



FCC RADIO TEST REPORT

FCC ID : 2ARF9CSM64
Equipment : Cloud Services Modem
Brand Name : Versa Networks 
Model Name : CSM64
Marketing Name : Cloud Services Modem
Applicant : Versa Networks
2550 GREAT AMERICA WAY SUITE 350 SANTA CLARA, CA 95054
Manufacturer : Versa Networks
2550 GREAT AMERICA WAY SUITE 350 SANTA CLARA, CA 95054
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Sep. 27, 2024 and testing was performed from Sep. 27, 2024 to Feb. 21, 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
FG461443-01B	01	Initial issue of report	Mar. 12, 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 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (Band 30)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
	§27.50 (k)(3)	Equivalent Isotropic Radiated Power (Band 42)		
-	§24.232 (d) §27.50 (d)(5) §27.50 (k)(4)	Peak-to-Average Ratio	Pass	See Note
-	§2.1049	Occupied Bandwidth	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (Band 30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement (Band 42)		
-	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Pass	See Note
	§2.1051 §90.691	Emission masks (Band 26)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (Band 30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		
	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission (Band 42)		
-	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	See Note



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
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 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	\$2.1053 \$27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
	\$2.1053 \$27.53 (a)(4)	Radiated Spurious Emission (Band 30)		
	\$2.1053 \$90.543 (e)(3) \$90.543 (f)	Radiated Spurious Emission (Band 14)		
	\$2.1053 \$27.53 (n)(2)	Radiated Spurious Emission (Band 42)		

Remark:

1. For host device, Radiated Spurious Emission, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and comply with the limit in this test report.
2. For host device, the Conducted Output Power is no difference after compared to module (Model: FN990A28)
3. This report is by changing EUT appearance, FCC ID, equipment Name, brand Name, model Name, marketing Name, applicant and manufacturer information. After assessing, since the test result is not affected by the changes, the FG461443-01B report reuses test data from the FG461443B report.

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: Keven Cheng**Report Producer: Lucy Wu**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE/5G NR, and GNSS	
Antenna Type WWAN: <Taoglas Antenna>: Fixed External Antenna <Airgain Antenna>: Fixed External Antenna	

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B66, B71, B2C, B5B, B7C, B38C, B41C, B42C, B66B, B66C
Evaluated and Tested band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B66, B71, B2C, B5B, B7C, B38C, B41C, B42C, B66B, B66C

FDD/TDD band Power Class				
	PC3	PC2		
B2 / B2C	V			
B4	V			
B5 / B5B	V			
B7 / B7C	V			
B12	V			
B13	V			
B14	V			
B17	V			
B25	V			
B26	V			
B30	V			
B38 / B38C	V			
B41 / B41C	V	V		
B42 / B42C	V			
B66 / B66B / B66C	V			
B71	V			

Taoglas Antenna information(dBi)							
Band	Ant0	Ant3	Main Ant. #				
B2	2.88		0				
B4	3.34		0				
B5	2.28		0				
B7	2.51		0				
B12	2.06		0				
B13	2.99		0				
B14	2.20		0				
B17	2.06		0				
B25	2.88		0				
B26	2.28		0				
B30	0.91		0				
B38	2.51		0				
B41	2.83		0				
B42		0.44	3				
B66	3.34		0				
B71	0.64		0				

Airgain Antenna information(dBi)							
Band	Ant0	Ant3	Main Ant. #				
B2	3.08		0				
B4	3.02		0				
B5	0.70		0				
B7	3.40		0				
B12	3.04		0				
B13	1.27		0				
B14	1.15		0				
B17	3.04		0				
B25	3.08		0				
B26	0.76		0				
B30	0.94		0				
B38	3.33		0				
B41	3.61		0				
B42		0.39	3				
B66	3.02		0				
B71	2.80		0				

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

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, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. TH03-HY
Test Engineer	Diego Huang
Temperature (°C)	22.2~23.6
Relative Humidity (%)	50.2~55.5

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH15-HY (TAF Code: 3786)
Test Engineer	Sam Pan, Quentin Liu and Bigshow Wang
Temperature (°C)	22~23.5
Relative Humidity (%)	50~59
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 412172 D01 Determining ERP and EIRP v01r01
- ♦ 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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. 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 two degree (Degree 0 and Degree 90), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

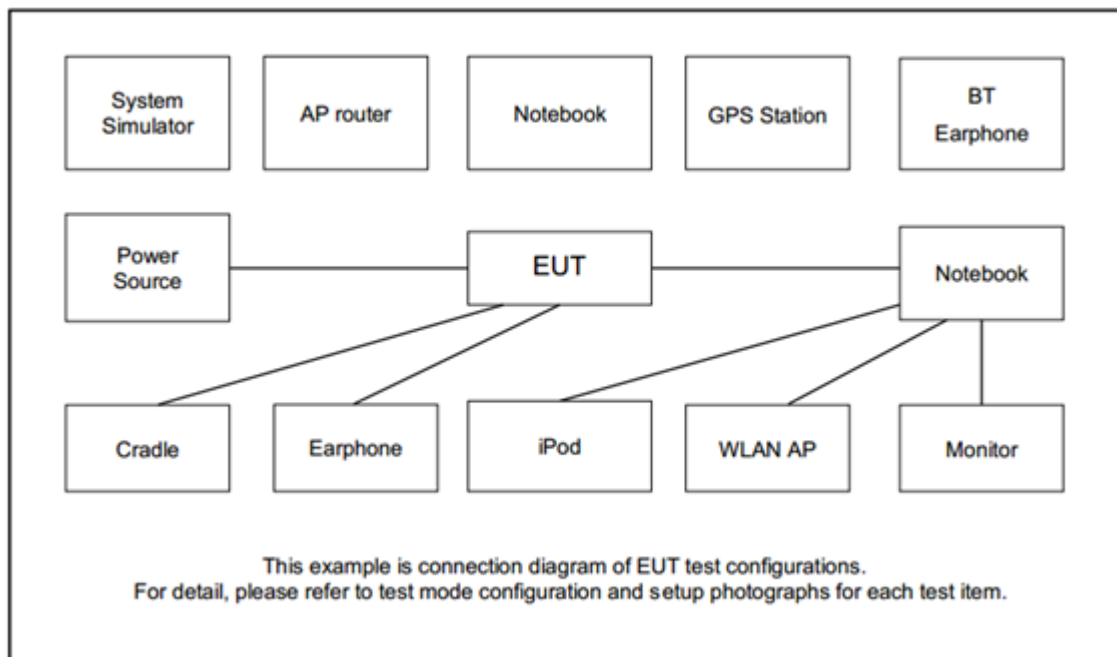
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1RB	L, M, H
ERP/EIRP	A, B	All	1RB	L, M, H
RSE	A	20 MHz or less	1RB	L or M or 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. For modulation of QPSK & 16QAM, the maximum power of QPSK & 16QAM is higher than other modulation (64QAM/256QAM), therefore, according to engineering evaluation , we choose higher power (QPSK & 16QAM) to perform tests and show in the report.

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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m



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 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

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 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5
LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



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 30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580.0	2595.0	2610.0
15	Channel	37825	38000	38175
	Frequency	2577.5	2595.0	2612.5
10	Channel	37800	38000	38200
	Frequency	2575.0	2595.0	2615.0
5	Channel	37775	38000	38225
	Frequency	2572.5	2595.0	2617.5

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 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	42190	42590	42990
	Frequency	3460	3500	3540
15	Channel	42165	42590	43015
	Frequency	3457.5	3500	3542.5
10	Channel	42140	42590	43040
	Frequency	3455	3500	3545
5	Channel	42115	42590	43115
	Frequency	3452.5	3500	3552.5

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 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133297	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133297	133422
	Frequency	668.0	680.5	693.0
5	Channel	133147	133297	133447
	Frequency	665.5	680.5	695.5



LTE Band 2C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	18653	18829	19005
		Frequency	1855.3	1872.9	1890.5
	SCC	Channel	18773	18949	19125
		Frequency	1867.3	1884.9	1902.5
15 + 10	PCC	Channel	18675	18851	19027
		Frequency	1857.5	1875.1	1892.7
	SCC	Channel	18795	18971	19147
		Frequency	1869.5	1887.1	1904.7
10 + 20	PCC	Channel	18655	18806	18956
		Frequency	1855.5	1870.6	1885.6
	SCC	Channel	18799	18950	19100
		Frequency	1869.9	1885	1900
20 + 10	PCC	Channel	18700	18551	19001
		Frequency	1860	1875.1	1890.1
	SCC	Channel	18844	18995	19145
		Frequency	1874.4	1889.5	1904.5
15 + 15	PCC	Channel	18675	18825	18975
		Frequency	1857.5	1872.5	1887.5
	SCC	Channel	18825	18975	19125
		Frequency	1872.5	1887.5	1902.5
15 + 20	PCC	Channel	18678	18803	18929
		Frequency	1857.8	1870.3	1882.9
	SCC	Channel	18849	18974	19100
		Frequency	1874.9	1887.4	1900
20 + 20	PCC	Channel	18700	18801	18902
		Frequency	1860	1870.1	1880.2
	SCC	Channel	18898	18999	19100
		Frequency	1879.8	1889.9	1900
20 + 15	PCC	Channel	18700	18826	18951
		Frequency	1860	1872.6	1885.1
	SCC	Channel	18871	18997	19122
		Frequency	1877.1	1889.7	1902.2



LTE Band 2C Channel and Frequency List_CA					
20 + 5	PCC	Channel	18700	18875	19050
		Frequency	1860	1877.5	1895
	SCC	Channel	18817	18992	19167
		Frequency	1871.7	1889.2	1906.7
5 + 20	PCC	Channel	18633	18808	18983
		Frequency	1853.3	1870.8	1888.3
	SCC	Channel	18750	18925	19100
		Frequency	1865	1882.5	1900

LTE Band 5B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20575
		Frequency	829.5	838.0	841.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834.0	839.0	844.0
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829.0	834.0	839.0
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829.0	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844.0



LTE Band 7C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
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
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7



LTE Band 38C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

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
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



LTE Band 41C Channel and Frequency List_CA					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7



LTE Band 66B Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	133346	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	133347	132622
		Frequency	1720.0	1757.5	1775.0
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715.0	1752.5	1770.0
	SCC	Channel	132094	133369	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713.0	1748.1	1763.2
	SCC	Channel	132095	133346	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	133391	132642
		Frequency	1726.8	1761.9	1777.0
10 + 10	PCC	Channel	132022	132373	135523
		Frequency	1715.0	1750.1	1765.1
	SCC	Channel	132121	133372	132622
		Frequency	1724.9	1760.0	1775.0



LTE Band 66C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	133371	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	132493	132619
		Frequency	1729.5	1762.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	131171	133372	132572
		Frequency	1729.9	1760.0	1770.0
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720.0	1750.1	1760.1
	SCC	Channel	132216	133417	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	133397	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	133396	132572
		Frequency	1734.9	1762.4	1770.0
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720.0	1747.6	1755.1
	SCC	Channel	132243	133419	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720.0	1752.5	1765.0
	SCC	Channel	132189	133414	132639
		Frequency	1731.7	1764.2	1776.7



LTE Band 66C Channel and Frequency List_CA					
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725.0	1757.5	1770.0
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720.0	1745.1	1750.2
	SCC	Channel	132270	133421	132572
		Frequency	1739.8	1764.9	1770.0



LTE Band 42C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	42190	42491	42791
		Frequency	3460	3490.1	3520.1
	SCC	Channel	42388	42689	42990
		Frequency	3479.8	3509.9	3540
20 + 15	PCC	Channel	42190	42517	42844
		Frequency	3460	3492.7	3525.4
	SCC	Channel	42361	42688	43015
		Frequency	3477.1	3509.8	3542.5
15 + 20	PCC	Channel	42165	42492	42819
		Frequency	3457.5	3490.2	3522.9
	SCC	Channel	42336	42663	42990
		Frequency	3474.6	3507.3	3540
20 + 10	PCC	Channel	42190	42543	42896
		Frequency	3460	3495.3	3530.6
	SCC	Channel	42334	42687	43040
		Frequency	3474.4	3509.7	3545
10 + 20	PCC	Channel	42140	42493	42846
		Frequency	3455	3490.3	3525.6
	SCC	Channel	42284	42637	42990
		Frequency	3469.4	3504.7	3540
20 + 5	PCC	Channel	42190	42569	42948
		Frequency	3460	3497.9	3535.8
	SCC	Channel	42307	42686	43065
		Frequency	3471.7	3509.6	3547.5
5 + 20	PCC	Channel	42115	42494	42873
		Frequency	3452.5	3490.4	3528.3
	SCC	Channel	42232	42611	42990
		Frequency	3464.2	3502.1	3540

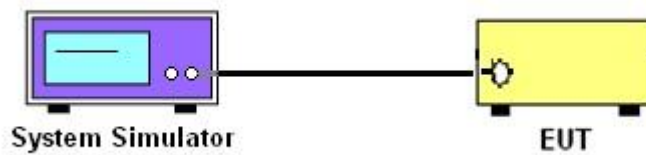
3 Conducted Test Items

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 5, 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, Band 17, Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 25, Band 7, Band 38, Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4, Band 66, Band 42

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30

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.

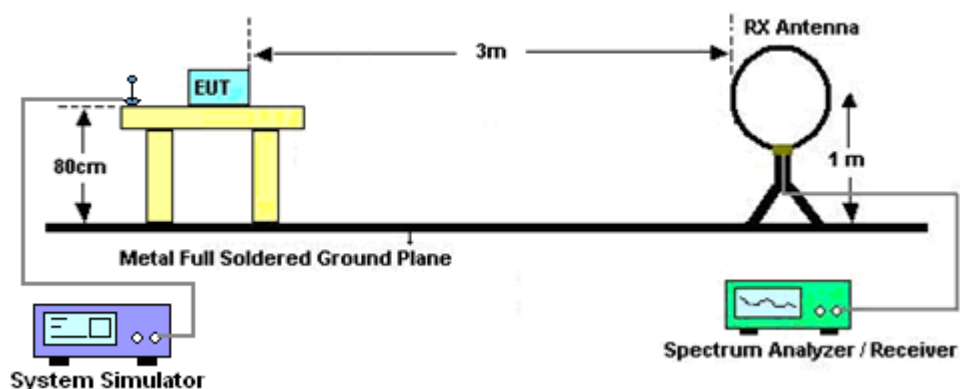
4 Radiated Test Items

4.1 Measuring Instruments

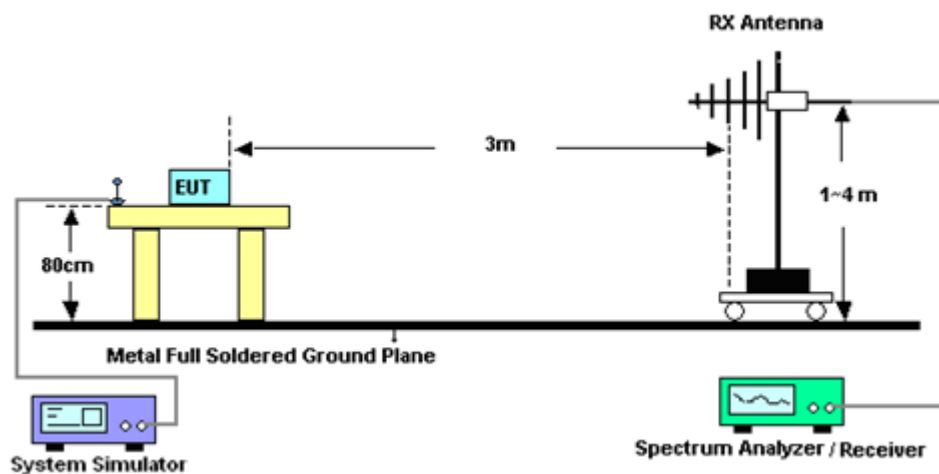
See list of measuring instruments of this test report.

