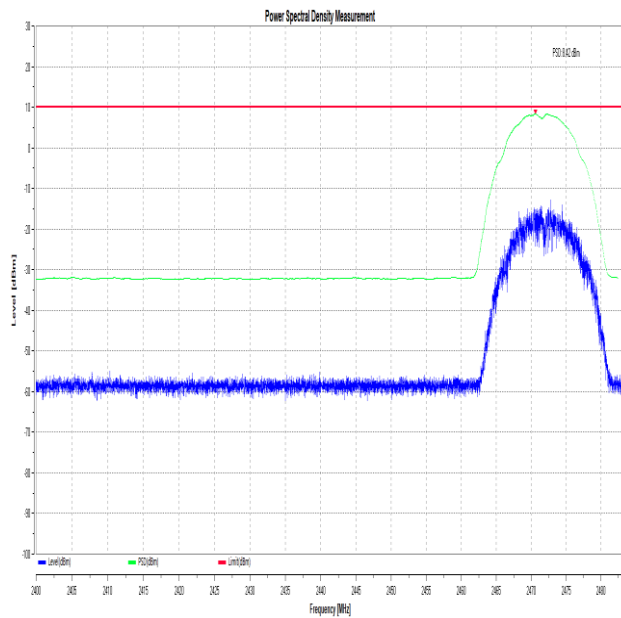
802.11b Mode Low Channel: 2412 MHz



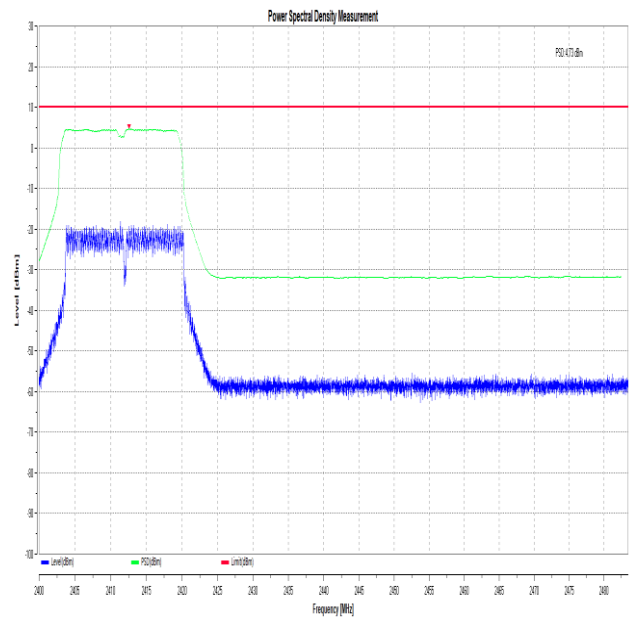
802.11b Mode Middle Channel: 2442MHz



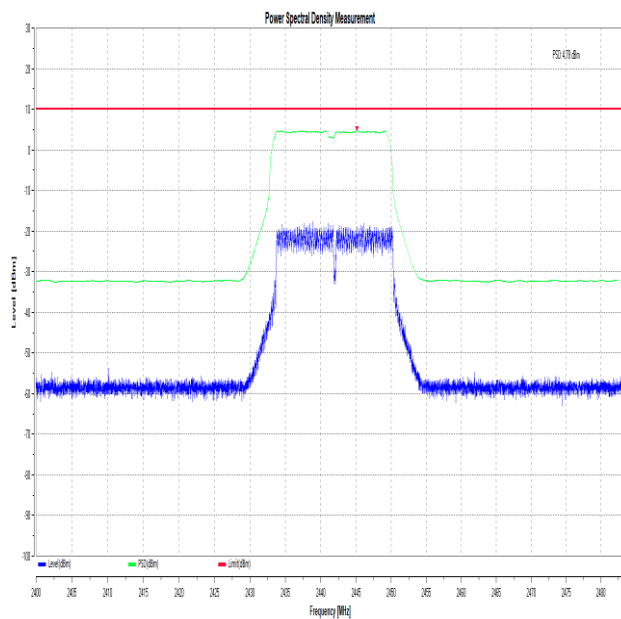
802.11b Mode High Channel: 2472 MHz



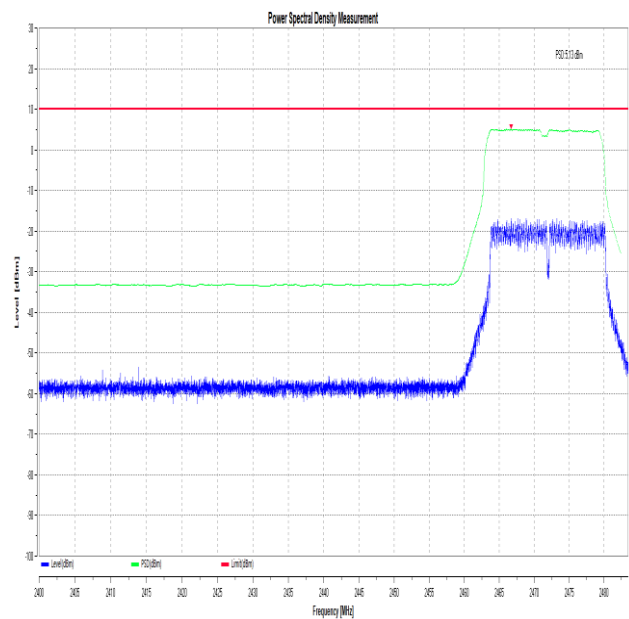
802.11g Mode Low Channel: 2412 MHz

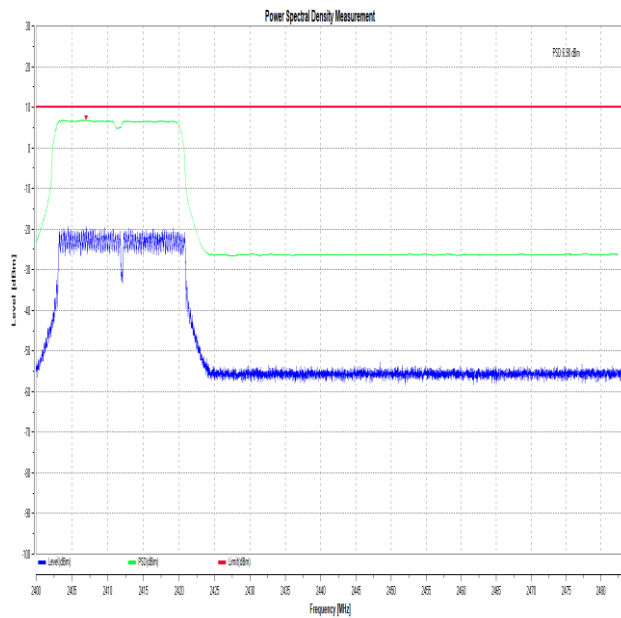
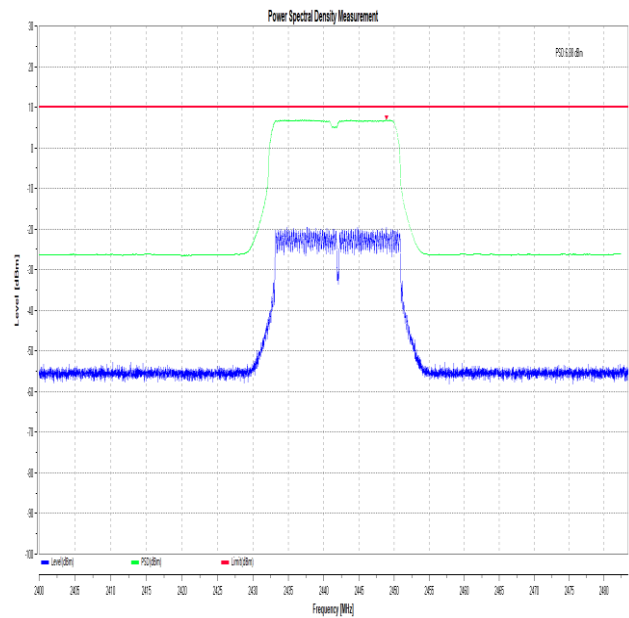
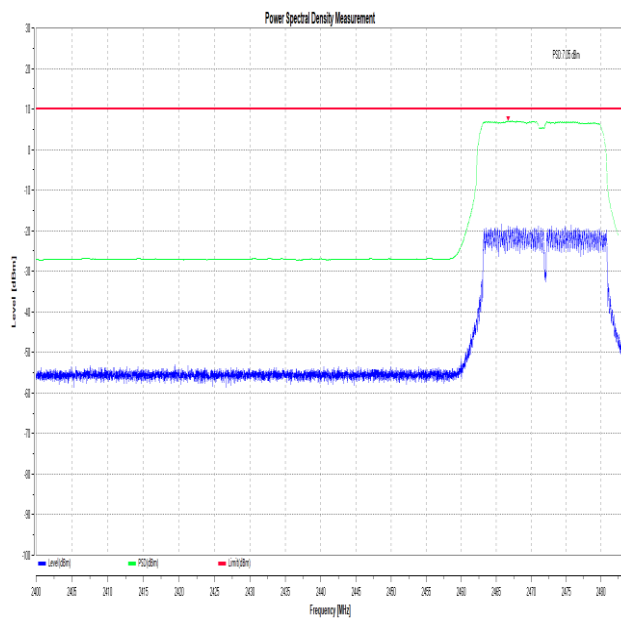
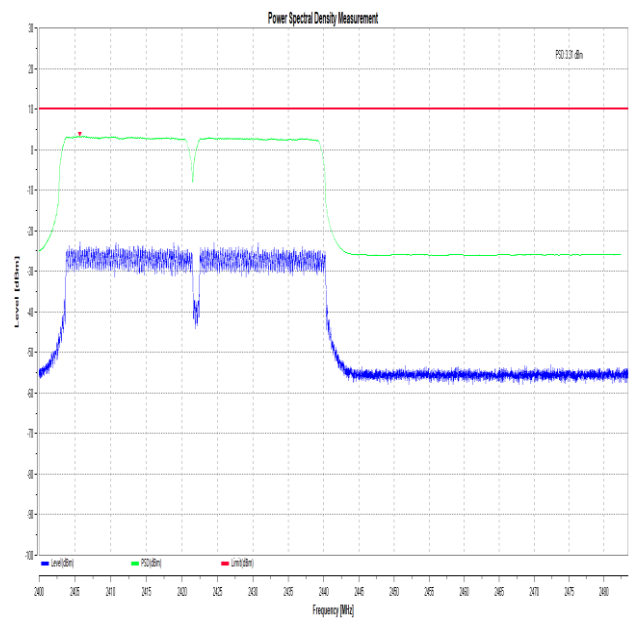


802.11g Mode Middle Channel: 2442MHz

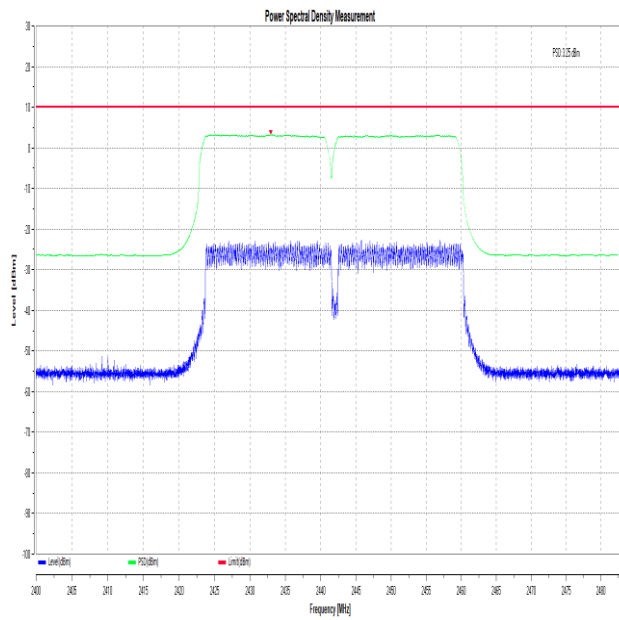


802.11g Mode High Channel: 2472 MHz

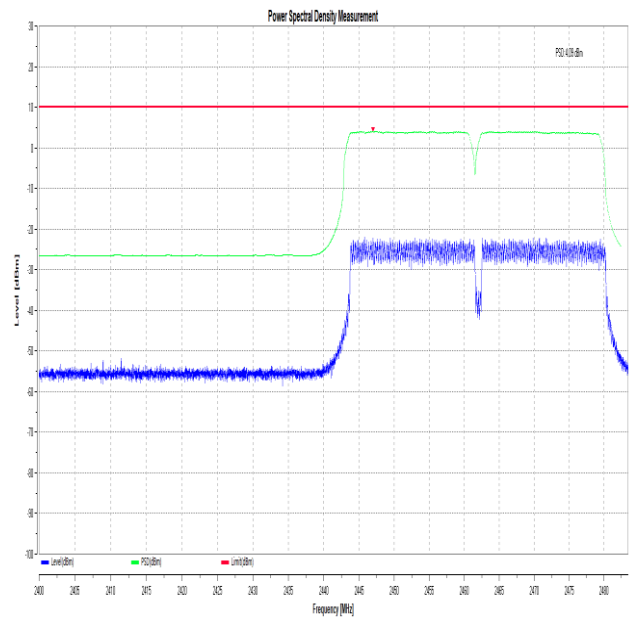


Beamforming
Chain 0 + Chain 1**802.11n-HT20 Mode Low Channel: 2412 MHz****802.11n-HT20 Mode Middle Channel: 2442MHz****802.11n-HT20 Mode High Channel: 2472 MHz****802.11n-HT40 Mode Low Channel: 2422 MHz**

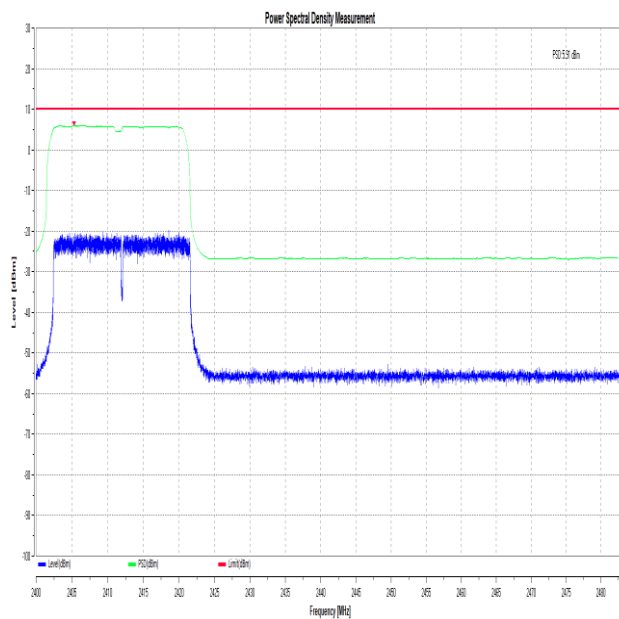
802.11n-HT40 Mode Middle Channel: 2442 MHz



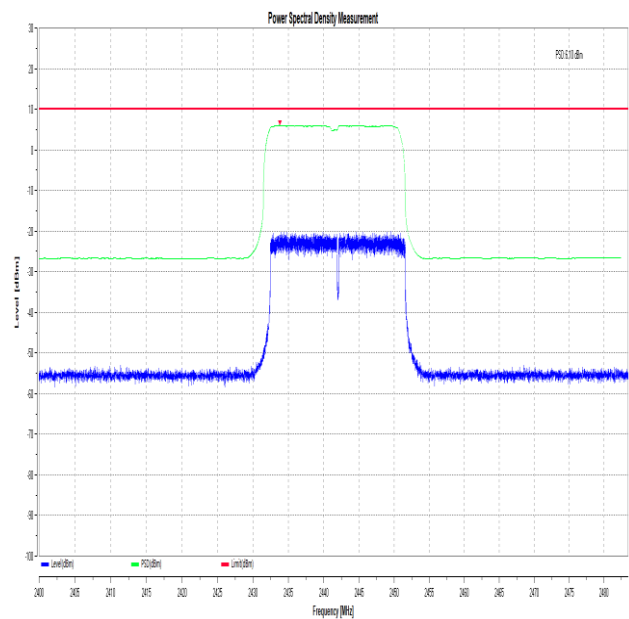
802.11n-HT40 Mode High Channel: 2462 MHz



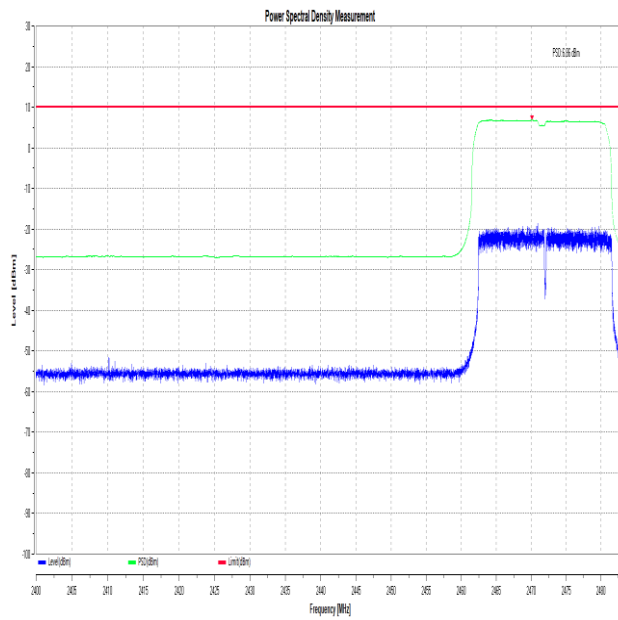
802.11ax-HE20 Mode Low Channel: 2412 MHz



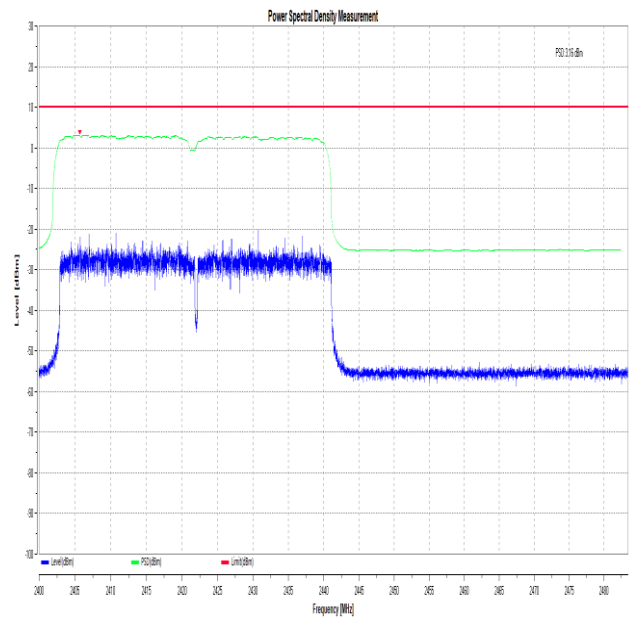
802.11ax-HE20 Mode Middle Channel: 2442 MHz



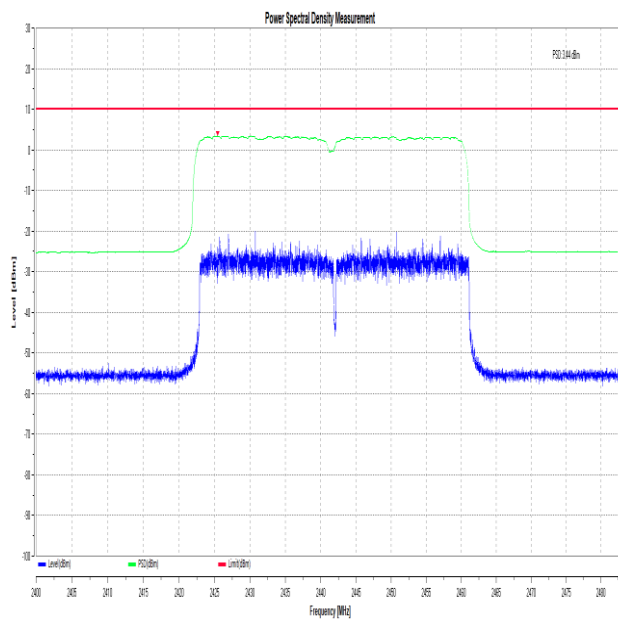
802.11ax-HE20 Mode High Channel: 2472 MHz



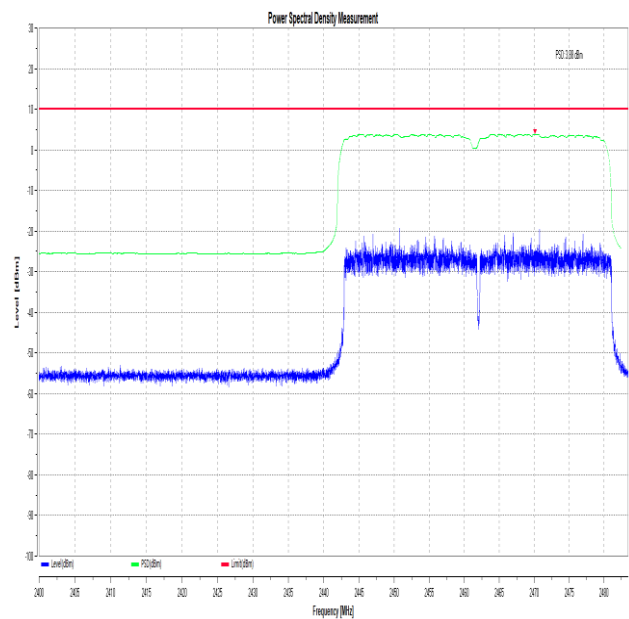
802.11ax-HE40 Mode Low Channel: 2422 MHz



