



FCC RADIO TEST REPORT

FCC ID : QYLEM7511A
Equipment : Radio Module
Brand Name : Getac
Model Name : EM7511
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist.,
Taipei City 115018, Taiwan, R.O.C.
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Feb. 11, 2025 and testing was performed from Feb. 18, 2025 to Mar. 07, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG521108B	01	Initial issue of report	Mar. 25, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 26)		
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 66)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)§90.691	Radiated Spurious Emission (Band 2) (Band 12) (Band 13) (Band 26) (Band 66)	Pass	
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Remark: The test plans were by manufacturer definition.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Michelle Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax, and GNSS.	
Antenna Type WWAN: PIFA Antenna	
Installed into Host	Equipment Name: Tablet PC Brand Name: Getac Model Name: A140, A140G2, A140Y (Y= 10 characters, Y can be 0-9, a-z, A-Z, "-", "_" or blank for marketing purpose and no impact safety related critical components and constructions.)

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B26, B41, B66
Evaluated and Tested band	B2, B7, B12, B13, B14, B26, B41, B66

Power Class				
	PC3	PC2		
B2	√			
B4	√			
B5	√	-		
B7	√			
B12	√			
B13	√			
B14	√			
B26	√			
B41	√			
B66	√			



Antenna information							
Band	Ant1	Ant2	Ant2	Ant5	Ant6	Main Ant. #	Sub Ant. #
B2	3.39						
B4	4.02						
B5	2.13						
B7	-2.47						
B12	-2.29						
B13	2.7						
B14	2.7						
B26	2.18						
B41	-2.47						
B66	4.02						

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333
Test Site No.	Sporton Site No.
	TH03-HY
Test Engineer	Yuki Chen
Temperature (°C)	22.3~22.9
Relative Humidity (%)	53.2~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	Sporton Site No.
	03CH12-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

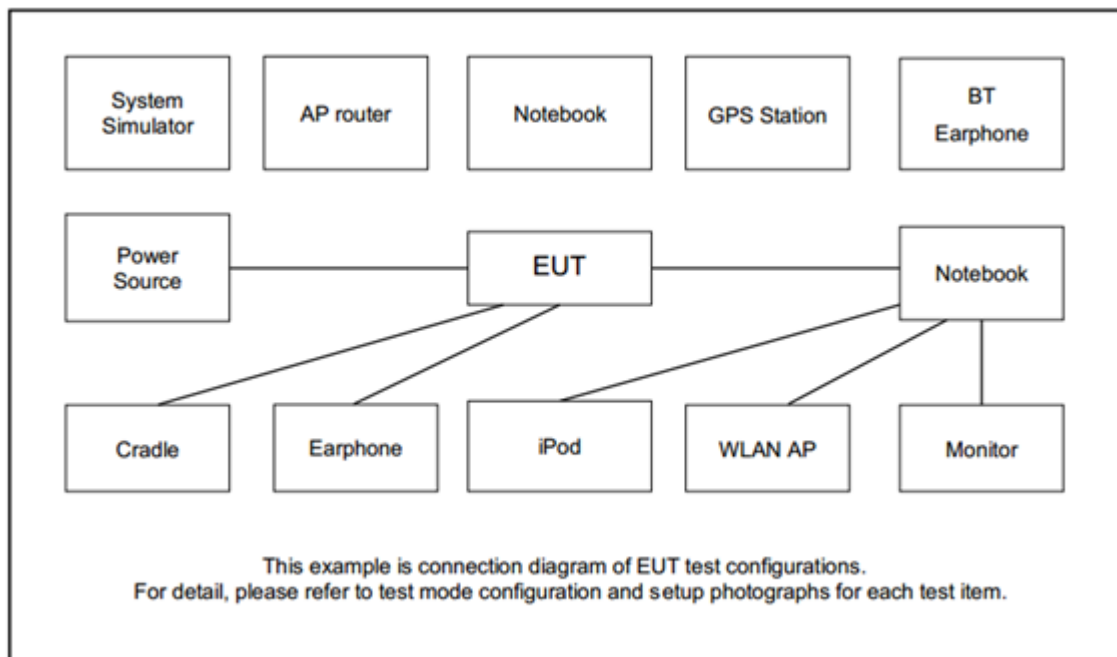
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1RB	L, M, H
EIRP/ ERP	A, B, C	All	1RB	L, M, H
RSE	A	20 MHz or less	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. All the test cases were performed with AC Adapter 3.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A



2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5



LTE Band 26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	cross-rule channels		
15	Channel	26765	26790	-
	Frequency	821.5	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5

LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3



LTE Band 7C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5

LTE Band 41C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0

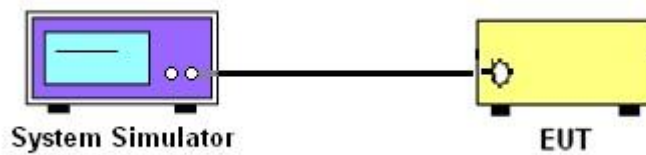
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 26 (Part 22H)

The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13, Band 14

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 7, Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

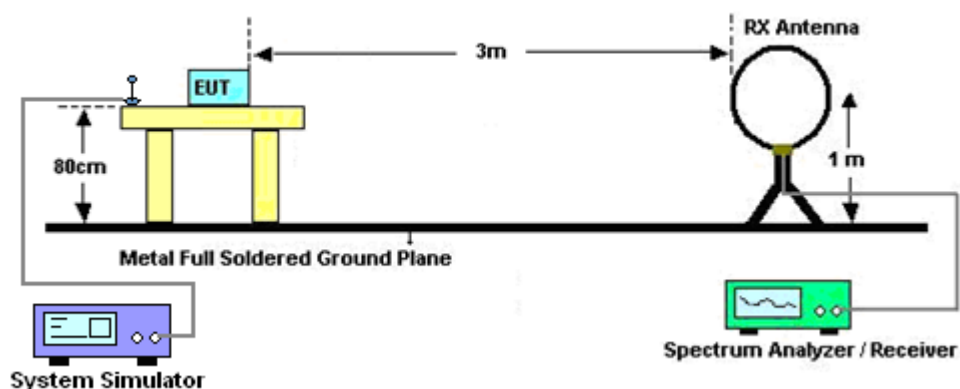
4 Radiated Test Items

4.1 Measuring Instruments

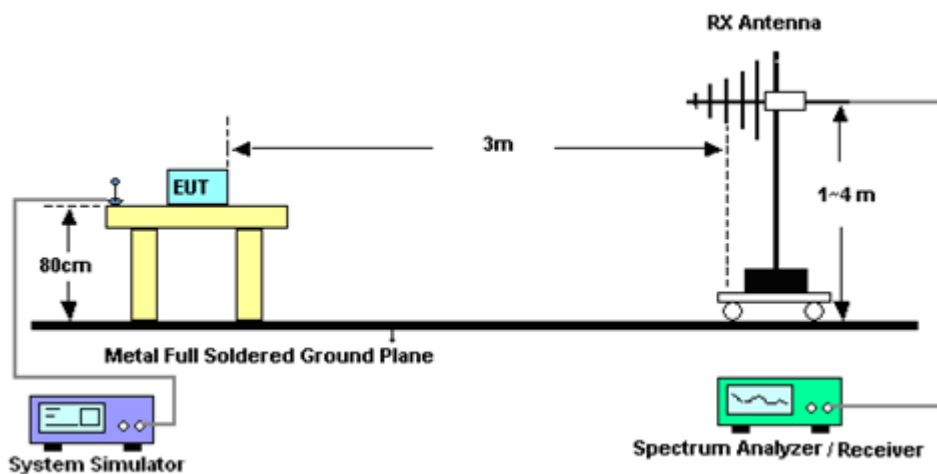
See list of measuring instruments of this test report.

4.1.1 Test Setup

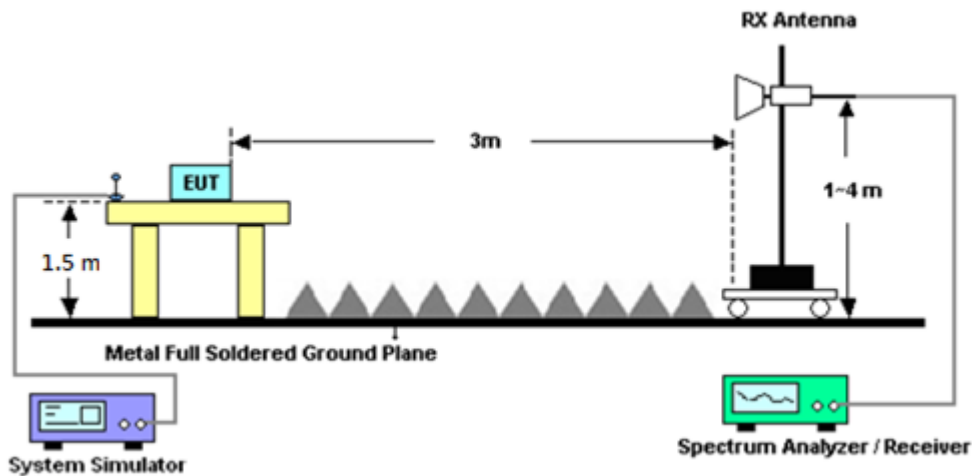
For radiated test below 30MHz



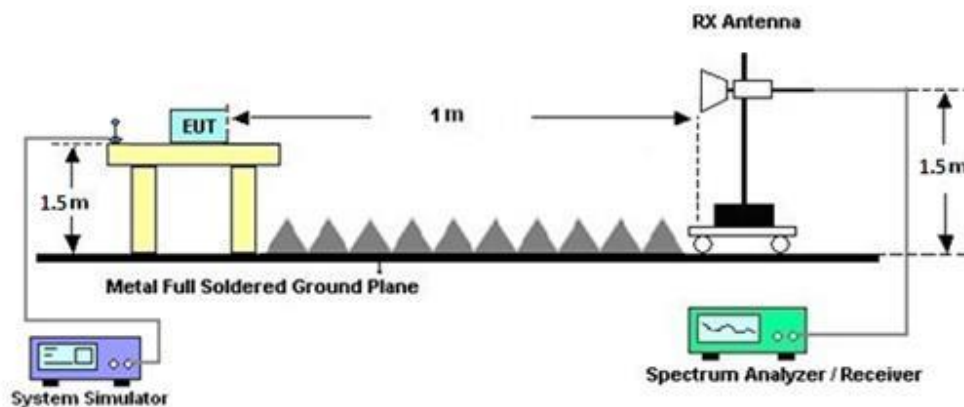
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 7, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

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 equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 14

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.



4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Mar. 06, 2025~ Mar. 07, 2025	Dec. 17, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	Mar. 06, 2025~ Mar. 07, 2025	Nov. 26, 2025	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 11, 2024	Mar. 06, 2025~ Mar. 07, 2025	Jul. 10, 2025	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900269	1GHz-18GHz	Dec. 19, 2024	Mar. 06, 2025~ Mar. 07, 2025	Dec. 18, 2025	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Aug. 09, 2024	Mar. 06, 2025~ Mar. 07, 2025	Aug. 08, 2025	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 09, 2024	Mar. 06, 2025~ Mar. 07, 2025	Sep. 08, 2025	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Mar. 06, 2025~ Mar. 07, 2025	Jun. 23, 2025	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2024	Mar. 06, 2025~ Mar. 07, 2025	Dec. 01, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000-6 OSS	SN11	1GHz High Pass Filter	Mar. 13, 2024	Mar. 06, 2025~ Mar. 07, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 13, 2024	Mar. 06, 2025~ Mar. 07, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 OST	SN2	3GHz High Pass Filter	Mar. 13, 2024	Mar. 06, 2025~ Mar. 07, 2025	Mar. 12, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz~30MHz	Feb. 20, 2025	Mar. 06, 2025~ Mar. 07, 2025	Feb. 19, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 19, 2024	Mar. 06, 2025~ Mar. 07, 2025	Dec. 18, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Nov. 01, 2024	Mar. 06, 2025~ Mar. 07, 2025	Oct. 31, 2025	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM- KM-100	240907	30MHz~40GHz	Nov. 14, 2024	Mar. 06, 2025~ Mar. 07, 2025	Dec. 13, 2025	Radiation (03CH12-HY)
Hygrometer	TECEPEL	DTM-303B	TP210090	N/A	Aug. 29, 2024	Mar. 06, 2025~ Mar. 07, 2025	Aug. 28, 2025	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 06, 2025~ Mar. 07, 2025	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 06, 2025~ Mar. 07, 2025	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 06, 2025~ Mar. 07, 2025	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Mar. 06, 2025~ Mar. 07, 2025	N/A	Radiation (03CH12-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Feb. 18, 2025~ Feb. 24, 2025	Sep. 01, 2025	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40℃ ~90℃	Sep. 06, 2024	Feb. 18, 2025~ Feb. 24, 2025	Sep. 05, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V : 0A~6A	Nov. 27, 2024	Feb. 18, 2025~ Feb. 24, 2025	Nov. 26, 2025	Conducted (TH03-HY)
Coupler+10dB + Rf cable	Warison + WoKen + E-Instrument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1+# 7	1-18GHz	Jan. 03, 2025	Feb. 18, 2025~ Feb. 24, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Feb. 18, 2025~ Feb. 24, 2025	Jun. 12, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Feb. 18, 2025~ Feb. 24, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECEPEL	DTM-303B	TP210073	-10 ~ 50℃ / 20 ~ 95%RH	Jun. 05, 2024	Feb. 18, 2025~ Feb. 24, 2025	Jun. 04, 2025	Conducted (TH03-HY)



