



# FCC Radio Test Report

## FCC ID: 2A22Z-W314

This report concerns: Original Grant

**Project No.** : 2308C213  
**Equipment** : Botslab PT 4G LTE Cellular Camera  
**Brand Name** : Botslab  
**Test Model** : W314  
**Series Model** : W314lite, W314pro, W314s  
**Applicant** : Botslab, Inc.  
**Address** : 919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA  
**Manufacturer** : Botslab, Inc.  
**Address** : 919 North Market Street, Suite 950, Wilmington, New Castle, Delaware, USA  
**Date of Receipt** : Dec. 01, 2023  
**Date of Test** : Dec. 19, 2023 ~ Dec. 21, 2023  
**Issued Date** : Dec. 26, 2023  
**Report Version** : R00  
**Test Sample** : Engineering Sample No.: DG20231201107  
**Standard(s)** : 47 CFR FCC Part 27 Subpart L  
47 CFR FCC Part 27 Subpart N  
47 CFR FCC Part 27 Subpart H  
47 CFR FCC Part 27 Subpart F  
47 CFR FCC Part 2

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

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Edward Li

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**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-FCCP-3-2308C213	R00	Original Report.	Dec. 26, 2023	Valid

## 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.26-2015

The following reference test guidance is not within the scope of accreditation of NVLAP:

ANSI/TIA/EIA-603-E-2016

KDB 971168 D01 Power Meas License Digital Systems v03r01

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 27 Subpart L, N, H, F & Part 2			
Standard(s) Section	Test Item	Judgment	Remark
2.1046	Output Power	PASS	Note (2)
27.50(d)(4) 27.50(c)(10) 27.50(b)(10)	Equivalent Isotropic Radiated Power & Equivalent Radiated Power	PASS	Note (2)
2.1049	Occupied Bandwidth	PASS	Note (2)
2.1051 27.53(h) 27.53(g) 27.53(c)(2)(f)	Conducted Spurious Emissions	PASS	Note (2)
2.1053 27.53(h)	Radiated Spurious Emissions	PASS	-----
2.1051 27.53(h) 27.53(g) 27.53(c)(2)(f)	Band Edge Measurements	PASS	Note (2)
27.50(d)(5)	Peak To Average Ratio	PASS	Note (2)
2.1055 27.54	Frequency Stability	PASS	Note (2)

Note:

(1) "N/A" denotes test is not applicable in this test report.

(2) The test results please refer to the test report No: CN23AZPG 001.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of Room 108, Building 2, No. 1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong 523000.

## 2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	$U$ ,(dB)
SSL-CB01	CISPR	9kHz ~ 30MHz	2.74

Test Site	Method	Measurement Frequency Range	Ant. H / V	$U$ ,(dB)
SSL-CB01	CISPR	30MHz ~ 200MHz	V	4.70
		30MHz ~ 200MHz	H	3.56
		200MHz ~ 1,000MHz	V	4.92
		200MHz ~ 1,000MHz	H	4.54
		1GHz ~ 6GHz	-	4.56
		6GHz ~ 18GHz	-	5.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Radiated Spurious Emissions (9 kHz to 30 MHz)	25°C	60%	DC 3.6V	Brand Duan
Radiated Spurious Emissions (30 MHz to 1000 MHz)	24°C	44 ~ 45%	DC 3.6V	Brand Duan
Radiated Spurious Emissions (Above 1000 MHz)	24°C	44 ~ 45%	DC 3.6V	Brand Duan

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	Botslab PT 4G LTE Cellular Camera	
Brand Name	Botslab	
Test Model	W314	
Series Model	W314lite, W314pro, W314s	
Model Difference(s)	Only differ in model name.	
Hardware Version	W314	
Software Version	3.4.23	
Power Source	1# Supplied from battery. Model: 1INR19/66-4 2# Supplied from Type-C port.	
Power Rating	1# DC 3.6V, 9180mAh, 33.1Wh 2# DC 5V	
IMEI No.	868105045956982	
Modulation Type	WCDMA/HSDPA/HSUPA	Uplink: QPSK,16QAM
	LTE	Uplink: QPSK,16QAM

Note:

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

#### 2. Channel List:

WCDMA Band IV				
Test Frequency ID	UARFCN	Frequency of Uplink (MHz)	UARFCN	Frequency of Downlink (MHz)
Low Range	1312	1712.4	1537	2112.4
Mid Range	1413	1732.6	1638	2132.6
High Range	1513	1752.6	1738	2152.6

LTE Band 4					
Test Frequency ID	Bandwidth (MHz)	N <sub>UL</sub>	Frequency of Uplink (MHz)	N <sub>DL</sub>	Frequency of Downlink (MHz)
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1740	2300	2145

LTE Band 12					
Test Frequency ID	Bandwidth (MHz)	N <sub>UL</sub>	Frequency of Uplink (MHz)	N <sub>DL</sub>	Frequency of Downlink (MHz)
Low Range	1.4	23017	699.7	5017	729.7
	3	23025	700.5	5025	730.5
	5	23035	701.5	5035	731.5
	10	23060	704.0	5060	734
Mid Range	1.4/3/5/10	23095	707.5	5095	737.5
High Range	1.4	23173	715.3	5173	745.3
	3	23165	714.5	5165	744.5
	5	23155	713.5	5155	743.5
	10	23130	711.0	5130	741


LTE Band 13					
Test Frequency ID	Bandwidth (MHz)	N <sub>UL</sub>	Frequency of Uplink (MHz)	N <sub>DL</sub>	Frequency of Downlink (MHz)
Low Range	5	23205	779.5	5205	748.5
Mid Range	5/10	23230	782.0	5230	751
High Range	5	23255	784.5	5255	753.5

LTE Band 66					
Test Frequency ID	Bandwidth (MHz)	N <sub>UL</sub>	Frequency of Uplink (MHz)	N <sub>DL</sub>	Frequency of Downlink (MHz)
Low Range	1.4	131979	1710.7	66443	2110.7
	3	131987	1711.5	66451	2111.5
	5	131997	1712.5	66461	2112.5
	10	132022	1715	66486	2115
	15	132047	1717.5	66511	2117.5
	20	132072	1720	66536	2120
Mid Range	1.4/3/5/10/15/20	132322	1745	66786	2145
High Range	1.4	132665	1779.3	67129	2179.3
	3	132657	1778.5	67121	2178.5
	5	132647	1777.5	67111	2177.5
	10	132622	1775	67086	2175
	15	132597	1772.5	67061	2172.5
	20	132572	1770	67036	2170



LTE Band 71					
Test Frequency ID	Bandwidth (MHz)	N <sub>UL</sub>	Frequency of Uplink (MHz)	N <sub>DL</sub>	Frequency of Downlink (MHz)
Low Range	5	133147	665.5	68611	619.5
	10	133172	668	68636	622
	15	133197	670.5	68661	624.5
	20	133222	673	68686	627
Mid Range	5/10/15	133297	680.5	68761	634.5
	20	133322	683	68786	637
High Range	5	133447	695.5	68911	649.5
	10	133422	693	68886	647
	15	133397	690.5	68861	644.5
	20	133372	688	68836	642

3. Table for Filed Antenna:

Brand	P/N	Antenna Type	Connector	Gain (dBi)	Note
 英佳创	YJC-6C275-W03	Dipole	XD	2.86	WCDMA Band IV
				2.86	LTE Band 4
				0.78	LTE Band 12
				0.37	LTE Band 13
				3.54	LTE Band 66
				0.95	LTE Band 71

Note: The antenna gain is provided by the manufacturer.

### 3.2 DESCRIPTION OF TEST MODES

Following mode(s) is (were) found to be the worst case(s) and selected for the final test.

WCDMA BAND IV MODE			
Test Item	Available Channel	Tested Channel	Mode
Radiated Spurious Emissions	1312 to 1513	1413	WCDMA

LTE BAND 4 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions	19957 to 20393	20175	1.4MHz	QPSK	1RB
	19975 to 20375	20175	5MHz	QPSK	1RB
	20050 to 20300	20175	20MHz	QPSK	1RB

LTE BAND 12 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Emission	23017 to 23173	23095	1.4MHz	QPSK	1RB
	23017 to 23173	23095	5MHz	QPSK	1RB
	23060 to 23130	23095	10MHz	QPSK	1RB

LTE BAND 13 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Emission	23205 to 23255	23230	5MHz	QPSK	1RB
	23230	23230	10MHz	QPSK	1RB

LTE BAND 66 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions	131979 to 132665	132322	1.4MHz	QPSK	1RB
	131997 to 132647	132322	5MHz	QPSK	1RB
	132072 to 132572	132322	20MHz	QPSK	1RB

LTE BAND 71 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Radiated Spurious Emissions	133197 to 133397	133297	5MHz	QPSK	1RB
	133222 to 133372	133322	20MHz	QPSK	1RB

**3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED****3.4 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	Mfr/Brand	Model/Type No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