4.1.1 Test Setup

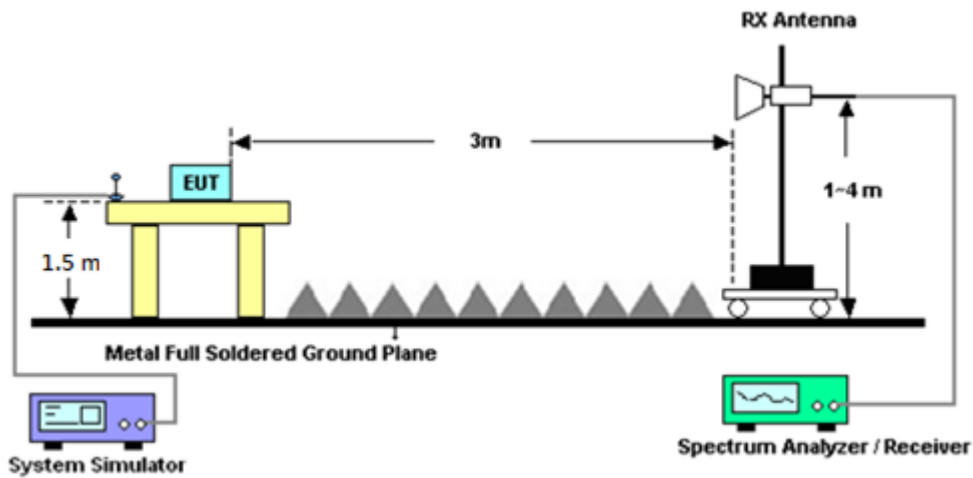
For radiated test below 30MHz



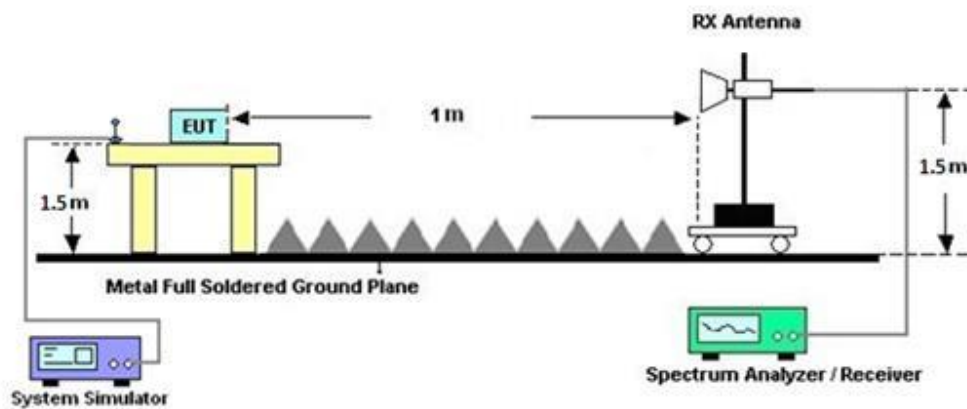
For radiated test from 30MHz to 1GHz



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, 38, 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 30

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 $70 + 10 \log (P)$ dB.

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
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 03, 2023	Sep. 27, 2024~ Oct. 01, 2024	Oct. 02, 2024	Conducted (TH03-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Oct. 02, 2024~ Nov. 01, 2024	Sep. 01, 2025	Conducted (TH03-HY)
Coupler+10dB+ RFCable	Warison + WoKen + E-Instument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1+# 7	1-18GHz	Jan. 02, 2024	Sep. 27, 2024~ Nov. 01, 2024	Jan. 01, 2025	Conducted (TH03-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2024	Sep. 27, 2024~ Nov. 01, 2024	Jun. 12, 2025	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Sep. 27, 2024~ Nov. 01, 2024	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP210073	-10 ~ 50°C / 20 ~ 95%RH	Jun. 05, 2024	Sep. 27, 2024~ Nov. 01, 2024	Jun. 04, 2025	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Feb. 15, 2025~ Feb. 21, 2025	Aug. 28, 2025	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	Feb. 15, 2025~ Feb. 21, 2025	Nov. 26, 2025	Radiation (03CH15-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 20, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jun. 19, 2025	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jun. 23, 2025	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 24, 2024	Feb. 15, 2025~ Feb. 21, 2025	Dec. 23, 2025	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	1710001800 055007	1GHz~18GHz	Jun. 13, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jun. 12, 2025	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 14, 2025	Feb. 15, 2025~ Feb. 21, 2025	Feb. 13, 2026	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Feb. 15, 2025~ Feb. 21, 2025	May 26, 2025	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 11, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jul. 10, 2025	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 16, 2024	Feb. 15, 2025~ Feb. 21, 2025	Oct. 15, 2025	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 15, 2025~ Feb. 21, 2025	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 15, 2025~ Feb. 21, 2025	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_23062 1	RK-002394	N/A	N/A	Feb. 15, 2025~ Feb. 21, 2025	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,80 3950/2	N/A	Jun. 11, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jun. 10, 2025	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18-40G	Dec. 31, 2024	Feb. 15, 2025~ Feb. 21, 2025	Dec. 30, 2025	Radiation (03CH15-HY)
Filter	Wainwright	WLJ4-1000-15 30-6000-40ST	SN4	1.53GHz Low Pass Filter	Jun. 05, 2024	Feb. 15, 2025~ Feb. 21, 2025	Jun. 04, 2025	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-302	SN4	N/A	Aug. 29, 2024	Feb. 15, 2025~ Feb. 21, 2025	Aug. 28, 2025	Radiation (03CH15-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% ($U = 2Uc(y)$)	4.4 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 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 = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.14	23.15	22.93	26.23	0.4198
20	1	0	16-QAM	22.48	22.42	22.32	25.74	0.3750
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.95	22.98	22.80	26.07	0.4046
15	1	0	16-QAM	22.30	22.32	22.14	25.59	0.3622
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.01	22.95	22.83	26.09	0.4064
10	1	0	16-QAM	22.36	22.28	22.12	25.59	0.3622
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.01	22.95	22.83	26.09	0.4064
5	1	0	16-QAM	22.36	22.28	22.12	25.59	0.3622
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	23.02	22.96	22.73	26.10	0.4074
3	1	0	16-QAM	22.38	22.31	22.20	25.61	0.3639
Limit	EIRP < 2W			Result			Pass	

LTE Band 2 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.03	22.98	22.77	26.15	0.4121
1.4	1	0	16-QAM	22.35	22.32	22.13	25.55	0.3589
Limit	EIRP < 2W			Result			Pass	



LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.12	23.13	22.98	26.21	0.4178
20	1	0	16-QAM	22.48	22.28	22.32	25.78	0.3784
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.97	22.95	22.85	26.05	0.4027
15	1	0	16-QAM	22.29	22.14	22.20	25.63	0.3656
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.00	22.93	22.80	26.08	0.4055
10	1	0	16-QAM	22.32	22.10	22.15	25.68	0.3698
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.01	23.02	22.88	26.10	0.4074
5	1	0	16-QAM	22.32	22.09	22.12	25.66	0.3681
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.94	23.02	22.80	26.10	0.4074
3	1	0	16-QAM	22.33	22.14	22.21	25.62	0.3648
Limit	EIRP < 2W			Result			Pass	

LTE Band 25 Maximum Average Power [dBm] (GT - LC = 3.08 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	23.00	23.03	22.87	26.11	0.4083
1.4	1	0	16-QAM	22.38	22.18	22.21	25.65	0.3673
Limit	EIRP < 2W			Result			Pass	



LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.91	22.92	22.68	26.26	0.4227
20	1	0	16-QAM	22.31	22.12	22.00	25.89	0.3882
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.78	22.80	22.55	26.14	0.4111
15	1	0	16-QAM	22.15	21.99	21.87	25.69	0.3707
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.72	22.73	22.53	26.07	0.4046
10	1	0	16-QAM	22.20	21.96	21.81	25.75	0.3758
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.76	22.72	22.57	26.10	0.4074
5	1	0	16-QAM	22.21	22.02	21.87	25.75	0.3758
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.79	22.82	22.58	26.16	0.4130
3	1	0	16-QAM	22.15	22.02	21.87	25.71	0.3724
Limit	EIRP < 1W			Result			Pass	

LTE Band 4 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.62	22.64	22.41	25.98	0.3963
1.4	1	0	16-QAM	22.03	21.87	21.68	25.61	0.3639
Limit	EIRP < 1W			Result			Pass	



LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.43	23.19	23.06	23.56	0.2270
10	1	0	16-QAM	22.63	22.60	22.28	22.78	0.1897
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.40	23.13	22.98	23.53	0.2254
5	1	0	16-QAM	22.57	22.53	22.20	22.76	0.1888
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.38	23.10	22.99	23.51	0.2244
3	1	0	16-QAM	22.56	22.56	22.23	22.72	0.1871
Limit	ERP < 7W			Result			Pass	

LTE Band 5 Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.34	23.17	22.98	23.47	0.2223
1.4	1	0	16-QAM	22.56	22.56	22.20	22.77	0.1892
Limit	ERP < 7W			Result			Pass	



LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.02	23.46	23.28	26.86	0.4853
20	1	0	16-QAM	22.34	22.60	22.65	26.40	0.4365
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.85	23.32	23.14	26.73	0.4710
15	1	0	16-QAM	22.16	22.42	22.51	26.27	0.4236
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.87	23.27	23.13	26.71	0.4688
10	1	0	16-QAM	22.20	22.40	22.54	26.29	0.4256
Limit	EIRP < 2W			Result			Pass	

LTE Band 7 Maximum Average Power [dBm] (GT - LC = 3.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.88	23.34	23.17	26.74	0.4721
5	1	0	16-QAM	22.22	22.41	22.48	26.28	0.4246
Limit	EIRP < 2W			Result			Pass	



LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.55	23.56	23.38	24.45	0.2786
10	1	0	16-QAM	22.90	22.80	22.68	23.79	0.2393
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.42	23.38	23.28	24.32	0.2704
5	1	0	16-QAM	22.71	22.68	22.53	23.60	0.2291
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	23.43	23.38	23.18	24.32	0.2704
3	1	0	16-QAM	22.80	22.66	22.54	23.69	0.2339
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	23.39	23.41	23.28	24.30	0.2692
1.4	1	0	16-QAM	22.76	22.62	22.55	23.65	0.2317
Limit	ERP < 3W			Result			Pass	



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LTE Band 13 Maximum Average Power [dBm] (GT - LC = 2.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.41	-	24.25	0.2661
10	1	0	16-QAM		22.73		23.57	0.2275
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = 2.99 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.34	23.29	23.34	24.18	0.2618
5	1	0	16-QAM	22.63	22.66	22.67	23.51	0.2244
Limit	ERP < 3W			Result			Pass	

**FCC RADIO TEST REPORT**

Report No. : FG461443-01B

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.26	23.43	23.27	24.32	0.2704
10	1	0	16-QAM	22.64	22.58	22.62	23.66	0.2323
Limit	ERP < 3W			Result			Pass	

LTE Band 17 Maximum Average Power [dBm] (GT - LC = 3.04 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.08	23.26	23.15	24.21	0.2636
5	1	0	16-QAM	22.47	22.40	22.45	23.55	0.2265
Limit	ERP < 3W			Result			Pass	



LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.13	23.30	23.13	23.43	0.2203
15	1	0	16-QAM	22.49	22.62	22.62	22.90	0.1950
Limit	ERP < 7W			Result			Pass	

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.93	23.11	23.00	23.30	0.2138
10	1	0	16-QAM	22.32	22.44	22.46	22.78	0.1897
Limit	ERP < 7W			Result			Pass	

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.02	23.12	23.03	23.27	0.2123
5	1	0	16-QAM	22.37	22.48	22.52	22.75	0.1884
Limit	ERP < 7W			Result			Pass	

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.96	23.15	22.98	23.28	0.2128
3	1	0	16-QAM	22.33	22.51	22.42	22.71	0.1866
Limit	ERP < 7W			Result			Pass	

LTE Band 26 (Part22H) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.95	23.17	23.02	23.32	0.2148
1.4	1	0	16-QAM	22.38	22.47	22.52	22.74	0.1879
Limit	ERP < 7W			Result			Pass	



LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.42	23.54	23.40	26.87	0.4864
20	1	0	16-QAM	22.79	22.74	22.70	26.33	0.4295
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.25	23.40	23.24	26.73	0.4710
15	1	0	16-QAM	22.64	22.64	22.51	26.20	0.4169
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	23.23	23.42	23.25	26.75	0.4732
10	1	0	16-QAM	22.63	22.60	22.51	26.13	0.4102
Limit	EIRP < 2W			Result			Pass	

LTE Band 38 Maximum Average Power [dBm] (GT - LC = 3.33 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	23.25	23.40	23.27	26.73	0.4710
5	1	0	16-QAM	22.63	22.54	22.59	26.19	0.4159
Limit	EIRP < 2W			Result			Pass	



LTE Band 41 Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.03	23.40	23.87	27.48	0.5598
20	1	0	16-QAM	22.08	22.44	22.67	26.49	0.4457
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.88	23.26	23.76	27.37	0.5458
15	1	0	16-QAM	21.89	22.34	22.50	26.33	0.4295
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.87	23.30	23.67	27.28	0.5346
10	1	0	16-QAM	21.95	22.27	22.50	26.30	0.4266
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.86	23.26	23.69	27.30	0.5370
5	1	0	16-QAM	21.90	22.32	22.54	26.31	0.4276
Limit	EIRP < 2W			Result			Pass	



LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	24.62	25.01	25.33	28.94	0.7834
20	1	0	16-QAM	23.92	24.23	24.55	28.16	0.6546
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	24.51	24.93	25.25	28.86	0.7691
15	1	0	16-QAM	23.72	24.25	24.54	28.15	0.6531
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	24.67	25.01	25.52	29.13	0.8185
10	1	0	16-QAM	23.91	24.26	24.75	28.36	0.6855
Limit	EIRP < 2W			Result			Pass	

LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 3.61 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	24.62	24.95	25.55	29.16	0.8241
5	1	0	16-QAM	23.99	24.30	24.87	28.48	0.7047
Limit	EIRP < 2W			Result			Pass	



LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	21.73	-	22.67	0.1849
10	1	0	16-QAM		20.91		21.93	0.1560
Limit	EIRP < 250mW/5MHz			Result			Pass	

LTE Band 30 Maximum Average Power [dBm] (GT - LC = 0.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.62	21.58	21.54	22.56	0.1803
5	1	0	16-QAM	20.77	20.74	20.73	21.81	0.1517
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.



LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.94	23.29	23.16	26.63	0.4603
20	1	0	16-QAM	22.36	22.06	22.63	26.34	0.4305
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.84	23.04	23.01	26.38	0.4345
15	1	0	16-QAM	22.22	21.95	22.52	26.22	0.4188
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.73	22.87	22.82	26.21	0.4178
10	1	0	16-QAM	22.02	21.79	22.39	26.12	0.4093
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.66	22.94	22.84	26.28	0.4246
5	1	0	16-QAM	22.10	21.79	22.34	26.06	0.4036
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.69	22.85	22.88	26.22	0.4188
3	1	0	16-QAM	22.10	21.80	22.38	26.12	0.4093
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = 3.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.68	22.89	22.91	26.62	0.4592
1.4	1	0	16-QAM	22.10	21.75	22.35	26.11	0.4083
Limit	EIRP < 1W			Result			Pass	



LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
20	1	0	QPSK	23.50	23.71	23.53	24.36	0.2729
20	1	0	16-QAM	22.86	22.91	22.90	23.56	0.2270
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	23.32	23.54	23.42	24.24	0.2655
15	1	0	16-QAM	22.68	22.77	22.79	23.44	0.2208
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	23.38	23.60	23.40	24.25	0.2661
10	1	0	16-QAM	22.74	22.79	22.73	23.44	0.2208
Limit	ERP < 3W			Result			Pass	

LTE Band 71 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.40	23.54	23.40	24.19	0.2624
5	1	0	16-QAM	22.71	22.77	22.75	23.42	0.2198
Limit	ERP < 3W			Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG461443-01B

LTE Band 14 Maximum Average Power [dBm] (GT - LC = 2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	23.11	-	23.16	0.2070
10	1	0	16-QAM		22.40		22.45	0.1758
Limit	ERP < 3W			Result			Pass	

LTE Band 14 Maximum Average Power [dBm] (GT - LC = 2.2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	23.00	22.94	22.96	23.05	0.2018
5	1	0	16-QAM	22.30	22.24	22.21	22.35	0.1718
Limit	ERP < 3W			Result			Pass	



LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.93	-	-	23.39	0.2183
15	1	0	16-QAM	22.44	-	-	22.74	0.1879
Limit	Power < 100W			Result			Pass	

LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.97	-	23.10	0.2042
10	1	0	16-QAM	-	22.35	-	22.61	0.1824
Limit	Power < 100W			Result			Pass	

LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.82	23.12	22.92	23.27	0.2123
5	1	0	16-QAM	22.28	22.31	22.41	22.65	0.1841
Limit	Power < 100W			Result			Pass	

LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.95	23.11	22.96	23.24	0.2109
3	1	0	16-QAM	22.22	22.47	22.38	22.67	0.1849
Limit	Power < 100W			Result			Pass	