6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.3 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.00	23.06	23.30	25.68	0.3698
20	1	49		22.88	22.84	23.05		
20	1	99		22.77	22.88	22.98		
20	50	0		21.98	21.96	22.18		
20	50	24		21.89	21.86	22.11		
20	50	50		21.85	21.92	22.07		
20	100	0		21.92	21.89	22.14		
20	1	0	16-QAM	22.30	22.22	22.63	25.01	0.3170
20	1	49		22.17	22.19	22.35		
20	1	99		22.08	22.11	22.31		
20	50	0		21.02	20.95	21.21		
20	50	24		20.96	20.92	21.15		
20	50	50		20.90	20.97	21.09		
20	100	0		20.93	20.89	21.13		
20	1	0	64-QAM	21.15	21.13	21.47	23.85	0.2427
20	1	49		21.02	21.10	21.24		
20	1	99		20.98	21.01	21.21		
20	50	0		20.03	19.96	20.25		
20	50	24		19.95	19.91	20.14		
20	50	50		19.93	19.94	20.10		
20	100	0		19.92	19.88	20.14		
Limit	EIRP < 2W			Result			Pass	



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LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.87	22.93	23.18	25.56	0.3597
15	1	37		22.72	22.72	22.92		
15	1	74		22.65	22.77	22.86		
15	36	0		21.79	21.76	22.07		
15	36	20		21.74	21.74	21.94		
15	36	39		21.68	21.78	21.91		
15	75	0		21.72	21.71	21.97		
15	1	0	16-QAM	22.13	22.09	22.49	24.87	0.3069
15	1	37		22.06	22.03	22.17		
15	1	74		21.95	21.92	22.12		
15	36	0		20.89	20.78	21.04		
15	36	20		20.83	20.77	21.02		
15	36	39		20.75	20.83	20.91		
15	75	0		20.73	20.72	20.93		
15	1	0	64-QAM	20.98	20.94	21.31	23.69	0.2339
15	1	37		20.83	20.98	21.06		
15	1	74		20.82	20.82	21.01		
15	36	0		19.92	19.84	20.09		
15	36	20		19.80	19.72	20.00		
15	36	39		19.81	19.75	20.00		
15	75	0		19.80	19.77	19.95		
Limit	EIRP < 2W			Result			Pass	



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LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.88	22.95	23.10	25.48	0.3532
10	1	25		22.70	22.74	22.94		
10	1	49		22.60	22.69	22.85		
10	25	0		21.79	21.86	22.03		
10	25	12		21.77	21.70	21.98		
10	25	25		21.69	21.76	21.93		
10	50	0		21.75	21.75	22.03		
10	1	0	16-QAM	22.12	22.12	22.49	24.87	0.3069
10	1	25		22.00	22.08	22.17		
10	1	49		21.96	22.00	22.16		
10	25	0		20.87	20.85	21.05		
10	25	12		20.79	20.76	21.04		
10	25	25		20.78	20.80	20.92		
10	50	0		20.76	20.73	20.97		
10	1	0	64-QAM	20.96	21.00	21.37	23.75	0.2371
10	1	25		20.90	20.92	21.08		
10	1	49		20.85	20.82	21.03		
10	25	0		19.89	19.78	20.06		
10	25	12		19.76	19.77	19.99		
10	25	25		19.73	19.75	19.90		
10	50	0		19.79	19.77	19.98		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.88	22.91	23.20	25.58	0.3614
5	1	12		22.74	22.71	22.89		
5	1	24		22.63	22.71	22.83		
5	12	0		21.81	21.77	22.05		
5	12	7		21.77	21.69	21.92		
5	12	13		21.70	21.79	21.89		
5	25	0		21.74	21.74	22.03		
5	1	0	16-QAM	22.20	22.03	22.43	24.81	0.3027
5	1	12		22.04	22.05	22.21		
5	1	24		21.95	21.93	22.18		
5	12	0		20.92	20.82	21.08		
5	12	7		20.82	20.82	21.03		
5	12	13		20.80	20.78	20.99		
5	25	0		20.77	20.73	20.94		
5	1	0	64-QAM	21.03	20.94	21.35	23.73	0.2360
5	1	12		20.88	21.00	21.04		
5	1	24		20.82	20.81	21.11		
5	12	0		19.85	19.76	20.12		
5	12	7		19.78	19.73	19.94		
5	12	13		19.83	19.79	19.99		
5	25	0		19.73	19.68	20.01		
Limit	EIRP < 2W			Result			Pass	



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LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.84	22.93	23.18	25.56	0.3597
3	1	8		22.73	22.65	22.95		
3	1	14		22.64	22.72	22.86		
3	8	0		21.85	21.76	22.03		
3	8	4		21.76	21.73	22.00		
3	8	7		21.74	21.76	21.89		
3	15	0		21.78	21.72	22.01		
3	1	0	16-QAM	22.18	22.10	22.46	24.84	0.3048
3	1	8		22.01	22.05	22.24		
3	1	14		21.90	21.95	22.15		
3	8	0		20.82	20.77	21.11		
3	8	4		20.86	20.77	20.95		
3	8	7		20.80	20.80	20.97		
3	15	0		20.76	20.75	20.95		
3	1	0	64-QAM	21.03	20.93	21.28	23.66	0.2323
3	1	8		20.86	20.90	21.06		
3	1	14		20.78	20.89	21.09		
3	8	0		19.87	19.78	20.13		
3	8	4		19.75	19.76	20.03		
3	8	7		19.73	19.78	19.96		
3	15	0		19.76	19.75	20.00		
Limit	EIRP < 2W			Result			Pass	



LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.38 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.90	22.90	23.11	25.49	0.3540
1.4	1	3		22.71	22.68	22.92		
1.4	1	5		22.57	22.73	22.84		
1.4	3	0		22.17	22.13	22.37		
1.4	3	1		22.04	22.00	22.21		
1.4	3	3		22.02	22.07	22.23		
1.4	6	0		21.79	21.72	21.99		
1.4	1	0	16-QAM	22.10	22.09	22.49	24.87	0.3069
1.4	1	3		22.00	22.05	22.16		
1.4	1	5		21.97	22.01	22.13		
1.4	3	0		21.16	21.12	21.41		
1.4	3	1		21.07	21.11	21.28		
1.4	3	3		21.00	21.15	21.20		
1.4	6	0		20.73	20.71	20.93		
1.4	1	0	64-QAM	20.95	20.93	21.35	23.73	0.2360
1.4	1	3		20.86	20.93	21.08		
1.4	1	5		20.81	20.89	21.07		
1.4	3	0		20.13	20.14	20.43		
1.4	3	1		20.14	20.10	20.24		
1.4	3	3		20.07	20.08	20.27		
1.4	6	0		19.75	19.76	19.94		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.57	23.32	23.36	21.10	0.1288
20	1	49		23.18	23.08	23.00		
20	1	99		23.13	23.02	22.89		
20	50	0		22.43	22.17	22.19		
20	50	24		22.26	22.14	22.11		
20	50	50		22.21	22.06	22.04		
20	100	0		22.27	22.18	22.12		
20	1	0	16-QAM	22.82	22.62	22.42	20.35	0.1084
20	1	49		22.42	22.51	22.33		
20	1	99		22.45	22.26	22.32		
20	50	0		21.44	21.19	21.18		
20	50	24		21.33	21.17	21.12		
20	50	50		21.21	21.12	21.03		
20	100	0		21.26	21.16	21.12		
20	1	0	64-QAM	21.65	21.56	21.40	19.18	0.0828
20	1	49		21.49	21.32	21.28		
20	1	99		21.36	21.27	21.06		
20	50	0		20.45	20.19	20.23		
20	50	24		20.29	20.20	20.13		
20	50	50		20.22	20.09	20.05		
20	100	0		20.30	20.17	20.15		
Limit	EIRP < 2W			Result			Pass	



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LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.51	23.25	23.27	21.04	0.1271
15	1	37		23.10	23.00	22.95		
15	1	74		23.05	22.98	22.88		
15	36	0		22.33	22.07	22.14		
15	36	20		22.26	22.13	22.02		
15	36	39		22.16	22.00	22.03		
15	75	0		22.26	22.10	22.06		
15	1	0	16-QAM	22.81	22.52	22.36	20.34	0.1081
15	1	37		22.40	22.49	22.33		
15	1	74		22.44	22.26	22.32		
15	36	0		21.41	21.10	21.09		
15	36	20		21.24	21.14	21.11		
15	36	39		21.14	21.03	20.93		
15	75	0		21.17	21.14	21.05		
15	1	0	64-QAM	21.55	21.55	21.37	19.08	0.0809
15	1	37		21.48	21.27	21.27		
15	1	74		21.29	21.18	21.06		
15	36	0		20.44	20.13	20.16		
15	36	20		20.21	20.18	20.11		
15	36	39		20.22	20.00	20.01		
15	75	0		20.26	20.17	20.08		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.50	23.28	23.36	21.03	0.1268
10	1	25		23.11	23.04	23.00		
10	1	49		23.12	22.97	22.79		
10	25	0		22.39	22.15	22.15		
10	25	12		22.26	22.05	22.11		
10	25	25		22.19	22.05	22.02		
10	50	0		22.18	22.17	22.10		
10	1	0	16-QAM	22.81	22.53	22.34	20.34	0.1081
10	1	25		22.40	22.51	22.29		
10	1	49		22.40	22.25	22.28		
10	25	0		21.43	21.15	21.13		
10	25	12		21.32	21.14	21.07		
10	25	25		21.19	21.04	20.94		
10	50	0		21.22	21.14	21.05		
10	1	0	64-QAM	21.60	21.48	21.39	19.13	0.0818
10	1	25		21.47	21.32	21.28		
10	1	49		21.28	21.23	21.01		
10	25	0		20.38	20.15	20.20		
10	25	12		20.21	20.11	20.06		
10	25	25		20.19	20.07	20.04		
10	50	0		20.30	20.13	20.07		
Limit	EIRP < 2W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.50	23.30	23.26	21.03	0.1268
5	1	12		23.17	23.02	22.92		
5	1	24		23.07	23.02	22.86		
5	12	0		22.36	22.10	22.14		
5	12	7		22.22	22.10	22.05		
5	12	13		22.15	22.04	21.97		
5	25	0		22.27	22.14	22.10		
5	1	0	16-QAM	22.82	22.55	22.34	20.35	0.1084
5	1	12		22.34	22.43	22.31		
5	1	24		22.42	22.26	22.29		
5	12	0		21.40	21.18	21.09		
5	12	7		21.33	21.08	21.11		
5	12	13		21.21	21.02	21.00		
5	25	0		21.26	21.14	21.09		
5	1	0	64-QAM	21.65	21.47	21.39	19.18	0.0828
5	1	12		21.39	21.27	21.28		
5	1	24		21.36	21.24	20.99		
5	12	0		20.41	20.14	20.18		
5	12	7		20.23	20.20	20.06		
5	12	13		20.22	20.04	20.02		
5	25	0		20.21	20.11	20.09		
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -2.29 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.39	23.44	23.43	19.00	0.0794
10	1	25		23.38	23.31	23.20		
10	1	49		23.24	23.09	23.30		
10	25	0		22.36	22.40	22.39		
10	25	12		22.35	22.34	22.28		
10	25	25		22.33	22.20	22.19		
10	50	0		22.37	22.38	22.37		
10	1	0	16-QAM	22.55	22.57	22.64	18.20	0.0661
10	1	25		22.55	22.48	22.49		
10	1	49		22.46	22.30	22.54		
10	25	0		21.33	21.39	21.43		
10	25	12		21.43	21.37	21.36		
10	25	25		21.32	21.19	21.22		
10	50	0		21.43	21.33	21.43		
10	1	0	64-QAM	21.52	21.68	21.65	17.24	0.0530
10	1	25		21.51	21.50	21.41		
10	1	49		21.38	21.33	21.58		
10	25	0		20.37	20.40	20.45		
10	25	12		20.42	20.38	20.31		
10	25	25		20.34	20.19	20.24		
10	50	0		20.43	20.39	20.41		
Limit	ERP < 3W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = -2.29 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.29	23.28	23.29	18.85	0.0767
5	1	12		23.21	23.21	23.01		
5	1	24		23.11	22.95	23.12		
5	12	0		22.24	22.24	22.27		
5	12	7		22.25	22.19	22.11		
5	12	13		22.13	22.07	22.04		
5	25	0		22.23	22.20	22.17		
5	1	0	16-QAM	22.42	22.41	22.51	18.07	0.0641
5	1	12		22.41	22.30	22.38		
5	1	24		22.28	22.10	22.37		
5	12	0		21.18	21.19	21.33		
5	12	7		21.24	21.18	21.17		
5	12	13		21.19	21.03	21.04		
5	25	0		21.28	21.18	21.25		
5	1	0	64-QAM	21.32	21.51	21.51	17.07	0.0509
5	1	12		21.33	21.31	21.26		
5	1	24		21.26	21.21	21.41		
5	12	0		20.19	20.29	20.30		
5	12	7		20.31	20.20	20.12		
5	12	13		20.24	20.05	20.13		
5	25	0		20.28	20.29	20.27		
Limit	ERP < 3W			Result			Pass	