802.11ax-HE40 Mode Middle Channel: 2442 MHz



802.11ax-HE40 Mode High Channel: 2462 MHz



OCCUPIED CHANNEL BANDWIDTH**Environmental Conditions & Test Information**

Test Date:	2026-01-27
Temperature:	20 °C
Relative Humidity:	51 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: SISO /MIMO/Beamforming

Test Result: Compliant

Chain 0

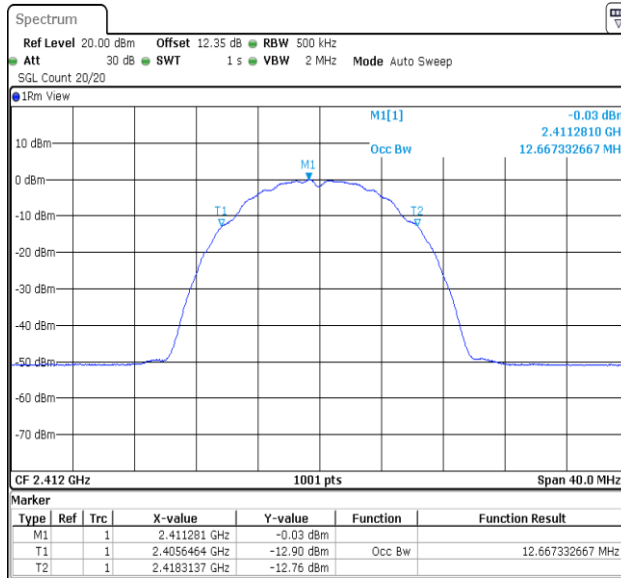
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
802.11b Mode		
Low	2412	12.667
High	2472	12.667
802.11g Mode		
Low	2412	16.743
High	2472	16.703
802.11n-HT20 Mode		
Low	2412	17.902
High	2472	17.902
802.11n-HT40 Mode		
Low	2422	36.603
High	2462	36.603
802.11ax-HE20 Mode		
Low	2412	19.101
High	2472	19.101
802.11ax-HE40 Mode		
Low	2422	37.962
High	2462	38.042

Chain 1

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
802.11b Mode		
Low	2412	12.667
High	2472	12.667
802.11g Mode		
Low	2412	16.703
High	2472	16.703
802.11n-HT20 Mode		
Low	2412	17.902
High	2472	17.902
802.11n-HT40 Mode		
Low	2422	36.603
High	2462	36.523
802.11ax-HE20 Mode		
Low	2412	19.061
High	2472	19.061
802.11ax-HE40 Mode		
Low	2422	38.042
High	2462	37.962