## 4. TEST RESULT

### 4.1 RADIATED SPURIOUS EMISSIONS MEASUREMENT

#### 4.1.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit equal to -13dBm.

For LTE Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

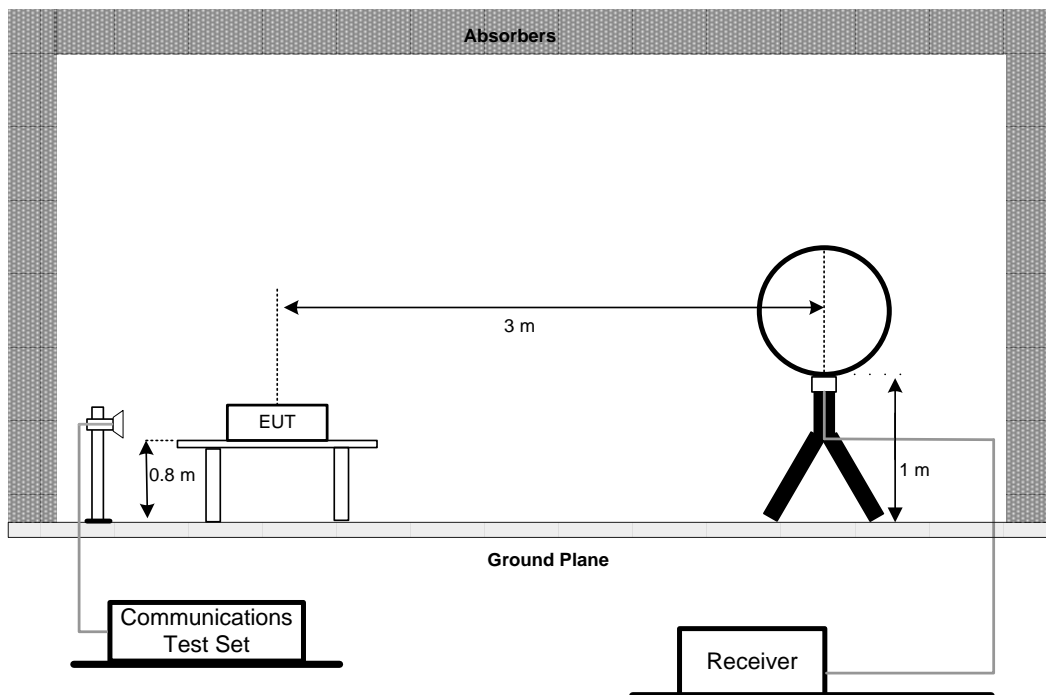
$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$ ; where D is the measurement distance in meters. The emission limit equal to 82.3dB $\mu\text{V/m}$ .

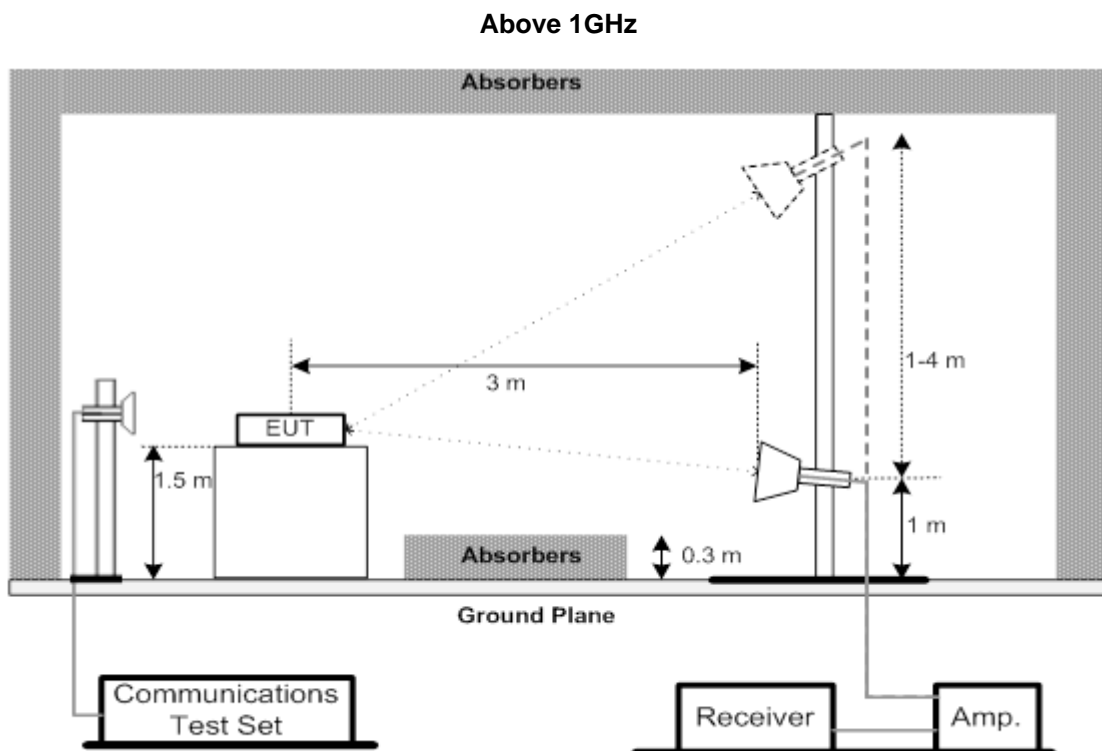
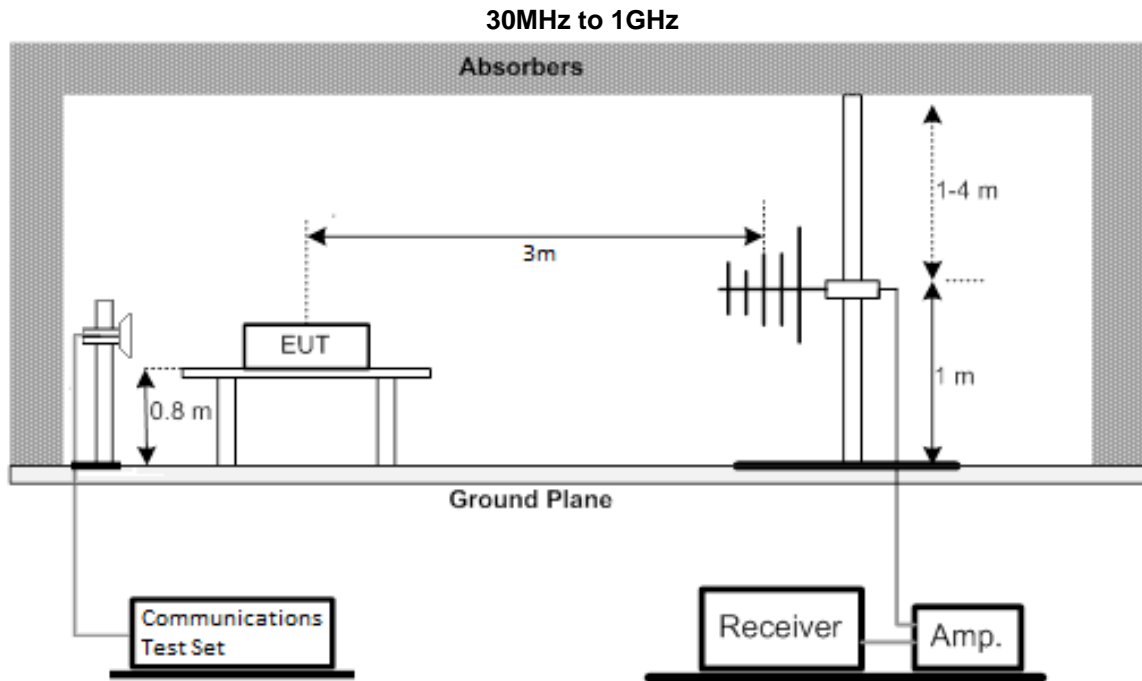
#### 4.1.2 TEST PROCEDURES

ANSI C63.26-2015 - Section 5.2.7 & 5.5.

#### 4.1.3 TEST SETUP LAYOUT

##### Below 30MHz





**4.1.4 TEST RESULTS (9KHZ TO 30MHZ)**

Please refer to the APPENDIX A.

**4.1.5 TEST RESULTS (30MHZ TO 1000MHZ)**

Please refer to the APPENDIX B.

**4.1.6 TEST RESULTS (ABOVE 1000MHZ)**

Please refer to the APPENDIX C.

**5. LIST OF MEASUREMENT EQUIPMENTS**

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	1513-60-025	Apr. 01, 2024
2	MXE EMI Receiver	Keysight	N9038A	MY59050118	Feb. 10, 2024
3	Cable	EMC INSTRUMENT	EMCCFD400-NM-NM-3000	N/A	Jun. 08, 2024
4	Cable	EMC INSTRUMENT	EMCCFD400-NM-NM-7000	N/A	Jun. 08, 2024
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	TaiHe	9*6*6 (NSA&VSWR)	N/A	Jan. 07, 2024

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	01269	May 15, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AN-N0697	May 15, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980825	Feb. 10, 2024
4	Cable	EMC INSTRUMENT	EMCCFD400-NM-NM-2500	N/A	Jun. 08, 2024
5	Cable	EMC INSTRUMENT	EMCCFD400-NM-NM-7000	N/A	Jun. 08, 2024
6	Cable	EMC INSTRUMENT	EMCCFD400-NM-NM-3000	N/A	Jun. 08, 2024
7	MXE EMI Receiver	KEYSIGHT	N9038A	MY59050118	Feb. 10, 2024
8	Positioning Controller	MF	MF-7802BS	N/A	N/A
9	Max-Full Antenna Corp	MF	MFA-560BSN	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	966 Chamber room	TaiHe	9*6*6 (NSA&VSWR)	N/A	Jan. 07, 2024

