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TESTING
CNAS L3163

CE Radio Test Report

Project No. : 2307C104
Equipment : N300 Wi-Fi 4G LTE Router
Brand Name : Tenda
Test Model : 4G03 Pro
Series Model : 4G05
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD.
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Manufacturer : SHENZHEN TENDA TECHNOLOGY CO.,LTD.
Address : 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Date of Receipt : Jul. 12, 2023
Date of Test : Jul. 14, 2023 ~ Jul. 26, 2023
Issued Date : Aug. 01, 2023
Report Version : R00
Test Sample : Engineering Sample No.: DG20230712320 and DG20230712323
Standard(s) : ETSI EN 301 908-1 V15.1.1 (2021-09)
ETSI EN 301 908-13 V13.2.1 (2022-02)

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.(Dongguan).

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-ETSP-2-2307C104	R00	Original Report.	Aug. 01, 2023	Valid

1. TEST SUMMARY

Applied Standard: ETSI EN 301 908-1 V15.1.1 (2021-09) and EN 301 908-13 V13.2.1 (2022-02) (See Note 2)			
Sub clause	Description of Test		Verdict
4.2.2	Radiated Emissions (UE)		Pass
4.2.2	Transmitter Maximum Output Power		Pass
4.2.3	Transmitter Spectrum Emission Mask	General Spectrum Emission Mask	Pass
		Additional Spectrum Emission Mask	Pass
4.2.4	Transmitter Spurious Emissions	General Spurious Emissions	Pass
		Spurious emission band UE co-existence	
		Additional spurious emissions	
4.2.5	Transmitter Minimum Output Power		Pass
4.2.6	Receiver Adjacent Channel Selectivity (ACS)		Pass
4.2.7	Receiver Blocking Characteristics	In Band	Pass
		Out Band	
		Narrow Band	
4.2.8	Receiver Spurious Response		Pass
4.2.9	Receiver Intermodulation Characteristics		Pass
4.2.10	Receiver Spurious Emissions		Pass
4.2.11	Transmitter Adjacent Channel Leakage Power Ratio		Pass
4.2.12	Receiver Reference Sensitivity Level		Pass
4.2.4	Control and monitoring functions (UE)		Pass (Note 4)
4.2.13	Receiver Total Radiated Sensitivity (TRS)		N/A (Note 3)
4.2.14	Total Radiated Power (TRP)		N/A (Note 3)

Note:

- EUT Orthogonal Axis:
"X" - denotes Laid on Table, "Y" - denotes Vertical Stand, "Z" - denotes Side Stand.
- Normative References:
ETSI TS 136 521-1 V16.9.0 (2021-03)
ETSI TS 136 508 V16.8.0 (2021-03)
ETSI TS 136 101 V13.21.0 (2021-03)
ETSI TS 137 544 V16.1.0 (2021-03)
Note: The standards in note 2 are the reference standards for the standards shown on page 1, and all of them are not listed in the CNAS scope.
- The present requirement applies to handheld phones/DUTs that are wider than or equal to 56 mm and narrower than or equal to 72 mm.

4. The RF module of this N300 Wi-Fi 4G LTE Router has been tested and certified. Please refer to the module report as listed in the below table for the test results of the RF module.

RF Module Model	Module Function	Report Number	Standard
EC200A-EL	WCDMA, LTE	2211RSU025-E3	ETSI EN 301 908-2 V13.1.1 (2020-06)
		2211RSU025-E2	ETSI EN 301 908-13 V13.2.1 (2022-02)
			ETSI EN 301 908-1 V15.1.1 (2021-09)

Based on the RF module the antennas for this N300 Wi-Fi 4G LTE Router were updated as below table:

Ant. Model Name	Type	Brand	Antenna Gain(dBi)	Note
N/A	Dipole	Tenda	2.37	Band 1
			1.43	Band 3
			2.11	Band 7
			-0.28	Band 8
			0.89	Band 20
			-2.27	Band 28
			2.50	Band 38
			0.56	Band 40

- (1) Compared with module report (2211RSU025-E3, 2211RSU025-E2), the output power has been re-evaluated. It was found that the output power of module was the worst case. Thus, only the radiated spurious emissions was evaluated and recorded in this report. For the test results of all other test items please refer to above module test report.
- (2) The antenna gain is provided by the manufacturer.

2. TEST ENVIRONMENT AND DESCRIPTION

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-CB12** at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong, China.


2.2 MEASUREMENT UNCERTAINTY

Measurement Uncertainty for a Level of Confidence of 95 %, $U=2 \times U_c(y)$

Parameter	Uncertainty
Spurious Emissions, Radiated $30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$	$\pm 3.58 \text{ dB}$
Spurious Emissions, Radiated $1 \text{ GHz} < f \leq 18 \text{ GHz}$	$\pm 3.78 \text{ dB}$

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	N300 Wi-Fi 4G LTE Router	
Brand Name	Tenda	
Test Model	4G03 Pro	
Series Model	4G05	
Model Difference(s)	Only differ in model name.	
RF Module Model	EC200A-EL	
Power Source	DC Voltage supplied from AC adapter. 1# Model: BN003-A05009E(EU) 2# Model: BN003-A05009B(UK) Only differ in plug.	
Power Rating	I/P: 100-240V ~ 50/60Hz 0.3A O/P: 9V  0.6A	
Operation Frequency Bands	LTE Band 1: Uplink: 1920-1980 MHz, Downlink: 2110-2170 MHz LTE Band 3: Uplink: 1710-1785 MHz, Downlink: 1805-1880 MHz LTE Band 7: Uplink: 2500-2570 MHz, Downlink: 2620-2690 MHz LTE Band 8: Uplink: 880-915 MHz, Downlink: 925-960 MHz LTE Band 20: Uplink: 832-862 MHz, Downlink: 791-821 MHz LTE Band 28: Uplink: 703-748 MHz, Downlink: 758-803 MHz LTE Band 38: Uplink: 2570-2620 MHz, Downlink: 2570-2620 MHz LTE Band 40: Uplink: 2300-2400 MHz, Downlink: 2300-2400 MHz	
Operation Bands	LTE Band 1 / LTE Band 3 / LTE Band 7 / LTE Band 8 / LTE Band 20 / LTE Band 28 / LTE Band 38 / LTE Band 40	
Modulation Type	UL: QPSK, 16QAM DL: QPSK, 16QAM, 64QAM	
Power Class	3	
IMEI NO.	Radiated	864995060015480 / 864995060084627

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
1	5	18025	18300	18575	1922.5	1950.0	1977.5
1	10	18050	18300	18550	1925.0	1950.0	1975.0
1	15	18075	18300	18525	1927.5	1950.0	1972.5
1	20	18100	18300	18500	1930.0	1950.0	1970.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
3	1.4	19207	19575	19943	1710.7	1747.5	1784.3
3	3	19215	19575	19935	1711.5	1747.5	1783.5
3	5	19225	19575	19925	1712.5	1747.5	1782.5
3	10	19250	19575	19900	1715.0	1747.5	1780.0
3	15	19275	19575	19875	1717.5	1747.5	1777.5
3	20	19300	19575	19850	1720.0	1747.5	1775.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
7	5	20775	21100	21425	2502.5	2535.0	2567.5
7	10	20800	21100	21400	2505.0	2535.0	2565.0
7	15	20825	21100	21375	2507.5	2535.0	2562.5
7	20	20850	21100	21350	2510.0	2535.0	2560.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
8	1.4	21457	21625	21793	880.7	897.5	914.3
8	3	21465	21625	21785	881.5	897.5	913.5
8	5	21475	21625	21775	882.5	897.5	912.5
8	10	21500	21625	21750	885.0	897.5	910.0

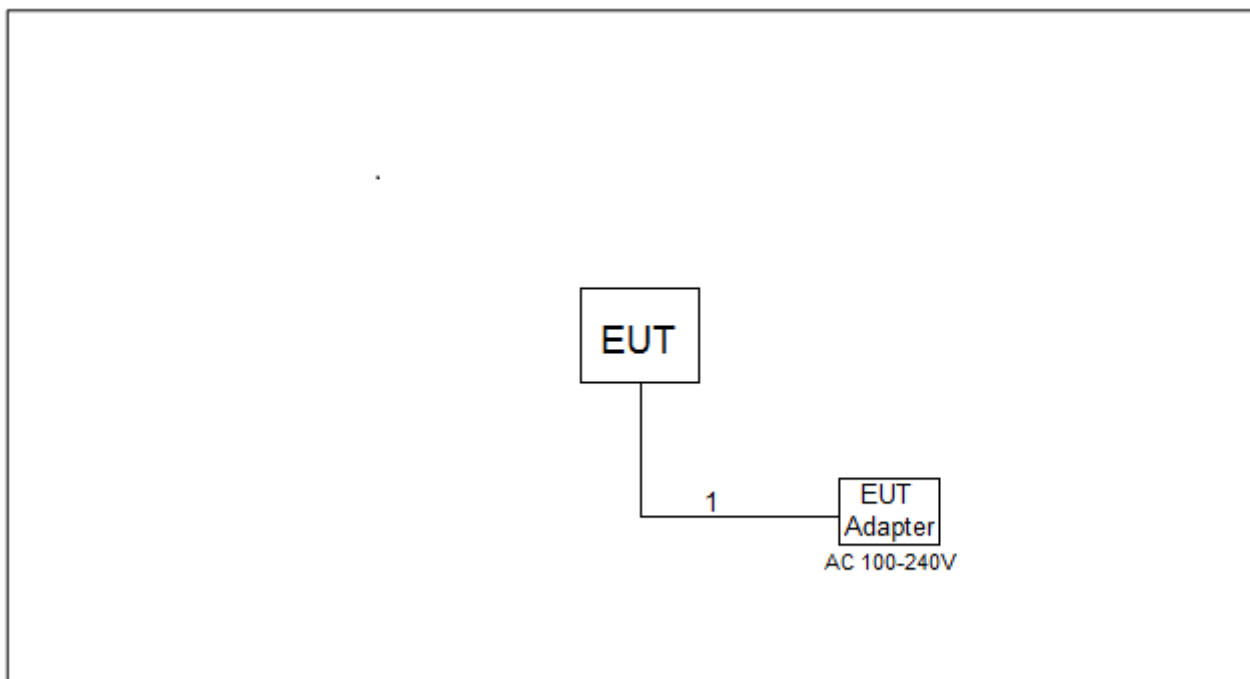
Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
20	5	24175	24300	24425	834.5	847.0	859.5
20	10	24200	24300	24400	837.0	847.0	857.0
20	15	24225	24300	24375	839.5	847.0	854.5
20	20	24250	24300	24350	842.0	847.0	852.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
28	3	27225	27375	27645	704.5	719.5	746.5
28	5	27235	27385	27635	705.5	720.5	745.5
28	10	27260	27410	27610	708.0	723.0	743.0
28	15	27285	27435	27585	710.5	725.5	740.5
28	20	27310	27460	27560	713.0	728.0	738.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
38	5	37775	38000	38225	2572.5	2595.0	2617.5
38	10	37800	38000	38200	2575.0	2595.0	2615.0
38	15	37825	38000	38175	2577.5	2595.0	2612.5
38	20	37850	38000	38150	2580.0	2595.0	2610.0

Band	Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
40	5	38675	39150	39625	2302.5	2350.0	2397.5
40	10	38700	39150	39600	2305.0	2350.0	2395.0
40	15	38725	39150	39575	2307.5	2350.0	2392.5
40	20	38750	39150	39550	2310.0	2350.0	2390.0

3.2 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m

3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4. RADIATED EMISSIONS (UE)

4.1 LIMITS

The frequency boundary and reference bandwidths for the detailed transitions of the limits between the requirements for out-of-band emissions and spurious emissions are based on Recommendations ITU-R SM.329-12 [1] and SM.1539-1 [i.6].

The requirements shown in table 4.2.2.2-1 are only applicable for frequencies in the spurious domain.