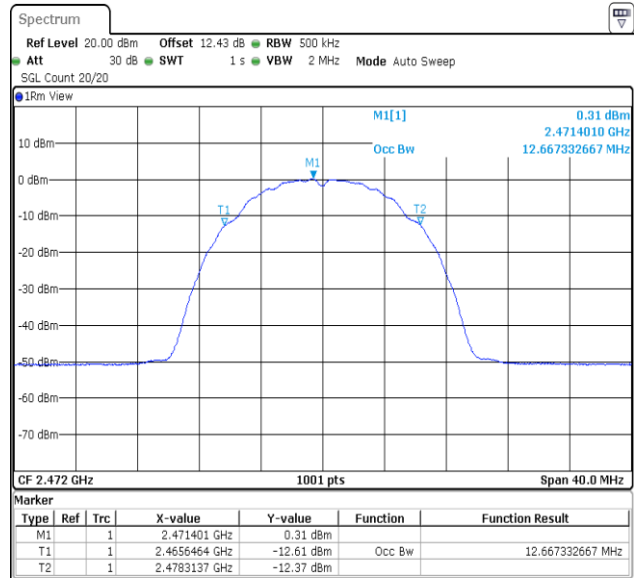
Chain 0

802.11b Mode: 2412 MHz



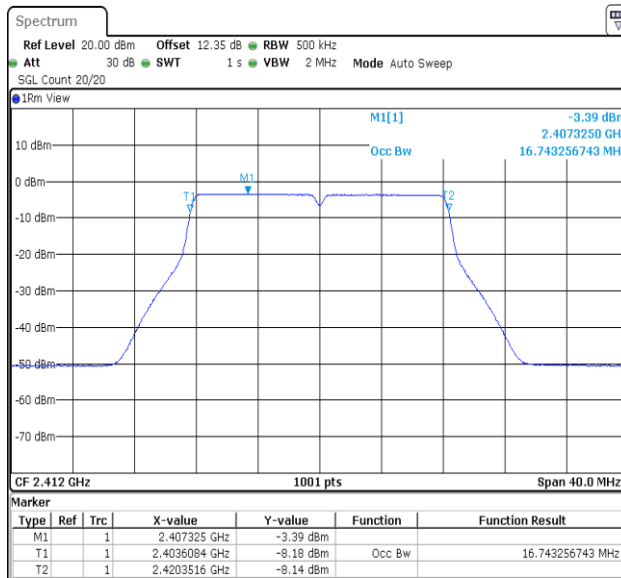
Date: 27 JAN 2026 10:03:38

802.11b Mode: 2472 MHz



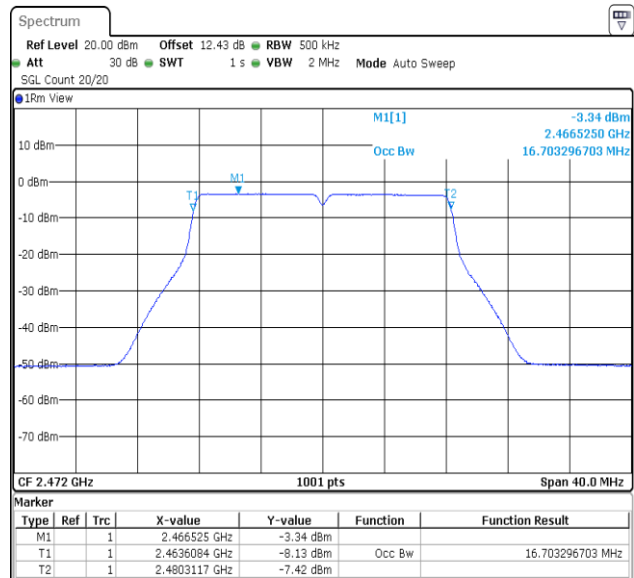
Date: 27 JAN 2026 10:10:45

802.11g Mode: 2412 MHz



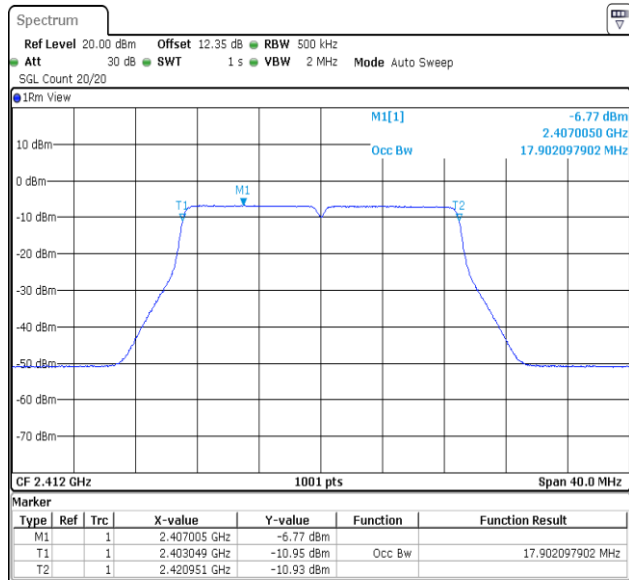
Date: 27 JAN 2026 10:17:11

802.11g Mode: 2472 MHz



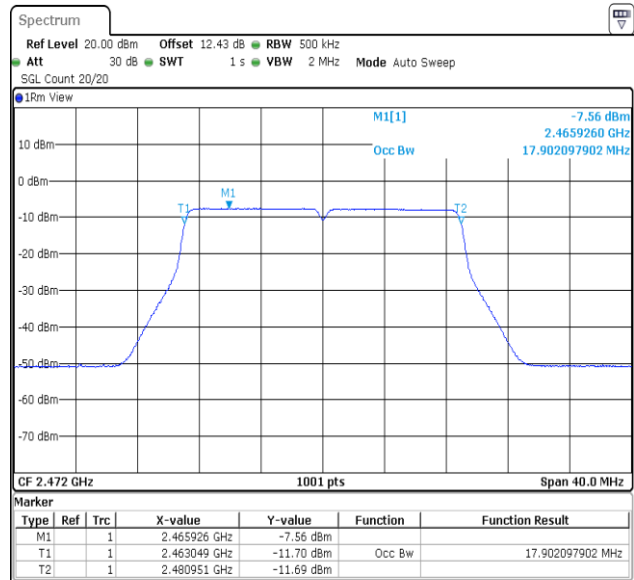
Date: 27 JAN 2026 10:29:46

802.11n-HT20 Mode: 2412 MHz



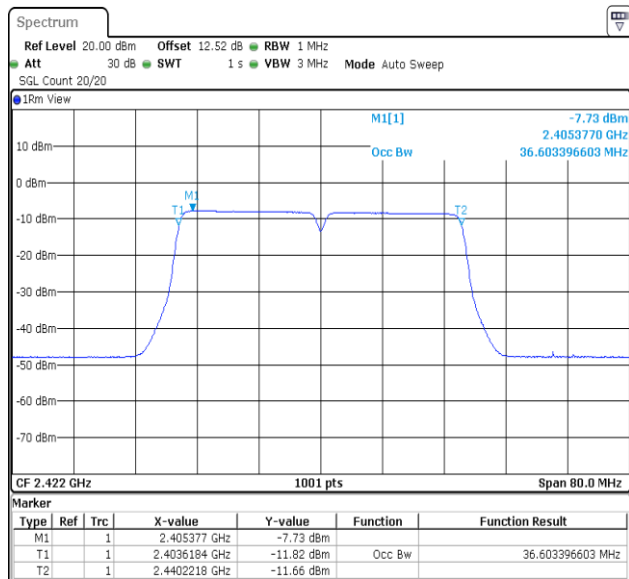
Date: 27 JAN 2026 11:27:50

802.11n-HT20 Mode: 2472 MHz



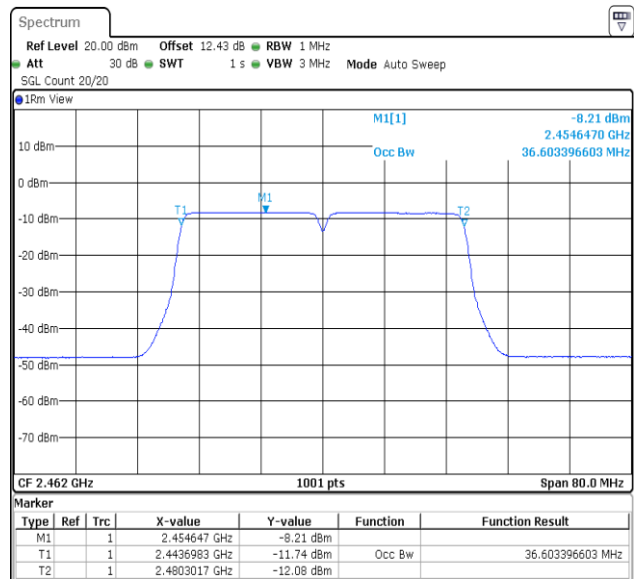
Date: 27 JAN 2026 11:58:15

802.11n-HT40 Mode: 2422 MHz



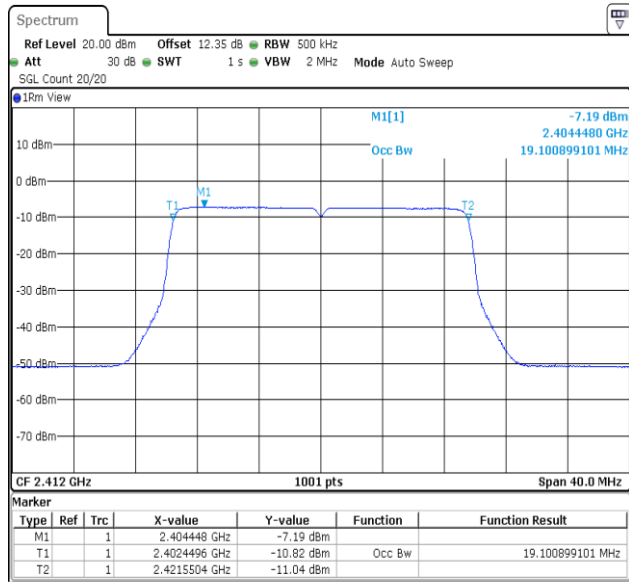
Date: 27 JAN 2026 13:22:27

802.11n-HT40 Mode: 2462 MHz



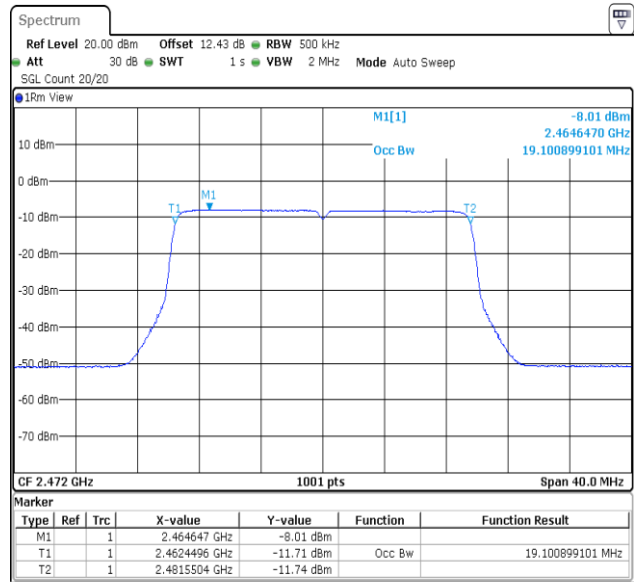
Date: 27 JAN 2026 13:53:37

802.11ax-HE20 Mode: 2412 MHz



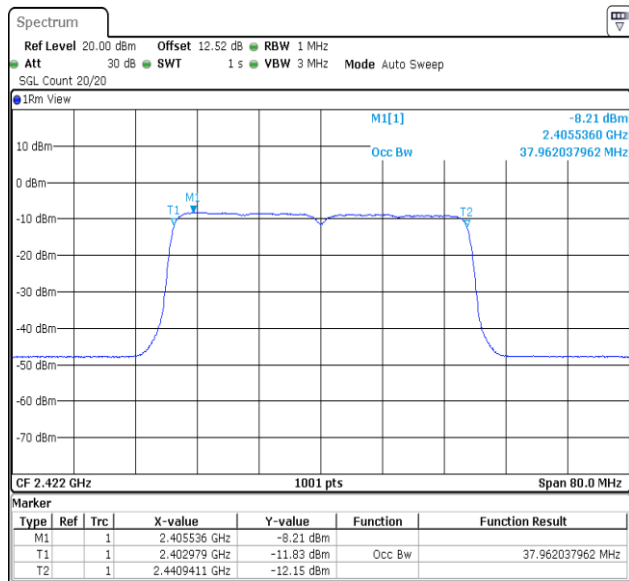
Date: 27 JAN 2026 14:16:30

802.11ax-HE20 Mode: 2472 MHz



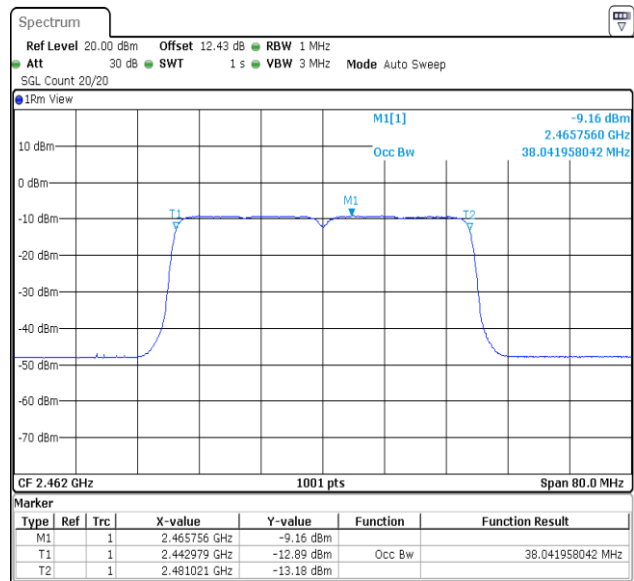
Date: 27 JAN 2026 14:31:47

802.11ax-HE40 Mode: 2422 MHz



Date: 27 JAN 2026 14:45:36

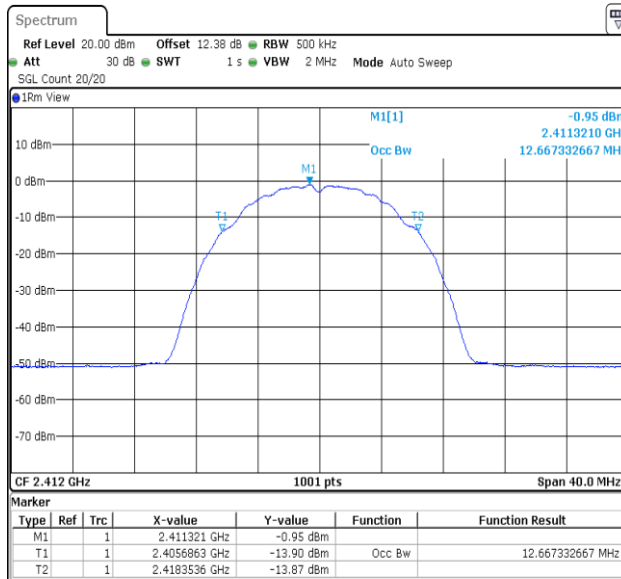
802.11ax-HE40 Mode: 2462 MHz



Date: 27 JAN 2026 15:12:23

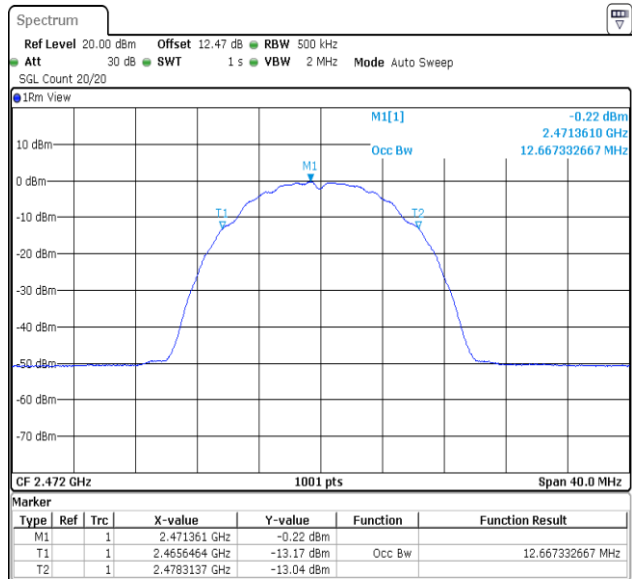
Chain 1

802.11b Mode: 2412 MHz



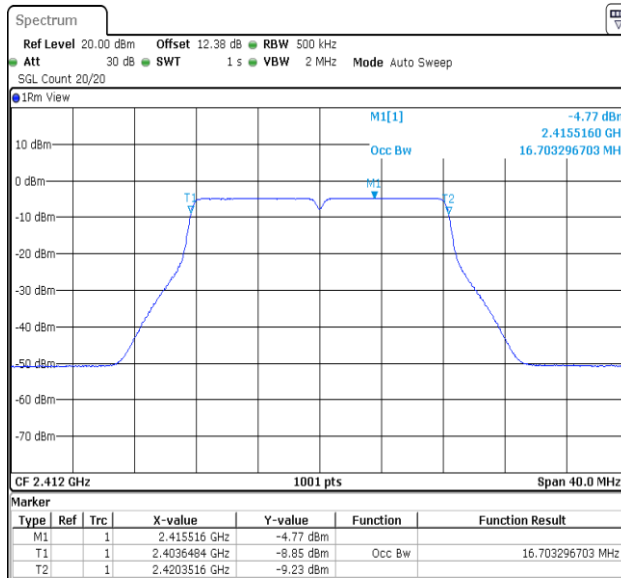
Date: 27 JAN 2026 10:41:31

802.11b Mode: 2472 MHz



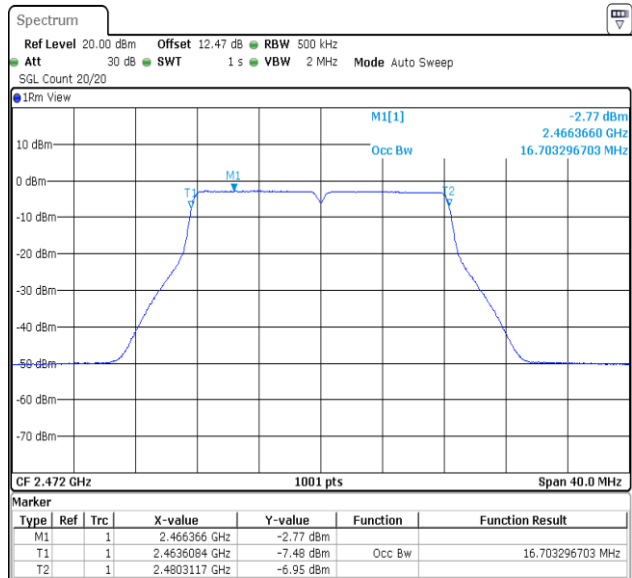
Date: 27 JAN 2026 10:50:26

802.11g Mode: 2412 MHz



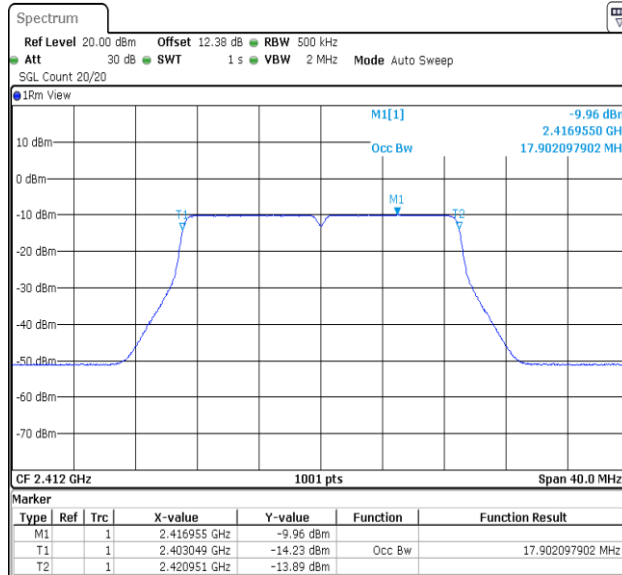
Date: 27 JAN 2026 10:56:24

802.11g Mode: 2472 MHz



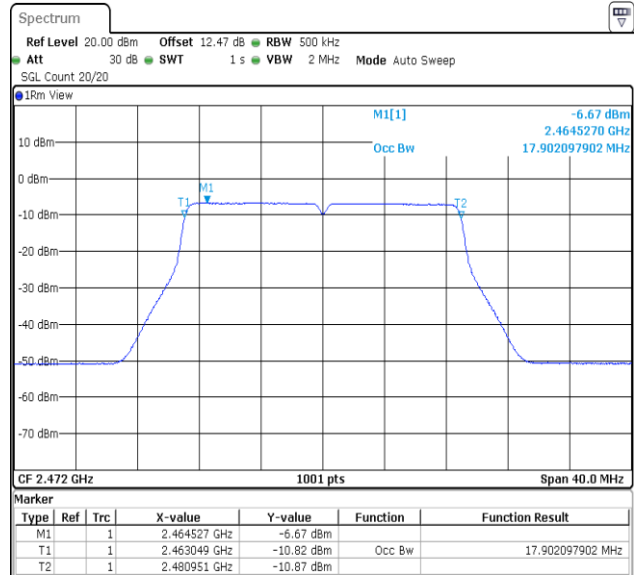
Date: 27 JAN 2026 11:06:30

802.11n-HT20 Mode: 2412 MHz



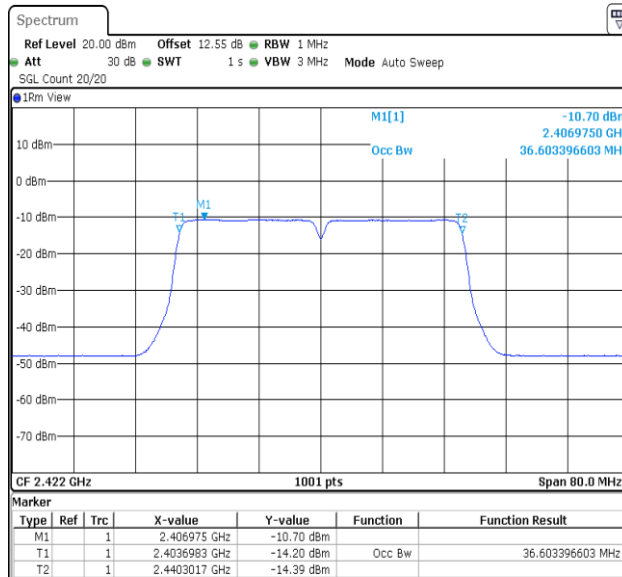
Date: 27 JAN 2026 11:32:49

802.11n-HT20 Mode: 2472 MHz



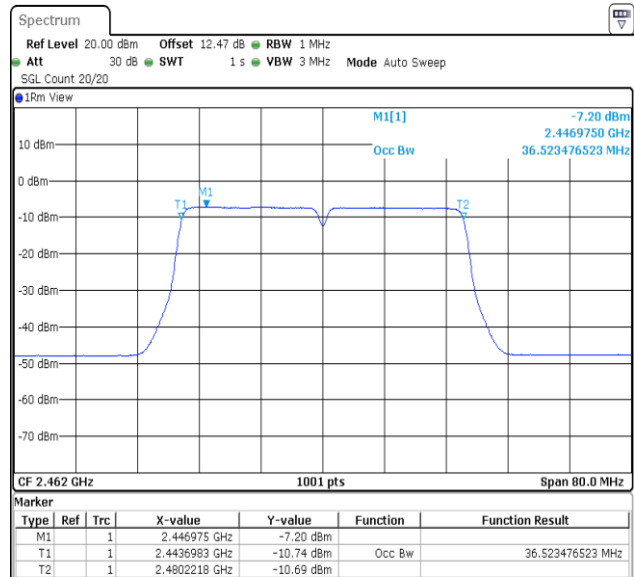
Date: 27 JAN 2026 12:04:14

802.11n-HT40 Mode: 2422 MHz



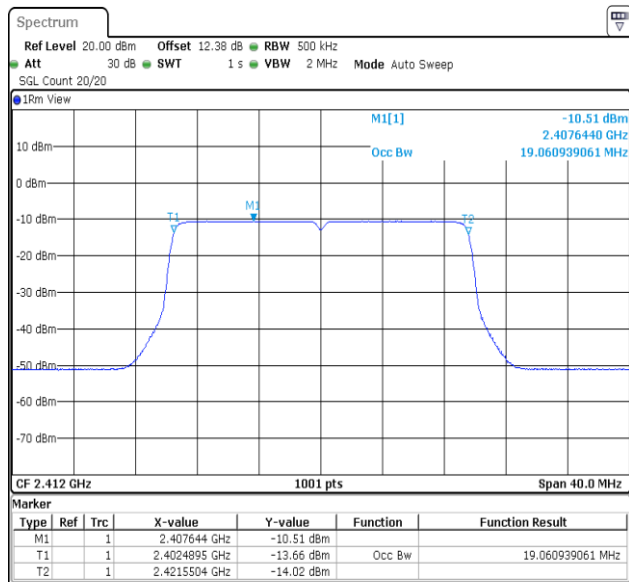
Date: 27 JAN 2026 13:31:43

802.11n-HT40 Mode: 2462 MHz



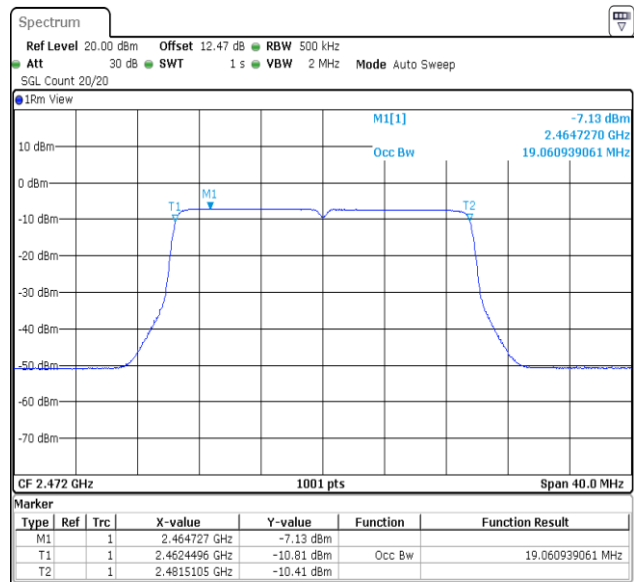
Date: 27 JAN 2026 14:02:52

802.11ax-HE20 Mode: 2412 MHz



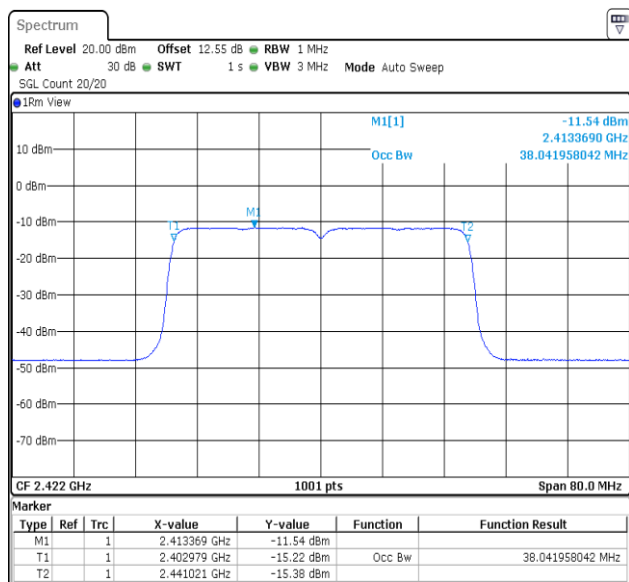
Date: 27 JAN 2026 14:21:42

802.11ax-HE20 Mode: 2472 MHz



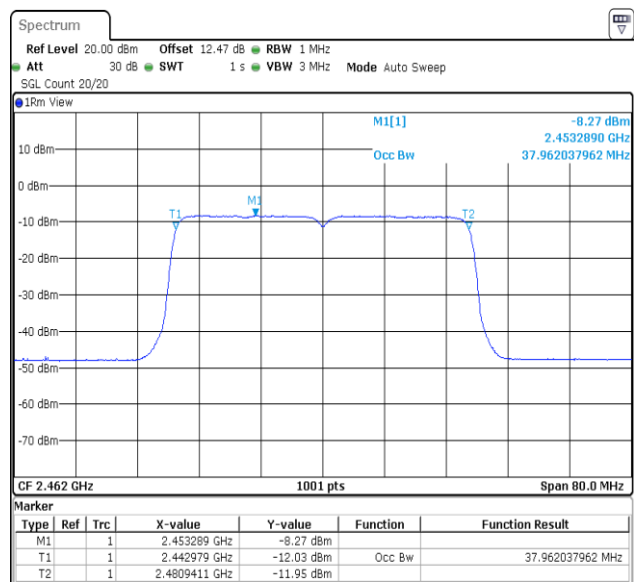
Date: 27 JAN 2026 14:37:00

802.11ax-HE40 Mode: 2422 MHz



Date: 27 JAN 2026 14:55:05

802.11ax-HE40 Mode: 2462 MHz



Date: 27 JAN 2026 15:21:53

Adaptivity**Environmental Conditions & Test Information**

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

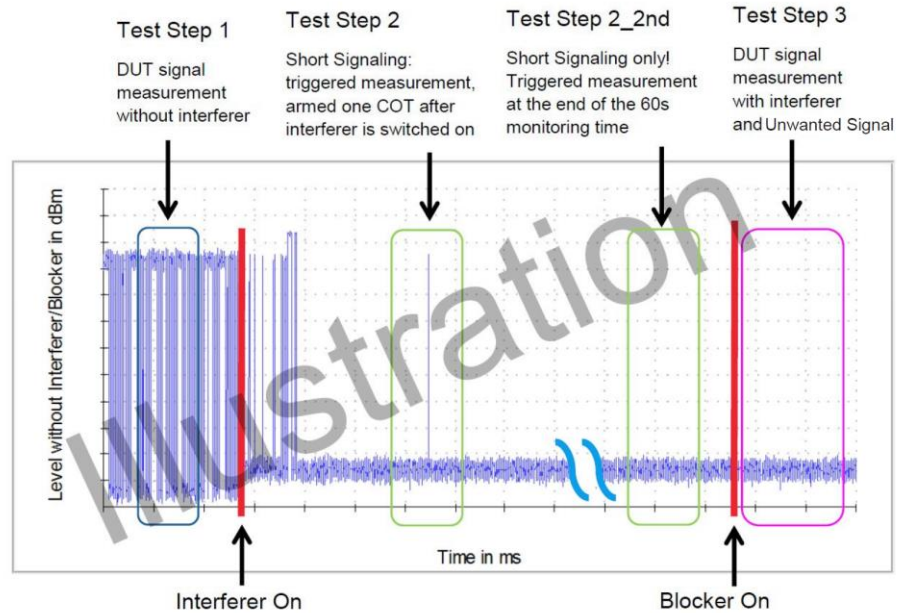
Test Mode: Transmitting in 802.11b mode.

Note: We tested 802.11b, 802.11g, 802.11n-HT20 and 802.11n-HT40 mode, only 802.11b data was recorded in report.

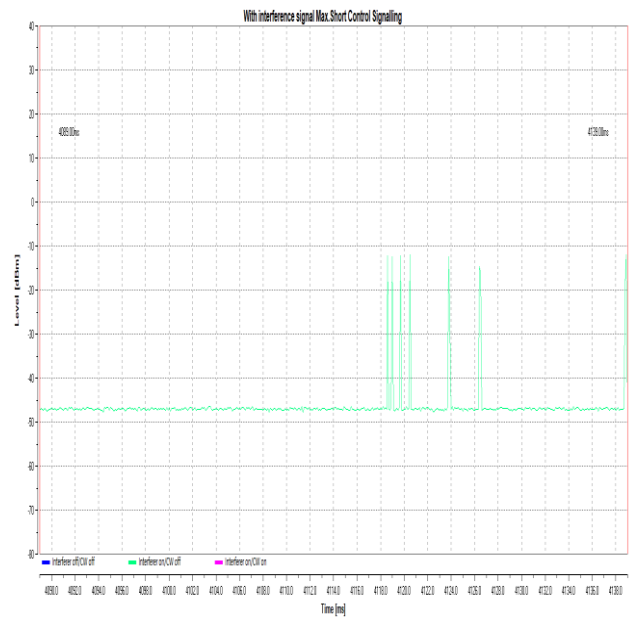
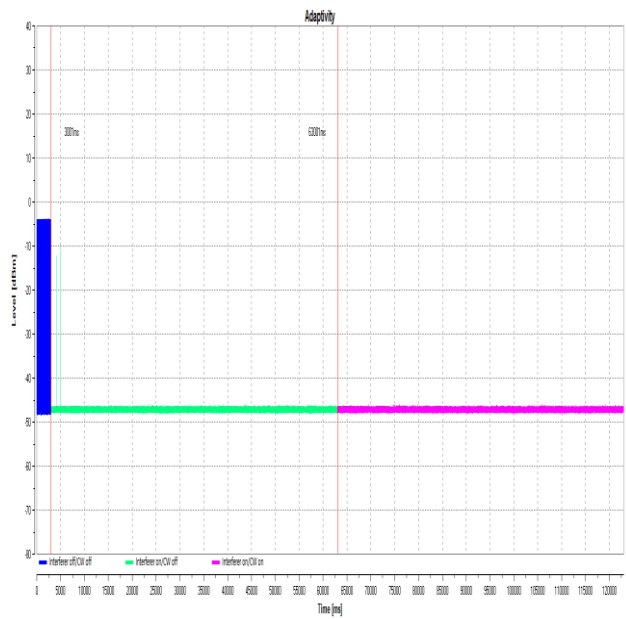
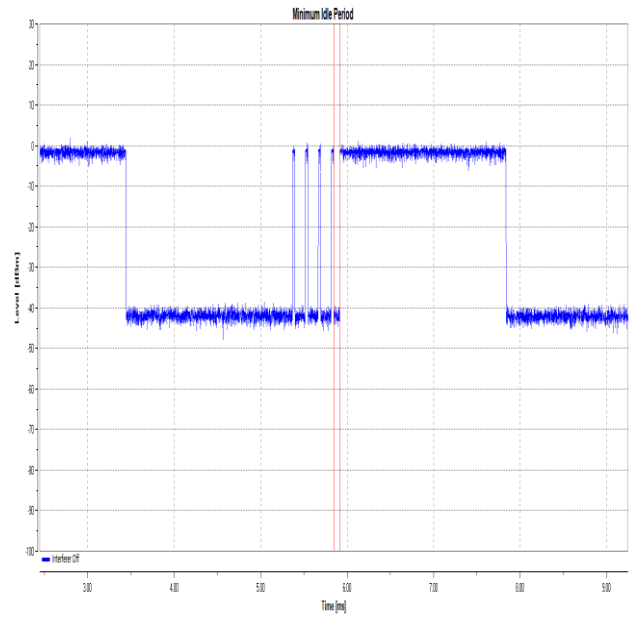
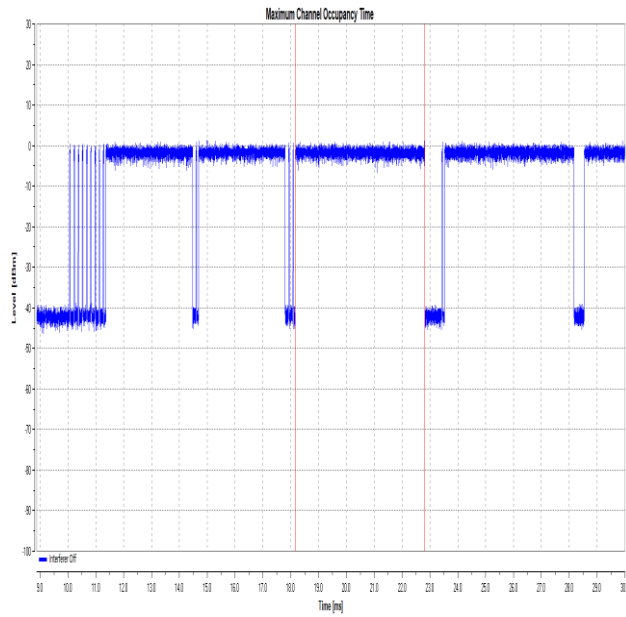
Test Mode	Frequency (MHz)	Max.COT (ms)	Limit (ms)	CCA Time (ms)	CCA Time Limit (ms)	Result
802.11b	2412	4.645	<13.000	0.068	> 0.018	PASS
	2472	3.057	<13.000	0.076	> 0.018	PASS

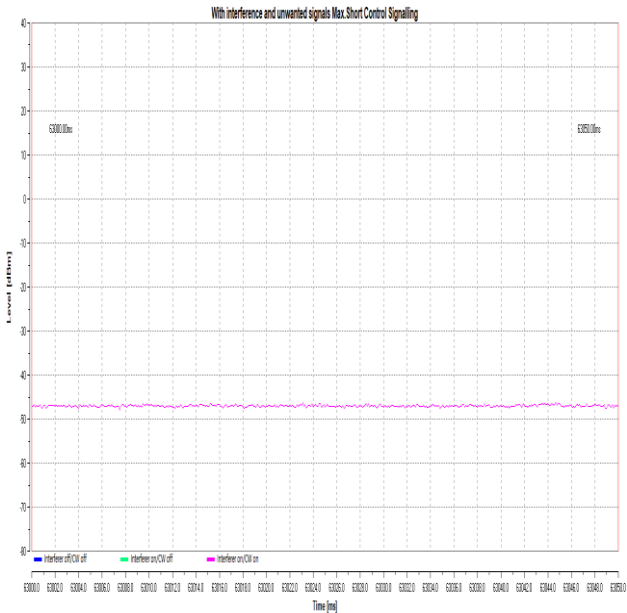
Test Mode	Frequency (MHz)	Add Signal Type	Add Signal Time (ms)	Max. Short Time (%)	Limit (%)	Result
802.11b	2412	AWGN	3001	1.8	<10.0	PASS
		CW	63001	0.0	<10.0	PASS
	2472	AWGN	3001	4.8	<10.0	PASS
		CW	63001	0.0	<10.0	PASS

