



FCC RADIO TEST REPORT

FCC ID : IHDT56AX5
Equipment : Mobile Cellular Phone
Brand Name : Motorola
Model Name : XT2651V
Applicant : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Manufacturer : Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Jun. 16, 2026 and testing was performed from Jun. 23, 2026 to Jul. 30, 2026. We, Sporton International Inc. Wensan 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 report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	6
1.1 Product Feature of Equipment Under Test.....	6
1.2 Modification of EUT	6
1.3 Testing Location	7
1.4 Applicable Standards.....	7
2 Test Configuration of Equipment Under Test	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System.....	9
2.3 Support Unit used in test configuration and system	9
2.4 Frequency List of Low/Middle/High Channels	10
3 Conducted Test Items	21
3.1 Measuring Instruments	21
3.2 Conducted Output Power and ERP/EIRP	22
3.3 Peak-to-Average Ratio	23
3.4 Occupied Bandwidth.....	24
3.5 Conducted Band Edge	25
3.6 Emission Mask.....	28
3.7 Conducted Spurious Emission	30
3.8 Frequency Stability	31
4 Radiated Test Items	32
4.1 Measuring Instruments	32
4.2 Radiated Spurious Emission Measurement	34
5 List of Measuring Equipment.....	36
6 Measurement Uncertainty	37
Appendix A. Test Results of Radiated Test	
Appendix B. Spot Check Evaluation on IHDT56AX5	
Appendix C. Original Report	



History of this test report

Report No.	Version	Description	Issue Date
FG660814C	01	Initial issue of report	Aug. 05, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	Note
	§22.913 (a)(5) §90.635	Effective Radiated Power (n5) (n26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n7) (n38) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (k)(3) §27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77) (n78)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
3.3	§24.232 (d) §27.50 (d)(5) §27.50 (j)(4)	Peak-to-Average Ratio	Pass	Note
3.4	§2.1049	Occupied Bandwidth	Pass	Note
3.5	§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 5) (Band 12) (Band 13) (Band 26) (Band 66) (Band 71)	Pass	Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n7) (n38) (n41)		
	§2.1051 §27.53 (n)(2) §27.53 (l)(2)	Conducted Band Edge Measurement (n77) (n78)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
3.6	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Pass	Note
	§90.691	Emission masks (Band 26)		
3.7	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious (Band 2) (Band 5) (Band 12) (Band 13) (Band 26) (Band 66) (Band 71)	Pass	Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n7) (n38) (n41)		
	§2.1051 §27.53 (l)(2)	Conducted Spurious Emission (n77) (n78)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.7	§2.1051 §90.543 (e)(2)	Conducted Spurious Emission (Band 14)	Pass	Note
3.8	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	Note
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (Band 2) (Band 5) (Band 12) (Band 13) (Band 26) (Band 66) (Band 71)	Pass	Note
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (n7) (n38) (n41)		
	§2.1053 §27.53 (l)(2)	Radiated Spurious Emission (n77) (n78)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Note:

- The differences between the parent device (FCC ID: IHDT56AW3) and the variant device (FCC ID: IHDT56AX5) are detailed in the ECR document.
- Radiated spurious emission measurements were performed as specified in the ECR document. Detailed results are provided in Appendix A.
- All conducted test results were referenced from FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O). In accordance with FCC KDB 484596 D01 Referencing Test Data v03, Conducted power spot-check measurements were performed on the variant device. The spot-check results demonstrate comparable RF performance between the parent and variant devices and support the validity of the referenced conducted test data. Detailed results are provided in Appendix B.
- The referenced data, FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O) are not covered by TAF accreditation and are not considered TAF-accredited results.

Conformity Assessment Condition:

- 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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 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: Yuri Huang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11a/be, GNSS, NFC,WPT and UWB.
Antenna Type subject to this standard	WWAN: IFA/Loop/PIFA Antenna

Support band and evaluated information		
Supported band	Ant 0/1	N5,N26,N12,N13,N14
	Ant 3/2/4/0	N7,N38,N41
	Ant 3/2	N2,N25,N66,N71
	Ant 8/4/2/6	N77,N78
Band covered information	RSE frequency band range covers another band when the power is worse as follows: ■ n26 cover n5 (Part 22), n41 cover n38 (Part 27), n77 cover n78 (Part 27)	

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

EUT Information List	
IMEI	Performed Test Item
352595240018419 352595240018427	Radiated Spurious Emission

Specification of Accessory				
Battery 1	Brand Name	Motorola	Model Name	SH29
Battery 2	Brand Name	Motorola	Model Name	SH31
USB Cable 1	Brand Name	Motorola(SAIBAO)	Model Name	SC18D86731
USB Cable 2	Brand Name	Motorola(Luxshare)	Model Name	SC18E08103

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010 TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH21-HY
Test Engineer	Jack Cheng, Ray Lung
Temperature (°C)	18~26
Relative Humidity (%)	50~70

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

FCC Designation No.: TW3786

1.4 Applicable Standards

According to the specifications declared by 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.
- ♦ FCC KDB 484596 D01 Referencing Test Data v03

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..

The detailed test modes associated with the referenced data are provided in the referenced reports.

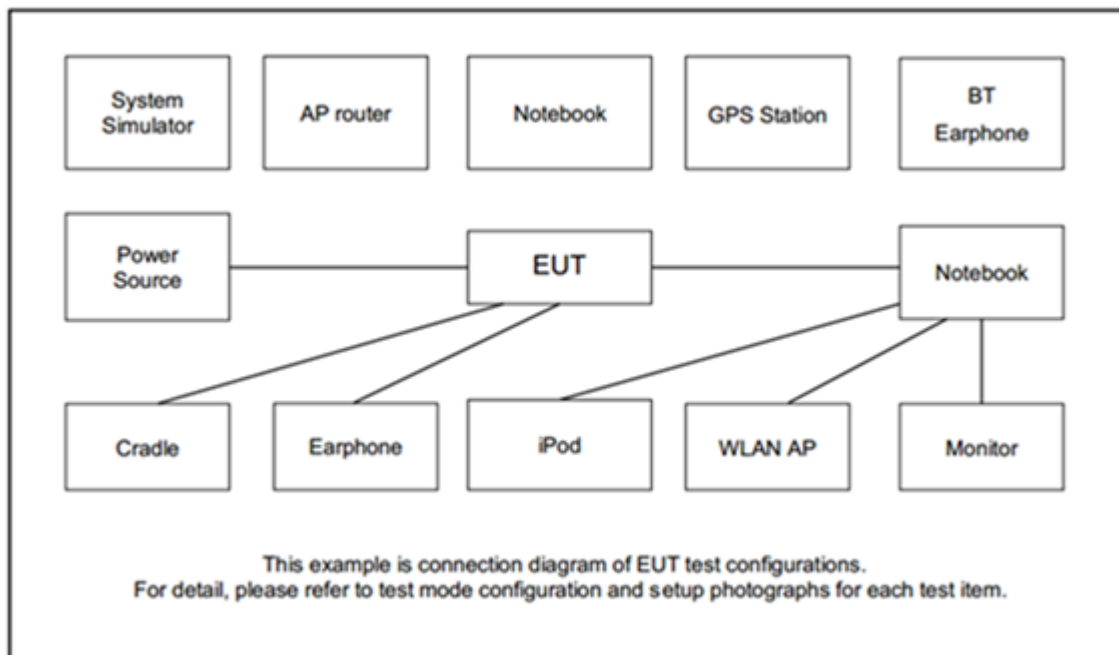
In this report, the conducted output power was measured and compared with the referenced report to confirm consistency. Since the verification results met the acceptance criteria, please refer to the referenced report for the remaining conducted-related test results.

Radiated spurious emission measurements were performed as specified in the ECR document, and the detailed radiated test modes and test results are shown in Appendix A.

Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM PI/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
RSE	A	100 MHz or less	Inner_1RB	M

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376000	378000
	Frequency	1870	1880	1890
30	Channel	373000	376000	379000
	Frequency	1865	1880	1895
25	Channel	372500	376000	379500
	Frequency	1862.5	1880	1897.5
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5



5G NR n7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Channel	505000	507000	509000
	Frequency	2525	2535	2545
40	Channel	504000	507000	510000
	Frequency	2520	2535	2550
30	Channel	503000	507000	511000
	Frequency	2515	2535	2555
25	Channel	502500	507000	511500
	Frequency	2512.5	2535	2557.5
20	Channel	502000	507000	512000
	Frequency	2510	2535	2560
15	Channel	501500	507000	512500
	Frequency	2507.5	2535	2562.5
10	Channel	501000	507000	513000
	Frequency	2505	2535	2565
5	Channel	500500	507000	513500
	Frequency	2502.5	2535	2567.5

5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5

5G NR n13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	156400	-
	Frequency	-	782	-
5	Channel	155900	156400	156900
	Frequency	779.5	782	784.5



5G NR n14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	158600	-
	Frequency	-	793	-
5	Channel	158100	158600	159100
	Frequency	790.5	793	795.5

5G NR n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	374000	376500	379000
	Frequency	1870	1882.5	1895
35	Channel	373500	376500	379500
	Frequency	1867.5	1882.5	1897.5
30	Channel	373000	376500	380000
	Frequency	1865	1882.5	1900
25	Channel	372500	376500	380500
	Frequency	1862.5	1882.5	1902.5
20	Channel	372000	376500	381000
	Frequency	1860	1882.5	1905
15	Channel	371500	376500	381500
	Frequency	1857.5	1882.5	1907.5
10	Channel	371000	376500	382000
	Frequency	1855	1882.5	1910
5	Channel	370500	376500	382500
	Frequency	1852.5	1882.5	1912.5



5G NR n26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n26 Channel and Frequency List (Part90S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	163800	-
	Frequency	-	819	-
5	Channel	163300	163800	164300
	Frequency	816.5	819	821.5

5G NR n26 Straddle Channel and Frequency List (Part 90S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	-	164800	-
	Frequency	-	824	-
15	Channel	-	164800	-
	Frequency	-	824	-
10	Channel	-	164800	-
	Frequency	-	824	-
5	Channel	-	164800	-
	Frequency	-	824	-



5G NR n38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	518000	519000	520000
	Frequency	2590	2595	2600
30	Channel	517000	519000	521000
	Frequency	2585	2595	2605
25	Channel	516500	519000	521500
	Frequency	2582.5	2595	2607.5
20	Channel	516000	519000	522000
	Frequency	2580	2595	2610
15	Channel	515500	519000	522500
	Frequency	2577.5	2595	2612.5
10	Channel	515000	519000	523000
	Frequency	2575	2595	2615



5G NR n41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	509202	518598	528000
	Frequency	2546.01	2592.99	2640
90	Channel	508200	518598	528996
	Frequency	2541	2592.99	2644.98
80	Channel	507204	518598	529998
	Frequency	2536.02	2592.99	2649.99
70	Channel	506202	518598	531000
	Frequency	2531.01	2592.99	2655
60	Channel	505200	518598	531996
	Frequency	2526	2592.99	2659.98
50	Channel	504204	518598	532998
	Frequency	2521.02	2592.99	2664.99
40	Channel	503202	518598	534000
	Frequency	2516.01	2592.99	2670
30	Channel	502200	518598	534996
	Frequency	2511	2592.99	2674.98
20	Channel	501204	518598	535998
	Frequency	2506.02	2592.99	2679.99
15	Channel	500700	518598	536496
	Frequency	2503.5	2592.99	2682.48
10	Channel	500202	518598	537000
	Frequency	2501.01	2592.99	2685



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
35	Channel	345500	349000	352500
	Frequency	1727.5	1745	1762.5
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5



5G NR Band n77 (Part27O) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3965
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975



5G NR n78 (Part270) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	650000	-
	Frequency	-	3750	-
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	6750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795



5G NR Band n77 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98



5G NR n78 (Part27Q) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	-	633334	-
	Frequency	-	3500.01	-
90	Channel	633000	633334	633666
	Frequency	3495	3500.01	3504.99
80	Channel	632668	633334	634000
	Frequency	3490.02	3500.01	3510
70	Channel	632334	633334	634332
	Frequency	3485.01	3500.01	3514.98
60	Channel	632000	633334	634666
	Frequency	3480	3500.01	3519.99
50	Channel	631668	633334	635000
	Frequency	3475.02	3500.01	3525
40	Channel	631334	633334	635332
	Frequency	3470.01	3500.01	3529.98
30	Channel	631000	633334	635666
	Frequency	3465	3500.01	3534.99
20	Channel	630668	633334	636000
	Frequency	3460.02	3500.01	3540
15	Channel	630500	633334	636166
	Frequency	3457.5	3500.01	3542.49
10	Channel	630334	633334	636332
	Frequency	3455.01	3500.01	3544.98

3 Conducted Test Items

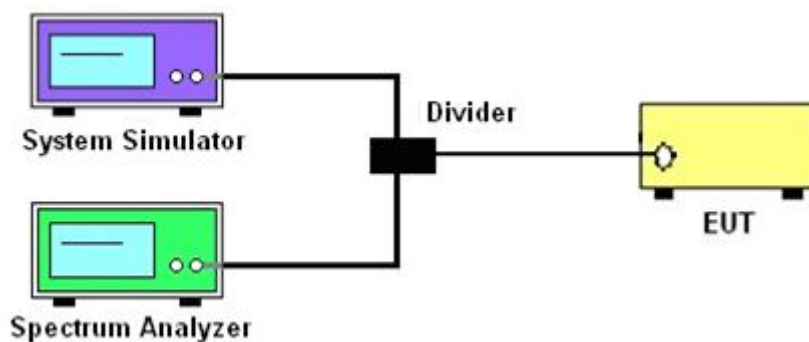
3.1 Measuring Instruments

See list of measuring instruments of this test report.

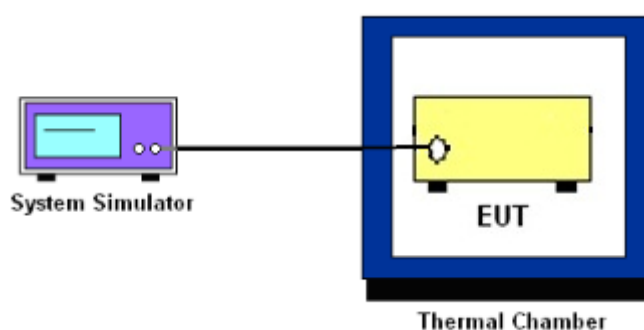
3.1.1 Conducted Output Power



3.1.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge, Emission Mask and Conducted Spurious Emission



3.1.3 Frequency Stability



3.1.4 Test Result of Conducted Test

Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O).

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 5G NR n5, n26 (Part 22H)

The power of mobile transmitters must not exceed 100 Watts for 5G NR n26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n12, n13, n14, n71

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2, n25, n7, n38, n41

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66, n77, n78

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.



3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.



3.4 Occupied Bandwidth

3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, $P(\text{dBW})$, by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

**27.53(m)(4)**

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53 (l)(2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

90.543(e)

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.



3.6 Emission Mask

3.6.1 Description of Emissions Mask Measurement

For LTE Band 14

Transmitters designed must meet the emission mask comply with the emission mask provisions of FCC Part 90.210(n).

For LTE Band 26

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.



3.6.2 Test Procedures

For LTE Band 14

The testing follows FCC KDB 971168 D01 v03r01 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The power of the modulated signal was measured on a spectrum analyzer using an RMS and 10 second sweep time in order to maximize the level.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

For LTE Band 26

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. Set RBW and VBW 3 times of RBW to make the measurement with the spectrum analyzer's, and according to KDB 971168 D02 Misc Rev Approve License Devices v02r01 standards, set RBW = 300 Hz to make offsets less than 37.5 kHz from a channel edge , RBW = 100 kHz to make offsets greater than 37.5 kHz, that is allowed.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

3.7 Conducted Spurious Emission

3.7.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For 5G NR n7, n38, n41

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.7.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



3.8 Frequency Stability

3.8.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

§90.213

The frequency stability shall be sufficient to ensure that the fundamental emissions remain within the authorized frequency block. The frequency stability shall be maintained within the applicable frequency tolerance specified in §90.213.

3.8.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

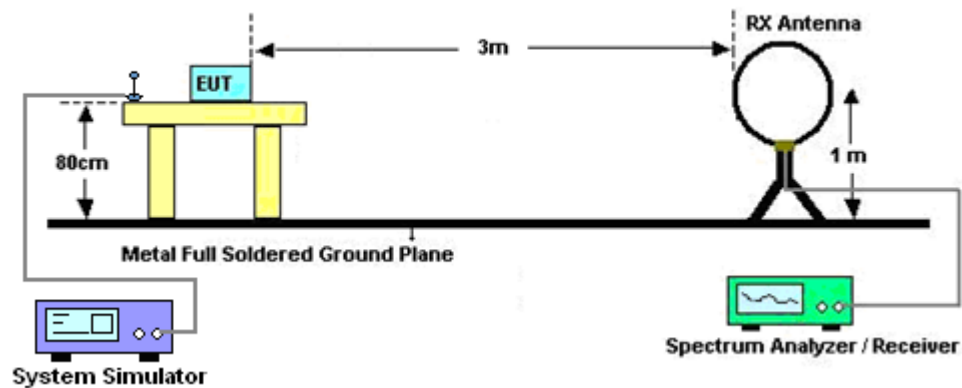
4 Radiated Test Items

4.1 Measuring Instruments

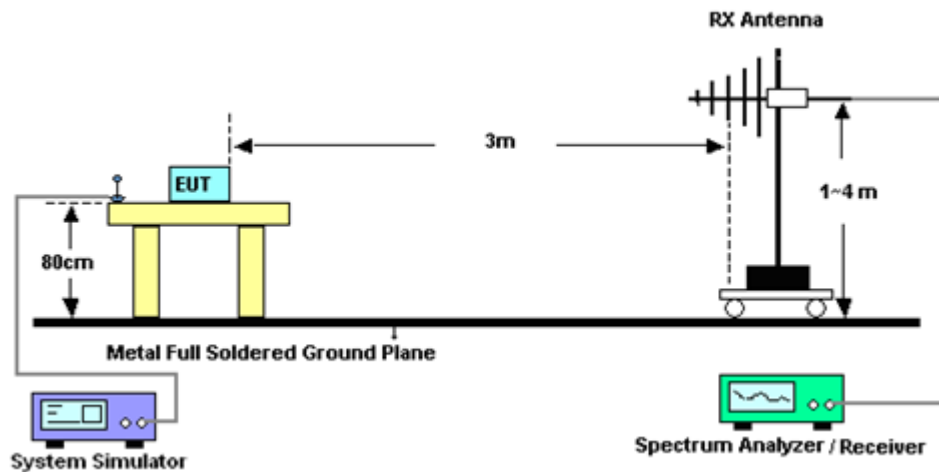
See list of measuring instruments of this test report.

4.1.1 Test Setup

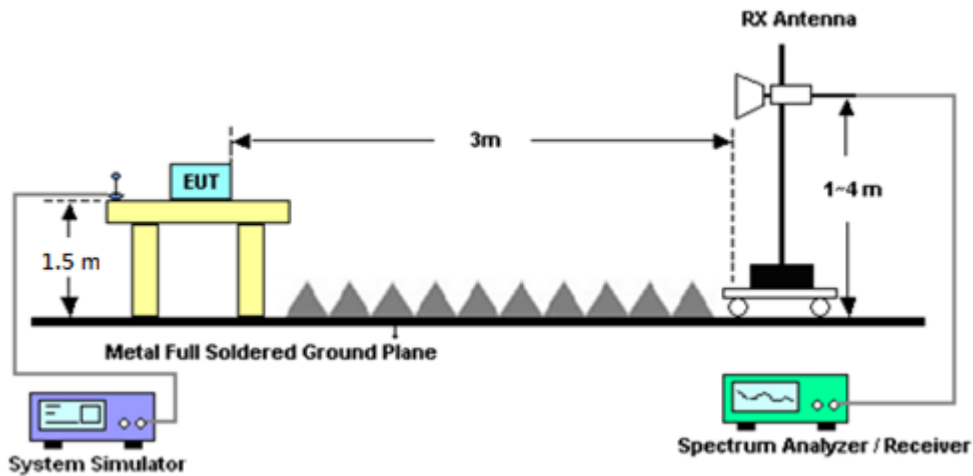
For radiated test below 30MHz



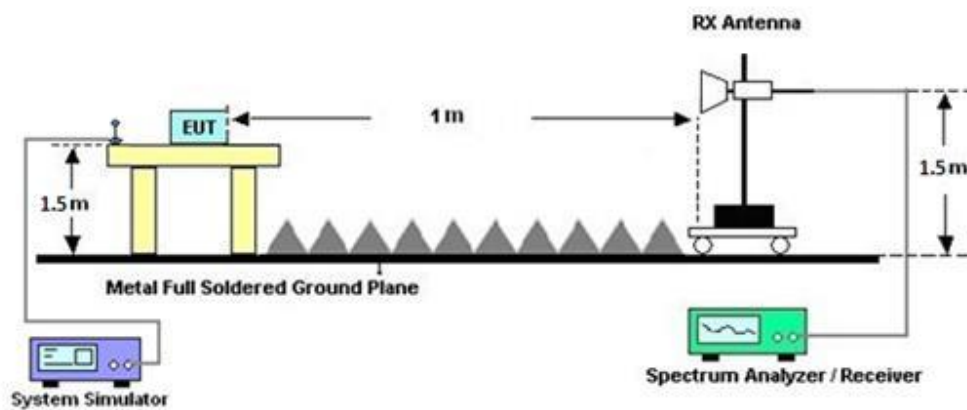
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix A.