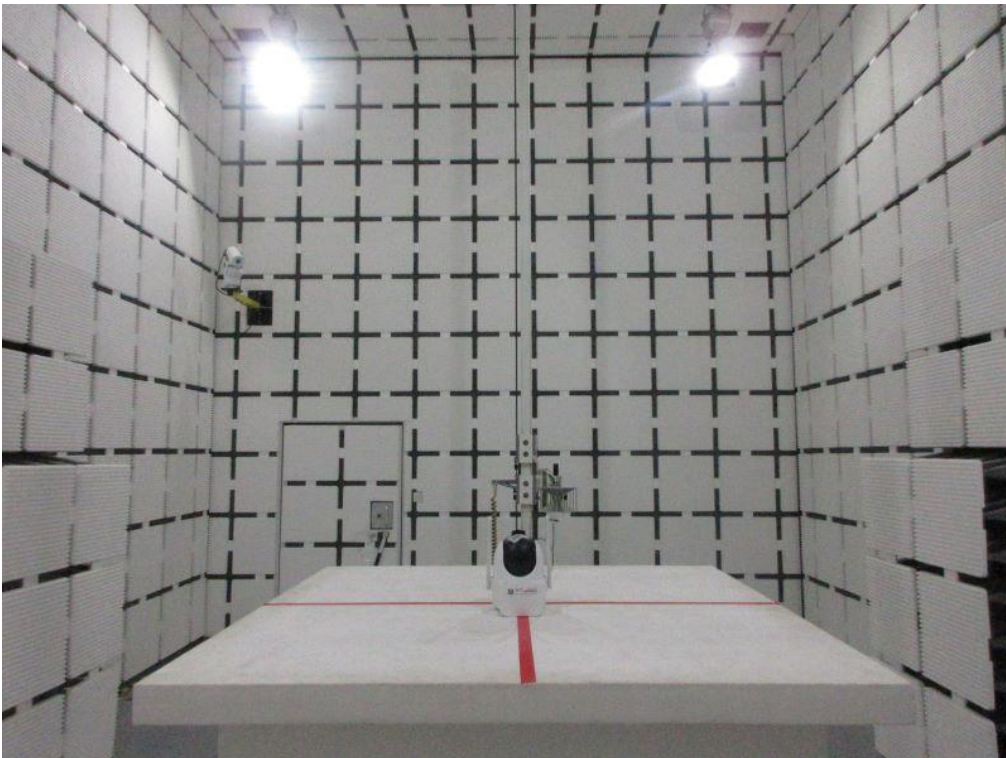
Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXE EMI Receiver	Keysight	N9038A	MY59050118	Feb. 10, 2024
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980739	Feb. 10, 2024
4	Cable	EMC INSTRUMENT	EMC104-SM-SM-10000	N/A	Jun. 08, 2024
5	Cable	EMC INSTRUMENT	EMC104-SM-SM-3000	N/A	Jun. 08, 2024
6	Cable	EMC INSTRUMENT	EMC104-SM-SM-800	N/A	Jun. 08, 2024
7	Double Ridged Broadband Horn Antenna	RF SPIN	DRH18-E	210106A18E	Jul. 04, 2024
8	Band Reject Filter	COM-MW	ZHPF6-C3000-18000-174	07213126	Jul. 07, 2024
9	Band Reject Filter	COM-MW	ZHPF6-C1500-10000-1753	07213128	Jul. 07, 2024
10	966 Chamber room	TaiHe	9*6*6 (NSA&VSWR)	N/A	Jan. 07, 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****9 kHz to 30 MHz**

**Radiated Emissions Test Photos****30 MHz to 1 GHz**



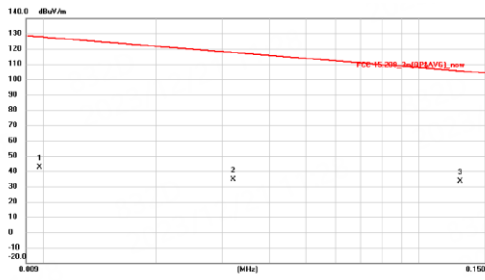
**Radiated Emissions Test Photos****Above 1 GHz**

## **APPENDIX A - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)**

Test Mode : TX Mode

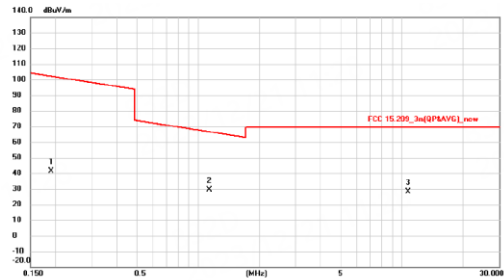
Test Mode : TX Mode

Ant 0°



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0098	21.28	21.26	42.54	127.78	-85.24	AVG	
2	0.0321	14.72	20.02	34.74	117.47	-82.73	AVG	
3 *	0.1288	13.26	20.16	33.42	105.41	-71.99	AVG	

Ant 0°

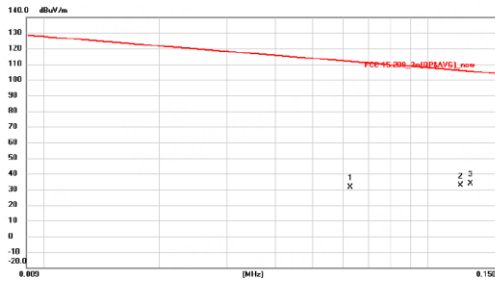


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.1894	21.14	20.09	41.23	102.06	-60.83	AVG	
2 *	1.1350	9.19	20.02	29.21	66.50	-37.29	QP	
3	10.7468	7.53	20.61	28.14	69.54	-41.40	QP	

Test Mode : TX Mode

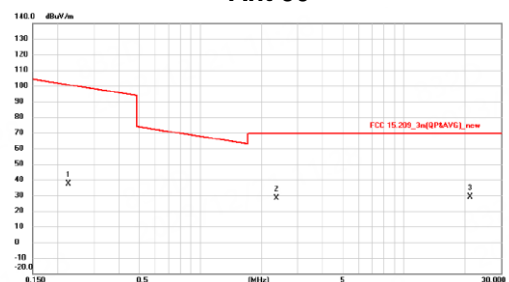
Test Mode : TX Mode

Ant 90°



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0626	11.18	20.04	31.22	111.67	-80.45	AVG	
2	0.1215	12.41	20.16	32.57	105.92	-73.35	AVG	
3 *	0.1290	13.50	20.16	33.66	105.40	-71.74	AVG	

Ant 90°



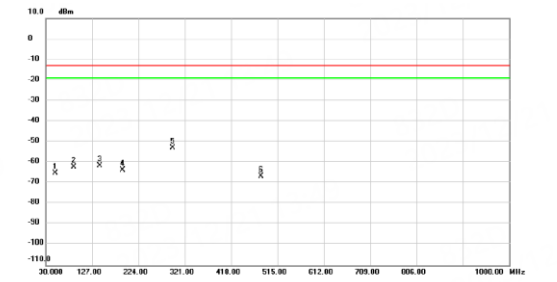
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2256	17.17	20.07	37.24	100.54	-63.30	AVG	
2	2.3738	8.33	20.02	28.35	69.54	-41.19	QP	
3 *	21.0898	7.88	21.07	28.95	69.54	-40.59	QP	

## **APPENDIX B - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1GHZ)**

Test Mode : WCDMA Band IV\_TX CH1413

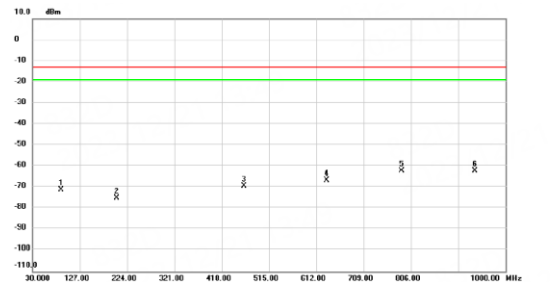
Test Mode : WCDMA Band IV\_TX CH1413

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	49.885	-62.81	-2.37	-65.18	-13.00	-52.18	peak	
2	88.200	-54.18	-8.02	-62.20	-13.00	-49.20	peak	
3	143.490	-59.09	-2.58	-61.67	-13.00	-48.67	peak	
4	191.505	-58.87	-4.78	-63.65	-13.00	-50.65	peak	
5 *	295.780	-51.05	-1.77	-52.82	-13.00	-39.82	peak	
6	480.080	-69.50	2.72	-66.78	-13.00	-53.78	peak	

### Horizontal

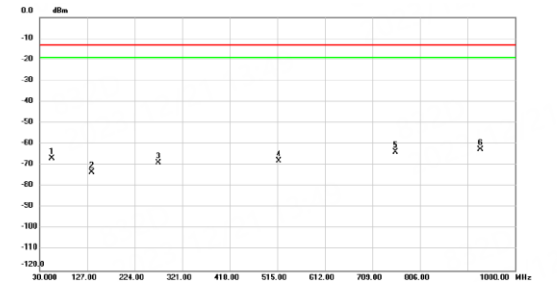


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-63.21	-8.07	-71.28	-13.00	-58.28	peak	
2	202.660	-69.61	-5.33	-74.94	-13.00	-61.94	peak	
3	464.075	-71.88	2.48	-69.40	-13.00	-56.40	peak	
4	633.340	-72.48	5.94	-66.54	-13.00	-53.54	peak	
5 *	787.085	-70.75	8.56	-62.19	-13.00	-49.19	peak	
6	936.950	-71.96	9.77	-62.19	-13.00	-49.19	peak	

Test Mode : LTE Band 4\_TX CH20175\_1.4MHz

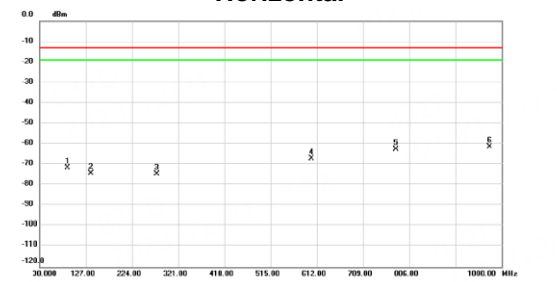
Test Mode : LTE Band 4\_TX CH20175\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	54.735	-64.30	-2.54	-66.84	-13.00	-53.84	peak	
2	137.185	-70.39	-3.06	-73.45	-13.00	-60.45	peak	
3	272.500	-66.19	-2.53	-68.72	-13.00	-55.72	peak	
4	517.910	-71.40	3.34	-68.06	-13.00	-55.06	peak	
5	755.560	-72.10	8.45	-63.65	-13.00	-50.65	peak	
6 *	929.675	-72.11	9.69	-62.42	-13.00	-49.42	peak	