Adaptively Test Schematic Graphic

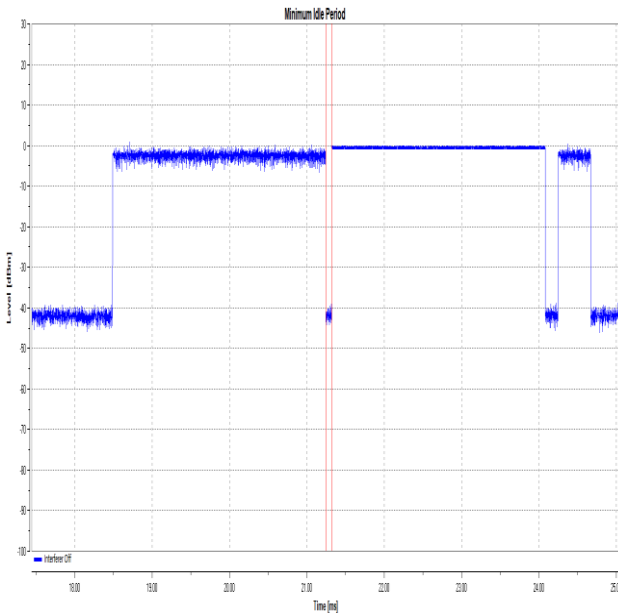
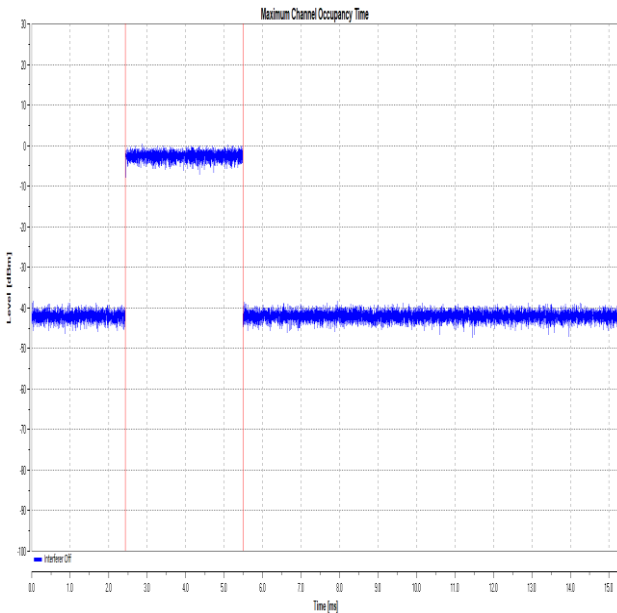


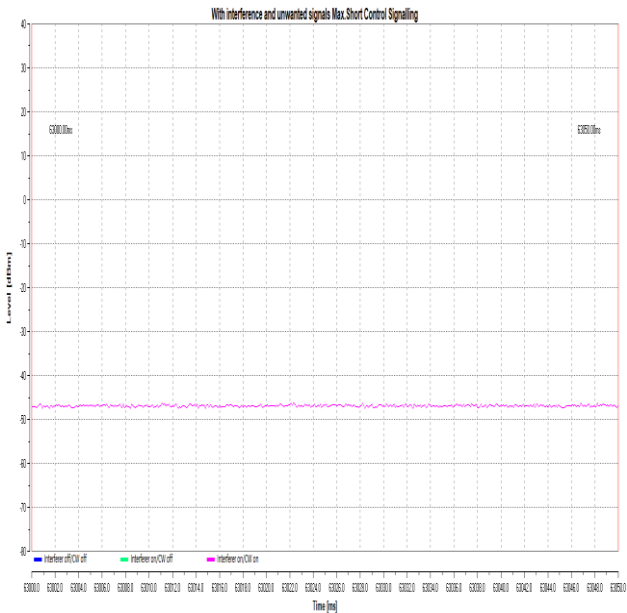
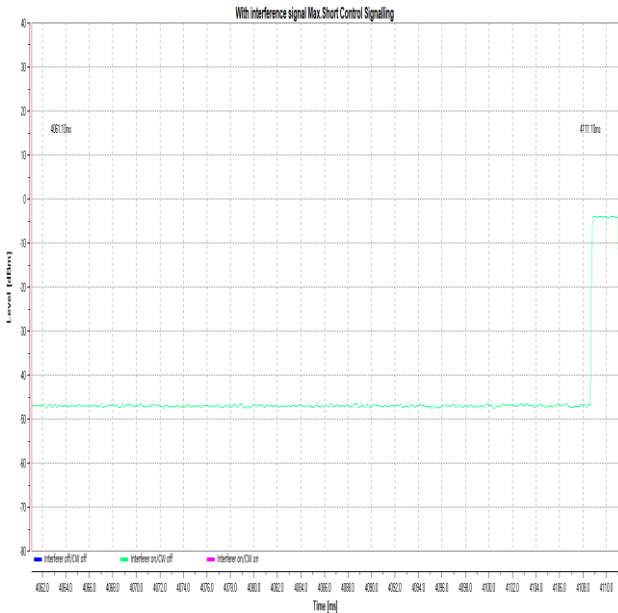
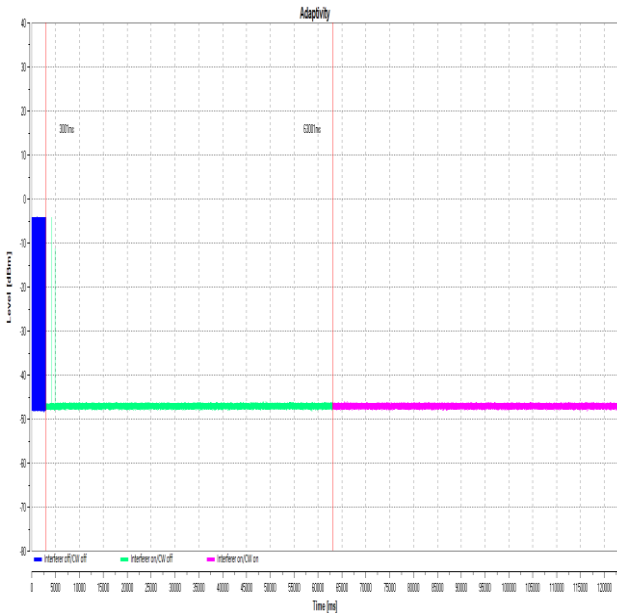
802.11b - Low Channel





802.11b - High Channel





TRANSMITTER UNWANTED EMISSION IN THE OUT-OF-BAND DOMAIN**Environmental Conditions & Test Information**

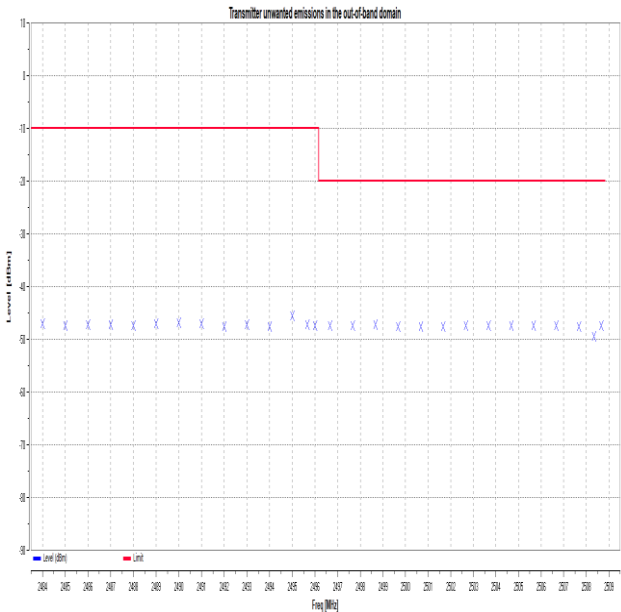
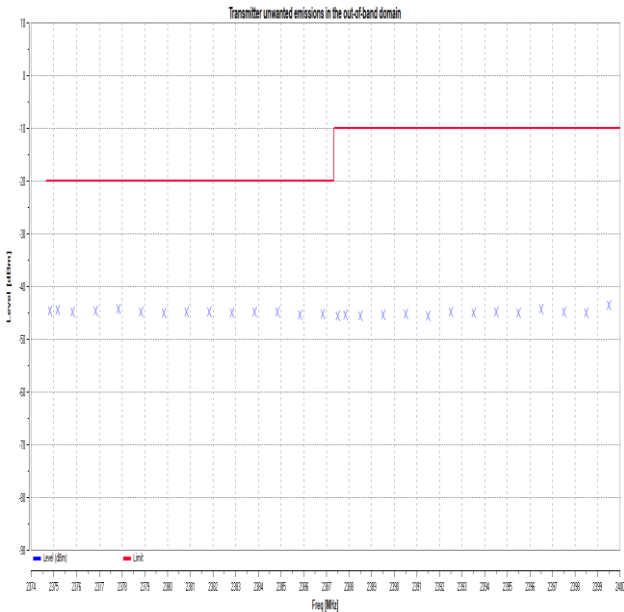
Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: SISO /MIMO/Beamforming

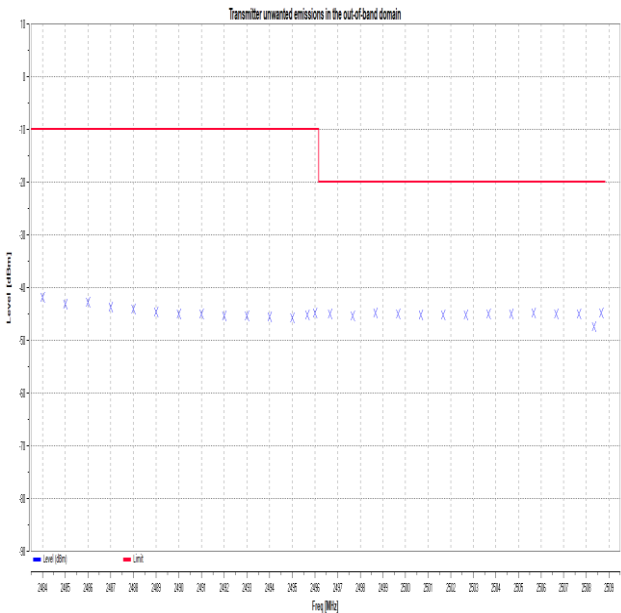
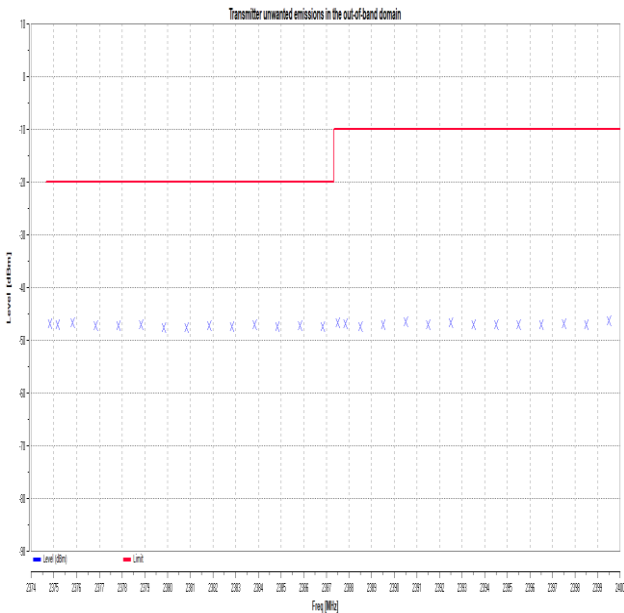
Test Result: Compliant

Chain 0

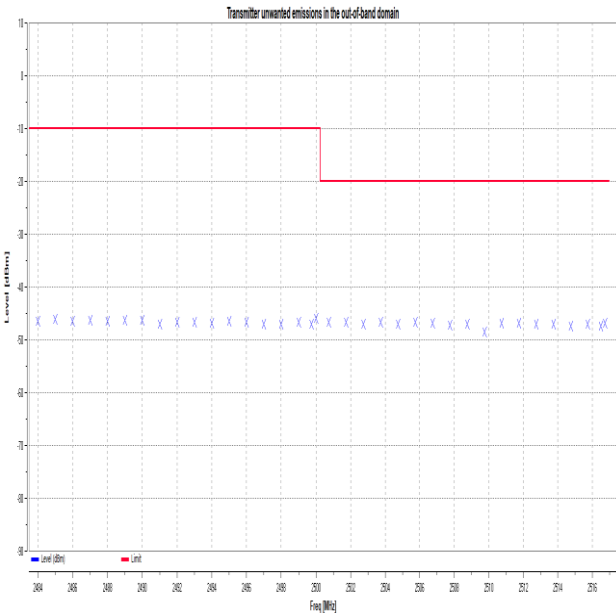
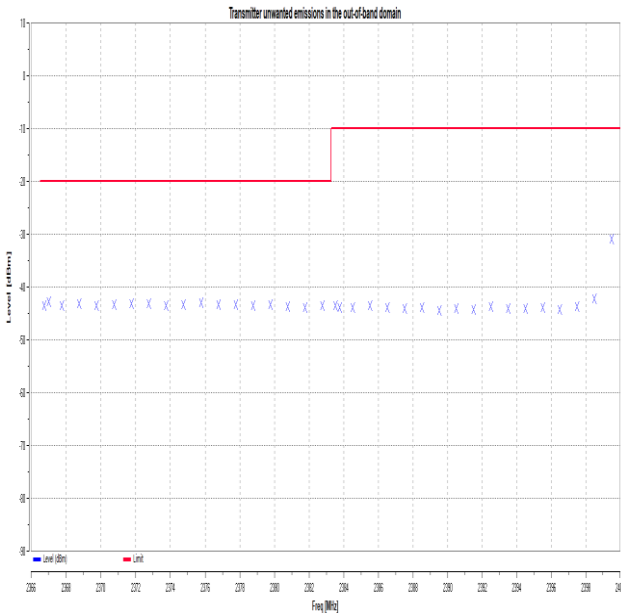
802.11b Mode: 2412 MHz



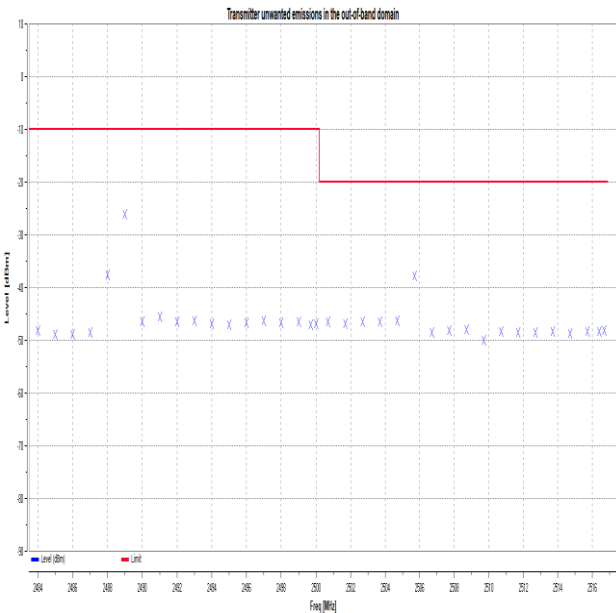
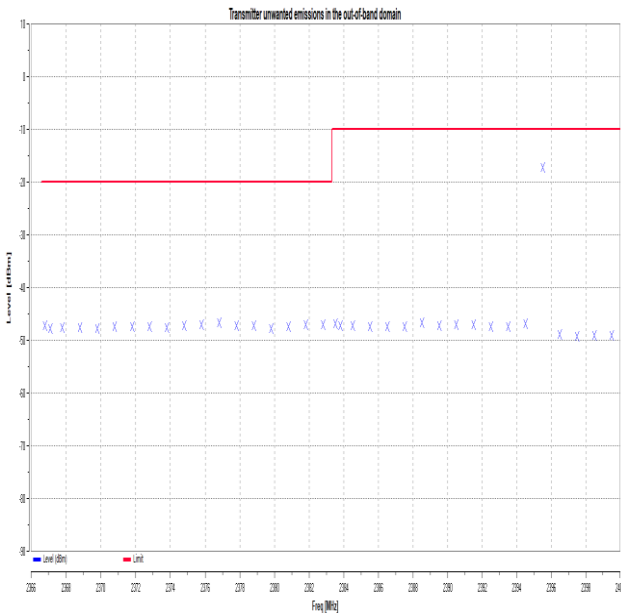
802.11b Mode: 2472 MHz



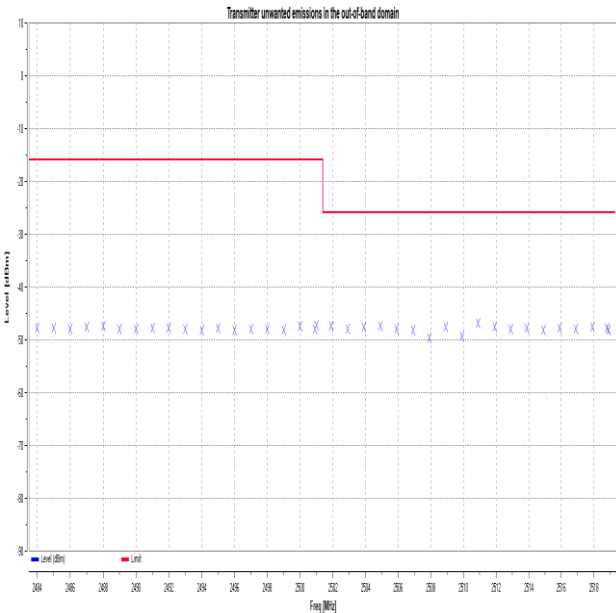
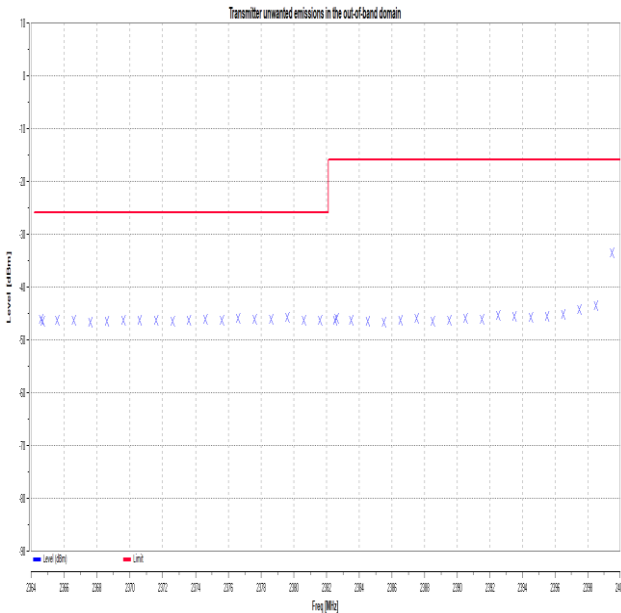
802.11g Mode: 2412 MHz



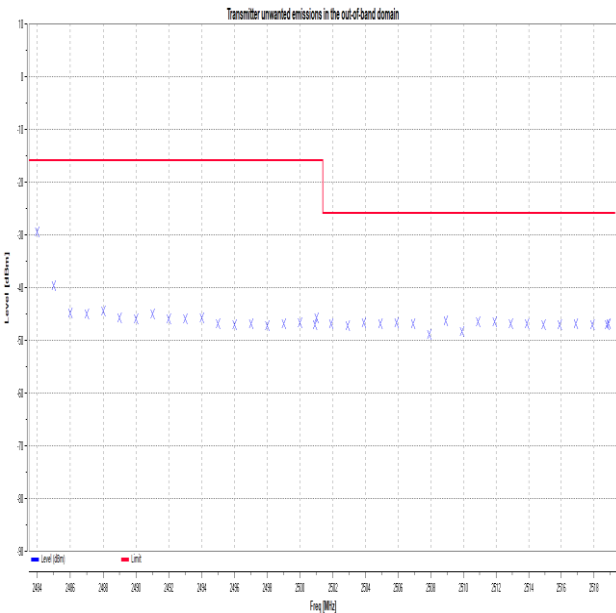
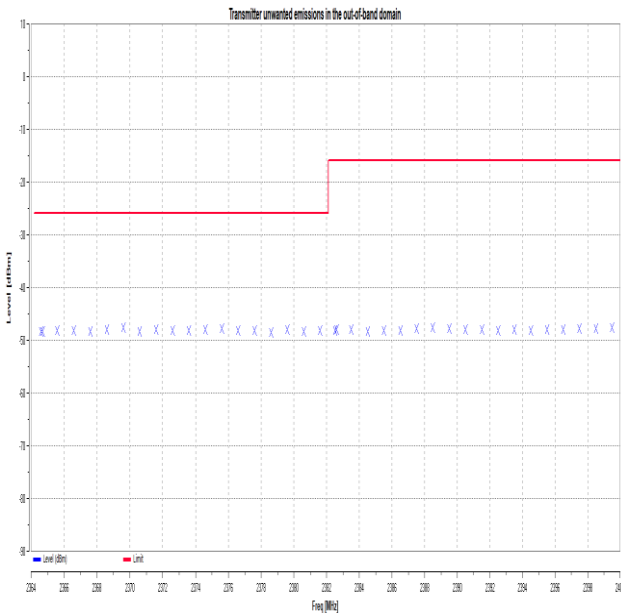
802.11g Mode: 2472 MHz



