



FCC RADIO TEST REPORT

FCC ID : LHJ-FE5NA0010
Equipment : FE5NA0010, FE5NA0011
Brand Name : Continental
Model Name : FE5NA0010, FE5NA0011
Applicant : Continental Automotive Systems, Inc.
21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Manufacturer : Continental Automotive Systems, Inc.
21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Mar. 20, 2022 and testing was performed from Jan. 17, 2023 to Nov. 22, 2023. 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 given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this variant 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.)



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 Product Specification of Equipment Under Test.....	7
1.3 Modification of EUT	8
1.4 Testing Location	9
1.5 Applicable Standards.....	10
2 Test Configuration of Equipment Under Test	11
2.1 Test Mode.....	11
2.2 Connection Diagram of Test System.....	11
2.3 Support Unit used in test configuration and system	12
2.4 Frequency List of Low/Middle/High Channels	12
3 Conducted Test Items.....	16
3.1 Measuring Instruments	16
3.2 Conducted Output Power and ERP/EIRP	17
4 Radiated Test Items	18
4.1 Measuring Instruments	18
4.2 Radiated Spurious Emission Measurement	20
5 List of Measuring Equipment.....	21
6 Measurement Uncertainty	23
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FG2N2201-06C	01	Initial issue of report	Jan. 08, 2024



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(5)	Effective Radiated Power (n5)	Pass	
	§27.50 (c)(10)	Effective Radiated Power (n71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (n2) (n25) (n41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
	§27.50 (j)(3)	Equivalent Isotropic Radiated Power (n77)		
-	§24.232 (d) §27.50 (d)(5) §27.50 (j)(4)	Peak-to-Average Ratio	Not Required	-
-	§2.1049	Occupied Bandwidth	Not Required	-
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53 (l)(2)	Conducted Band Edge Measurement (n2) (n5) (n25) (n66) (n71)(n77)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (n41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53 (l)(2)	Conducted Spurious Emission (n2) (n5) (n25) (n66) (n71) (n77)	Not Required	-
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (n41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	Not Required	-



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (g) §27.53 (h) §27.53 (l)(2)	Radiated Spurious Emission (n2) (n5) (n25) (n66) (n71) (n77)	Pass	14.49 dB under the limit at 10336.00 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (n41)		

Remark:

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report by adding external antenna (Model: 42808214, 42808215, 42808227). All the test cases were performed on original report which can be referred to Sporton Report Number FG2N2201-03C and FG2N2201-03E. Based on the original report, only worst case was verified.
3. The FG2N2201-06C report reuses Conducted output power from the FG2N2201C and FG2N2201E report.
4. The difference of the external antennas is that the antenna 42808214 and 42808215 are for TCU variant with L1/L5, and antenna 42808227 is for TCU with L1 only. Since the gain value and type are the same, the test result only performed with antenna 42808215. Antenna 42808214 and 42808215, only the color is different.

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/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

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

Reviewed by: Yun Huang

Report Producer: Lucy Wu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	FE5NA0010, FE5NA0011
Brand Name	Continental
Model Name	FE5NA0010, FE5NA0011
FCC ID	LHJ-FE5NA0010
Installed into the Host	Equipment name: G12N510G1, G12N500G1 Brand name: Continental Model name: G12N510G1, G12N500G1
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS
EUT Stage	Identical Prototype

Sample Information			
Sample	TA-code	L2/L5 GNSS	Band Difference
1	FE5NA0010	Support	/
2	FE5NA0011	Not Support	BOM change: depopulated passive components from the GNSS RF front-end

Remark: The above EUT's information was declared by manufacturer.

Support Band and Evaluated Information	
Supported Band	n2, n5, ,n25, n41, n66, n71, n77
Supported Band	n2, n5, ,n25, n41, n66, n71, n77

TDD Band Power Class		
	PC3	PC2
n2	V	
n5	V	
n25	V	
n41		V
n41(MIMO)	V	
n66	V	
n71	V	
n77		V
n77(MIMO)	V	



1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	5G NR n2: 1852.5 MHz ~ 1907.5 MHz 5G NR n5: 826.5 MHz ~ 846.5 MHz 5G NR n25: 1852.5 MHz ~ 1912.5 MHz 5G NR n41: 2506.02 MHz ~ 2679.99 MHz 5G NR n66: 1712.5 MHz ~ 1777.5 MHz 5G NR n71: 665.5 MHz ~ 695.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz
Rx Frequency	5G NR n2: 1932.5 MHz ~ 1987.5 MHz 5G NR n5: 871.5 MHz ~ 891.5 MHz 5G NR n25: 1932.5 MHz ~ 1992.5 MHz 5G NR n41: 2506.02 MHz ~ 2679.99 MHz 5G NR n66: 2112.5 MHz ~ 2197.5 MHz 5G NR n71: 619.5 MHz ~ 649.5 MHz 5G NR n77: 3710.01 MHz ~ 3969.99 MHz
Bandwidth	5G NR n2: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n5: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n25: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n41: 10MHz / 15MHz / 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 80MHz / 90MHz / 100MHz 5G NR n66: 5MHz / 10MHz / 15MHz / 20MHz / 25MHz / 30MHz / 40MHz 5G NR n71: 5MHz / 10MHz / 15MHz / 20MHz 5G NR n77: 20MHz / 30MHz / 40MHz / 50MHz / 60MHz / 70MHz / 80MHz / 90MHz / 100MHz
Maximum Output Power to Antenna	5G NR n2: 23.01 dBm 5G NR n5: 23.25 dBm 5G NR n25: 23.24 dBm 5G NR n41: 25.41 dBm 5G NR n41: 21.52 dBm for MIMO 5G NR n66: 22.76 dBm 5G NR n71: 23.13 dBm 5G NR n77: 25.81 dBm_HPUE 5G NR n77: 21.11 dBm for MIMO Mode
Antenna Type	<External (Model: 42808214/42808215/42808227)>: external sharkfin antenna, 12 OnStar Sharkfin Antenna + XM + Dual GNSS +5G



Product Specification is subject to this standard	
Antenna Gain	<p><External (Model: 42808214/42808215/42808227)>:</p> <p>Primary cell antenna: 5G NR n2: 6.7 dBi 5G NR n5: 1.7 dBi 5G NR n25: 6.7 dBi 5G NR n41: 3.2 dBi 5G NR n66: 3.9 dBi 5G NR n71: -2.0 dBi 5G NR n77: 2.2 dBi</p> <p>Secondary cell antenna: 5G NR n41: 2.8 dBi 5G NR n77: 3.5 dBi</p>
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. For 5G NR n41 and 5G NR n77, Primary cell antenna is only available in MIMO mode.

1.3 Modification of EUT

No modifications made to the EUT during the testing.



1.4 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	Cotty Hsu and Luffy Lin
Temperature (°C)	22.1~22.8
Relative Humidity (%)	53~55

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. 03CH12-HY (TAF Code:3786)
Test Engineer	Bill Chang, Tim Lee and Wilson Wu
Temperature (°C)	20~25
Relative Humidity (%)	50~60
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

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

FCC Designation No.: TW1190 and TW3786



1.5 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
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27
- ♦ 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 662911 D01 Multiple Transmitter Output v02r01.

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.