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LTE Band 12 Maximum Average Power [dBm] (GT - LC = -2.29 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.28	23.26	23.27	18.84	0.0766
3	1	8		23.19	23.17	23.04		
3	1	14		23.14	22.97	23.17		
3	8	0		22.24	22.21	22.21		
3	8	4		22.17	22.22	22.15		
3	8	7		22.16	22.09	22.00		
3	15	0		22.27	22.22	22.26		
3	1	0	16-QAM	22.41	22.46	22.52	18.08	0.0643
3	1	8		22.36	22.36	22.36		
3	1	14		22.33	22.19	22.40		
3	8	0		21.17	21.20	21.33		
3	8	4		21.23	21.17	21.17		
3	8	7		21.20	21.09	21.03		
3	15	0		21.26	21.16	21.26		
3	1	0	64-QAM	21.41	21.50	21.55	17.11	0.0514
3	1	8		21.32	21.35	21.28		
3	1	14		21.26	21.14	21.38		
3	8	0		20.24	20.22	20.25		
3	8	4		20.25	20.25	20.16		
3	8	7		20.14	20.01	20.04		
3	15	0		20.31	20.24	20.23		
Limit	ERP < 3W			Result			Pass	



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LTE Band 12 Maximum Average Power [dBm] (GT - LC = -2.29 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.23	23.24	23.32	18.88	0.0773
1.4	1	3		23.22	23.19	23.09		
1.4	1	5		23.08	22.99	23.17		
1.4	3	0		22.17	22.20	22.27		
1.4	3	1		22.16	22.23	22.17		
1.4	3	3		22.13	22.08	22.09		
1.4	6	0		22.19	22.24	22.23		
1.4	1	0	16-QAM	22.45	22.40	22.54	18.10	0.0646
1.4	1	3		22.39	22.29	22.37		
1.4	1	5		22.28	22.17	22.40		
1.4	3	0		21.22	21.27	21.29		
1.4	3	1		21.28	21.27	21.17		
1.4	3	3		21.16	21.02	21.07		
1.4	6	0		21.25	21.18	21.29		
1.4	1	0	64-QAM	21.38	21.54	21.48	17.10	0.0513
1.4	1	3		21.36	21.38	21.23		
1.4	1	5		21.24	21.19	21.45		
1.4	3	0		20.25	20.26	20.27		
1.4	3	1		20.29	20.24	20.19		
1.4	3	3		20.16	20.05	20.10		
1.4	6	0		20.32	20.22	20.28		
Limit	ERP < 3W			Result			Pass	



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 2.7 dB)									
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)	
10	1	0	QPSK	-	23.29	-	23.84	0.2421	
10	1	25			23.25				
10	1	49			23.16				
10	25	0			22.37				
10	25	12			22.31				
10	25	25			22.34				
10	50	0			22.34				
10	1	0	16-QAM		22.59		-	23.16	0.2070
10	1	25			22.61				
10	1	49			22.47				
10	25	0			21.38				
10	25	12			21.38				
10	25	25			21.34				
10	50	0			21.38				
10	1	0	64-QAM	21.47	-	22.05		0.1603	
10	1	25		21.50					
10	1	49		21.28					
10	25	0		20.41					
10	25	12		20.41					
10	25	25		20.31					
10	50	0		20.35					
Limit	ERP < 3W			Result			Pass		



LTE Band 13 Maximum Average Power [dBm] (GT - LC = 2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.17	23.18	23.11	23.73	0.2360
5	1	12		23.09	23.13	23.10		
5	1	24		23.00	23.03	23.00		
5	12	0		22.27	22.23	22.25		
5	12	7		22.12	22.19	22.18		
5	12	13		22.20	22.23	22.19		
5	25	0		22.18	22.17	22.21		
5	1	0	16-QAM	22.41	22.49	22.40	23.04	0.2014
5	1	12		22.48	22.46	22.44		
5	1	24		22.35	22.35	22.34		
5	12	0		21.28	21.28	21.26		
5	12	7		21.25	21.26	21.26		
5	12	13		21.19	21.14	21.24		
5	25	0		21.23	21.27	21.20		
5	1	0	64-QAM	21.30	21.33	21.31	21.90	0.1549
5	1	12		21.31	21.32	21.35		
5	1	24		21.12	21.14	21.17		
5	12	0		20.28	20.30	20.28		
5	12	7		20.24	20.25	20.31		
5	12	13		20.21	20.13	20.21		
5	25	0		20.15	20.22	20.20		
Limit	ERP < 3W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.48	23.39	23.42	23.51	0.2244
15	1	37		23.23	23.38	23.41		
15	1	74		23.25	23.26	23.21		
15	36	0		22.54	22.21	22.50		
15	36	20		22.28	22.35	22.48		
15	36	39		22.30	22.38	22.49		
15	75	0		22.42	22.57	22.39		
15	1	0	16-QAM	22.80	22.85	22.74	22.88	0.1941
15	1	37		22.54	22.46	22.72		
15	1	74		22.61	22.66	22.54		
15	36	0		21.42	21.34	21.50		
15	36	20		21.31	21.32	21.57		
15	36	39		21.35	21.21	21.43		
15	75	0		21.33	21.50	21.44		
15	1	0	64-QAM	21.67	21.51	21.61	21.71	0.1483
15	1	37		21.47	21.41	21.68		
15	1	74		21.48	21.37	21.51		
15	36	0		20.47	20.26	20.53		
15	36	20		20.33	20.33	20.59		
15	36	39		20.37	20.27	20.50		
15	75	0		20.37	20.21	20.47		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.27	23.33	23.31	23.36	0.2168
10	1	25		23.30	23.07	23.25		
10	1	49		23.10	23.11	23.06		
10	25	0		22.23	22.47	22.30		
10	25	12		22.24	22.11	22.31		
10	25	25		22.14	22.17	22.32		
10	50	0		22.16	22.34	22.20		
10	1	0	16-QAM	22.45	22.73	22.61	22.76	0.1888
10	1	25		22.48	22.49	22.58		
10	1	49		22.50	22.47	22.38		
10	25	0		21.18	21.33	21.40		
10	25	12		21.27	21.13	21.39		
10	25	25		21.26	21.27	21.29		
10	50	0		21.18	21.16	21.34		
10	1	0	64-QAM	21.68	21.58	21.51	21.71	0.1483
10	1	25		21.45	21.32	21.51		
10	1	49		21.06	21.37	21.36		
10	25	0		20.27	20.41	20.35		
10	25	12		20.41	20.06	20.44		
10	25	25		20.30	20.23	20.40		
10	50	0		20.07	20.24	20.37		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.22	23.42	23.24	23.45	0.2213
5	1	12		23.17	23.06	23.27		
5	1	24		23.01	23.03	23.04		
5	12	0		22.15	22.50	22.32		
5	12	7		22.29	22.12	22.30		
5	12	13		22.24	22.19	22.35		
5	25	0		22.21	22.33	22.23		
5	1	0	16-QAM	22.44	22.72	22.63	22.75	0.1884
5	1	12		22.46	22.32	22.52		
5	1	24		22.39	22.52	22.41		
5	12	0		21.13	21.13	21.33		
5	12	7		21.26	21.24	21.42		
5	12	13		21.12	21.23	21.31		
5	25	0		21.24	21.15	21.27		
5	1	0	64-QAM	21.48	21.51	21.44	21.61	0.1449
5	1	12		21.39	21.36	21.58		
5	1	24		21.15	21.19	21.34		
5	12	0		20.29	20.32	20.42		
5	12	7		20.27	20.32	20.48		
5	12	13		20.34	20.28	20.31		
5	25	0		20.19	20.31	20.32		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.32	23.33	23.28	23.36	0.2168
3	1	8		23.11	23.03	23.28		
3	1	14		22.98	22.98	23.03		
3	8	0		22.31	22.30	22.30		
3	8	4		22.18	22.09	22.38		
3	8	7		22.34	22.11	22.35		
3	15	0		22.19	22.15	22.28		
3	1	0	16-QAM	22.65	22.63	22.55	22.68	0.1854
3	1	8		22.38	22.47	22.59		
3	1	14		22.38	22.43	22.41		
3	8	0		21.17	21.20	21.31		
3	8	4		21.27	21.15	21.43		
3	8	7		21.31	21.31	21.24		
3	15	0		21.09	21.14	21.25		
3	1	0	64-QAM	21.70	21.61	21.41	21.73	0.1489
3	1	8		21.37	21.22	21.50		
3	1	14		21.20	21.31	21.35		
3	8	0		20.17	20.27	20.40		
3	8	4		20.18	20.04	20.40		
3	8	7		20.19	20.27	20.40		
3	15	0		20.19	20.07	20.36		
Limit	ERP < 7W			Result			Pass	



LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.32	23.34	23.27	23.37	0.2173
1.4	1	3		23.17	23.13	23.25		
1.4	1	5		23.12	23.18	23.04		
1.4	3	0		22.22	22.45	22.36		
1.4	3	1		22.25	22.16	22.31		
1.4	3	3		22.36	22.01	22.35		
1.4	6	0		22.36	22.27	22.28		
1.4	1	0	16-QAM	22.49	22.61	22.61	22.64	0.1837
1.4	1	3		22.47	22.45	22.53		
1.4	1	5		22.38	22.37	22.41		
1.4	3	0		21.20	21.34	21.36		
1.4	3	1		21.26	21.20	21.40		
1.4	3	3		21.26	21.11	21.29		
1.4	6	0		21.19	21.15	21.27		
1.4	1	0	64-QAM	21.48	21.62	21.44	21.65	0.1462
1.4	1	3		21.30	21.37	21.54		
1.4	1	5		21.10	21.38	21.31		
1.4	3	0		20.17	20.21	20.34		
1.4	3	1		20.26	20.12	20.49		
1.4	3	3		20.19	20.15	20.33		
1.4	6	0		20.23	20.16	20.31		
Limit	ERP < 7W			Result			Pass	



LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.44	23.41	23.34	20.97	0.1250
20	1	49		23.38	23.29	23.07		
20	1	99		23.34	23.29	23.03		
20	50	0		22.27	22.26	22.15		
20	50	24		22.22	22.14	22.08		
20	50	50		22.14	22.25	22.01		
20	100	0		22.34	22.33	22.07		
20	1	0	16-QAM	22.64	22.63	22.45	20.17	0.1040
20	1	49		22.57	22.46	22.22		
20	1	99		22.45	22.40	22.21		
20	50	0		21.47	21.43	21.16		
20	50	24		21.47	21.37	21.13		
20	50	50		21.39	21.31	21.10		
20	100	0		21.43	21.35	21.12		
20	1	0	64-QAM	21.27	21.07	21.00	18.80	0.0759
20	1	49		21.06	20.87	20.74		
20	1	99		20.98	20.92	20.72		
20	50	0		20.47	20.37	20.14		
20	50	24		20.44	20.34	20.07		
20	50	50		20.38	20.29	20.05		
20	100	0		20.44	20.38	20.13		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.41	23.33	23.24	20.94	0.1242
15	1	37		23.34	23.20	23.00		
15	1	74		23.31	23.22	22.97		
15	36	0		22.26	22.18	22.06		
15	36	20		22.22	22.13	22.04		
15	36	39		22.10	22.16	22.00		
15	75	0		22.29	22.23	22.05		
15	1	0	16-QAM	22.64	22.63	22.37	20.17	0.1040
15	1	37		22.54	22.38	22.17		
15	1	74		22.37	22.34	22.15		
15	36	0		21.46	21.42	21.08		
15	36	20		21.40	21.33	21.13		
15	36	39		21.38	21.22	21.00		
15	75	0		21.42	21.26	21.12		
15	1	0	64-QAM	21.26	21.07	20.91	18.79	0.0757
15	1	37		21.03	20.79	20.67		
15	1	74		20.98	20.91	20.67		
15	36	0		20.39	20.37	20.10		
15	36	20		20.40	20.32	20.07		
15	36	39		20.29	20.28	19.99		
15	75	0		20.42	20.30	20.06		
Limit	EIRP < 2W			Result			Pass	