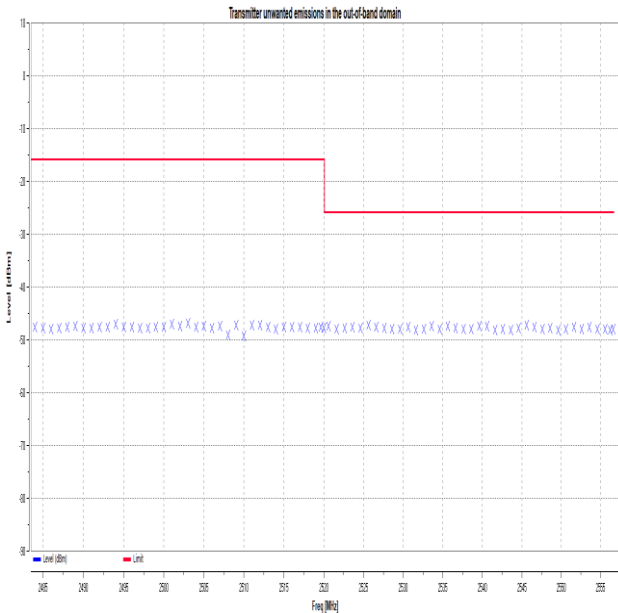
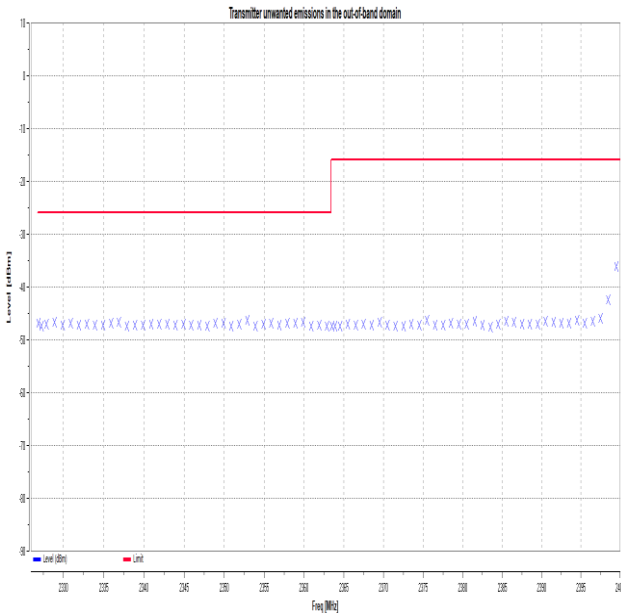
802.11n-HT20 Mode: 2412 MHz



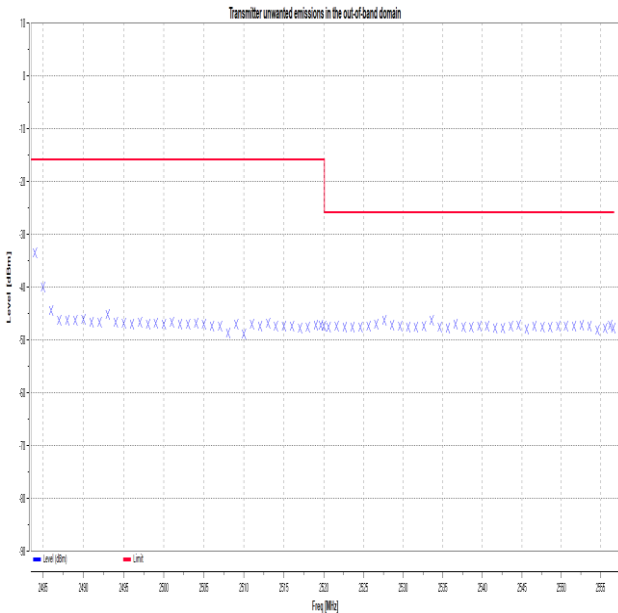
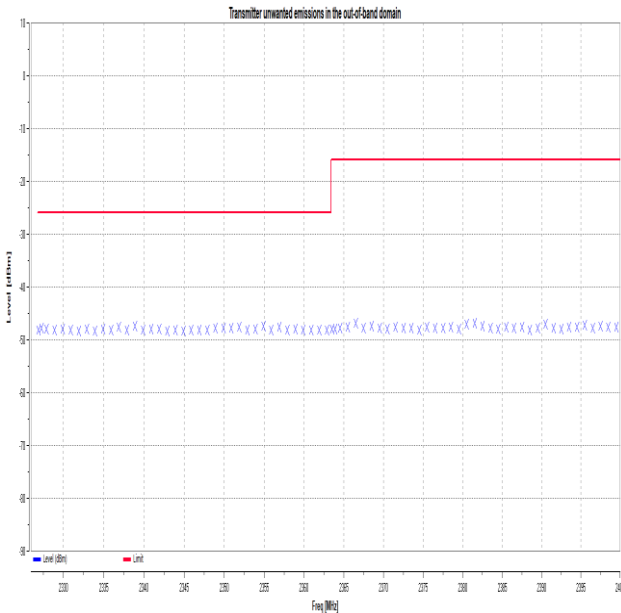
802.11n-HT20 Mode: 2472 MHz



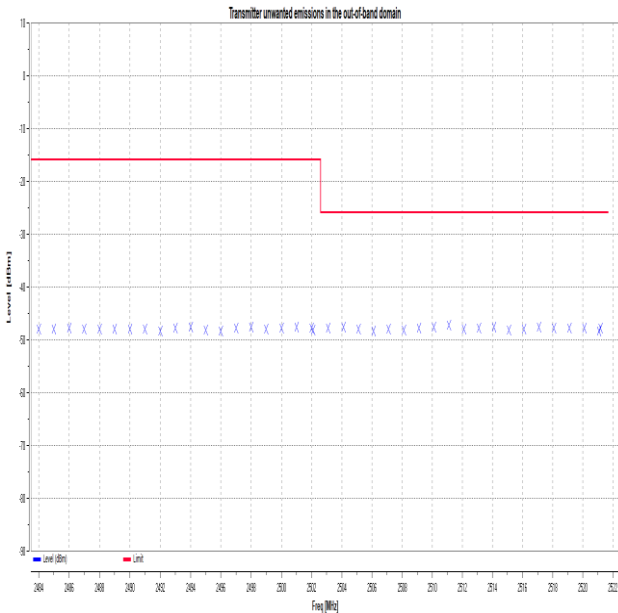
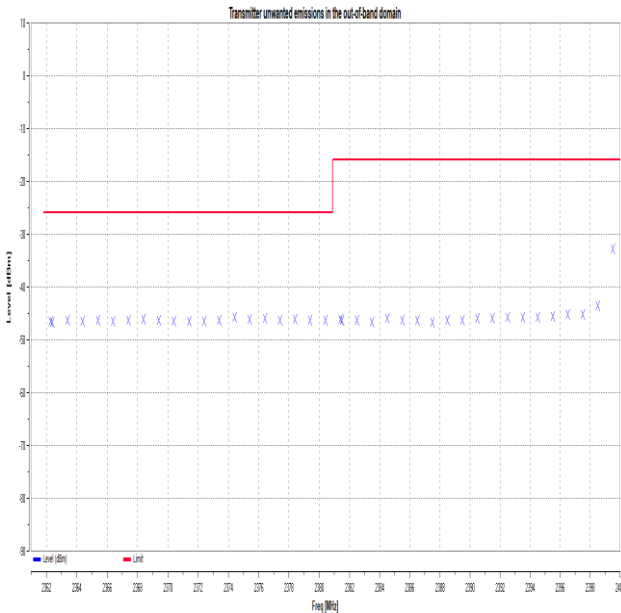
802.11n-HT40 Mode: 2422 MHz



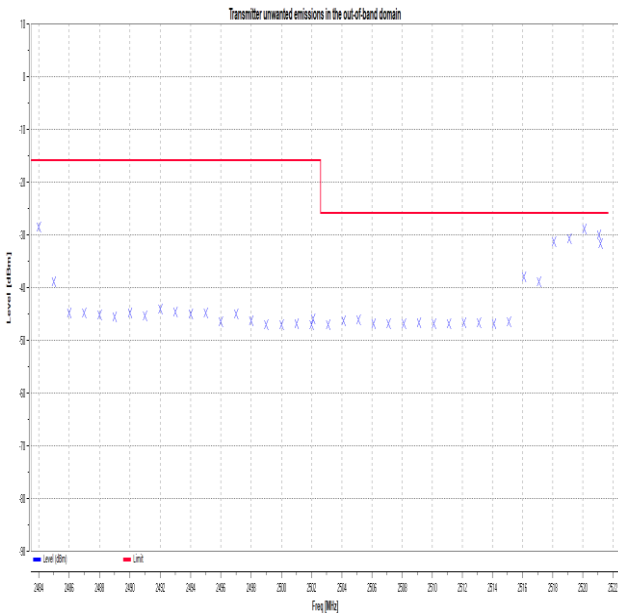
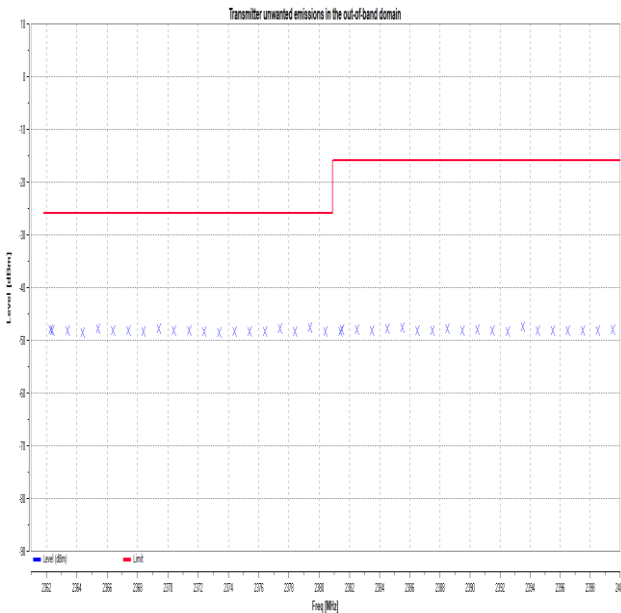
802.11n-HT40 Mode: 2462 MHz



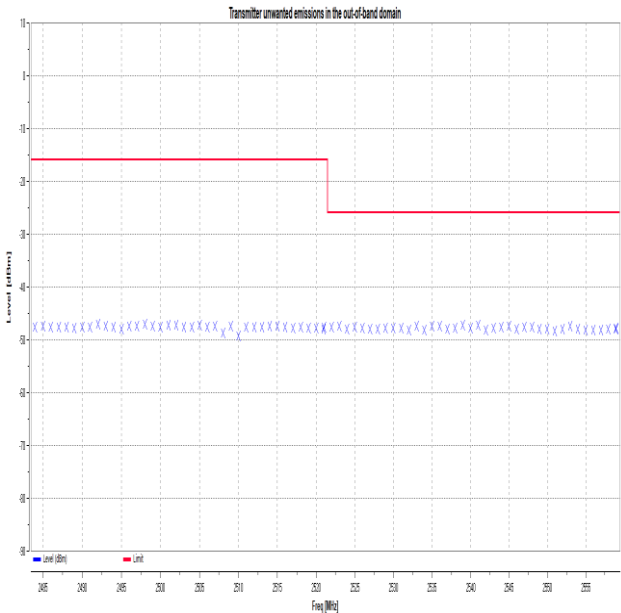
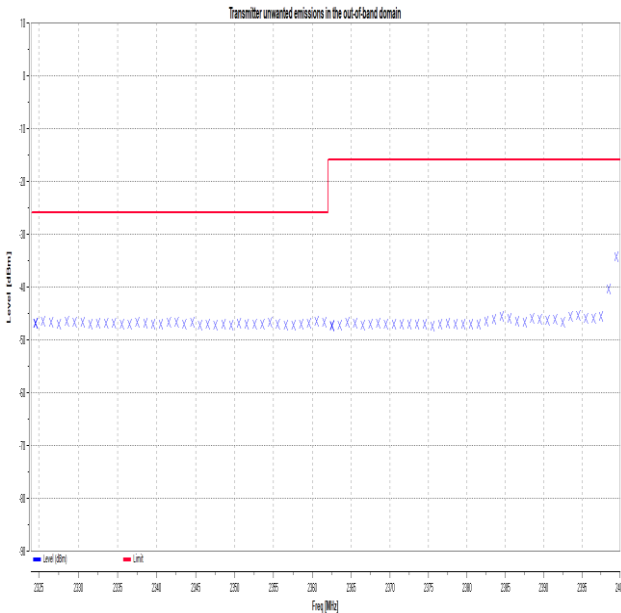
802.11ax-HE20 Mode: 2412 MHz



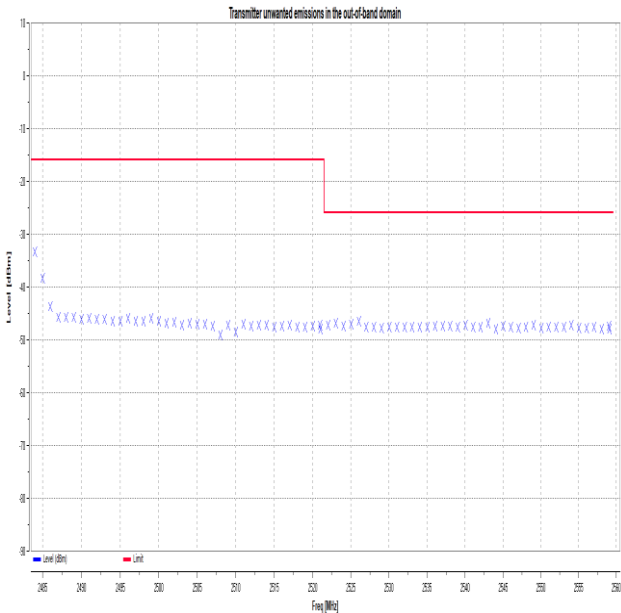
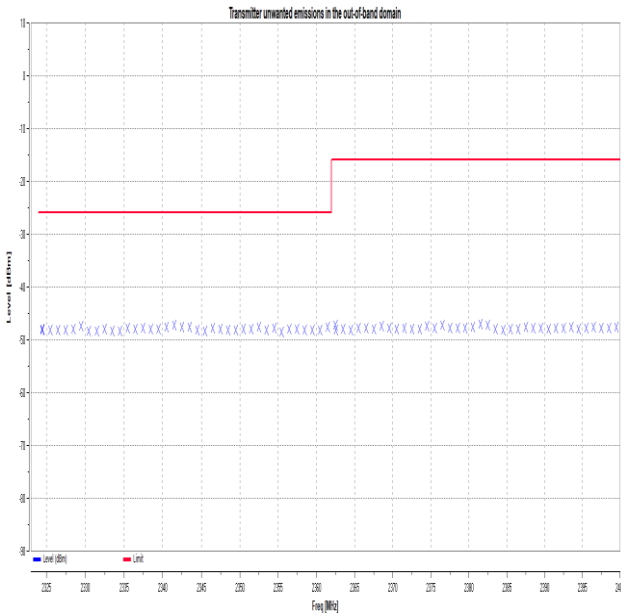
802.11ax-HE20 Mode: 2472 MHz



802.11ax-HE40 Mode: 2422 MHz

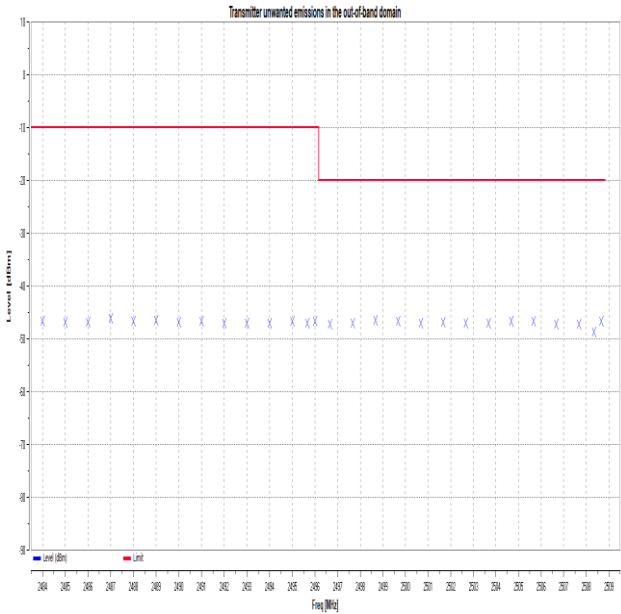
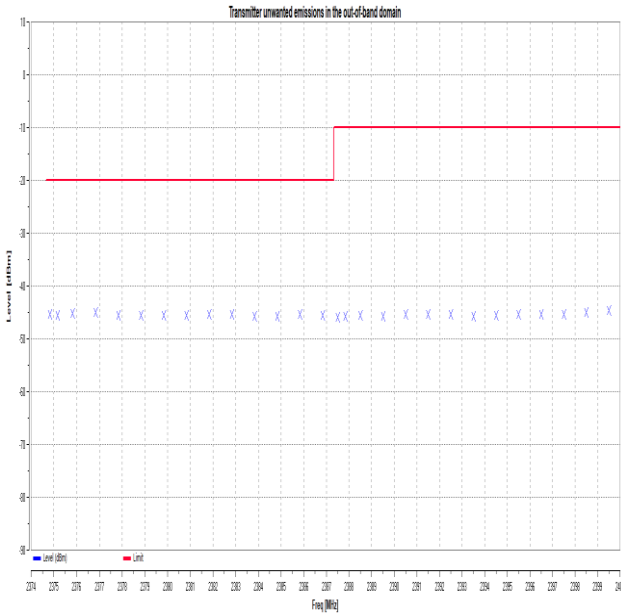


802.11ax-HE40 Mode: 2462 MHz

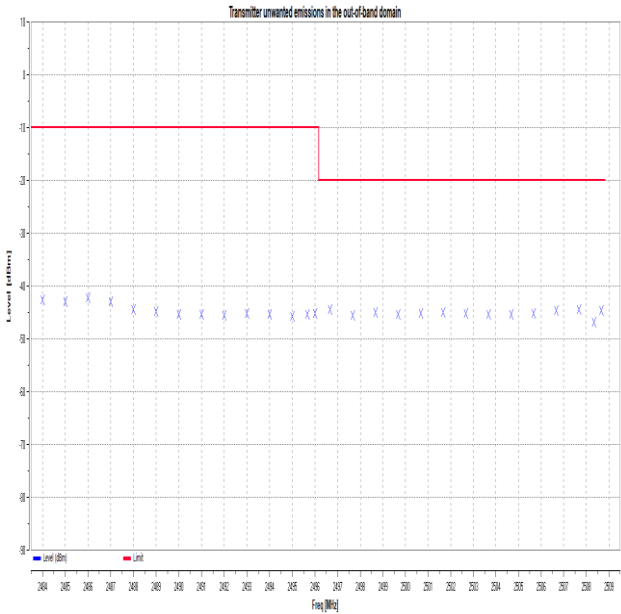
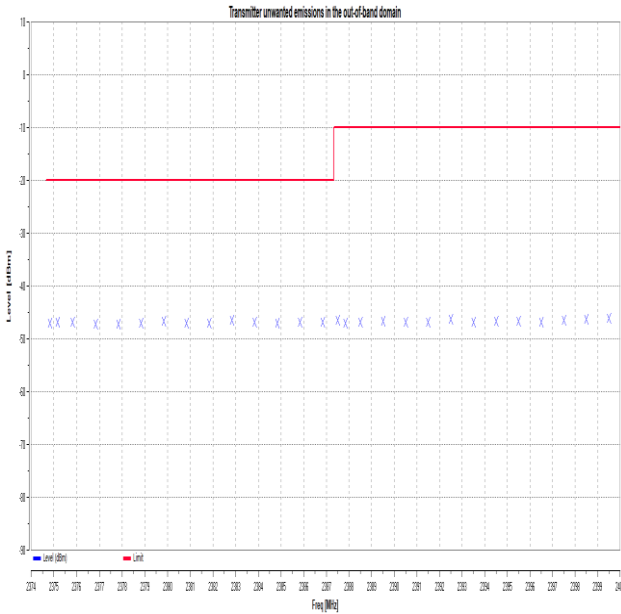


Chain 1

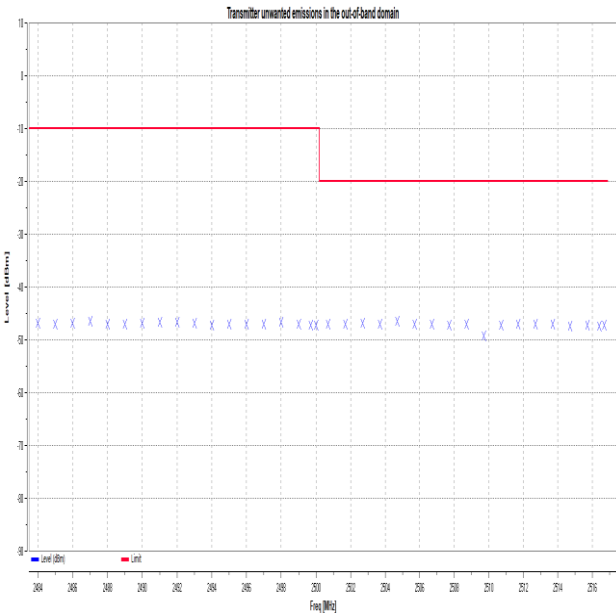
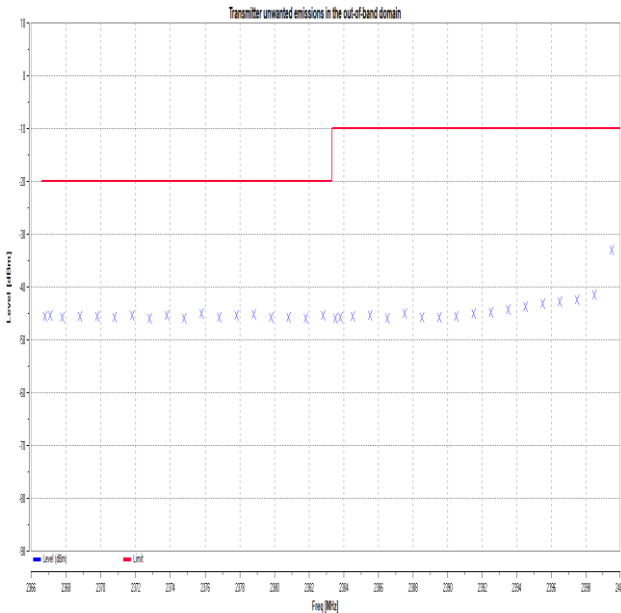
802.11b Mode: 2412 MHz