LTE Band 26 (Part90S) Maximum Average Power [dBm] (GT - LC = 2.28 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.78	23.17	22.91	23.30	0.2138
1.4	1	0	16-QAM	22.27	22.45	22.38	22.58	0.1811
Limit	Power < 100W			Result			Pass	



LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.63	21.58	21.58	22.11	0.1626
20	1	0	16-QAM	20.70	20.66	20.67	21.33	0.1358
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.54	21.49	21.53	22.03	0.1596
15	1	0	16-QAM	20.67	20.64	20.62	21.25	0.1334
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.62	21.50	21.48	22.06	0.1607
10	1	0	16-QAM	20.65	20.56	20.66	21.24	0.1330
Limit	EIRP < 1W			Result			Pass	

LTE Band 42 Maximum Average Power [dBm] (GT - LC = 0.44 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.56	21.57	21.54	22.08	0.1614
5	1	0	16-QAM	20.63	20.65	20.57	21.27	0.1340
Limit	EIRP < 1W			Result			Pass	



LTE Band 2C_CA Maximum Average Power [dBm] (GT - LC = 3.08 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	24.57	24.62	24.31	27.70	0.5888
20+20	1	99	1	0	16-QAM	23.98	23.96	23.99	27.07	0.5093
20+15	1	74	1	0	QPSK	24.59	24.27	24.18	27.67	0.5848
20+15	1	74	1	0	16-QAM	23.99	24.05	24.22	27.30	0.5370
15+20	1	74	1	0	QPSK	24.43	24.24	24.24	27.51	0.5636
15+20	1	74	1	0	16-QAM	24.01	24.10	23.98	27.18	0.5224
20+10	1	99	1	0	QPSK	24.36	24.27	24.17	27.44	0.5546
20+10	1	99	1	0	16-QAM	24.00	23.96	24.08	27.16	0.5200
10+20	1	49	1	0	QPSK	24.48	24.30	24.24	27.56	0.5702
10+20	1	49	1	0	16-QAM	24.03	23.97	23.98	27.11	0.5140
20+5	1	99	1	0	QPSK	24.44	24.23	24.18	27.52	0.5649
20+5	1	99	1	0	16-QAM	24.10	24.11	24.16	27.24	0.5297
5+20	1	24	1	0	QPSK	24.54	24.42	24.26	27.62	0.5781
5+20	1	24	1	0	16-QAM	24.19	23.93	23.96	27.27	0.5333
15+10	1	74	1	0	QPSK	24.32	24.21	24.38	27.46	0.5572
15+10	1	74	1	0	16-QAM	23.94	23.91	23.80	27.02	0.5035
10+15	1	49	1	0	QPSK	24.46	24.30	24.15	27.54	0.5675
10+15	1	49	1	0	16-QAM	24.08	23.90	24.21	27.29	0.5358
15+15	1	74	1	0	QPSK	24.36	24.27	24.26	27.44	0.5546
15+15	1	74	1	0	16-QAM	24.04	23.76	23.89	27.12	0.5152
Limit	EIRP < 2W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG461443-01B

LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = 2.28 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	1	49	1	0	QPSK	24.20	24.21	24.07	24.34	0.2716
10+10	1	49	1	0	16-QAM	23.77	23.89	23.62	24.02	0.2523
10+5	1	49	1	0	QPSK	24.21	24.04	23.99	24.34	0.2716
10+5	1	49	1	0	16-QAM	23.81	23.67	23.56	23.94	0.2477
5+10	1	24	1	0	QPSK	24.38	24.32	24.11	24.51	0.2825
5+10	1	24	1	0	16-QAM	23.89	23.86	23.69	24.02	0.2523
5+3	1	24	1	0	QPSK	24.47	24.32	23.97	24.60	0.2884
5+3	1	24	1	0	16-QAM	24.15	23.95	23.38	24.28	0.2679
3+5	1	14	1	0	QPSK	24.50	24.34	24.17	24.63	0.2904
3+5	1	14	1	0	16-QAM	24.16	24.11	23.72	24.29	0.2685
Limit	ERP < 7W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG461443-01B

LTE Band 66B_CA Maximum Average Power [dBm] (GT - LC = 3.34 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
10+10	1	49	1	0	QPSK	23.10	22.85	23.35	26.69	0.4667
10+10	1	49	1	0	16-QAM	22.55	22.61	23.18	26.52	0.4487
15+5	1	74	1	0	QPSK	22.98	23.16	23.64	26.98	0.4989
15+5	1	74	1	0	16-QAM	22.64	22.89	23.43	26.77	0.4753
5+15	1	24	1	0	QPSK	23.14	22.76	23.33	26.67	0.4645
5+15	1	24	1	0	16-QAM	22.84	22.53	23.02	26.36	0.4325
10+5	1	49	1	0	QPSK	23.00	22.90	23.59	26.93	0.4932
10+5	1	49	1	0	16-QAM	22.68	22.87	23.35	26.69	0.4667
5+10	1	24	1	0	QPSK	23.27	22.83	23.49	26.83	0.4819
5+10	1	24	1	0	16-QAM	22.92	22.59	23.28	26.62	0.4592
5+5	1	24	1	0	QPSK	14.77	14.75	15.40	18.74	0.0748
5+5	1	24	1	0	16-QAM	15.63	15.63	16.35	19.69	0.0931
Limit	EIRP < 1W					Result			Pass	



FCC RADIO TEST REPORT

Report No. : FG461443-01B

LTE Band 66C_CA Maximum Average Power [dBm] (GT - LC = 3.34 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	22.83	22.88	23.22	26.56	0.4529
20+20	1	99	1	0	16-QAM	22.96	22.84	22.93	26.30	0.4266
20+15	1	74	1	0	QPSK	22.89	22.85	23.21	26.55	0.4519
20+15	1	74	1	0	16-QAM	22.73	22.91	23.21	26.55	0.4519
15+20	1	74	1	0	QPSK	22.95	22.77	23.04	26.38	0.4345
15+20	1	74	1	0	16-QAM	22.75	22.69	22.93	26.27	0.4236
20+10	1	99	1	0	QPSK	22.75	23.06	23.33	26.67	0.4645
20+10	1	99	1	0	16-QAM	22.64	23.00	23.22	26.56	0.4529
10+20	1	49	1	0	QPSK	22.86	23.06	23.08	26.42	0.4385
10+20	1	49	1	0	16-QAM	22.88	22.63	22.96	26.30	0.4266
20+5	1	99	1	0	QPSK	22.90	23.15	23.56	26.90	0.4898
20+5	1	99	1	0	16-QAM	22.69	23.00	23.56	26.90	0.4898
5+20	1	24	1	0	QPSK	23.09	22.75	23.17	26.51	0.4477
5+20	1	24	1	0	16-QAM	22.79	22.49	23.01	26.35	0.4315
15+10	1	74	1	0	QPSK	23.02	22.79	23.37	26.71	0.4688
15+10	1	74	1	0	16-QAM	22.93	22.92	23.27	26.61	0.4581
10+15	1	49	1	0	QPSK	22.95	22.71	23.24	26.58	0.4550
10+15	1	49	1	0	16-QAM	22.83	22.63	23.00	26.34	0.4305
15+15	1	74	1	0	QPSK	23.30	22.72	23.32	26.66	0.4634
15+15	1	74	1	0	16-QAM	22.70	22.76	23.25	26.59	0.4560
Limit	EIRP < 1W					Result			Pass	



LTE Band 7C_CA Maximum Average Power [dBm] (GT - LC = 3.4 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	24.07	24.17	24.17	27.57	0.5715
20+20	1	99	1	0	16-QAM	24.05	24.13	24.12	27.53	0.5662
20+15	1	99	1	0	QPSK	24.05	24.17	24.17	27.57	0.5715
20+15	1	99	1	0	16-QAM	24.04	24.14	24.08	27.54	0.5675
15+20	1	74	1	0	QPSK	24.00	24.26	24.20	27.66	0.5834
15+20	1	74	1	0	16-QAM	24.06	24.15	24.13	27.55	0.5689
20+10	1	99	1	0	QPSK	24.05	24.20	24.09	27.60	0.5754
20+10	1	99	1	0	16-QAM	24.08	24.19	24.08	27.59	0.5741
10+20	1	49	1	0	QPSK	23.99	24.42	24.10	27.82	0.6053
10+20	1	49	1	0	16-QAM	23.93	24.26	24.07	27.66	0.5834
15+15	1	74	1	0	QPSK	23.85	24.33	24.13	27.73	0.5929
15+15	1	74	1	0	16-QAM	23.91	24.06	24.27	27.67	0.5848
15+10	1	74	1	0	QPSK	23.88	24.20	24.28	27.68	0.5861
15+10	1	74	1	0	16-QAM	24.07	24.08	24.13	27.53	0.5662
Limit	EIRP < 2W					Result			Pass	



LTE Band 38C_CA Maximum Average Power [dBm] (GT - LC = 3.33 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	23.25	23.33	23.26	26.66	0.4634
20+20	1	99	1	0	16-QAM	5.80	23.51	23.52	26.85	0.4842
15+15	1	74	1	0	QPSK	23.25	23.22	23.25	26.58	0.4550
15+15	1	74	1	0	16-QAM	23.44	23.49	23.45	26.82	0.4808
Limit	EIRP < 2W					Result			Pass	



LTE Band 41C(HPUE)_CA Maximum Average Power [dBm] (GT - LC = 3.61 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	26.26	26.36	26.31	29.97	0.9931
20+20	1	99	1	0	16-QAM	25.55	25.78	26.01	29.62	0.9162
20+15	1	99	1	0	QPSK	26.25	26.37	26.33	29.98	0.9954
20+15	1	99	1	0	16-QAM	25.59	25.77	26.41	30.02	1.0046
15+20	1	74	1	0	QPSK	26.18	26.38	26.36	29.99	0.9977
15+20	1	74	1	0	16-QAM	25.53	25.77	25.96	29.57	0.9057
20+10	1	99	1	0	QPSK	26.28	26.35	26.33	29.96	0.9908
20+10	1	99	1	0	16-QAM	25.60	25.77	26.14	29.75	0.9441
10+20	1	49	1	0	QPSK	26.17	26.32	26.36	29.97	0.9931
10+20	1	49	1	0	16-QAM	25.54	25.83	26.08	29.69	0.9311
20+5	1	99	1	0	QPSK	26.29	26.33	26.32	29.94	0.9863
20+5	1	99	1	0	16-QAM	25.61	25.85	26.35	29.96	0.9908
5+20	1	24	1	0	QPSK	26.08	26.28	26.37	29.98	0.9954
5+20	1	24	1	0	16-QAM	25.59	25.95	26.06	29.67	0.9268
15+10	1	74	1	0	QPSK	26.21	26.31	26.39	30.00	1.0000
15+10	1	74	1	0	16-QAM	25.57	25.83	26.19	29.80	0.9550
10+15	1	49	1	0	QPSK	26.16	26.38	26.33	29.99	0.9977
10+15	1	49	1	0	16-QAM	25.56	25.92	26.13	29.74	0.9419
15+15	1	74	1	0	QPSK	26.16	26.32	26.37	29.98	0.9954
15+15	1	74	1	0	16-QAM	25.56	25.82	26.10	29.71	0.9354
Limit	EIRP < 2W					Result			Pass	



LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 0.44 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	22.04	21.93	21.82	22.48	0.1770
20+20	1	99	1	0	16-QAM	21.68	21.48	21.38	22.12	0.1629
20+15	1	74	1	0	QPSK	22.08	21.99	21.62	22.52	0.1786
20+15	1	74	1	0	16-QAM	21.63	21.61	21.37	22.07	0.1611
15+20	1	74	1	0	QPSK	22.10	21.95	21.69	22.54	0.1795
15+20	1	74	1	0	16-QAM	21.64	21.50	21.42	22.08	0.1614
20+10	1	99	1	0	QPSK	22.10	22.06	21.61	22.54	0.1795
20+10	1	99	1	0	16-QAM	21.68	21.59	21.32	22.12	0.1629
10+20	1	49	1	0	QPSK	22.15	22.00	21.73	22.59	0.1816
10+20	1	49	1	0	16-QAM	21.71	21.58	21.49	22.15	0.1641
20+5	1	99	1	0	QPSK	22.08	22.12	21.58	22.56	0.1803
20+5	1	99	1	0	16-QAM	21.63	21.58	21.37	22.07	0.1611
5+20	1	24	1	0	QPSK	22.19	22.03	21.77	22.63	0.1832
5+20	1	24	1	0	16-QAM	21.65	21.59	21.46	22.09	0.1618
Limit	EIRP < 1W					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)	Amp/Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	Part 22H	LTE B26	H	3339	-60.92	RMS	29.60	-30.17	0.25	-95.23	34.63	-13.00	-47.92	V	Taoglas Antenna 0
3	Part 22H	LTE CA 5B	M	3308	-60.98	RMS	29.60	-30.20	0.25	-95.23	34.60	-13.00	-47.98	H	Taoglas Antenna 0
2	Part 24E	LTE B25	L	7404	-52.27	RMS	36.39	-26.69	0.27	-95.23	32.99	-13.00	-39.27	V	Airgain Antenna 0
3	Part 24E	LTE CA 2C	L	7410	-52.21	RMS	36.38	-26.69	0.26	-95.23	33.07	-13.00	-39.21	V	Airgain Antenna 0
2	Part 27Q	LTE B42	L	13804	-43.97	RMS	39.91	-24.09	0.64	-95.23	34.80	-13.00	-30.97	H	Taoglas Antenna 3
13	Part 27M	LTE B7	H	10204	-47.95	RMS	38.70	-25.87	0.24	-95.23	34.21	-25.00	-22.95	H	Airgain Antenna 0
14	Part 27M	LTE CA 7C	H	10200	-47.56	RMS	38.70	-25.88	0.24	-95.23	34.61	-25.00	-22.56	H	Airgain Antenna 0
26	Part 27M	LTE B41	M	10336	-48.22	RMS	38.60	-25.80	0.23	-95.23	33.98	-25.00	-23.22	H	Airgain Antenna 0
27	Part 27M	LTE CA 41C	M	10368	-47.82	RMS	38.60	-25.78	0.23	-95.23	34.36	-25.00	-22.82	V	Airgain Antenna 0
2	Part 27L	LTE B66	H	7044	-53.31	RMS	36.08	-27.03	0.16	-95.23	32.71	-13.00	-40.31	V	Taoglas Antenna 0
4	Part 27L	LTE CA 66C	M	6944	-53.63	RMS	35.80	-27.07	0.20	-95.23	32.67	-13.00	-40.63	V	Taoglas Antenna 0
19	Part 27H	LTE B12	L	2800	-61.97	RMS	28.60	-30.67	0.25	-95.23	35.08	-13.00	-48.97	H	Airgain Antenna 0
20	Part 27F	LTE B13	M	1560	-64.75	RMS	25.60	-32.49	0.46	-95.23	36.91	-42.15	-22.60	V	Taoglas Antenna 0
21	Part 27D	LTE B30	L	9225	-57.14	RMS	38.15	-47.60	0.09	-95.23	47.45	-40.00	-17.14	H	Airgain Antenna 0
39	Part 27N	LTE B71	L	2656	-62.34	RMS	28.21	-30.85	0.21	-95.23	35.32	-13.00	-49.34	H	Airgain Antenna 0
1	Part 90S	LTE B26	L	3257	-60.38	RMS	29.69	-30.25	0.27	-95.23	35.14	-13.00	-47.38	V	Taoglas Antenna 0
1	Part 90R	LTE B14	H	1584	-64.52	RMS	25.60	-32.45	0.42	-95.23	37.14	-42.15	-22.37	V	Taoglas Antenna 0