### Horizontal

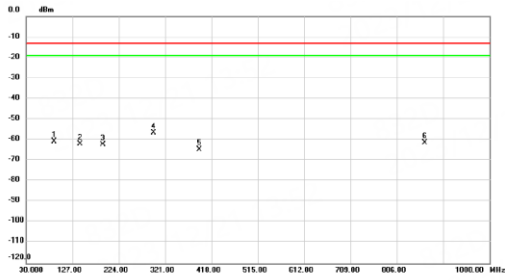


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-63.42	-8.07	-71.49	-13.00	-58.49	peak	
2	138.155	-71.31	-2.98	-74.29	-13.00	-61.29	peak	
3	275.895	-72.27	-2.37	-74.64	-13.00	-61.64	peak	
4	600.360	-72.55	5.38	-67.17	-13.00	-54.17	peak	
5	778.355	-71.19	8.53	-62.66	-13.00	-49.66	peak	
6 *	974.780	-71.35	10.01	-61.34	-13.00	-48.34	peak	

Test Mode : LTE Band 4\_TX CH20175\_5MHz

Test Mode : LTE Band 4\_TX CH20175\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	88.685	-52.75	-8.04	-60.79	-13.00	-47.79	peak	
2	143.490	-59.45	-2.58	-62.03	-13.00	-49.03	peak	
3	191.505	-57.32	-4.78	-62.10	-13.00	-49.10	peak	
4 *	296.750	-54.68	-1.75	-56.41	-13.00	-43.41	peak	
5	392.780	-65.31	0.54	-64.77	-13.00	-51.77	peak	
6	864.685	-70.27	8.91	-61.36	-13.00	-48.36	peak	

### Horizontal

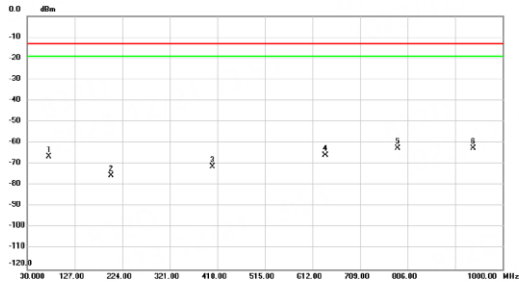


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-52.77	-8.07	-60.84	-13.00	-47.84	peak	
2	146.400	-60.42	-2.37	-62.79	-13.00	-49.79	peak	
3	189.565	-56.06	-4.63	-60.69	-13.00	-47.69	peak	
4 *	298.205	-48.21	-1.70	-50.91	-13.00	-37.91	peak	
5	480.080	-64.28	2.72	-61.56	-13.00	-48.56	peak	
6	791.935	-70.85	8.59	-62.26	-13.00	-49.26	peak	

Test Mode : LTE Band 4\_TX CH20175\_20MHz

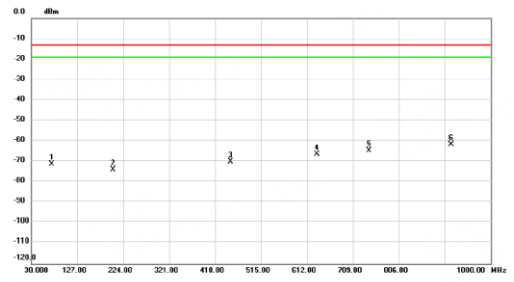
Test Mode : LTE Band 4\_TX CH20175\_20MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	74.135	-60.79	-5.53	-66.32	-13.00	-53.32	peak	
2	201.205	-70.26	-5.31	-75.57	-13.00	-62.57	peak	
3	407.815	-72.13	0.94	-71.19	-13.00	-58.19	peak	
4	638.675	-71.75	6.04	-65.71	-13.00	-52.71	peak	
5 *	785.630	-71.03	8.56	-62.47	-13.00	-49.47	peak	
6	939.660	-72.29	9.82	-62.47	-13.00	-49.47	peak	

### Horizontal

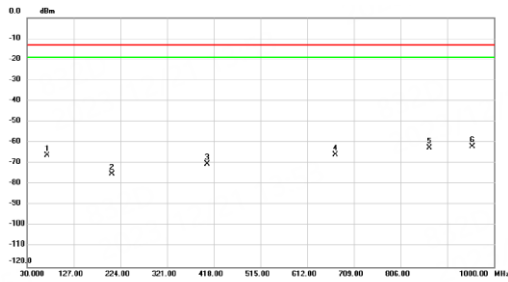


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	73.165	-65.97	-5.30	-71.27	-13.00	-58.27	peak	
2	203.145	-68.50	-5.34	-73.84	-13.00	-60.84	peak	
3	450.495	-72.42	2.29	-70.13	-13.00	-57.13	peak	
4	633.825	-72.43	5.95	-66.48	-13.00	-53.48	peak	
5	742.950	-72.71	8.20	-64.51	-13.00	-51.51	peak	
6 *	916.580	-71.22	9.55	-61.67	-13.00	-48.67	peak	

Test Mode : LTE Band 12\_TX CH23095\_1.4MHz

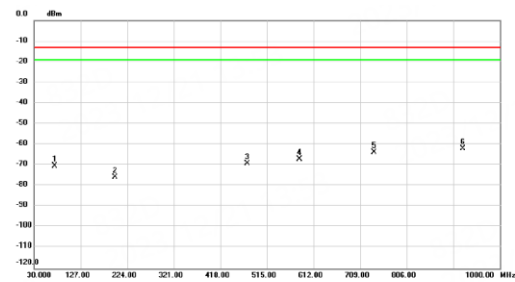
Test Mode : LTE Band 12\_TX CH23095\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	71.710	-61.27	-4.97	-66.24	-13.00	-53.24	peak	
2	206.055	-69.86	-5.39	-75.25	-13.00	-62.25	peak	
3	404.905	-71.14	0.84	-70.30	-13.00	-57.30	peak	
4	671.170	-72.48	6.49	-65.99	-13.00	-52.99	peak	
5	865.655	-71.58	8.92	-62.66	-13.00	-49.66	peak	
6 *	954.895	-71.91	9.94	-61.97	-13.00	-48.97	peak	

### Horizontal

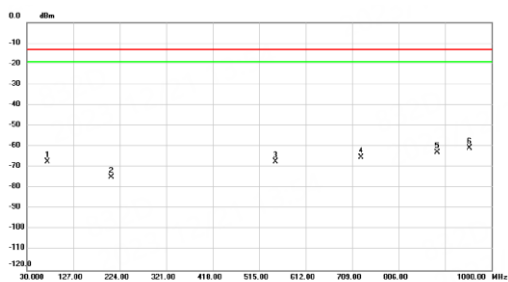


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	73.165	-65.07	-5.30	-70.37	-13.00	-57.37	peak	
2	198.295	-70.64	-5.19	-75.83	-13.00	-62.83	peak	
3	473.775	-71.74	2.62	-69.12	-13.00	-56.12	peak	
4	582.900	-71.87	4.89	-66.98	-13.00	-53.98	peak	
5	738.100	-71.85	8.05	-63.80	-13.00	-50.80	peak	
6 *	922.885	-71.64	9.62	-62.02	-13.00	-49.02	peak	

Test Mode : LTE Band 12\_TX CH23095\_5MHz

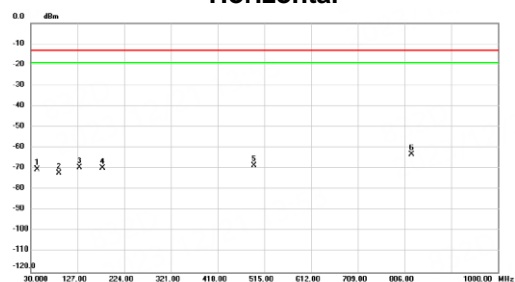
Test Mode : LTE Band 12\_TX CH23095\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	72.690	-62.02	-5.19	-67.21	-13.00	-54.21	peak	
2	206.540	-69.59	-5.39	-74.98	-13.00	-61.98	peak	
3	549.920	-71.22	3.95	-67.27	-13.00	-54.27	peak	
4	727.915	-73.02	7.73	-65.29	-13.00	-52.29	peak	
5	886.995	-71.95	9.19	-62.76	-13.00	-49.76	peak	
6 *	954.410	-70.76	9.94	-60.82	-13.00	-47.82	peak	

### Horizontal

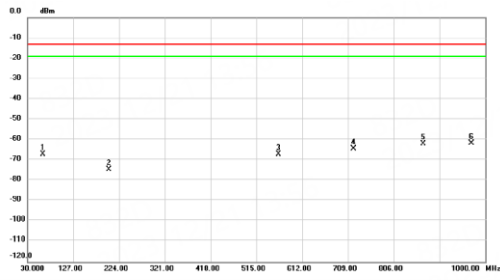


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	43.095	-67.70	-2.68	-70.38	-13.00	-57.38	peak	
2	88.200	-64.16	-8.02	-72.18	-13.00	-59.18	peak	
3	131.850	-66.00	-3.50	-69.50	-13.00	-56.50	peak	
4	179.380	-66.32	-3.45	-69.77	-13.00	-56.77	peak	
5	493.175	-71.32	2.89	-68.43	-13.00	-55.43	peak	
6 *	821.035	-71.79	8.66	-63.13	-13.00	-50.13	peak	