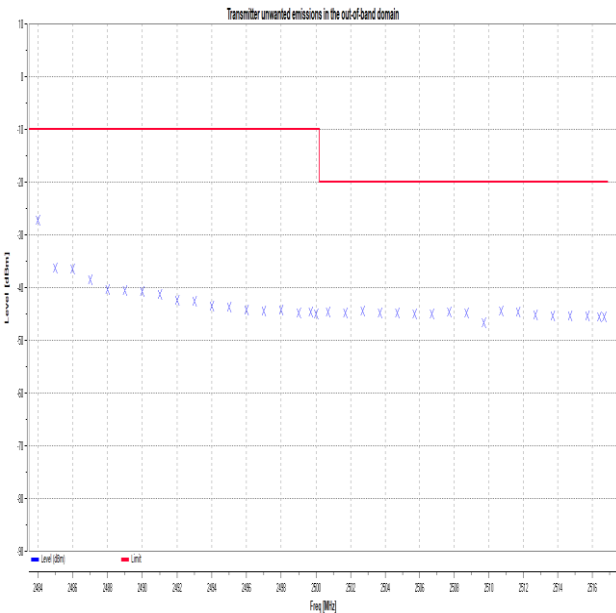
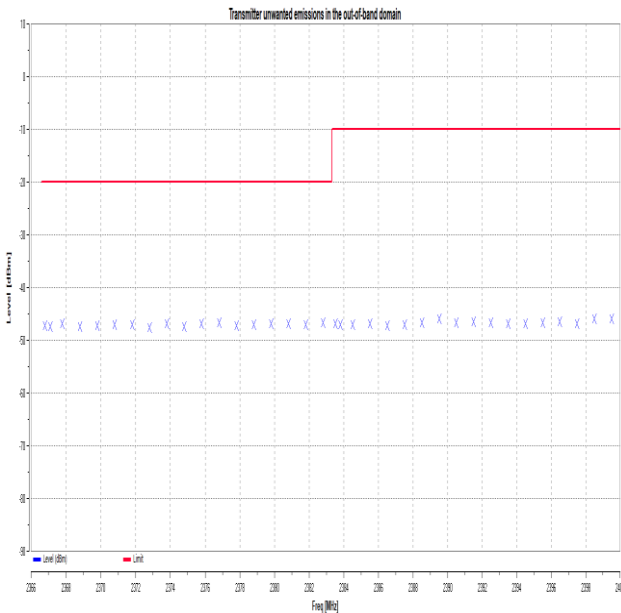
802.11b Mode: 2472 MHz



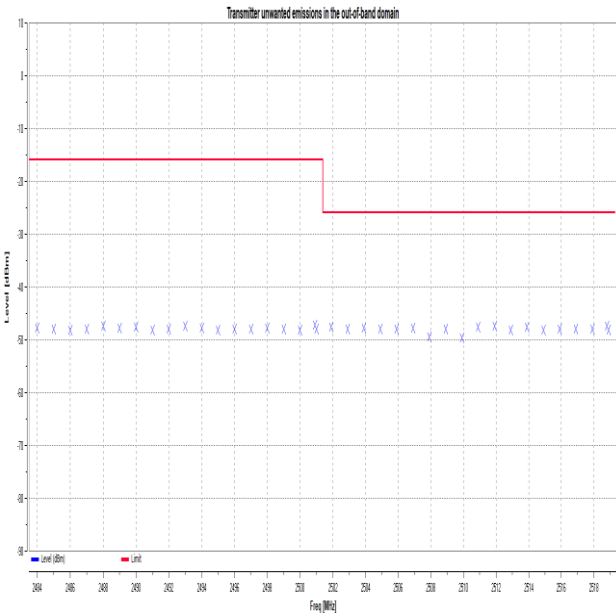
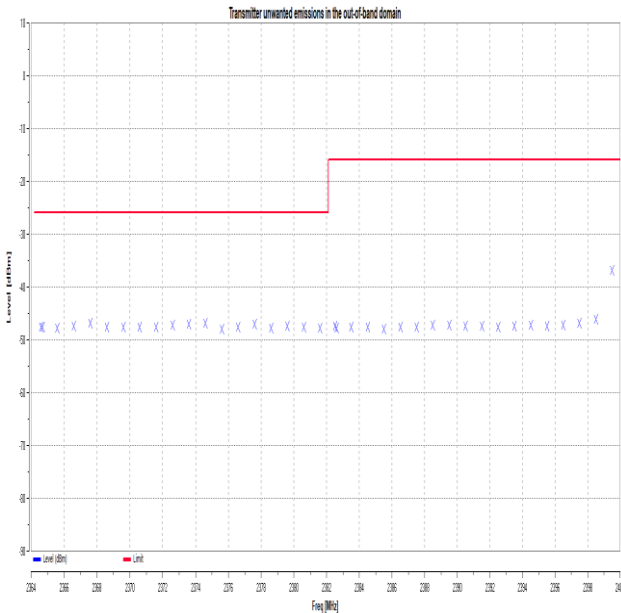
802.11g Mode: 2412 MHz



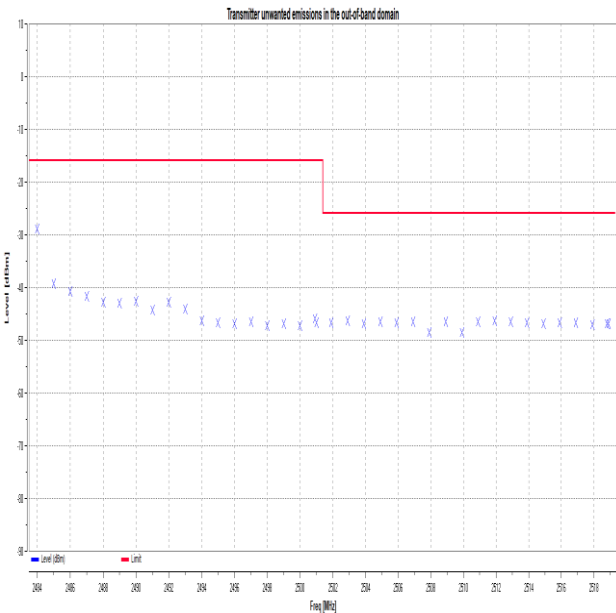
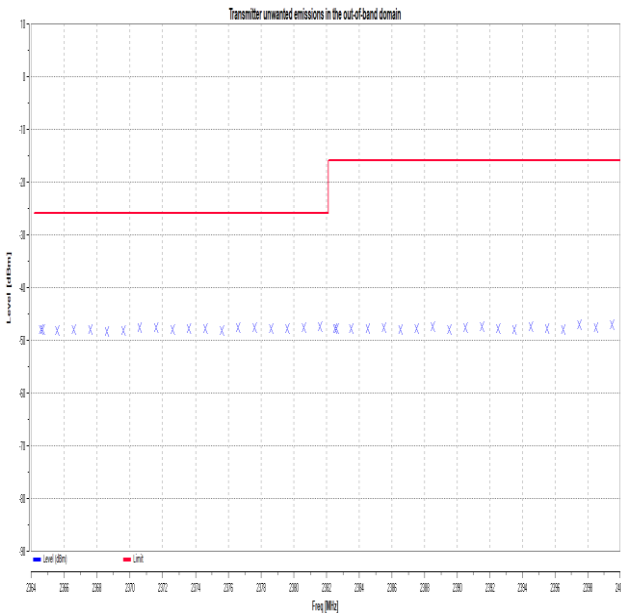
802.11g Mode: 2472 MHz



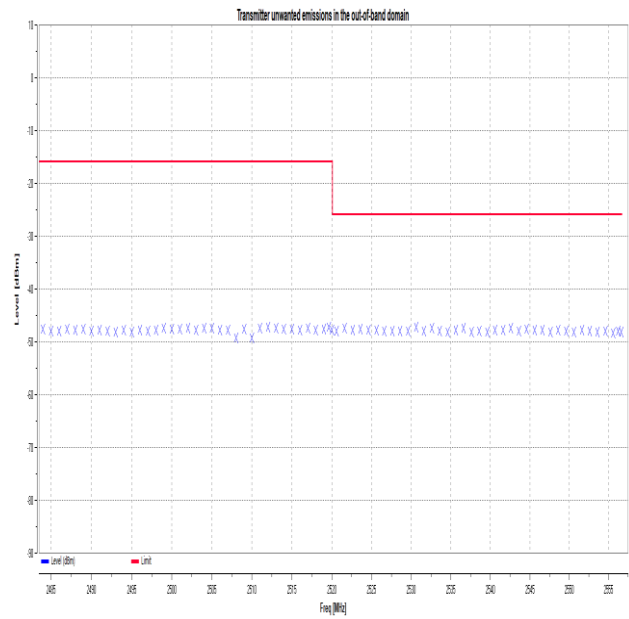
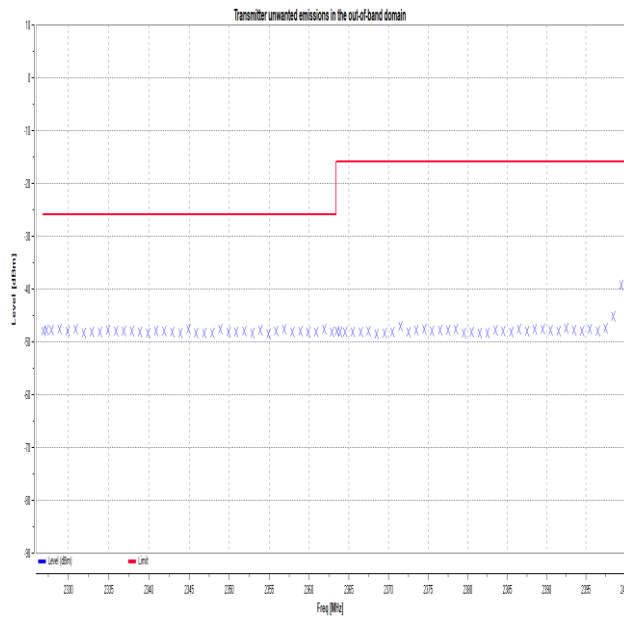
802.11n-HT20 Mode: 2412 MHz



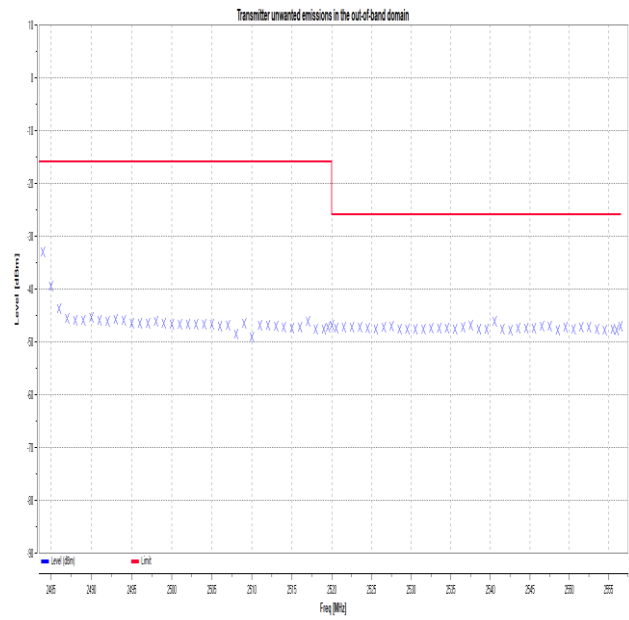
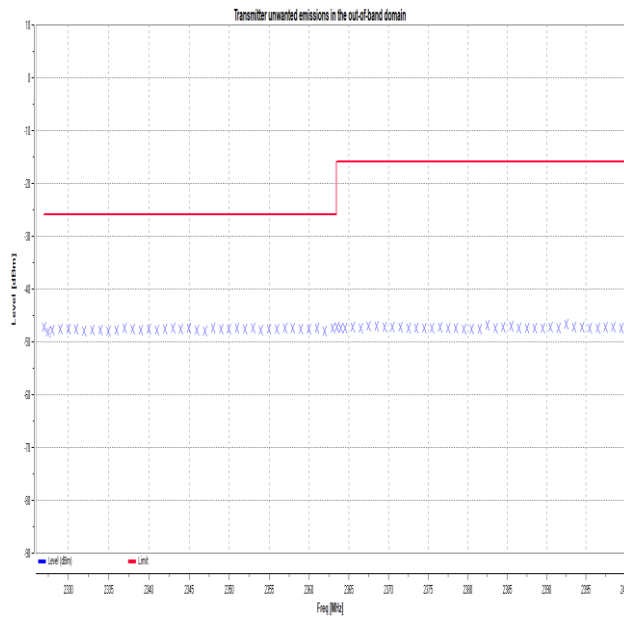
802.11n-HT20 Mode: 2472 MHz



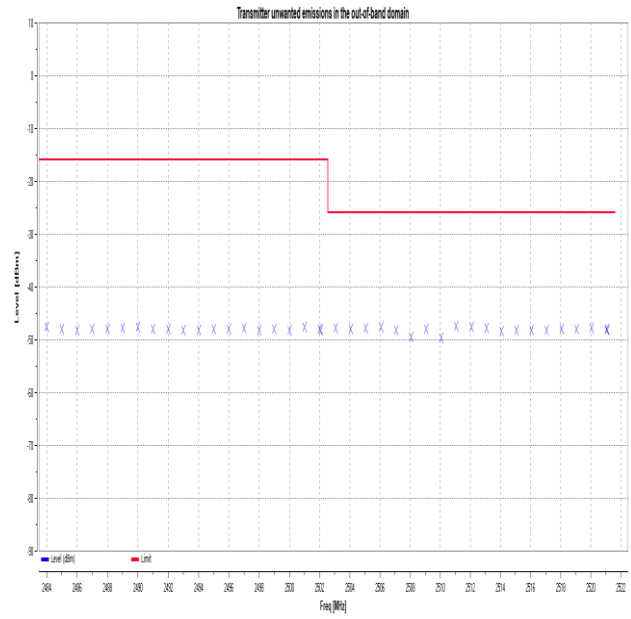
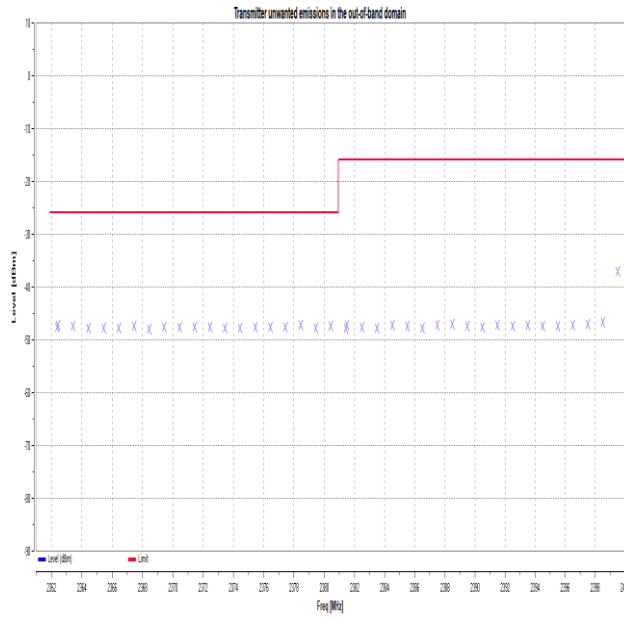
802.11n-HT40 Mode: 2422 MHz



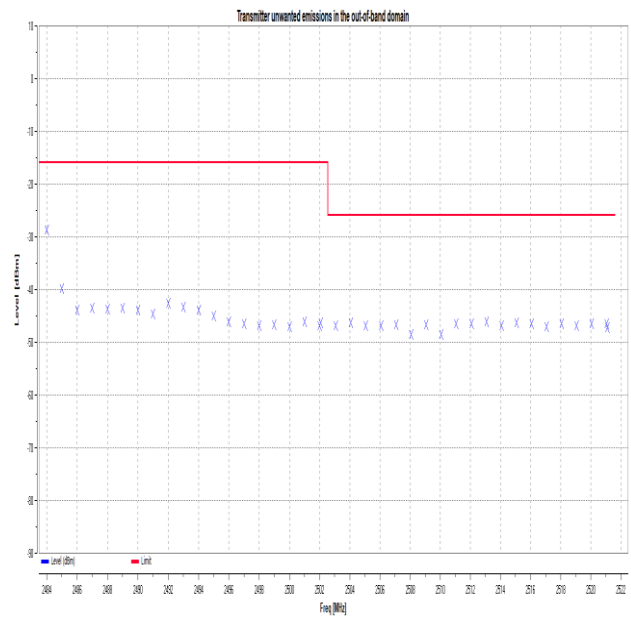
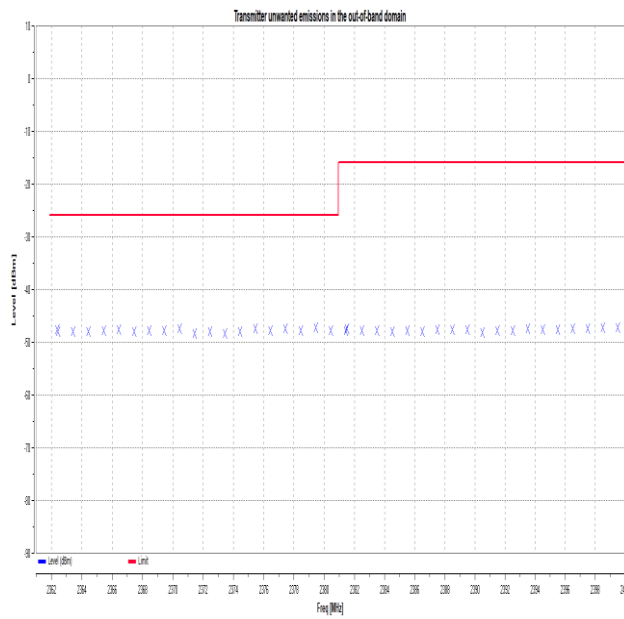
802.11n-HT40 Mode: 2462 MHz



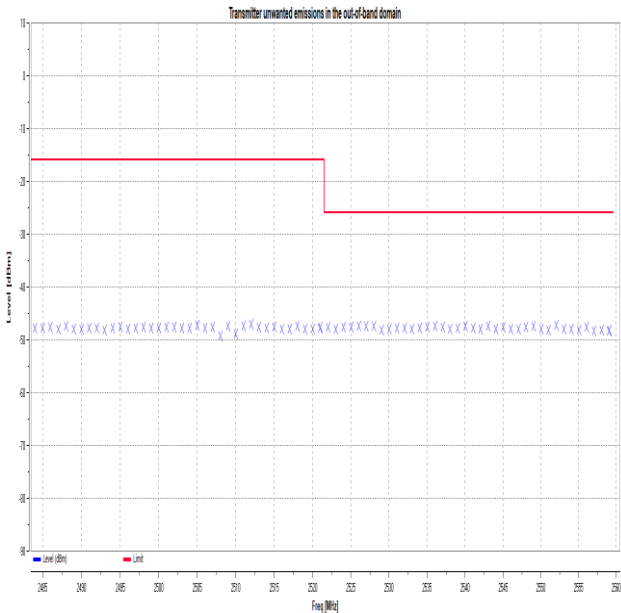
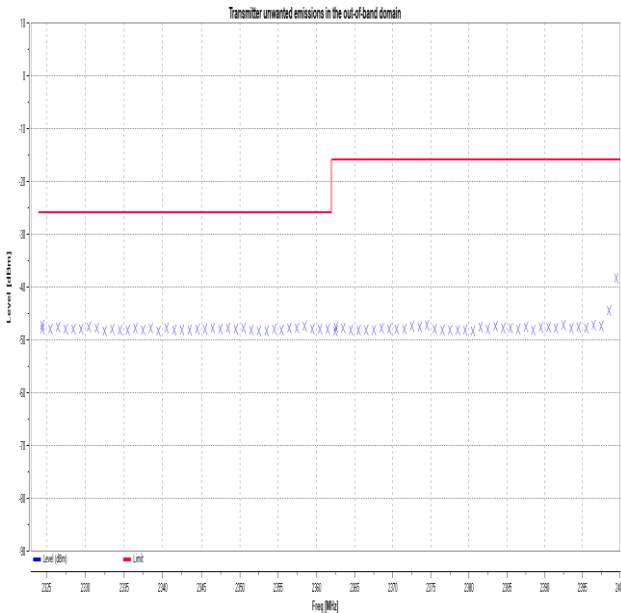
802.11ax-HE20 Mode: 2412 MHz



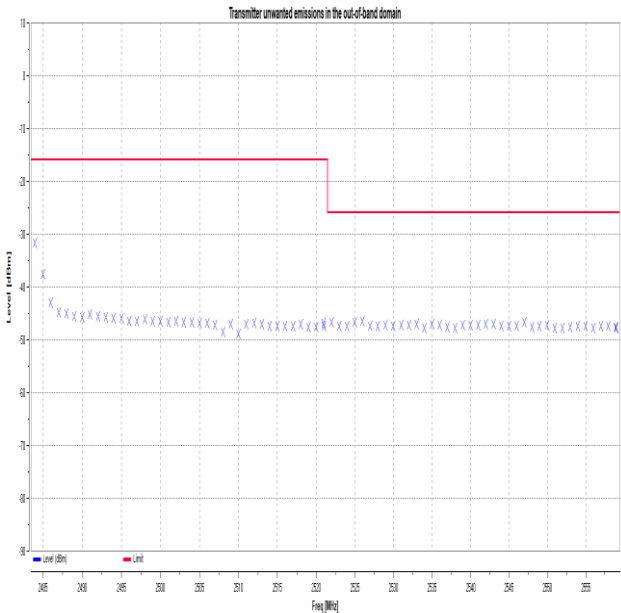
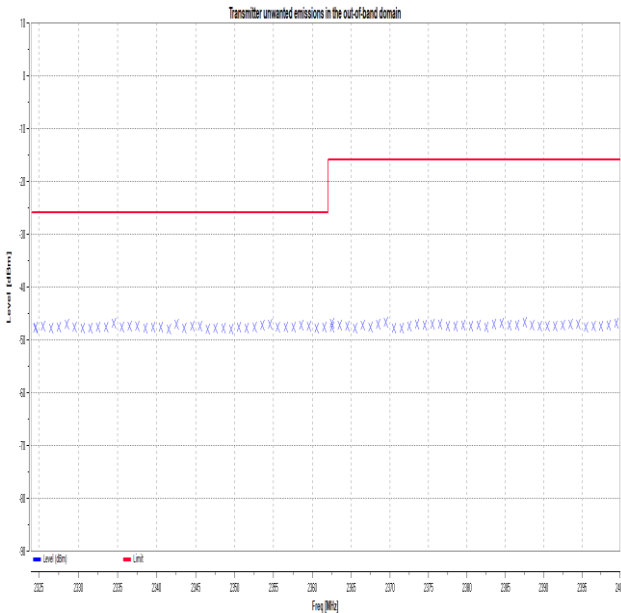
802.11ax-HE20 Mode: 2472 MHz



802.11ax-HE40 Mode: 2422 MHz



802.11ax-HE40 Mode: 2462 MHz



TRANSMITTER UNWANTED EMISSION IN THE SPURIOUS DOMAIN**Environmental Conditions & Test Information**

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: Beamforming in 802.11n20 mode (worst case).