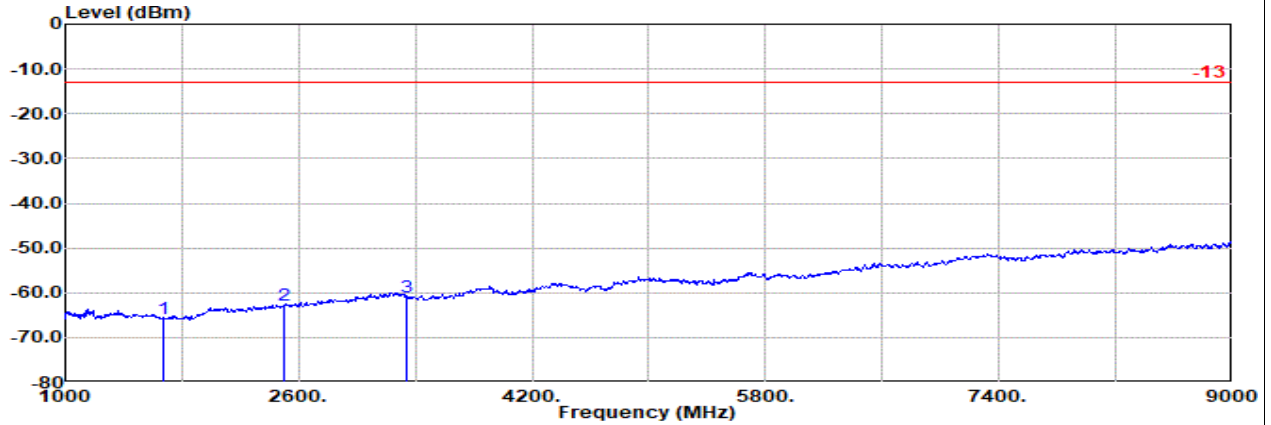


Taoglas Antenna 0

Part 22H Mode 2

LTE B26 15M Ch26965 1RB0 QPSK

H

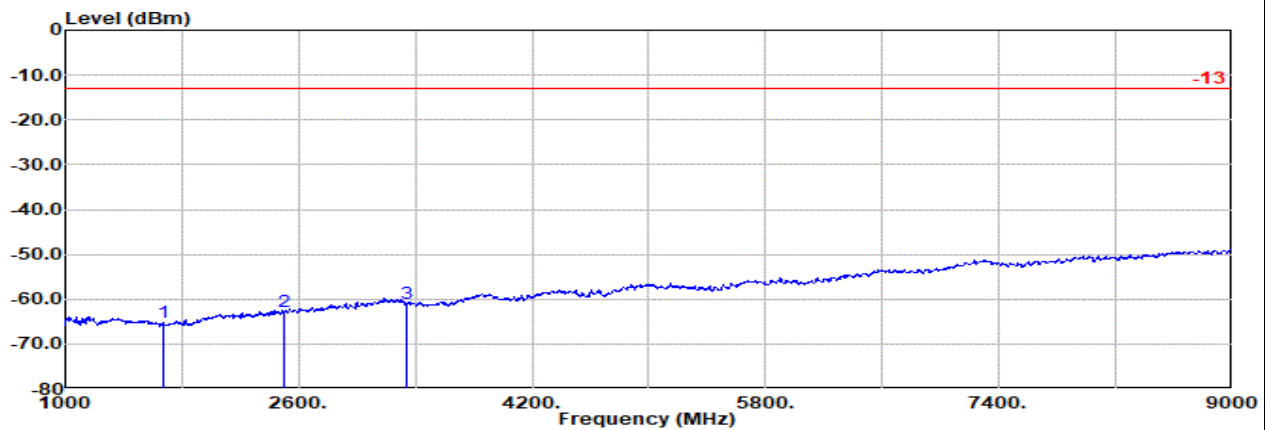


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

Mode : LTE Band 26 15M Ch26965 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1669.00	-65.69	RMS	25.30	-32.31	0.33	-95.23	36.22	-13.00	-52.69	Horizontal
2	2504.00	-62.86	RMS	27.92	-31.06	0.21	-95.23	35.30	-13.00	-49.86	Horizontal
3	3337.20	-61.11	RMS	29.60	-30.17	0.25	-95.23	34.44	-13.00	-48.11	Horizontal

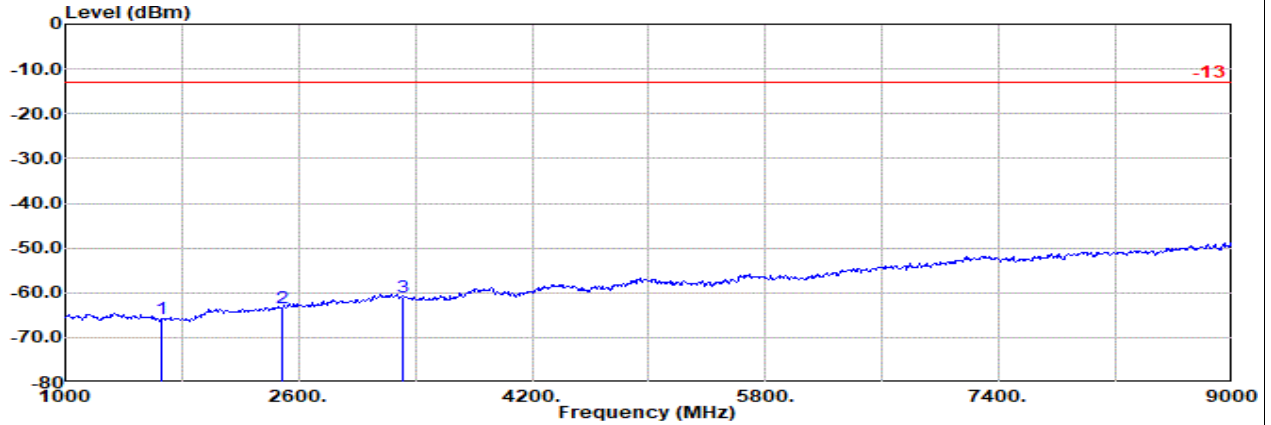


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

Mode : LTE Band 26 15M Ch26965 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1668.00	-65.35	RMS	25.30	-32.31	0.34	-95.23	36.55	-13.00	-52.35	Vertical
2	2504.00	-62.81	RMS	27.92	-31.06	0.21	-95.23	35.35	-13.00	-49.81	Vertical
3	3339.00	-60.92	RMS	29.60	-30.17	0.25	-95.23	34.63	-13.00	-47.92	Vertical

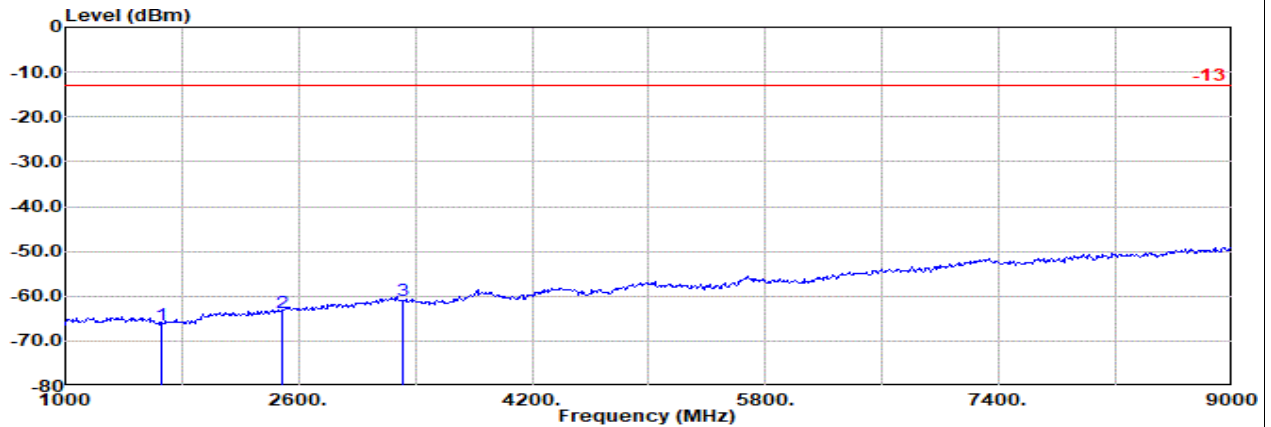
Taoglas Antenna 0
Part 22H Mode 3
LTE CA 5B 10M + 10M Ch20476 1RB49 QPSK + Ch20575 1RB0 QPSK
M


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 5 10M Ch20476 1RB49 QPSK+10M Ch20575

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1654.00	-65.91	RMS	25.30	-32.33	0.35	-95.23	36.00	-13.00	-52.91	Horizontal
2	2481.00	-63.53	RMS	27.79	-31.10	0.22	-95.23	34.79	-13.00	-50.53	Horizontal
3	3308.00	-60.98	RMS	29.60	-30.20	0.25	-95.23	34.60	-13.00	-47.98	Horizontal



Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 5 10M Ch20476 1RB49 QPSK+10M Ch20575

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1654.00	-66.35	RMS	25.30	-32.33	0.35	-95.23	35.56	-13.00	-53.35	Vertical
2	2481.00	-63.61	RMS	27.79	-31.10	0.22	-95.23	34.71	-13.00	-50.61	Vertical
3	3308.00	-61.10	RMS	29.60	-30.20	0.25	-95.23	34.48	-13.00	-48.10	Vertical

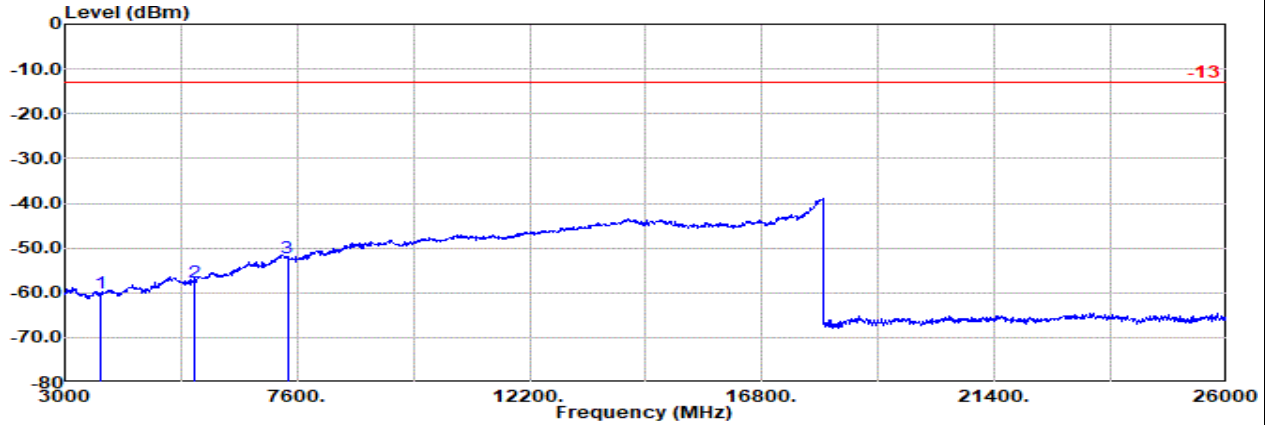


Airgain Antenna 0

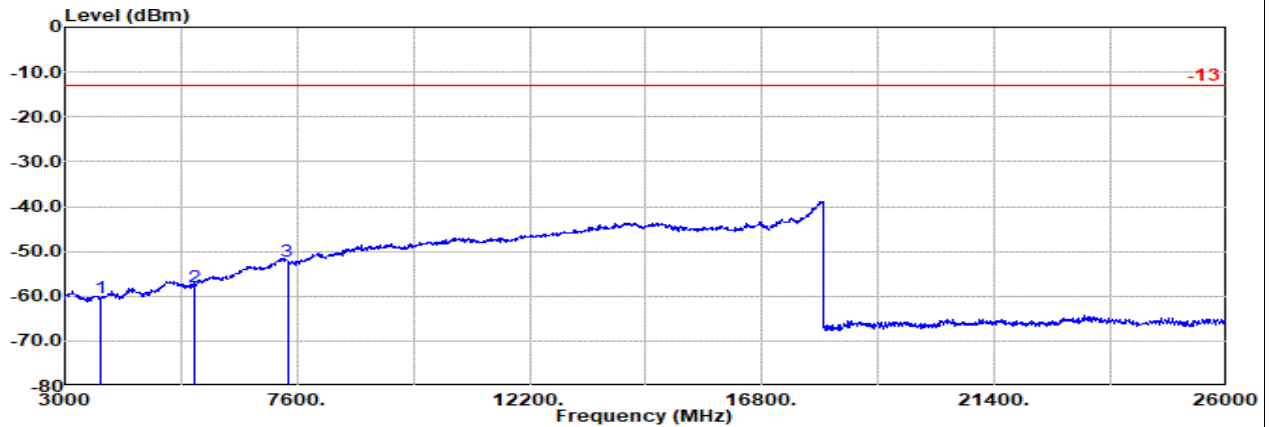
Part 24E Mode 2

LTE B25 20M Ch26140 1RB0 QPSK

L



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3702.00	-59.99	RMS	29.82	-29.92	0.81	-95.23	0.00	-13.00	-46.99	Horizontal
2	5553.00	-57.76	RMS	33.00	-28.19	0.35	-95.23	32.31	-13.00	-44.76	Horizontal
3	7404.00	-52.34	RMS	36.39	-26.69	0.27	-95.23	32.92	-13.00	-39.34	Horizontal



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3702.00	-60.37	RMS	29.82	-29.92	0.81	-95.23	34.15	-13.00	-47.37	Vertical
2	5553.00	-57.93	RMS	33.00	-28.19	0.35	-95.23	32.14	-13.00	-44.93	Vertical
3	7404.00	-52.27	RMS	36.39	-26.69	0.27	-95.23	32.99	-13.00	-39.27	Vertical

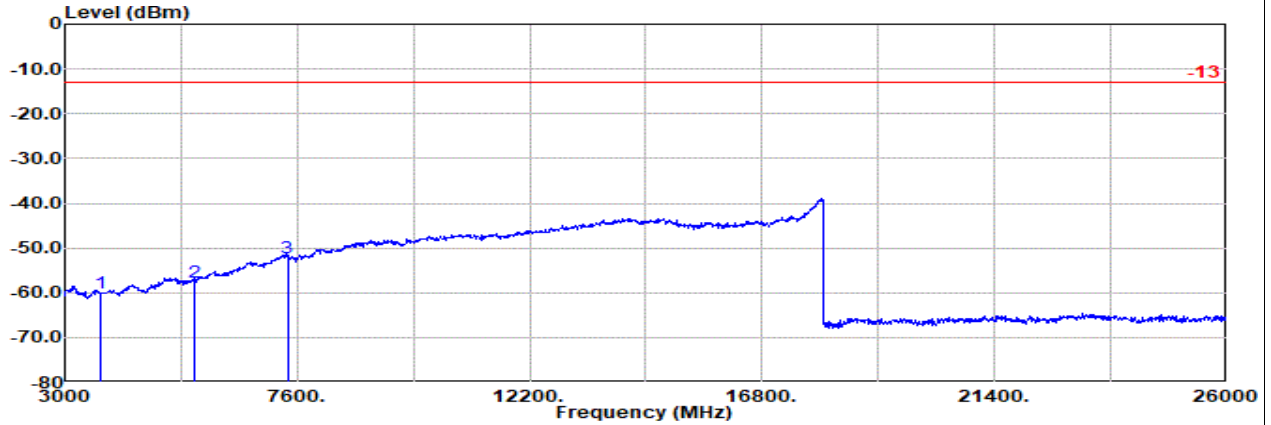


Airgain Antenna 0

Part 24E Mode 3

LTE CA 2C 20M + 20M Ch18700 1RB99 QPSK + Ch18898 1RB0 QPSK

L

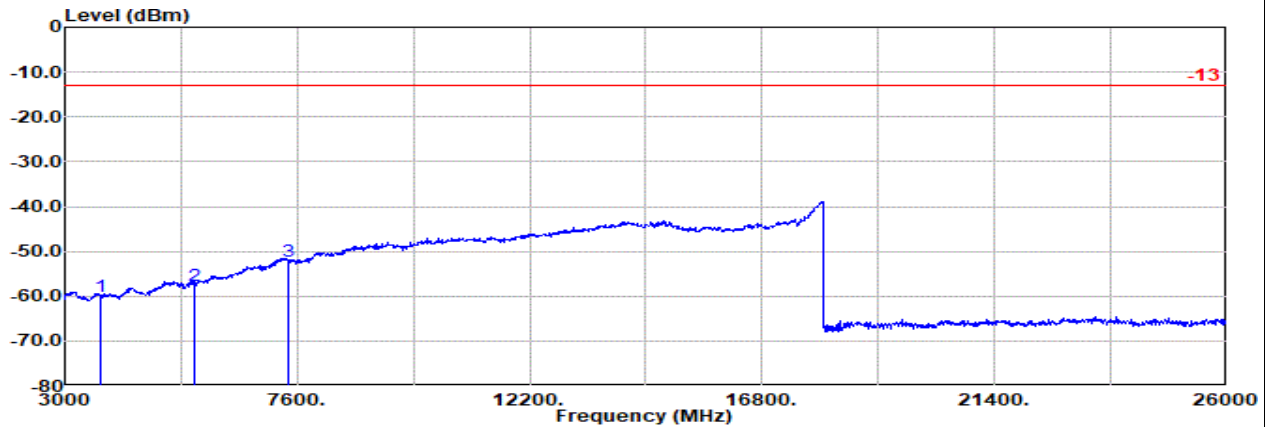


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 2 20M Ch18700 1RB0 QPSK+20M Ch18898