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. 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 5G NR n7, n38, n41

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.

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

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.



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.
$$\text{Field Strength Level (dBm)} = \text{Spectrum Reading (dBm)} + \text{Antenna Factor} + \text{Cable Loss} + \text{Read Level} - \text{Preamplifier Factor}.$$
8.
$$\text{ERP (dBm)} = \text{EIRP (dBm)} - 2.15$$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 16, 2026	Jun. 23, 2026 ~ Jul. 30, 2026	Mar. 15, 2027	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Nov. 26, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Nov. 25, 2026	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03 A18EN	1GHz~18GHz	Aug. 07, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Aug. 06, 2026	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBEC K	BBHA 9170	1450	18GHz~40GHz	May. 28, 2026	Jun. 23, 2026 ~ Jul. 30, 2026	May. 27, 2027	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 13, 2025	Jun. 23, 2026 ~ Jul. 11, 2026	Jul. 12, 2026	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	371607	30MHz~1GHz	Jun. 29, 2026	Jul. 12, 2026 ~ Jul. 30, 2026	Jun. 28, 2027	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 26, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Sep. 25, 2026	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Aug. 25, 2026	Radiation (03CH21-HY)
EXA Signal Analyzer	Keysight	N9010B	MY6217 0358	10Hz~44GHz	Sep. 09, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Sep. 08, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/ 2	9kHz~30MHz	Mar. 04, 2026	Jun. 23, 2026 ~ Jul. 30, 2026	Mar. 03, 2027	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/ 2,80461 2/2,803 954/2	30MHz~40GHz	Aug. 11, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Aug. 10, 2026	Radiation (03CH21-HY)
RF Cable	EMCI	EMC101Y-KM-KM -1000	240906	30MHz~40GHz	Oct. 21, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP2115 68	N/A	Oct. 21, 2025	Jun. 23, 2026 ~ Jul. 30, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 23, 2026 ~ Jul. 30, 2026	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jun. 23, 2026 ~ Jul. 30, 2026	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 23, 2026 ~ Jul. 30, 2026	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001 053	N/A	N/A	Jun. 23, 2026 ~ Jul. 30, 2026	N/A	Radiation (03CH21-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.4 dB
--	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.8 dB
--	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.3 dB
--	--------



Appendix A. Radiated Spurious Emission Test Data

Test Engineer :	Jack Cheng, Ray Lung	Temperature :	21.1 ~ 25.7°C
		Relative Humidity :	55.8 ~ 63.2%

A1.Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
46	NR SA n25	Part 24E	M	5594	-54.10	RMS	32.88	-21.84	1.52	-95.23	28.57	-13.00	-41.10	H	3
47	NR SA n25 MIMO	Part 24E	M	5594	-51.14	RMS	32.88	-20.36	1.52	-95.23	30.05	-13.00	-38.14	V	3+2
48	EN-DC B12+n25	Part 24E	M	7459	-54.85	RMS	36.78	-21.20	1.50	-95.23	23.30	-13.00	-41.85	H	1+3
17	NR SA n13	Part 27F	M	1556	-50.77	RMS	24.40	-25.22	1.05	-95.23	44.23	-13.00	-37.77	H	0
52	NR SA n66	Part 27L	M	5209	-51.49	RMS	32.48	-21.72	1.98	-95.23	31.00	-13.00	-38.49	H	3
53	NR SA n66 MIMO	Part 27L	M	5209	-55.24	RMS	32.48	-21.72	1.98	-95.23	27.25	-13.00	-42.24	H	3+2
54	EN-DC B12+n66	Part 27L	M	6900	-56.48	RMS	36.00	-21.57	1.45	-95.23	22.87	-13.00	-43.48	V	1+3
55	EN-DC B7+n66	Part 27L	M	6900	-56.10	RMS	36.00	-21.57	1.45	-95.23	23.25	-13.00	-43.10	H	3+2
60	NR SA n7	Part 27M	M	7538	-51.37	RMS	36.62	-21.18	1.57	-95.23	26.85	-25.00	-26.37	V	4
61	NR SA n41	Part 27M	M	7633	-50.99	RMS	36.60	-21.25	1.62	-95.23	27.27	-25.00	-25.99	H	3
62	NR CA n41C	Part 27M	M	7791	-36.49	RMS	36.60	-21.42	1.54	-95.23	42.02	-25.00	-11.49	H	4
63	EN-DC B5+n7	Part 27M	M	10051	-54.66	RMS	37.10	-21.57	1.66	-95.23	23.38	-25.00	-29.66	H	1+3
64	EN-DC B12+n41	Part 27M	M	10177	-53.90	RMS	37.25	-21.64	1.68	-95.23	24.04	-25.00	-28.90	V	1+3
65	NR SA n7 MIMO	Part 27M	M	7538	-47.53	RMS	36.62	-21.18	1.57	-95.23	30.69	-25.00	-22.53	H	3+0
66	NR SA n41 MIMO	Part 27M	M	7633	-36.60	RMS	36.60	-21.25	1.62	-95.23	41.66	-25.00	-11.60	V	4+0
71	NR SA n77	Part 27Q	M	13805	-26.83	RMS	40.40	-22.23	2.21	-95.23	48.02	-13.00	-13.83	H	2
72	NR SA n77	Part 27Q	M	13805	-25.76	RMS	40.40	-22.23	2.21	-95.23	49.09	-13.00	-12.76	H	4
73	NR SA n77 MIMO	Part 27Q	M	13805	-28.09	RMS	40.40	-22.23	2.21	-95.23	46.76	-13.00	-15.09	H	8+6
74	EN-DC B12+n77	Part 27Q	M	10354	-32.39	RMS	37.38	-21.75	1.77	-95.23	45.44	-13.00	-19.39	V	1+2
75	EN-DC B41+n77	Part 27Q	M	10354	-37.60	RMS	37.38	-21.75	1.77	-95.23	40.23	-13.00	-24.60	H	3+4
76	NR SA n77	Part 27O	M	15165	-30.91	RMS	41.10	-23.50	2.17	-95.23	44.55	-13.00	-17.91	V	2
77	NR SA n77	Part 27O	M	15165	-33.05	RMS	41.10	-23.50	2.17	-95.23	42.41	-13.00	-20.05	V	4
78	NR SA n77 MIMO	Part 27O	M	15165	-31.59	RMS	41.10	-23.50	2.17	-95.23	43.87	-13.00	-18.59	H	2+6



79	NR CA n77C	Part 27O	M	23038	-54.32	RMS	39.72	-32.44	-9.54	-95.23	43.17	-30.00	-24.32	H	8
80	NR CA n77C	Part 27O	M	11517	-37.33	RMS	38.50	-21.76	1.98	-95.23	39.18	-30.00	-7.33	H	4
81	EN-DC B12+n77	Part 27O	M	11374	-31.32	RMS	38.40	-21.74	1.96	-95.23	45.29	-13.00	-18.32	V	1+2
82	EN-DC B41+n77	Part 27O	M	22752	-37.68	RMS	39.51	-32.77	-9.54	-95.23	60.35	-13.00	-24.68	H	3+6

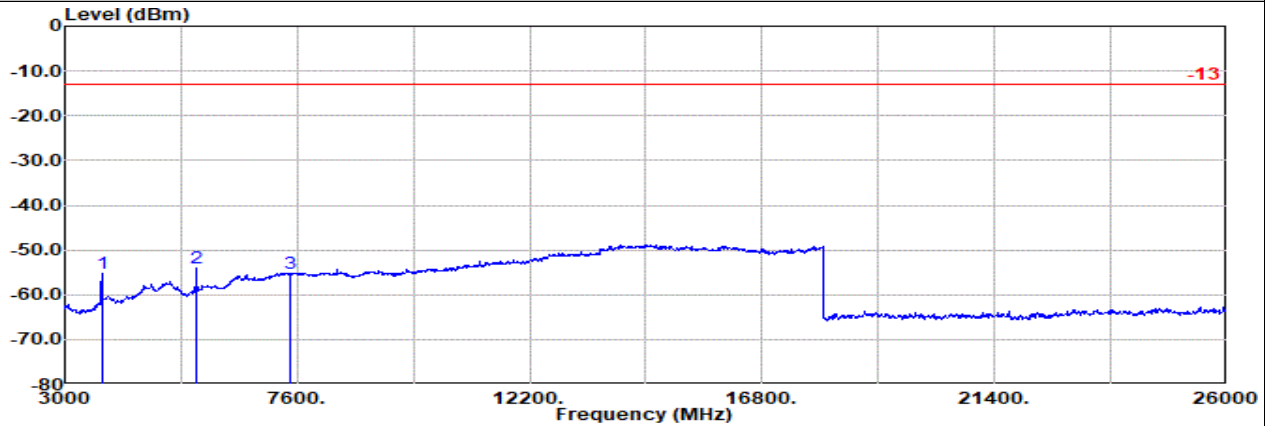


Ant. 3

Part 24E Mode 46

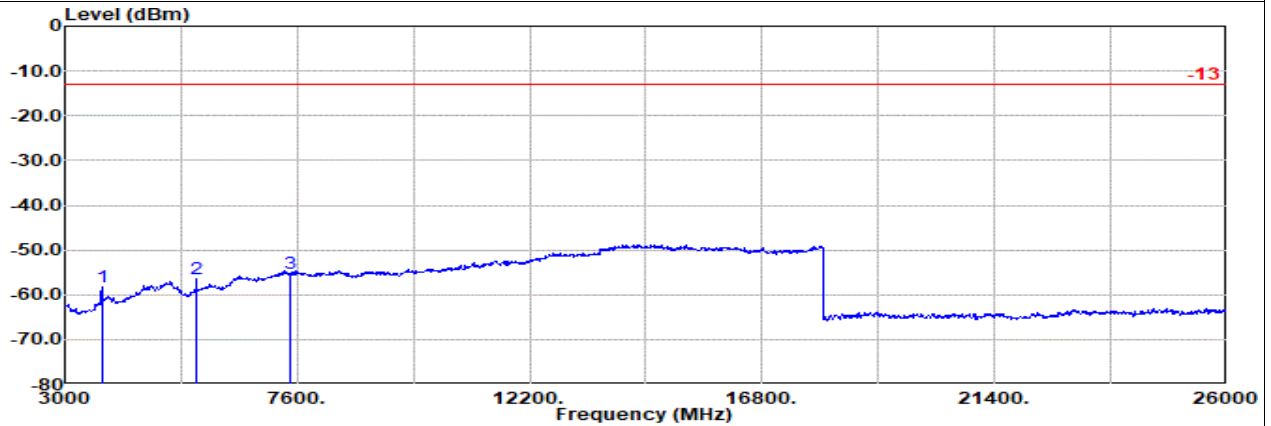
NR SA n25 40M Ch376500 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n25 40M Ch376500 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3730.00	-55.29 RMS	29.84	-23.68	1.68	-95.23	32.10	-13.00	-42.29	Horizontal
2	5594.00	-54.10 RMS	32.88	-21.84	1.52	-95.23	28.57	-13.00	-41.10	Horizontal
3	7459.00	-55.14 RMS	36.78	-21.20	1.50	-95.23	23.01	-13.00	-42.14	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n25 40M Ch376500 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	3730.00	-58.34 RMS	29.84	-23.68	1.68	-95.23	29.05	-13.00	-45.34	Vertical
2	5594.00	-56.35 RMS	32.88	-21.84	1.52	-95.23	26.32	-13.00	-43.35	Vertical
3	7459.00	-55.15 RMS	36.78	-21.20	1.50	-95.23	23.00	-13.00	-42.15	Vertical

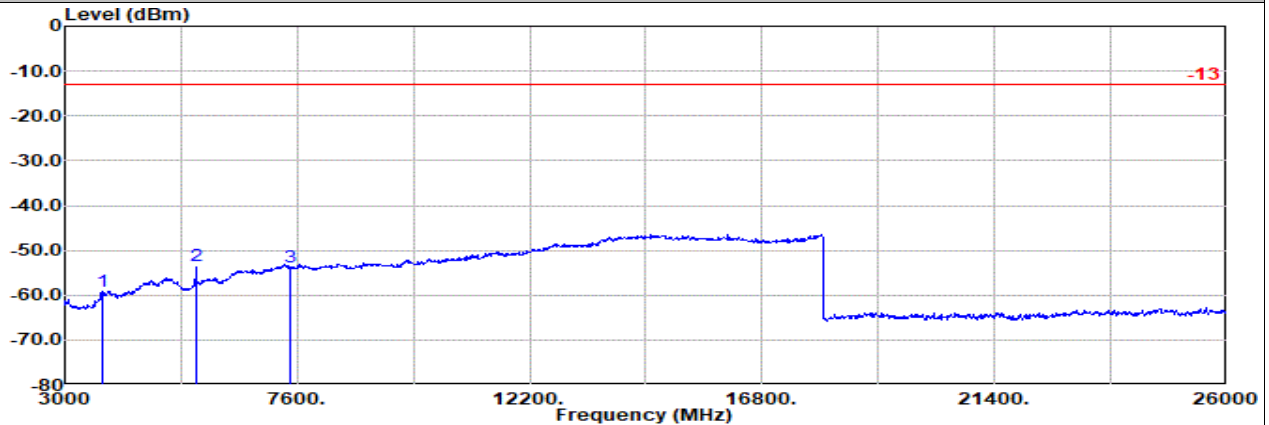


Ant. 3+2

Part 24E Mode 47

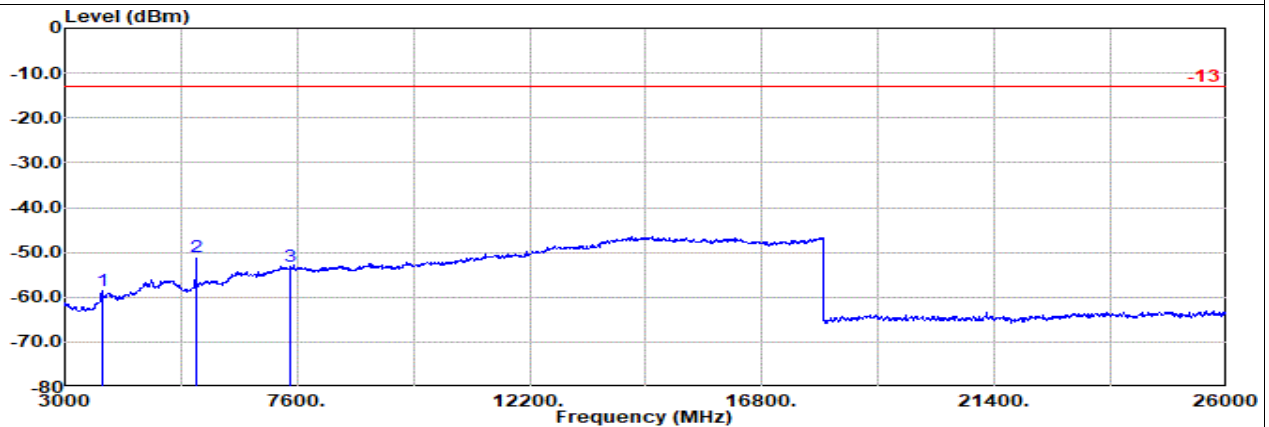
NR SA n25 MIMO 40M Ch376500 1RB1 QPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n25 40M Ch376500 1RB1 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit		Margin	Pol
				Factor	1				g			
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3730.00	-59.22	RMS		29.84	-22.56	1.68	-95.23	27.05	-13.00	-46.22	Horizontal
2	5594.00	-53.41	RMS		32.88	-20.36	1.52	-95.23	27.78	-13.00	-40.41	Horizontal
3	7459.00	-53.68	RMS		36.78	-19.53	1.50	-95.23	22.80	-13.00	-40.68	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n25 40M Ch376500 1RB1 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit		Margin	Pol
				Factor	1				g			
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3730.00	-58.44	RMS		29.84	-22.56	1.68	-95.23	27.83	-13.00	-45.44	Vertical
2	5594.00	-51.14	RMS		32.88	-20.36	1.52	-95.23	30.05	-13.00	-38.14	Vertical
3	7459.00	-53.06	RMS		36.78	-19.53	1.50	-95.23	23.42	-13.00	-40.06	Vertical

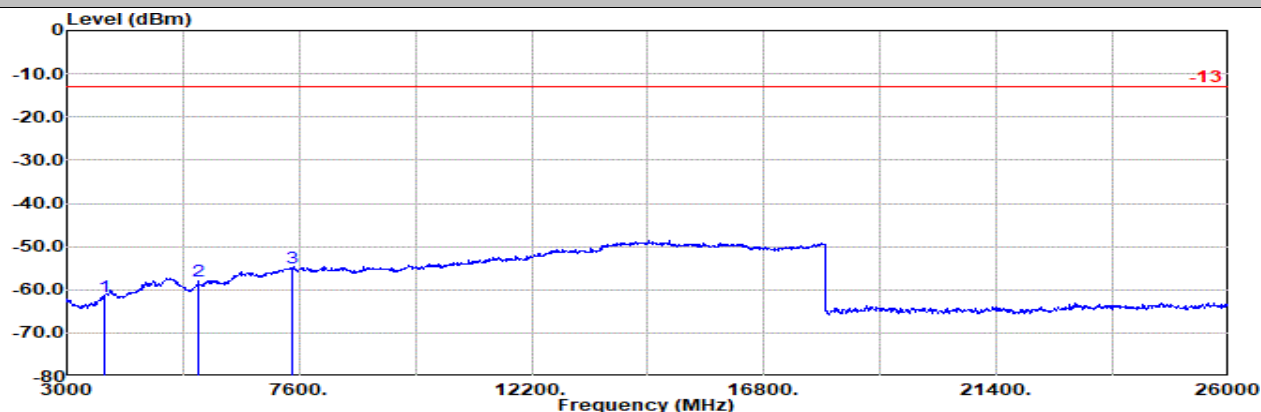


Ant. 1+3

Part 24E Mode 48

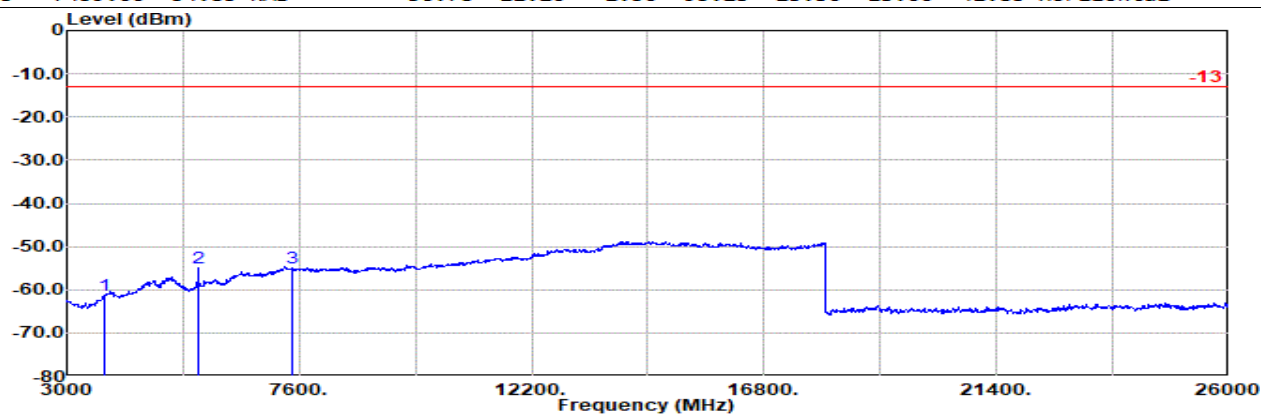
EN-DC B12+n25 10M + 40M Ch23095 1RB0 QPSK + Ch376500 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1450 Horizontal
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n25 40M Ch376500 1RB1 BPSK