Test Mode : LTE Band 12\_TX CH23095\_10MHz

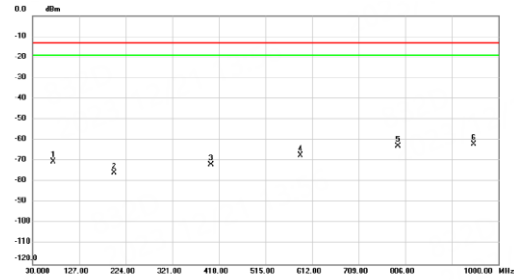
Test Mode : LTE Band 12\_TX CH23095\_10MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	63.485	-63.52	-3.46	-66.98	-13.00	-53.98	peak	
2	203.145	-69.08	-5.34	-74.42	-13.00	-61.42	peak	
3	562.530	-71.33	4.31	-67.02	-13.00	-54.02	peak	
4	720.640	-71.71	7.50	-64.21	-13.00	-51.21	peak	
5	898.080	-70.90	8.95	-61.95	-13.00	-48.95	peak	
6 *	971.385	-71.56	10.00	-61.56	-13.00	-48.56	peak	

### Horizontal

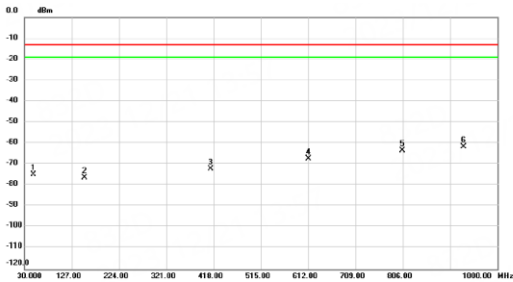


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	73.165	-65.12	-5.30	-70.42	-13.00	-57.42	peak	
2	200.235	-70.40	-5.29	-75.69	-13.00	-62.69	peak	
3	401.995	-72.46	0.74	-71.72	-13.00	-58.72	peak	
4	588.235	-72.27	5.03	-67.24	-13.00	-54.24	peak	
5	790.480	-71.51	8.58	-62.93	-13.00	-49.93	peak	
6 *	949.075	-71.74	9.92	-61.82	-13.00	-48.82	peak	

Test Mode : LTE Band 13\_TX CH23230\_5MHz

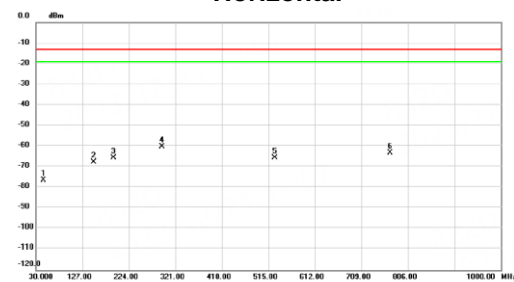
Test Mode : LTE Band 13\_TX CH23230\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	48.915	-72.40	-2.40	-74.80	-13.00	-61.80	peak	
2	153.675	-74.28	-2.11	-76.39	-13.00	-63.39	peak	
3	412.180	-73.16	1.07	-72.09	-13.00	-59.09	peak	
4	612.485	-73.06	5.59	-67.47	-13.00	-54.47	peak	
5	805.030	-72.07	8.63	-63.44	-13.00	-50.44	peak	
6 *	930.160	-71.46	9.70	-61.76	-13.00	-48.76	peak	

### Horizontal



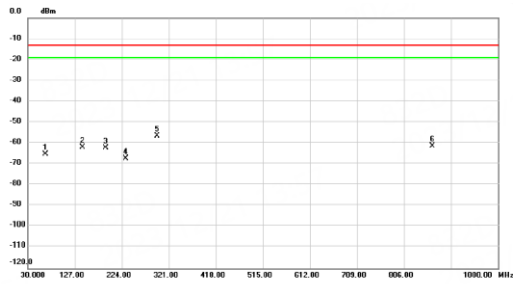
No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	46.490	-73.74	-2.46	-76.20	-13.00	-63.20	peak	
2	151.250	-65.66	-2.12	-67.78	-13.00	-54.78	peak	
3	191.990	-60.61	-4.81	-65.42	-13.00	-52.42	peak	
4 *	293.840	-58.45	-1.82	-60.27	-13.00	-47.27	peak	
5	528.095	-69.13	3.53	-65.60	-13.00	-52.60	peak	
6	768.655	-71.59	8.49	-63.10	-13.00	-50.10	peak	



Test Mode : LTE Band 13\_TX CH23230\_10MHz

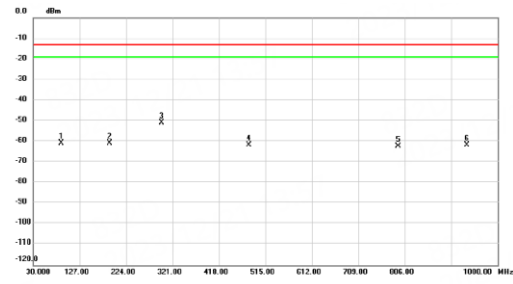
Test Mode : LTE Band 13\_TX CH23230\_10MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	67.345	-61.18	-4.10	-65.28	-13.00	-52.28	peak	
2	143.490	-59.45	-2.58	-62.03	-13.00	-49.03	peak	
3	191.505	-57.32	-4.78	-62.10	-13.00	-49.10	peak	
4	231.760	-62.75	-4.48	-67.23	-13.00	-54.23	peak	
5 *	296.750	-54.66	-1.75	-56.41	-13.00	-43.41	peak	
6	864.685	-70.27	8.91	-61.36	-13.00	-48.36	peak	

### Horizontal

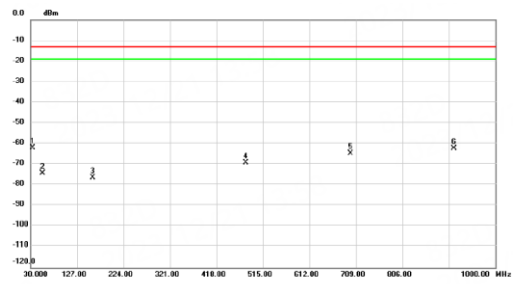


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-52.77	-8.07	-60.84	-13.00	-47.84	peak	
2	189.565	-56.06	-4.63	-60.69	-13.00	-47.69	peak	
3 *	298.205	-49.21	-1.70	-50.91	-13.00	-37.91	peak	
4	480.080	-64.28	2.72	-61.56	-13.00	-48.56	peak	
5	791.935	-70.85	8.59	-62.26	-13.00	-49.26	peak	
6	935.495	-71.56	9.76	-61.80	-13.00	-48.80	peak	

Test Mode : LTE Band 66\_TX CH132322\_1.4MHz

Test Mode : LTE Band 66\_TX CH132322\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	34.365	-58.30	-3.58	-61.88	-13.00	-48.88	peak	
2	55.220	-71.67	-2.58	-74.23	-13.00	-61.23	peak	
3	159.495	-74.12	-2.11	-76.23	-13.00	-63.23	peak	
4	479.110	-71.95	2.69	-69.26	-13.00	-56.26	peak	
5	697.360	-71.40	6.82	-64.58	-13.00	-51.58	peak	
6	913.670	-71.90	9.51	-62.39	-13.00	-49.39	peak	

### Horizontal

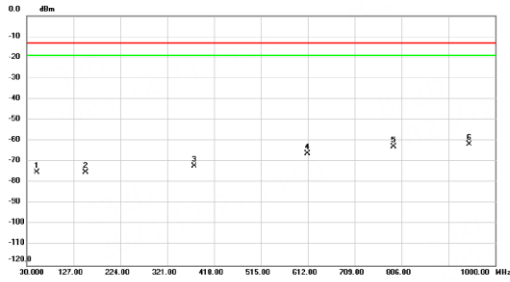


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	52.795	-57.51	-2.47	-59.98	-13.00	-46.98	peak	
2	161.920	-72.82	-2.16	-74.98	-13.00	-61.98	peak	
3	412.180	-72.81	1.07	-71.74	-13.00	-58.74	peak	
4	606.180	-73.02	5.48	-67.54	-13.00	-54.54	peak	
5	748.770	-72.35	8.38	-63.97	-13.00	-50.97	peak	
6	894.270	-71.17	9.28	-61.89	-13.00	-48.89	peak	

Test Mode : LTE Band 66\_TX CH132322\_5MHz

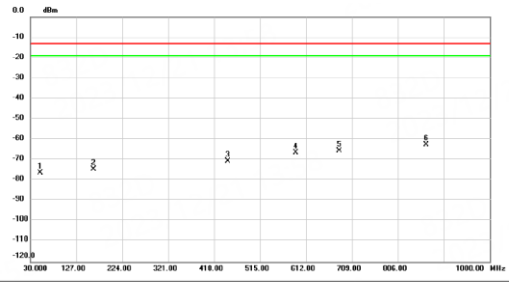
Test Mode : LTE Band 66\_TX CH132322\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	51.340	-72.62	-2.41	-75.03	-13.00	-62.03	peak	
2	152.705	-73.02	-2.11	-75.13	-13.00	-62.13	peak	
3	376.775	-72.44	0.21	-72.23	-13.00	-59.23	peak	
4	611.030	-71.63	5.56	-66.07	-13.00	-53.07	peak	
5	789.510	-71.43	8.58	-62.85	-13.00	-49.85	peak	
6 *	945.680	-71.67	9.88	-61.79	-13.00	-48.79	peak	