Table 4.2.2.2-1: Radiated spurious emissions requirements (UE)

Frequency	Minimum requirement (e.r.p.)/ reference bandwidth idle mode	Minimum requirement (e.r.p.)/ reference bandwidth traffic mode	Applicability
$30 \text{ MHz} \leq f < 1\,000 \text{ MHz}$	-57 dBm/100 kHz	-36 dBm/100 kHz	All
$1 \text{ GHz} \leq f < 12,75 \text{ GHz}$	-47 dBm/1 MHz	-30 dBm/1 MHz	All
$12,75 \text{ GHz} \leq f < 5^{\text{th}}$ harmonic of the upper frequency edge of the Uplink operating band in GHz	-47 dBm/1 MHz	-30 dBm/1 MHz	All (note 3)
$12,75 \text{ GHz} < f < 26 \text{ GHz}$	-47 dBm/1 MHz	-30 dBm/1 MHz	All (note 4)
$f_c - 2,5 \times 5 \text{ MHz} < f < f_c + 2,5 \times 5 \text{ MHz}$ (note 1 and note 2)	Not defined	Not defined	UTRA FDD, UTRA TDD, 3,84 Mcps option, cdma2000, spreading rate 3
$f_c - 2,5 \times \text{BW}_{\text{Channel}} \text{ MHz} < f < f_c + 2,5 \times \text{BW}_{\text{Channel}} \text{ MHz}$ (note 1 and note 2)	Not defined	Not defined	E-UTRA FDD, E-UTRA TDD, Mobile WiMAX™
$f_c - (1,5 \times \text{BW}_{\text{Channel}} + 5) \text{ MHz} < f < f_c + (1,5 \times \text{BW}_{\text{Channel}} + 5) \text{ MHz}$ (note 1)	Not defined	Not defined	NR operating in FR1
$f_c - 2,5 \times 10 \text{ MHz} < f < f_c + 2,5 \times 10 \text{ MHz}$ (note 1 and note 2)	Not defined	Not defined	UTRA TDD, 7,68 Mcps option
$f_c - 4 \text{ MHz} < f < f_c + 4 \text{ MHz}$ (note 1 and note 2)	Not defined	Not defined	UTRA TDD, 1,28 Mcps option cdma2000, spreading rate 1

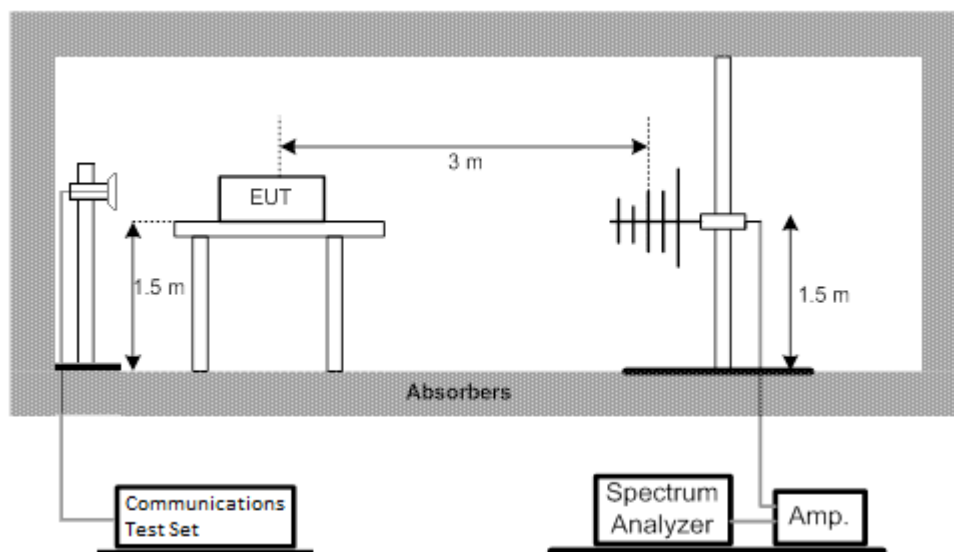
NOTE 1: f_c is the UE transmit centre frequency.
NOTE 2: This frequency range is not in the spurious domain, no requirement is then defined for this frequency range.
NOTE 3: Applies for Band that the upper frequency edge of the Uplink Band more than 2,69 GHz.
NOTE 4: Applies for Band that the upper frequency edge of the Uplink Band more than 5,2 GHz.

4.2 CONFORMANCE

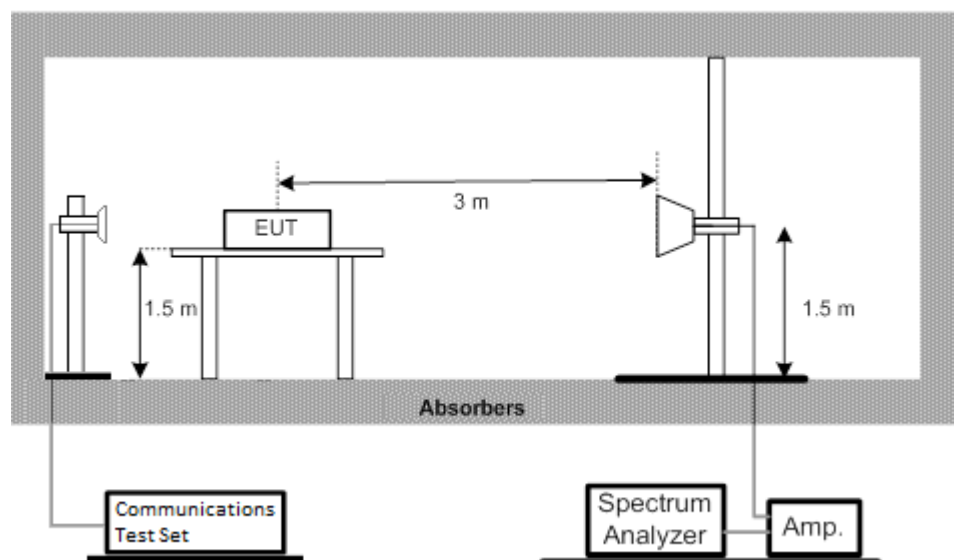
Conformance tests described in EN 301 908-1 clause 5.3.1 shall be carried out.

4.3 TEST SETUP

Radiated Emission Test Set-Up Frequency 30 MHz ~ 1 GHz



Radiated Emission Test Set-Up Frequency Above 1 GHz



4.4 TEST PROCEDURE

Step 1:

The measurement is carried out in the fully anechoic chamber. EUT was placed on a 1.50 meter high nonconductive table at a 3 meter test distance from the test receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT. The height of receiving antenna is 1.50 m and varies in certain range to find the maximum power value. Connect the EUT to the BTS simulator via the air interface. The measurement is carried out using a spectrum analyzer or receiver. Then the antenna height and turn table rotation is adjusted till the maximum power value is founded on spectrum analyzer or receiver. A filter is necessary in the band near to the carrier frequency. A filter is needed to avoid the distortion of the testing equipment in the band above the carrier frequency.

Step 2:

A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT.

The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

Calculation procedure:

The data of cable loss, antenna gain and air loss has been calibrated in full testing frequency range before the testing.

The power of the Radiated Spurious Emissions is calculated by adding the cable loss, antenna gain and air loss. The basic equation with a sample calculation is as followed:

$$P=PR+LC+LA-G$$

Where

P: Power of the Radiated Spurious Emissions (dBm)

PR: reading of the receiver (dBm)

LC: Cable Lose and power amilifer gain and filter cable loss (dB)

LA: Air loss (dB)

G: Antenna Gain (dBi)

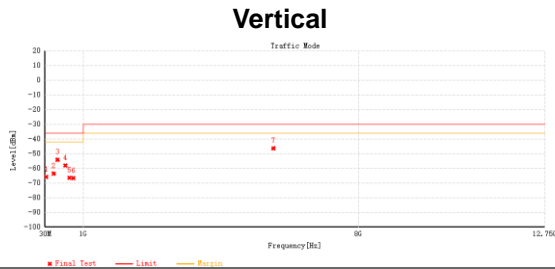
4.5 TEST MODES

Band	Test conditions	Bandwidth (MHz)	RB	Test Mode	Test Channel	Result
LTE Band 1	NTC	5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 3	NTC	1.4	1	Traffic/Idle	Mid-Channel	Pass
		5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 7	NTC	5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 8	NTC	1.4	1	Traffic/Idle	Mid-Channel	Pass
		5	1	Traffic/Idle	Mid-Channel	Pass
		10	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 20	NTC	5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 28	NTC	3	1	Traffic/Idle	Mid-Channel	Pass
		5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 38	NTC	5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass
LTE Band 40	NTC	5	1	Traffic/Idle	Mid-Channel	Pass
		20	1	Traffic/Idle	Mid-Channel	Pass

Note: After evaluated the maximum power, 1 RB was the worst case so only records it.

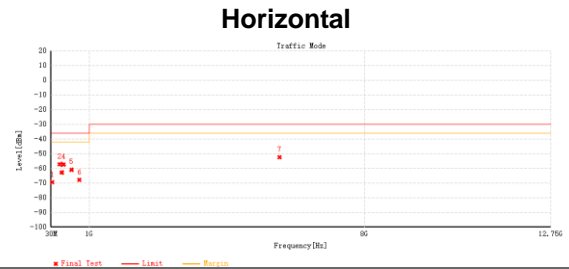
4.6 RADIATED EMISSIONS TRAFFIC MODE MEASUREMENT (UE) RESULTS

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 1



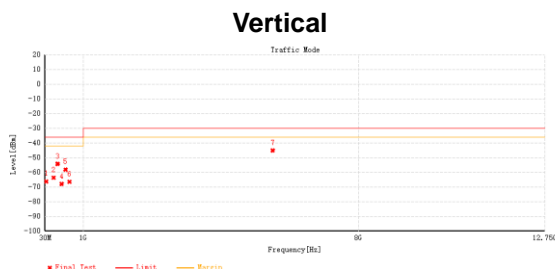
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.137	-65.65	-0.22	-65.87	-36	29.87	FMS	Vertical
2	249.996	-59.81	-3.69	-63.5	-36	27.5	FMS	Vertical
3	350.003	-53.05	-1.12	-54.17	-36	18.17	FMS	Vertical
4	550.017	-60.5	2.54	-57.96	-36	21.96	FMS	Vertical
5	650.024	-71.8	5.39	-66.41	-36	30.41	FMS	Vertical
6	750.031	-74.79	8.14	-66.65	-36	30.65	FMS	Vertical
7	5843.587	-57.01	10.77	-46.24	-30	16.24	FMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 1



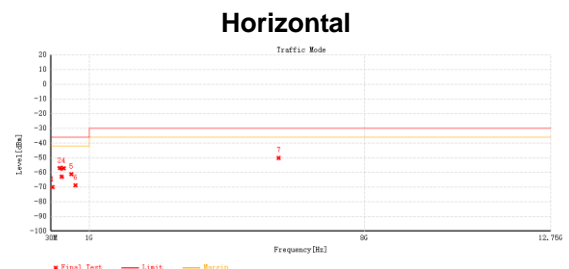
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.204	-64.95	-4.48	-69.43	-36	33.43	FMS	Horizontal
2	249.996	-53.42	-3.71	-57.13	-36	21.13	FMS	Horizontal
3	350.048	-59.85	-2.95	-62.8	-36	26.8	FMS	Horizontal
4	550.003	-56.11	-1.25	-57.36	-36	21.36	FMS	Horizontal
5	550.017	-63.38	2.47	-60.91	-36	24.91	FMS	Horizontal
6	750.031	-75.79	7.9	-67.89	-36	31.89	FMS	Horizontal
7	5843.587	-62.54	10.16	-52.38	-30	22.38	FMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 1



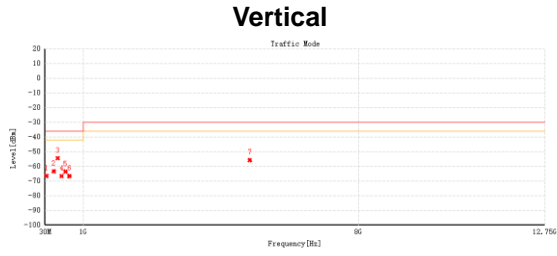
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.01	-65.63	-0.58	-66.19	-36	30.19	FMS	Vertical
2	249.996	-59.85	-3.69	-63.54	-36	27.54	FMS	Vertical
3	350.003	-53.08	-1.12	-54.2	-36	18.2	FMS	Vertical
4	450.01	-67.95	0.02	-67.93	-36	31.93	FMS	Vertical
5	550.017	-60.66	2.54	-58.12	-36	22.12	FMS	Vertical
6	650.024	-71.83	5.39	-66.44	-36	30.44	FMS	Vertical
7	5823.112	-55.73	10.61	-45.12	-30	15.12	FMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 1



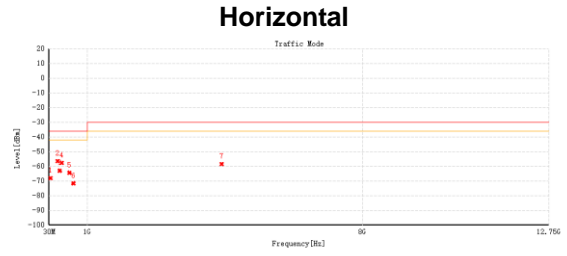
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	66.599	-63.57	-6.34	-69.91	-36	33.91	FMS	Horizontal
2	249.996	-53.36	-3.71	-57.07	-36	21.07	FMS	Horizontal
3	350.048	-59.89	-2.95	-62.84	-36	26.84	FMS	Horizontal
4	350.003	-56.05	-1.25	-57.3	-36	21.3	FMS	Horizontal
5	550.017	-63.68	2.47	-61.21	-36	25.21	FMS	Horizontal
6	650.024	-73.91	5.16	-68.75	-36	32.75	FMS	Horizontal
7	5823.112	-60.17	10.07	-50.1	-30	20.1	FMS	Horizontal

Test Mode : LTE_1.4M 1RB_Traffic Mode_
Mid-Channel_Band 3



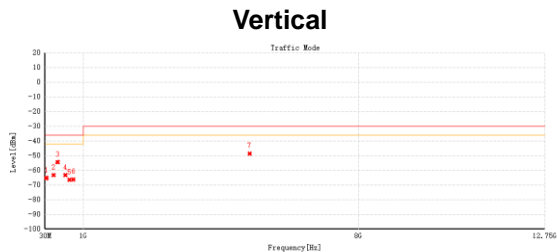
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.592	-65.6	-0.82	-66.42	-36	30.42	FMS	Vertical
2	249.996	-59.63	-3.69	-63.32	-36	27.32	FMS	Vertical
3	350.003	-53.29	-1.12	-54.41	-36	18.41	FMS	Vertical
4	450.01	-66.58	0.02	-66.56	-36	30.56	FMS	Vertical
5	550.017	-66.04	2.54	-63.5	-36	27.5	FMS	Vertical
6	650.024	-71.98	5.39	-66.59	-36	30.59	FMS	Vertical
7	5242.5	-64.87	9.1	-55.77	-36	25.77	FMS	Vertical