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LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.40	23.41	23.32	20.94	0.1242
10	1	25		23.28	23.21	23.05		
10	1	49		23.31	23.24	23.02		
10	25	0		22.19	22.16	22.14		
10	25	12		22.22	22.08	22.04		
10	25	25		22.04	22.18	21.93		
10	50	0		22.31	22.23	22.05		
10	1	0	16-QAM	22.63	22.59	22.41	20.16	0.1038
10	1	25		22.54	22.42	22.21		
10	1	49		22.35	22.33	22.20		
10	25	0		21.37	21.40	21.12		
10	25	12		21.47	21.27	21.10		
10	25	25		21.39	21.25	21.05		
10	50	0		21.35	21.29	21.12		
10	1	0	64-QAM	21.23	20.97	20.99	18.76	0.0752
10	1	25		21.02	20.86	20.64		
10	1	49		20.98	20.83	20.70		
10	25	0		20.39	20.33	20.09		
10	25	12		20.41	20.33	19.98		
10	25	25		20.28	20.27	19.95		
10	50	0		20.40	20.30	20.05		
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.38	23.41	23.27	20.94	0.1242
5	1	12		23.37	23.19	23.03		
5	1	24		23.30	23.24	23.02		
5	12	0		22.27	22.19	22.15		
5	12	7		22.12	22.12	21.99		
5	12	13		22.05	22.21	22.00		
5	25	0		22.34	22.27	22.03		
5	1	0	16-QAM	22.54	22.63	22.35	20.16	0.1038
5	1	12		22.53	22.36	22.13		
5	1	24		22.38	22.35	22.20		
5	12	0		21.41	21.33	21.10		
5	12	7		21.39	21.28	21.06		
5	12	13		21.36	21.28	21.07		
5	25	0		21.38	21.27	21.11		
5	1	0	64-QAM	21.25	21.02	20.94	18.78	0.0755
5	1	12		21.02	20.79	20.66		
5	1	24		20.97	20.86	20.71		
5	12	0		20.47	20.30	20.04		
5	12	7		20.41	20.26	19.98		
5	12	13		20.37	20.24	19.98		
5	25	0		20.43	20.29	20.10		
Limit	EIRP < 2W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.38	23.40	23.32	27.42	0.5521
20	1	49		23.29	23.18	23.11		
20	1	99		23.17	23.21	23.14		
20	50	0		22.35	22.36	22.22		
20	50	24		22.33	22.24	22.21		
20	50	50		22.18	22.23	22.10		
20	100	0		22.32	22.34	22.17		
20	1	0	16-QAM	22.83	22.65	22.74	26.85	0.4842
20	1	49		22.57	22.62	22.38		
20	1	99		22.47	22.44	22.54		
20	50	0		21.39	21.34	21.27		
20	50	24		21.35	21.30	21.17		
20	50	50		21.22	21.25	21.11		
20	100	0		21.31	21.26	21.16		
20	1	0	64-QAM	21.71	21.58	21.47	25.73	0.3741
20	1	49		21.43	21.33	21.33		
20	1	99		21.47	21.33	21.33		
20	50	0		20.43	20.37	20.25		
20	50	24		20.32	20.31	20.21		
20	50	50		20.18	20.24	20.09		
20	100	0		20.33	20.28	20.17		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.21	23.24	23.16	27.26	0.5321
15	1	37		23.09	23.02	22.99		
15	1	74		22.98	23.09	22.99		
15	36	0		22.16	22.21	22.12		
15	36	20		22.23	22.10	22.10		
15	36	39		21.99	22.04	21.95		
15	75	0		22.20	22.14	21.98		
15	1	0	16-QAM	22.72	22.51	22.57	26.74	0.4721
15	1	37		22.38	22.50	22.19		
15	1	74		22.37	22.28	22.40		
15	36	0		21.19	21.22	21.16		
15	36	20		21.15	21.20	20.99		
15	36	39		21.06	21.11	20.91		
15	75	0		21.20	21.06	21.03		
15	1	0	64-QAM	21.61	21.42	21.37	25.63	0.3656
15	1	37		21.23	21.22	21.20		
15	1	74		21.32	21.13	21.22		
15	36	0		20.26	20.24	20.05		
15	36	20		20.17	20.13	20.11		
15	36	39		20.04	20.14	19.90		
15	75	0		20.23	20.08	20.06		
Limit	EIRP < 1W			Result			Pass	



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LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.23	23.25	23.18	27.27	0.5333
10	1	25		23.11	23.02	22.98		
10	1	49		23.06	23.04	22.99		
10	25	0		22.25	22.19	22.11		
10	25	12		22.18	22.07	22.02		
10	25	25		22.08	22.10	21.91		
10	50	0		22.22	22.15	21.98		
10	1	0	16-QAM	22.67	22.50	22.55	26.69	0.4667
10	1	25		22.41	22.46	22.26		
10	1	49		22.34	22.33	22.40		
10	25	0		21.26	21.24	21.10		
10	25	12		21.21	21.20	21.02		
10	25	25		21.09	21.13	20.93		
10	50	0		21.20	21.09	21.00		
10	1	0	64-QAM	21.59	21.40	21.32	25.61	0.3639
10	1	25		21.26	21.22	21.14		
10	1	49		21.32	21.17	21.13		
10	25	0		20.31	20.25	20.07		
10	25	12		20.18	20.21	20.06		
10	25	25		20.04	20.12	19.97		
10	50	0		20.19	20.17	20.01		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.19	23.30	23.13	27.32	0.5395
5	1	12		23.12	23.04	23.00		
5	1	24		23.07	23.11	23.00		
5	12	0		22.18	22.24	22.06		
5	12	7		22.18	22.07	22.07		
5	12	13		22.02	22.03	21.98		
5	25	0		22.18	22.24	22.05		
5	1	0	16-QAM	22.71	22.50	22.60	26.73	0.4710
5	1	12		22.42	22.50	22.26		
5	1	24		22.35	22.25	22.40		
5	12	0		21.21	21.19	21.16		
5	12	7		21.22	21.17	21.02		
5	12	13		21.04	21.11	20.92		
5	25	0		21.11	21.07	21.00		
5	1	0	64-QAM	21.60	21.47	21.36	25.62	0.3648
5	1	12		21.23	21.17	21.14		
5	1	24		21.37	21.15	21.18		
5	12	0		20.27	20.19	20.11		
5	12	7		20.15	20.12	20.09		
5	12	13		20.05	20.09	19.99		
5	25	0		20.13	20.08	19.97		
Limit	EIRP < 1W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG521108B

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.21	23.21	23.17	27.23	0.5284
3	1	8		23.16	23.04	22.91		
3	1	14		23.03	23.03	22.97		
3	8	0		22.21	22.19	22.11		
3	8	4		22.13	22.11	22.09		
3	8	7		21.98	22.05	21.98		
3	15	0		22.14	22.18	21.97		
3	1	0	16-QAM	22.72	22.48	22.58	26.74	0.4721
3	1	8		22.46	22.47	22.20		
3	1	14		22.35	22.33	22.35		
3	8	0		21.29	21.21	21.14		
3	8	4		21.17	21.12	20.99		
3	8	7		21.08	21.13	20.93		
3	15	0		21.19	21.15	20.96		
3	1	0	64-QAM	21.59	21.43	21.33	25.61	0.3639
3	1	8		21.32	21.21	21.21		
3	1	14		21.36	21.17	21.17		
3	8	0		20.24	20.27	20.07		
3	8	4		20.12	20.17	20.06		
3	8	7		20.06	20.10	19.93		
3	15	0		20.14	20.08	20.01		
Limit	EIRP < 1W			Result			Pass	



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 4.02 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.21	23.25	23.12	27.27	0.5333
1.4	1	3		23.18	23.01	22.92		
1.4	1	5		23.07	23.01	23.03		
1.4	3	0		22.25	22.21	22.04		
1.4	3	1		22.18	22.08	22.11		
1.4	3	3		22.05	22.13	22.03		
1.4	6	0		22.22	22.17	22.02		
1.4	1	0	16-QAM	22.71	22.52	22.55	26.73	0.4710
1.4	1	3		22.39	22.52	22.23		
1.4	1	5		22.27	22.30	22.40		
1.4	3	0		21.26	21.21	21.17		
1.4	3	1		21.20	21.14	21.02		
1.4	3	3		21.04	21.15	22.01		
1.4	6	0		21.15	21.11	20.96		
1.4	1	0	64-QAM	21.57	21.42	21.28	25.59	0.3622
1.4	1	3		21.24	21.19	21.14		
1.4	1	5		21.30	21.18	21.18		
1.4	3	0		20.26	20.19	20.12		
1.4	3	1		20.12	20.21	20.09		
1.4	3	3		20.02	20.14	20.05		
1.4	6	0		20.21	20.08	20.05		
Limit	EIRP < 1W			Result			Pass	



LTE Band 14 Maximum Average Power [dBm] (GT - LC = 2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.22	-	23.77	0.2382
10	1	25			23.21			
10	1	49			23.13			
10	25	0			22.26			
10	25	12			22.22			
10	25	25			22.19			
10	50	0			22.25			
10	1	0	16-QAM		22.50		23.05	0.2018
10	1	25			22.49			
10	1	49			22.43			
10	25	0			21.21			
10	25	12			21.30			
10	25	25			21.19			
10	50	0			21.26			
10	1	0	64-QAM		21.36		21.97	0.1574
10	1	25			21.42			
10	1	49			21.26			
10	25	0			20.22			
10	25	12			20.28			
10	25	25			20.22			
10	50	0			20.28			
Limit	ERP < 3W			Result			Pass	



LTE Band 14 Maximum Average Power [dBm] (GT - LC = 2.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.07	23.06	23.12	23.76	0.2377
5	1	12		23.05	23.21	23.13		
5	1	24		23.06	22.98	22.99		
5	12	0		22.07	22.22	22.13		
5	12	7		22.22	22.12	22.10		
5	12	13		22.01	22.13	22.01		
5	25	0		22.07	22.17	22.13		
5	1	0	16-QAM	22.38	22.39	22.45	23.02	0.2004
5	1	12		22.41	22.47	22.46		
5	1	24		22.31	22.40	22.33		
5	12	0		21.21	21.16	21.10		
5	12	7		21.26	21.29	21.11		
5	12	13		21.11	21.00	21.14		
5	25	0		21.19	21.23	21.07		
5	1	0	64-QAM	21.18	21.34	21.33	21.93	0.1560
5	1	12		21.26	21.38	21.24		
5	1	24		21.21	21.21	21.09		
5	12	0		20.12	20.16	20.14		
5	12	7		20.25	20.19	20.25		
5	12	13		20.10	20.13	20.10		
5	25	0		20.16	20.22	20.24		
Limit	ERP < 3W			Result			Pass	