	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	3730.00	-61.44	RMS	29.84	-23.68	1.68	-95.23	25.95	-13.00	-48.44 Horizontal
2	5594.00	-57.98	RMS	32.88	-21.84	1.52	-95.23	24.69	-13.00	-44.98 Horizontal
3	7459.00	-54.85	RMS	36.78	-21.20	1.50	-95.23	23.30	-13.00	-41.85 Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1450 Vertical
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n25 40M Ch376500 1RB1 BPSK

	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	3730.00	-61.38	RMS	29.84	-23.68	1.68	-95.23	26.01	-13.00	-48.38 Vertical
2	5594.00	-54.99	RMS	32.88	-21.84	1.52	-95.23	27.68	-13.00	-41.99 Vertical
3	7459.00	-55.08	RMS	36.78	-21.20	1.50	-95.23	23.07	-13.00	-42.08 Vertical

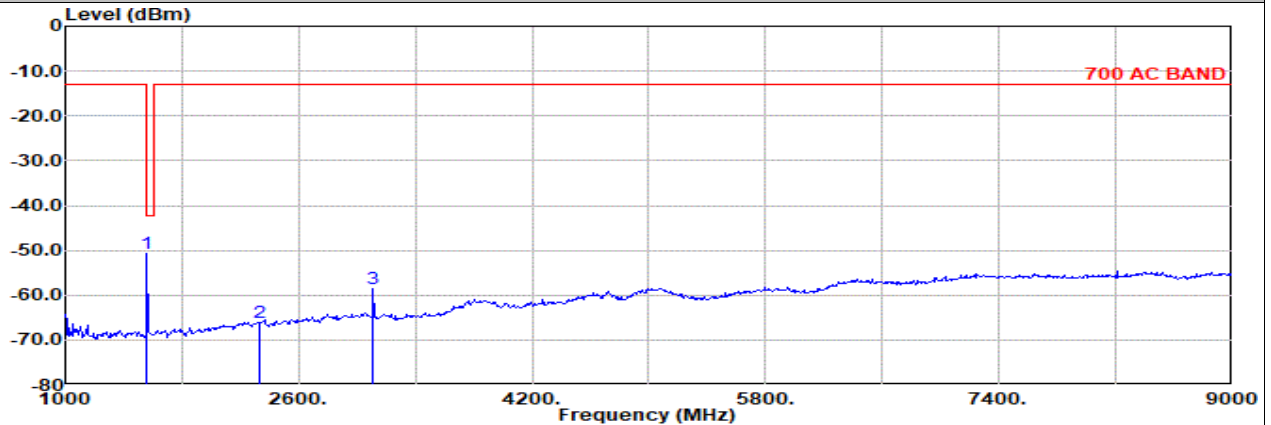


Ant. 0

Part 27F Mode 17

NR SA n13 10M Ch156400 1RB1 BPSK

M

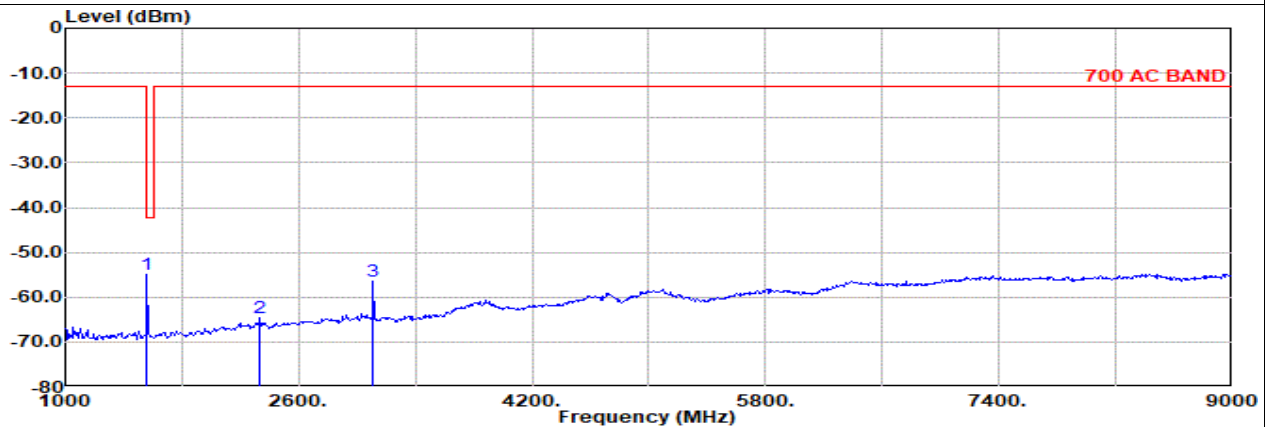


Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n13 10M Ch156400 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1556.00	-50.77	RMS	24.40	-25.22	1.05	-95.23	44.23	-13.00	-37.77 Horizontal
2	2333.00	-66.12	RMS	26.87	-24.40	0.91	-95.23	25.73	-13.00	-53.12 Horizontal
3	3111.00	-58.44	RMS	28.00	-23.69	0.98	-95.23	31.50	-13.00	-45.44 Horizontal



Site : 03CH21-HY

Condition: 700 AC BAND 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n13 10M Ch156400 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm								
1	1556.00	-54.82	RMS	24.40	-25.22	1.05	-95.23	40.18	-13.00	-41.82 Vertical
2	2333.00	-64.57	RMS	26.87	-24.40	0.91	-95.23	27.28	-13.00	-51.57 Vertical
3	3111.00	-56.54	RMS	28.00	-23.69	0.98	-95.23	33.40	-13.00	-43.54 Vertical

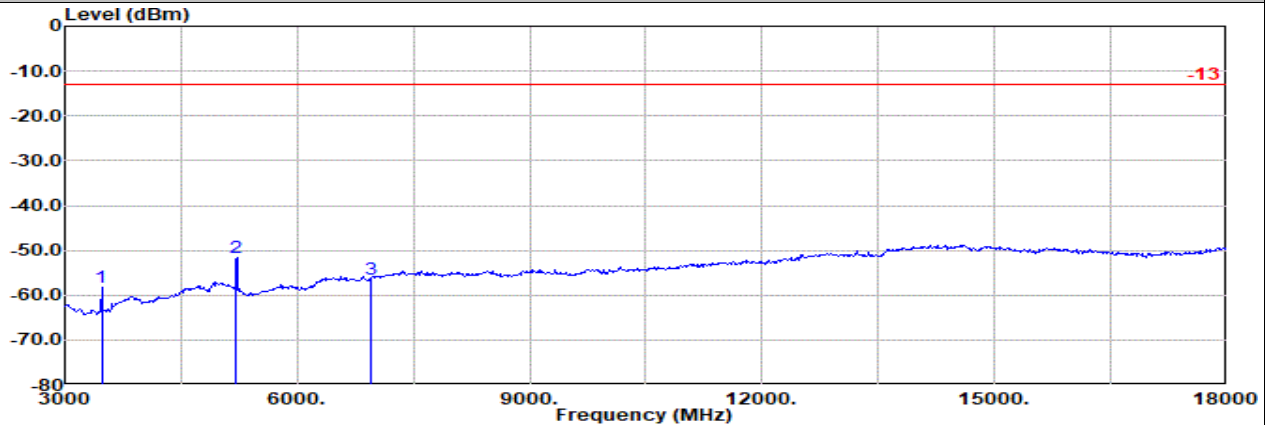


Ant. 3

Part 27L Mode 52

NR SA n66 20M Ch349000 1RB1 BPSK

M

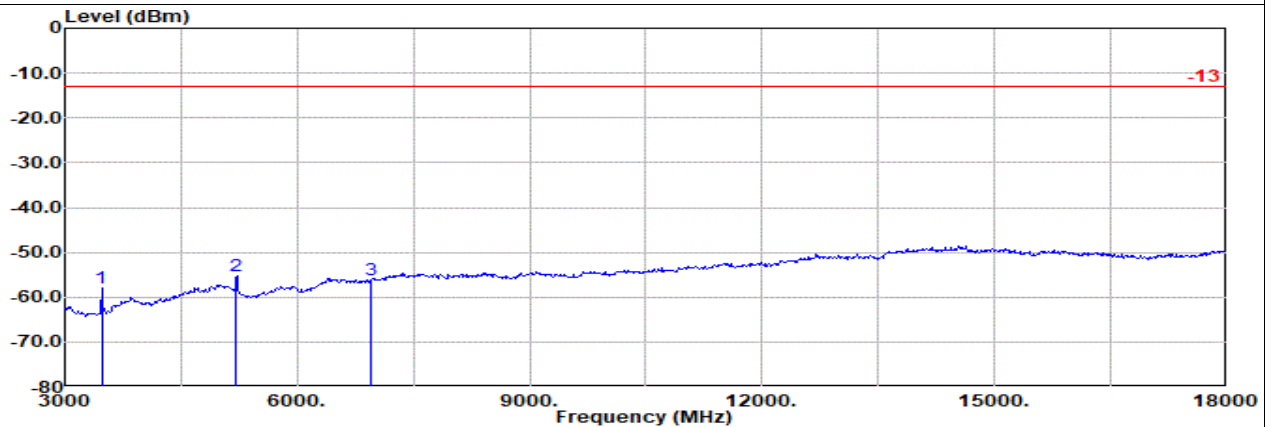


Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n66 20M Ch349000 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dBuV		dBm	dB		
1	3473.00	-58.37	RMS	28.54	-24.01	1.83	-95.23	30.50	-13.00	-45.37	Horizontal		
2	5209.00	-51.49	RMS	32.48	-21.72	1.98	-95.23	31.00	-13.00	-38.49	Horizontal		
3	6945.00	-56.37	RMS	36.09	-21.58	1.44	-95.23	22.91	-13.00	-43.37	Horizontal		



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n66 20M Ch349000 1RB1 BPSK

	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	3473.00	-58.06	RMS	28.54	-24.01	1.83	-95.23	30.81	-13.00	-45.06	Vertical
2	5209.00	-55.22	RMS	32.48	-21.72	1.98	-95.23	27.27	-13.00	-42.22	Vertical
3	6945.00	-56.21	RMS	36.09	-21.58	1.44	-95.23	23.07	-13.00	-43.21	Vertical

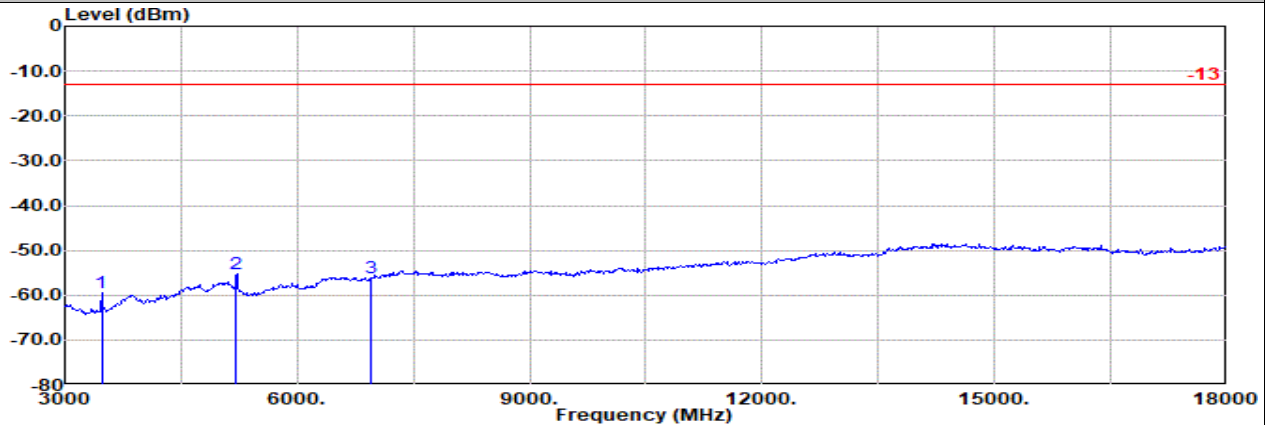


Ant. 3+2

Part 27L Mode 53

NR SA n66 MIMO 20M Ch349000 1RB1 QPSK

M

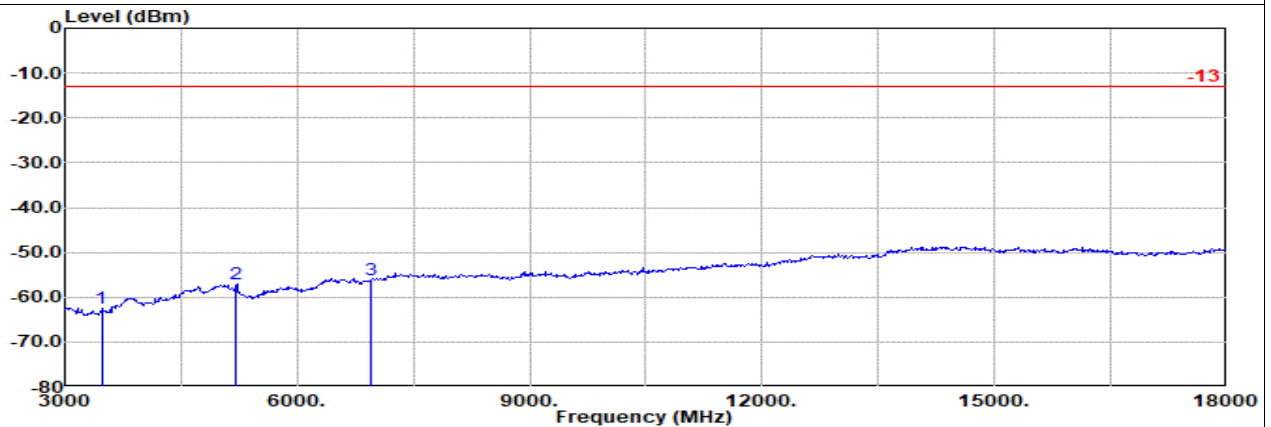


Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: SA n66 20M Ch349000 1RB1 BPSK

	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	3473.00	-59.38	RMS	28.54	-24.01	1.83	-95.23	29.49	-13.00	-46.38	Horizontal			
2	5209.00	-55.24	RMS	32.48	-21.72	1.98	-95.23	27.25	-13.00	-42.24	Horizontal			
3	6945.00	-56.19	RMS	36.09	-21.58	1.44	-95.23	23.09	-13.00	-43.19	Horizontal			



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: SA n66 20M Ch349000 1RB1 BPSK

	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	3473.00	-62.48	RMS	28.54	-24.01	1.83	-95.23	26.39	-13.00	-49.48	Vertical			
2	5209.00	-57.05	RMS	32.48	-21.72	1.98	-95.23	25.44	-13.00	-44.05	Vertical			
3	6945.00	-56.26	RMS	36.09	-21.58	1.44	-95.23	23.02	-13.00	-43.26	Vertical			

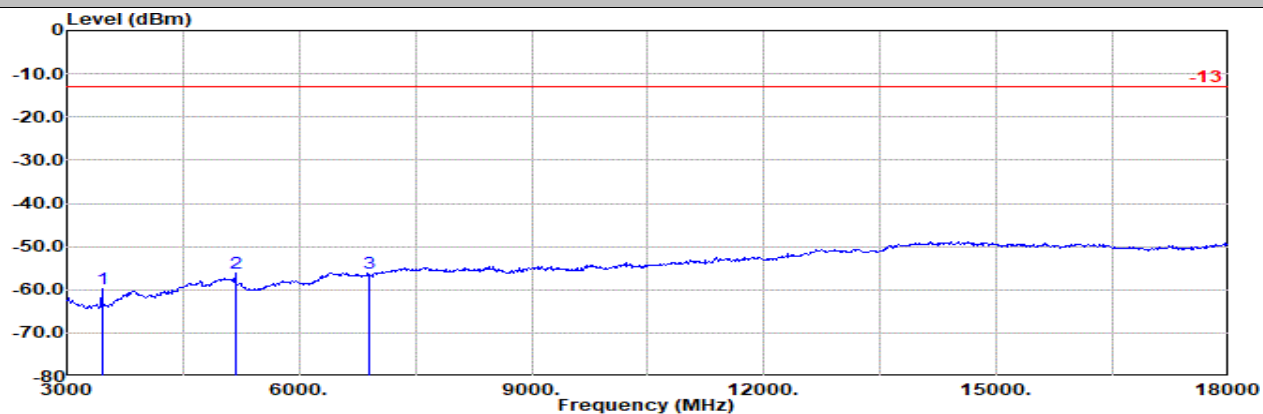


Ant. 3+2

Part 27L Mode 55

EN-DC B7+n66 20M + 45M Ch21100 1RB0 QPSK + Ch349000 1RB1 BPSK

M



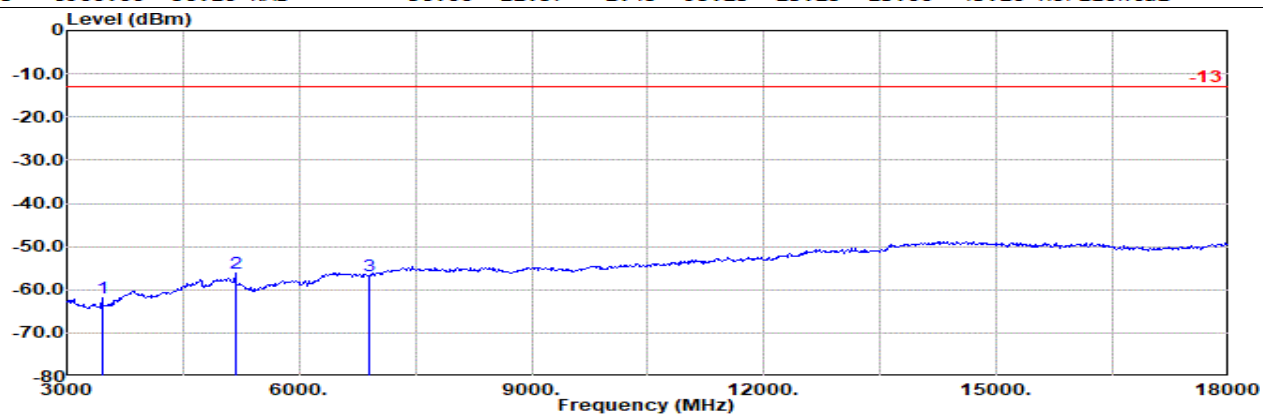
Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE B7 20M Ch21100 1RB0 QPSK

: SA n66 45M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	Amp\Cb							
	MHz	dBm			1							
1	3450.00	-59.90	RMS	28.40	-23.98	1.86	-95.23	29.05	-13.00	-46.90		Horizontal
2	5175.00	-56.20	RMS	32.50	-21.70	2.03	-95.23	26.20	-13.00	-43.20		Horizontal
3	6900.00	-56.10	RMS	36.00	-21.57	1.45	-95.23	23.25	-13.00	-43.10		Horizontal



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE B7 20M Ch21100 1RB0 QPSK

: SA n66 45M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	Amp\Cb							
	MHz	dBm			1							
1	3450.00	-61.82	RMS	28.40	-23.98	1.86	-95.23	27.13	-13.00	-48.82		Vertical
2	5175.00	-56.11	RMS	32.50	-21.70	2.03	-95.23	26.29	-13.00	-43.11		Vertical
3	6900.00	-56.64	RMS	36.00	-21.57	1.45	-95.23	22.71	-13.00	-43.64		Vertical