Test Mode : LTE_1.4M 1RB_Traffic Mode_
Mid-Channel_Band 3



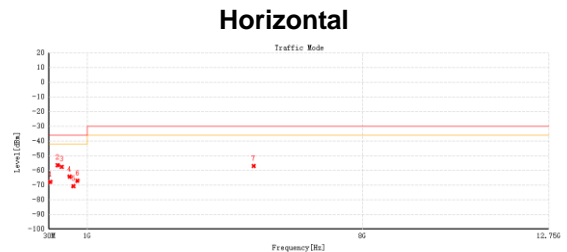
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.756	-62.83	-5.14	-67.97	-36	31.97	FMS	Horizontal
2	249.996	-52.73	-3.71	-56.44	-36	20.44	FMS	Horizontal
3	350.048	-59.89	-2.95	-62.84	-36	26.84	FMS	Horizontal
4	350.003	-56.24	-1.25	-57.49	-36	21.49	FMS	Horizontal
5	550.017	-66.78	2.47	-64.31	-36	28.31	FMS	Horizontal
6	650.024	-76.59	5.16	-71.43	-36	35.43	FMS	Horizontal
7	4420.087	-67.97	9.64	-58.33	-36	28.33	FMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 3



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.428	-64.89	-0.34	-65.2	-36	29.2	FMS	Vertical
2	249.996	-59.5	-3.69	-63.19	-36	27.19	FMS	Vertical
3	350.003	-53.12	-1.12	-54.24	-36	18.24	FMS	Vertical
4	550.017	-65.78	2.54	-63.24	-36	27.24	FMS	Vertical
5	650.024	-71.84	5.39	-66.45	-36	30.45	FMS	Vertical
6	750.031	-74.22	8.14	-66.08	-36	30.08	FMS	Vertical
7	5235.675	-57.62	9.1	-48.52	-36	18.52	FMS	Vertical

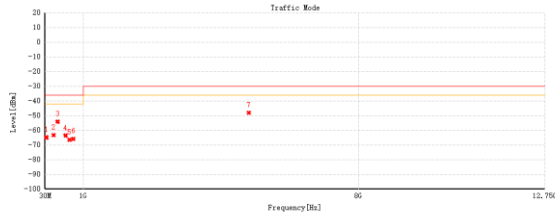
Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 3



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.495	-63.31	-4.6	-67.91	-36	31.91	FMS	Horizontal
2	249.996	-52.79	-3.71	-56.5	-36	20.5	FMS	Horizontal
3	350.003	-56.3	-1.25	-57.55	-36	21.55	FMS	Horizontal
4	550.017	-66.73	2.47	-64.26	-36	28.26	FMS	Horizontal
5	650.024	-75.83	5.16	-70.67	-36	34.67	FMS	Horizontal
6	750.031	-75.02	7.9	-67.12	-36	31.12	FMS	Horizontal
7	5235.675	-66.06	9.01	-57.05	-36	27.05	FMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 3

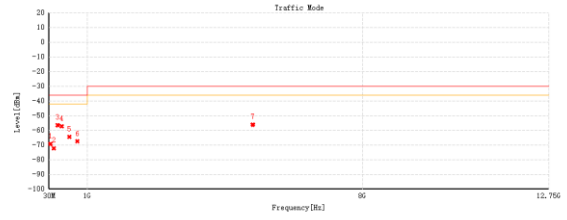
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.428	-64.44	-0.34	-64.78	-36	28.78	FMS	Vertical
2	249.996	-59.52	-3.69	-63.21	-36	27.21	FMS	Vertical
3	350.003	-53	-1.12	-54.12	-36	18.12	FMS	Vertical
4	550.017	-66.01	2.54	-63.47	-36	27.47	FMS	Vertical
5	650.024	-71.78	5.39	-66.39	-36	30.39	FMS	Vertical
6	750.031	-73.9	8.14	-65.76	-36	29.76	FMS	Vertical
7	5215.688	-57.09	9.08	-48.01	-30	18.01	FMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 3

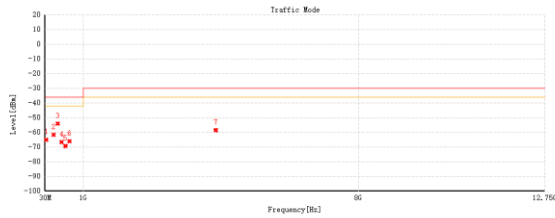
Horizontal



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	65.89	-63.28	-6.05	-69.33	-36	33.33	FMS	Horizontal
2	149.989	-63.52	-8.54	-72.06	-36	36.06	FMS	Horizontal
3	249.996	-52.79	-3.71	-56.5	-36	20.5	FMS	Horizontal
4	350.003	-56.03	-1.25	-57.28	-36	21.28	FMS	Horizontal
5	550.017	-66.8	2.47	-64.33	-36	28.33	FMS	Horizontal
6	750.031	-75.36	7.9	-67.46	-36	31.46	FMS	Horizontal
7	5215.688	-65.11	8.95	-56.16	-30	26.16	FMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 7

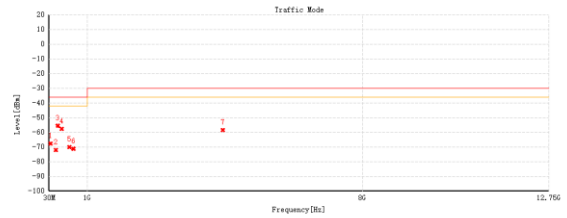
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.01	-64.37	-0.58	-64.95	-36	28.95	FMS	Vertical
2	249.996	-57.92	-3.69	-61.61	-36	25.61	FMS	Vertical
3	350.003	-52.97	-1.12	-54.09	-36	18.09	FMS	Vertical
4	450.01	-66.53	0.02	-66.51	-36	30.51	FMS	Vertical
5	550.017	-71.83	2.54	-69.29	-36	33.29	FMS	Vertical
6	650.024	-71.42	5.39	-66.03	-36	30.03	FMS	Vertical
7	4371.337	-67.97	9.56	-58.41	-30	28.41	FMS	Vertical

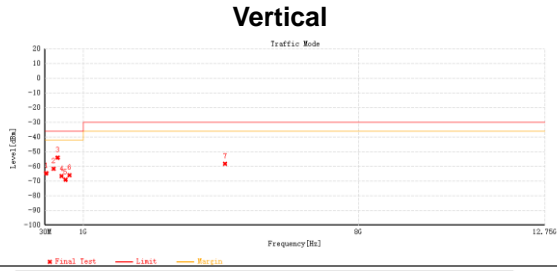
Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 7

Horizontal



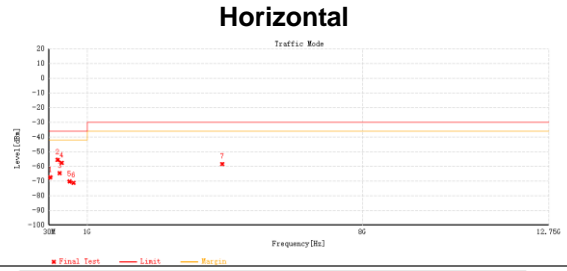
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.465	-62.59	-5.02	-57.61	-36	31.61	FMS	Horizontal
2	200.041	-65.58	-6.45	-72.03	-36	36.03	FMS	Horizontal
3	249.996	-51.73	-3.71	-55.44	-36	19.44	FMS	Horizontal
4	350.003	-56.35	-1.25	-57.6	-36	21.6	FMS	Horizontal
5	550.017	-72.43	2.47	-69.96	-36	33.96	FMS	Horizontal
6	650.024	-76.22	5.16	-71.06	-36	35.06	FMS	Horizontal
7	4451.288	-68.27	9.76	-58.51	-30	28.51	FMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 7



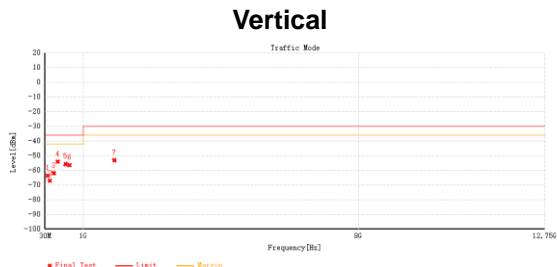
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	60.361	-64.86	0.1	-64.76	-36	28.76	FMS	Vertical
2	249.996	-57.86	-3.69	-61.55	-36	25.55	FMS	Vertical
3	350.003	-53.02	-1.12	-54.14	-36	18.14	FMS	Vertical
4	450.01	-66.64	0.02	-66.62	-36	30.62	FMS	Vertical
5	550.017	-71.59	2.54	-69.05	-36	33.05	FMS	Vertical
6	650.024	-71.39	5.39	-66	-36	30	FMS	Vertical
7	4612.65	-67.95	9.73	-58.22	-30	28.22	FMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 7



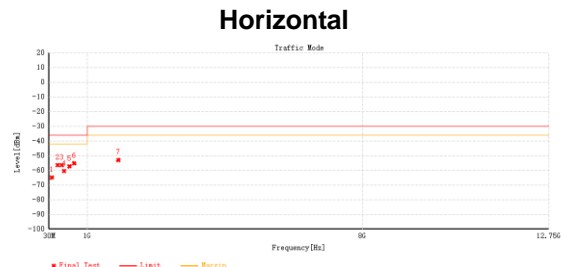
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.592	-62.88	-4.64	-67.52	-36	31.52	FMS	Horizontal
2	249.996	-51.78	-3.71	-55.49	-36	19.49	FMS	Horizontal
3	299.951	-61.73	-2.95	-64.68	-36	28.68	FMS	Horizontal
4	350.003	-56.43	-1.25	-57.68	-36	21.68	FMS	Horizontal
5	550.017	-72.74	2.47	-70.27	-36	34.27	FMS	Horizontal
6	650.024	-76.27	5.16	-71.11	-36	35.11	FMS	Horizontal
7	4437.15	-68.17	9.71	-58.46	-30	28.46	FMS	Horizontal

Test Mode : LTE_1.4M 1RB_Traffic Mode_
Mid-Channel_Band 8



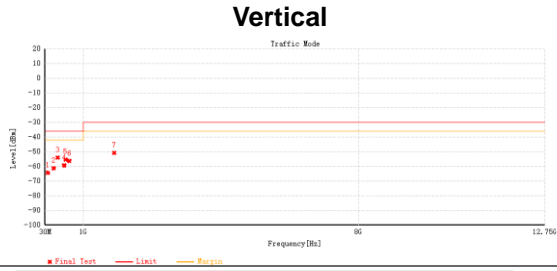
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	97.221	-71.35	7.79	-63.56	-36	27.56	FMS	Vertical
2	149.989	-69.98	2.98	-67	-36	31	FMS	Vertical
3	249.996	-67.96	6.13	-61.83	-36	25.83	FMS	Vertical
4	350.003	-62.66	8.62	-54.04	-36	18.04	FMS	Vertical
5	550.017	-68.05	12.3	-55.75	-36	19.75	FMS	Vertical
6	652.158	-71.51	15.19	-56.32	-36	20.32	FMS	Vertical
7	1794.887	-56.17	3.05	-53.12	-30	23.12	FMS	Vertical

Test Mode : LTE_1.4M 1RB_Traffic Mode_
Mid-Channel_Band 8



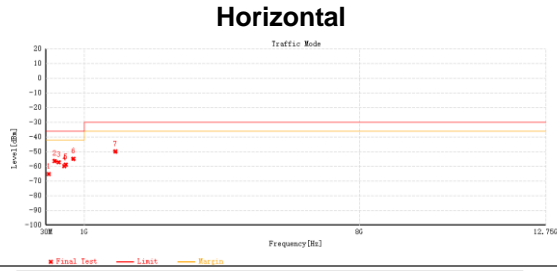
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	100.228	-71.72	6.94	-64.88	-36	28.88	FMS	Horizontal
2	249.996	-62.51	6.11	-56.4	-36	20.4	FMS	Horizontal
3	350.003	-64.77	8.49	-56.28	-36	20.28	FMS	Horizontal
4	414.993	-70.33	9.9	-60.43	-36	24.43	FMS	Horizontal
5	550.017	-69.53	12.23	-57.3	-36	21.3	FMS	Horizontal
6	668.551	-70.3	15.2	-55.1	-36	19.1	FMS	Horizontal
7	1794.887	-55.94	3.11	-52.83	-30	22.83	FMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 8



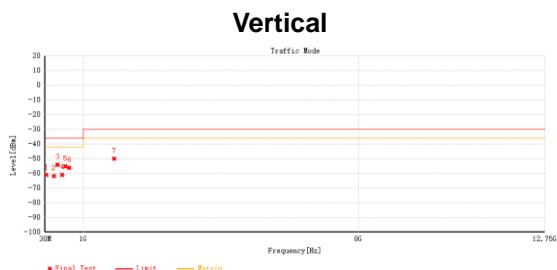
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	100.034	-72.46	8.16	-64.3	-36	28.3	FMS	Vertical
2	249.996	-67.41	6.13	-61.28	-36	25.28	FMS	Vertical
3	350.003	-62.64	8.62	-54.02	-36	18.02	FMS	Vertical
4	515.679	-71.56	12.19	-59.37	-36	23.37	FMS	Vertical
5	550.017	-67.67	12.3	-55.37	-36	19.37	FMS	Vertical
6	645.368	-71.4	15.07	-56.33	-36	20.33	FMS	Vertical
7	1790.775	-53.77	2.97	-50.8	-30	20.8	FMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 8