30 MHz - 12.75 GHz:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	EN 300 328	
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
Low Channel										
89.66	49.91	281	150	H	-57.29	0.31	-6.98	-64.58	-54	10.58
89.66	45.85	116	150	V	-57.15	0.31	-6.98	-64.44	-54	10.44
4824.00	47.55	248	200	H	-58.88	1.06	10.16	-49.78	-30	19.78
4824.00	47.64	286	100	V	-58.79	1.06	10.16	-49.69	-30	19.69
High Channel										
87.86	50.41	298	200	H	-56.72	0.31	-7.14	-64.17	-54	10.17
87.86	47.27	330	150	V	-56.53	0.31	-7.14	-63.98	-54	9.98
4944.00	46.35	333	150	H	-59.80	1.07	10.26	-50.61	-30	20.61
4944.00	46.43	277	150	V	-59.72	1.07	10.26	-50.53	-30	20.53

Note: Antenna gain is dBd for frequency below 1GHz and dBi for frequency above 1GHz

Absolute Level = Submitted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

RECEIVER SPURIOUS EMISSIONS**Environmental Conditions & Test Information**

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test mode: Receiving in 802.11n20 mode (worst case).

30 MHz - 12.75 GHz:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	EN 300 328	
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)		Limit (dBm)	Margin (dB)
Low Channel										
585.81	41.27	167	200	H	-61.91	0.59	-0.83	-63.33	-57	6.33
585.81	39.26	180	200	V	-62.09	0.59	-0.83	-63.51	-57	6.51
1103.40	51.46	181	150	H	-62.12	0.79	7.09	-55.82	-47	8.82
1103.40	51.62	41	200	V	-61.96	0.79	7.09	-55.66	-47	8.66
High Channel										
585.81	40.85	173	150	H	-62.33	0.59	-0.83	-63.75	-57	6.75
585.81	38.91	156	150	V	-62.44	0.59	-0.83	-63.86	-57	6.86
1103.40	52.01	262	200	H	-61.57	0.79	7.09	-55.27	-47	8.27
1103.40	51.89	233	100	V	-61.69	0.79	7.09	-55.39	-47	8.39

Note: Antenna gain is dBd for frequency below 1GHz and dBi for frequency above 1GHz

Absolute Level = Submitted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

RECEIVER BLOCKING**Environmental Conditions & Test Information**

Test Date:	2026-01-28
Temperature:	19 °C
Relative Humidity:	50 %
ATM Pressure:	102.0 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Note: AP sends packets to the EUT, PER can be read by Ipref3.

Test Result: Compliant

Receiver category	Channel	Wanted signal mean power from companion device (dBm)	Blocking signal Frequency (MHz)	Blocking signal Power(dBm)	PER (%)	Limit (%)
1 (See Note 1)	Low	-63.17	2380	-29.17 (See Note 2)	1.40	≤10.00
		-69.17	2300		1.27	≤10.00
			2330		1.20	≤10.00
			2360		1.20	≤10.00
	High	-63.17	2504	-29.17 (See Note 2)	1.33	≤10.00
		-69.17	2524		1.47	≤10.00
			2584		1.27	≤10.00
			2674		1.13	≤10.00
Note 1: The e.i.r.p > 10 dBm Note 2: The actual assembly gain is 4.83 dBi.						

EXHIBIT A - E.2 INFORMATION AS REQUIRED BY ETSI EN 300 328 V2.2.2, CLAUSE 5.4.1

In accordance with EN 300 328, clause 5.4.1, the following information is provided by the manufacturer.

a) The type of modulation used by the equipment:

- ☐ FHSS
☒ other forms of modulation

b) In case of FHSS modulation:

In case of non-Adaptive Frequency Hopping equipment:

The number of Hopping Frequencies: _____.

In case of Adaptive Frequency Hopping Equipment:

The maximum number of Hopping Frequencies: _____;

The minimum number of Hopping Frequencies: _____;

The (average) Dwell Time: _____;

c) Adaptive / non-adaptive equipment:

- ☐ non-adaptive Equipment
☒ adaptive Equipment without the possibility to switch to a non-adaptive mode
☐ adaptive Equipment which can also operate in a non-adaptive mode

d) In case of adaptive equipment:

The maximum Channel Occupancy Time implemented by the equipment: 4.645 ms

- ☐ The equipment has implemented an LBT based DAA mechanism

In case of equipment using modulation different from FHSS:

- ☐ The equipment is Frame Based equipment
☒ The equipment is Load Based equipment
☐ The equipment can switch dynamically between Frame Based and Load Based equipment

The CCA time implemented by the equipment: 0.068 ms

- ☐ The equipment has implemented a non-LBT based DAA mechanism
☐ The equipment can operate in more than one adaptive mode

e) In case of non-adaptive Equipment:

The maximum RF Output Power (e.i.r.p.): _____ dBm

The maximum (corresponding) Duty Cycle: _____ %

Equipment with dynamic behaviour, that behaviour is described here. (e.g. the different combinations of duty cycle and corresponding power levels to be declared):

_____.

f) The worst case operational mode for each of the following tests:

RF Output Power: 19.35 dBm;
 Power Spectral Density 9.58 dBm/MHz;
 Duty cycle, Tx-Sequence, Tx-gap N/A;
 Accumulated Transmit time, Frequency Occupation & Hopping Sequence (only for FHSS equipment) N/A;
 Hopping Frequency Separation (only for FHSS equipment) N/A;
 Medium Utilisation N/A;
 Adaptivity Compliant;
 Receiver Blocking Compliant;
 Nominal Channel Bandwidth 20MHz/40MHz;
 Transmitter unwanted emissions in the OOB domain -28.95 dBm/MHz;
 Transmitter unwanted emissions in the spurious domain -63.98 dBm;
 Receiver spurious emissions -63.33 dBm;

g) The different transmit operating modes (tick all that apply):

- ☒ Operating mode 1: Single Antenna Equipment
☒ Equipment with only 1 antenna
☐ Equipment with 2 diversity antennas but only one antenna active at any moment in time
☐ Smart Antenna Systems with 2 or more antennas, but operating in a (legacy) mode where only 1 antenna is used.
 (e.g. IEEE 802.11™ [i.3] legacy mode in smart antenna systems)
- ☐ Operating mode 2: Smart Antenna Systems - Multiple Antennas without beam forming
☐ Single spatial stream / Standard throughput / (e.g. IEEE 802.11™ [i.3] legacy mode)
☐ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 1
☐ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 2
 Note: Add more lines if more channel bandwidths are supported.
- ☐ Operating mode 3: Smart Antenna Systems - Multiple Antennas with beam forming
☐ Single spatial stream / Standard throughput (e.g. IEEE 802.11™ [i.3] legacy mode)
☐ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 1
☐ High Throughput (> 1 spatial stream) using Occupied Channel Bandwidth 2
 Note: Add more lines if more channel bandwidths are supported.

h) In case of Smart Antenna Systems:

The number of Receive chains: _____;
 The number of Transmit chains: _____;

- ☐ symmetrical power distribution
☐ asymmetrical power distribution

In case of beam forming, the maximum (additional) beam forming gain: N/A;

Note: The additional beam forming gain does not include the basic gain of a single antenna.

i) Operating Frequency Range(s) of the equipment:Operating Frequency Range 1: 2412 MHz to 2472 MHzOperating Frequency Range 2: 2422 MHz to 2462 MHz

Note: Add more lines if more Frequency Ranges are supported.

j) Nominal Channel Bandwidth(s):Nominal Channel Bandwidth 1: 20 MHzNominal Channel Bandwidth 2: 40 MHz

Nominal Channel Bandwidth 3: _____ MHz

Nominal Channel Bandwidth 4: _____ MHz

Note: Add more lines if more channel bandwidths are supported.

k) Type of Equipment (stand-alone, combined, plug-in radio device, etc.):☒ Stand-alone☐ Combined Equipment (Equipment where the radio part is fully integrated within another type of equipment)☐ Plug-in radio device (Equipment intended for a variety of host systems)☐ Other _____;**l) The normal and extreme operating conditions that apply to the equipment:****Normal operating conditions (if applicable):**Operating temperature: +25 ° C

Other (please specify if applicable):

Extreme operating conditions:Operating temperature range: Minimum: 0 ° C Maximum: +40 ° C

Other (please specify if applicable): Minimum: Maximum

Details provided are for the: ☒ stand-alone equipment☐ combined (or host) equipment☐ test jig**m) The intended combination(s) of the radio equipment power settings and one or more antenna assemblies and their corresponding e.i.r.p levels:**

Antenna Type:

☒ Integral Antenna (information to be provided in case of conducted measurements)Antenna Gain: 4.83 dBi

If applicable, additional beamforming gain (excluding basic antenna gain): _____ dB

- ☐ Temporary RF connector provided
☐ No temporary RF connector provided
☐ Dedicated Antennas (equipment with antenna connector)
☐ Single power level with corresponding antenna(s)
☐ Multiple power settings and corresponding antenna(s)

Number of different Power Levels:

Power Level 1: dBm

Power Level 2: dBm

Power Level 3: dBm

Note 1: Add more lines in case the equipment has more power levels.

Note 2: These power levels are conducted power levels (at antenna connector).

For each of the Power Levels, provide the intended antenna assemblies, their corresponding gains (G) and the resulting e.i.r.p. levels also taking into account the beamforming gain (Y) if applicable

Power Level 1: dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p.(dBm)	Part number or model name
1			
2			
3			
4			

NOTE 3: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 2: dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p.(dBm)	Part number or model name
1			
2			
3			
4			

NOTE 4: Add more rows in case more antenna assemblies are supported for this power level.

Power Level 3: dBm

Number of antenna assemblies provided for this power level:

Assembly #	Gain (dBi)	e.i.r.p.(dBm)	Part number or model name
1			
2			
3			
4			

NOTE 5: Add more rows in case more antenna assemblies are supported for this power level.

n) The nominal voltages of the stand-alone radio equipment or the nominal voltages of the combined (host) equipment or test jig in case of plug-in devices:

Details provided are for the: ☒stand-alone equipment
☐combined (or host) equipment
☐test jig

Supply Voltage ☐AC mains State AC voltage _____ V
☒DC State DC voltage 12 V

In case of DC, indicate the type of power source

☐Internal Power Supply
☒External Power Supply or AC/DC adapter 12 V
☐Battery _____ V
☐Other:_____.

o) Describe the test modes available which can facilitate testing:

Continuous transmitting & receiving and normal operation.

p) The equipment type (e.g. Bluetooth®, IEEE 802.11™ [i.3], IEEE 802.15.4™ [i.4], proprietary, etc.):

IEEE 802.11™ [i.3].

q) If applicable, the statistical analysis referred to in clause 5.4.1 q)

(to be provided as separate attachment)

r) If applicable, the statistical analysis referred to in clause 5.4.1 r)

(to be provided as separate attachment)

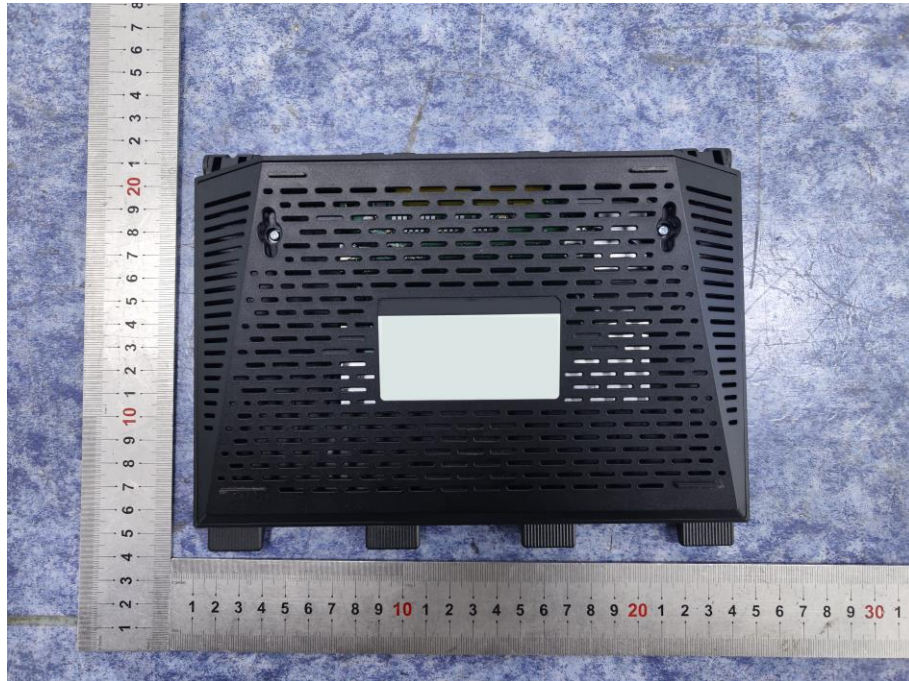
s) Geo-location capability supported by the equipment:

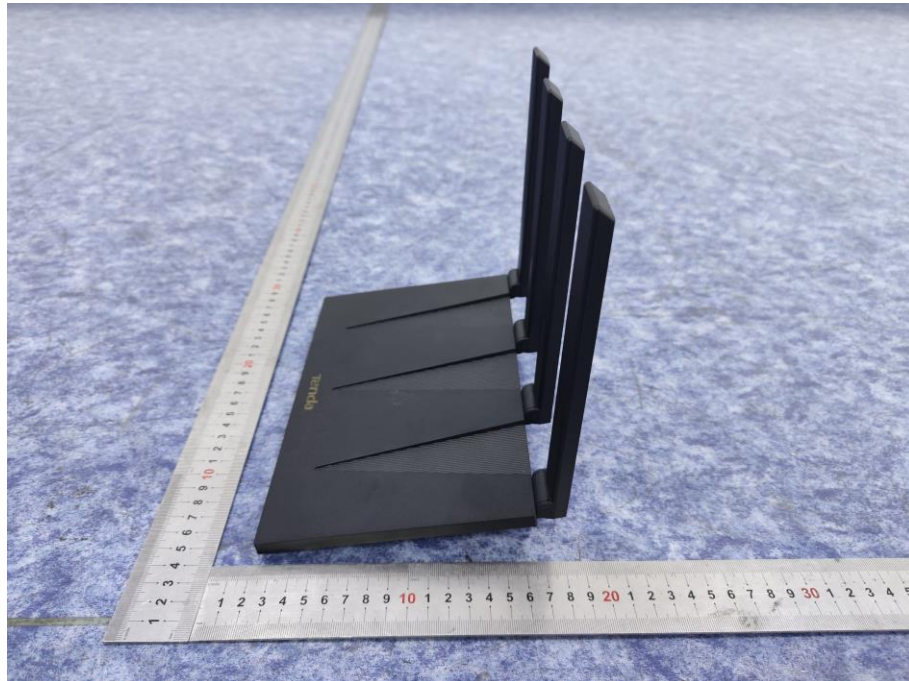
☐Yes
☐The geographical location determined by the equipment as defined in clause 4.3.1.13.2 or clause 4.3.2.12.2 is not accessible to the user.

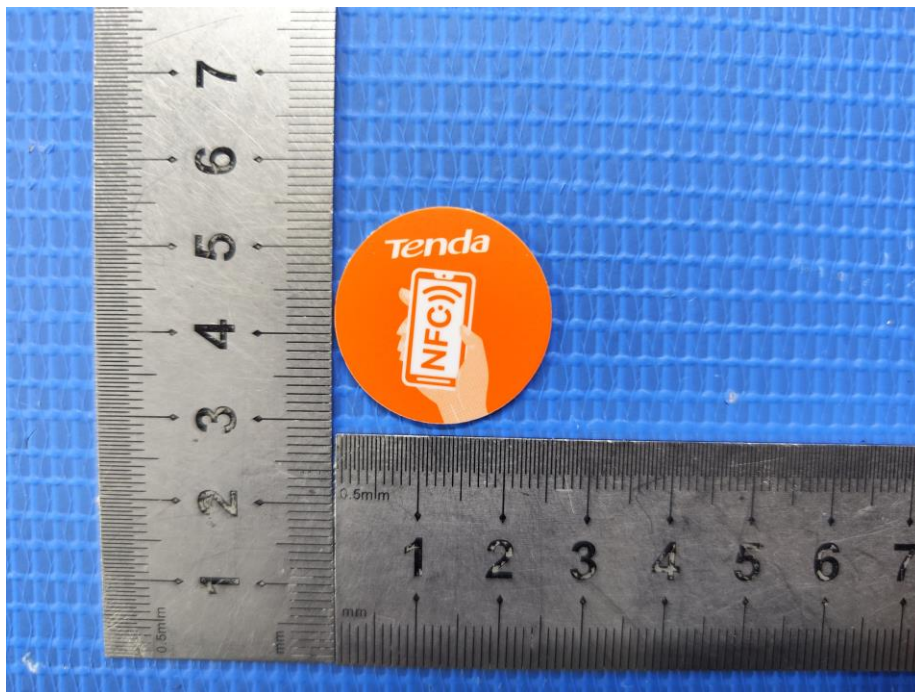
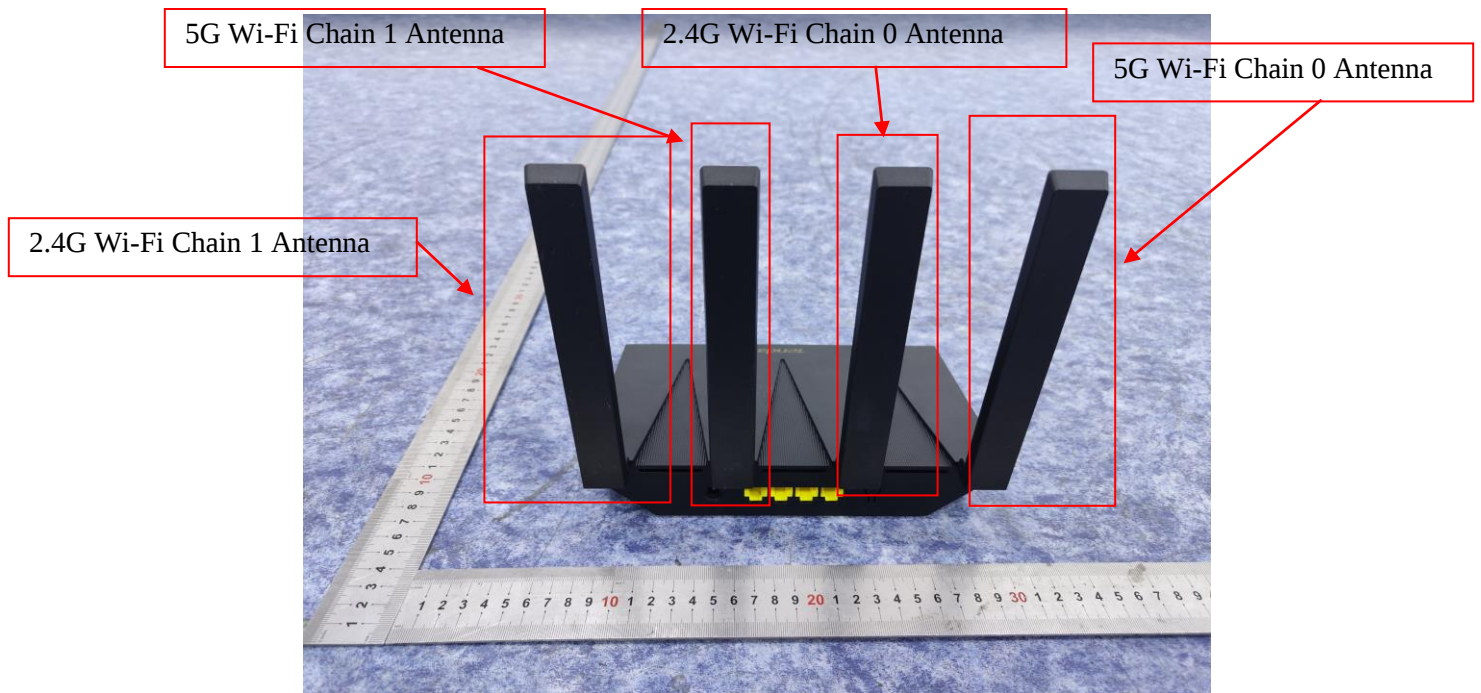
☒No