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Report No. : FG521108B

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.37	-	-	23.40	0.2188
15	1	37		23.32	-	-		
15	1	74		23.22	-	-		
15	36	0		22.40	-	-		
15	36	20		22.39	-	-		
15	36	39		22.39	-	-		
15	75	0		22.40	-	-		
15	1	0	16-QAM	22.69	-	-	22.72	0.1871
15	1	37		22.54	-	-		
15	1	74		22.52	-	-		
15	36	0		21.37	-	-		
15	36	20		21.41	-	-		
15	36	39		21.39	-	-		
15	75	0		21.37	-	-		
15	1	0	64-QAM	21.70	-	-	21.73	0.1489
15	1	37		21.55	-	-		
15	1	74		21.34	-	-		
15	36	0		20.32	-	-		
15	36	20		20.43	-	-		
15	36	39		20.40	-	-		
15	75	0		20.34	-	-		
Limit	Power < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.35	-	23.38	0.2178
10	1	25		-	23.13	-		
10	1	49		-	23.07	-		
10	25	0		-	22.40	-		
10	25	12		-	22.11	-		
10	25	25		-	22.20	-		
10	50	0		-	22.30	-		
10	1	0	16-QAM	-	22.70	-	22.73	0.1875
10	1	25		-	22.39	-		
10	1	49		-	22.51	-		
10	25	0		-	21.31	-		
10	25	12		-	21.19	-		
10	25	25		-	21.19	-		
10	50	0		-	21.23	-		
10	1	0	64-QAM	-	21.49	-	21.52	0.1419
10	1	25		-	21.34	-		
10	1	49		-	21.38	-		
10	25	0		-	20.37	-		
10	25	12		-	20.13	-		
10	25	25		-	20.26	-		
10	50	0		-	20.25	-		
Limit	Power < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.18	23.09	23.18	23.24	0.2109
5	1	12		23.21	23.12	23.13		
5	1	24		23.05	22.97	23.02		
5	12	0		22.24	22.23	22.15		
5	12	7		22.21	22.17	22.29		
5	12	13		22.21	22.14	22.23		
5	25	0		22.21	22.31	22.13		
5	1	0	16-QAM	22.52	22.53	22.53	22.56	0.1803
5	1	12		22.38	22.48	22.31		
5	1	24		22.41	22.43	22.50		
5	12	0		21.22	21.32	21.16		
5	12	7		21.22	21.24	21.15		
5	12	13		21.22	21.26	21.17		
5	25	0		21.26	21.32	21.21		
5	1	0	64-QAM	21.52	21.51	21.51	21.55	0.1429
5	1	12		21.45	21.48	21.47		
5	1	24		21.18	21.22	21.22		
5	12	0		20.20	20.23	20.26		
5	12	7		20.33	20.39	20.27		
5	12	13		20.24	20.31	20.34		
5	25	0		20.14	20.14	20.24		
Limit	Power < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.22	23.29	23.29	23.32	0.2148
3	1	8		23.15	23.18	23.17		
3	1	14		23.04	22.99	23.01		
3	8	0		22.26	22.19	22.20		
3	8	4		22.23	22.28	22.26		
3	8	7		22.29	22.31	22.31		
3	15	0		22.25	22.31	22.24		
3	1	0	16-QAM	22.55	22.59	22.55	22.62	0.1828
3	1	8		22.38	22.38	22.29		
3	1	14		22.38	22.43	22.36		
3	8	0		21.26	21.31	21.16		
3	8	4		21.24	21.32	21.34		
3	8	7		21.26	21.33	21.33		
3	15	0		21.17	21.20	21.18		
3	1	0	64-QAM	21.60	21.65	21.51	21.68	0.1472
3	1	8		21.43	21.36	21.38		
3	1	14		21.23	21.22	21.15		
3	8	0		20.12	20.11	20.15		
3	8	4		20.28	20.18	20.29		
3	8	7		20.21	20.23	20.14		
3	15	0		20.22	20.21	20.14		
Limit	Power < 100W			Result			Pass	



Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = 2.18 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.27	23.25	23.19	23.30	0.2138
1.4	1	3		23.20	23.19	23.23		
1.4	1	5		23.07	23.04	23.11		
1.4	3	0		22.21	22.25	22.11		
1.4	3	1		22.25	22.32	22.15		
1.4	3	3		22.29	22.38	22.28		
1.4	6	0		22.30	22.27	22.20		
1.4	1	0	16-QAM	22.51	22.49	22.50	22.54	0.1795
1.4	1	3		22.41	22.37	22.33		
1.4	1	5		22.34	22.29	22.39		
1.4	3	0		21.21	21.29	21.14		
1.4	3	1		21.26	21.26	21.22		
1.4	3	3		21.22	21.15	21.30		
1.4	6	0		21.26	21.16	21.31		
1.4	1	0	64-QAM	21.58	21.65	21.68	21.71	0.1483
1.4	1	3		21.36	21.45	21.33		
1.4	1	5		21.17	21.14	21.15		
1.4	3	0		20.22	20.26	20.14		
1.4	3	1		20.26	20.30	20.16		
1.4	3	3		20.25	20.22	20.30		
1.4	6	0		20.14	20.12	20.10		
Limit	Power < 100W			Result			Pass	



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Report No. : FG521108B

LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = -2.47 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
15+15	75	0	75	0	QPSK	20.36	20.43	20.51	20.13	0.1030
15+15	1	0	1	74		13.69	13.84	13.89		
15+15	1	74	1	0		22.47	22.53	22.60		
15+15	75	0	75	0	16-QAM	19.35	19.45	19.50	19.52	0.0895
15+15	1	0	1	74		14.04	14.34	14.37		
15+15	1	74	1	0		21.88	21.99	21.96		
15+15	75	0	75	0	64-QAM	19.38	19.43	19.52	17.35	0.0543
15+15	1	0	1	74		13.96	14.11	14.17		
15+15	1	74	1	0		19.65	19.79	19.82		
Limit	EIRP < 2W					Result			Pass	

LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -2.47 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	20.17	20.38	20.51	20.31	0.1074
20+20	1	0	1	99		13.62	13.87	13.93		
20+20	1	99	1	0		22.28	22.33	22.78		
20+20	100	0	100	0	16-QAM	19.24	19.42	19.53	19.57	0.0906
20+20	1	0	1	99		14.25	14.30	14.37		
20+20	1	99	1	0		21.90	21.96	22.04		
20+20	100	0	100	0	64-QAM	19.31	19.49	19.59	17.39	0.0548
20+20	1	0	1	99		13.81	13.94	14.03		
20+20	1	99	1	0		19.57	19.62	19.86		
Limit	EIRP < 2W					Result			Pass	



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	Part 22H	LTE B26	M	2508	-55.69	RMS	28.18	-27.28	0.50	-95.23	38.14	-13.00	-42.69	V	Main
2	Part 24E	LTE B2	M	7484	-46.30	RMS	36.63	-22.09	0.34	-95.23	34.05	-13.00	-33.30	V	Main
1	Part 27H	LTE B12	M	2109	-55.86	RMS	27.48	-27.58	0.65	-95.23	38.82	-13.00	-42.86	H	Main
1	Part 27F	LTE B13	M	1559	-51.73	RMS	25.42	-29.66	0.85	-95.23	46.89	-42.15	-9.58	H	Main
1	Part 27M	LTE B7	M	12653	-43.65	RMS	39.30	-48.95	0.44	-95.23	60.79	-25.00	-18.65	V	Main
2	Part 27M	LTE B41	M	7752	-50.88	RMS	36.81	-53.39	0.40	-95.23	60.53	-25.00	-25.88	H	Main
2	Part 27L	LTE B66	H	5283	-47.12	RMS	33.07	-23.86	0.45	-95.23	38.45	-13.00	-34.12	V	Main
1	Part 90R	LTE B14	M	1581	-51.41	RMS	25.51	-29.54	0.81	-95.23	47.04	-42.15	-9.26	H	Main
1	Part 90S	LTE B26	M	2444	-51.82	RMS	27.70	-27.33	0.52	-95.23	42.52	-13.00	-38.82	H	Main

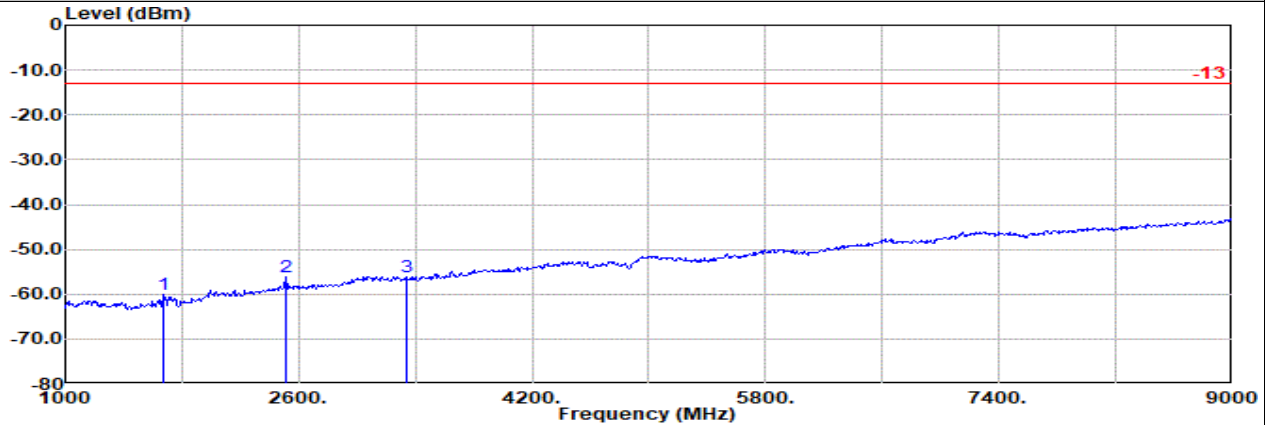


Main Antenna

Part 22H Mode 2

LTE B26 1.4M Ch26915 1RB0 QPSK

M

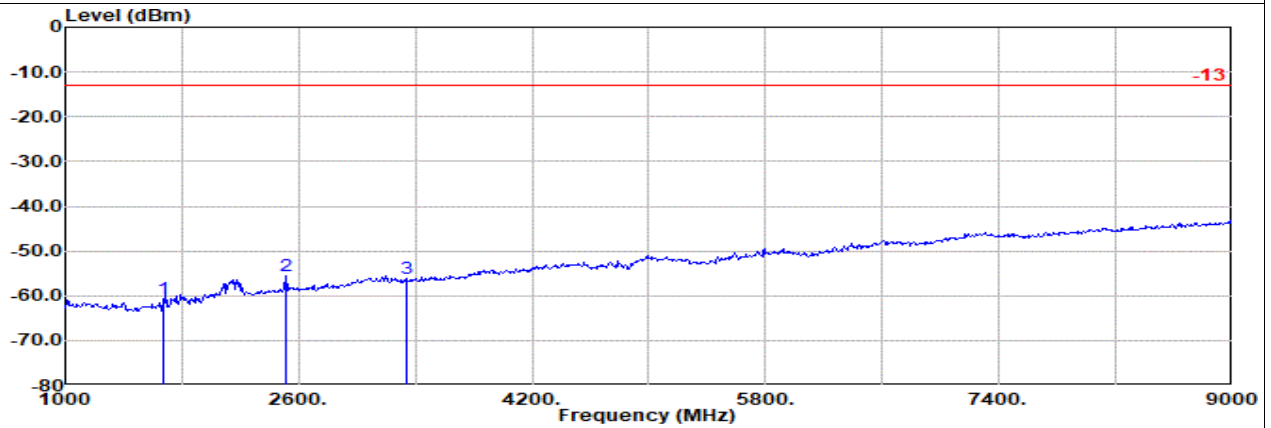


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 1.4M Ch26915 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1672.00	-60.02	RMS	25.40	-29.15	0.74	-95.23	38.22	-13.00	-47.02
2	2508.00	-56.28	RMS	28.18	-27.28	0.50	-95.23	37.55	-13.00	-43.28
3	3344.00	-56.24	RMS	29.80	-26.22	0.40	-95.23	35.01	-13.00	-43.24



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 1.4M Ch26915 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1672.00	-60.80	RMS	25.40	-29.15	0.74	-95.23	37.44	-13.00	-47.80
2	2508.00	-55.69	RMS	28.18	-27.28	0.50	-95.23	38.14	-13.00	-42.69
3	3344.00	-56.28	RMS	29.80	-26.22	0.40	-95.23	34.97	-13.00	-43.28