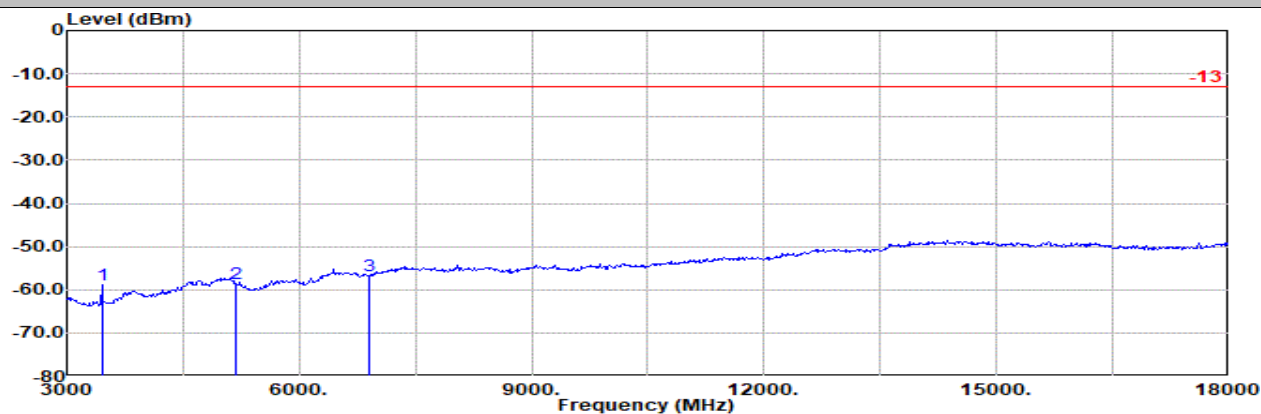


Ant. 1+3

Part 27L Mode 54

EN-DC B12+n66 10M + 45M Ch23095 1RB0 QPSK + Ch349000 1RB1 BPSK

M



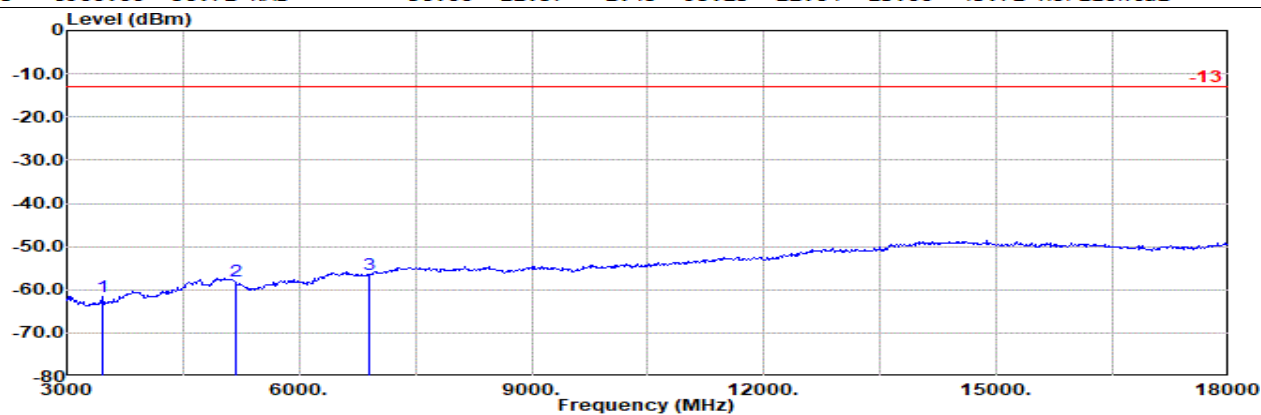
Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE B12 10M Ch23095 1RB0 QPSK

: SA n66 45M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3450.00	-58.74	RMS	28.40	-23.98	1.86	-95.23	30.21	-13.00	-45.74	Horizontal	
2	5175.00	-58.43	RMS	32.50	-21.70	2.03	-95.23	23.97	-13.00	-45.43	Horizontal	
3	6900.00	-56.71	RMS	36.00	-21.57	1.45	-95.23	22.64	-13.00	-43.71	Horizontal	



Site : 03CH21-HY

Condition: -13 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE B12 10M Ch23095 1RB0 QPSK

: SA n66 45M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin Pol	
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3450.00	-61.49	RMS	28.40	-23.98	1.86	-95.23	27.46	-13.00	-48.49	Vertical	
2	5175.00	-57.98	RMS	32.50	-21.70	2.03	-95.23	24.42	-13.00	-44.98	Vertical	
3	6900.00	-56.48	RMS	36.00	-21.57	1.45	-95.23	22.87	-13.00	-43.48	Vertical	

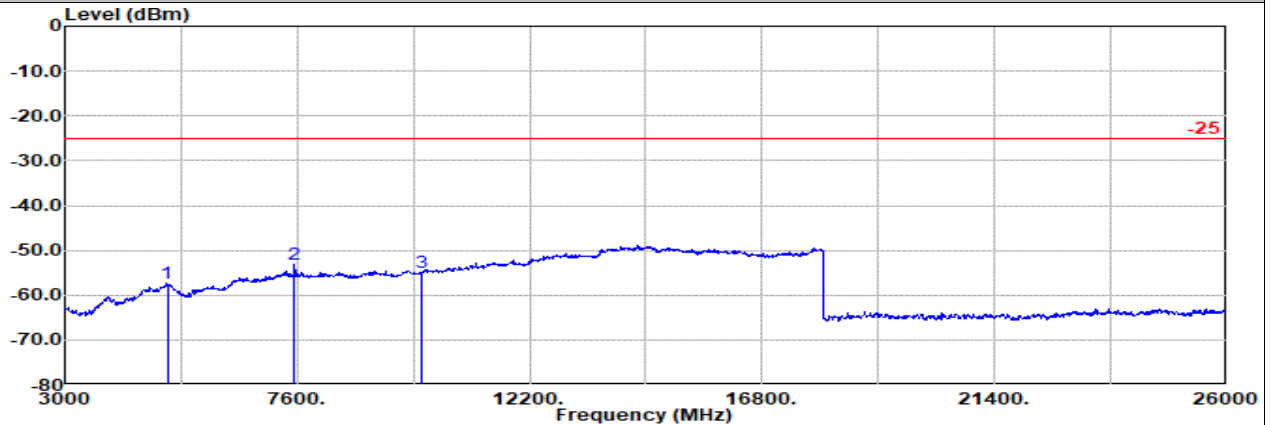


Ant. 4

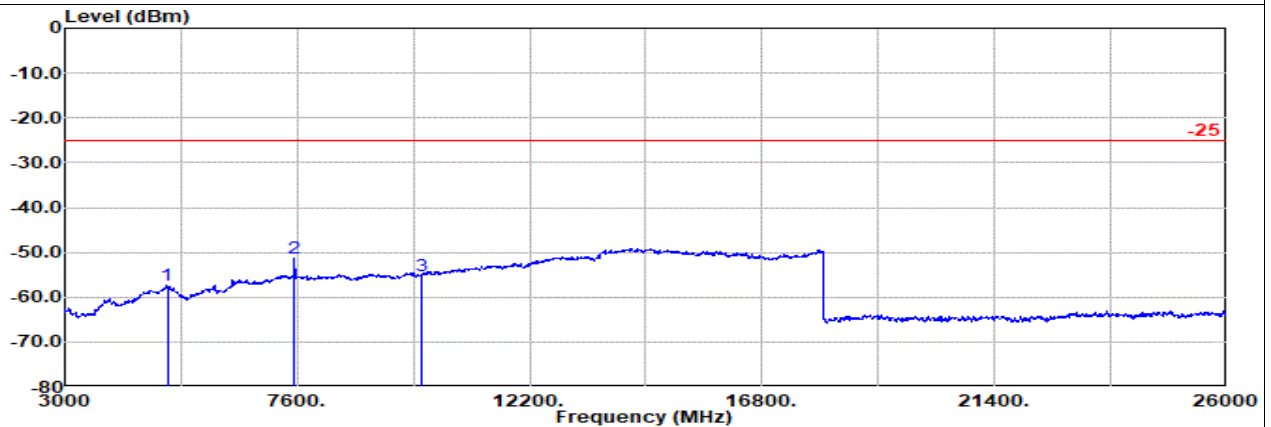
Part 27M Mode 60

NR SA n7 50M Ch507000 1RB1 BPSK

M



	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5026.00	-57.24	RMS	32.75	-21.60	2.23	-95.23	24.61	-25.00	-32.24	Horizontal	
2	7538.00	-53.14	RMS	36.62	-21.18	1.57	-95.23	25.08	-25.00	-28.14	Horizontal	
3	10051.00	-55.05	RMS	37.10	-21.57	1.66	-95.23	22.99	-25.00	-30.05	Horizontal	



	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5026.00	-57.38	RMS	32.75	-21.60	2.23	-95.23	24.47	-25.00	-32.38	Vertical	
2	7538.00	-51.37	RMS	36.62	-21.18	1.57	-95.23	26.85	-25.00	-26.37	Vertical	
3	10051.00	-55.22	RMS	37.10	-21.57	1.66	-95.23	22.82	-25.00	-30.22	Vertical	

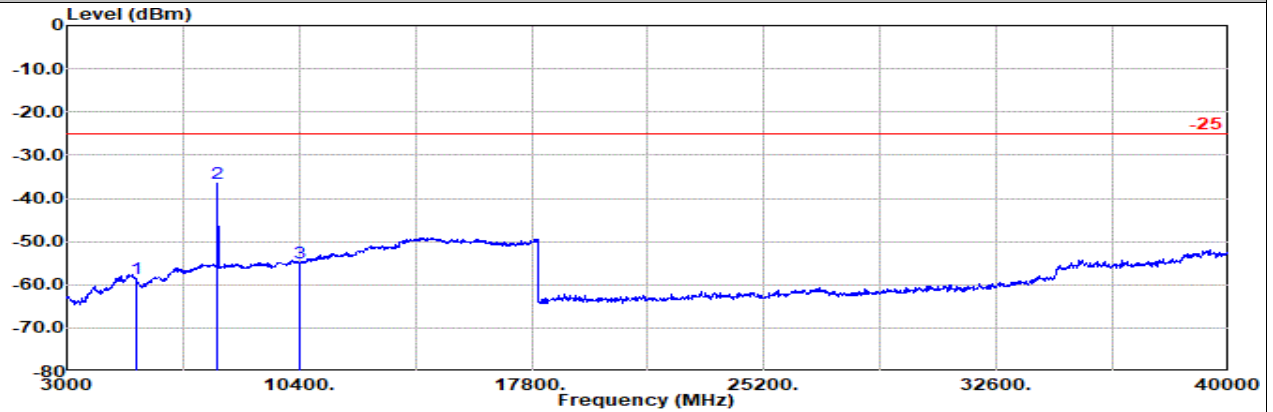


Ant. 4

Part 27M Mode 62

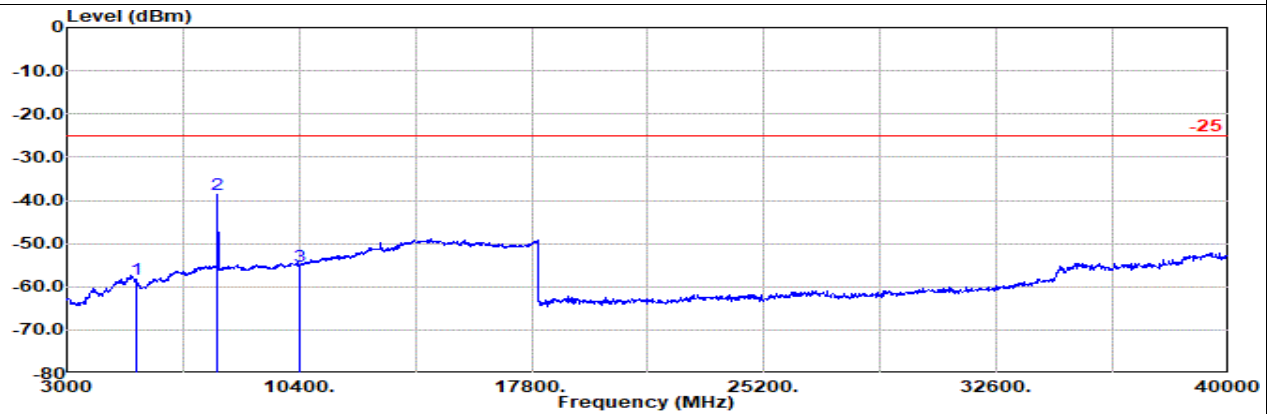
LTE CA n41C 100M + 90M Ch509604 1RB272 QPSK + Ch528588 1RB0 QPSK

M



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Horizontal
: NR n41 100M Ch509604 1RB272 QPSK
: NR n41 90M Ch528588 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		g			
1	5194.00	-58.63	RMS	32.50	-21.71	2.01	-95.23	23.80	-25.00	-33.63 Horizontal
2	7791.00	-36.49	RMS	36.60	-21.42	1.54	-95.23	42.02	-25.00	-11.49 Horizontal
3	10388.00	-54.93	RMS	37.25	-21.77	1.72	-95.23	23.10	-25.00	-29.93 Horizontal



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Vertical
: NR n41 100M Ch509604 1RB272 QPSK
: NR n41 90M Ch528588 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		g			
1	5194.00	-58.41	RMS	32.50	-21.71	2.01	-95.23	24.02	-25.00	-33.41 Vertical
2	7791.00	-38.59	RMS	36.60	-21.42	1.54	-95.23	39.92	-25.00	-13.59 Vertical
3	10388.00	-55.10	RMS	37.25	-21.77	1.72	-95.23	22.93	-25.00	-30.10 Vertical

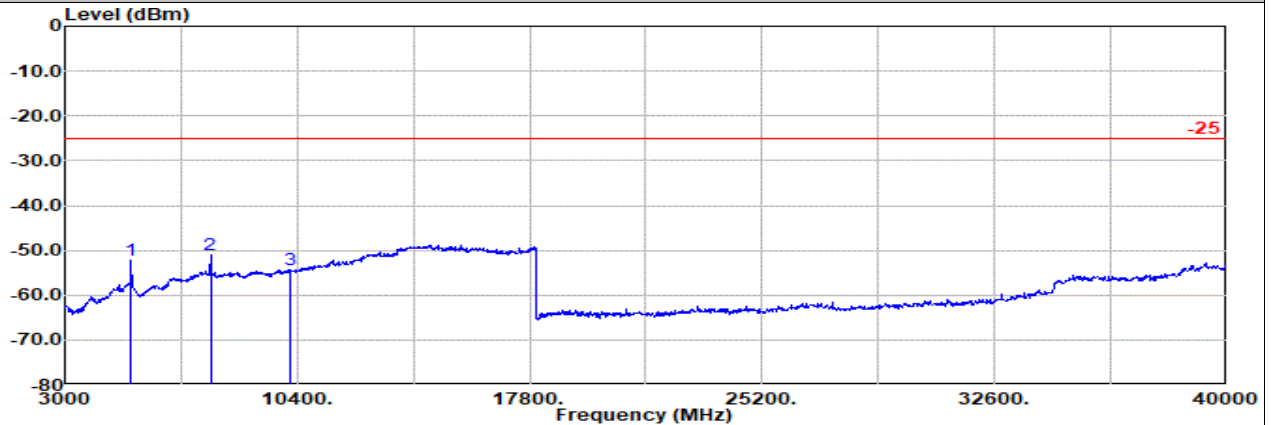


Ant. 3

Part 27M Mode 61

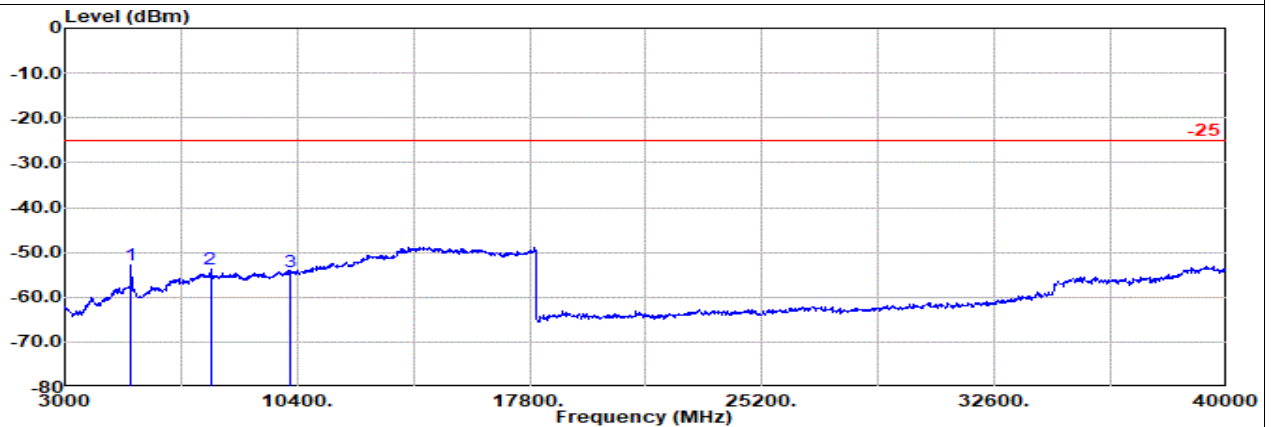
NR SA n41 100M Ch518598 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Horizontal
: SA n41 100M Ch518598 1RB1 BPSK

	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	5089.00	-52.33	RMS	32.54	-21.64	2.15	-95.23	29.85	-25.00	-27.33	Horizontal			
2	7633.00	-50.99	RMS	36.60	-21.25	1.62	-95.23	27.27	-25.00	-25.99	Horizontal			
3	10177.00	-54.46	RMS	37.25	-21.64	1.68	-95.23	23.48	-25.00	-29.46	Horizontal			



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Vertical
: SA n41 100M Ch518598 1RB1 BPSK

	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	5089.00	-52.75	RMS	32.54	-21.64	2.15	-95.23	29.43	-25.00	-27.75	Vertical			
2	7633.00	-53.59	RMS	36.60	-21.25	1.62	-95.23	24.67	-25.00	-28.59	Vertical			
3	10177.00	-54.35	RMS	37.25	-21.64	1.68	-95.23	23.59	-25.00	-29.35	Vertical			

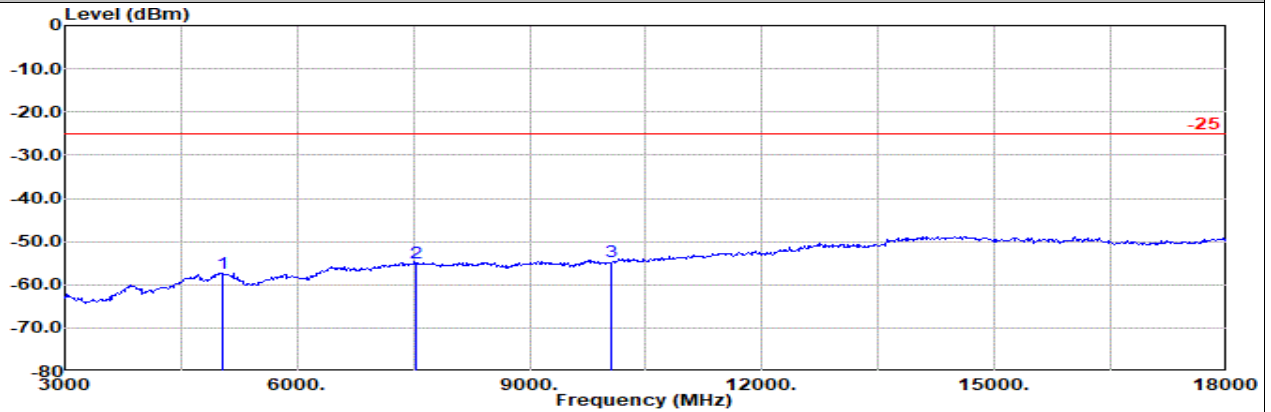


Ant. 1+3

Part 27M Mode 63

EN-DC B5+n7 10M + 50M Ch20525 1RB0 QPSK + Ch507000 1RB1 BPSK

M



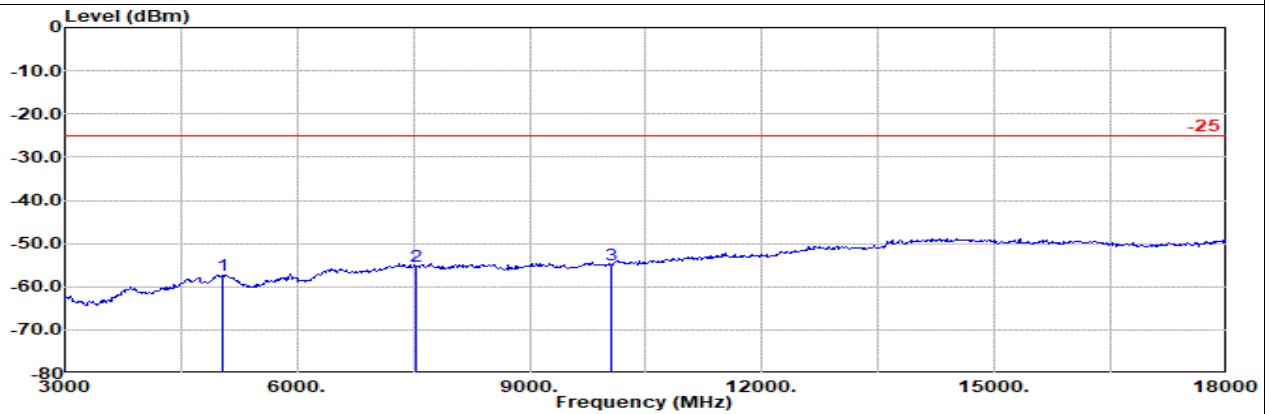
Site : 03CH21-HY

Condition: -25 3m DRH18-E_LE2C03A18EN_250807 Horizontal

: LTE Band 5 10M Ch20525 1RB0 QPSK

: SA n7 50M Ch507000 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin Pol	
	MHz	dBm		Factor	1		g			
1	5026.00	-57.22	RMS	32.75	-21.60	2.23	-95.23	24.63	-25.00	-32.22 Horizontal
2	7538.00	-55.06	RMS	36.62	-21.18	1.57	-95.23	23.16	-25.00	-30.06 Horizontal
3	10051.00	-54.66	RMS	37.10	-21.57	1.66	-95.23	23.38	-25.00	-29.66 Horizontal