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-60.08	RMS	29.84	-29.92	0.80	-95.23	34.43	-13.00	-47.08	Horizontal
2	5553.00	-57.66	RMS	33.00	-28.19	0.35	-95.23	32.41	-13.00	-44.66	Horizontal
3	7404.00	-52.28	RMS	36.39	-26.69	0.27	-95.23	32.98	-13.00	-39.28	Horizontal



Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 2 20M Ch18700 1RB0 QPSK+20M Ch18898

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3702.00	-60.16	RMS	29.82	-29.92	0.81	-95.23	34.36	-13.00	-47.16	Vertical
2	5550.00	-57.65	RMS	33.00	-28.19	0.35	-95.23	32.42	-13.00	-44.65	Vertical
3	7410.00	-52.21	RMS	36.38	-26.69	0.26	-95.23	33.07	-13.00	-39.21	Vertical

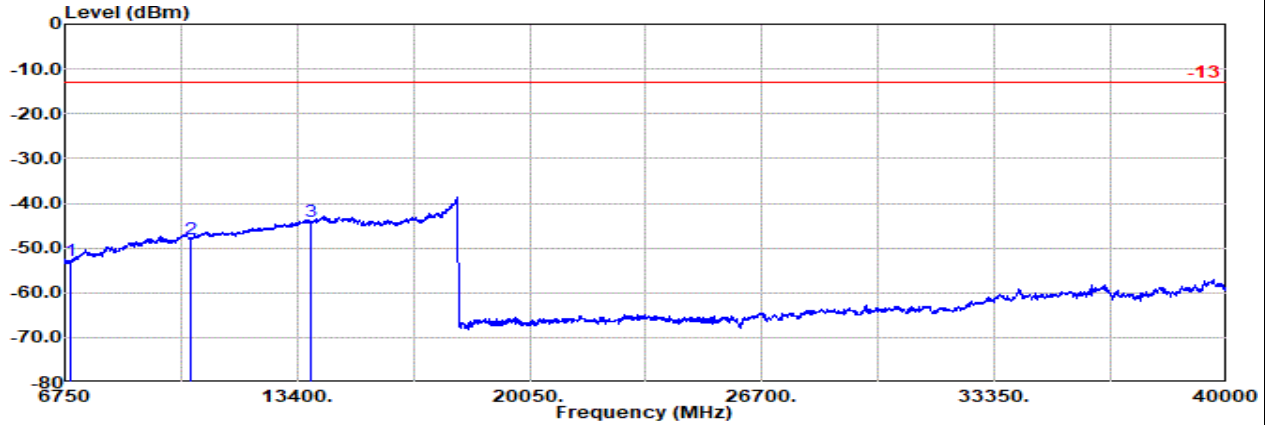


Taoglas Antenna 3

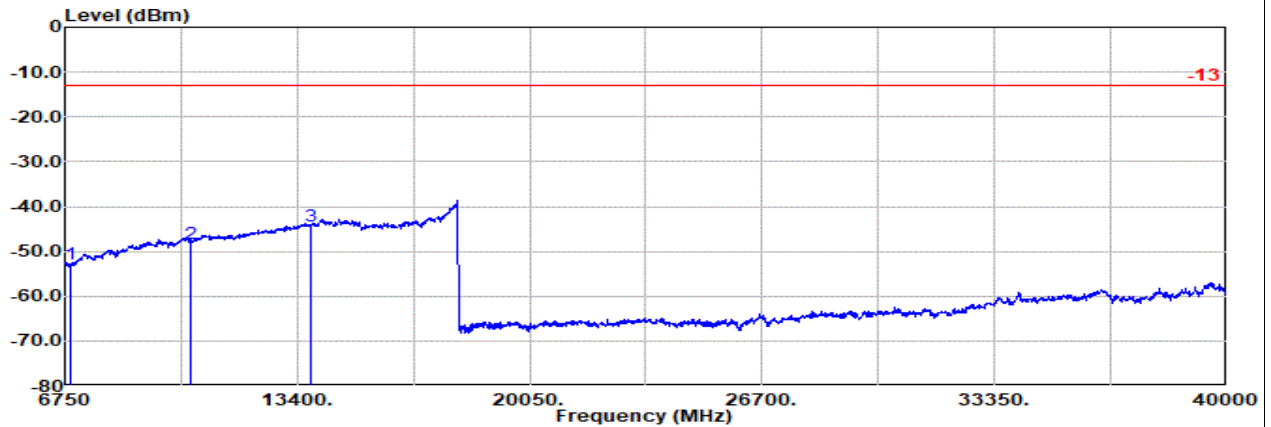
Part 27Q Mode 2

LTE B42 20M Ch42190 1RB0 QPSK

L



	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	6902.00	-52.73	RMS	35.80	-27.08	1.08	-95.23	0.00	-13.00	-39.73	Horizontal		
2	10353.00	-48.06	RMS	38.60	-25.79	0.88	-95.23	33.48	-13.00	-35.06	Horizontal		
3	13804.00	-43.97	RMS	39.91	-24.09	0.64	-95.23	34.80	-13.00	-30.97	Horizontal		



	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	6902.00	-52.77	RMS	35.80	-27.08	1.08	-95.23	32.66	-13.00	-39.77	Vertical		
2	10353.00	-48.16	RMS	38.60	-25.79	0.88	-95.23	33.38	-13.00	-35.16	Vertical		
3	13804.00	-44.29	RMS	39.91	-24.09	0.64	-95.23	34.48	-13.00	-31.29	Vertical		

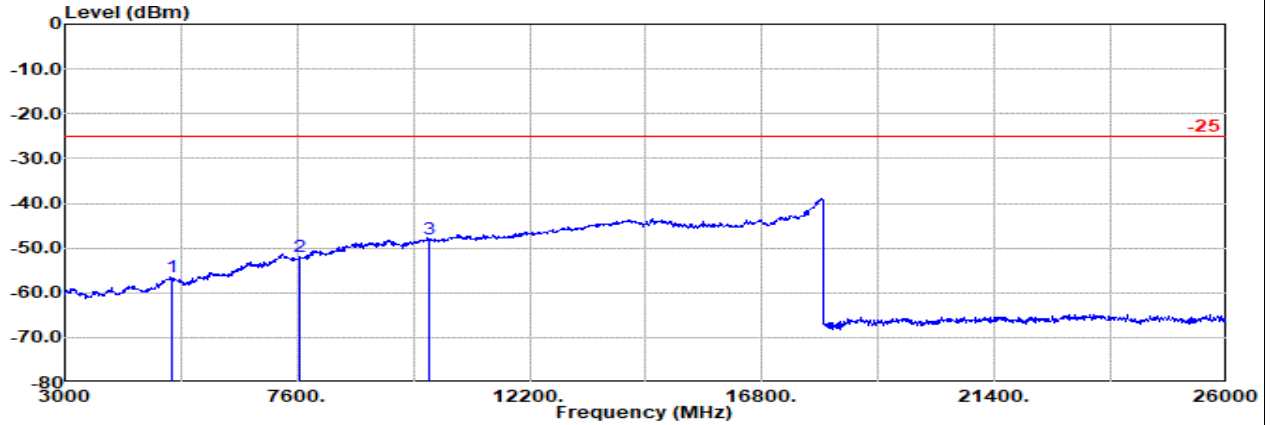


Airgain Antenna 0

Part 27M Mode 13

LTE B7 20M Ch21350 1RB0 QPSK

H

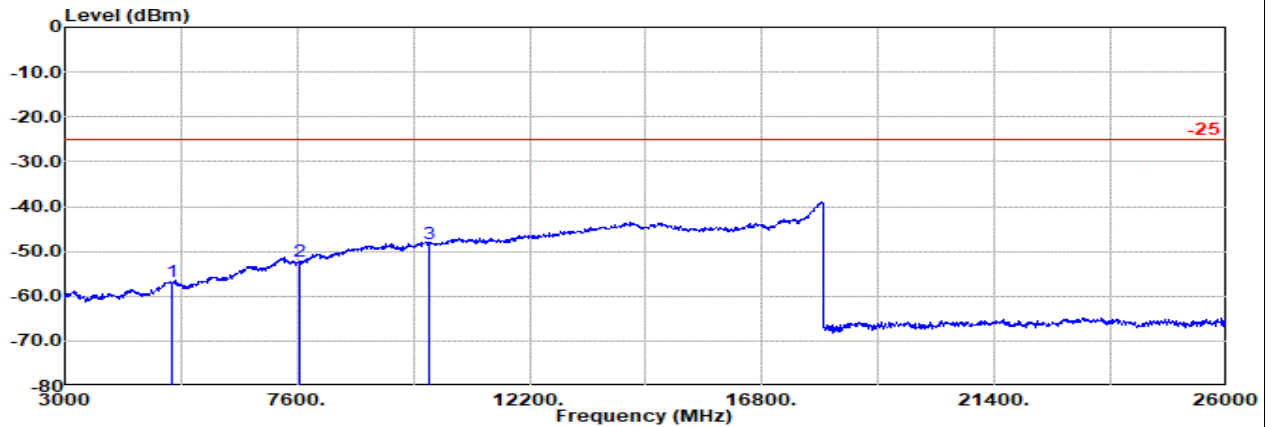


Site : 03CH15-HY

Condition: -25 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5102.00	-56.55	RMS	33.01	-28.47	0.49	-95.23	33.65	-25.00	-31.55	Horizontal
2	7653.00	-52.07	RMS	36.41	-26.60	0.18	-95.23	33.17	-25.00	-27.07	Horizontal
3	10204.00	-47.95	RMS	38.70	-25.87	0.24	-95.23	34.21	-25.00	-22.95	Horizontal



Site : 03CH15-HY

Condition: -25 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	5102.00	-56.76	RMS	33.01	-28.47	0.49	-95.23	33.44	-25.00	-31.76	Vertical
2	7653.00	-52.34	RMS	36.41	-26.60	0.18	-95.23	32.90	-25.00	-27.34	Vertical
3	10204.00	-48.20	RMS	38.70	-25.87	0.24	-95.23	33.96	-25.00	-23.20	Vertical

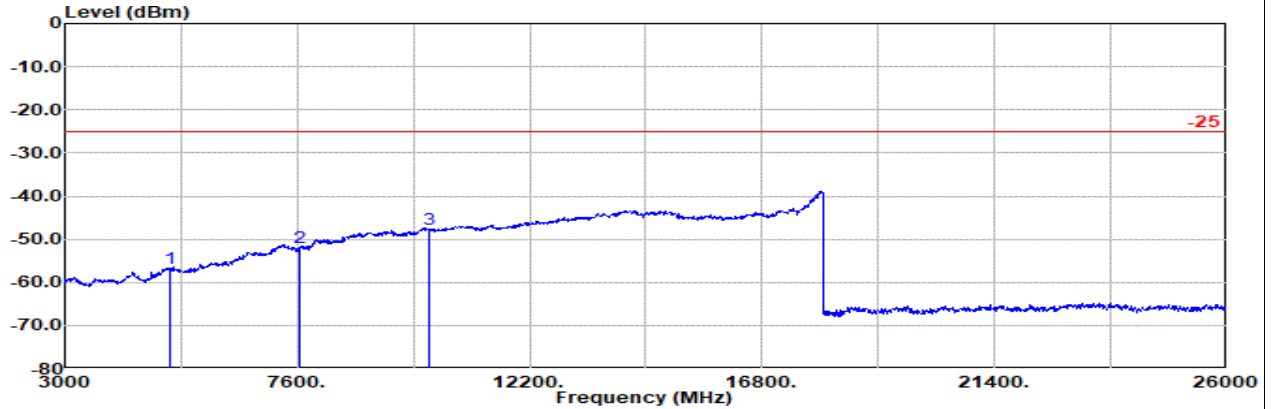


Airgain Antenna 0

Part 27M Mode 14

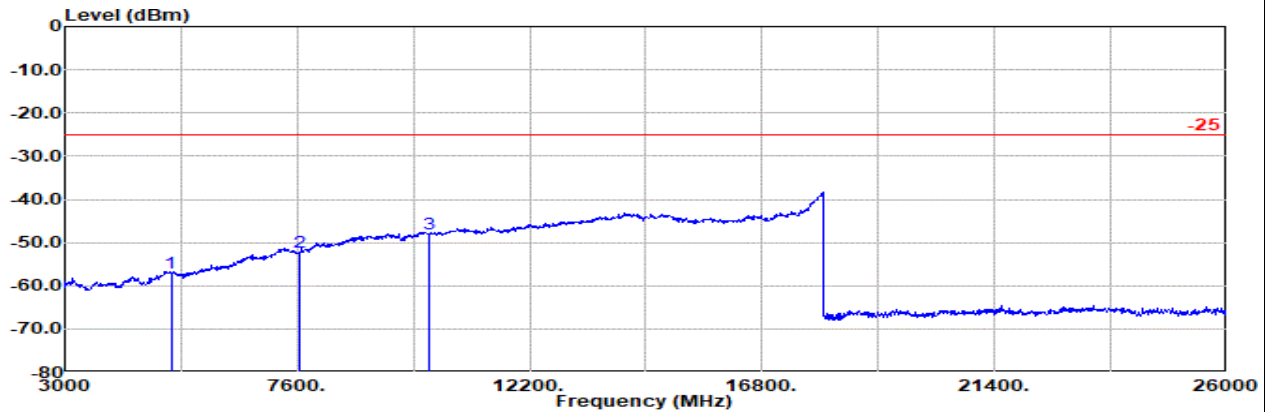
LTE CA 7C 20M + 20M Ch21152 1RB99 QPSK + Ch21350 1RB0 QPSK

H



Site : 03CH15-HY
Condition: -25 3m BBHA 9120 D_9120D-02294 Horizontal
: LTE Band 7 20M Ch21152 1RB99 QPSK
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	5098.00	-56.78	RMS	33.00	-28.47	0.49	-95.23	33.43	-25.00	-31.78	Horizontal
2	7647.00	-52.06	RMS	36.39	-26.60	0.17	-95.23	33.21	-25.00	-27.06	Horizontal
3	10200.00	-47.56	RMS	38.70	-25.88	0.24	-95.23	34.61	-25.00	-22.56	Horizontal



Site : 03CH15-HY
Condition: -25 3m BBHA 9120 D_9120D-02294 Vertical
: LTE Band 7 20M Ch21152 1RB99 QPSK
: LTE Band 7 20M Ch21350 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	5100.00	-56.91	RMS	33.00	-28.47	0.49	-95.23	33.30	-25.00	-31.91	Vertical
2	7647.00	-52.13	RMS	36.39	-26.60	0.17	-95.23	33.14	-25.00	-27.13	Vertical
3	10196.00	-47.97	RMS	38.69	-25.88	0.24	-95.23	34.21	-25.00	-22.97	Vertical