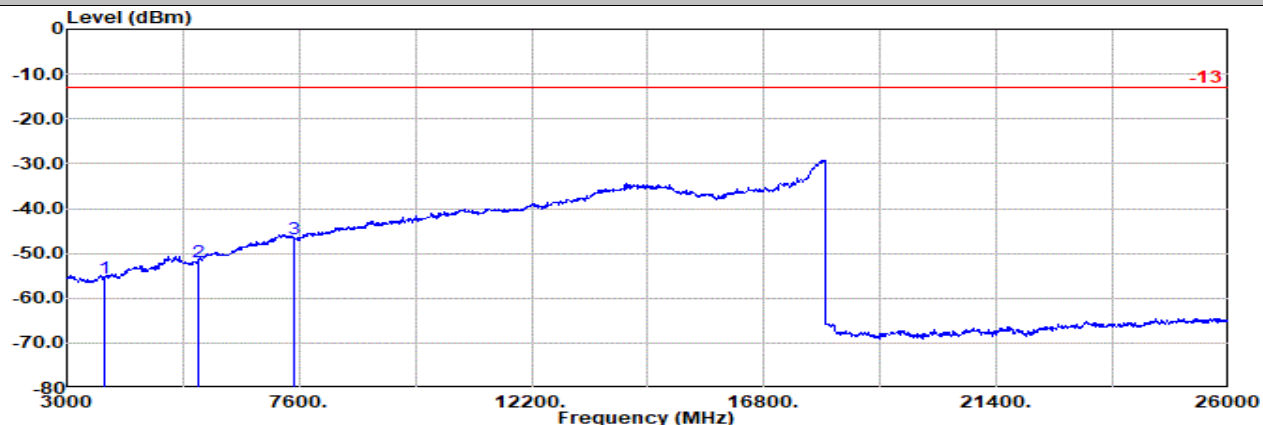


Main Antenna

Part 24E Mode 2

LTE B2 20M Ch18900 1RB0 QPSK

M

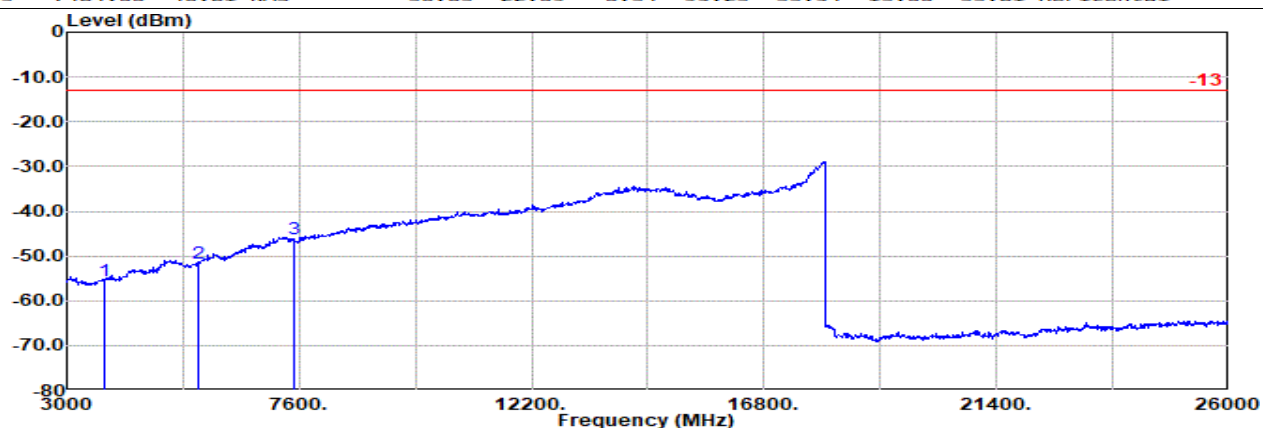


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3742.00	-55.58	RMS	30.07	-25.68	0.72	-95.23	34.54	-13.00	-42.58
2	5613.00	-51.88	RMS	33.13	-23.59	0.39	-95.23	33.42	-13.00	-38.88
3	7484.00	-46.81	RMS	36.63	-22.09	0.34	-95.23	33.54	-13.00	-33.81



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 2 20M Ch18900 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3742.00	-55.57	RMS	30.07	-25.68	0.72	-95.23	34.55	-13.00	-42.57
2	5613.00	-51.53	RMS	33.13	-23.59	0.39	-95.23	33.77	-13.00	-38.53
3	7484.00	-46.30	RMS	36.63	-22.09	0.34	-95.23	34.05	-13.00	-33.30

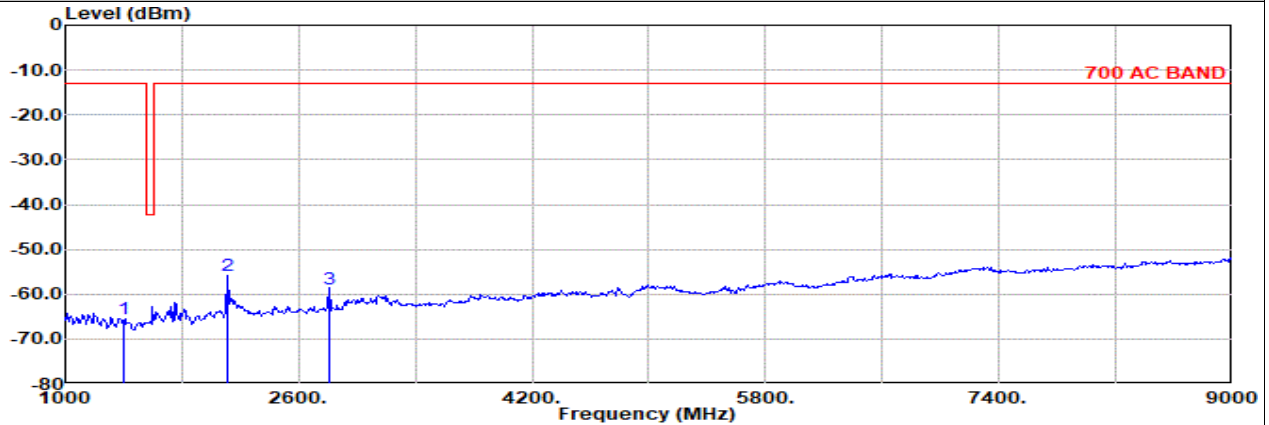


Main Antenna

Part 27H Mode 1

LTE B12 10M Ch23095 1RB0 QPSK

M

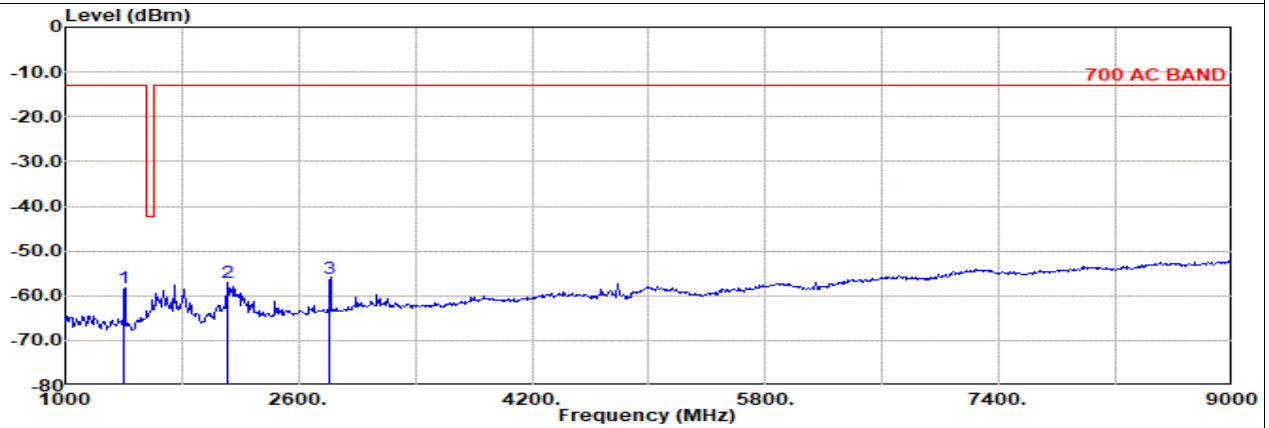


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-65.42	RMS	25.78	-30.27	1.10	-95.23	33.20	-13.00	-52.42
2	2109.00	-55.86	RMS	27.48	-27.58	0.65	-95.23	38.82	-13.00	-42.86
3	2812.00	-58.79	RMS	28.50	-26.95	0.41	-95.23	34.48	-13.00	-45.79



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 12 10M Ch23095 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	1406.00	-58.21	RMS	25.78	-30.27	1.10	-95.23	40.41	-13.00	-45.21
2	2109.00	-56.92	RMS	27.48	-27.58	0.65	-95.23	37.76	-13.00	-43.92
3	2812.00	-56.11	RMS	28.50	-26.95	0.41	-95.23	37.16	-13.00	-43.11

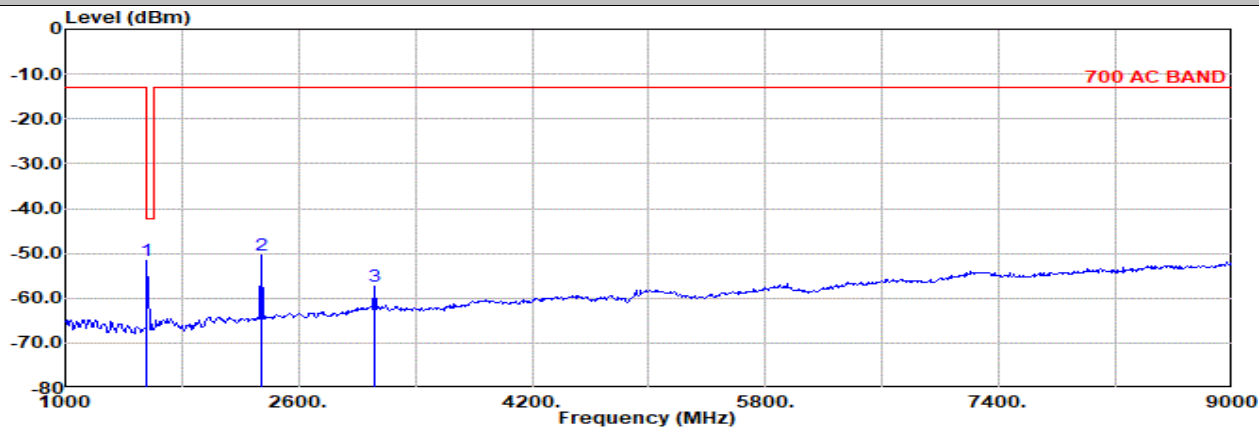


Main Antenna

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M

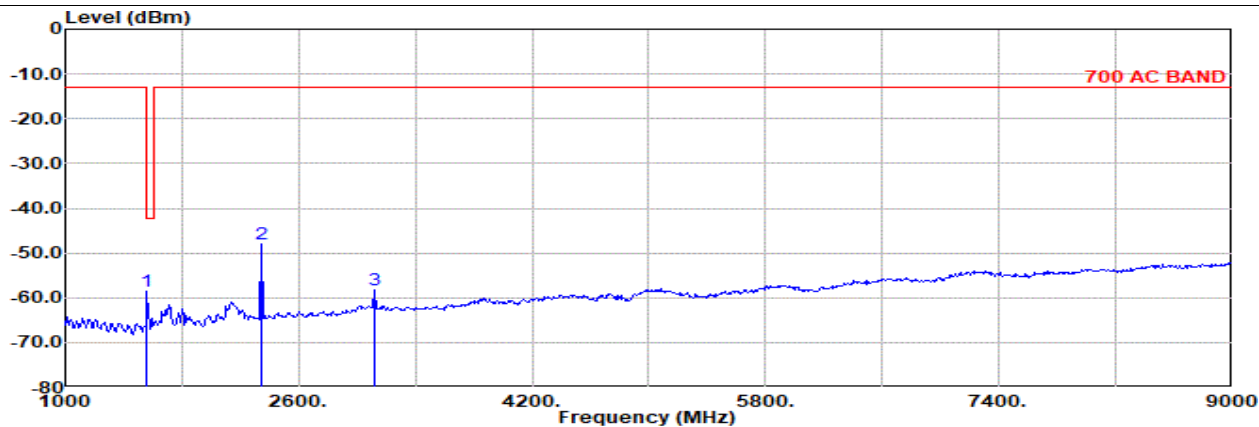


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq		Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
	Factor	1			g							
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB		
1	1559.00	-51.73	RMS		25.42	-29.66	0.85	-95.23	46.89	-42.15	-9.58	Horizontal
2	2339.00	-50.29	RMS		27.29	-27.43	0.58	-95.23	44.50	-13.00	-37.29	Horizontal
3	3119.00	-57.33	RMS		29.84	-26.59	0.39	-95.23	34.26	-13.00	-44.33	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1559.00	-58.58	RMS	25.42	-29.66	0.85	-95.23	40.04	-42.15	-16.43	Vertical
2	2339.00	-47.89	RMS	27.29	-27.43	0.58	-95.23	46.90	-13.00	-34.89	Vertical
3	3119.00	-58.37	RMS	29.84	-26.59	0.39	-95.23	33.22	-13.00	-45.37	Vertical