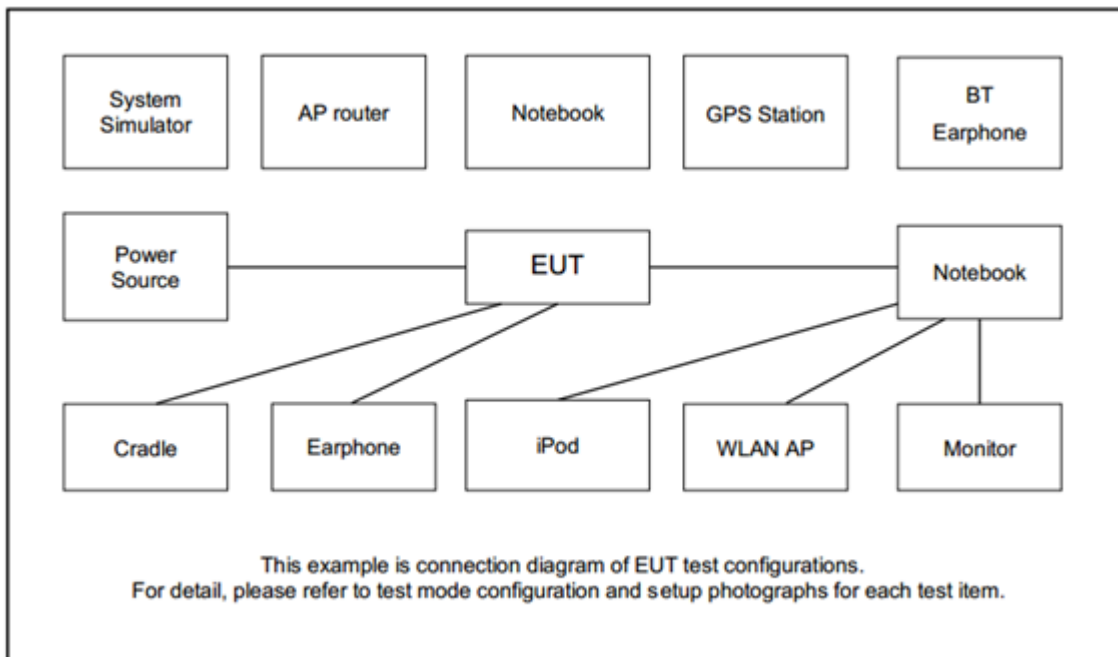
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	All	1, Half, Full	L, M, H
RSE	A	40 MHz or less	Inner_1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. For 5G NR test combination are EN-DC 2A_n5A, EN-DC 14A_n2A, EN-DC 5A_n66A and EN-DC 2A_n77A.
4. All the radiated test cases were performed with Sample 1.

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.	WWAN Antenna	Continental	42808215	N/A	N/A	N/A
2.	Metal Plate	N/A	N/A	N/A	N/A	Unshielded, 1.8 m
3.	Adapter	TePoo	PT-WC-03	N/A	N/A	N/A
4.	Teddy Jr Load Box	Continental	N/A	N/A	N/A	N/A
5.	DC Power Supply	GW Instek	GPE-2323	N/A	N/A	N/A
6.	System Simulator	Anritsu	MT8821C	N/A	N/A	N/A
7.	System Simulator	Anritsu	MT8000A	N/A	N/A	N/A

2.4 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 n25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
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 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
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



5G NR n66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
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 Channel and Frequency List for SCS 30kHz				
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
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99

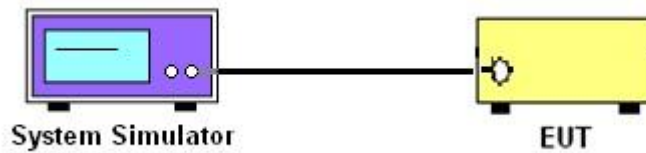
3 Conducted Test Items

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 5G NR n5

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n71

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

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

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.
5. The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

4 Radiated Test Items

4.1 Measuring Instruments

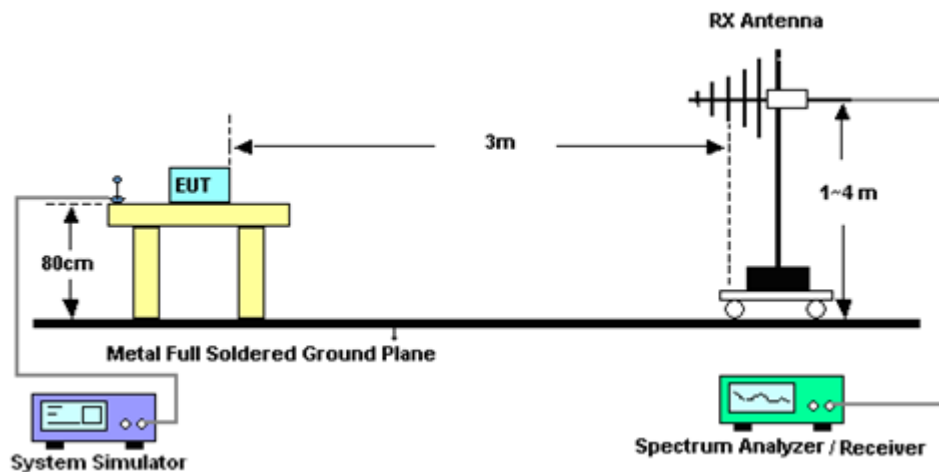
See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test below 30MHz



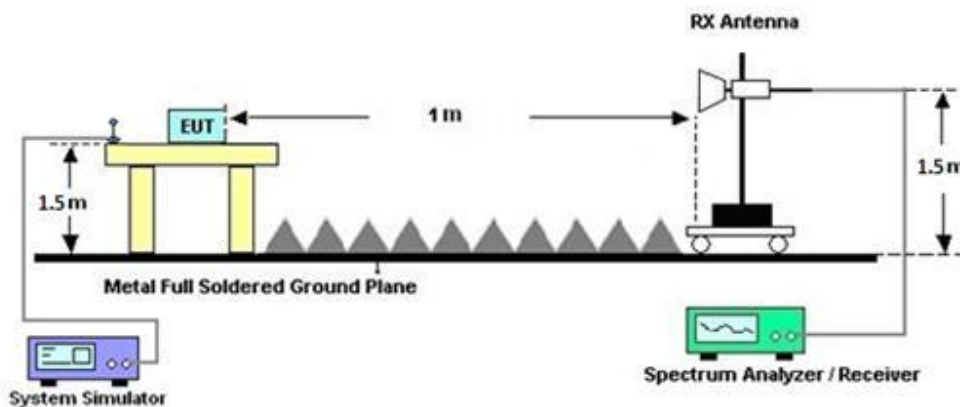
For radiated test from 30MHz to 1GHz



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 / TIA-603-E. 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 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.

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.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For 5G NR n41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 28, 2023	Nov. 10, 2023~ Nov. 22, 2023	Feb. 27, 2024	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Nov. 10, 2023~ Nov. 22, 2023	Nov. 02, 2024	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 23, 2023	Nov. 10, 2023~ Nov. 22, 2023	Apr. 22, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1328	1GHz~18GHz	Dec. 15, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 14, 2023	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 31, 2023	Nov. 10, 2023~ Nov. 22, 2023	Jul. 30, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	1224	18GHz~40GHz	Jul. 10, 2023	Nov. 10, 2023~ Nov. 22, 2023	Jul. 09, 2024	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA9170	00993	18GHz~40GHz	Nov. 24, 2022	Nov. 10, 2023~ Nov. 22, 2023	Nov. 23, 2023	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103A	161075	10MHz~1GHz	Mar. 21, 2023	Nov. 10, 2023~ Nov. 22, 2023	Mar. 20, 2024	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 23, 2023	Nov. 10, 2023~ Nov. 22, 2023	May 22, 2024	Radiation (03CH12-HY)
Preamplifier	E-INSTRUME NT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 21, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 20, 2023	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 06, 2023	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2023	Nov. 10, 2023~ Nov. 22, 2023	Jan. 09, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN12	1GHz High Pass Filter	Nov. 02, 2023	Nov. 10, 2023~ Nov. 22, 2023	Nov. 01, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Mar. 14, 2023	Nov. 10, 2023~ Nov. 22, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN2	6.75GHz High Pass Filter	Mar. 14, 2023	Nov. 10, 2023~ Nov. 22, 2023	Mar. 13, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Nov. 10, 2023~ Nov. 22, 2023	Mar. 06, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 20, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 20, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 20, 2022	Nov. 10, 2023~ Nov. 22, 2023	Dec. 19, 2023	Radiation (03CH12-HY)
Hygrometer	TECEPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Nov. 10, 2023~ Nov. 22, 2023	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 10, 2023~ Nov. 22, 2023	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 10, 2023~ Nov. 22, 2023	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 10, 2023~ Nov. 22, 2023	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Nov. 10, 2023~ Nov. 22, 2023	N/A	Radiation (03CH12-HY)