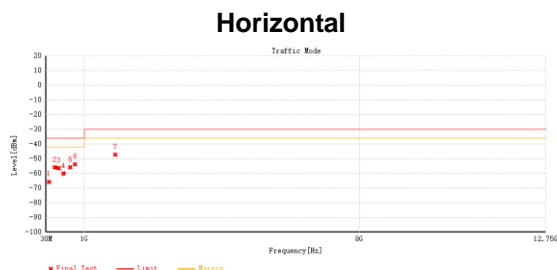
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	96.251	-71.23	6.02	-65.21	-36	29.21	FMS	Horizontal
2	249.996	-62.41	6.11	-56.3	-36	20.3	FMS	Horizontal
3	350.003	-65.77	8.49	-57.28	-36	21.28	FMS	Horizontal
4	498.898	-71.85	12.07	-59.78	-36	23.78	FMS	Horizontal
5	533.818	-70.92	12.13	-58.79	-36	22.79	FMS	Horizontal
6	720.349	-71.32	16.49	-54.83	-36	18.83	FMS	Horizontal
7	1790.775	-52.87	3.04	-49.83	-30	19.83	FMS	Horizontal

Test Mode : LTE_10M 1RB_Traffic Mode_
Mid-Channel_Band 8



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	59.682	-71.2	10.16	-61.04	-36	25.04	FMS	Vertical
2	249.996	-67.89	6.13	-61.76	-36	25.76	FMS	Vertical
3	350.003	-63.78	8.62	-55.16	-36	19.16	FMS	Vertical
4	465.142	-71.56	10.58	-60.98	-36	24.98	FMS	Vertical
5	550.017	-67.46	12.3	-55.16	-36	19.16	FMS	Vertical
6	644.01	-71.23	15.04	-56.17	-36	20.17	FMS	Vertical
7	1786.075	-52.81	2.87	-49.94	-30	19.94	FMS	Vertical

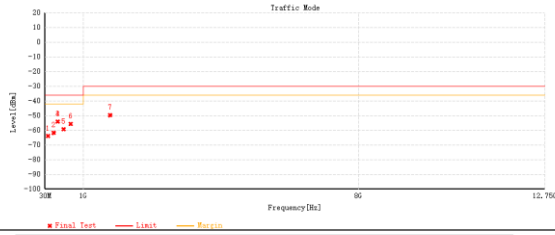
Test Mode : LTE_10M 1RB_Traffic Mode_
Mid-Channel_Band 8



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	101.974	-72.3	6.51	-65.79	-36	29.79	FMS	Horizontal
2	249.996	-61.98	6.11	-55.87	-36	19.87	FMS	Horizontal
3	350.003	-65.03	8.49	-56.54	-36	20.54	FMS	Horizontal
4	473.29	-71.19	11.04	-60.15	-36	24.15	FMS	Horizontal
5	648.278	-70.73	14.91	-55.82	-36	19.82	FMS	Horizontal
6	764.969	-71.47	17.68	-53.79	-36	17.79	FMS	Horizontal
7	1786.075	-50.13	2.96	-47.17	-30	17.17	FMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 20

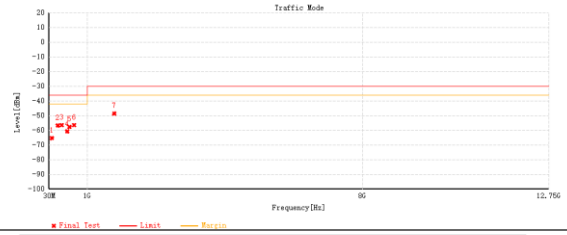
Vertical



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	101.974	-71.5	7.7	-63.8	-36	27.8	FMS	Vertical
2	249.996	-67.81	6.13	-61.68	-36	25.68	FMS	Vertical
3	350.003	-62.55	8.62	-53.93	-36	17.93	FMS	Vertical
4	350.003	-62.55	8.62	-53.93	-36	17.93	FMS	Vertical
5	501.42	-71.55	12.21	-59.34	-36	23.34	FMS	Vertical
6	680.967	-71.24	15.62	-55.62	-36	19.62	FMS	Vertical
7	1689.725	-50.67	1.06	-49.61	-30	19.61	FMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 20

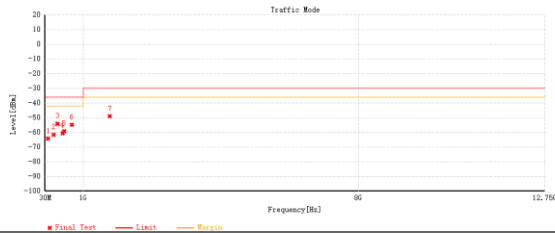
Horizontal



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	100.81	-72.03	6.73	-65.3	-36	29.3	FMS	Horizontal
2	249.996	-62.77	6.11	-56.66	-36	20.66	FMS	Horizontal
3	350.003	-64.86	8.49	-56.37	-36	20.37	FMS	Horizontal
4	490.265	-72.41	11.72	-60.69	-36	24.69	FMS	Horizontal
5	550.017	-69.9	12.23	-57.67	-36	21.67	FMS	Horizontal
6	665.059	-71.45	15.14	-56.31	-36	20.31	FMS	Horizontal
7	1689.137	-49.68	1.18	-48.5	-30	18.5	FMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 20

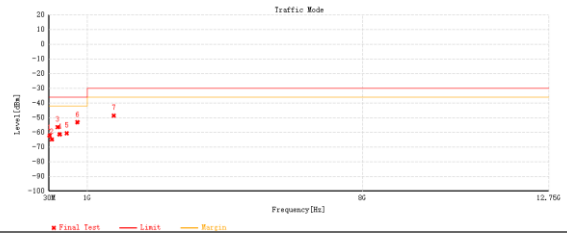
Vertical



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	106.533	-70.87	6.62	-64.25	-36	28.25	FMS	Vertical
2	249.996	-67.66	6.13	-61.55	-36	25.55	FMS	Vertical
3	350.003	-62.78	8.62	-54.16	-36	18.16	FMS	Vertical
4	476.103	-71.59	11.06	-60.53	-36	24.53	FMS	Vertical
5	915.194	-71.42	12.19	-59.23	-36	23.23	FMS	Vertical
6	707.157	-71.03	16.2	-54.83	-36	18.83	FMS	Vertical
7	1676.213	-50.04	0.92	-49.12	-30	19.12	FMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 20

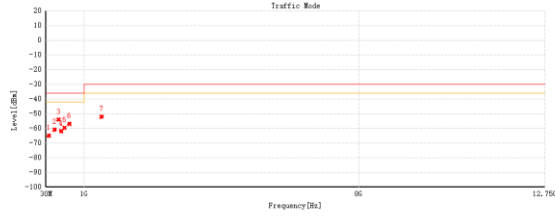
Horizontal



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	41.058	-72.33	10.19	-62.14	-36	26.14	FMS	Horizontal
2	102.653	-71.13	6.28	-64.75	-36	28.75	FMS	Horizontal
3	249.996	-62.46	6.11	-56.35	-36	20.35	FMS	Horizontal
4	300.048	-68.08	6.87	-61.21	-36	25.21	FMS	Horizontal
5	478.425	-71.72	11.24	-60.48	-36	24.48	FMS	Horizontal
6	749.74	-70.88	17.74	-53.14	-36	17.14	FMS	Horizontal
7	1676.213	-49.3	0.76	-48.54	-30	18.54	FMS	Horizontal

Test Mode : LTE_3M 1RB_Traffic Mode_
Mid-Channel_Band 28

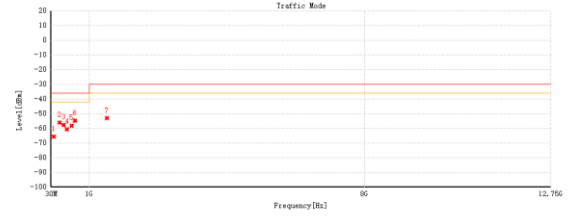
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	103.332	-72.24	7.38	-64.86	-36	28.86	RMS	Vertical
2	249.996	-67.03	6.13	-60.9	-36	24.9	RMS	Vertical
3	350.003	-62.51	8.62	-53.89	-36	17.89	RMS	Vertical
4	414.993	-71.67	9.8	-61.87	-36	25.87	RMS	Vertical
5	498.316	-71.7	12.13	-59.57	-36	23.57	RMS	Vertical
6	626.453	-71.52	14.65	-56.87	-36	20.87	RMS	Vertical
7	1449.438	-51.83	-0.22	-52.05	-30	22.05	RMS	Vertical

Test Mode : LTE_3M 1RB_Traffic Mode_
Mid-Channel_Band 28

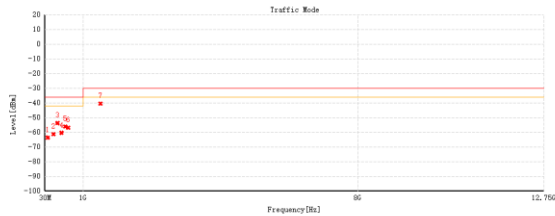
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	97.512	-71.91	6.31	-65.6	-36	29.6	RMS	Horizontal
2	249.996	-62.11	6.11	-56	-36	20	RMS	Horizontal
3	350.003	-66.21	8.49	-57.72	-36	21.72	RMS	Horizontal
4	438.758	-70.69	10.12	-60.57	-36	24.57	RMS	Horizontal
5	550.017	-70.41	12.23	-58.18	-36	22.18	RMS	Horizontal
6	637.317	-69.38	14.73	-54.65	-36	18.65	RMS	Horizontal
7	1450.025	-52.62	-0.43	-53.05	-30	23.05	RMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 28

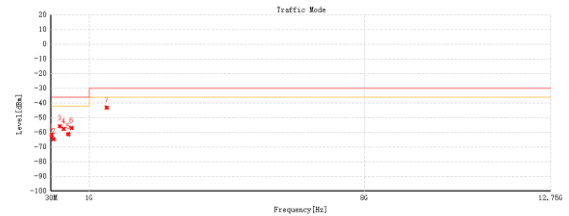
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	103.235	-70.97	7.4	-63.57	-36	27.57	RMS	Vertical
2	249.996	-67.32	6.13	-61.19	-36	25.19	RMS	Vertical
3	350.003	-62.35	8.62	-53.73	-36	17.73	RMS	Vertical
4	450.01	-70.2	9.89	-60.31	-36	24.31	RMS	Vertical
5	550.017	-68.24	12.5	-55.94	-36	19.94	RMS	Vertical
6	618.499	-71.25	14.46	-56.79	-36	20.79	RMS	Vertical
7	1446.5	-40.26	-0.18	-40.44	-30	10.44	RMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 28

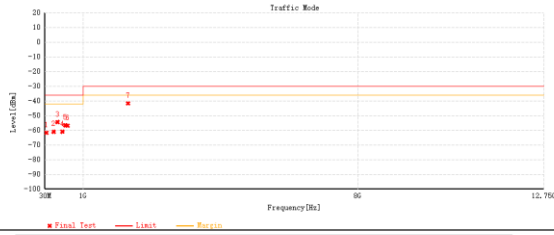
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	42.513	-71.95	10.17	-61.78	-36	25.78	RMS	Horizontal
2	95.281	-70.54	5.79	-64.55	-36	28.55	RMS	Horizontal
3	249.996	-61.89	6.11	-55.78	-36	19.78	RMS	Horizontal
4	350.003	-66.14	8.49	-57.65	-36	21.65	RMS	Horizontal
5	464.289	-71.89	10.71	-61.18	-36	25.18	RMS	Horizontal
6	550.017	-69.25	12.23	-57.02	-36	21.02	RMS	Horizontal
7	1446.5	-42.71	-0.37	-43.08	-30	13.08	RMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 28

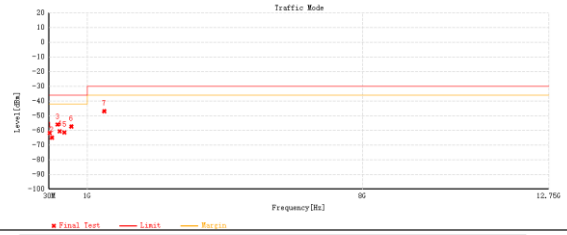
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	66.569	-69.08	7.4	-61.68	-36	25.68	RMS	Vertical
2	249.996	-67.08	6.13	-60.95	-36	24.95	RMS	Vertical
3	350.003	-62.85	8.62	-54.23	-36	18.23	RMS	Vertical
4	477.267	-71.93	11.11	-60.82	-36	24.82	RMS	Vertical
5	550.017	-68.8	12.3	-56.5	-36	20.5	RMS	Vertical
6	607.15	-71.04	14.2	-56.84	-36	20.84	RMS	Vertical
7	2149.738	-68.27	6.65	-61.62	-36	11.62	RMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 28

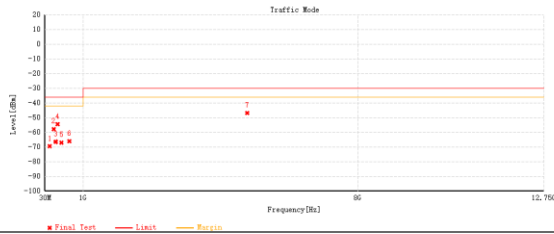
Horizontal



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	45.714	-71.78	10.12	-61.66	-36	25.66	RMS	Horizontal
2	99.743	-71.76	6.82	-64.94	-36	28.94	RMS	Horizontal
3	249.996	-62.07	6.11	-55.96	-36	19.96	RMS	Horizontal
4	300.048	-67.37	6.87	-60.5	-36	24.5	RMS	Horizontal
5	420.037	-71.29	9.92	-61.37	-36	25.37	RMS	Horizontal
6	597.644	-71.18	13.95	-57.23	-36	21.23	RMS	Horizontal
7	1432.988	-66.77	-0.14	-66.91	-36	16.91	RMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 38