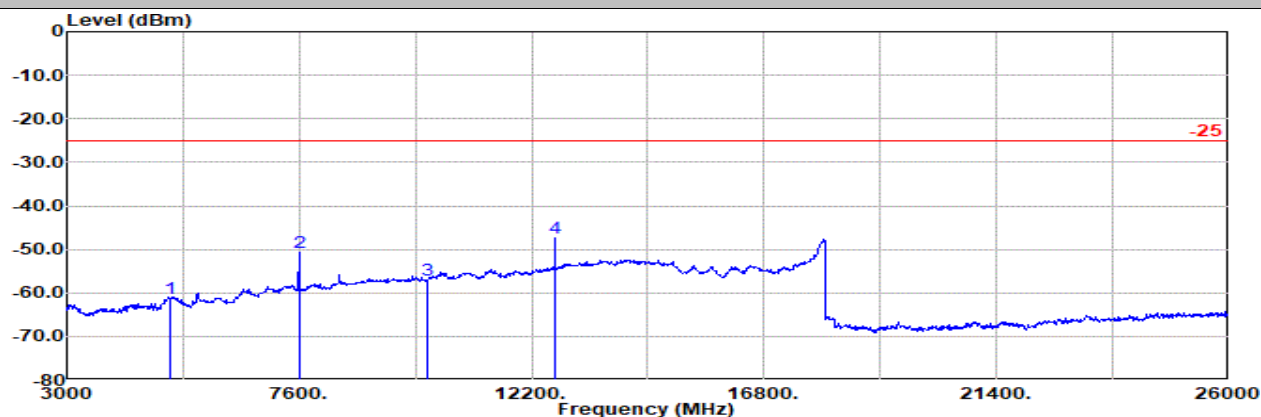


Main Antenna

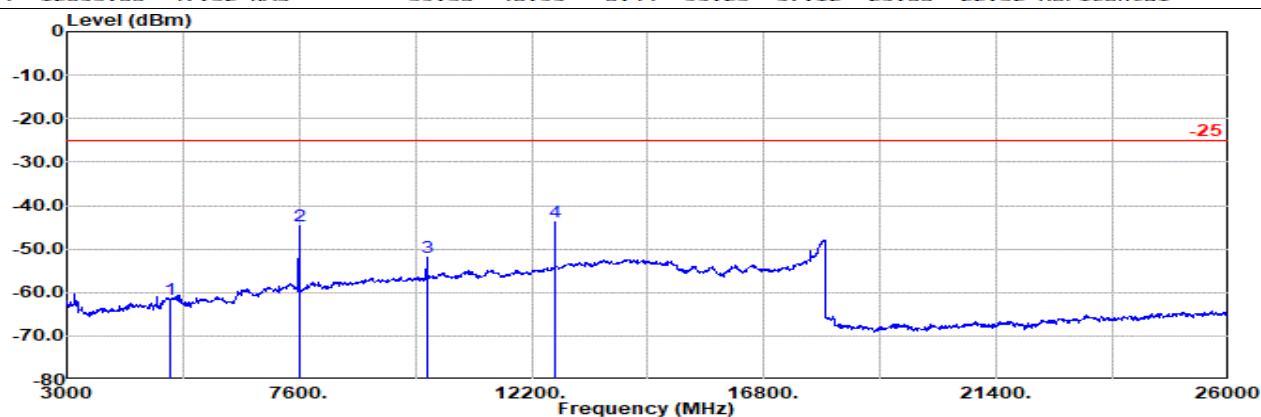
Part 27M Mode 1

LTE B7 10M Ch21100 1RB0 QPSK

M



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5061.00	-61.14	RMS	33.20	-56.48	0.47	-95.23	56.90	-25.00	-36.14	Horizontal
2	7592.00	-50.64	RMS	36.38	-53.42	0.36	-95.23	61.27	-25.00	-25.64	Horizontal
3	10122.00	-56.92	RMS	38.54	-52.62	0.47	-95.23	51.92	-25.00	-31.92	Horizontal
4	12653.00	-47.32	RMS	39.30	-48.95	0.44	-95.23	57.12	-25.00	-22.32	Horizontal



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5061.00	-61.53	RMS	33.20	-56.48	0.47	-95.23	56.51	-25.00	-36.53	Vertical
2	7592.00	-44.69	RMS	36.38	-53.42	0.36	-95.23	67.22	-25.00	-19.69	Vertical
3	10122.00	-52.07	RMS	38.54	-52.62	0.47	-95.23	56.77	-25.00	-27.07	Vertical
4	12653.00	-43.65	RMS	39.30	-48.95	0.44	-95.23	60.79	-25.00	-18.65	Vertical

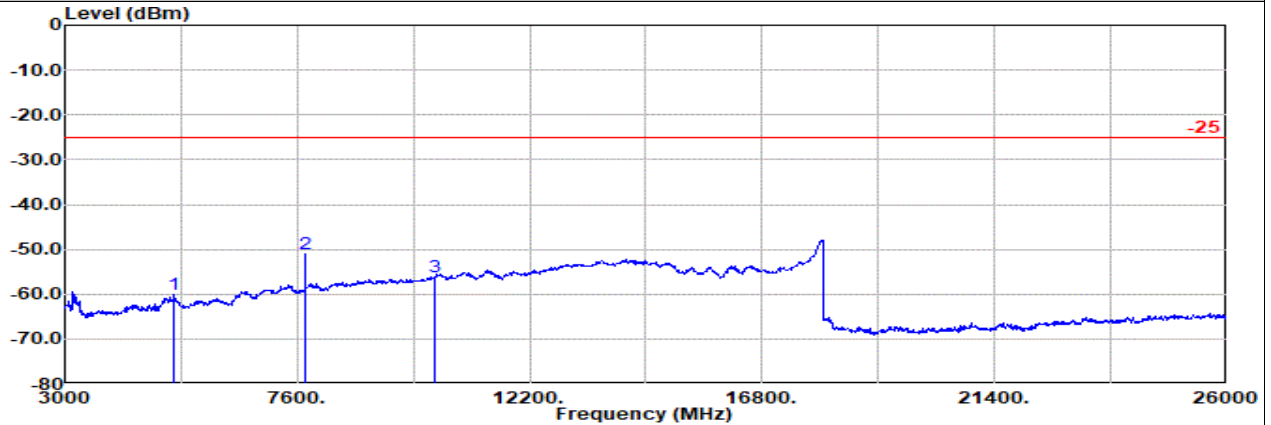


Main Antenna

Part 27M Mode 2

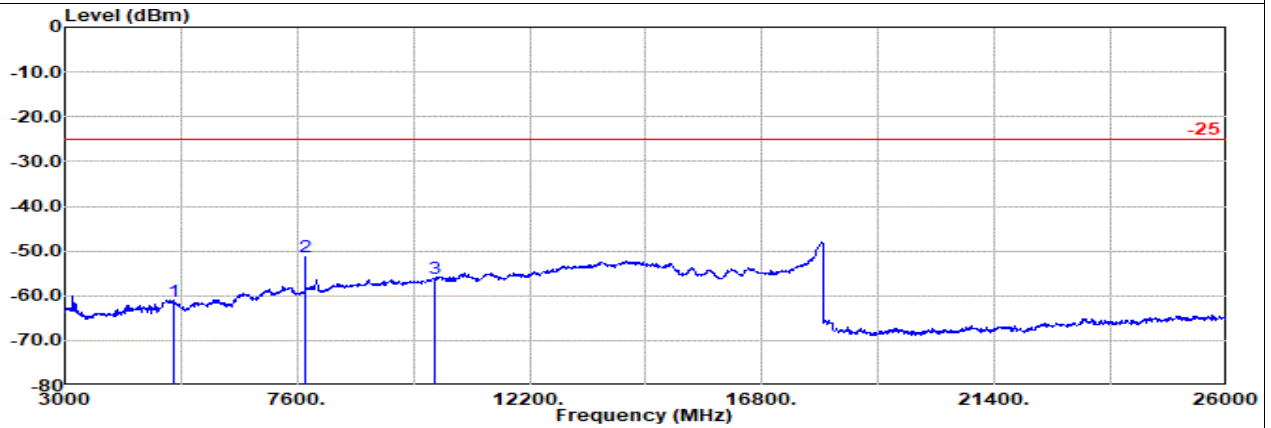
LTE B41 20M Ch40620 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Horizontal
: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	5168.00	-60.07	RMS	33.36	-56.20	0.47	-95.23	57.53	-25.00	-35.07	Horizontal			
2	7752.00	-50.88	RMS	36.81	-53.39	0.40	-95.23	60.53	-25.00	-25.88	Horizontal			
3	10336.00	-56.13	RMS	38.70	-52.35	0.46	-95.23	52.29	-25.00	-31.13	Horizontal			



Site : 03CH12-HY
Condition: -25 3m 9120D-02114-240711 Vertical
: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	5168.00	-61.34	RMS	33.36	-56.20	0.47	-95.23	56.26	-25.00	-36.34	Vertical			
2	7752.00	-51.21	RMS	36.81	-53.39	0.40	-95.23	60.20	-25.00	-26.21	Vertical			
3	10336.00	-56.18	RMS	38.70	-52.35	0.46	-95.23	52.24	-25.00	-31.18	Vertical			

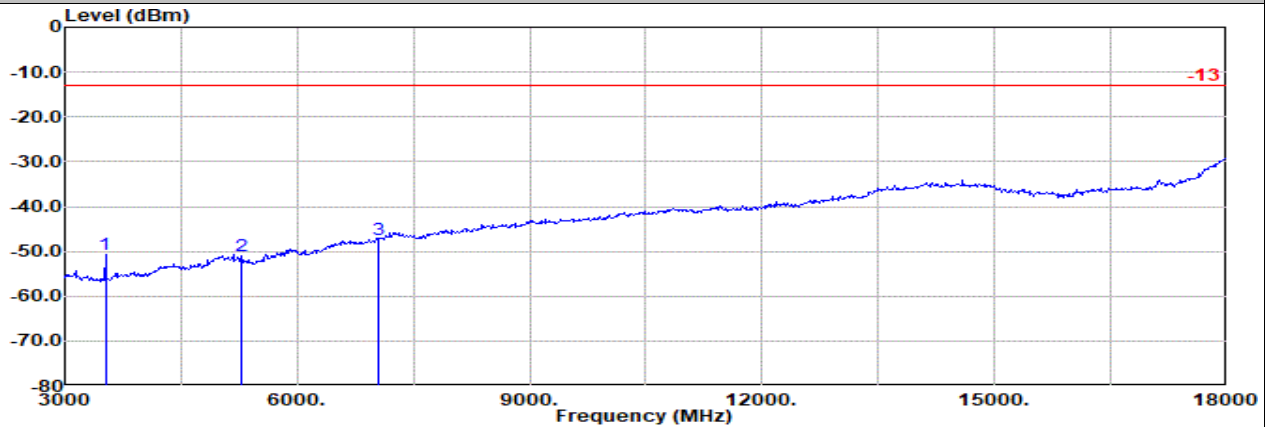


Main Antenna

Part 27L Mode 2

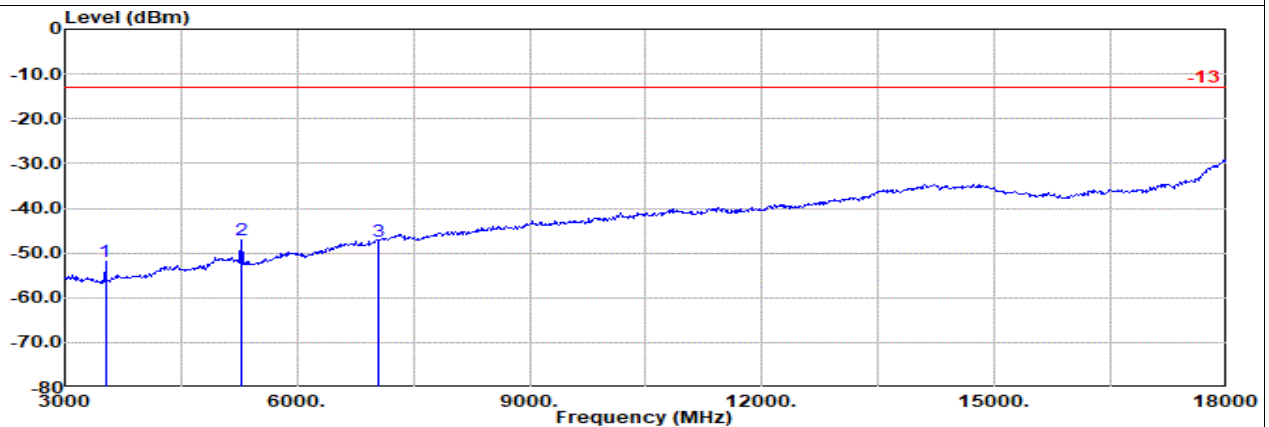
LTE B66 20M Ch132572 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3522.00	-50.62	RMS	29.60	-25.95	0.94	-95.23	40.02	-13.00	-37.62	Horizontal			
2	5283.00	-50.94	RMS	33.07	-23.86	0.45	-95.23	34.63	-13.00	-37.94	Horizontal			
3	7044.00	-47.32	RMS	36.28	-22.37	0.34	-95.23	33.66	-13.00	-34.32	Horizontal			



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3522.00	-51.80	RMS	29.60	-25.95	0.94	-95.23	38.84	-13.00	-38.80	Vertical			
2	5283.00	-47.12	RMS	33.07	-23.86	0.45	-95.23	38.45	-13.00	-34.12	Vertical			
3	7044.00	-47.39	RMS	36.28	-22.37	0.34	-95.23	33.59	-13.00	-34.39	Vertical			