Site : 03CH21-HY

Condition: -25 3m DRH18-E_LE2C03A18EN_250807 Vertical

: LTE Band 5 10M Ch20525 1RB0 QPSK

: SA n7 50M Ch507000 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin Pol	
	MHz	dBm		Factor	1		g			
1	5026.00	-57.47	RMS	32.75	-21.60	2.23	-95.23	24.38	-25.00	-32.47 Vertical
2	7538.00	-55.23	RMS	36.62	-21.18	1.57	-95.23	22.99	-25.00	-30.23 Vertical
3	10051.00	-54.87	RMS	37.10	-21.57	1.66	-95.23	23.17	-25.00	-29.87 Vertical

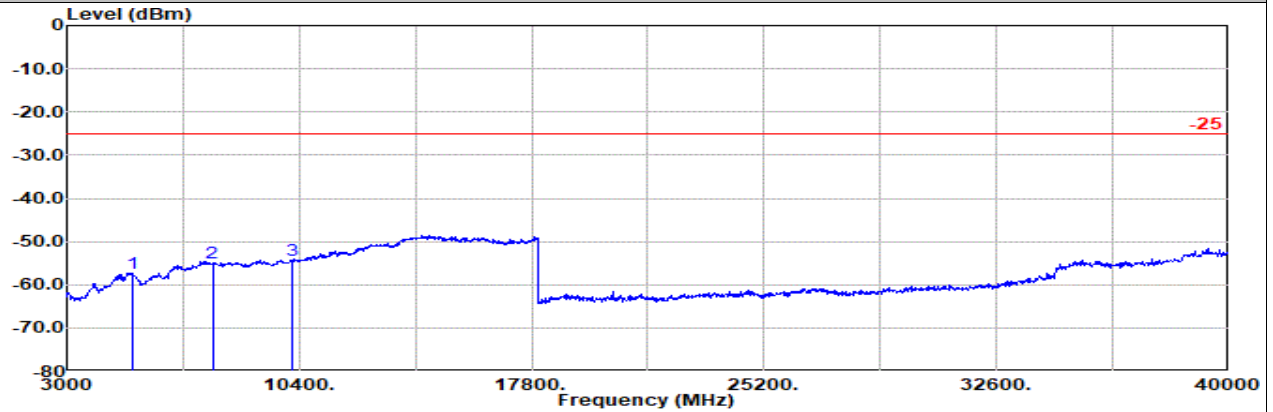


Ant. 1+3

Part 27M Mode 64

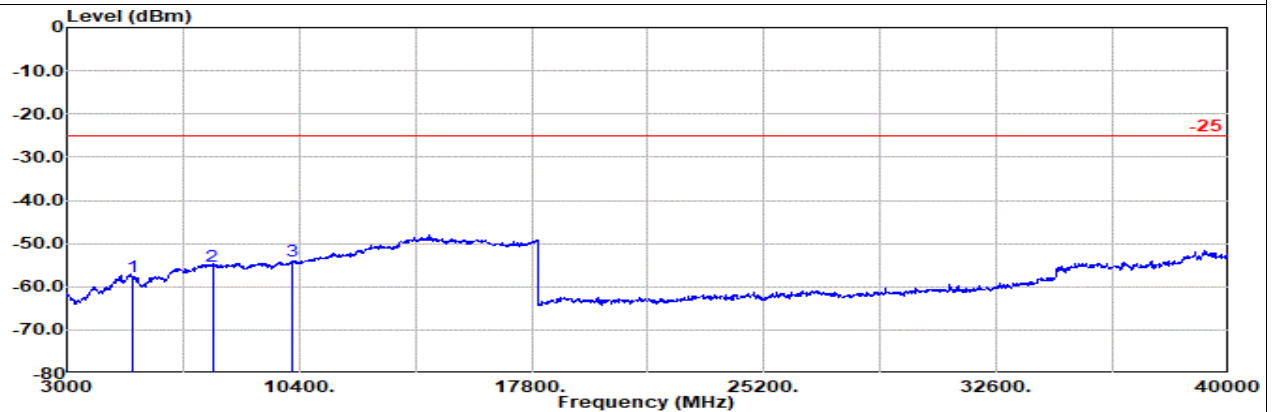
EN-DC B12+n41 10M + 100M Ch23095 1RB0 QPSK + Ch518598 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Horizontal
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n41 100M Ch518598 1RB1 BPSK

	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	5089.00	-57.31	RMS	32.54	-21.64	2.15	-95.23	24.87	-25.00	-32.31 Horizontal
2	7633.00	-55.01	RMS	36.60	-21.25	1.62	-95.23	23.25	-25.00	-30.01 Horizontal
3	10177.00	-54.44	RMS	37.25	-21.64	1.68	-95.23	23.50	-25.00	-29.44 Horizontal



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Vertical
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n41 100M Ch518598 1RB1 BPSK

	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	5089.00	-57.57	RMS	32.54	-21.64	2.15	-95.23	24.61	-25.00	-32.57 Vertical
2	7633.00	-55.11	RMS	36.60	-21.25	1.62	-95.23	23.15	-25.00	-30.11 Vertical
3	10177.00	-53.90	RMS	37.25	-21.64	1.68	-95.23	24.04	-25.00	-28.90 Vertical

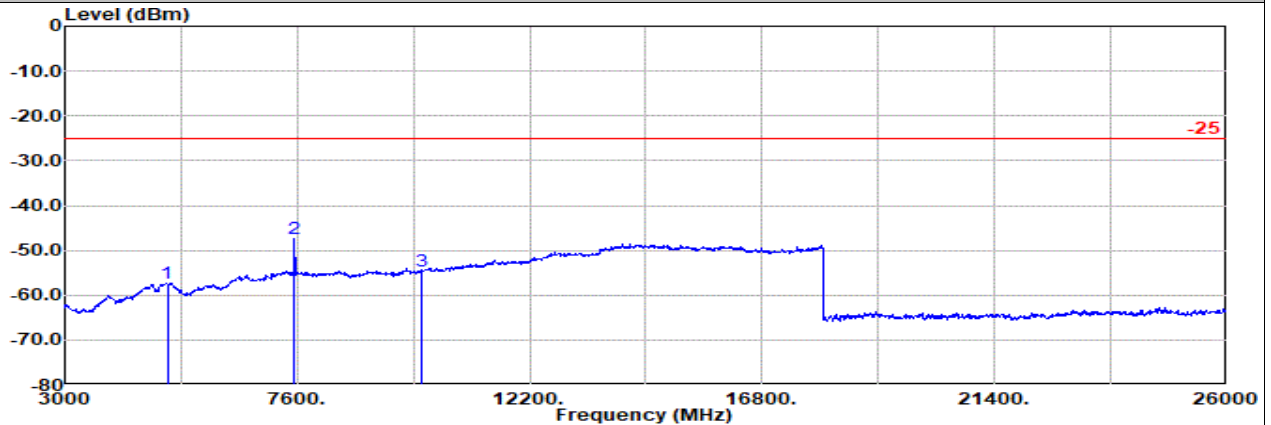


Ant. 3+0

Part 27M Mode 65

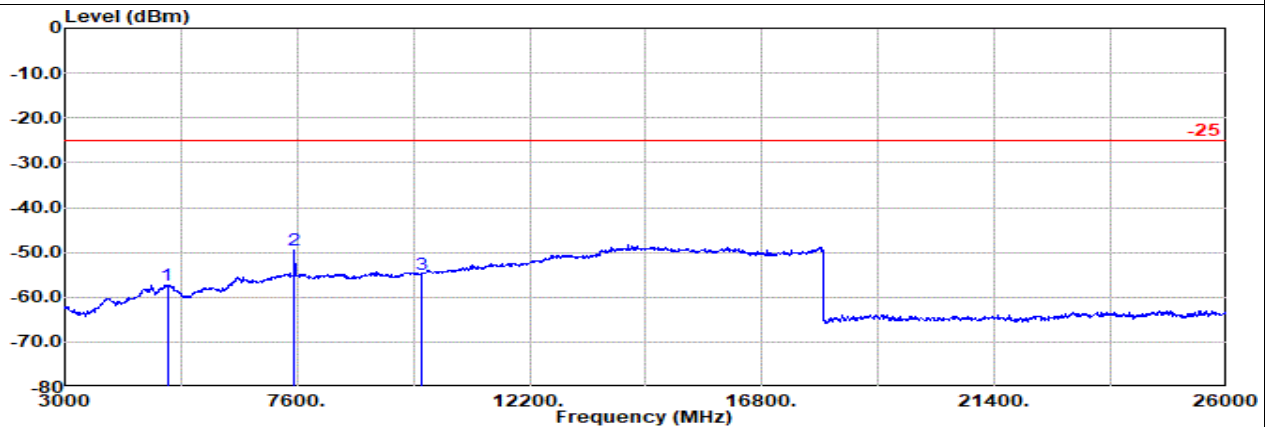
NR SA n7 MIMO 50M Ch507000 1RB1 QPSK

M



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Horizontal
: SA n7 50M Ch507000 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	5026.00	-57.26	RMS	32.75	-21.60	2.23	-95.23	24.59	-25.00	-32.26	Horizontal
2	7538.00	-47.53	RMS	36.62	-21.18	1.57	-95.23	30.69	-25.00	-22.53	Horizontal
3	10051.00	-54.68	RMS	37.10	-21.57	1.66	-95.23	23.36	-25.00	-29.68	Horizontal



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Vertical
: SA n7 50M Ch507000 1RB1 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	5026.00	-57.37	RMS	32.75	-21.60	2.23	-95.23	24.48	-25.00	-32.37	Vertical
2	7538.00	-49.62	RMS	36.62	-21.18	1.57	-95.23	28.60	-25.00	-24.62	Vertical
3	10051.00	-54.81	RMS	37.10	-21.57	1.66	-95.23	23.23	-25.00	-29.81	Vertical

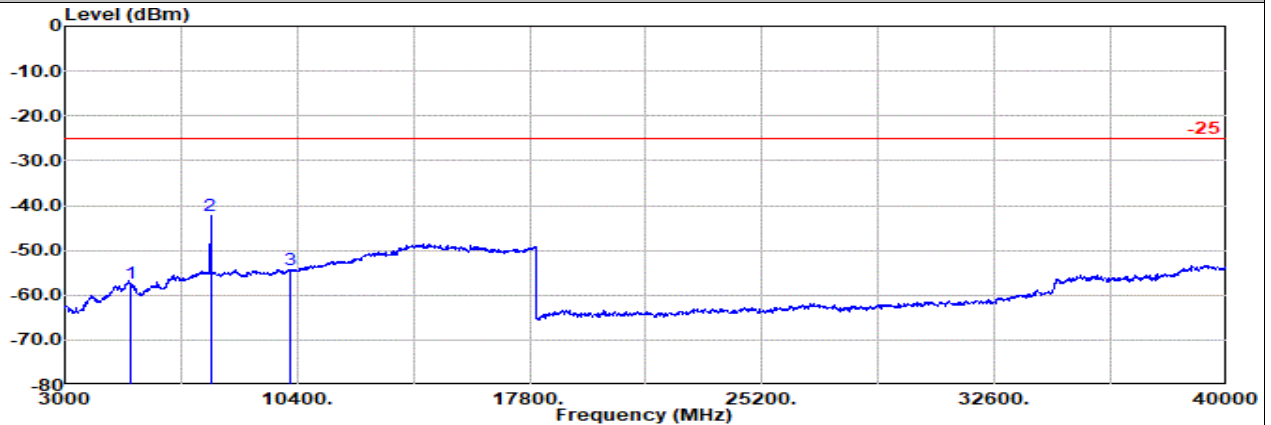


Ant. 4+0

Part 27M Mode 66

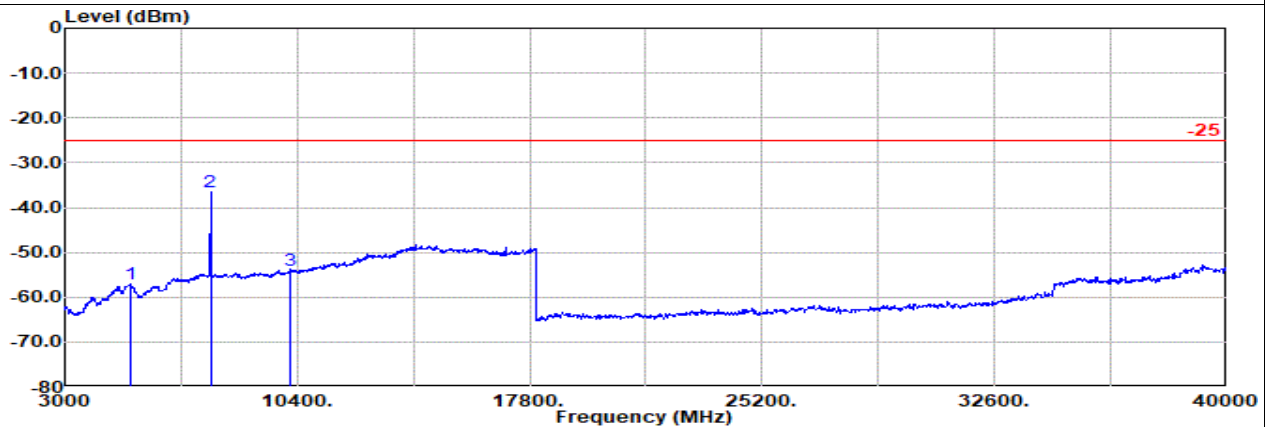
NR SA n41 MIMO 100M Ch518598 1RB1 QPSK

M



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Horizontal
: SA n41 100M Ch518598 1RB1 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	5089.00	-57.21	RMS	32.54	-21.64	2.15	-95.23	24.97	-25.00	-32.21	Horizontal
2	7633.00	-42.18	RMS	36.60	-21.25	1.62	-95.23	36.08	-25.00	-17.18	Horizontal
3	10177.00	-54.28	RMS	37.25	-21.64	1.68	-95.23	23.66	-25.00	-29.28	Horizontal



Site : 03CH21-HY
Condition: -25 1m BBHA9170_1350 Vertical
: SA n41 100M Ch518598 1RB1 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	5089.00	-57.01	RMS	32.54	-21.64	2.15	-95.23	25.17	-25.00	-32.01	Vertical
2	7633.00	-36.60	RMS	36.60	-21.25	1.62	-95.23	41.66	-25.00	-11.60	Vertical
3	10177.00	-53.95	RMS	37.25	-21.64	1.68	-95.23	23.99	-25.00	-28.95	Vertical

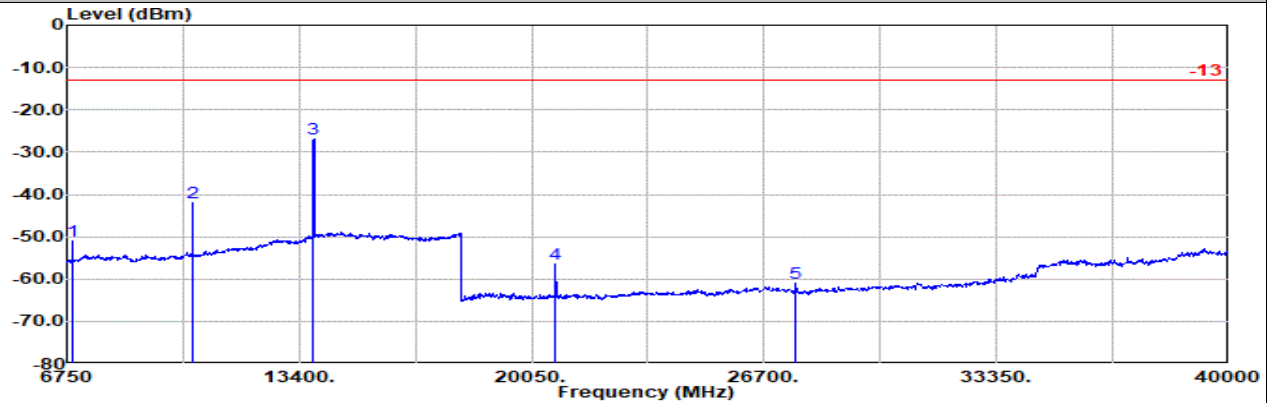


Ant. 2

Part 27Q Mode 71

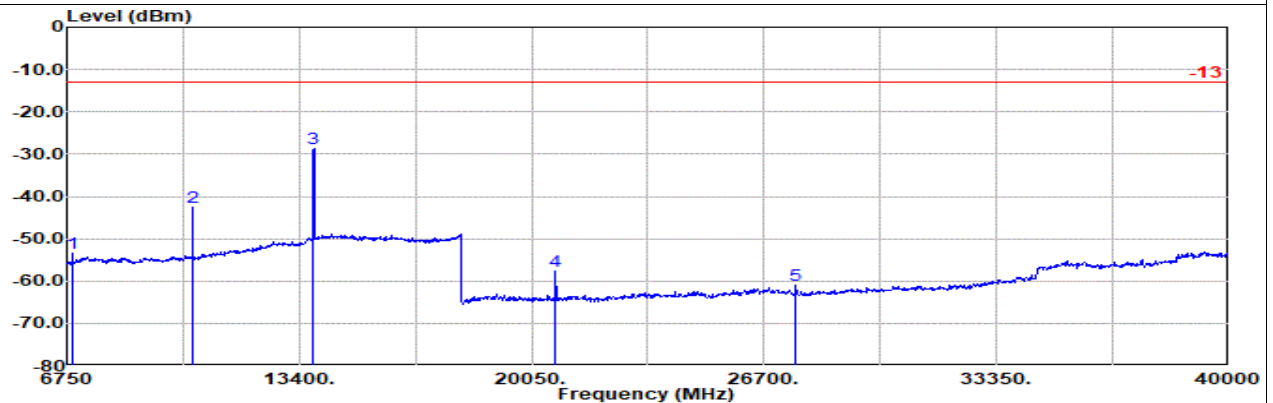
NR SA n77 100M Ch633334 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n77 100M Ch633334 1RB1 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	6903.00	-51.13	RMS	36.01	-21.57	2.17	-95.23	27.49	-13.00	-38.13	Horizontal
2	10354.00	-42.11	RMS	37.38	-21.75	1.77	-95.23	35.72	-13.00	-29.11	Horizontal
3	13805.00	-26.83	RMS	40.40	-22.23	2.21	-95.23	48.02	-13.00	-13.83	Horizontal
4	20728.00	-56.49	RMS	38.60	-35.67	-9.54	-95.23	45.35	-13.00	-43.49	Horizontal
5	27614.00	-61.00	RMS	40.37	-31.04	-9.54	-95.23	34.44	-13.00	-48.00	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n77 100M Ch633334 1RB1 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	6903.00	-53.32	RMS	36.01	-21.57	2.17	-95.23	25.30	-13.00	-40.32	Vertical
2	10354.00	-42.62	RMS	37.38	-21.75	1.77	-95.23	35.21	-13.00	-29.62	Vertical
3	13805.00	-28.80	RMS	40.40	-22.23	2.21	-95.23	46.05	-13.00	-15.80	Vertical
4	20728.00	-57.61	RMS	38.60	-35.67	-9.54	-95.23	44.23	-13.00	-44.61	Vertical
5	27614.00	-61.03	RMS	40.37	-31.04	-9.54	-95.23	34.41	-13.00	-48.03	Vertical