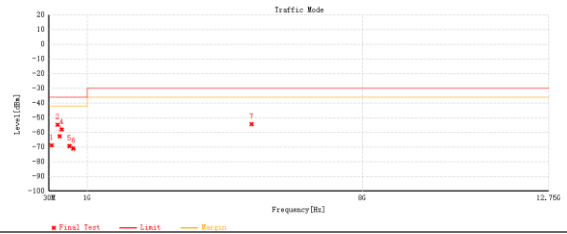
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	149.989	-62.58	-5.89	-68.47	-36	32.47	RMS	Vertical
2	249.996	-54.1	-3.69	-57.79	-36	21.79	RMS	Vertical
3	300.048	-63.09	-3.3	-66.39	-36	30.39	RMS	Vertical
4	350.003	-53.17	-1.12	-54.29	-36	18.29	RMS	Vertical
5	450.01	-66.91	0.02	-66.89	-36	30.89	RMS	Vertical
6	650.024	-71.35	5.39	-66.96	-36	29.96	RMS	Vertical
7	5184.975	-55.8	8.98	-64.82	-36	16.82	RMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 38

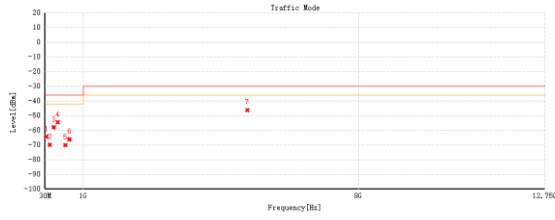
Horizontal



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	97.124	-65.07	-3.63	-68.7	-36	32.7	RMS	Horizontal
2	249.996	-51.05	-3.71	-54.76	-36	18.76	RMS	Horizontal
3	300.048	-59.68	-2.95	-62.63	-36	26.63	RMS	Horizontal
4	350.003	-56.75	-1.25	-58	-36	22	RMS	Horizontal
5	550.017	-71.76	2.47	-69.29	-36	33.29	RMS	Horizontal
6	650.024	-76.12	5.16	-70.96	-36	34.96	RMS	Horizontal
7	5185.462	-63.23	8.82	-54.41	-36	24.41	RMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 38

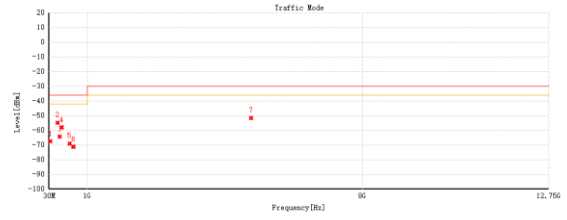
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.137	-64.02	-0.22	-64.24	-36	28.24	RMS	Vertical
2	149.989	-62.79	-6.89	-69.68	-36	33.68	RMS	Vertical
3	249.996	-54.16	-3.69	-57.85	-36	21.85	RMS	Vertical
4	350.003	-53.38	-1.12	-54.5	-36	18.5	RMS	Vertical
5	550.017	-72.48	2.54	-69.94	-36	33.94	RMS	Vertical
6	650.024	-71.53	5.39	-66.14	-36	30.14	RMS	Vertical
7	5172.3	-55.08	8.9	-46.18	-30	16.18	RMS	Vertical

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 38

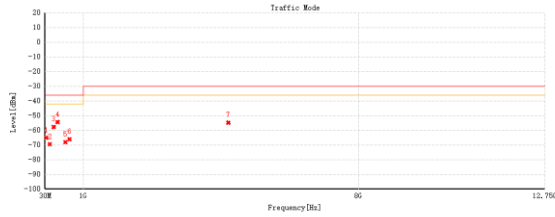
Horizontal



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	62.98	-62.59	-4.81	-67.4	-36	31.4	RMS	Horizontal
2	249.996	-51.02	-3.71	-54.73	-36	18.73	RMS	Horizontal
3	300.048	-61.36	-2.95	-64.31	-36	28.31	RMS	Horizontal
4	350.003	-56.61	-1.25	-57.86	-36	21.86	RMS	Horizontal
5	550.017	-71.46	2.47	-68.99	-36	32.99	RMS	Horizontal
6	650.024	-76.2	5.16	-71.04	-36	35.04	RMS	Horizontal
7	5171.813	-60.35	8.73	-51.62	-30	21.62	RMS	Horizontal

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 40

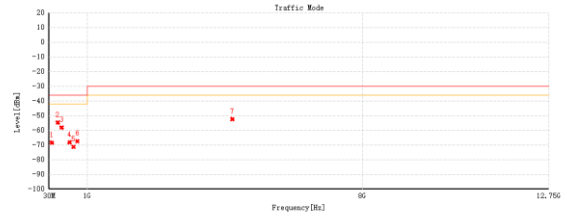
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.622	-64.63	-0.42	-65.05	-36	29.05	RMS	Vertical
2	149.989	-62.55	-6.89	-69.44	-36	33.44	RMS	Vertical
3	249.996	-53.99	-3.69	-57.68	-36	21.68	RMS	Vertical
4	350.003	-53.15	-1.12	-54.27	-36	18.27	RMS	Vertical
5	550.017	-70.58	2.54	-68.04	-36	32.04	RMS	Vertical
6	650.024	-71.33	5.39	-66.94	-36	29.94	RMS	Vertical
7	4695.525	-64	9.27	-54.73	-30	24.73	RMS	Vertical

Test Mode : LTE_5M 1RB_Traffic Mode_
Mid-Channel_Band 40

Horizontal

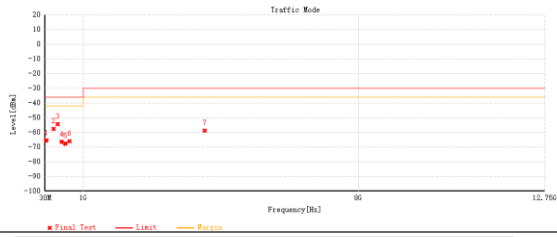


#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	100.525	-65.27	-3.03	-68.3	-36	32.3	RMS	Horizontal
2	249.996	-50.95	-3.71	-54.66	-36	18.66	RMS	Horizontal
3	350.003	-56.87	-1.25	-58.12	-36	22.12	RMS	Horizontal
4	550.017	-70.6	2.47	-68.13	-36	32.13	RMS	Horizontal
5	650.024	-76.37	5.16	-71.21	-36	35.21	RMS	Horizontal
6	750.031	-75.29	7.9	-67.39	-36	31.39	RMS	Horizontal
7	4695.525	-61.19	8.77	-52.32	-30	22.32	RMS	Horizontal

Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 40

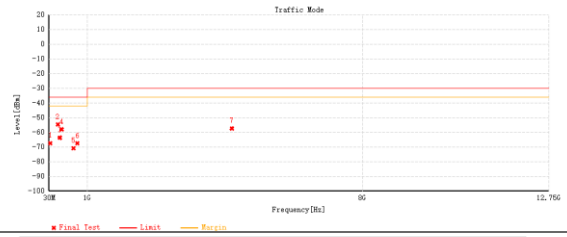
Test Mode : LTE_20M 1RB_Traffic Mode_
Mid-Channel_Band 40

Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	60.458	-65.63	0.06	-65.57	-36	29.57	FMS	Vertical
2	249.996	-53.84	-3.69	-57.53	-36	21.53	FMS	Vertical
3	350.003	-53.3	-1.12	-54.42	-36	18.42	FMS	Vertical
4	450.01	-66.43	0.02	-66.41	-36	30.41	FMS	Vertical
5	550.017	-70.23	2.54	-67.69	-36	31.69	FMS	Vertical
6	650.024	-71.34	5.39	-65.95	-36	29.95	FMS	Vertical
7	4091.025	-67.35	8.61	-58.74	-30	28.74	FMS	Vertical

Horizontal



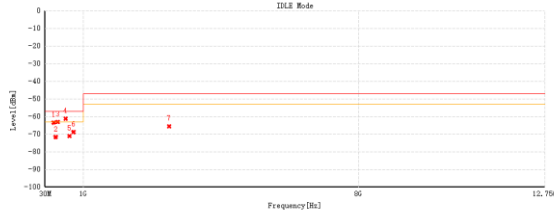
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	61.816	-63.01	-4.31	-67.32	-36	31.32	FMS	Horizontal
2	249.996	-50.91	-3.71	-54.62	-36	18.62	FMS	Horizontal
3	300.048	-60.64	-2.95	-63.59	-36	27.59	FMS	Horizontal
4	350.003	-56.6	-1.25	-57.85	-36	21.85	FMS	Horizontal
5	650.024	-75.92	5.16	-70.76	-36	34.76	FMS	Horizontal
6	750.031	-75.4	7.9	-67.5	-36	31.5	FMS	Horizontal
7	4681.875	-66.24	8.97	-57.27	-30	27.27	FMS	Horizontal

4.7 RADIATED EMISSIONS IDLE MODE MEASUREMENT (UE) RESULTS

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 1

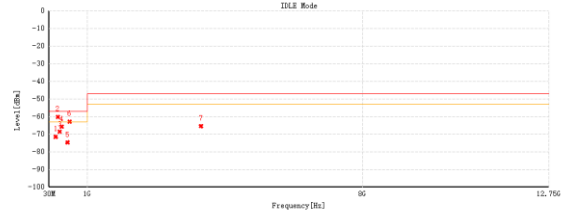
Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 1

Vertical



No.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-59.71	-3.69	-63.4	-57	6.4	RMS	Vertical
2	299.951	-68.33	-3.3	-71.63	-57	14.63	RMS	Vertical
3	350.003	-61.89	-1.12	-63.01	-57	6.01	RMS	Vertical
4	550.017	-63.7	2.54	-61.16	-57	4.16	RMS	Vertical
5	650.024	-76.39	5.39	-71	-57	14	RMS	Vertical
6	750.031	-76.82	8.14	-68.68	-57	11.68	RMS	Vertical
7	3185.5	-60.28	-0.18	-60.46	-47	18.46	RMS	Vertical

Horizontal

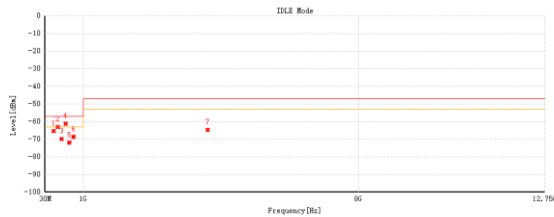


No.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.02	-6.45	-71.47	-57	14.47	RMS	Horizontal
2	249.996	-56.42	-3.71	-60.13	-57	3.13	RMS	Horizontal
3	299.951	-65.57	-2.95	-68.52	-57	11.52	RMS	Horizontal
4	350.003	-64.49	-1.25	-65.74	-57	8.74	RMS	Horizontal
5	499.965	-76.9	2.37	-74.53	-57	17.53	RMS	Horizontal
6	550.017	-65.27	2.47	-62.8	-57	5.8	RMS	Horizontal
7	3898.137	-61.26	-4.19	-65.45	-47	18.45	RMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 1

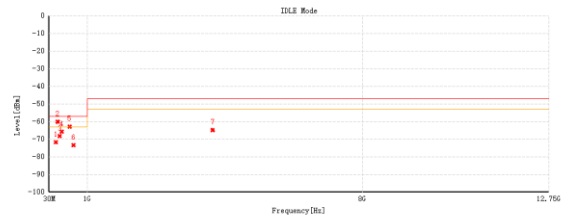
Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 1

Vertical



No.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-61.63	-3.69	-65.32	-57	8.32	RMS	Vertical
2	350.003	-61.79	-1.12	-62.91	-57	5.91	RMS	Vertical
3	450.01	-69.84	0.02	-69.82	-57	12.82	RMS	Vertical
4	550.017	-63.7	2.54	-61.16	-57	4.16	RMS	Vertical
5	650.024	-77.24	5.39	-71.85	-57	14.85	RMS	Vertical
6	750.031	-76.78	8.14	-68.64	-57	11.64	RMS	Vertical
7	4169.563	-61.73	-2.84	-64.57	-47	17.57	RMS	Vertical

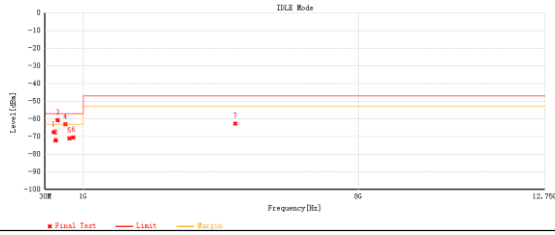
Horizontal



No.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.25	-6.45	-71.7	-57	14.7	RMS	Horizontal
2	249.996	-56.37	-3.71	-60.08	-57	3.08	RMS	Horizontal
3	299.951	-65.27	-2.95	-68.22	-57	11.22	RMS	Horizontal
4	350.003	-64.36	-1.25	-65.61	-57	8.61	RMS	Horizontal
5	550.017	-65.3	2.47	-62.83	-57	5.83	RMS	Horizontal
6	650.024	-78.49	5.16	-73.33	-57	16.33	RMS	Horizontal
7	4194.825	-61.71	-3.08	-64.79	-47	17.79	RMS	Horizontal

Test Mode : LTE_1.4M 1RB_Idle_Mid-Channel_Band 3

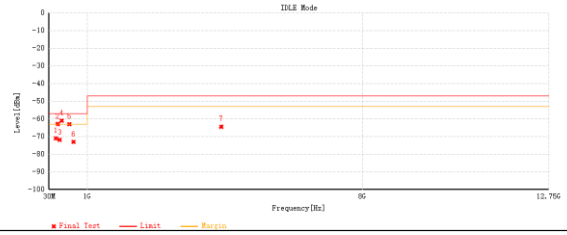
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-63.75	-3.69	-67.44	-57	10.44	FMS	Vertical
2	299.951	-68.71	-3.3	-72.01	-57	15.01	FMS	Vertical
3	350.003	-59.67	-1.12	-60.79	-57	3.79	FMS	Vertical
4	550.017	-65.52	2.54	-62.98	-57	5.98	FMS	Vertical
5	650.024	-76.32	5.39	-70.93	-57	13.93	FMS	Vertical
6	750.031	-78.54	8.14	-70.4	-57	13.4	FMS	Vertical
7	4872.8	-62.67	-0.01	-62.68	-47	15.68	FMS	Vertical