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. 13, 2022	Jan. 17, 2023~ Mar. 23, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Thermal Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 07, 2022	Jan. 17, 2023~ Mar. 23, 2023	Sep. 06, 2023	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Dec. 29, 2022	Jan. 17, 2023~ Mar. 23, 2023	Dec. 28, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Jan. 17, 2023~ Mar. 23, 2023	Jan. 05, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262134933	FR1	Jun. 13, 2022	Jan. 17, 2023~ Mar. 23, 2023	Jun. 12, 2023	Conducted (TH03-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.07 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.63 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.14 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<SISO Mode>

NR n2 Maximum Average Power [dBm] (GT - LC = 6.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
5	1	1	PI/2 BPSK	22.76	22.76	22.75	29.56	0.9036		
5	1	23		22.75	22.65	22.72				
5	12	6		22.86	22.80	22.75				
5	1	0		22.18	22.18	22.23				
5	1	24		22.21	22.13	22.21				
5	25	0		22.24	22.18	22.28				
5	1	1	QPSK	22.57	22.65	22.61			29.56	0.9036
5	1	23		22.68	22.59	22.69				
5	12	6		22.67	22.71	22.49				
5	1	0		22.61	22.62	22.65				
5	1	24		22.61	22.56	22.69				
5	25	0		21.76	21.68	21.73				
5	1	1	16-QAM	21.66	21.72	21.73	28.43	0.6966		
5	1	1	64-QAM	20.08	20.06	20.06				
5	1	1	256-QAM	17.79	17.72	17.68				
Limit	EIRP < 2W			Result			Pass			

NR n2 Maximum Average Power [dBm] (GT - LC = 6.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
10	1	1	PI/2 BPSK	21.95	22.87	22.65	29.65	0.9226		
10	1	50		22.34	22.73	22.77				
10	25	12		22.83	22.84	22.95				
10	1	0		21.33	22.26	22.27				
10	1	51		21.76	22.13	22.32				
10	50	0		22.26	22.18	22.32				
10	1	1	QPSK	22.82	22.75	22.61			29.65	0.9226
10	1	50		22.93	22.61	22.72				
10	25	12		22.83	22.72	22.85				
10	1	0		22.79	22.78	22.65				
10	1	51		22.95	22.62	22.69				
10	50	0		21.83	21.68	21.75				
10	1	1	16-QAM	20.84	21.79	21.56	28.49	0.7063		
10	1	1	64-QAM	20.54	20.27	20.01				
10	1	1	256-QAM	17.88	17.75	17.73				
Limit	EIRP < 2W			Result			Pass			



NR n2 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.95	22.69	22.75	29.71	0.9354
15	1	77		23.01	22.68	22.68		
15	36	18		22.90	22.75	22.72		
15	1	0		22.32	22.23	22.15		
15	1	78		22.45	22.12	22.24		
15	75	0		22.38	22.17	22.15		
15	1	1	QPSK	22.79	22.65	22.68		
15	1	77		22.98	22.49	22.78		
15	36	18		22.89	22.67	22.68		
15	1	0		22.68	22.65	22.54		
15	1	78		22.84	22.52	22.72		
15	75	0		21.95	21.76	21.68		
15	1	1	16-QAM	21.92	21.83	21.65	28.62	0.7278
15	1	1	64-QAM	20.23	20.21	20.34		
15	1	1	256-QAM	17.94	17.75	17.73		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.96	22.83	22.78	29.71	0.9354
20	1	104		22.99	22.73	22.82		
20	50	25		23.01	22.76	22.74		
20	1	0		22.32	22.51	22.12		
20	1	105		22.52	22.30	22.34		
20	100	0		22.43	22.32	22.24		
20	1	1	QPSK	22.76	22.79	22.67		
20	1	104		22.83	22.58	22.68		
20	50	25		22.95	22.76	22.77		
20	1	0		22.75	22.76	22.49		
20	1	105		22.80	22.52	22.75		
20	100	0		21.93	21.77	21.75		
20	1	1	16-QAM	21.73	22.02	21.75	28.72	0.7447
20	1	1	64-QAM	20.32	20.19	20.19		
20	1	1	256-QAM	18.05	17.92	17.78		
Limit	EIRP < 2W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	23.10	23.02	23.02	22.70	0.1862
5	1	23		22.93	22.92	22.92		
5	12	6		23.15	23.04	22.92		
5	1	0		22.47	22.44	22.45		
5	1	24		22.47	22.36	22.28		
5	25	0		22.55	22.48	22.45		
5	1	1	QPSK	22.92	22.87	22.98		
5	1	23		22.89	22.75	22.82		
5	12	6		23.06	22.99	22.93		
5	1	0		22.92	22.89	22.80		
5	1	24		22.88	22.75	22.41		
5	25	0		22.01	22.06	21.98		
5	1	1	16-QAM	22.05	22.01	21.89	21.60	0.1445
5	1	1	64-QAM	20.48	20.54	20.69		
5	1	1	256-QAM	18.12	18.46	18.06		
Limit	ERP < 7W			Result			Pass	

NR n5 Maximum Average Power [dBm] (GT - LC = 1.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	22.88	23.05	22.78	22.76	0.1888
10	1	50		23.02	22.92	22.77		
10	25	12		23.21	23.01	22.76		
10	1	0		22.42	22.48	22.42		
10	1	51		22.57	22.54	22.25		
10	50	0		22.52	22.56	22.44		
10	1	1	QPSK	22.80	22.97	22.83		
10	1	50		22.93	22.86	22.76		
10	25	12		23.01	23.04	22.92		
10	1	0		22.87	22.98	22.80		
10	1	51		22.90	22.85	22.83		
10	50	0		21.98	22.05	21.85		
10	1	1	16-QAM	21.86	21.98	21.80	21.53	0.1422
10	1	1	64-QAM	20.32	20.47	20.34		
10	1	1	256-QAM	18.06	18.03	18.01		
Limit	ERP < 7W			Result			Pass	



NR n5 Maximum Average Power [dBm] (GT - LC = 1.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
15	1	1	PI/2 BPSK	23.05	23.07	23.11	22.66	0.1845		
15	1	77		22.97	22.98	22.87				
15	36	18		23.09	23.06	22.98				
15	1	0		22.52	22.45	22.54				
15	1	78		22.54	22.35	22.32				
15	75	0		22.53	22.47	22.46				
15	1	1	QPSK	23.07	22.98	23.01			21.71	0.1483
15	1	77		23.03	22.95	22.85				
15	36	18		23.01	23.05	22.96				
15	1	0		23.04	22.94	22.89				
15	1	78		22.91	22.86	22.76				
15	75	0		22.06	22.02	21.87				
15	1	1	16-QAM	21.89	22.16	22.07	21.71	0.1483		
15	1	1	64-QAM	20.67	20.51	20.44				
15	1	1	256-QAM	18.08	18.19	18.21				
Limit	ERP < 7W			Result			Pass			