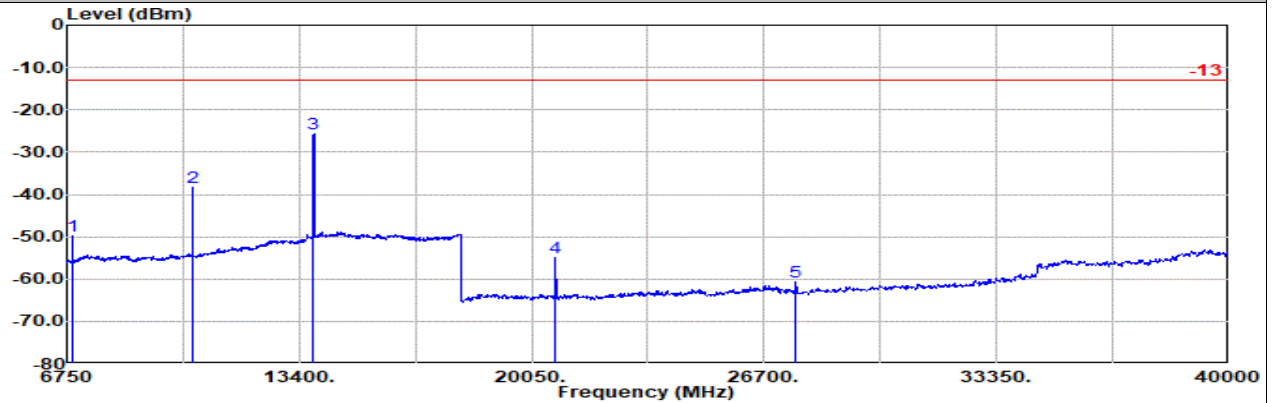


Ant. 4

Part 27Q Mode 72

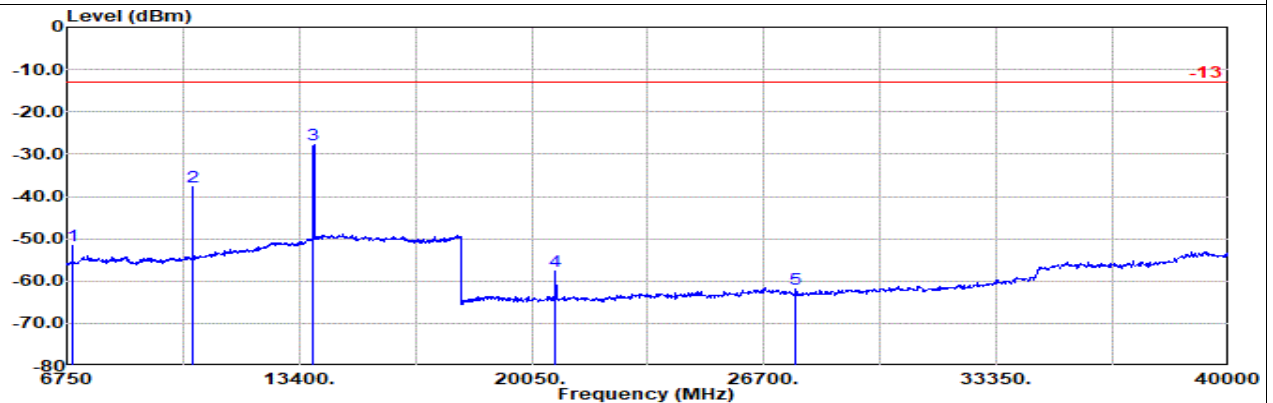
NR SA n77 100M Ch633334 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n77 100M Ch633334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	6903.00	-49.94	RMS	36.01	-21.57	2.17	-95.23	28.68	-13.00	-36.94	Horizontal
2	10354.00	-38.40	RMS	37.38	-21.75	1.77	-95.23	39.43	-13.00	-25.40	Horizontal
3	13805.00	-25.76	RMS	40.40	-22.23	2.21	-95.23	49.09	-13.00	-12.76	Horizontal
4	20728.00	-54.92	RMS	38.60	-35.67	-9.54	-95.23	46.92	-13.00	-41.92	Horizontal
5	27614.00	-60.67	RMS	40.37	-31.04	-9.54	-95.23	34.77	-13.00	-47.67	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n77 100M Ch633334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	6903.00	-51.65	RMS	36.01	-21.57	2.17	-95.23	26.97	-13.00	-38.65	Vertical
2	10354.00	-37.62	RMS	37.38	-21.75	1.77	-95.23	40.21	-13.00	-24.62	Vertical
3	13805.00	-27.85	RMS	40.40	-22.23	2.21	-95.23	47.00	-13.00	-14.85	Vertical
4	20728.00	-57.61	RMS	38.60	-35.67	-9.54	-95.23	44.23	-13.00	-44.61	Vertical
5	27614.00	-61.83	RMS	40.37	-31.04	-9.54	-95.23	33.61	-13.00	-48.83	Vertical

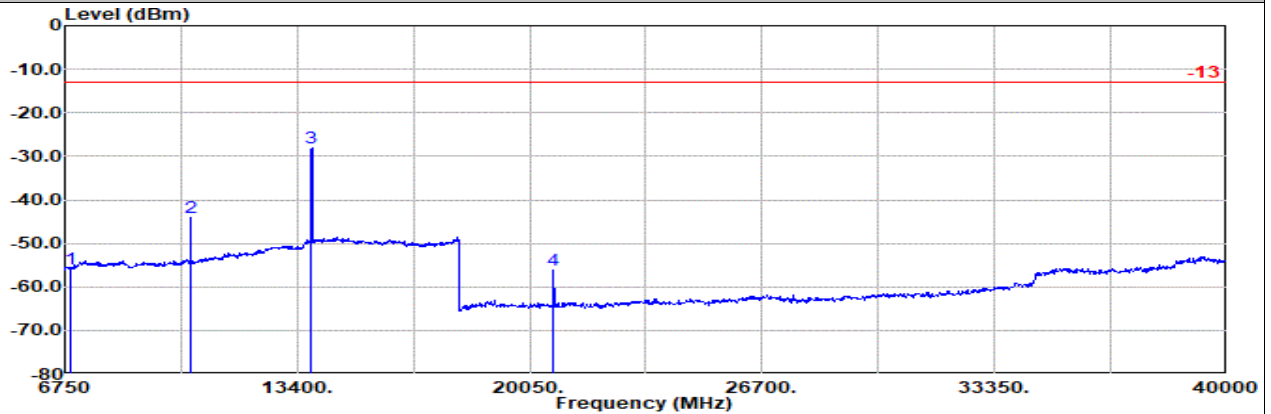


Ant. 8+6

Part 27Q Mode 73

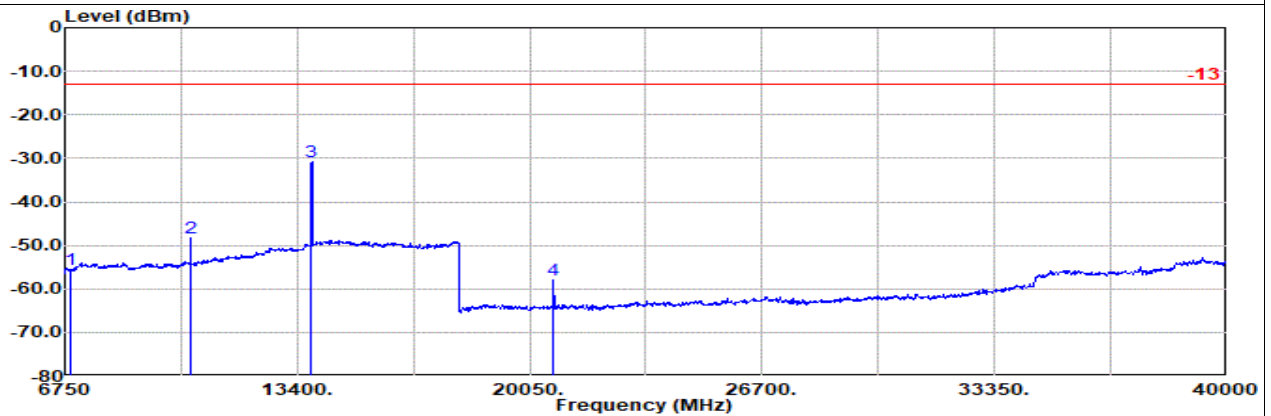
NR SA n77 MIMO 100M Ch633334 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n77 100M Ch633334 1RB1 BPSK

	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	6903.00	-55.87	RMS	36.01	-21.57	2.17	-95.23	22.75	-13.00	-42.87	Horizontal
2	10354.00	-43.97	RMS	37.38	-21.75	1.77	-95.23	33.86	-13.00	-30.97	Horizontal
3	13805.00	-28.09	RMS	40.40	-22.23	2.21	-95.23	46.76	-13.00	-15.09	Horizontal
4	20728.00	-56.26	RMS	38.60	-35.67	-9.54	-95.23	45.58	-13.00	-43.26	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n77 100M Ch633334 1RB1 BPSK

	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	6903.00	-55.58	RMS	36.01	-21.57	2.17	-95.23	23.04	-13.00	-42.58	Vertical
2	10354.00	-48.30	RMS	37.38	-21.75	1.77	-95.23	29.53	-13.00	-35.30	Vertical
3	13805.00	-30.91	RMS	40.40	-22.23	2.21	-95.23	43.94	-13.00	-17.91	Vertical
4	20728.00	-58.02	RMS	38.60	-35.67	-9.54	-95.23	43.82	-13.00	-45.02	Vertical

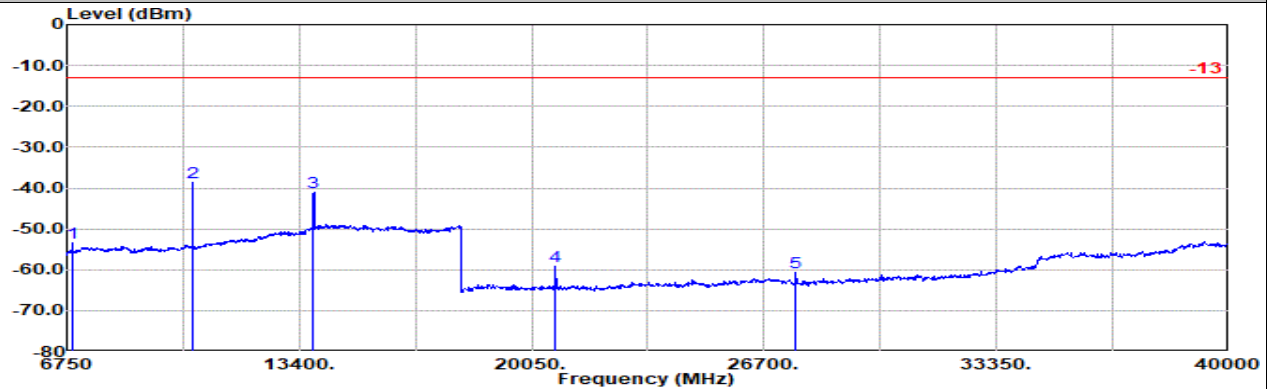


Ant. 1+2

Part 27Q Mode 74

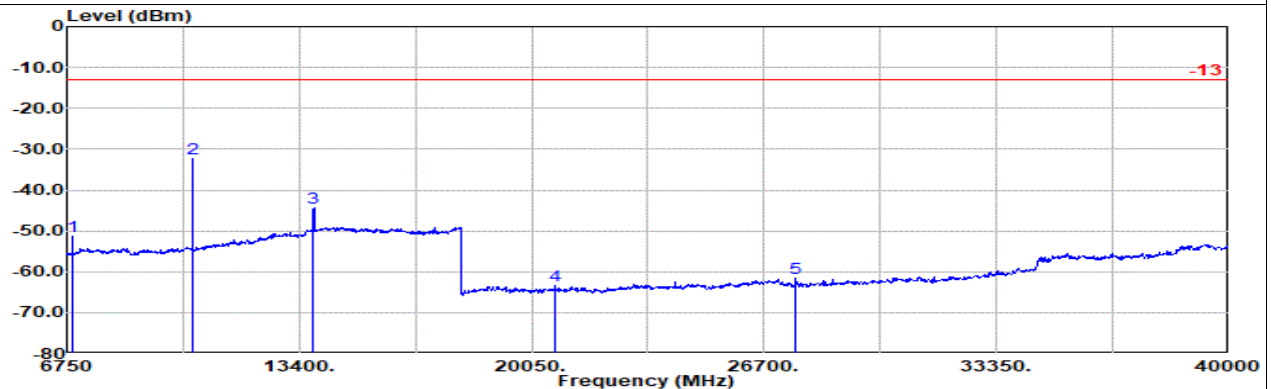
EN-DC B12+n77 10M + 100M Ch23095 1RB0 QPSK + Ch633334 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n77 100M Ch633334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm	dB	
1	6903.00	-53.55	RMS	36.01	-21.57	2.17	-95.23	25.07	-13.00	-40.55	Horizontal	
2	10354.00	-38.71	RMS	37.38	-21.75	1.77	-95.23	39.12	-13.00	-25.71	Horizontal	
3	13805.00	-41.16	RMS	40.40	-22.23	2.21	-95.23	33.69	-13.00	-28.16	Horizontal	
4	20728.00	-59.13	RMS	38.60	-35.67	-9.54	-95.23	42.71	-13.00	-46.13	Horizontal	
5	27614.00	-60.59	RMS	40.37	-31.04	-9.54	-95.23	34.85	-13.00	-47.59	Horizontal	



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: LTE Band 12 10M Ch23095 1RB0 QPSK
: SA n77 100M Ch633334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm	dB	
1	6903.00	-51.27	RMS	36.01	-21.57	2.17	-95.23	27.35	-13.00	-38.27	Vertical	
2	10354.00	-32.39	RMS	37.38	-21.75	1.77	-95.23	45.44	-13.00	-19.39	Vertical	
3	13805.00	-44.26	RMS	40.40	-22.23	2.21	-95.23	30.59	-13.00	-31.26	Vertical	
4	20728.00	-63.36	RMS	38.60	-35.67	-9.54	-95.23	38.48	-13.00	-50.36	Vertical	
5	27614.00	-61.44	RMS	40.37	-31.04	-9.54	-95.23	34.00	-13.00	-48.44	Vertical	

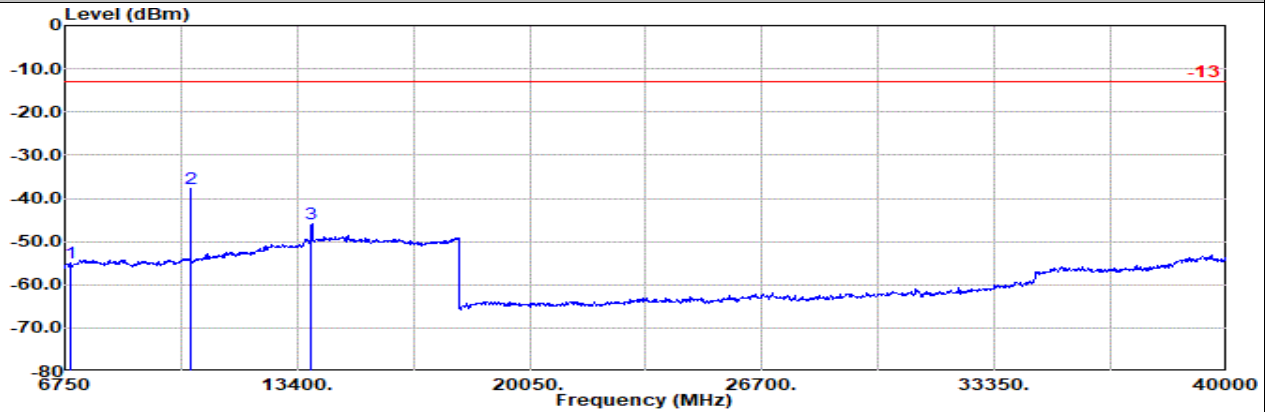


Ant. 3+4

Part 27Q Mode 75

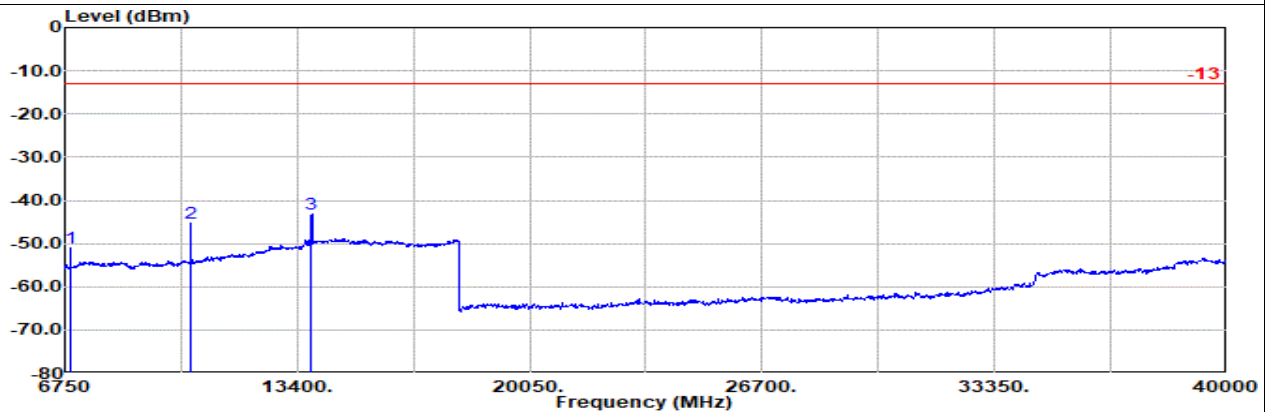
EN-DC B41+n77 20M + 100M Ch40620 1RB0 QPSK + Ch633334 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1450 Horizontal
: LTE Band 41 20M Ch40620 1RB0 QPSK
: SA n77 100M Ch633334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	6903.00	-54.96	RMS	36.01	-21.57	2.17	-95.23	23.66	-13.00	-41.96	Horizontal
2	10354.00	-37.60	RMS	37.38	-21.75	1.77	-95.23	40.23	-13.00	-24.60	Horizontal
3	13805.00	-45.84	RMS	40.40	-22.23	2.21	-95.23	29.01	-13.00	-32.84	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1450 Vertical
: LTE Band 41 20M Ch40620 1RB0 QPSK
: SA n77 100M Ch633334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm		
1	6903.00	-50.97	RMS	36.01	-21.57	2.17	-95.23	27.65	-13.00	-37.97	Vertical
2	10354.00	-45.29	RMS	37.38	-21.75	1.77	-95.23	32.54	-13.00	-32.29	Vertical
3	13805.00	-43.17	RMS	40.40	-22.23	2.21	-95.23	31.68	-13.00	-30.17	Vertical