Test Mode : LTE_1.4M 1RB_Idle_Mid-Channel_Band 3

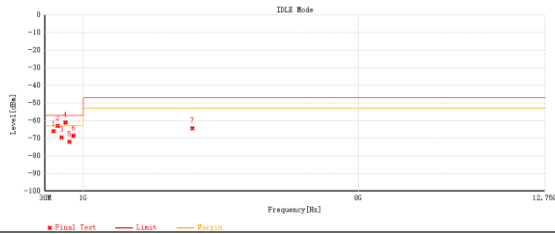
Horizontal



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-64.53	-6.45	-70.98	-57	13.98	FMS	Horizontal
2	249.996	-59.15	-3.71	-62.86	-57	5.86	FMS	Horizontal
3	299.951	-68.89	-2.95	-71.84	-57	14.84	FMS	Horizontal
4	350.003	-59.74	-1.25	-60.99	-57	3.99	FMS	Horizontal
5	550.017	-65.41	2.47	-62.94	-57	5.94	FMS	Horizontal
6	650.024	-78.2	5.16	-73.04	-57	16.04	FMS	Horizontal
7	4409.95	-62.18	-2.27	-64.45	-47	17.45	FMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 3

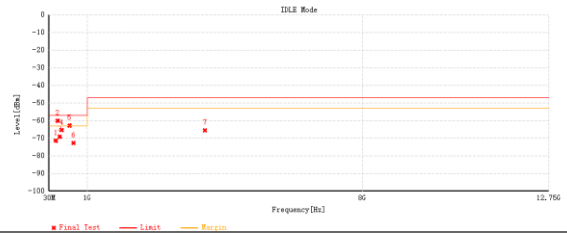
Vertical



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-62.3	-3.69	-65.99	-57	8.99	FMS	Vertical
2	350.003	-61.91	-1.12	-63.03	-57	6.03	FMS	Vertical
3	450.01	-69.48	0.02	-69.46	-57	12.46	FMS	Vertical
4	550.017	-63.62	2.54	-61.08	-57	4.08	FMS	Vertical
5	650.024	-77.41	5.39	-72.02	-57	15.02	FMS	Vertical
6	750.031	-76.74	8.14	-68.6	-57	11.6	FMS	Vertical
7	3778.875	-60.95	-3.48	-64.43	-47	17.43	FMS	Vertical

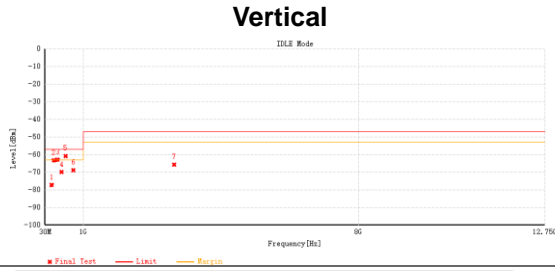
Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 3

Horizontal



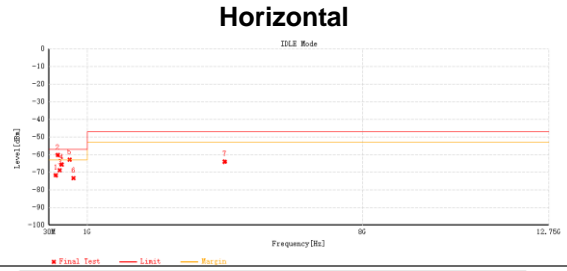
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-64.96	-6.45	-71.41	-57	14.41	FMS	Horizontal
2	249.996	-56.37	-3.71	-60.08	-57	3.08	FMS	Horizontal
3	299.951	-66.09	-2.95	-69.04	-57	12.04	FMS	Horizontal
4	350.003	-64.11	-1.25	-65.36	-57	8.36	FMS	Horizontal
5	550.017	-65.26	2.47	-62.79	-57	5.79	FMS	Horizontal
6	650.024	-77.65	5.16	-72.69	-57	15.69	FMS	Horizontal
7	3995.075	-61.36	-4.07	-65.43	-47	18.43	FMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 3



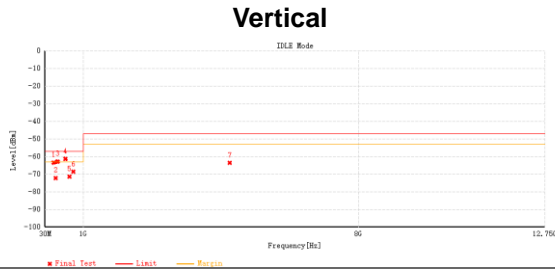
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-71.12	-6.08	-77.2	-57	20.2	FMS	Vertical
2	249.996	-59.52	-3.69	-63.21	-57	6.21	FMS	Vertical
3	350.003	-61.73	-1.12	-62.85	-57	5.85	FMS	Vertical
4	450.01	-69.86	0.02	-69.84	-57	12.84	FMS	Vertical
5	550.017	-63.36	2.54	-60.82	-57	3.82	FMS	Vertical
6	750.031	-76.89	8.14	-68.75	-57	11.75	FMS	Vertical
7	3312.988	-60.48	-5.25	-65.73	-47	18.73	FMS	Vertical

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 3



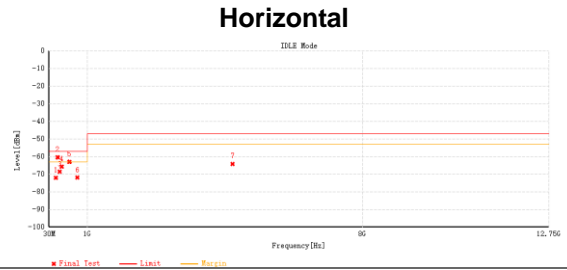
SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.32	-6.45	-71.77	-57	14.77	FMS	Horizontal
2	249.996	-56.49	-3.71	-60.2	-57	3.2	FMS	Horizontal
3	299.951	-65.88	-2.95	-68.83	-57	11.83	FMS	Horizontal
4	350.003	-64.28	-1.25	-65.53	-57	8.53	FMS	Horizontal
5	550.017	-65.31	2.47	-62.84	-57	5.84	FMS	Horizontal
6	650.024	-78.46	5.16	-73.3	-57	16.3	FMS	Horizontal
7	4503.263	-61.97	-2.03	-64	-47	17	FMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 7



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-59.71	-3.69	-63.4	-57	6.4	FMS	Vertical
2	299.951	-68.8	-1.12	-69.92	-57	15.1	FMS	Vertical
3	350.003	-61.7	-1.12	-62.82	-57	5.82	FMS	Vertical
4	550.017	-63.78	2.54	-61.24	-57	4.24	FMS	Vertical
5	650.024	-76.71	8.39	-68.32	-57	11.32	FMS	Vertical
6	750.031	-76.7	8.14	-68.56	-57	11.56	FMS	Vertical
7	4729.45	-62.66	-0.91	-63.57	-47	16.57	FMS	Vertical

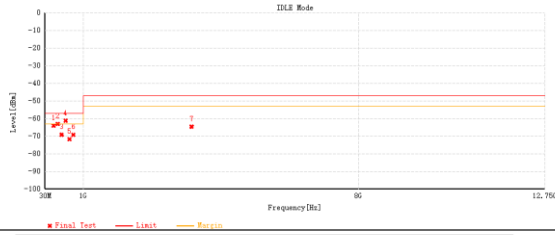
Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 7



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.6	-6.45	-72.05	-57	15.05	FMS	Horizontal
2	249.996	-56.67	-3.71	-60.38	-57	3.38	FMS	Horizontal
3	299.951	-65.55	-2.95	-68.5	-57	11.5	FMS	Horizontal
4	350.003	-64.45	-1.25	-65.7	-57	8.7	FMS	Horizontal
5	550.017	-65.4	2.47	-62.93	-57	5.93	FMS	Horizontal
6	750.031	-79.8	7.9	-71.9	-57	14.9	FMS	Horizontal
7	4698.9	-62.6	-1.52	-64.12	-47	17.12	FMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 7

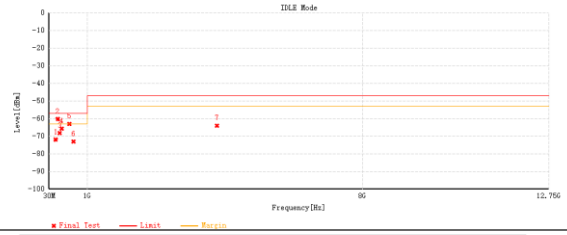
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-60.32	-3.69	-64.01	-57	7.01	FMS	Vertical
2	350.003	-61.91	-1.12	-63.03	-57	6.03	FMS	Vertical
3	450.01	-69.06	0.02	-69.04	-57	12.04	FMS	Vertical
4	550.017	-63.71	2.54	-61.17	-57	4.17	FMS	Vertical
5	650.024	-77.05	5.39	-71.66	-57	14.66	FMS	Vertical
6	750.031	-77.22	8.14	-69.08	-57	12.08	FMS	Vertical
7	3756.55	-60.94	-3.67	-64.61	-47	17.61	FMS	Vertical

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 7

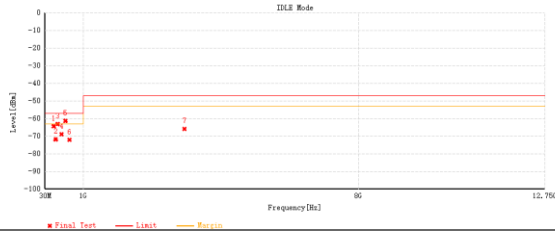
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.42	-6.45	-71.87	-57	14.87	FMS	Horizontal
2	249.996	-56.51	-3.71	-60.22	-57	3.22	FMS	Horizontal
3	299.951	-65.3	-2.95	-68.25	-57	11.25	FMS	Horizontal
4	350.003	-64.42	-1.25	-65.67	-57	8.67	FMS	Horizontal
5	550.017	-65.45	2.47	-62.98	-57	5.98	FMS	Horizontal
6	650.024	-78.23	5.16	-73.07	-57	16.07	FMS	Horizontal
7	4306.45	-61.18	-2.79	-63.97	-47	16.97	FMS	Horizontal

Test Mode : LTE_1.4M 1RB_Idle_Mid-Channel_
Band 8

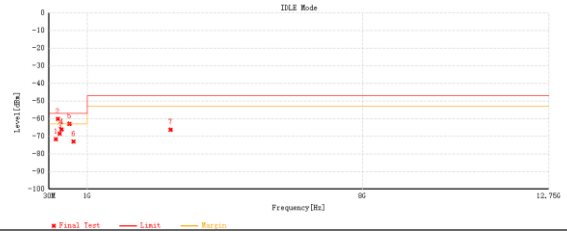
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-60.55	-3.69	-64.24	-57	7.24	FMS	Vertical
2	299.951	-68.37	-3.3	-71.67	-57	14.67	FMS	Vertical
3	350.003	-62	-1.12	-63.12	-57	6.12	FMS	Vertical
4	450.01	-68.75	0.02	-68.73	-57	11.73	FMS	Vertical
5	550.017	-63.81	2.54	-61.27	-57	4.27	FMS	Vertical
6	650.024	-77.32	5.39	-71.93	-57	14.93	FMS	Vertical
7	3577.95	-60.92	-4.83	-65.75	-47	18.75	FMS	Vertical

Test Mode : LTE_1.4M 1RB_Idle_Mid-Channel_
Band 8

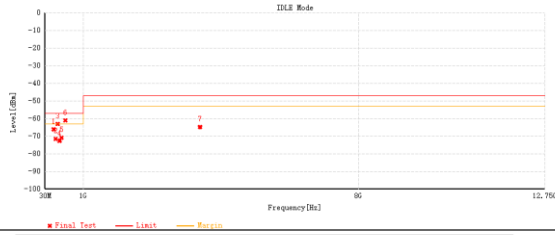
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.23	-6.45	-71.68	-57	14.68	FMS	Horizontal
2	249.996	-56.47	-3.71	-60.18	-57	3.18	FMS	Horizontal
3	299.951	-65.5	-2.95	-68.45	-57	11.45	FMS	Horizontal
4	350.003	-64.88	-1.25	-66.13	-57	9.13	FMS	Horizontal
5	550.017	-65.4	2.47	-62.93	-57	5.93	FMS	Horizontal
6	650.024	-78.15	5.16	-73.99	-57	15.99	FMS	Horizontal
7	3124.988	-60.92	-5.38	-66.3	-47	19.3	FMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 8

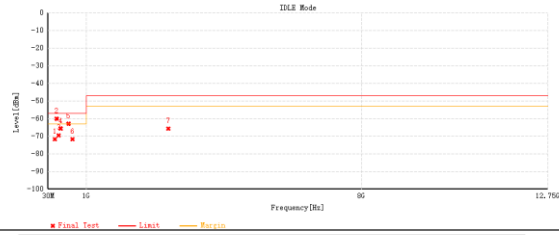
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-62.38	-3.69	-66.07	-57	9.07	FMS	Vertical
2	249.991	-68.1	-3.3	-71.4	-57	14.4	FMS	Vertical
3	350.003	-61.96	-1.12	-63.08	-57	6.08	FMS	Vertical
4	399.958	-72.61	0.03	-72.58	-57	15.58	FMS	Vertical
5	450.01	-70.84	0.02	-70.82	-57	13.82	FMS	Vertical
6	550.017	-63.54	2.54	-61	-57	4	FMS	Vertical
7	3973.337	-61.19	-3.01	-64.8	-47	17.8	FMS	Vertical