NR n5 Maximum Average Power [dBm] (GT - LC = 1.7 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)		
20	1	1	PI/2 BPSK	22.99	23.09	22.95	22.80	0.1905		
20	1	104		22.81	22.85	22.76				
20	50	25		23.25	23.20	23.12				
20	1	0		22.57	22.49	22.54				
20	1	105		22.43	22.48	22.14				
20	100	0		22.56	22.51	22.47				
20	1	1	QPSK	22.98	23.02	22.98			21.64	0.1459
20	1	104		22.84	22.75	22.75				
20	50	25		23.11	23.05	23.04				
20	1	0		22.86	22.99	22.97				
20	1	105		22.85	22.73	22.64				
20	100	0		22.03	22.01	21.98				
20	1	1	16-QAM	21.98	22.09	22.03	21.64	0.1459		
20	1	1	64-QAM	20.37	20.57	20.42				
20	1	1	256-QAM	18.12	18.15	18.16				
Limit	ERP < 7W			Result			Pass			



NR n25 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.03	22.60	22.81	29.77	0.9484
5	1	23		22.93	22.72	22.11		
5	12	6		23.07	22.75	22.27		
5	1	0		22.46	22.08	22.26		
5	1	24		22.44	22.21	21.58		
5	25	0		22.55	22.15	22.01		
5	1	1	QPSK	23.02	22.65	22.55		
5	1	23		23.04	22.73	22.06		
5	12	6		22.95	22.65	22.59		
5	1	0		22.03	21.58	21.63		
5	1	24		22.02	21.75	21.01		
5	25	0		22.03	21.59	21.72		
5	1	1	16-QAM	21.93	21.62	21.54	28.63	0.7295
5	1	1	64-QAM	20.58	20.35	20.21		
5	1	1	256-QAM	17.98	17.54	17.58		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.18	22.72	22.85	29.88	0.9727
10	1	50		23.03	22.73	21.94		
10	25	12		23.12	22.65	22.93		
10	1	0		22.63	22.26	22.35		
10	1	51		22.46	22.21	21.39		
10	50	0		22.52	22.24	22.01		
10	1	1	QPSK	23.05	22.68	22.89		
10	1	50		23.01	22.69	21.86		
10	25	12		23.15	22.66	22.89		
10	1	0		22.07	21.65	21.85		
10	1	51		21.98	21.75	21.72		
10	50	0		22.13	21.65	22.88		
10	1	1	16-QAM	22.12	21.74	21.86	28.82	0.7621
10	1	1	64-QAM	20.85	20.35	20.51		
10	1	1	256-QAM	18.09	17.58	17.84		
Limit	EIRP < 2W			Result			Pass	



NR n25 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.24	22.93	22.85	29.94	0.9863
15	1	77		23.02	22.73	22.35		
15	36	18		23.18	22.81	22.89		
15	1	0		22.75	22.35	22.26		
15	1	78		22.52	22.16	21.86		
15	75	0		22.63	22.23	21.54		
15	1	1	QPSK	23.15	22.91	22.65		
15	1	77		23.06	22.69	22.24		
15	36	18		23.18	22.79	22.81		
15	1	0		22.19	21.85	21.85		
15	1	78		22.05	21.82	21.80		
15	75	0		22.35	21.77	21.69		
15	1	1	16-QAM	22.24	21.98	21.64	28.94	0.7834
15	1	1	64-QAM	20.86	20.59	20.45		
15	1	1	256-QAM	18.18	17.85	17.68		
Limit	EIRP < 2W			Result			Pass	

NR n25 Maximum Average Power [dBm] (GT - LC = 6.7 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.94	22.57	22.86	29.94	0.9863
20	1	104		22.60	22.32	22.08		
20	50	25		22.86	22.83	22.76		
20	1	0		22.78	22.76	22.29		
20	1	105		22.54	22.28	21.56		
20	100	0		22.49	22.54	22.10		
20	1	1	QPSK	23.24	22.98	22.84		
20	1	104		22.81	22.51	22.12		
20	50	25		22.12	22.68	22.82		
20	1	0		22.27	22.01	21.84		
20	1	105		21.93	21.47	21.59		
20	100	0		22.15	21.75	21.68		
20	1	1	16-QAM	21.96	21.95	21.77	28.66	0.7345
20	1	1	64-QAM	21.01	20.45	20.48		
20	1	1	256-QAM	18.12	17.87	17.43		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.98	25.06	24.72	27.89	0.6152
20	1	49		24.97	24.92	24.75		
20	25	12		25.05	24.97	24.78		
20	1	0		21.53	21.54	21.23		
20	1	50		21.54	21.44	21.14		
20	50	0		24.56	24.47	24.28		
20	1	1	QPSK	25.09	25.07	24.71		
20	1	49		25.03	24.97	24.68		
20	25	12		25.01	24.96	24.76		
20	1	0		21.47	21.52	21.19		
20	1	50		21.49	21.43	21.15		
20	50	0		24.12	23.96	23.77		
20	1	1	16-QAM	23.95	23.87	23.91	26.75	0.4732
20	1	1	64-QAM	22.63	22.67	22.57		
20	1	1	256-QAM	20.45	20.47	20.25		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	25.15	25.08	25.11	28.12	0.6486
30	1	76		25.27	25.12	24.94		
30	36	18		25.24	25.03	24.84		
30	1	0		21.64	21.65	21.62		
30	1	77		21.79	21.62	21.54		
30	75	0		24.76	24.62	24.53		
30	1	1	QPSK	25.21	25.10	25.14		
30	1	76		25.32	25.13	24.95		
30	36	18		25.21	25.04	24.88		
30	1	0		21.69	21.62	21.62		
30	1	77		21.84	21.63	21.47		
30	75	0		24.29	24.13	23.92		
30	1	1	16-QAM	24.01	23.96	24.05	26.85	0.4842
30	1	1	64-QAM	22.81	22.67	22.75		
30	1	1	256-QAM	20.68	20.57	20.52		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	25.14	25.16	25.08	28.07	0.6412
40	1	104		25.27	25.17	24.83		
40	50	25		25.19	24.97	24.88		
40	1	0		21.68	21.75	21.63		
40	1	105		21.73	21.62	21.36		
40	100	0		24.71	24.58	24.44		
40	1	1	QPSK	25.08	25.18	25.13		
40	1	104		25.21	25.13	24.81		
40	50	25		25.16	24.95	24.86		
40	1	0		21.58	21.66	21.67		
40	1	105		21.75	21.65	21.46		
40	100	0		24.22	24.07	23.92		
40	1	1	16-QAM	24.01	24.09	24.02	26.89	0.4887
40	1	1	64-QAM	22.74	22.87	22.74		
40	1	1	256-QAM	20.61	20.62	20.42		
Limit	EIRP < 2W			Result			Pass	

NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
50	1	1	PI/2 BPSK	25.13	25.07	25.02	28.04	0.6368
50	1	131		25.21	25.16	24.70		
50	64	32		25.12	24.97	24.81		
50	1	0		21.61	21.59	21.60		
50	1	132		21.73	21.60	21.25		
50	128	0		24.58	24.49	24.39		
50	1	1	QPSK	25.11	25.08	25.04		
50	1	131		25.24	25.11	24.72		
50	64	32		25.09	24.96	24.82		
50	1	0		21.61	21.59	21.54		
50	1	132		21.75	21.59	21.23		
50	128	0		24.12	23.96	23.87		
50	1	1	16-QAM	23.91	23.94	23.93	26.74	0.4721
50	1	1	64-QAM	22.67	22.65	22.64		
50	1	1	256-QAM	20.49	20.64	20.49		
Limit	EIRP < 2W			Result			Pass	



NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	24.95	25.20	25.03	28.01	0.6324		
60	1	160		25.03	25.07	24.61				
60	81	40		25.11	24.92	24.73				
60	1	0		21.49	21.65	21.53				
60	1	161		21.56	21.55	21.15				
60	162	0		24.61	24.48	24.38				
60	1	1	QPSK	24.98	25.21	25.02			28.01	0.6324
60	1	160		25.02	25.09	24.62				
60	81	40		24.97	24.91	24.71				
60	1	0		21.45	21.55	21.53				
60	1	161		21.53	21.57	21.07				
60	162	0		24.12	23.96	23.80				
60	1	1	16-QAM	23.82	24.06	23.83	26.86	0.4853		
60	1	1	64-QAM	22.65	22.77	22.58				
60	1	1	256-QAM	20.48	20.59	20.45				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
80	1	1	PI/2 BPSK	25.13	25.24	25.03	28.06	0.6397		
80	1	215		24.75	25.12	24.67				
80	108	54		25.15	25.03	25.01				
80	1	0		21.58	21.75	21.53				
80	1	216		21.21	21.69	21.18				
80	216	0		24.59	24.62	24.51				
80	1	1	QPSK	25.11	25.26	25.06			28.06	0.6397
80	1	215		24.72	25.15	24.68				
80	108	54		25.08	25.02	24.93				
80	1	0		21.58	21.80	21.52				
80	1	216		21.18	21.66	21.19				
80	216	0		24.09	24.08	24.02				
80	1	1	16-QAM	23.91	24.26	23.86	27.06	0.5082		
80	1	1	64-QAM	22.65	22.87	22.62				
80	1	1	256-QAM	20.54	20.72	20.48				
Limit	EIRP < 2W			Result			Pass			



NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
90	1	1	PI/2 BPSK	25.06	25.34	24.96	28.14	0.6516		
90	1	243		24.67	25.10	24.79				
90	120	60		25.24	24.99	25.06				
90	1	0		21.61	21.83	21.46				
90	1	244		21.19	21.68	21.28				
90	240	0		24.65	24.62	24.59				
90	1	1	QPSK	25.18	25.29	25.05			28.14	0.6516
90	1	243		24.72	25.18	24.81				
90	120	60		25.11	25.04	25.01				
90	1	0		21.65	21.84	21.51				
90	1	244		21.24	21.68	21.27				
90	240	0		24.09	24.21	24.06				
90	1	1	16-QAM	23.96	24.24	23.94	27.04	0.5058		
90	1	1	64-QAM	22.76	22.92	22.68				
90	1	1	256-QAM	20.59	20.85	20.49				
Limit	EIRP < 2W			Result			Pass			

NR n41 Maximum Average Power [dBm] (GT - LC = 2.8 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
100	1	1	PI/2 BPSK	25.05	25.25	25.02	28.21	0.6622		
100	1	271		24.54	25.12	24.83				
100	135	67		25.05	24.99	25.01				
100	1	0		21.59	21.98	21.52				
100	1	272		21.12	21.65	21.25				
100	270	0		24.41	24.63	24.56				
100	1	1	QPSK	25.12	25.41	24.97			28.21	0.6622
100	1	271		24.61	25.13	24.79				
100	135	67		25.01	24.99	25.06				
100	1	0		21.63	21.85	21.46				
100	1	272		21.06	21.54	21.28				
100	270	0		24.01	24.12	24.02				
100	1	1	16-QAM	23.95	24.17	23.85	26.97	0.4977		
100	1	1	64-QAM	22.67	22.92	22.52				
100	1	1	256-QAM	20.56	20.82	20.38				
Limit	EIRP < 2W			Result			Pass			



NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	22.53	22.54	22.26	26.50	0.4467
5	1	23		22.35	22.55	22.19		
5	12	6		22.49	22.60	22.38		
5	1	0		21.88	21.95	21.72		
5	1	24		21.87	21.88	21.70		
5	25	0		21.98	21.94	21.72		
5	1	1	QPSK	22.42	22.32	22.19		
5	1	23		22.37	22.36	22.17		
5	12	6		22.51	22.50	22.32		
5	1	0		22.34	22.33	22.19		
5	1	24		22.35	22.36	22.21		
5	25	0		21.46	21.46	21.27		
5	1	1	16-QAM	21.43	21.34	21.32	25.33	0.3412
5	1	1	64-QAM	19.95	19.87	19.75		
5	1	1	256-QAM	17.64	17.53	17.47		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	22.63	22.52	22.37	26.61	0.4581
10	1	50		22.54	22.48	22.29		
10	25	12		22.71	22.49	22.36		
10	1	0		22.14	21.90	21.94		
10	1	51		21.91	21.97	21.75		
10	50	0		22.03	22.01	21.91		
10	1	1	QPSK	22.54	22.38	22.30		
10	1	50		22.47	22.39	22.25		
10	25	12		22.52	22.59	22.36		
10	1	0		22.49	22.35	22.35		
10	1	51		22.44	22.37	22.24		
10	50	0		21.53	21.53	21.38		
10	1	1	16-QAM	21.54	21.47	21.48	25.44	0.3499
10	1	1	64-QAM	20.09	19.94	19.92		
10	1	1	256-QAM	17.76	17.65	17.56		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	22.61	22.64	22.45	26.54	0.4508
15	1	77		22.53	22.49	22.18		
15	36	18		22.50	22.55	22.29		
15	1	0		21.95	22.02	21.87		
15	1	78		22.03	21.94	21.66		
15	75	0		22.12	21.99	21.86		
15	1	1	QPSK	22.45	22.49	22.44		
15	1	77		22.55	22.56	22.16		
15	36	18		22.52	22.47	22.31		
15	1	0		22.16	22.53	22.35		
15	1	78		22.50	22.41	22.12		
15	75	0		21.54	21.55	21.37		
15	1	1	16-QAM	21.46	21.63	21.42	25.53	0.3573
15	1	1	64-QAM	20.06	20.14	19.95		
15	1	1	256-QAM	17.74	17.79	17.63		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	22.48	22.51	22.47	26.54	0.4508
20	1	104		22.54	22.36	22.19		
20	50	25		22.64	22.52	22.54		
20	1	0		22.15	22.01	21.88		
20	1	105		22.06	21.97	21.83		
20	100	0		22.08	22.04	21.87		
20	1	1	QPSK	22.56	22.58	22.35		
20	1	104		22.41	22.41	22.25		
20	50	25		22.59	22.53	22.38		
20	1	0		22.54	22.46	22.34		
20	1	105		22.49	22.36	22.14		
20	100	0		21.56	21.51	21.43		
20	1	1	16-QAM	21.56	21.53	21.35	25.46	0.3516
20	1	1	64-QAM	20.06	20.02	19.96		
20	1	1	256-QAM	17.75	17.76	17.61		
Limit	EIRP < 1W			Result			Pass	



NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
30	1	1	PI/2 BPSK	22.76	22.66	22.52	26.66	0.4634		
30	1	158		22.71	22.63	22.36				
30	80	40		22.65	22.63	22.73				
30	1	0		22.14	22.24	22.18				
30	1	159		22.17	22.22	21.93				
30	160	0		22.14	22.18	22.05				
30	1	1	QPSK	22.75	22.65	22.63			25.64	0.3664
30	1	158		22.62	22.68	22.28				
30	80	40		22.56	22.59	22.55				
30	1	0		22.74	22.56	22.66				
30	1	159		22.62	22.68	22.45				
30	160	0		21.71	21.64	21.64				
30	1	1	16-QAM	21.74	21.73	21.49	25.64	0.3664		
30	1	1	64-QAM	20.18	20.13	20.05				
30	1	1	256-QAM	17.95	17.84	17.84				
Limit	EIRP < 1W			Result			Pass			