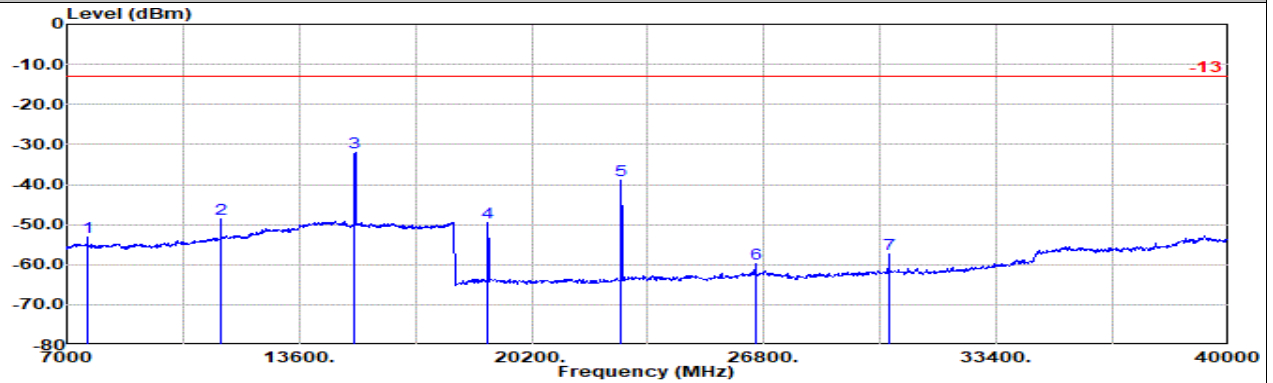


Ant. 2

Part 270 Mode 76

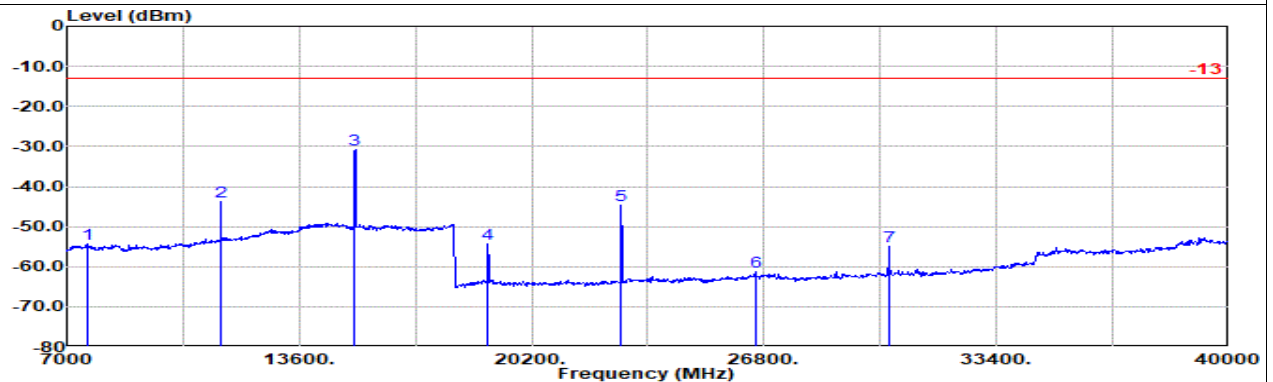
NR SA n77 100M Ch656000 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n77 100M Ch656000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB			dBuV	dBm	dB	
1	7583.00	-53.26	RMS		36.60	-21.21	1.95	-95.23	24.63	-13.00	-40.26	Horizontal
2	11374.00	-48.56	RMS		38.40	-21.74	1.96	-95.23	28.05	-13.00	-35.56	Horizontal
3	15165.00	-32.14	RMS		41.10	-23.50	2.17	-95.23	43.32	-13.00	-19.14	Horizontal
4	18968.00	-49.50	RMS		38.90	-38.77	-9.54	-95.23	55.14	-13.00	-36.50	Horizontal
5	22752.00	-39.04	RMS		39.51	-32.77	-9.54	-95.23	58.99	-13.00	-26.04	Horizontal
6	26558.00	-59.83	RMS		40.52	-31.04	-9.54	-95.23	35.46	-13.00	-46.83	Horizontal
7	30342.00	-57.39	RMS		41.02	-29.69	-9.54	-95.23	36.05	-13.00	-44.39	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n77 100M Ch656000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB			dBuV	dBm	dB	
1	7583.00	-54.21	RMS		36.60	-21.21	1.95	-95.23	23.68	-13.00	-41.21	Vertical
2	11374.00	-43.89	RMS		38.40	-21.74	1.96	-95.23	32.72	-13.00	-30.89	Vertical
3	15165.00	-30.91	RMS		41.10	-23.50	2.17	-95.23	44.55	-13.00	-17.91	Vertical
4	18968.00	-54.23	RMS		38.90	-38.77	-9.54	-95.23	50.41	-13.00	-41.23	Vertical
5	22752.00	-44.75	RMS		39.51	-32.77	-9.54	-95.23	53.28	-13.00	-31.75	Vertical
6	26558.00	-61.26	RMS		40.52	-31.04	-9.54	-95.23	34.03	-13.00	-48.26	Vertical
7	30342.00	-55.01	RMS		41.02	-29.69	-9.54	-95.23	38.43	-13.00	-42.01	Vertical

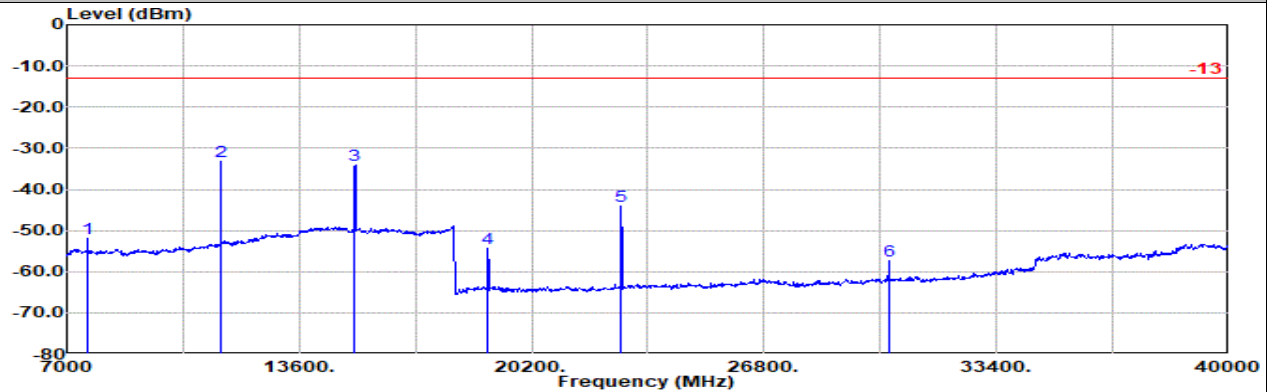


Ant. 4

Part 270 Mode 77

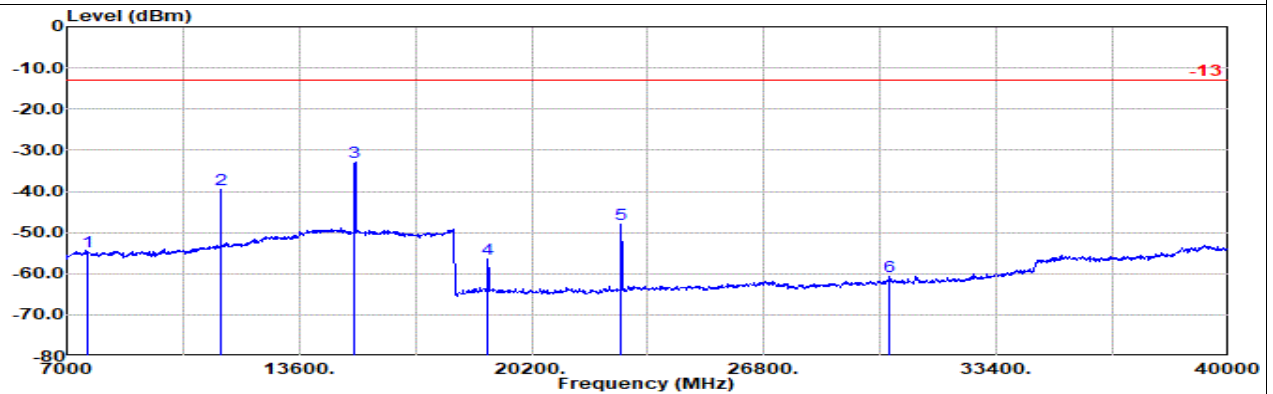
NR SA n77 100M Ch656000 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: SA n77 100M Ch656000 1RB1 BPSK

	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	7583.00	-51.98	RMS	36.60	-21.21	1.95	-95.23	25.91	-13.00	-38.98	Horizontal
2	11374.00	-33.24	RMS	38.40	-21.74	1.96	-95.23	43.37	-13.00	-20.24	Horizontal
3	15165.00	-34.16	RMS	41.10	-23.50	2.17	-95.23	41.30	-13.00	-21.16	Horizontal
4	18968.00	-54.27	RMS	38.90	-38.77	-9.54	-95.23	50.37	-13.00	-41.27	Horizontal
5	22752.00	-43.96	RMS	39.51	-32.77	-9.54	-95.23	54.07	-13.00	-30.96	Horizontal
6	30342.00	-57.40	RMS	41.02	-29.69	-9.54	-95.23	36.04	-13.00	-44.40	Horizontal



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: SA n77 100M Ch656000 1RB1 BPSK

	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	7583.00	-54.51	RMS	36.60	-21.21	1.95	-95.23	23.38	-13.00	-41.51	Vertical
2	11374.00	-39.57	RMS	38.40	-21.74	1.96	-95.23	37.04	-13.00	-26.57	Vertical
3	15165.00	-33.05	RMS	41.10	-23.50	2.17	-95.23	42.41	-13.00	-20.05	Vertical
4	18968.00	-56.41	RMS	38.90	-38.77	-9.54	-95.23	48.23	-13.00	-43.41	Vertical
5	22752.00	-48.05	RMS	39.51	-32.77	-9.54	-95.23	49.98	-13.00	-35.05	Vertical
6	30342.00	-60.70	RMS	41.02	-29.69	-9.54	-95.23	32.74	-13.00	-47.70	Vertical

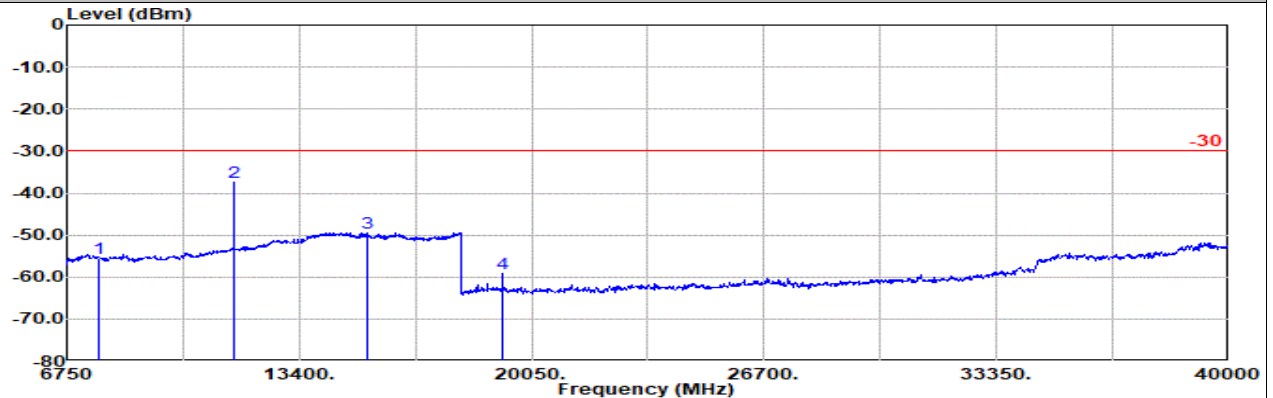


Ant. 4

Part 270 Mode 80

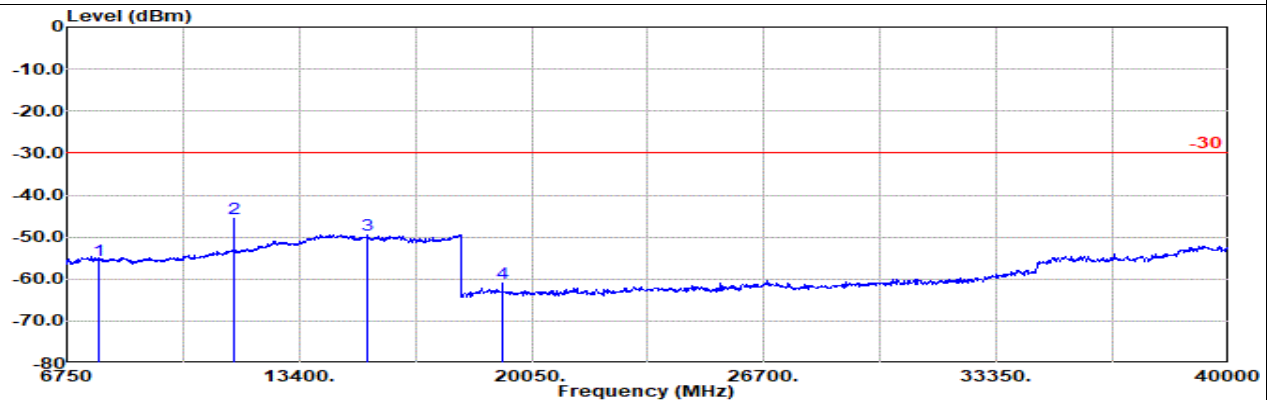
LTE CA n77C 100M + 100M Ch652668 1RB271 QPSK + Ch659332 1RB0 QPSK

M



Site : 03CH21-HY
Condition: -30 1m BBHA9170_1350 Horizontal
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 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	7678.00	-55.44	RMS	36.54	-21.30	1.86	-95.23	22.69	-30.00	-25.44	Horizontal
2	11517.00	-37.33	RMS	38.50	-21.76	1.98	-95.23	39.18	-30.00	-7.33	Horizontal
3	15356.00	-49.64	RMS	40.90	-23.46	2.16	-95.23	25.99	-30.00	-19.64	Horizontal
4	19210.00	-59.11	RMS	38.82	-38.36	-9.54	-95.23	45.20	-30.00	-29.11	Horizontal



Site : 03CH21-HY
Condition: -30 1m BBHA9170_1350 Vertical
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 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	7678.00	-55.53	RMS	36.54	-21.30	1.86	-95.23	22.60	-30.00	-25.53	Vertical
2	11517.00	-45.65	RMS	38.50	-21.76	1.98	-95.23	30.86	-30.00	-15.65	Vertical
3	15356.00	-49.52	RMS	40.90	-23.46	2.16	-95.23	26.11	-30.00	-19.52	Vertical
4	19210.00	-61.12	RMS	38.82	-38.36	-9.54	-95.23	43.19	-30.00	-31.12	Vertical

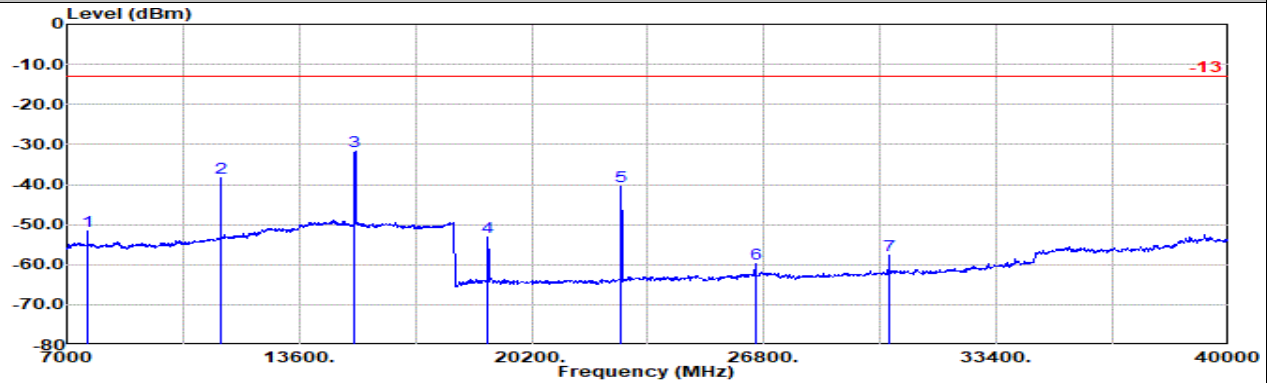


Ant. 2+6

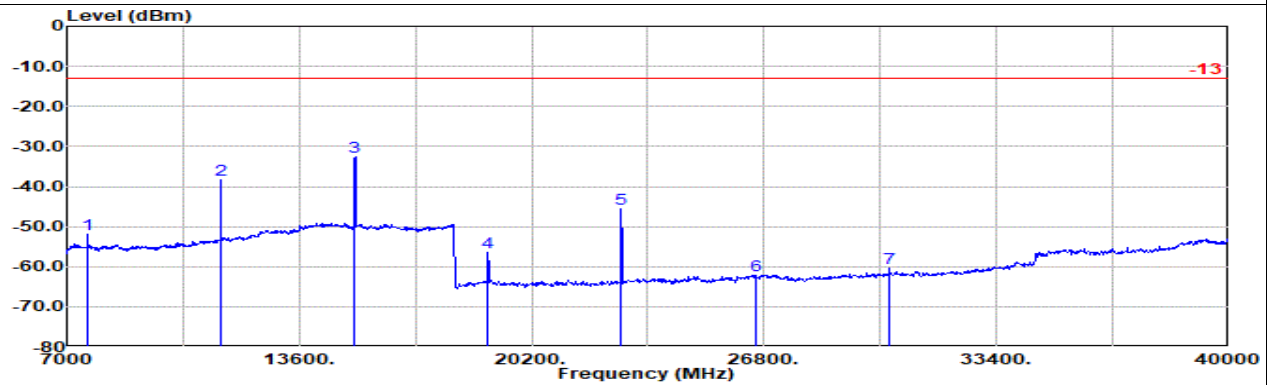
Part 270 Mode 78

NR SA n77 MIMO 100M Ch656000 1RB1 BPSK

M



	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	7583.00	-51.59	RMS	36.60	-21.21	1.95	-95.23	26.30	-13.00	-38.59	Horizontal	
2	11374.00	-38.27	RMS	38.40	-21.74	1.96	-95.23	38.34	-13.00	-25.27	Horizontal	
3	15165.00	-31.59	RMS	41.10	-23.50	2.17	-95.23	43.87	-13.00	-18.59	Horizontal	
4	18968.00	-53.03	RMS	38.90	-38.77	-9.54	-95.23	51.61	-13.00	-40.03	Horizontal	
5	22752.00	-40.49	RMS	39.51	-32.77	-9.54	-95.23	57.54	-13.00	-27.49	Horizontal	
6	26558.00	-59.81	RMS	40.52	-31.04	-9.54	-95.23	35.48	-13.00	-46.81	Horizontal	
7	30342.00	-57.71	RMS	41.02	-29.69	-9.54	-95.23	35.73	-13.00	-44.71	Horizontal	



	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	7583.00	-52.01	RMS	36.60	-21.21	1.95	-95.23	25.88	-13.00	-39.01	Vertical	
2	11374.00	-38.43	RMS	38.40	-21.74	1.96	-95.23	38.18	-13.00	-25.43	Vertical	
3	15165.00	-32.72	RMS	41.10	-23.50	2.17	-95.23	42.74	-13.00	-19.72	Vertical	
4	18968.00	-56.59	RMS	38.90	-38.77	-9.54	-95.23	48.05	-13.00	-43.59	Vertical	
5	22752.00	-45.63	RMS	39.51	-32.77	-9.54	-95.23	52.40	-13.00	-32.63	Vertical	
6	26558.00	-62.08	RMS	40.52	-31.04	-9.54	-95.23	33.21	-13.00	-49.08	Vertical	
7	30342.00	-60.48	RMS	41.02	-29.69	-9.54	-95.23	32.96	-13.00	-47.48	Vertical	

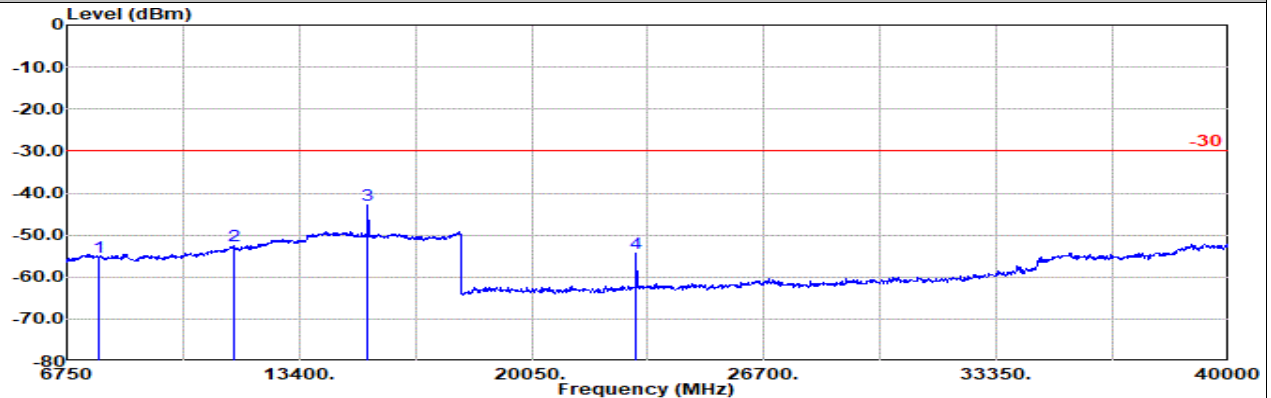


Ant. 8

Part 270 Mode 79

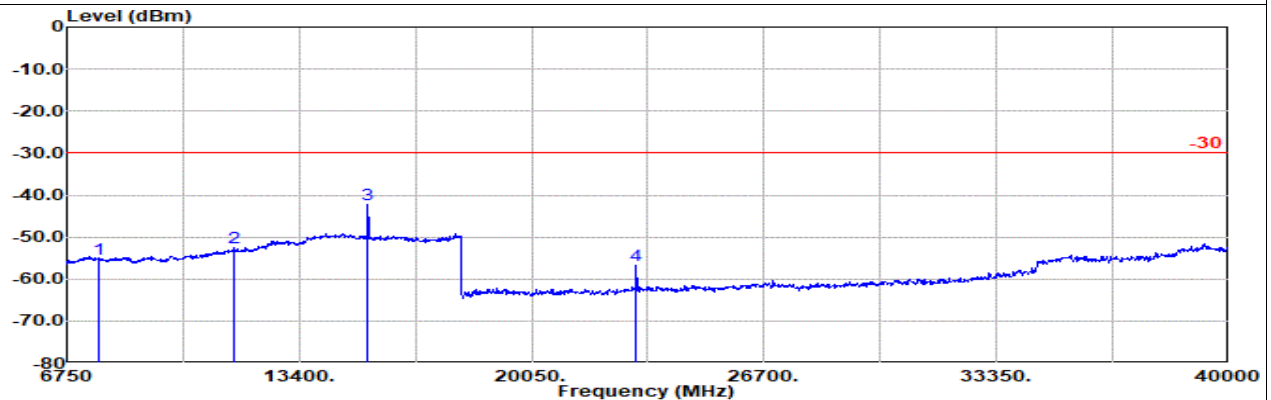
LTE CA n77C 100M + 100M Ch652668 1RB271 QPSK + Ch659332 1RB0 QPSK