### Horizontal

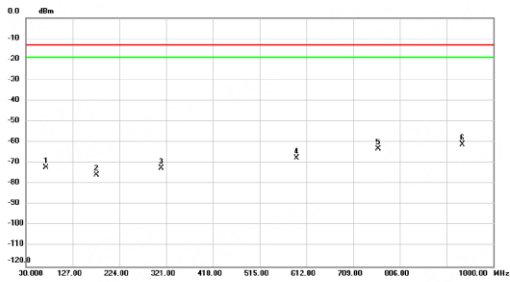


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	50.855	-73.80	-2.40	-76.20	-13.00	-63.20	peak	
2	164.345	-72.43	-2.23	-74.66	-13.00	-61.66	peak	
3	447.100	-72.98	2.18	-70.80	-13.00	-57.80	peak	
4	591.145	-71.72	5.12	-66.60	-13.00	-53.60	peak	
5	682.810	-72.27	6.63	-65.64	-13.00	-52.64	peak	
6 *	866.140	-71.40	8.93	-62.47	-13.00	-49.47	peak	

Test Mode : LTE Band 66\_TX CH132322\_20MHz

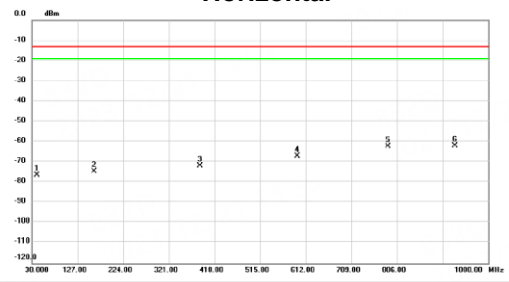
Test Mode : LTE Band 66\_TX CH132322\_20MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	72.195	-66.99	-5.08	-72.07	-13.00	-59.07	peak	
2	176.955	-72.53	-3.17	-75.70	-13.00	-62.70	peak	
3	311.300	-71.18	-1.29	-72.47	-13.00	-59.47	peak	
4	591.630	-72.88	5.13	-67.75	-13.00	-54.75	peak	
5	761.865	-71.52	8.46	-63.06	-13.00	-50.06	peak	
6 *	935.495	-70.75	9.76	-60.99	-13.00	-47.99	peak	

### Horizontal

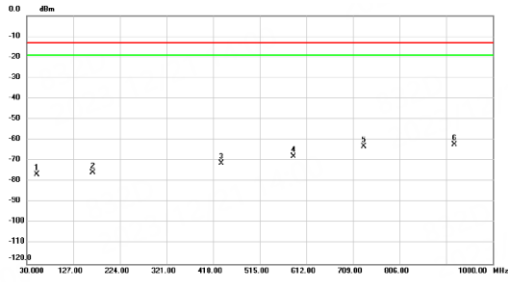


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	41.155	-73.61	-2.88	-76.49	-13.00	-63.49	peak	
2	162.405	-72.32	-2.17	-74.49	-13.00	-61.49	peak	
3	386.960	-72.43	0.45	-71.98	-13.00	-58.98	peak	
4	595.025	-72.25	5.22	-67.03	-13.00	-54.03	peak	
5	787.085	-70.84	8.56	-62.28	-13.00	-49.28	peak	
6 *	929.675	-71.58	9.69	-61.89	-13.00	-48.89	peak	

Test Mode : LTE Band 71\_TX CH133297\_5MHz

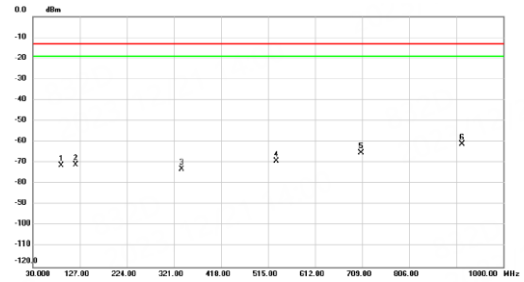
Test Mode : LTE Band 71\_TX CH133297\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	51.825	-74.17	-2.43	-76.60	-13.00	-63.60	peak	
2	168.225	-73.48	-2.35	-75.83	-13.00	-62.83	peak	
3	434.975	-73.10	1.80	-71.30	-13.00	-58.30	peak	
4	584.840	-73.02	4.94	-68.08	-13.00	-55.08	peak	
5	731.795	-70.95	7.84	-63.11	-13.00	-50.11	peak	
6 *	919.975	-71.79	9.58	-62.21	-13.00	-49.21	peak	

### Horizontal

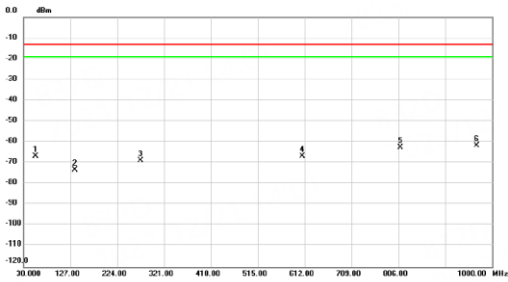


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-63.04	-8.07	-71.11	-13.00	-58.11	peak	
2	118.755	-66.21	-4.68	-70.89	-13.00	-57.89	peak	
3	337.005	-72.33	-6.67	-73.00	-13.00	-60.00	peak	
4	532.945	-72.91	3.63	-69.28	-13.00	-56.28	peak	
5	707.060	-72.29	7.07	-65.22	-13.00	-52.22	peak	
6 *	915.125	-70.59	9.53	-61.06	-13.00	-48.06	peak	

Test Mode : LTE Band 71\_TX CH133322\_20MHz

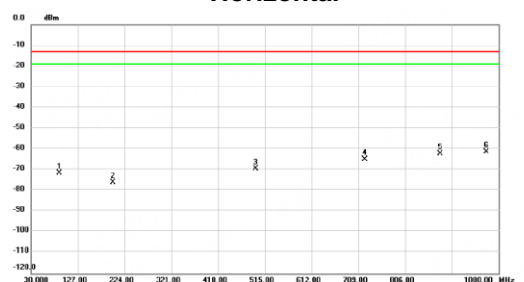
Test Mode : LTE Band 71\_TX CH133322\_20MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	54.735	-64.30	-2.54	-66.84	-13.00	-53.84	peak	
2	137.185	-70.39	-3.06	-73.45	-13.00	-60.45	peak	
3	272.500	-66.19	-2.53	-68.72	-13.00	-55.72	peak	
4	607.150	-72.22	5.49	-66.73	-13.00	-53.73	peak	
5	810.850	-71.23	8.65	-62.58	-13.00	-49.58	peak	
6 *	967.990	-71.65	9.99	-61.66	-13.00	-48.66	peak	

### Horizontal



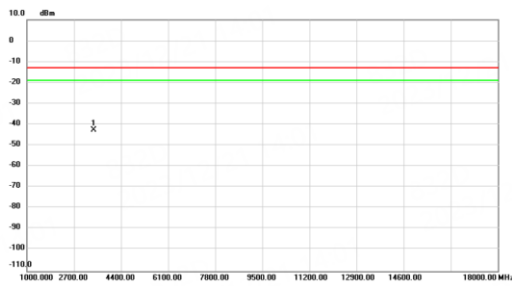
No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	89.170	-63.42	-8.07	-71.49	-13.00	-58.49	peak	
2	199.750	-70.92	-5.27	-76.19	-13.00	-63.19	peak	
3	495.600	-72.51	2.93	-69.58	-13.00	-56.58	peak	
4	722.580	-72.38	7.56	-64.82	-13.00	-51.82	peak	
5	879.235	-71.42	9.10	-62.32	-13.00	-49.32	peak	
6 *	974.780	-71.35	10.01	-61.34	-13.00	-48.34	peak	

## **APPENDIX C - RADIATED SPURIOUS EMISSIONS (ABOVE 1GHZ)**

Test Mode : WCDMA Band IV\_TX CH1413

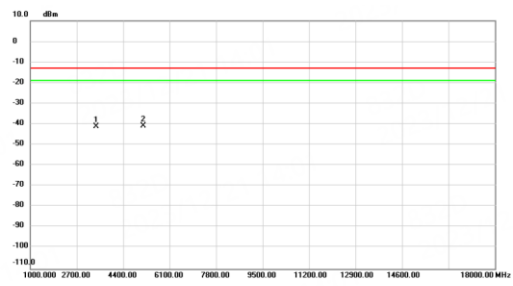
Test Mode : WCDMA Band IV\_TX CH1413

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3422.500	-51.62	9.06	-42.56	-13.00	-29.56	peak	

### Horizontal

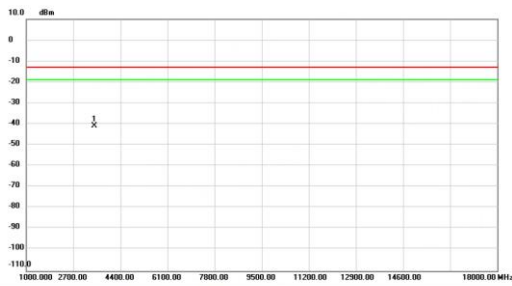


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	3422.500	-50.14	9.06	-41.08	-13.00	-28.08	peak	
2 *	5139.500	-54.84	14.06	-40.78	-13.00	-27.78	peak	

Test Mode : LTE Band 4\_TX CH20175\_1.4MHz

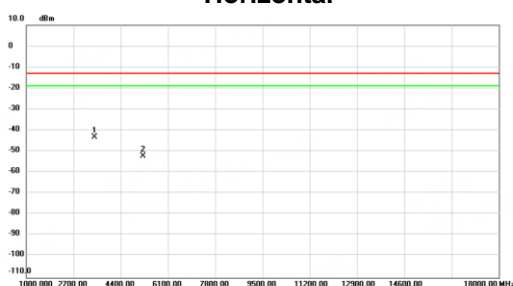
Test Mode : LTE Band 4\_TX CH20175\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3465.000	-49.95	9.15	-40.80	-13.00	-27.80	peak	