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 8

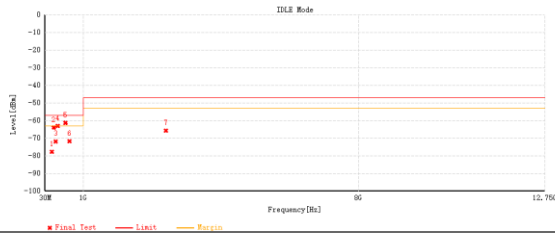
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.26	-6.45	-71.71	-57	14.71	FMS	Horizontal
2	249.996	-56.36	-3.71	-60.07	-57	3.07	FMS	Horizontal
3	299.951	-66.47	-2.95	-69.42	-57	12.42	FMS	Horizontal
4	350.003	-64.28	-1.25	-65.53	-57	8.53	FMS	Horizontal
5	550.017	-65.34	2.47	-62.87	-57	5.87	FMS	Horizontal
6	650.024	-76.9	5.16	-71.74	-57	14.74	FMS	Horizontal
7	3090.913	-60.38	-5.38	-65.76	-47	18.76	FMS	Horizontal

Test Mode : LTE_10M 1RB_Idle_Mid-Channel_
Band 8

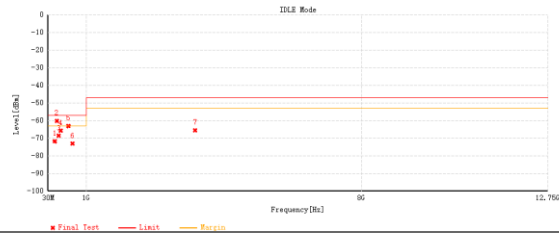
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-71.62	-5.08	-77.7	-57	20.7	FMS	Vertical
2	249.996	-60.2	-3.69	-63.89	-57	6.89	FMS	Vertical
3	299.951	-68.51	-3.3	-71.81	-57	14.81	FMS	Vertical
4	350.003	-61.95	-1.12	-63.07	-57	6.07	FMS	Vertical
5	550.017	-63.78	2.54	-61.24	-57	4.24	FMS	Vertical
6	650.024	-77.04	5.39	-71.65	-57	14.65	FMS	Vertical
7	3103.837	-60.57	-5.15	-65.72	-47	18.72	FMS	Vertical

Test Mode : LTE_10M 1RB_Idle_Mid-Channel_
Band 8

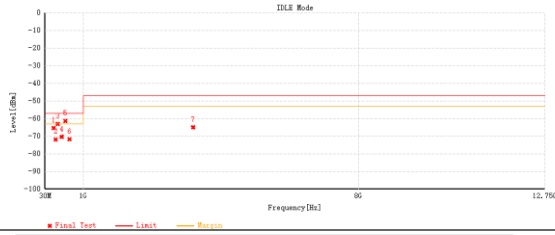
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.31	-6.45	-71.76	-57	14.76	FMS	Horizontal
2	249.996	-56.43	-3.71	-60.14	-57	3.14	FMS	Horizontal
3	299.951	-65.57	-2.95	-68.52	-57	11.52	FMS	Horizontal
4	350.003	-64.36	-1.25	-65.61	-57	8.61	FMS	Horizontal
5	550.017	-65.55	2.47	-63.08	-57	6.08	FMS	Horizontal
6	650.024	-78.16	5.16	-73	-57	16	FMS	Horizontal
7	3773.587	-61.23	-4.19	-65.42	-47	18.42	FMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 20

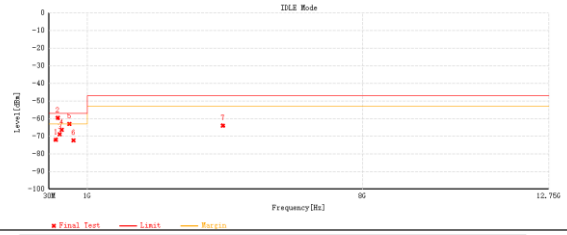
Vertical



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-61.67	-3.69	-65.36	-57	8.36	FMS	Vertical
2	299.951	-68.51	-3.3	-71.81	-57	14.81	FMS	Vertical
3	350.003	-61.84	-1.12	-62.96	-57	5.96	FMS	Vertical
4	450.01	-70.32	0.02	-70.3	-57	13.3	FMS	Vertical
5	550.017	-63.85	2.54	-61.31	-57	4.31	FMS	Vertical
6	650.024	-77.14	5.39	-71.75	-57	14.75	FMS	Vertical
7	3795.913	-61.52	-3.33	-64.85	-47	17.85	FMS	Vertical

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 20

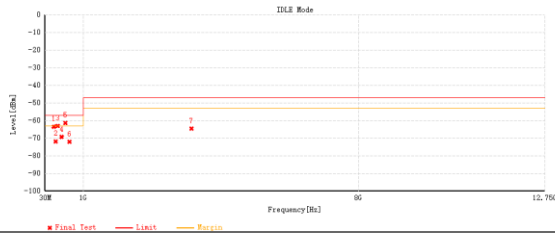
Horizontal



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.45	-6.45	-71.9	-57	14.9	FMS	Horizontal
2	249.996	-55.82	-3.71	-59.53	-57	2.53	FMS	Horizontal
3	299.951	-65.91	-2.95	-68.86	-57	11.86	FMS	Horizontal
4	350.003	-64.99	-1.25	-66.24	-57	9.24	FMS	Horizontal
5	550.017	-65.51	2.47	-63.04	-57	6.04	FMS	Horizontal
6	650.024	-77.56	5.16	-72.4	-57	15.4	FMS	Horizontal
7	4455.675	-61.78	-2.15	-63.93	-47	16.93	FMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 20

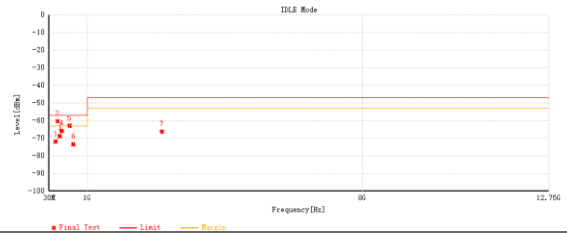
Vertical



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-59.73	-3.69	-63.42	-57	6.42	FMS	Vertical
2	299.951	-68.43	-3.3	-71.73	-57	14.73	FMS	Vertical
3	350.003	-61.94	-1.12	-63.06	-57	6.06	FMS	Vertical
4	450.01	-69.3	0.02	-69.28	-57	12.28	FMS	Vertical
5	550.017	-63.91	2.54	-61.37	-57	4.37	FMS	Vertical
6	650.024	-77.32	5.39	-71.93	-57	14.93	FMS	Vertical
7	3754.788	-60.83	-3.69	-64.52	-47	17.52	FMS	Vertical

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 20

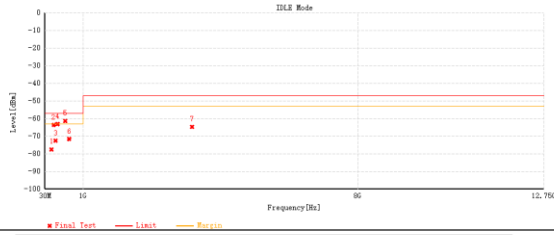
Horizontal



SN	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.42	-6.45	-71.87	-57	14.87	FMS	Horizontal
2	249.996	-56.58	-3.71	-60.29	-57	3.29	FMS	Horizontal
3	299.951	-65.74	-2.95	-68.69	-57	11.69	FMS	Horizontal
4	350.003	-64.57	-1.25	-65.82	-57	8.82	FMS	Horizontal
5	550.017	-65.33	2.47	-62.86	-57	5.86	FMS	Horizontal
6	650.024	-78.64	5.16	-73.48	-57	16.48	FMS	Horizontal
7	2900.563	-60.45	-5.82	-66.27	-47	19.27	FMS	Horizontal

Test Mode : LTE_3M 1RB_Idle_Mid-Channel_
Band 28

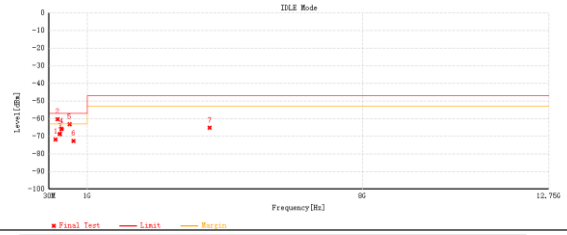
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-71.4	-6.08	-77.48	-57	20.48	RMS	Vertical
2	249.996	-59.87	-3.69	-63.56	-57	6.56	RMS	Vertical
3	299.951	-69.22	-3.3	-72.52	-57	15.52	RMS	Vertical
4	350.003	-61.99	-1.12	-63.11	-57	6.11	RMS	Vertical
5	550.017	-63.84	2.54	-61.3	-57	4.3	RMS	Vertical
6	650.024	-76.91	5.39	-71.52	-57	14.52	RMS	Vertical
7	3775.35	-61.17	-3.51	-64.68	-47	17.68	RMS	Vertical

Test Mode : LTE_3M 1RB_Idle_Mid-Channel_
Band 28

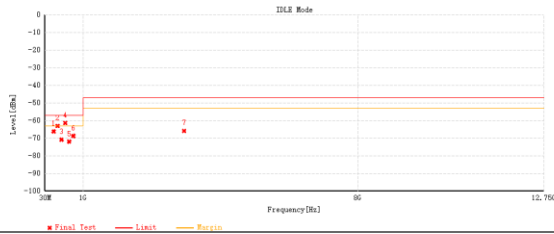
Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.37	-6.45	-71.82	-57	14.82	RMS	Horizontal
2	249.996	-56.59	-3.71	-60.3	-57	3.3	RMS	Horizontal
3	299.951	-65.7	-2.95	-68.65	-57	11.65	RMS	Horizontal
4	350.003	-64.57	-1.25	-65.82	-57	8.82	RMS	Horizontal
5	550.017	-65.65	2.47	-63.18	-57	6.18	RMS	Horizontal
6	650.024	-77.8	5.16	-72.64	-57	15.64	RMS	Horizontal
7	4116.1	-61.78	-3.4	-65.18	-47	18.18	RMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 28

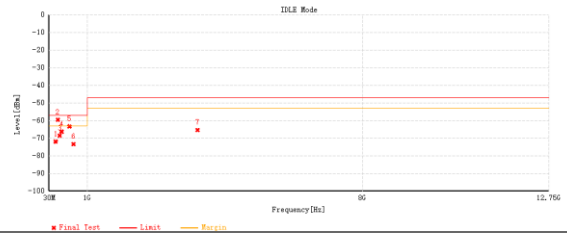
Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-62.4	-3.69	-66.09	-57	9.09	RMS	Vertical
2	350.003	-61.88	-1.12	-63	-57	6	RMS	Vertical
3	450.01	-70.71	0.02	-70.69	-57	13.69	RMS	Vertical
4	550.017	-63.88	2.54	-61.34	-57	4.34	RMS	Vertical
5	650.024	-77.24	8.14	-69.1	-57	12.1	RMS	Vertical
6	750.031	-76.79	8.14	-68.65	-57	11.65	RMS	Vertical
7	3579.712	-60.96	-4.81	-65.79	-47	18.79	RMS	Vertical

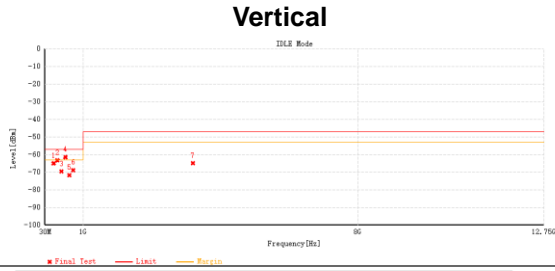
Test Mode : LTE_5M 1RB_Idle_Mid-Channel_
Band 28

Horizontal



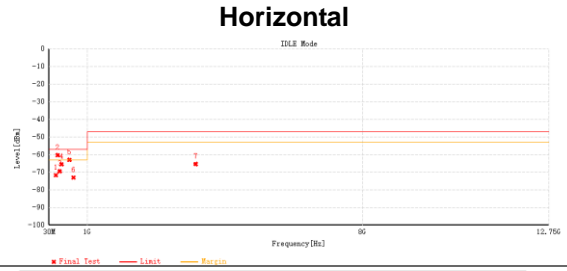
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.4	-6.45	-71.85	-57	14.85	RMS	Horizontal
2	249.996	-55.81	-3.71	-59.52	-57	2.52	RMS	Horizontal
3	299.951	-65.63	-2.95	-68.58	-57	11.58	RMS	Horizontal
4	350.003	-64.97	-1.25	-66.22	-57	9.22	RMS	Horizontal
5	550.017	-65.71	2.47	-63.24	-57	6.24	RMS	Horizontal
6	650.024	-78.42	5.16	-73.26	-57	16.26	RMS	Horizontal
7	3804.725	-61.34	-3.99	-65.33	-47	18.33	RMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 28