NR n66 Maximum Average Power [dBm] (GT - LC = 3.9 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	22.56	22.44	22.75	26.65	0.4624		
40	1	214		22.42	22.53	22.32				
40	108	54		22.51	22.75	22.57				
40	1	0		21.90	22.02	22.20				
40	1	215		21.93	22.02	21.93				
40	216	0		22.02	22.21	21.98				
40	1	1	QPSK	22.51	22.48	22.48			25.56	0.3597
40	1	214		22.32	22.38	22.43				
40	108	54		22.63	22.67	22.69				
40	1	0		22.49	22.48	22.45				
40	1	215		22.35	22.48	22.34				
40	216	0		21.61	21.63	21.59				
40	1	1	16-QAM	21.56	21.48	21.66	25.56	0.3597		
40	1	1	64-QAM	19.93	19.94	20.23				
40	1	1	256-QAM	17.83	17.78	17.76				
Limit	EIRP < 1W			Result			Pass			



NR n71 Maximum Average Power [dBm] (GT - LC = -2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
5	1	1	PI/2 BPSK	22.90	22.95	22.75	18.92	0.0780
5	1	23		22.91	22.71	22.69		
5	12	6		22.92	22.77	22.78		
5	1	0		22.54	22.31	22.38		
5	1	24		22.49	22.13	22.19		
5	25	0		22.47	22.29	22.21		
5	1	1	QPSK	23.07	22.96	22.94		
5	1	23		22.98	22.66	22.85		
5	12	6		22.95	22.82	21.07		
5	1	0		21.96	21.84	21.88		
5	1	24		22.02	21.66	21.74		
5	25	0		21.94	21.78	21.02		
5	1	1	16-QAM	22.01	21.79	21.87	17.86	0.0611
5	1	1	64-QAM	20.64	20.47	20.53		
5	1	1	256-QAM	18.13	17.92	17.97		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
10	1	1	PI/2 BPSK	22.97	22.82	22.68	18.83	0.0764
10	1	50		22.89	22.73	22.59		
10	25	12		22.98	22.85	22.75		
10	1	0		22.48	22.34	22.24		
10	1	51		22.31	22.28	22.18		
10	50	0		22.52	22.31	22.24		
10	1	1	QPSK	22.95	22.85	22.67		
10	1	50		22.93	22.77	22.56		
10	25	12		22.94	22.88	22.67		
10	1	0		21.95	21.89	21.74		
10	1	51		21.84	21.76	21.71		
10	50	0		22.01	21.85	21.65		
10	1	1	16-QAM	21.99	21.74	21.72	17.84	0.0608
10	1	1	64-QAM	20.57	20.52	20.34		
10	1	1	256-QAM	18.05	17.88	17.77		
Limit	ERP < 3W			Result			Pass	



NR n71 Maximum Average Power [dBm] (GT - LC = -2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
15	1	1	PI/2 BPSK	23.06	22.90	22.84	18.98	0.0791
15	1	77		22.89	22.68	22.61		
15	36	18		23.00	22.86	22.69		
15	1	0		22.65	22.41	22.20		
15	1	78		22.38	22.25	22.19		
15	75	0		22.51	22.38	22.31		
15	1	1	QPSK	23.13	22.95	22.86		
15	1	77		22.95	22.75	22.62		
15	36	18		23.01	22.88	22.70		
15	1	0		22.07	21.92	21.75		
15	1	78		21.85	21.74	21.67		
15	75	0		22.02	21.90	21.73		
15	1	1	16-QAM	22.13	21.84	21.76	17.98	0.0628
15	1	1	64-QAM	20.83	20.59	20.46		
15	1	1	256-QAM	18.19	18.04	17.80		
Limit	ERP < 3W			Result			Pass	

NR n71 Maximum Average Power [dBm] (GT - LC = -2 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP(W)
20	1	1	PI/2 BPSK	23.05	23.02	22.90	18.90	0.0776
20	1	104		22.59	22.65	22.64		
20	50	25		22.98	22.95	22.83		
20	1	0		22.52	22.47	22.46		
20	1	105		22.15	22.32	22.21		
20	100	0		22.39	22.28	22.25		
20	1	1	QPSK	23.03	22.95	22.92		
20	1	104		22.48	22.64	22.65		
20	50	25		22.92	22.79	22.77		
20	1	0		22.06	22.03	21.87		
20	1	105		21.75	21.79	21.78		
20	100	0		21.98	21.86	21.79		
20	1	1	16-QAM	21.98	21.97	21.85	17.83	0.0607
20	1	1	64-QAM	20.65	20.56	20.45		
20	1	1	256-QAM	18.13	18.01	17.91		
Limit	ERP < 3W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.35	24.75	25.77	29.31	0.8531
20	1	49		24.48	24.89	25.60		
20	25	12		24.37	24.81	25.64		
20	1	0		23.64	24.04	25.08		
20	1	50		23.78	24.21	24.84		
20	50	0		24.36	24.79	25.66		
20	1	1	QPSK	24.35	24.75	25.81		
20	1	49		24.49	24.90	25.64		
20	25	12		24.36	24.78	25.63		
20	1	0		23.62	24.03	25.12		
20	1	50		23.70	24.23	24.96		
20	50	0		24.37	24.78	25.57		
20	1	1	16-QAM	24.48	24.84	25.46	28.96	0.7870
20	1	1	64-QAM	24.01	24.45	24.93		
20	1	1	256-QAM	21.95	22.34	23.23		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	23.99	25.07	25.72	29.28	0.8472
30	1	76		24.12	25.39	25.58		
30	36	18		24.15	25.21	25.71		
30	1	0		23.29	24.43	25.02		
30	1	77		23.42	24.69	24.89		
30	75	0		24.26	25.25	25.75		
30	1	1	QPSK	23.98	25.08	25.71		
30	1	76		24.13	25.45	25.61		
30	36	18		24.13	25.22	25.76		
30	1	0		23.33	24.49	25.10		
30	1	77		23.46	24.76	24.93		
30	75	0		23.64	25.32	25.78		
30	1	1	16-QAM	23.72	25.09	25.63	29.13	0.8185
30	1	1	64-QAM	22.27	23.78	23.93		
30	1	1	256-QAM	20.65	22.19	22.35		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	24.09	24.69	25.59	29.15	0.8222		
40	1	104		24.15	24.97	25.62				
40	50	25		24.18	24.76	25.57				
40	1	0		23.41	23.99	24.98				
40	1	105		23.44	24.24	24.92				
40	100	0		24.17	24.77	25.64				
40	1	1	QPSK	24.06	24.73	25.63			29.15	0.8222
40	1	104		24.16	24.97	25.59				
40	50	25		24.16	24.75	25.63				
40	1	0		23.45	24.01	24.86				
40	1	105		23.47	24.35	25.01				
40	100	0		23.98	24.86	25.65				
40	1	1	16-QAM	23.74	24.85	25.46	28.96	0.7870		
40	1	1	64-QAM	23.12	24.13	24.96				
40	1	1	256-QAM	21.02	21.56	22.79				
Limit	EIRP < 1W			Result			Pass			