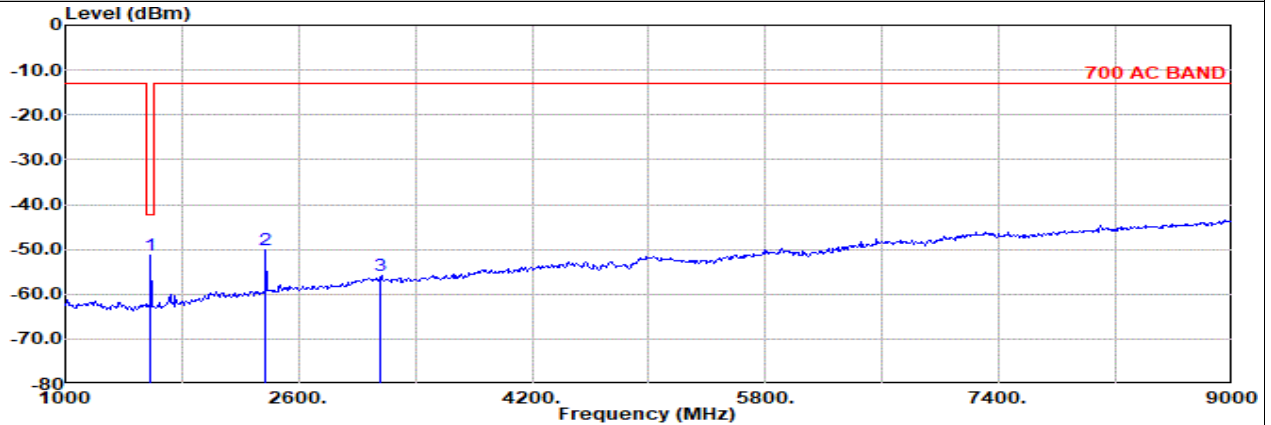


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23330 1RB0 QPSK

M

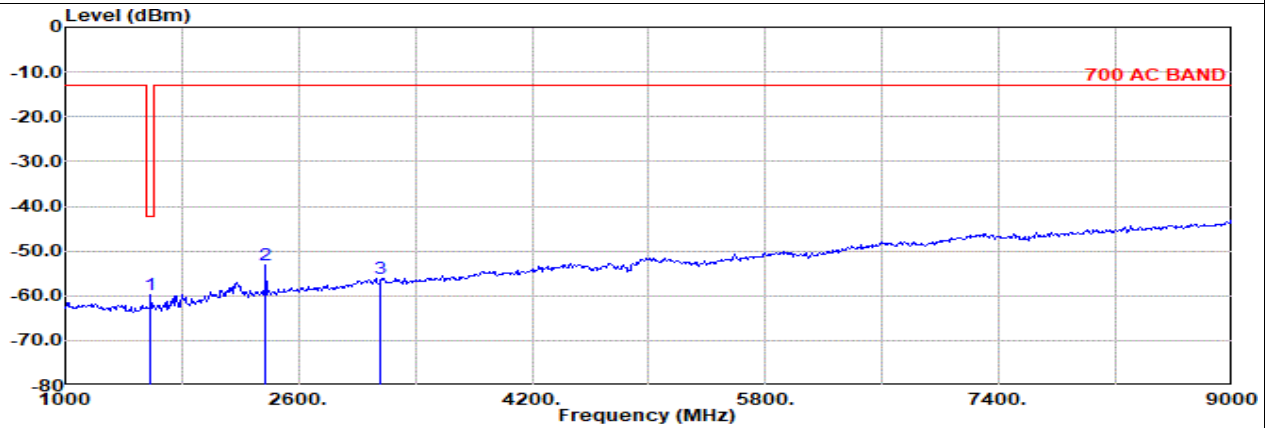


Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Horizontal

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1	dB	dB				
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1581.00	-51.41	RMS		25.51	-29.54	0.81	-95.23	47.04	-42.15	Horizontal
2	2372.00	-49.99	RMS		27.38	-27.40	0.56	-95.23	44.70	-13.00	Horizontal
3	3163.00	-55.76	RMS		29.85	-26.52	0.38	-95.23	35.76	-13.00	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m 9120D-02114-240711 Vertical

: LTE Band 14 5M Ch23330 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1	dB	dB				
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1581.00	-59.64	RMS		25.51	-29.54	0.81	-95.23	38.81	-42.15	Vertical
2	2372.00	-53.15	RMS		27.38	-27.40	0.56	-95.23	41.54	-13.00	Vertical
3	3163.00	-56.15	RMS		29.85	-26.52	0.38	-95.23	35.37	-13.00	Vertical

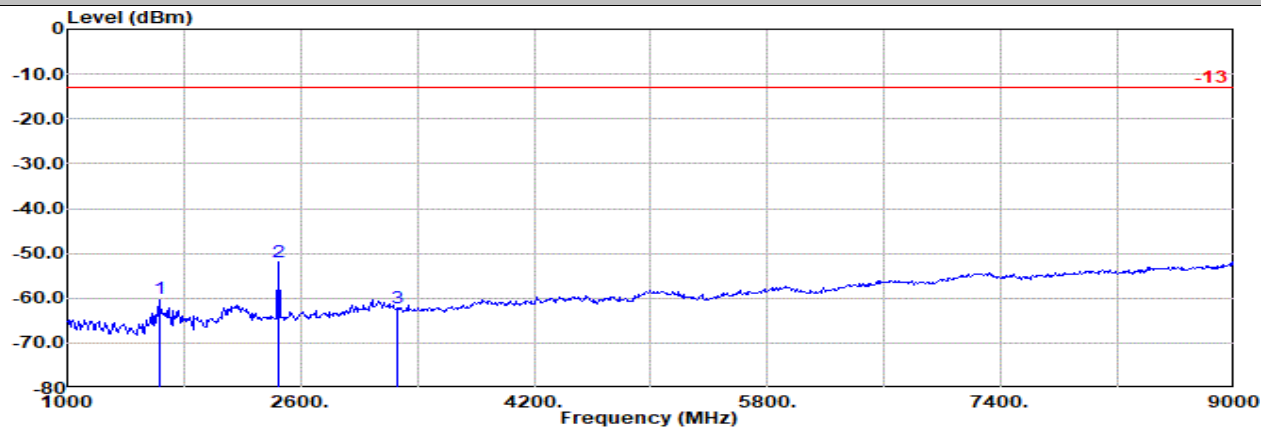


Main Antenna

Part 90S Mode 1

LTE B26 10M Ch26740 1RB0 QPSK

M

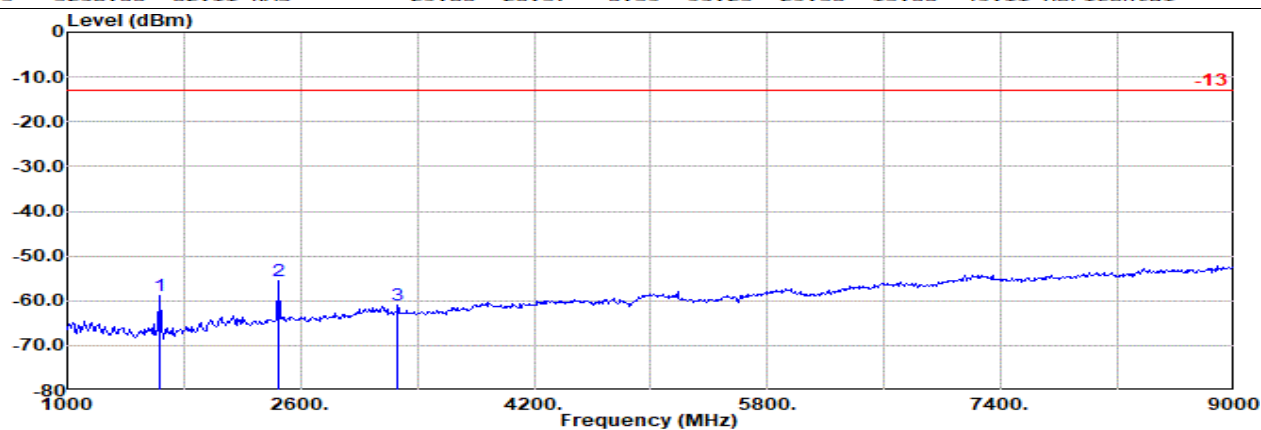


Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Horizontal

: LTE Band 26 10M Ch26740 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1629.00	-60.21	RMS	25.51	-29.33	0.76	-95.23	38.08	-13.00	-47.21	Horizontal
2	2444.00	-51.82	RMS	27.70	-27.33	0.52	-95.23	42.52	-13.00	-38.82	Horizontal
3	3258.00	-62.11	RMS	29.80	-26.37	0.39	-95.23	29.30	-13.00	-49.11	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02114-240711 Vertical

: LTE Band 26 10M Ch26740 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin		Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1629.00	-58.78	RMS	25.51	-29.33	0.76	-95.23	39.51	-13.00	-45.78	Vertical
2	2444.00	-55.45	RMS	27.70	-27.33	0.52	-95.23	38.89	-13.00	-42.45	Vertical
3	3258.00	-60.89	RMS	29.80	-26.37	0.39	-95.23	30.52	-13.00	-47.89	Vertical

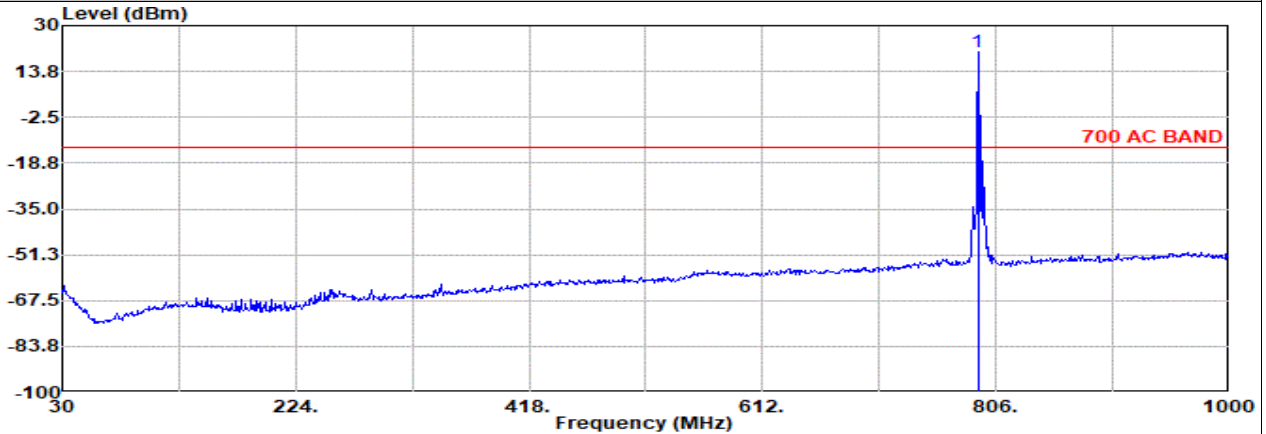


Main Antenna

Part 90R Mode 1

LTE B14 5M Ch23330 1RB0 QPSK

M



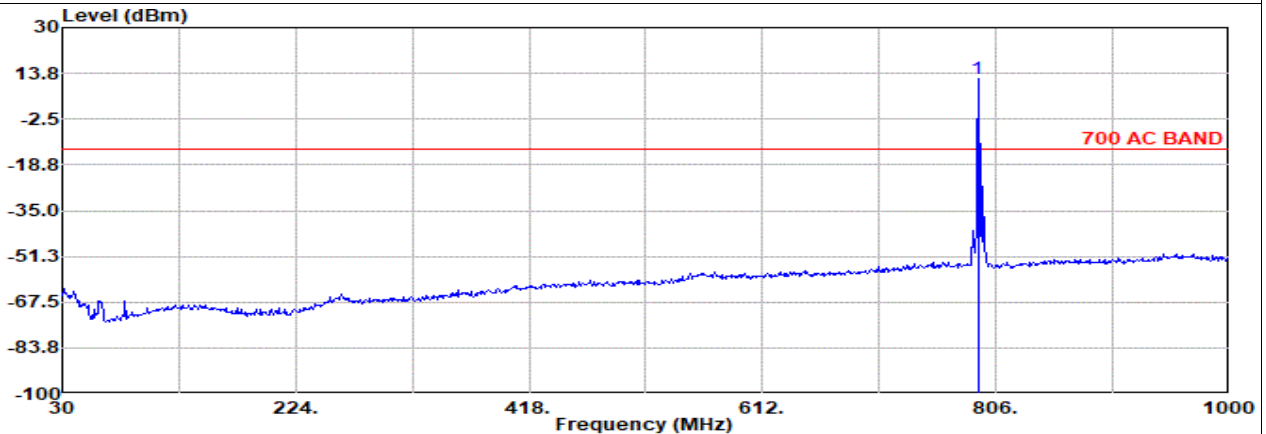
Site : 03CH12-HY

Condition: 700 AC BAND 3m Bilog_37059_20241127 Horizontal

: LTE B14 5M Ch23330 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	790.84	20.56	RMS	28.49	3.88		0.00	-95.23	83.42	-13.00	33.56	Horizontal



Site : 03CH12-HY

Condition: 700 AC BAND 3m Bilog_37059_20241127 Vertical

: LTE B14 5M Ch23330 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	790.84	11.89	RMS	28.49	3.88		0.00	-95.23	74.75	-13.00	24.89	Vertical

Remark: #1 is fundamental signal which can be ignored.