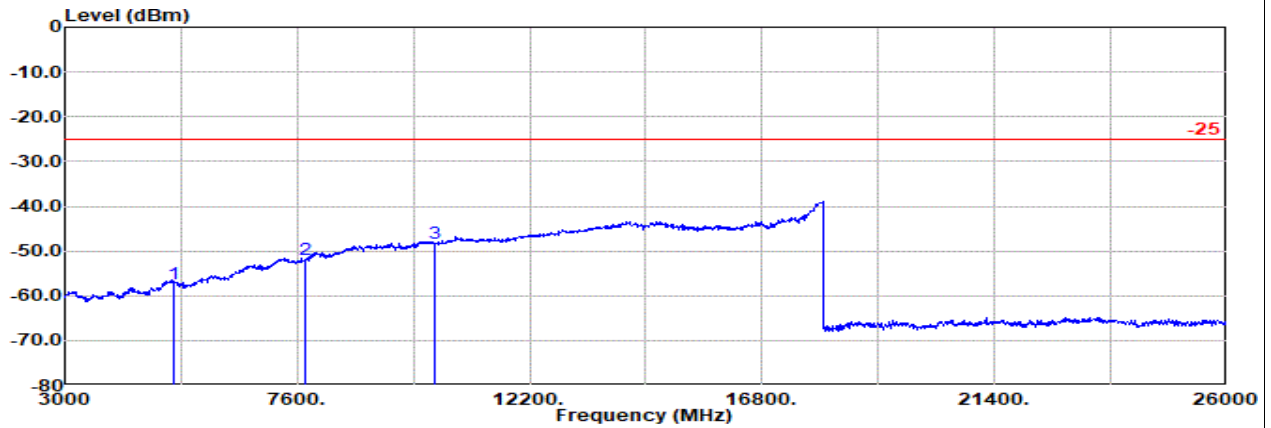


Airgain Antenna 0

Part 27M Mode 26

LTE B41 20M Ch40620 1RB0 QPSK

M

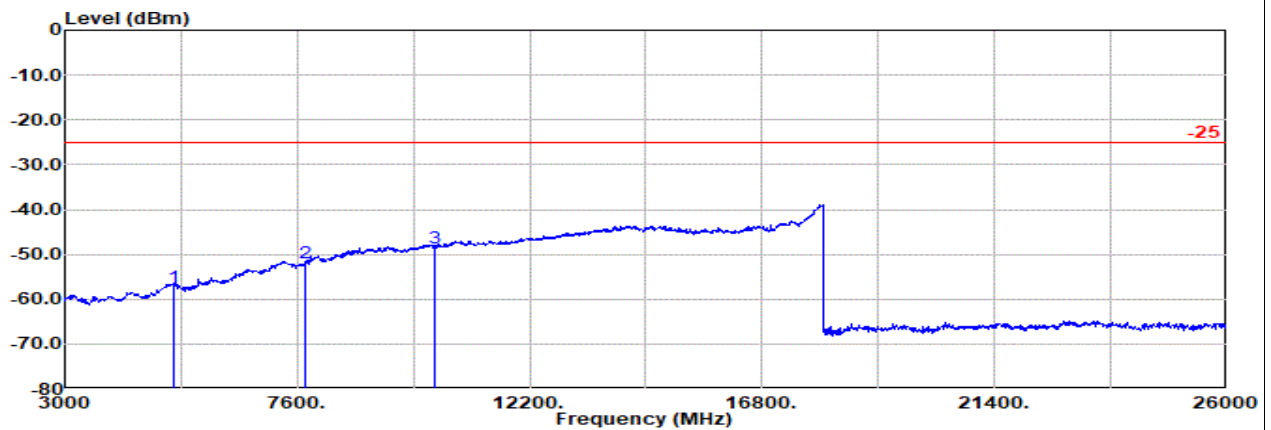


Site : 03CH15-HY

Condition: -25 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5168.00	-57.29	RMS	33.13	-28.42	0.50	-95.23	0.00	-25.00	-32.29	Horizontal
2	7752.00	-51.94	RMS	36.71	-26.56	0.28	-95.23	32.86	-25.00	-26.94	Horizontal
3	10336.00	-48.22	RMS	38.60	-25.80	0.23	-95.23	33.98	-25.00	-23.22	Horizontal



Site : 03CH15-HY

Condition: -25 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 41 20M Ch40620 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5168.00	-57.30	RMS	33.13	-28.42	0.50	-95.23	32.72	-25.00	-32.30	Vertical
2	7752.00	-52.02	RMS	36.71	-26.56	0.28	-95.23	32.78	-25.00	-27.02	Vertical
3	10336.00	-48.50	RMS	38.60	-25.80	0.23	-95.23	33.70	-25.00	-23.50	Vertical

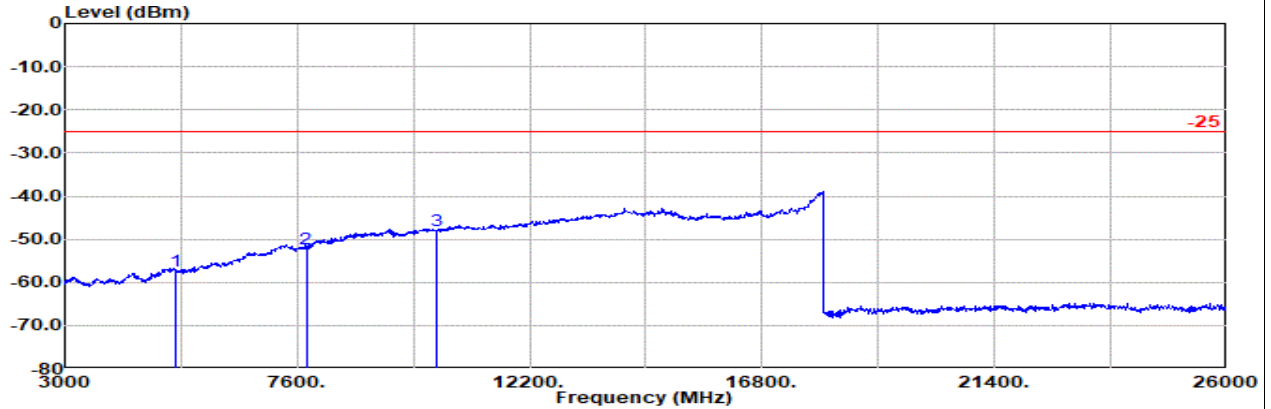


Airgain Antenna 0

Part 27M Mode 27

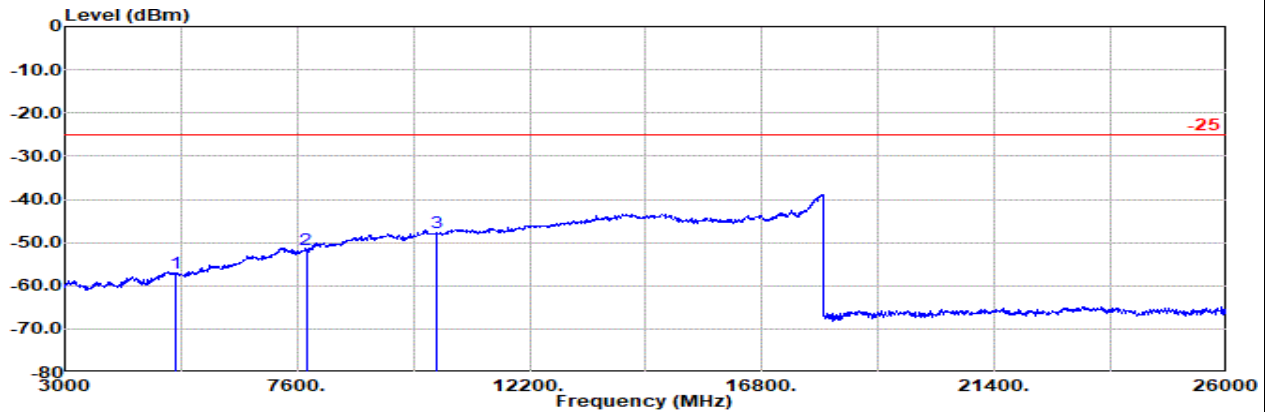
LTE CA 41C 20M + 20M Ch40521 1RB99 QPSK + Ch40719 1RB0 QPSK

M



Site : 03CH15-HY
Condition: -25 3m BBHA 9120 D_9120D-02294 Horizontal
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	5184.00	-57.26	RMS	33.06	-28.41	0.51	-95.23	32.81	-25.00	-32.26	Horizontal	
2	7776.00	-52.12	RMS	36.80	-26.55	0.30	-95.23	32.56	-25.00	-27.12	Horizontal	
3	10365.00	-47.88	RMS	38.60	-25.78	0.23	-95.23	34.30	-25.00	-22.88	Horizontal	



Site : 03CH15-HY
Condition: -25 3m BBHA 9120 D_9120D-02294 Vertical
: LTE Band 41 20M Ch40521 1RB99 QPSK
: LTE Band 41 20M Ch40719 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	5190.00	-57.15	RMS	33.04	-28.40	0.51	-95.23	32.93	-25.00	-32.15	Vertical	
2	7776.00	-51.68	RMS	36.80	-26.55	0.30	-95.23	33.00	-25.00	-26.68	Vertical	
3	10368.00	-47.82	RMS	38.60	-25.78	0.23	-95.23	34.36	-25.00	-22.82	Vertical	

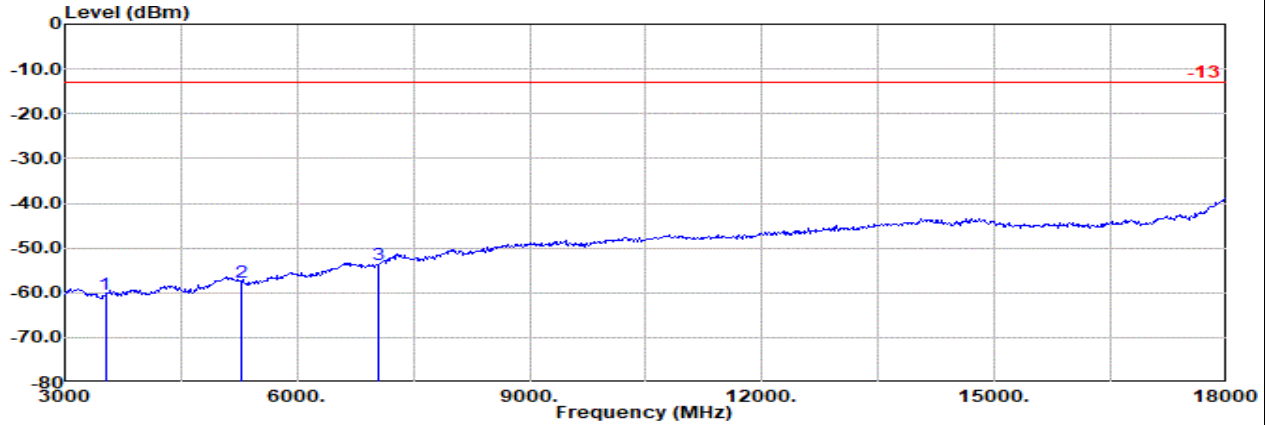


Taoglas Antenna 0

Part 27L Mode 2

LTE B66 20M Ch132572 1RB0 QPSK

H

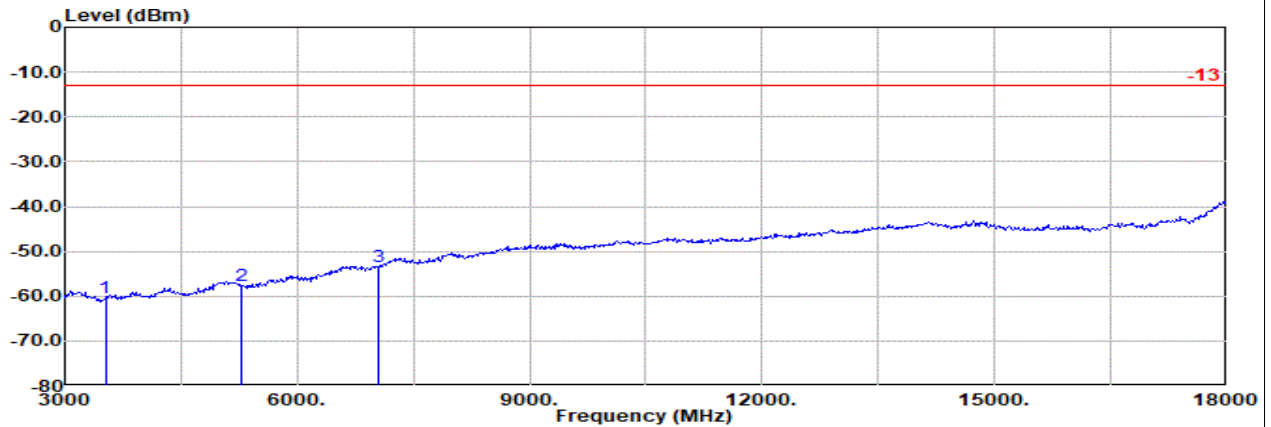


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-60.46	RMS	29.54	-30.01	0.99	-95.23	34.25	-13.00	-47.46	Horizontal
2	5283.00	-57.65	RMS	32.93	-28.32	0.45	-95.23	32.52	-13.00	-44.65	Horizontal
3	7044.00	-53.72	RMS	36.08	-27.03	0.16	-95.23	32.30	-13.00	-40.72	Horizontal



Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-60.34	RMS	29.54	-30.01	0.99	-95.23	34.37	-13.00	-47.34	Vertical
2	5283.00	-57.69	RMS	32.93	-28.32	0.45	-95.23	32.48	-13.00	-44.69	Vertical
3	7044.00	-53.31	RMS	36.08	-27.03	0.16	-95.23	32.71	-13.00	-40.31	Vertical

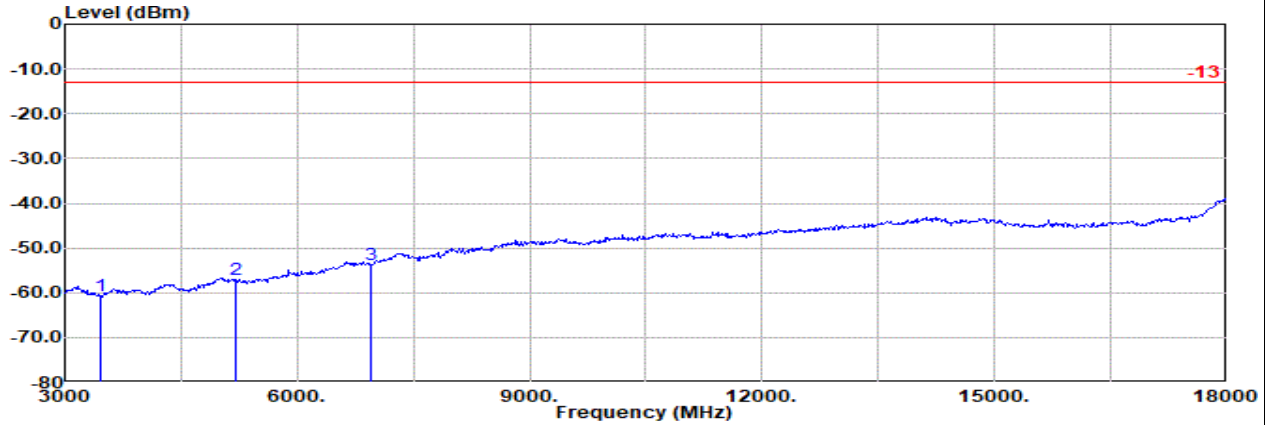


Taoglas Antenna 0

Part 27L Mode 4

LTE CA 66C 20M + 20M Ch132323 1RB99 QPSK + Ch132521 1RB0 QPSK

M

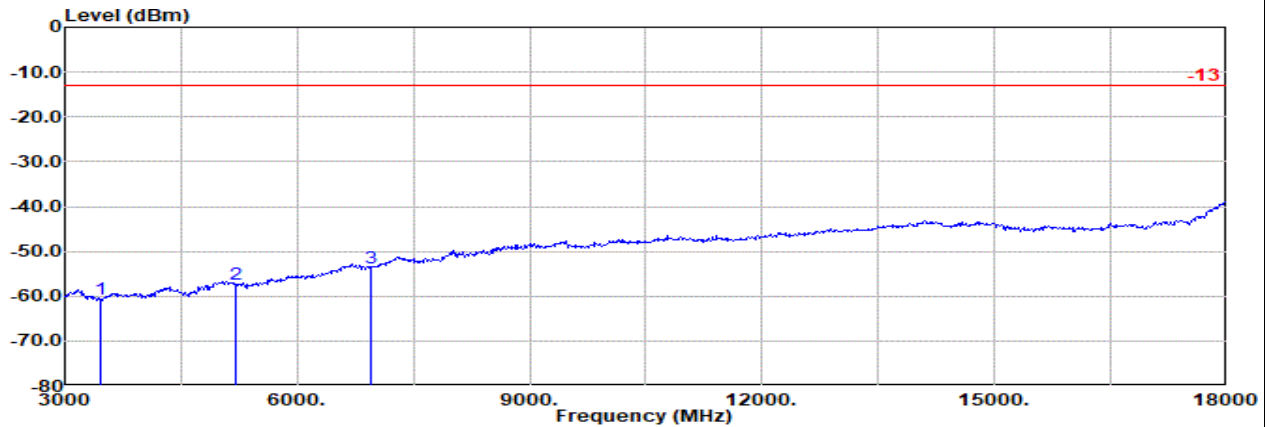


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

Mode : LTE Band 66 20M Ch132323 1RB0 QPSK+20M Ch132521

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm						dBuV	dBm	dB	
1	3472.00	-60.66	RMS	29.56	-30.05	1.02	-95.23	34.04	-13.00	-47.66	Horizontal
2	5208.00	-57.20	RMS	33.00	-28.39	0.50	-95.23	32.92	-13.00	-44.20	Horizontal
3	6945.00	-53.66	RMS	35.80	-27.07	0.20	-95.23	32.64	-13.00	-40.66	Horizontal



Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

Mode : LTE Band 66 20M Ch132323 1RB0 QPSK+20M Ch132521

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm						dBuV	dBm	dB	
1	3465.00	-60.81	RMS	29.57	-30.05	1.02	-95.23	33.88	-13.00	-47.81	Vertical
2	5208.00	-57.32	RMS	33.00	-28.39	0.50	-95.23	32.80	-13.00	-44.32	Vertical
3	6944.00	-53.63	RMS	35.80	-27.07	0.20	-95.23	32.67	-13.00	-40.63	Vertical

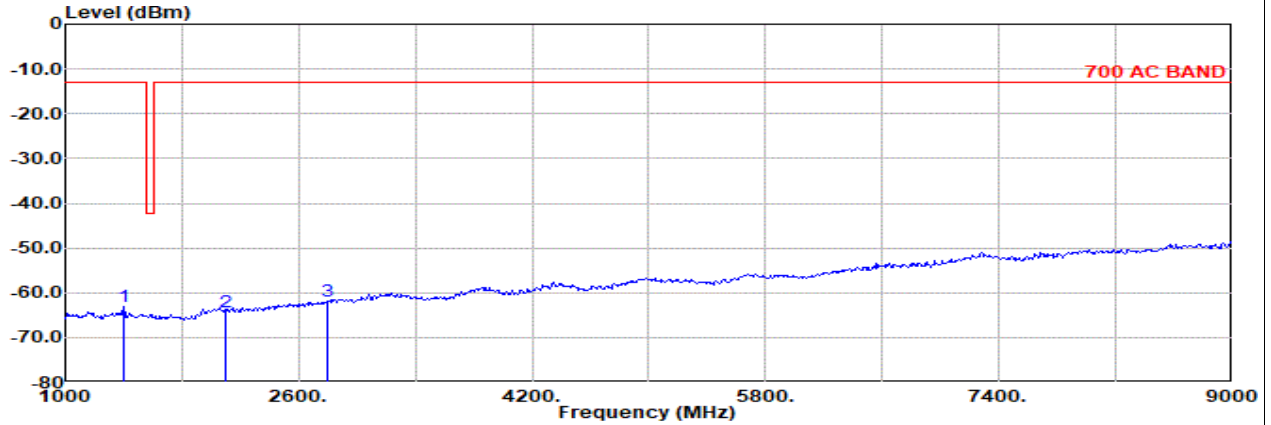


Airgain Antenna 0

Part 27H Mode 19

LTE B12 10M Ch23060 1RB0 QPSK

L

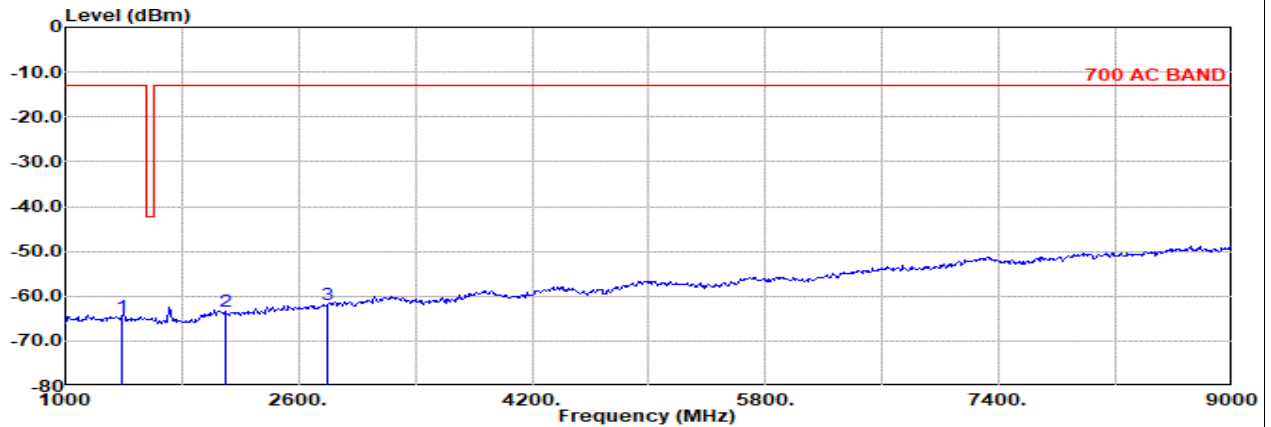


Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1399.00	-63.22	RMS	26.00	-32.77	0.68	-95.23	38.10	-13.00	-50.22	Horizontal
2	2098.00	-64.17	RMS	27.30	-31.65	0.13	-95.23	35.28	-13.00	-51.17	Horizontal
3	2800.00	-61.97	RMS	28.60	-30.67	0.25	-95.23	35.08	-13.00	-48.97	Horizontal



Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1392.00	-64.54	RMS	25.98	-32.79	0.68	-95.23	36.82	-13.00	-51.54	Vertical
2	2098.00	-63.50	RMS	27.30	-31.65	0.13	-95.23	35.95	-13.00	-50.50	Vertical
3	2798.00	-62.02	RMS	28.59	-30.67	0.25	-95.23	35.04	-13.00	-49.02	Vertical

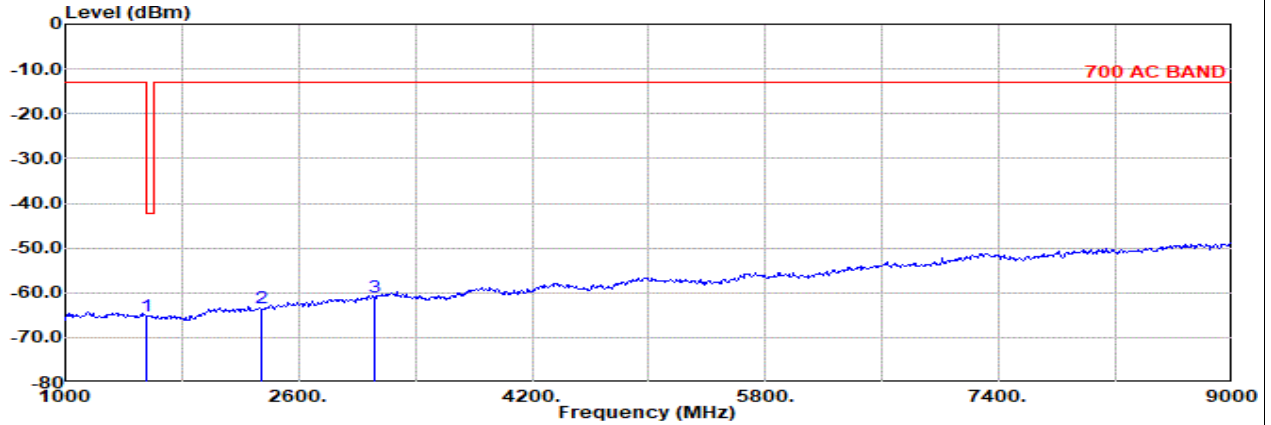


Taoglas Antenna 0

Part 27F Mode 20

LTE B13 5M Ch23230 1RB0 QPSK

M

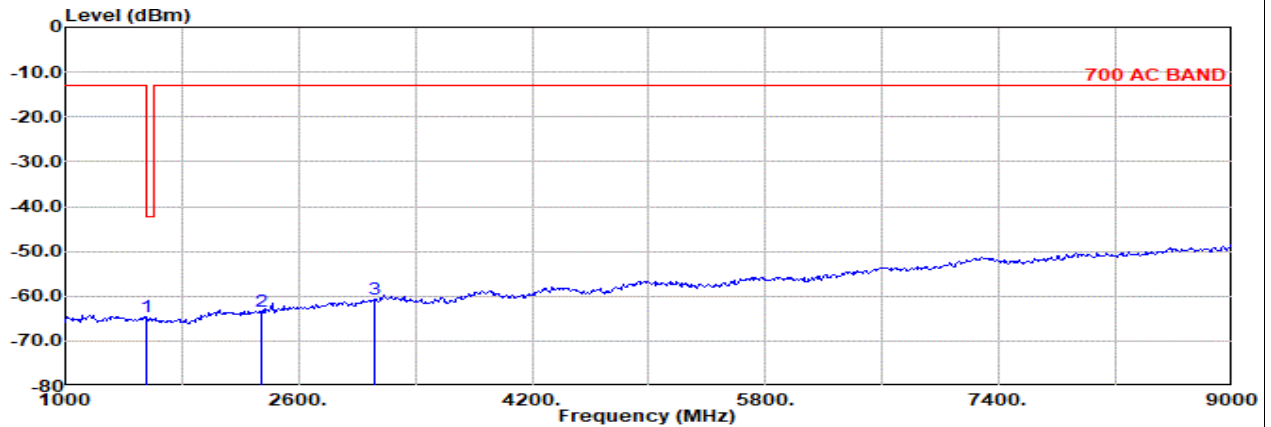


Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1559.00	-65.19	RMS	25.60	-32.49	0.46	-95.23	36.47	-42.15	-23.04	Horizontal
2	2339.00	-63.32	RMS	27.26	-31.31	0.23	-95.23	35.73	-13.00	-50.32	Horizontal
3	3120.00	-60.88	RMS	29.70	-30.38	0.26	-95.23	34.77	-13.00	-47.88	Horizontal



Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1560.00	-64.75	RMS	25.60	-32.49	0.46	-95.23	36.91	-42.15	-22.60	Vertical
2	2339.00	-63.25	RMS	27.26	-31.31	0.23	-95.23	35.80	-13.00	-50.25	Vertical
3	3119.00	-60.62	RMS	29.70	-30.38	0.26	-95.23	35.03	-13.00	-47.62	Vertical

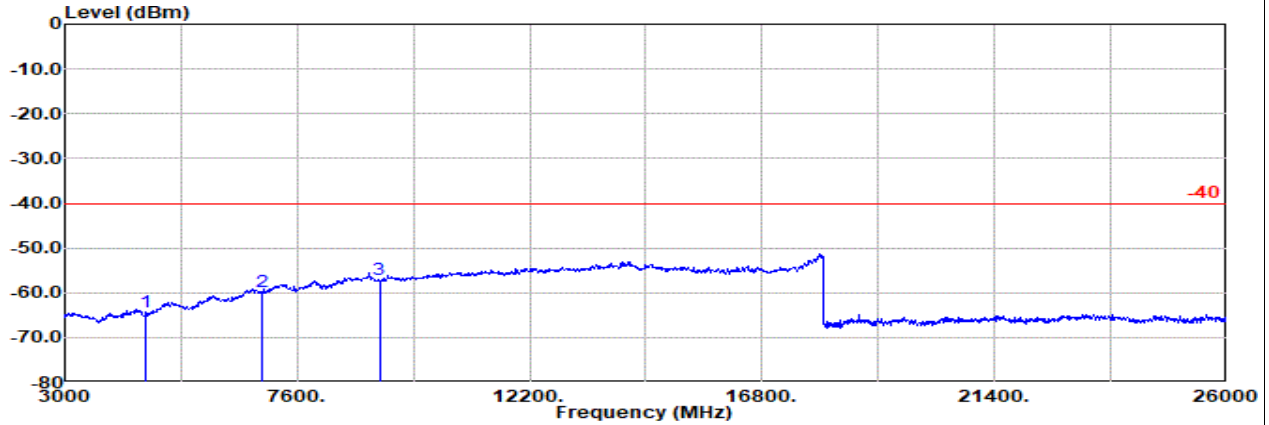


Airgain Antenna 0

Part 27D Mode 21

LTE B30 5M Ch27685 1RB1 QPSK

L

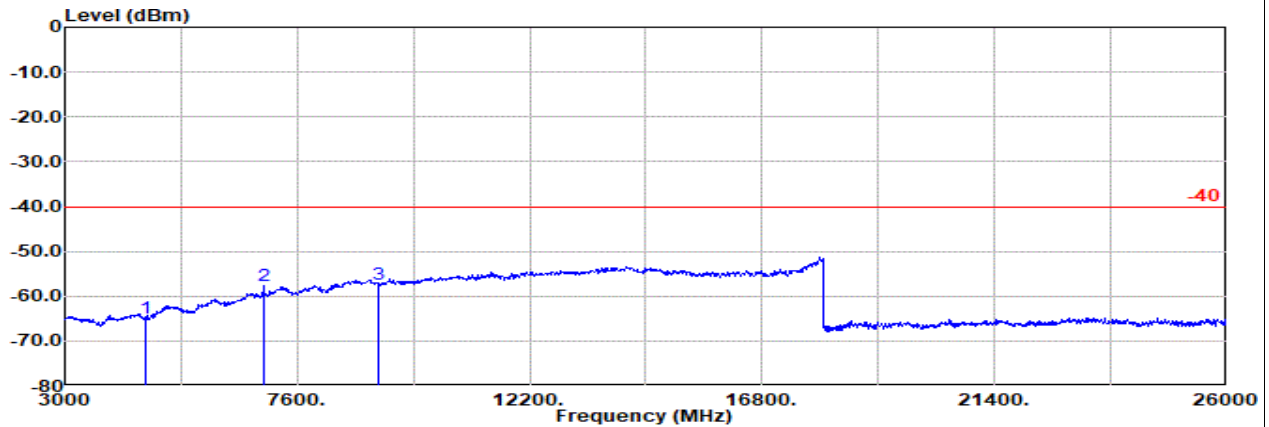


Site : 03CH15-HY

Condition: -40 3m BBHA 9120 D_9120D-02294 Horizontal

Mode : LTE Band 30 5M Ch27685 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4610.00	-64.39	RMS	31.72	-50.60	0.15	-95.23	0.00	-40.00	-24.39	Horizontal
2	6920.00	-59.77	RMS	35.80	-49.58	0.23	-95.23	49.01	-40.00	-19.77	Horizontal
3	9225.00	-57.14	RMS	38.15	-47.60	0.09	-95.23	47.45	-40.00	-17.14	Horizontal



Site : 03CH15-HY

Condition: -40 3m BBHA 9120 D_9120D-02294 Vertical

Mode : LTE Band 30 5M Ch27685 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4605.00	-64.84	RMS	31.71	-50.61	0.15	-95.23	49.14	-40.00	-24.84	Vertical
2	6930.00	-57.55	RMS	35.80	-49.57	0.22	-95.23	51.23	-40.00	-17.55	Vertical
3	9221.00	-57.27	RMS	38.14	-47.60	0.09	-95.23	47.33	-40.00	-17.27	Vertical