### Horizontal

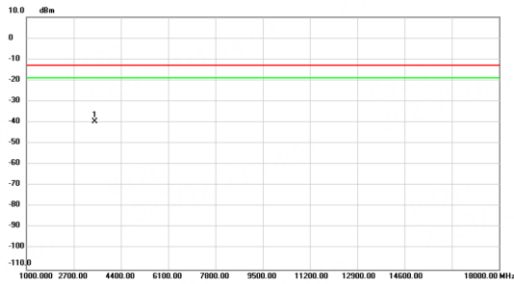


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3465.000	-52.26	9.15	-43.11	-13.00	-30.11	peak	
2	5199.000	-66.16	14.06	-52.10	-13.00	-39.10	peak	

Test Mode : LTE Band 4\_TX CH20175\_5MHz

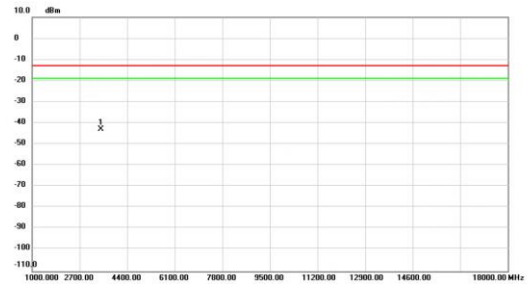
Test Mode : LTE Band 4\_TX CH20175\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3465.000	-48.80	9.15	-39.65	-13.00	-26.65	peak	

### Horizontal

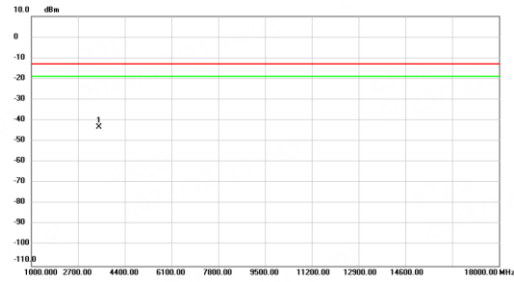


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3456.500	-51.99	9.12	-42.87	-13.00	-29.87	peak	

Test Mode : LTE Band 4\_TX CH20175\_20MHz

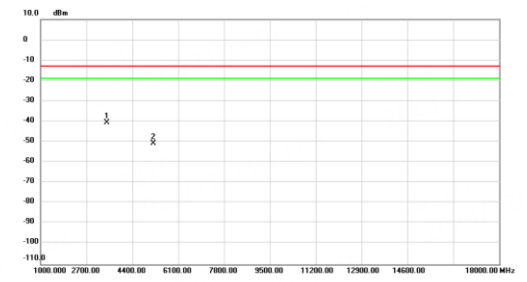
Test Mode : LTE Band 4\_TX CH20175\_20MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3446.000	-52.49	9.11	-43.38	-13.00	-30.38	peak	

### Horizontal

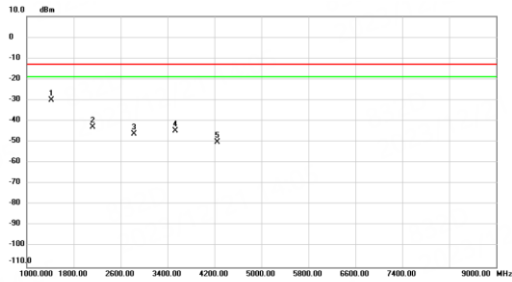


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3448.000	-49.56	9.11	-40.45	-13.00	-27.45	peak	
2	5173.500	-64.67	14.06	-50.61	-13.00	-37.61	peak	

Test Mode : LTE Band 12\_TX CH23095\_1.4MHz

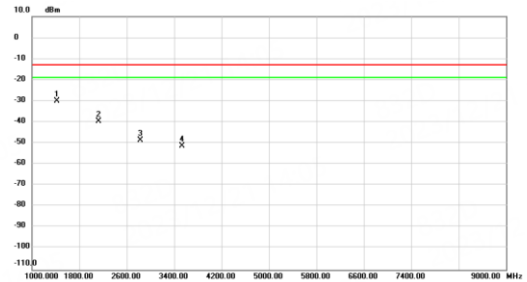
Test Mode : LTE Band 12\_TX CH23095\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1416.000	-34.64	4.66	-29.98	-13.00	-16.98	peak	
2	2120.000	-49.35	6.44	-42.91	-13.00	-29.91	peak	
3	2828.000	-53.91	7.75	-46.16	-13.00	-33.16	peak	
4	3536.000	-54.11	9.37	-44.74	-13.00	-31.74	peak	
5	4244.000	-62.06	11.90	-50.16	-13.00	-37.16	peak	

### Horizontal

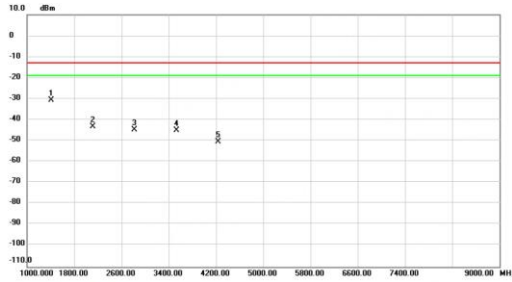


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1416.000	-34.82	4.66	-30.16	-13.00	-17.16	peak	
2	2120.000	-45.97	6.44	-39.53	-13.00	-26.53	peak	
3	2828.000	-56.35	7.75	-48.60	-13.00	-35.60	peak	
4	3536.000	-60.86	9.37	-51.49	-13.00	-38.49	peak	

Test Mode : LTE Band 12\_TX CH23095\_5MHz

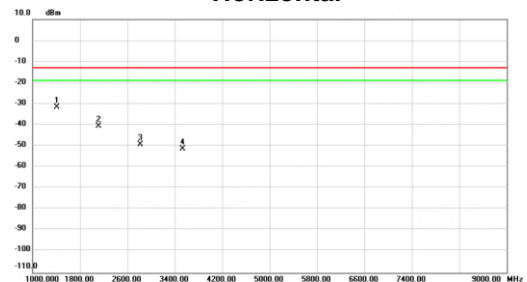
Test Mode : LTE Band 12\_TX CH23095\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1412.000	-35.38	4.65	-30.73	-13.00	-17.73	peak	
2	2116.000	-49.62	6.44	-43.18	-13.00	-30.18	peak	
3	2820.000	-52.56	7.73	-44.83	-13.00	-31.83	peak	
4	3528.000	-54.32	9.33	-44.99	-13.00	-31.99	peak	
5	4232.000	-62.28	11.88	-50.40	-13.00	-37.40	peak	

### Horizontal

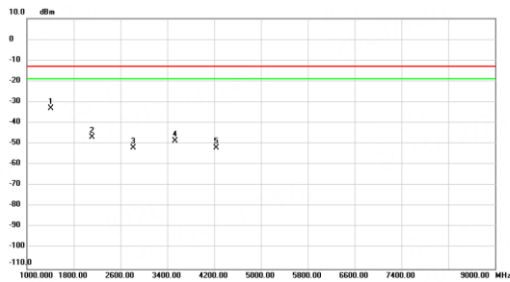


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1412.000	-36.06	4.65	-31.41	-13.00	-18.41	peak	
2	2116.000	-47.07	6.44	-40.63	-13.00	-27.63	peak	
3	2820.000	-56.98	7.73	-49.25	-13.00	-36.25	peak	
4	3528.000	-60.80	9.33	-51.47	-13.00	-38.47	peak	

Test Mode : LTE Band 12\_TX CH23095\_10MHz

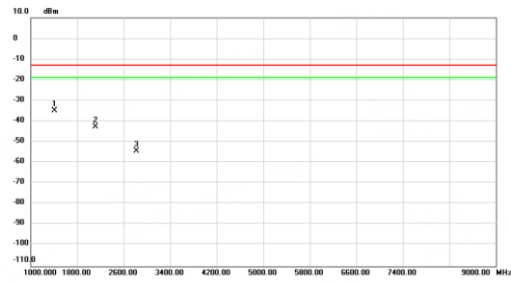
Test Mode : LTE Band 12\_TX CH23095\_10MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1412.000	-37.77	4.65	-33.12	-13.00	-20.12	peak	
2	2116.000	-53.14	6.44	-46.70	-13.00	-33.70	peak	
3	2820.000	-59.78	7.73	-52.05	-13.00	-39.05	peak	
4	3528.000	-58.03	9.33	-48.70	-13.00	-35.70	peak	
5	4232.000	-63.69	11.88	-51.81	-13.00	-38.81	peak	

### Horizontal

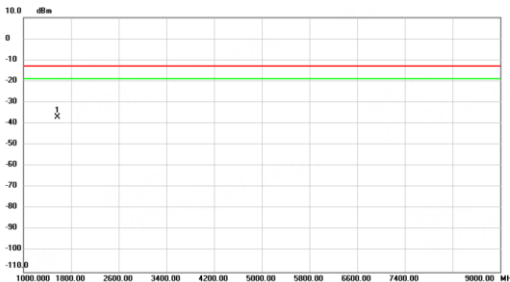


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1412.000	-39.59	4.65	-34.94	-13.00	-21.94	peak	
2	2116.000	-49.04	6.44	-42.60	-13.00	-29.60	peak	
3	2820.000	-62.09	7.73	-54.36	-13.00	-41.36	peak	

Test Mode : LTE Band 13\_TX CH23230\_5MHz

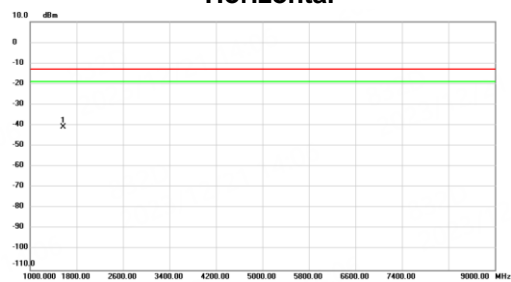
Test Mode : LTE Band 13\_TX CH23230\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1568.000	-42.00	5.05	-36.95	-13.00	-23.95	peak	