M



Site : 03CH21-HY
Condition: -30 1m BBHA9170_1350 Horizontal
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7678.00	-55.19	RMS	36.54	-21.30	1.86	-95.23	22.94	-13.00	-42.19	Horizontal
2	11517.00	-52.64	RMS	38.50	-21.76	1.98	-95.23	23.87	-13.00	-39.64	Horizontal
3	15356.00	-42.80	RMS	40.90	-23.46	2.16	-95.23	32.83	-13.00	-29.80	Horizontal
4	23038.00	-54.32	RMS	39.72	-32.44	-9.54	-95.23	43.17	-30.00	-24.32	Horizontal



Site : 03CH21-HY
Condition: -30 1m BBHA9170_1350 Vertical
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 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	7678.00	-55.36	RMS	36.54	-21.30	1.86	-95.23	22.77	-13.00	-42.36	Vertical
2	11517.00	-52.65	RMS	38.50	-21.76	1.98	-95.23	23.86	-13.00	-39.65	Vertical
3	15356.00	-42.28	RMS	40.90	-23.46	2.16	-95.23	33.35	-13.00	-29.28	Vertical
4	23038.00	-56.68	RMS	39.72	-32.44	-9.54	-95.23	40.81	-30.00	-26.68	Vertical

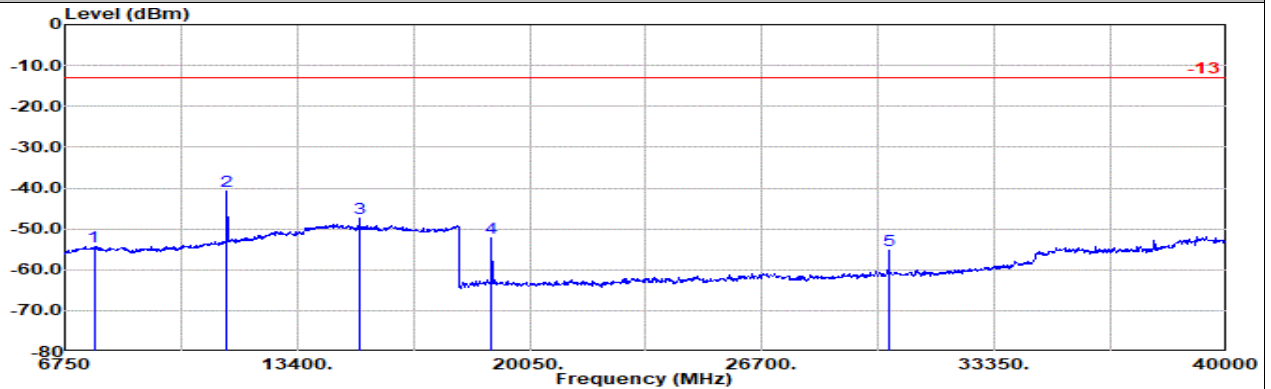


Ant. 1+2

Part 270 Mode 81

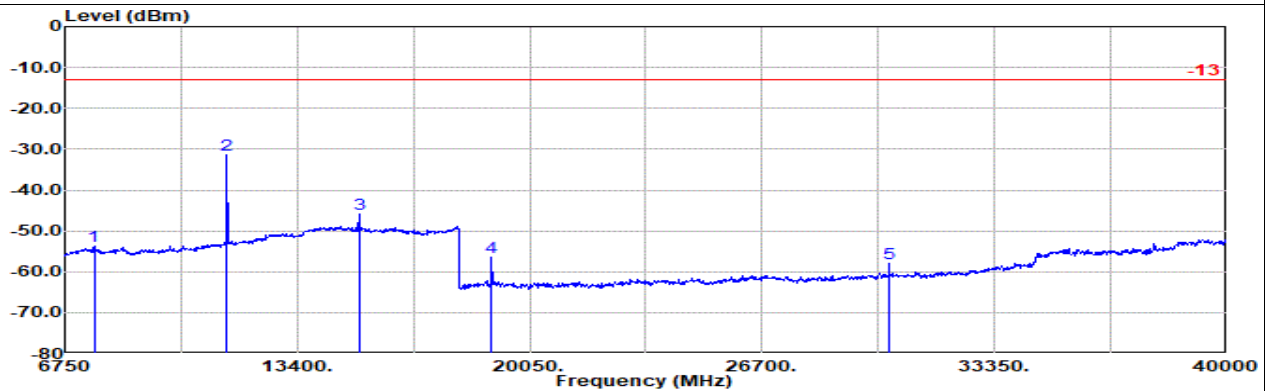
EN-DC B12+n77 10M + 100M Ch23095 1RB0 QPSK + Ch656000 1RB1 BPSK

M



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Horizontal
: LTE B12 10M Ch23095 1RB0 QPSK
: SA n77 100M Ch656000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7583.00	-54.34	RMS	36.60	-21.21	1.95	-95.23	23.55	-13.00	-41.34	Horizontal	
2	11374.00	-40.76	RMS	38.40	-21.74	1.96	-95.23	35.85	-13.00	-27.76	Horizontal	
3	15165.00	-47.42	RMS	41.10	-23.50	2.17	-95.23	28.04	-13.00	-34.42	Horizontal	
4	18968.00	-52.32	RMS	38.90	-38.77	-9.54	-95.23	52.32	-13.00	-39.32	Horizontal	
5	30342.00	-55.21	RMS	41.02	-29.69	-9.54	-95.23	38.23	-13.00	-42.21	Horizontal	



Site : 03CH21-HY
Condition: -13 1m BBHA9170_1350 Vertical
: LTE B12 10M Ch23095 1RB0 QPSK
: SA n77 100M Ch656000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7583.00	-53.84	RMS	36.60	-21.21	1.95	-95.23	24.05	-13.00	-40.84	Vertical	
2	11374.00	-31.32	RMS	38.40	-21.74	1.96	-95.23	45.29	-13.00	-18.32	Vertical	
3	15165.00	-45.80	RMS	41.10	-23.50	2.17	-95.23	29.66	-13.00	-32.80	Vertical	
4	18968.00	-56.43	RMS	38.90	-38.77	-9.54	-95.23	48.21	-13.00	-43.43	Vertical	
5	30342.00	-57.90	RMS	41.02	-29.69	-9.54	-95.23	35.54	-13.00	-44.90	Vertical	

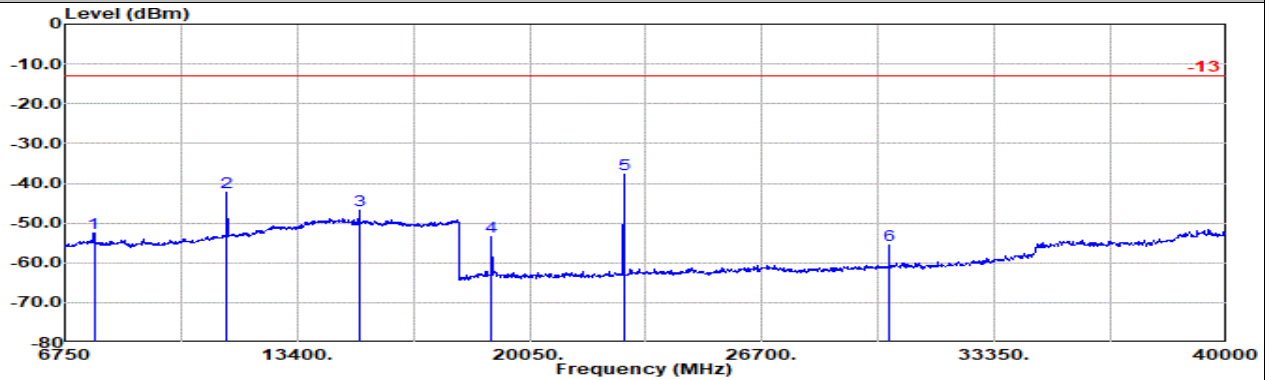


Ant. 3+6

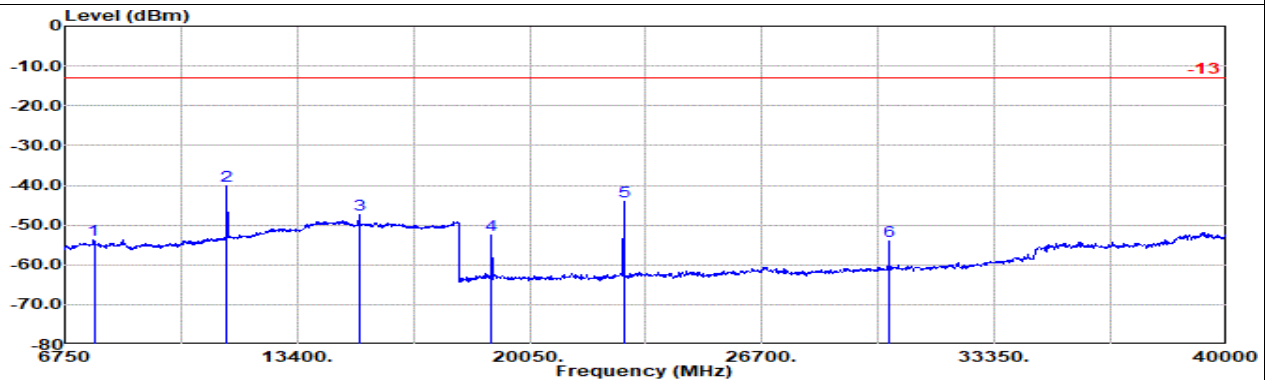
Part 270 Mode 82

EN-DC B41+n77 20M + 100M Ch40620 1RB0 QPSK + Ch656000 1RB1 BPSK

M



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7583.00	-52.45	RMS	36.60	-21.21	1.95	-95.23	25.44	-13.00	-39.45	Horizontal
2	11374.00	-42.16	RMS	38.40	-21.74	1.96	-95.23	34.45	-13.00	-29.16	Horizontal
3	15165.00	-46.84	RMS	41.10	-23.50	2.17	-95.23	28.62	-13.00	-33.84	Horizontal
4	18968.00	-53.52	RMS	38.90	-38.77	-9.54	-95.23	51.12	-13.00	-40.52	Horizontal
5	22752.00	-37.68	RMS	39.51	-32.77	-9.54	-95.23	60.35	-13.00	-24.68	Horizontal
6	30342.00	-55.61	RMS	41.02	-29.69	-9.54	-95.23	37.83	-13.00	-42.61	Horizontal



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7583.00	-53.69	RMS	36.60	-21.21	1.95	-95.23	24.20	-13.00	-40.69	Vertical
2	11374.00	-40.21	RMS	38.40	-21.74	1.96	-95.23	36.40	-13.00	-27.21	Vertical
3	15165.00	-47.36	RMS	41.10	-23.50	2.17	-95.23	28.10	-13.00	-34.36	Vertical
4	18968.00	-52.38	RMS	38.90	-38.77	-9.54	-95.23	52.26	-13.00	-39.38	Vertical
5	22752.00	-44.17	RMS	39.51	-32.77	-9.54	-95.23	53.86	-13.00	-31.17	Vertical
6	30342.00	-54.02	RMS	41.02	-29.69	-9.54	-95.23	39.42	-13.00	-41.02	Vertical

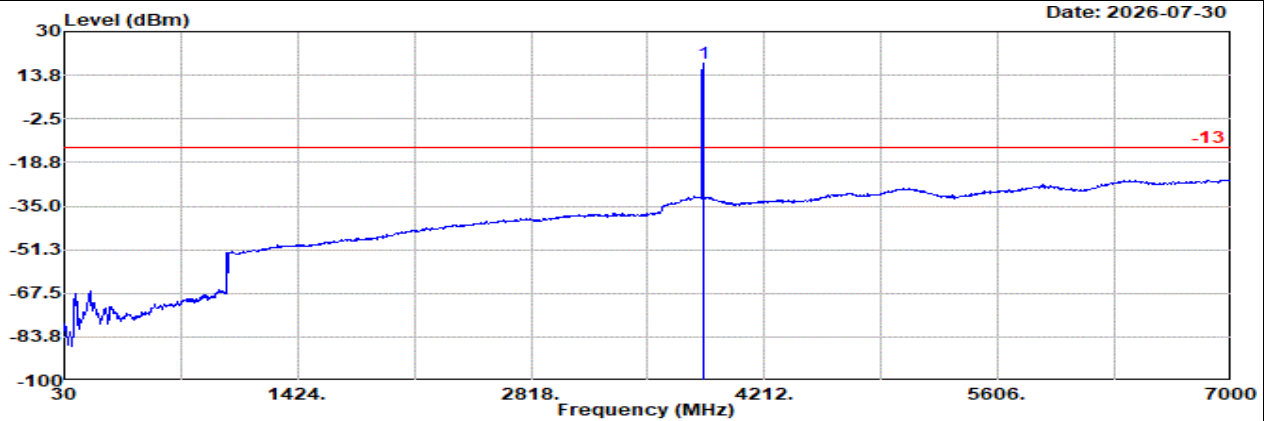


Ant. 4

Part 270 Mode 80

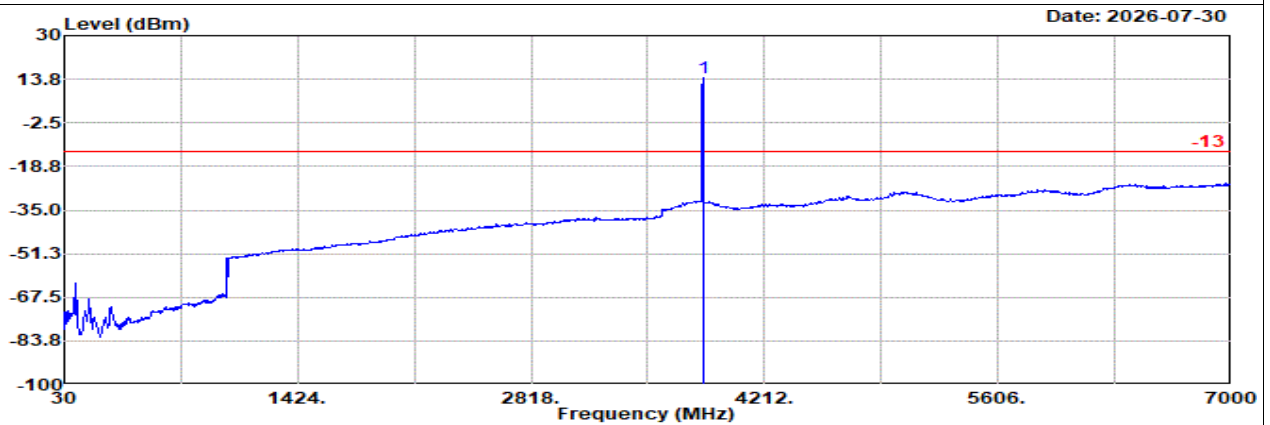
LTE CA n77C 100M + 100M Ch652668 1RB271 QPSK + Ch659332 1RB0 QPSK

M



Site : 03CH21-HY
Condition: -13 3m LF_63303&001_251126 Horizontal
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3844.00	18.31	RMS	30.55	10.96	0.78	-95.23	71.25	-13.00	31.31	Horizontal



Site : 03CH21-HY
Condition: -13 3m LF_63303&001_251126 Vertical
: SA n77C 100M Ch652668 1RB272 QPSK
: SA n77C 100M Ch659332 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3844.00	14.22	RMS	30.55	10.96	0.78	-95.23	67.16	-13.00	27.22	Vertical



Appendix B. Spot Check Verification Data Section

Conclusion:

Conducted power and radiated spurious emission spot-check were performed on the worst-case channel identified for each band in the reference model (FCC ID: IHDT56AW3) to verify the applicability of the referenced conducted test data in accordance with FCC KDB 484596 D01 Referencing Test Data v03.

The spot-check results demonstrate comparable RF performance between the parent device and the variant device, with all observed differences within the acceptance criterion of 3 dB. Therefore, the referenced test data are considered representative of the variant device.

Test Item	Mode	IHDT56AW3 Parent Worst mode Test Result	IHDT56AW5 Variant Check Test Result	Difference	Deviation Limit (dB)
Conducted Power (dBm)	Average Power (dBm)				
	N2 Ant2	23.84	22.87	0.97	3
	N2 Ant3	23.93	23.75	0.18	3
	N5 Ant0	23.57	23.52	0.05	3
	N7 Ant2	23.94	23.56	0.38	3
	N7 Ant3	23.95	23.73	0.22	3
	N12 Ant0	23.87	23.56	0.31	3
	N13 Ant0	23.94	23.47	0.47	3
	N14 Ant0	23.89	23.44	0.45	3
	N25 Ant2	23.89	23.67	0.22	3
	N25 Ant3	23.96	23.83	0.13	3
	N26-H Ant0	23.63	23.59	0.04	3
	N26-L Ant0	23.89	23.85	0.04	3
	N38 Ant2	24.31	23.83	0.48	3
	N38 Ant3	24.33	24.13	0.2	3
	N41 Ant2	25.84	25.75	0.09	3
	N41 Ant3	26.17	26.02	0.15	3



Test Item	Mode	FCC ID: IHDT56AW3 Result	FCC ID: IHDT56AX5 Result	Difference	Deviation Limit (dB)
Conducted ower (dBm)	Average Power (dBm)				
	N66 Ant2	23.85	22.56	1.29	3
	N66 Ant3	23.95	23.66	0.29	3
	N71 Ant0	23.91	23.62	0.29	3
	27O N77 Ant2	26.89	25.02	1.87	3
	27O N77 Ant4	26.98	26.85	0.13	3
	27O N78 Ant2	26.71	24.95	1.76	3
	27O N78 Ant4	26.64	26.55	0.09	3
	27Q N77 Ant2	26.97	25.61	1.36	3
	27Q N77 Ant4	26.98	26.95	0.03	3
	27Q N78 Ant2	26.88	25.56	1.32	3
	27Q N78 Ant4	26.9	26.83	0.07	3
	N2 MIMO A3+A2	26.95	26.85	0.1	3
	N7 MIMO A3+A2	26.94	26.78	0.16	3
	N25 MIMO A3+A2	26.97	26.89	0.08	3
	N41 MIMO A3+A2	27.54	27.25	0.29	3
	N66 MIMO A3+A2	26.9	26.59	0.31	3
	27O N77 MIMO A8+A4	29.07	28.56	0.51	3
	27O N78 MIMO A8+A4	28.77	28.35	0.42	3
	27Q N77 MIMO A8+A4	28.61	28.58	0.03	3
	27Q N78 MIMO A8+A4	28.59	28.43	0.16	3

Test Item	Mode	IHDT56AW3 Parent Worst mode Test Result	IHDT56AW5 Variant Check Test Result	Deviation (dB)	Deviation Limit (dB)
Radiated Spurious Emission	(dBm)				
	SA n13	-29.43	-30.77	1.34	3



Test Items	Remark
Conducted Output Power	Spot Check Evaluation
Effective Radiated Power	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Equivalent Isotropic Radiated Power	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Peak-to-Average Ratio	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Occupied Bandwidth	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Conducted Band Edge Measuremen	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Emission Mask	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Conducted Spurious Emission	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Frequency Stability Temperature & Voltage	Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310K/L/M/S/P/T/N/O)
Radiated Spurious Emission	Spot-Check Test Results for ant 0/1/2 Other Ant Full Test Results (See Appendix A) inter-band CA Please refer to FCC ID: IHDT56AW3 (Sporton Test Report FG5N1310U)



Appendix C. Original Report