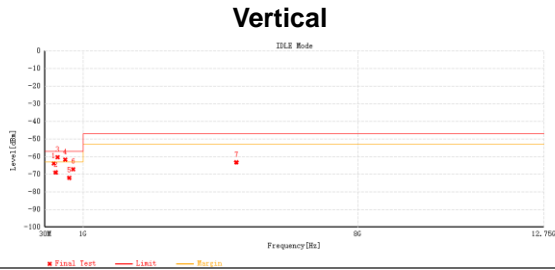
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-61.24	-3.69	-64.93	-57	7.93	RMS	Vertical
2	350.003	-62.05	-1.12	-63.17	-57	6.17	RMS	Vertical
3	450.01	-69.53	0.02	-69.51	-57	12.51	RMS	Vertical
4	550.017	-63.99	2.54	-61.45	-57	4.45	RMS	Vertical
5	650.024	-77.07	5.39	-71.68	-57	14.68	RMS	Vertical
6	750.031	-76.96	8.14	-68.82	-57	11.82	RMS	Vertical
7	3797.675	-61.55	-3.31	-64.86	-47	17.86	RMS	Vertical

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 28



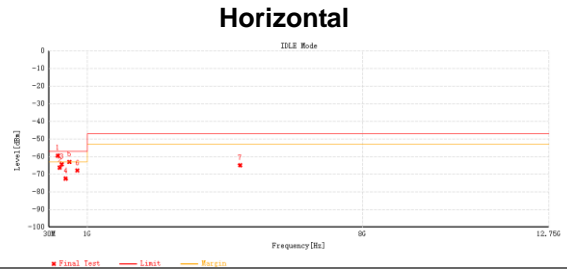
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.28	-6.45	-71.73	-57	14.73	RMS	Horizontal
2	249.996	-56.55	-3.71	-60.26	-57	3.26	RMS	Horizontal
3	299.951	-66.4	-2.95	-69.35	-57	12.35	RMS	Horizontal
4	350.003	-64.21	-1.25	-65.46	-57	8.46	RMS	Horizontal
5	550.017	-65.39	2.47	-62.92	-57	5.92	RMS	Horizontal
6	650.024	-78.17	5.16	-73.01	-57	16.01	RMS	Horizontal
7	3757.725	-61.02	-4.31	-65.33	-47	18.33	RMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 38



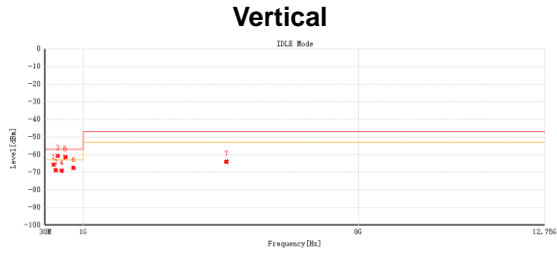
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-60.16	-3.69	-63.85	-57	6.85	RMS	Vertical
2	299.951	-65.66	-3.3	-68.96	-57	11.96	RMS	Vertical
3	350.003	-59.18	-1.12	-60.3	-57	3.3	RMS	Vertical
4	550.017	-64.16	2.54	-61.62	-57	4.62	RMS	Vertical
5	650.024	-77.51	8.39	-72.12	-57	15.12	RMS	Vertical
6	750.031	-76.3	8.14	-67.16	-57	10.16	RMS	Vertical
7	4908.638	-63.39	0.08	-63.31	-47	16.31	RMS	Vertical

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 38



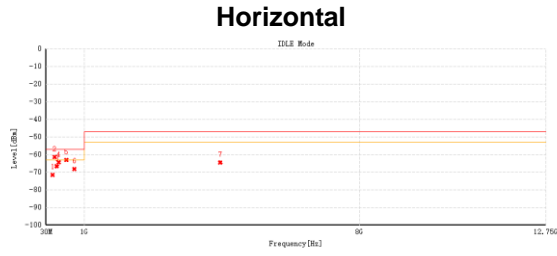
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-55.71	-3.71	-59.42	-57	2.42	RMS	Horizontal
2	299.951	-63.34	-2.95	-66.29	-57	9.29	RMS	Horizontal
3	350.003	-63.03	-1.25	-64.28	-57	7.28	RMS	Horizontal
4	450.01	-72.66	0.3	-72.36	-57	15.36	RMS	Horizontal
5	550.017	-65.47	2.47	-63	-57	6	RMS	Horizontal
6	750.031	-75.75	7.9	-67.85	-57	10.85	RMS	Horizontal
7	4889.837	-63.91	-0.97	-64.88	-47	17.88	RMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 38



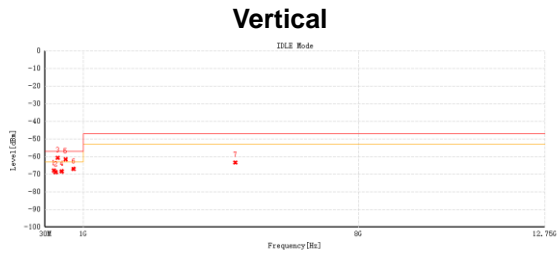
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-62	-3.69	-65.69	-57	8.69	FMS	Vertical
2	249.951	-65.39	-3.3	-68.69	-57	11.69	FMS	Vertical
3	350.003	-59.51	-1.12	-60.63	-57	3.63	FMS	Vertical
4	450.01	-69.04	0.02	-69.02	-57	12.02	FMS	Vertical
5	550.017	-63.92	2.54	-61.38	-57	4.38	FMS	Vertical
6	750.031	-75.5	8.14	-67.36	-57	10.36	FMS	Vertical
7	4640.737	-62.55	-1.45	-64	-47	17	FMS	Vertical

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_Band 38



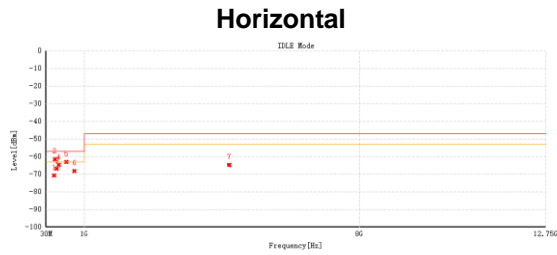
#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.04	-6.45	-71.49	-57	14.49	FMS	Horizontal
2	249.996	-57.61	-3.71	-61.32	-57	4.32	FMS	Horizontal
3	249.951	-63.67	-2.95	-66.62	-57	9.62	FMS	Horizontal
4	350.003	-63.05	-1.25	-64.3	-57	7.3	FMS	Horizontal
5	550.017	-65.46	2.47	-62.99	-57	5.99	FMS	Horizontal
6	750.031	-75.99	7.9	-68.09	-57	11.09	FMS	Horizontal
7	4660.962	-62.22	-2.14	-64.36	-47	17.36	FMS	Horizontal

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 40



#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-64.16	-3.69	-67.85	-57	10.85	FMS	Vertical
2	249.951	-65.37	-3.3	-68.67	-57	11.67	FMS	Vertical
3	350.003	-59.55	-1.12	-60.67	-57	3.67	FMS	Vertical
4	450.01	-68.35	0.02	-68.33	-57	11.33	FMS	Vertical
5	550.017	-64.03	2.54	-61.49	-57	4.49	FMS	Vertical
6	750.031	-75.12	8.14	-66.98	-57	9.98	FMS	Vertical
7	4674.563	-63.28	0	-63.28	-47	16.28	FMS	Vertical

Test Mode : LTE_5M 1RB_Idle_Mid-Channel_Band 40

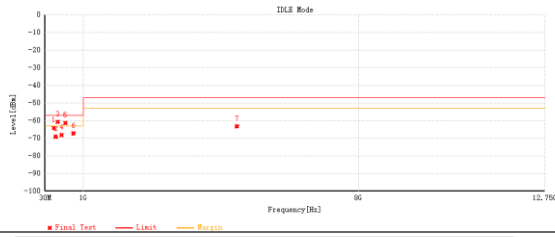


#	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	233.894	-65.98	-4.61	-70.59	-57	13.59	FMS	Horizontal
2	249.996	-57.78	-3.71	-61.49	-57	4.49	FMS	Horizontal
3	249.951	-63.84	-2.95	-66.79	-57	9.79	FMS	Horizontal
4	350.003	-63.42	-1.25	-64.67	-57	7.67	FMS	Horizontal
5	550.017	-65.44	2.47	-62.97	-57	5.97	FMS	Horizontal
6	750.031	-76.02	7.9	-68.12	-57	11.12	FMS	Horizontal
7	4690.087	-63.21	-1.56	-64.77	-47	17.77	FMS	Horizontal

Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 40

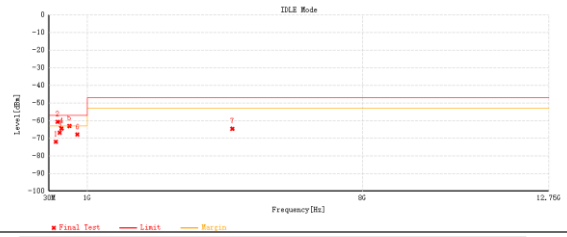
Test Mode : LTE_20M 1RB_Idle_Mid-Channel_
Band 40

Vertical



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	249.996	-60.46	-3.69	-64.15	-57	7.15	FMS	Vertical
2	249.951	-65.71	-3.3	-69.01	-57	12.01	FMS	Vertical
3	350.003	-59.49	-1.12	-60.61	-57	3.61	FMS	Vertical
4	450.01	-68.15	0.02	-68.13	-57	11.13	FMS	Vertical
5	550.017	-63.88	2.54	-61.34	-57	4.34	FMS	Vertical
6	750.031	-75.4	8.14	-67.26	-57	10.26	FMS	Vertical
7	4912.163	-63.29	0.05	-63.24	-47	16.24	FMS	Vertical

Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity
1	199.944	-65.54	-6.45	-71.99	-57	14.99	FMS	Horizontal
2	249.996	-56.92	-3.71	-60.63	-57	3.63	FMS	Horizontal
3	249.951	-63.78	-2.95	-66.73	-57	9.73	FMS	Horizontal
4	350.003	-63.23	-1.25	-64.48	-57	7.48	FMS	Horizontal
5	550.017	-65.55	2.47	-63.08	-57	6.08	FMS	Horizontal
6	750.031	-75.78	7.9	-67.88	-57	10.88	FMS	Horizontal
7	4693.025	-62.99	-1.55	-64.54	-47	17.54	FMS	Horizontal

5. MEASUREMENT INSTRUMENTS LIST

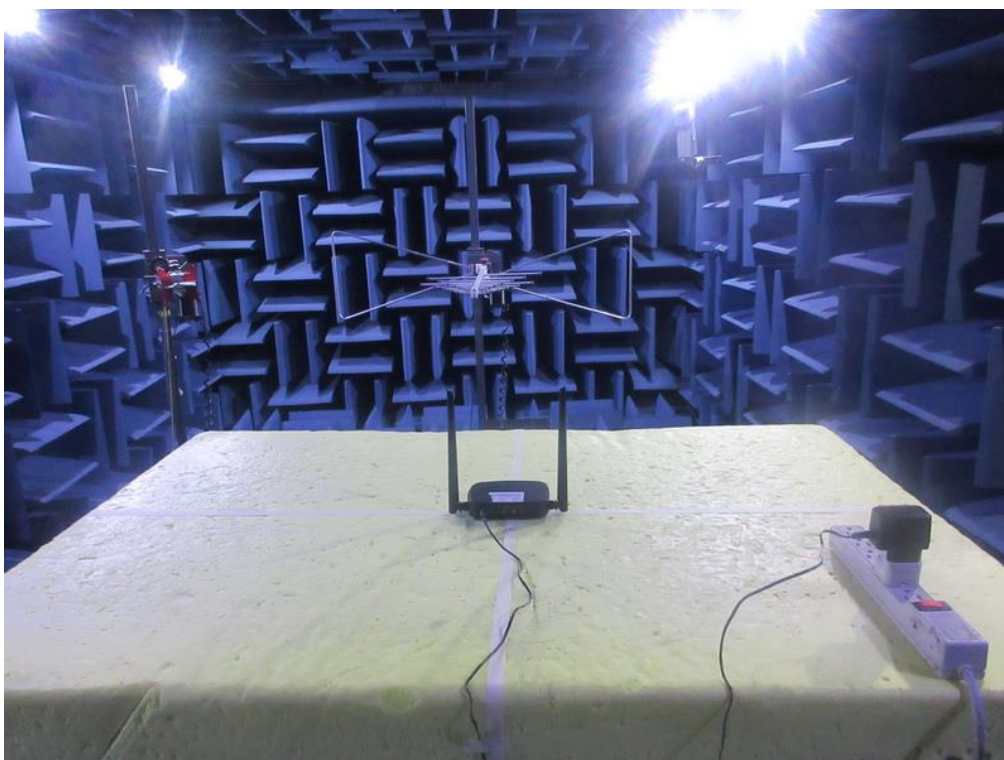
DETAILS FOR RADIATED EMISSIONS					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3231	Apr. 02, 2024
2	Amplifier	HP	8447D	2944A08908	Jan. 08, 2024
3	Controller	ETS-Lindgren	2090	N/A	N/A
4	Double-Ridged Waveguide Horn Antennas	ETS-LINDGREN	3117-PA	224172	Sep. 19, 2023
5	Preamplifier	ETS-LINDGREN	3117-PA	224172	Jun. 18, 2024
6	Automatic switching unit of high and low frequency line wave device	Tonscend	JS0806-S	20E8060252	N/A
7	FSV Signal Analyzer	R&S	FSV7	101908	Jan. 08, 2024
8	FSV Signal Analyzer	R&S	FSV40	101423	Jun. 17, 2024
9	Measurement Software	Tonscend	JS36-RSE 2.5.1.5	N/A	N/A
10	wideband radio communication tester	R&S	CMW500	152372	Jan. 08, 2024

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

6. EUT TEST PHOTO

Radiated Emissions Test Photos



End of Test Report