### Horizontal



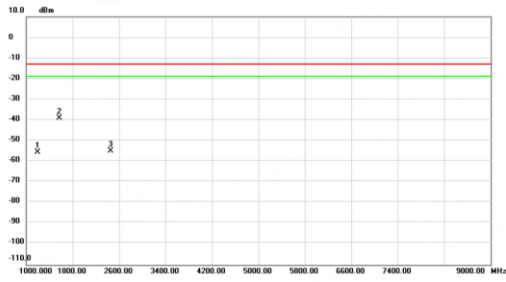
No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1568.000	-45.85	5.05	-40.80	-13.00	-27.80	peak	



Test Mode : LTE Band 13\_TX CH23230\_10MHz

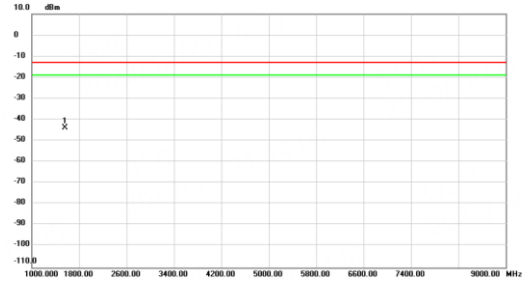
Test Mode : LTE Band 13\_TX CH23230\_10MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	1200.000	-59.64	4.16	-55.48	-13.00	-42.48	peak	
2 *	1568.000	-44.20	5.05	-39.15	-13.00	-26.15	peak	
3	2456.000	-61.90	6.93	-54.97	-13.00	-41.97	peak	

### Horizontal

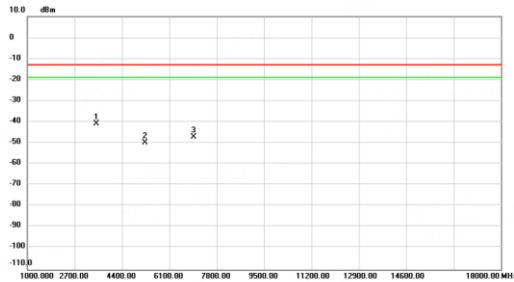


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1568.000	-48.96	5.03	-43.93	-13.00	-30.93	peak	

Test Mode : LTE Band 66\_TX CH132322\_1.4MHz

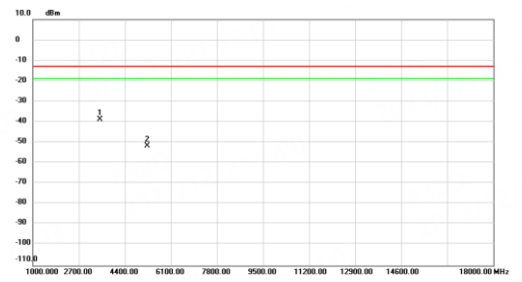
Test Mode : LTE Band 66\_TX CH132322\_1.4MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3490.500	-50.05	9.20	-40.85	-13.00	-27.85	peak	
2	5233.000	-63.98	14.06	-49.92	-13.00	-36.92	peak	
3	6975.500	-64.52	17.46	-47.06	-13.00	-34.06	peak	

### Horizontal

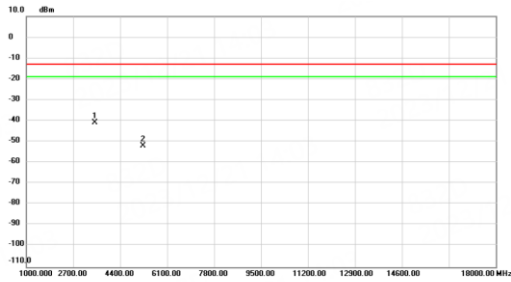


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3490.500	-47.96	9.20	-38.76	-13.00	-25.76	peak	
2	5233.000	-65.61	14.06	-51.55	-13.00	-38.55	peak	

Test Mode : LTE Band 66\_TX CH132322\_5MHz

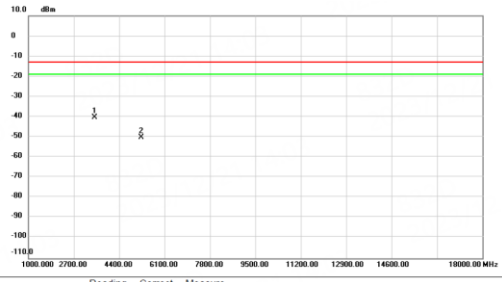
Test Mode : LTE Band 66\_TX CH132322\_5MHz

**Vertical**



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3482.000	-49.92	9.18	-40.74	-13.00	-27.74	peak	
2	5224.500	-65.88	14.06	-51.82	-13.00	-38.82	peak	

**Horizontal**

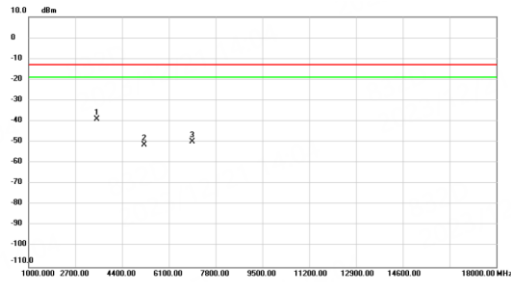


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3482.000	-49.34	9.18	-40.16	-13.00	-27.16	peak	
2	5224.500	-64.18	14.06	-50.12	-13.00	-37.12	peak	

Test Mode : LTE Band 66\_TX CH132322\_20MHz

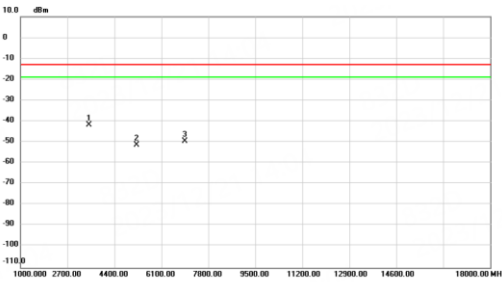
Test Mode : LTE Band 66\_TX CH132322\_20MHz

**Vertical**



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3473.500	-48.29	9.17	-39.12	-13.00	-26.12	peak	
2	5207.500	-65.33	14.06	-51.27	-13.00	-38.27	peak	
3	6941.500	-67.34	17.47	-49.87	-13.00	-36.87	peak	

**Horizontal**

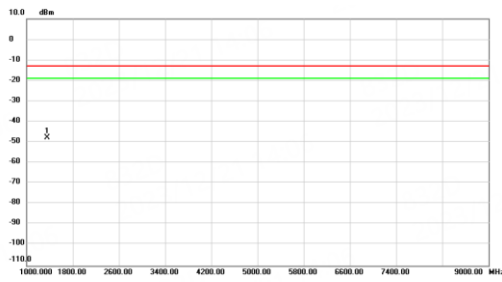


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	3473.500	-50.82	9.17	-41.65	-13.00	-28.65	peak	
2	5207.500	-65.33	14.06	-51.27	-13.00	-38.27	peak	
3	6941.500	-66.98	17.47	-49.51	-13.00	-36.51	peak	

Test Mode : LTE Band 71\_TX CH133297\_5MHz

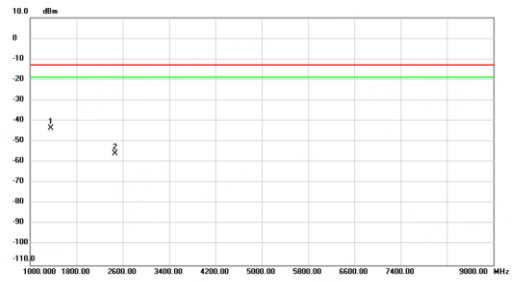
Test Mode : LTE Band 71\_TX CH133297\_5MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1360.000	-52.27	4.53	-47.74	-13.00	-34.74	peak	

### Horizontal

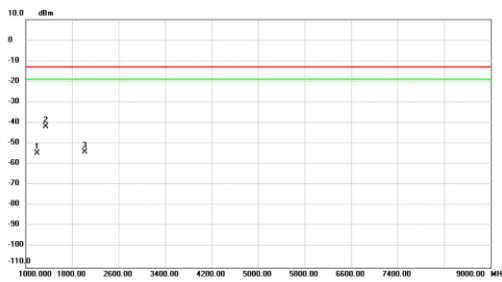


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1360.000	-47.95	4.53	-43.42	-13.00	-30.42	peak	
2	2464.000	-62.87	6.94	-55.93	-13.00	-42.93	peak	

Test Mode : LTE Band 71\_TX CH133322\_20MHz

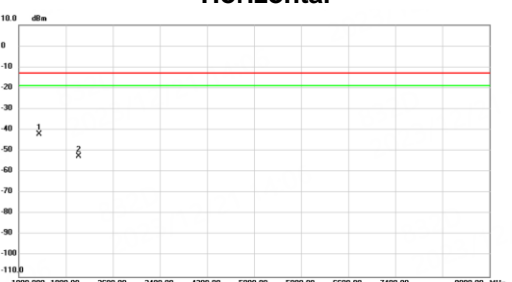
Test Mode : LTE Band 71\_TX CH133322\_20MHz

### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	1200.000	-58.86	4.16	-54.70	-13.00	-41.70	peak	
2 *	1344.000	-46.14	4.50	-41.64	-13.00	-28.64	peak	
3	2016.000	-60.31	6.29	-54.02	-13.00	-41.02	peak	

### Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	1344.000	-46.49	4.50	-41.99	-13.00	-28.99	peak	
2	2016.000	-58.84	6.29	-52.55	-13.00	-39.55	peak	

End of Test Report