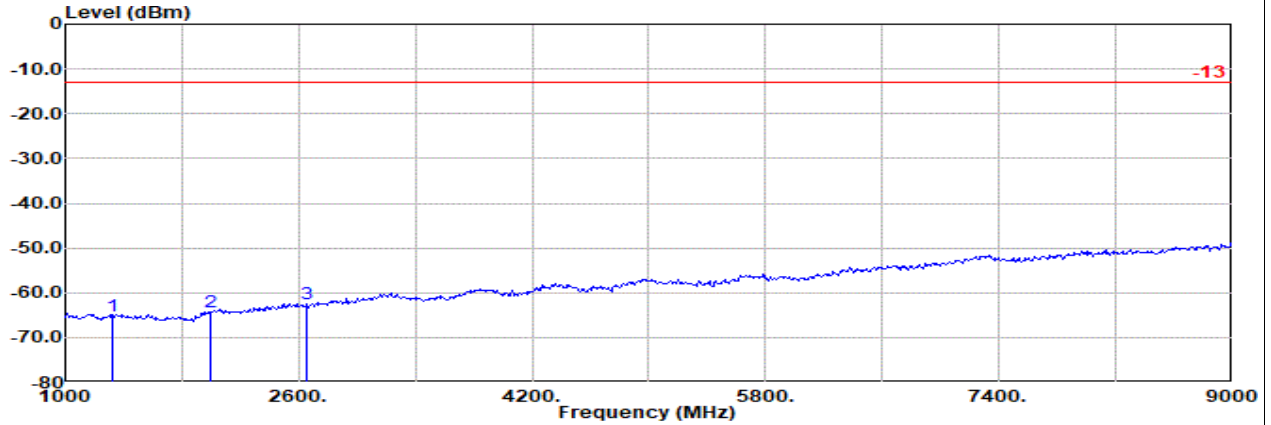


Airgain Antenna 0

Part 27N Mode 39

LTE B71 20M Ch133222 1RB0 QPSK

L

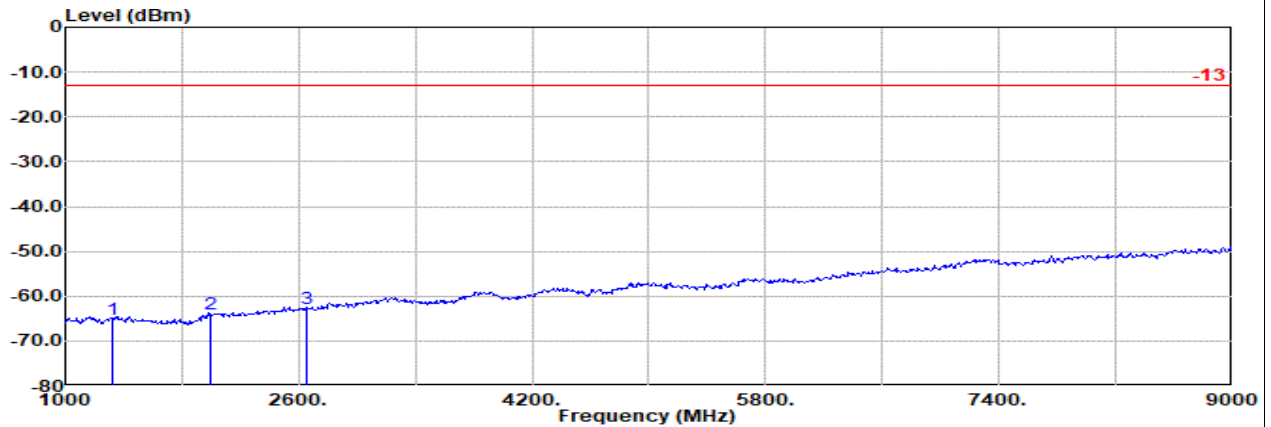


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1328.00	-65.25	RMS	25.81	-32.90	0.68	-95.23	36.39	-13.00	-52.25	Horizontal
2	1992.00	-64.40	RMS	26.74	-31.80	0.06	-95.23	35.83	-13.00	-51.40	Horizontal
3	2656.00	-62.34	RMS	28.21	-30.85	0.21	-95.23	35.32	-13.00	-49.34	Horizontal

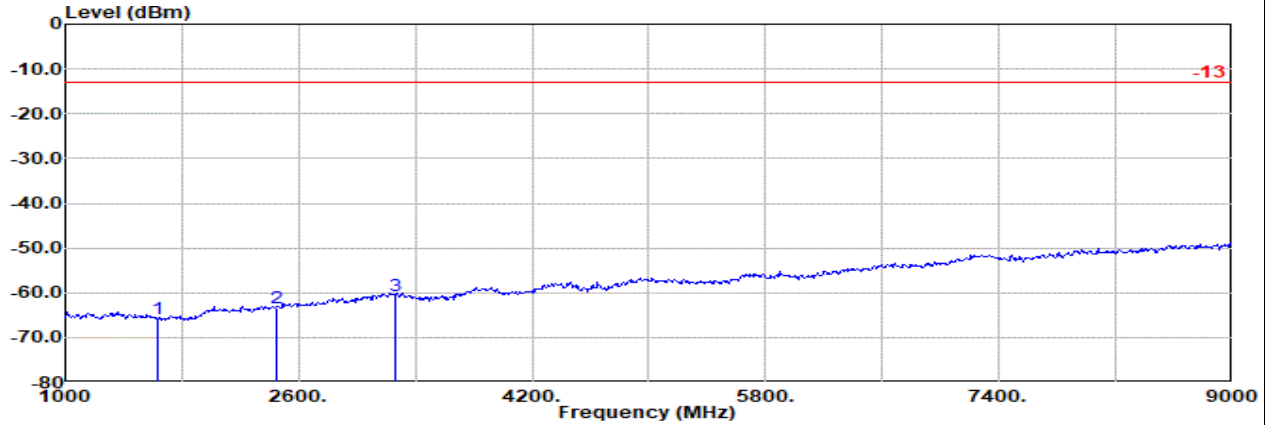


Site : 03CH15-HY

Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical

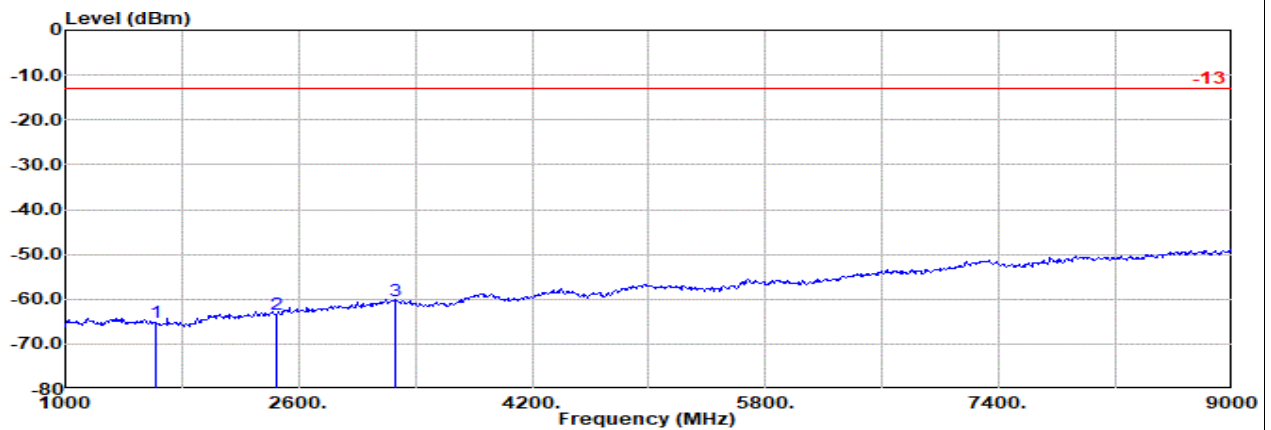
: LTE Band 71 20M Ch133222 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1328.00	-65.19	RMS	25.81	-32.90	0.68	-95.23	36.45	-13.00	-52.19	Vertical
2	1992.00	-64.08	RMS	26.74	-31.80	0.06	-95.23	36.15	-13.00	-51.08	Vertical
3	2656.00	-62.83	RMS	28.21	-30.85	0.21	-95.23	34.83	-13.00	-49.83	Vertical

Taoglas Antenna 0
Part 90S Mode 1
LTE B26 5M Ch26715 1RB0 QPSK
L


Site : 03CH15-HY
 Condition: -13 3m BBHA 9120 D_9120D-02294 Horizontal
 : LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1628.00	-65.84	RMS	25.43	-32.37	0.37	-95.23	35.96	-13.00	-52.84	Horizontal
2	2443.00	-63.47	RMS	27.57	-31.16	0.22	-95.23	35.13	-13.00	-50.47	Horizontal
3	3256.00	-60.64	RMS	29.69	-30.25	0.27	-95.23	34.88	-13.00	-47.64	Horizontal



Site : 03CH15-HY
 Condition: -13 3m BBHA 9120 D_9120D-02294 Vertical
 : LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1624.00	-65.23	RMS	25.46	-32.38	0.38	-95.23	36.54	-13.00	-52.23	Vertical
2	2443.00	-63.39	RMS	27.57	-31.16	0.22	-95.23	35.21	-13.00	-50.39	Vertical
3	3257.00	-60.38	RMS	29.69	-30.25	0.27	-95.23	35.14	-13.00	-47.38	Vertical

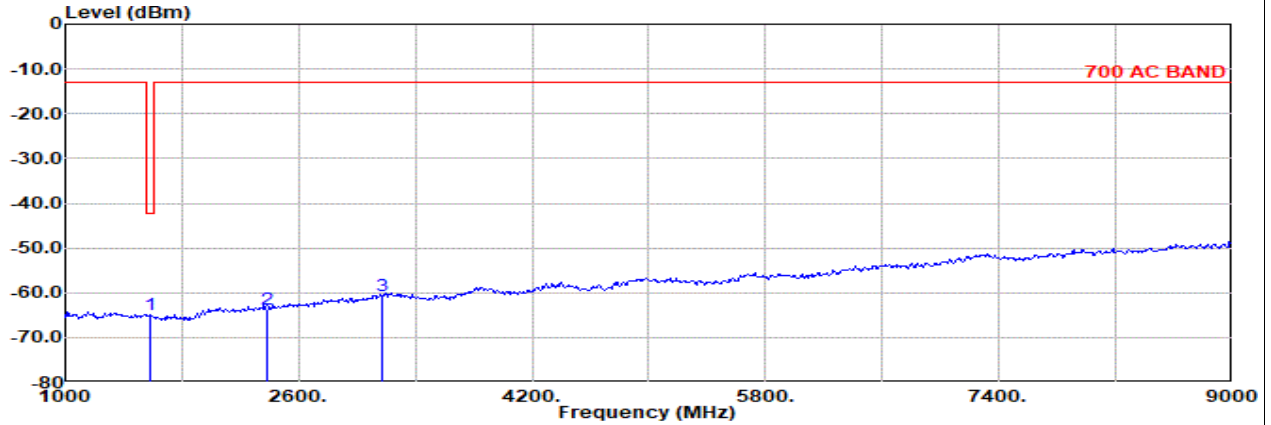


Taoglas Antenna 0

Part 90R Mode 1

LTE B14 5M Ch23335 1RB0 QPSK

H

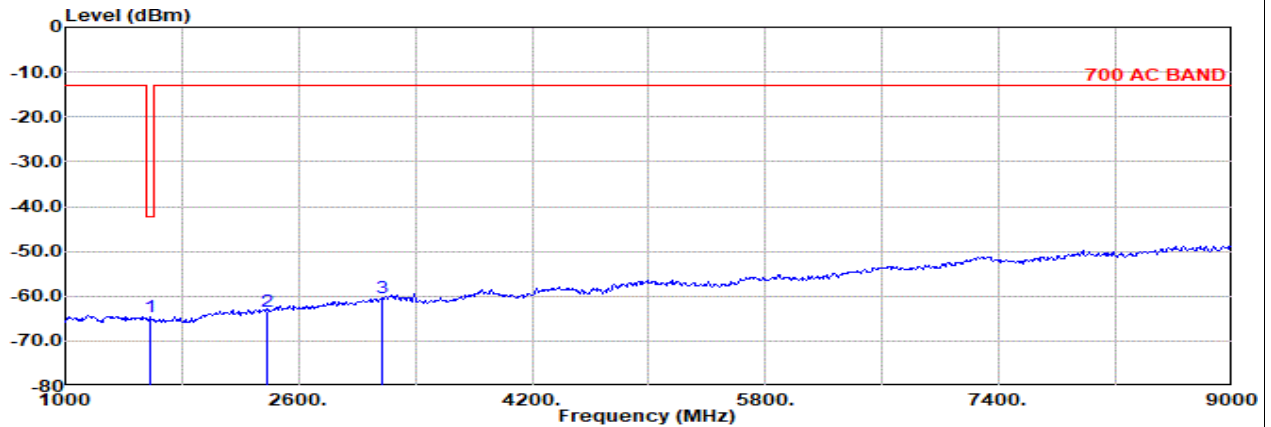


Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Horizontal

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1586.00	-64.87	RMS	25.60	-32.44	0.42	-95.23	36.78	-42.15	-22.72	Horizontal
2	2380.00	-63.64	RMS	27.36	-31.26	0.23	-95.23	35.26	-13.00	-50.64	Horizontal
3	3176.00	-60.83	RMS	29.70	-30.32	0.28	-95.23	34.74	-13.00	-47.83	Horizontal



Site : 03CH15-HY

Condition: 700 AC BAND 3m BBHA 9120 D_9120D-02294 Vertical

: LTE Band 14 5M Ch23335 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1584.00	-64.52	RMS	25.60	-32.45	0.42	-95.23	37.14	-42.15	-22.37	Vertical
2	2380.00	-63.37	RMS	27.36	-31.26	0.23	-95.23	35.53	-13.00	-50.37	Vertical
3	3173.00	-60.52	RMS	29.70	-30.33	0.27	-95.23	35.07	-13.00	-47.52	Vertical

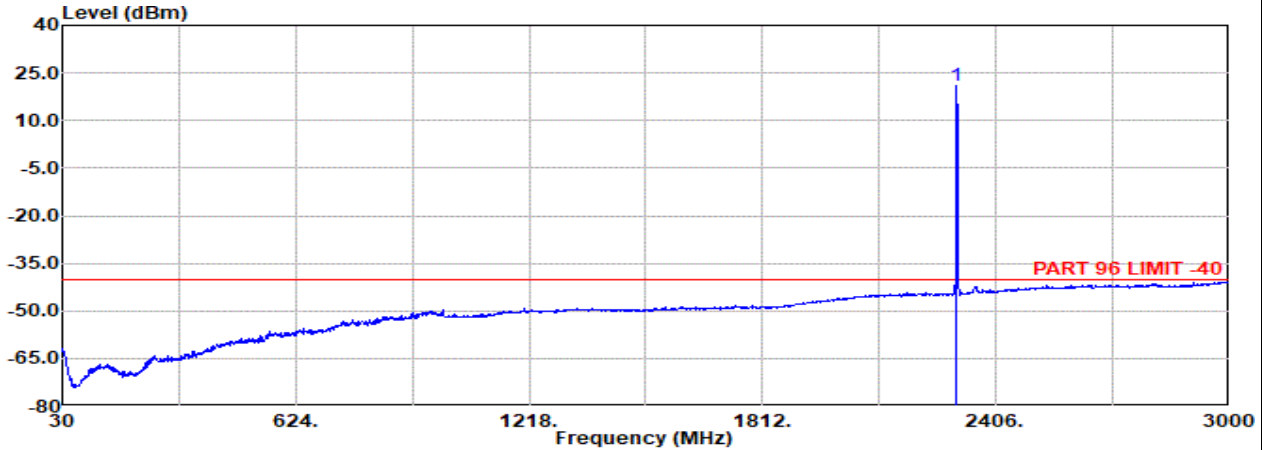


Airgain Antenna 0

Part 27D Mode 21

LTE B30 5M Ch27685 1RB1 QPSK

L

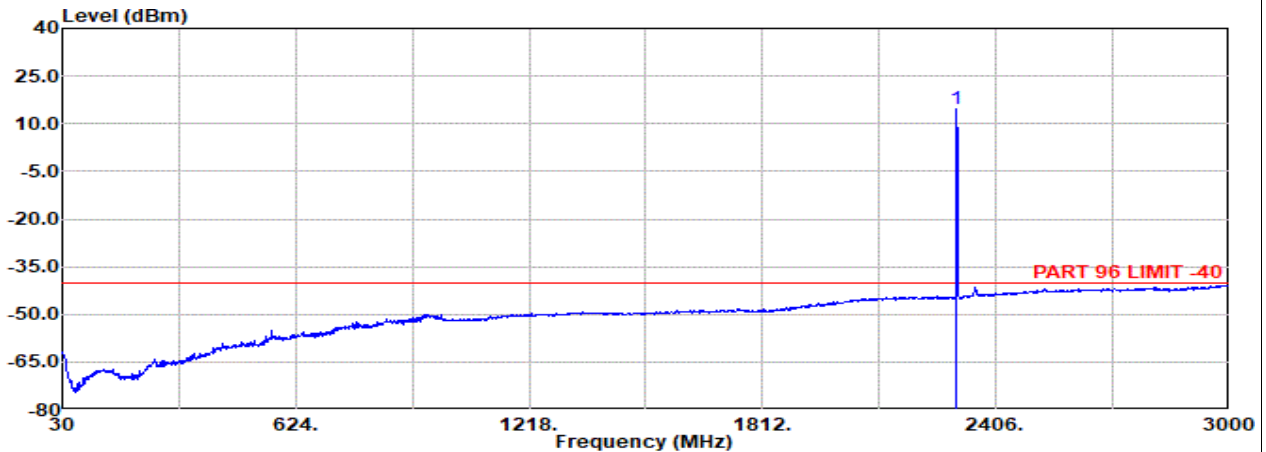


Site : 03CH15-HY

Condition: PART 96 LIMIT -40 3m BBHA 9120 D_9120D-02294 Horizontal

Mode : LTE Band 30 5M Ch27685 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	2306.00	21.19	RMS	27.12	5.54	0.00	-95.23	0.00	-40.00	61.19 Horizontal



Site : 03CH15-HY

Condition: PART 96 LIMIT -40 3m BBHA 9120 D_9120D-02294 Vertical

Mode : LTE Band 30 5M Ch27685 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	2306.00	14.67	RMS	27.12	5.54	0.00	-95.23	77.24	-40.00	54.67 Vertical

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