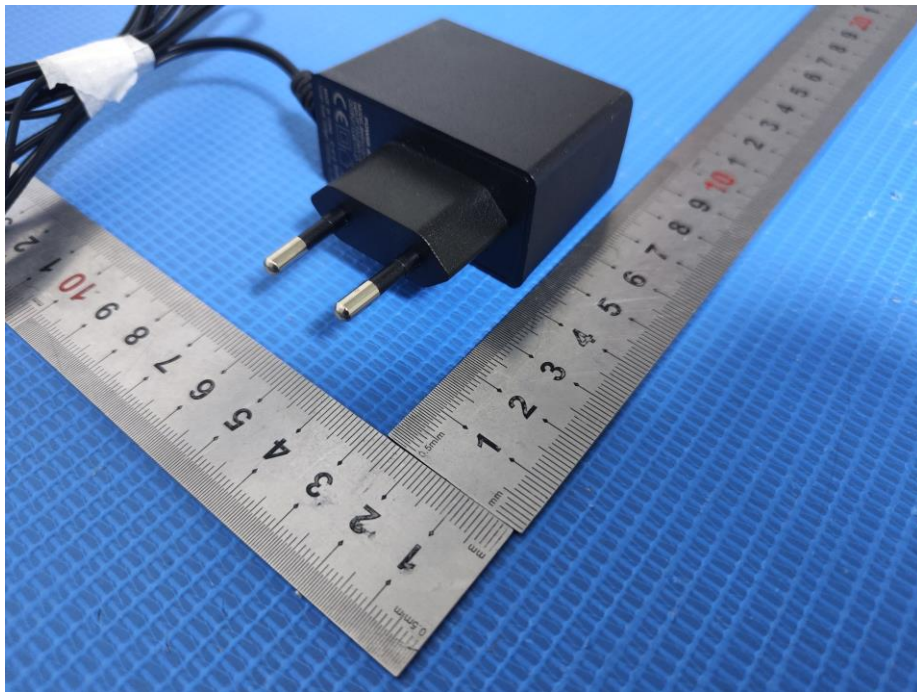
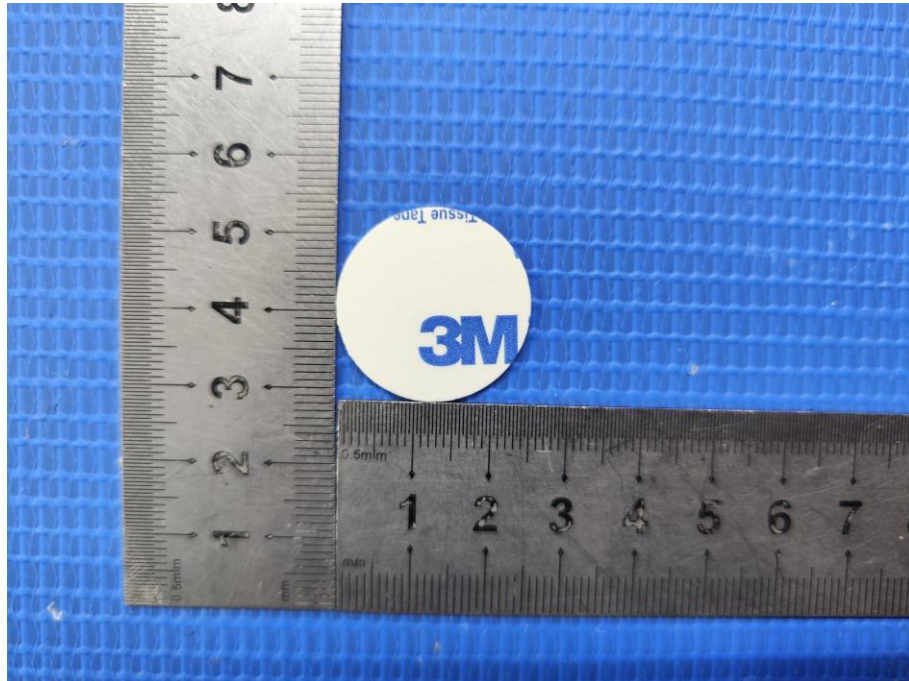
EXHIBIT B - EUT PHOTOGRAPHS

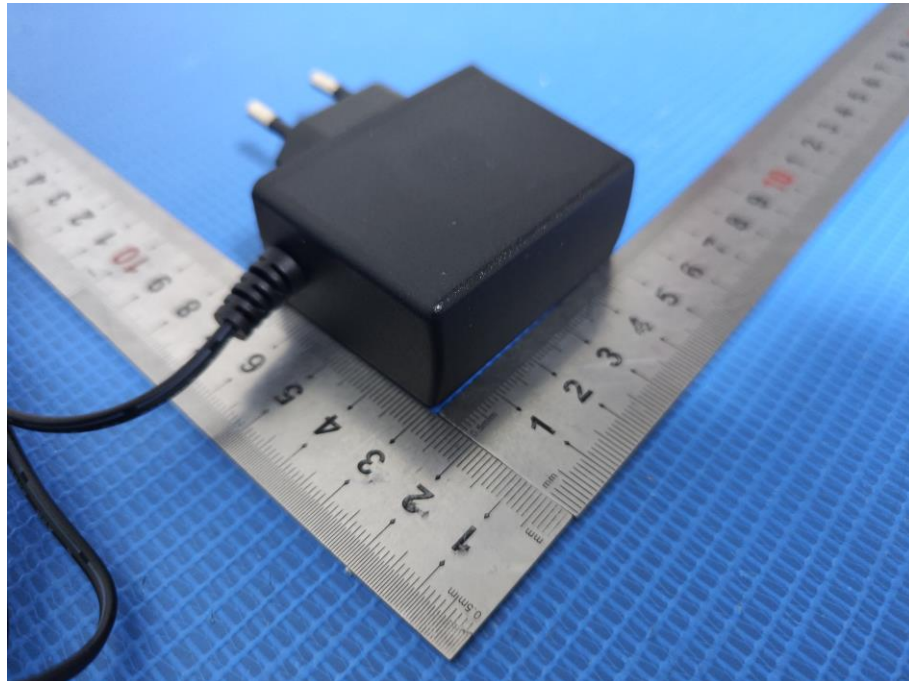


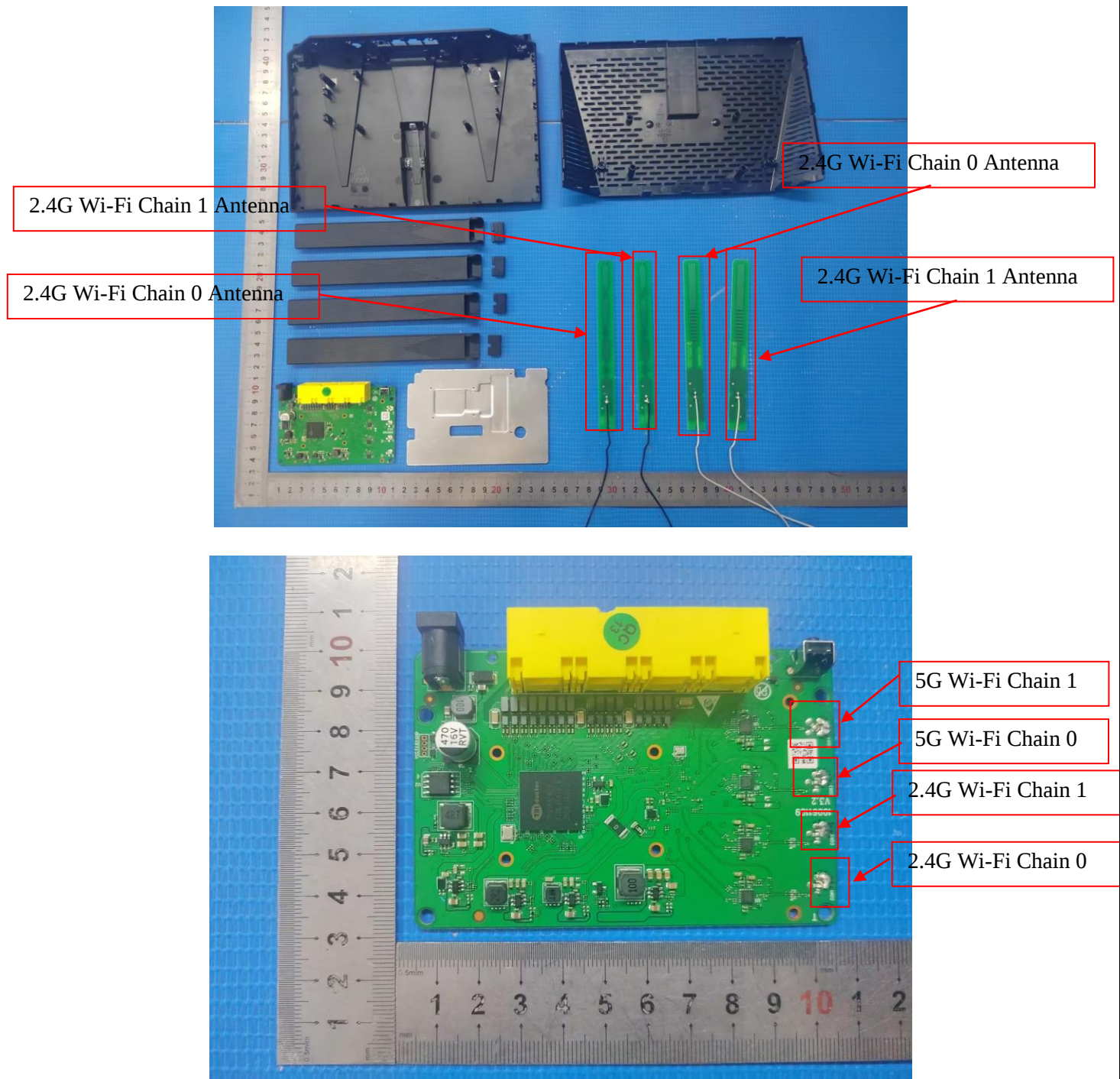


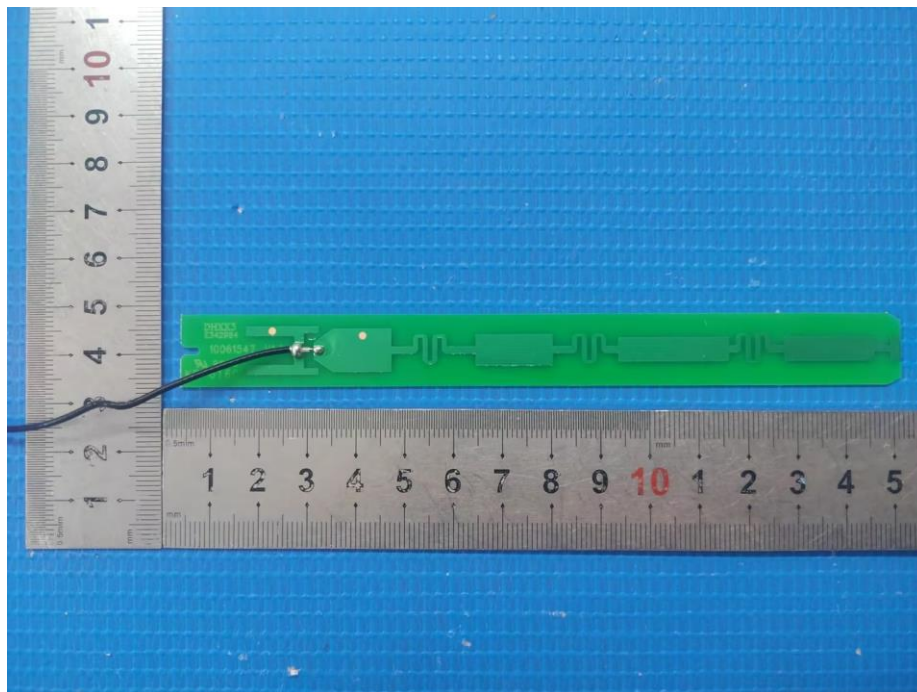
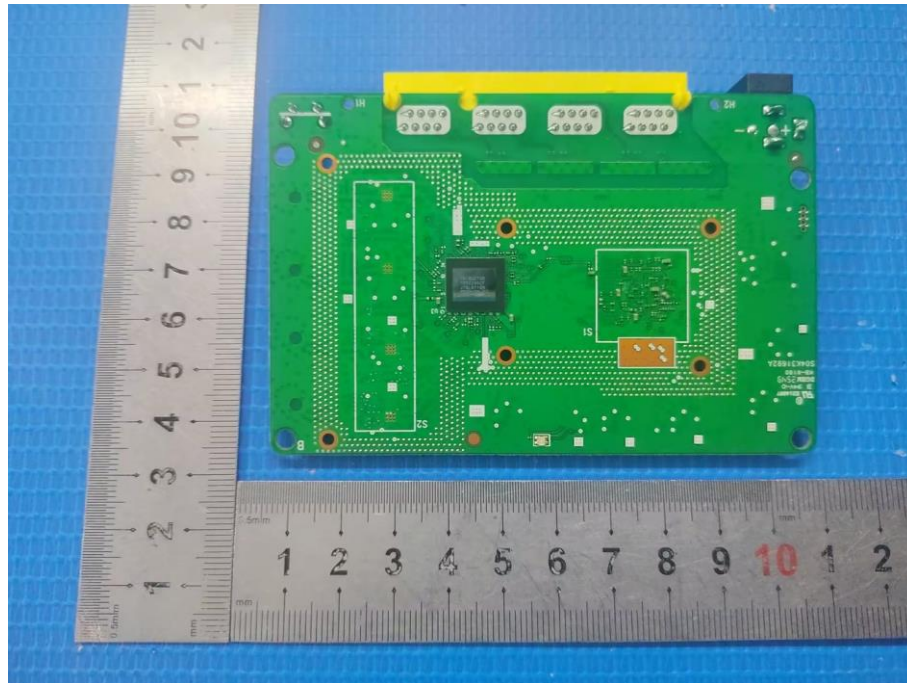


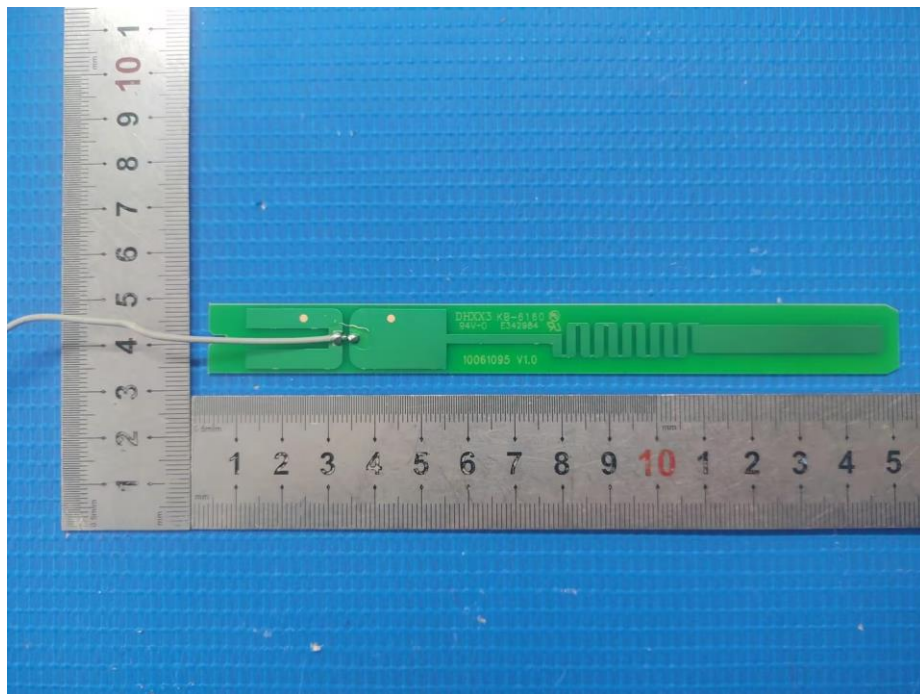
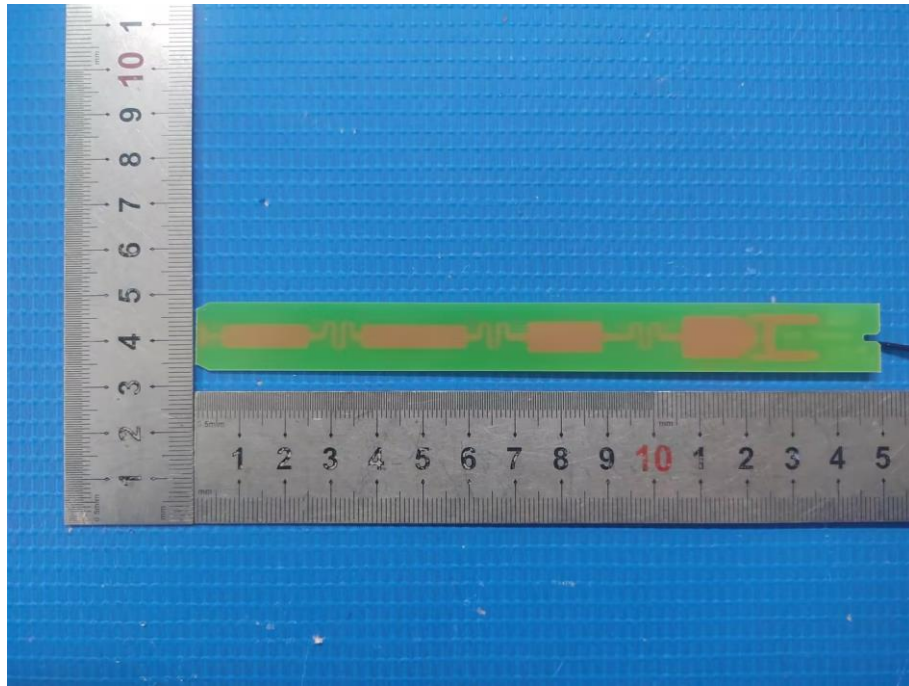












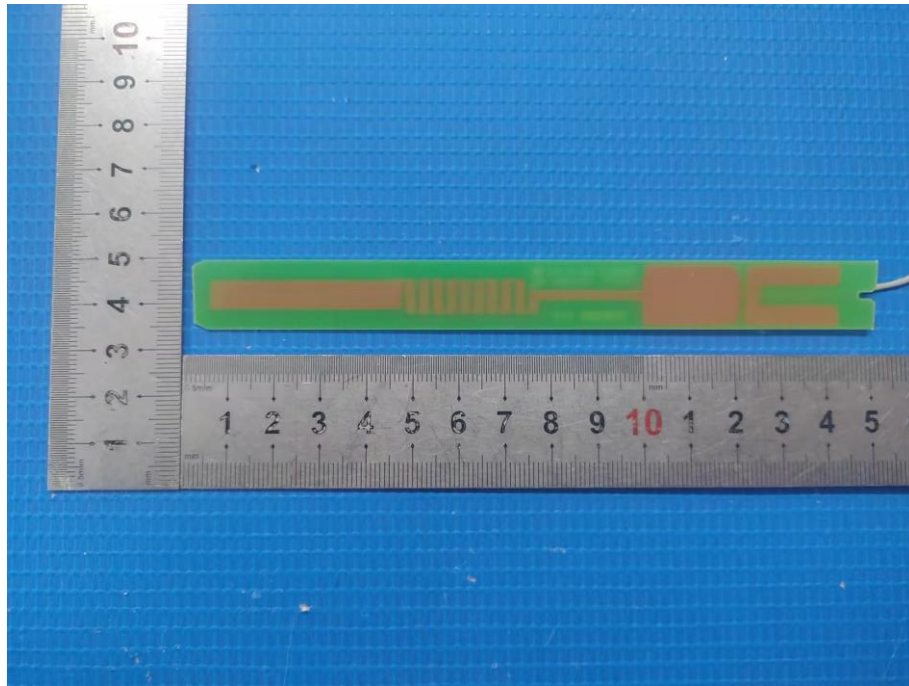




EXHIBIT C - TEST SETUP PHOTOGRAPHS

Radiated Spurious Emissions Test View (Below 1GHz)



Radiated Spurious Emissions Test View (Above 1GHz)



Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s). This report must not be duplicated or used in part without prior written consent from the laboratory.
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

*******END OF REPORT*******