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
50	1	1	PI/2 BPSK	23.94	24.55	25.47	29.17	0.8260		
50	1	131		23.87	24.92	25.54				
50	64	32		24.01	24.77	25.66				
50	1	0		23.17	23.83	24.77				
50	1	132		23.19	24.24	24.87				
50	128	0		23.93	24.71	25.57				
50	1	1	QPSK	23.87	24.55	25.44			29.17	0.8260
50	1	131		23.87	24.96	25.54				
50	64	32		23.95	24.75	25.67				
50	1	0		23.17	23.87	24.70				
50	1	132		23.18	24.28	24.87				
50	128	0		23.89	24.69	25.62				
50	1	1	16-QAM	23.64	24.53	25.36	28.86	0.7691		
50	1	1	64-QAM	22.68	23.54	24.63				
50	1	1	256-QAM	21.13	21.93	23.01				
Limit	EIRP < 1W			Result			Pass			



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
60	1	1	PI/2 BPSK	24.04	24.64	25.33	29.13	0.8185		
60	1	160		23.96	24.99	25.52				
60	81	40		24.17	24.78	25.63				
60	1	0		23.34	23.96	24.64				
60	1	161		23.31	24.48	24.86				
60	162	0		24.12	24.81	25.52				
60	1	1	QPSK	24.05	24.69	25.31			29.13	0.8185
60	1	160		23.91	24.97	25.52				
60	81	40		24.21	24.82	25.61				
60	1	0		23.35	23.97	24.65				
60	1	161		23.24	24.30	24.84				
60	162	0		24.06	24.79	25.54				
60	1	1	16-QAM	23.47	24.63	25.32	28.82	0.7621		
60	1	1	64-QAM	22.36	23.62	24.99				
60	1	1	256-QAM	21.07	22.06	22.98				
Limit	EIRP < 1W			Result			Pass			

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
70	1	1	PI/2 BPSK	24.01	24.64	25.35	29.04	0.8017		
70	1	187		23.95	24.96	25.46				
70	90	45		24.09	24.70	25.51				
70	1	0		23.33	23.90	24.57				
70	1	188		23.26	24.25	24.78				
70	180	0		24.08	24.82	25.54				
70	1	1	QPSK	24.07	24.54	25.28			29.04	0.8017
70	1	187		23.96	24.26	25.45				
70	90	45		24.12	24.74	25.51				
70	1	0		23.36	23.91	24.57				
70	1	188		23.32	24.26	24.97				
70	180	0		24.01	24.80	25.49				
70	1	1	16-QAM	23.89	24.65	25.42	28.92	0.7798		
70	1	1	64-QAM	22.76	23.54	24.68				
70	1	1	256-QAM	21.16	21.81	23.42				
Limit	EIRP < 1W			Result			Pass			



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
80	1	1	PI/2 BPSK	24.14	24.71	25.38	29.15	0.8222
80	1	215		23.96	24.94	25.49		
80	108	54		24.08	24.82	25.65		
80	1	0		23.44	24.01	24.66		
80	1	216		23.26	24.24	24.80		
80	216	0		24.14	24.87	25.57		
80	1	1	QPSK	24.11	24.69	25.35		
80	1	215		23.95	24.98	25.49		
80	108	54		24.11	24.74	25.59		
80	1	0		23.42	24.02	24.72		
80	1	216		23.30	24.27	24.81		
80	216	0		23.94	24.88	25.53		
80	1	1	16-QAM	23.82	24.68	25.45	28.95	0.7852
80	1	1	64-QAM	22.71	23.44	24.98		
80	1	1	256-QAM	21.17	21.81	23.35		
Limit	EIRP < 1W			Result			Pass	

NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
90	1	1	PI/2 BPSK	24.09	24.76	25.54	29.07	0.8072
90	1	243		24.01	24.92	25.45		
90	120	60		23.97	24.82	25.54		
90	1	0		23.41	24.05	24.82		
90	1	244		23.33	24.23	24.78		
90	243	0		24.07	24.88	25.57		
90	1	1	QPSK	24.15	24.66	25.53		
90	1	243		24.07	25.02	25.51		
90	120	60		23.93	24.83	25.54		
90	1	0		23.40	24.10	24.75		
90	1	244		23.28	24.28	24.78		
90	243	0		24.08	24.86	25.56		
90	1	1	16-QAM	23.93	24.53	25.54	29.04	0.8017
90	1	1	64-QAM	22.34	22.84	24.43		
90	1	1	256-QAM	20.75	21.18	22.87		
Limit	EIRP < 1W			Result			Pass	



NR n77 (HPUE) Maximum Average Power [dBm] (GT - LC = 3.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
100	1	1	PI/2 BPSK	24.12	24.99	25.73	29.23	0.8375
100	1	271		24.02	24.81	25.50		
100	135	67		24.03	24.55	25.45		
100	1	0		23.44	23.95	24.82		
100	1	272		23.36	24.10	24.79		
100	270	0		24.09	24.68	25.46		
100	1	1	QPSK	24.13	24.66	25.45	29.23	0.8375
100	1	271		24.07	24.86	25.53		
100	135	67		24.02	24.71	25.38		
100	1	0		23.68	23.95	24.82		
100	1	272		23.34	24.18	24.85		
100	270	0		24.12	24.61	25.49		
100	1	1	16-QAM	23.92	24.62	25.47	28.97	0.7889
100	1	1	64-QAM	22.48	22.91	24.42		
100	1	1	256-QAM	21.42	21.87	23.56		
Limit	EIRP < 1W			Result			Pass	



<MIMO Mode>

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	17.83	17.95	16.42	18.37	18.05	16.14	21.12	21.01	19.29	24.44	0.2780
20	1	49		18.10	17.89	17.56	18.35	17.85	17.32	21.24	20.88	20.45		
20	25	12		18.21	18.16	17.68	18.16	17.93	17.45	21.20	21.06	20.58		
20	1	0		16.94	16.62	16.43	16.74	16.62	16.15	19.85	19.63	19.30		
20	1	50		16.79	16.52	16.27	16.74	16.44	16.01	19.78	19.49	19.15		
20	51	0		16.83	16.68	16.35	16.65	16.51	16.06	19.75	19.61	19.22		
20	1	1	16-QAM	18.01	17.62	16.53	17.72	17.53	16.18	20.88	20.59	19.37	24.08	0.2559
20	1	1	64-QAM	16.12	15.96	15.73	15.85	15.81	15.32	19.00	18.90	18.54		
20	1	1	256-QAM	13.45	13.30	12.91	13.04	13.03	12.45	16.26	16.18	15.70		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	18.21	18.10	17.95	18.51	18.09	17.94	21.37	21.11	20.96	24.57	0.2864
30	1	76		18.25	18.17	17.85	18.46	17.98	17.68	21.37	21.09	20.78		
30	39	19		18.35	18.10	17.90	18.35	17.91	17.72	21.36	21.02	20.82		
30	1	0		17.15	16.81	16.81	16.90	16.77	16.57	20.04	19.80	19.70		
30	1	77		17.12	16.73	16.65	17.08	16.70	16.42	20.11	19.73	19.55		
30	78	0		17.15	16.79	16.57	16.95	16.65	13.36	20.06	19.73	18.27		
30	1	1	16-QAM	18.22	17.97	17.72	17.98	17.56	17.38	21.11	20.78	20.56	24.31	0.2698
30	1	1	64-QAM	16.35	16.11	16.01	16.05	15.91	15.68	19.21	19.02	18.86		
30	1	1	256-QAM	13.65	13.39	13.33	13.27	13.12	12.90	16.47	16.27	16.13		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	18.15	18.39	18.09	18.45	18.13	18.21	21.31	21.27	21.16	24.52	0.2831
40	1	104		18.27	18.25	17.89	18.35	18.08	17.68	21.32	21.18	20.80		
40	53	26		18.23	18.10	17.92	18.29	17.94	17.68	21.27	21.03	20.81		
40	1	0		17.06	17.01	16.82	16.94	16.78	16.74	20.01	19.91	19.79		
40	1	105		16.99	16.79	16.44	16.85	16.62	16.32	19.93	19.72	19.39		
40	106	0		17.05	16.87	16.57	16.84	16.63	16.41	19.96	19.76	19.50		
40	1	1	16-QAM	18.08	18.05	17.76	17.76	17.64	17.72	20.93	20.86	20.75	24.13	0.2588
40	1	1	64-QAM	16.49	16.15	16.01	16.21	16.05	15.94	19.36	19.11	18.99		
40	1	1	256-QAM	13.52	13.51	13.40	13.24	13.28	13.07	16.39	16.41	16.25		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
50	1	1	QPSK	18.24	18.06	17.97	18.35	18.21	18.23	21.31	21.15	21.11	24.53	0.2838
50	1	131		18.36	18.12	17.71	18.27	18.03	17.62	21.33	21.09	20.68		
50	67	33		18.15	17.93	17.77	18.23	17.81	17.66	21.20	20.88	20.73		
50	1	0		16.98	16.77	16.69	16.79	16.74	16.76	19.90	19.77	19.74		
50	1	132		16.88	16.62	16.34	16.94	16.63	16.31	19.92	19.64	19.34		
50	133	0		16.91	16.54	16.45	16.86	16.55	16.34	19.90	19.56	19.41		
50	1	1	16-QAM	18.19	17.91	17.83	17.93	17.75	17.71	21.07	20.84	20.78	24.27	0.2673
50	1	1	64-QAM	16.33	16.01	15.92	15.96	15.98	15.95	19.16	19.01	18.95		
50	1	1	256-QAM	13.50	13.42	13.33	13.15	13.14	13.14	16.34	16.29	16.25		
Limit	EIRP < 2W			Result									Pass	



NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	18.14	18.11	17.92	18.17	18.24	18.05	21.17	21.19	21.00	24.44	0.2780
60	1	160		18.08	18.12	17.68	18.12	18.05	17.45	21.11	21.10	20.58		
60	81	40		18.21	18.01	17.65	18.24	17.88	17.68	21.24	20.96	20.68		
60	1	0		16.84	16.80	16.64	16.60	16.77	16.53	19.73	19.80	19.60		
60	1	161		16.62	16.66	16.29	16.61	16.59	16.06	19.63	19.64	19.19		
60	162	0		16.75	16.72	16.45	16.73	16.58	16.36	19.75	19.66	19.42		
60	1	1	16-QAM	17.96	16.05	17.74	17.76	16.05	17.63	20.87	19.06	20.70	24.07	0.2553
60	1	1	64-QAM	16.02	16.04	15.98	15.98	16.05	15.84	19.01	19.06	18.92		
60	1	1	256-QAM	13.33	13.48	13.31	13.09	13.28	13.02	16.22	16.39	16.18		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	18.15	18.43	18.17	18.27	18.24	17.99	21.22	21.35	21.09	24.58	0.2871
80	1	215		17.75	18.23	17.85	17.80	18.04	17.53	20.79	21.15	20.70		
80	109	54		18.55	18.13	17.97	18.18	17.96	17.86	21.38	21.06	20.93		
80	1	0		17.03	17.01	16.86	16.71	16.92	16.57	19.88	19.98	19.73		
80	1	216		16.46	16.83	16.42	16.19	16.57	16.10	19.34	19.71	19.27		
80	217	0		16.90	16.80	16.82	16.65	16.62	16.47	19.79	19.72	19.66		
80	1	1	16-QAM	18.27	18.08	17.86	17.78	17.76	17.46	21.04	20.93	20.67	24.24	0.2655
80	1	1	64-QAM	16.24	16.27	16.05	16.13	16.19	15.88	19.20	19.24	18.98		
80	1	1	256-QAM	13.55	13.62	13.42	13.24	13.44	13.15	16.41	16.54	16.30		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	18.41	18.53	18.10	18.45	18.48	18.04	21.44	21.52	21.08	24.72	0.2965
90	1	243		18.25	18.19	17.91	18.18	18.18	17.57	21.23	21.20	20.75		
90	123	61		18.01	18.14	18.20	17.87	17.92	17.97	20.95	21.04	21.10		
90	1	0		17.09	17.08	16.74	16.96	16.98	16.61	20.04	20.04	19.69		
90	1	244		16.84	16.83	16.39	16.73	16.75	16.24	19.80	19.80	19.33		
90	245	0		16.78	16.81	16.82	16.65	16.65	16.64	19.73	19.74	19.74		
90	1	1	16-QAM	18.23	18.25	17.73	17.92	17.93	17.54	21.09	21.10	20.65	24.30	0.2692
90	1	1	64-QAM	16.32	16.35	16.13	16.34	16.35	15.84	19.34	19.36	19.00		
90	1	1	256-QAM	13.72	13.72	13.32	13.55	13.25	13.14	16.65	16.50	16.24		
Limit	EIRP < 2W			Result									Pass	

NR n41 Maximum Average Power [dBm], DG = 3.2 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	18.21	18.46	17.93	18.32	18.39	17.94	21.28	21.44	20.95	24.64	0.2911
100	1	271		17.64	18.28	17.87	17.55	18.14	17.62	20.61	21.22	20.76		
100	137	68		18.06	18.01	18.09	18.13	17.97	17.98	21.11	21.00	21.05		
100	1	0		17.04	17.05	16.69	16.69	16.85	16.51	19.88	19.96	19.61		
100	1	272		16.25	16.68	16.31	15.95	16.65	16.12	19.11	19.68	19.23		
100	273	0		16.76	16.72	16.70	16.55	16.67	16.55	19.67	19.71	19.64		
100	1	1	16-QAM	18.15	18.14	17.65	17.78	17.80	17.42	20.98	20.98	20.55	24.18	0.2618
100	1	1	64-QAM	16.30	16.32	15.95	16.02	16.16	15.82	19.17	19.25	18.90		
100	1	1	256-QAM	13.66	13.72	16.13	13.24	13.43	12.99	16.47	16.59	17.85		
Limit	EIRP < 2W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
20	1	1	QPSK	15.83	16.27	16.93	17.78	18.06	18.42	19.92	20.27	20.75	24.25	0.2661
20	1	49		15.81	16.45	16.83	17.69	17.98	18.32	19.86	20.29	20.65		
20	25	12		15.75	16.30	16.82	17.67	17.99	18.31	19.83	20.24	20.64		
20	1	0		13.87	14.25	14.96	15.77	16.01	16.45	17.93	18.23	18.78		
20	1	50		13.81	14.45	14.82	15.67	16.07	16.44	17.85	18.35	18.72		
20	51	0		14.32	14.85	15.38	16.19	16.52	16.98	18.37	18.78	19.26		
20	1	1	16-QAM	13.62	15.95	16.57	15.57	17.48	17.95	17.71	19.79	20.32	23.82	0.2410
20	1	1	64-QAM	13.56	14.07	14.76	15.56	15.80	16.25	17.68	18.03	18.58		
20	1	1	256-QAM	10.93	11.25	11.93	12.80	12.93	13.25	14.98	15.18	15.65		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
30	1	1	QPSK	17.00	16.17	17.84	17.62	18.19	18.35	20.33	20.31	21.11	24.61	0.2891
30	1	76		15.75	16.62	17.73	17.65	18.30	18.32	19.81	20.55	21.05		
30	39	19		15.75	16.33	17.73	17.71	18.04	18.30	19.85	20.28	21.03		
30	1	0		13.60	14.29	15.83	15.64	16.06	16.42	17.75	18.27	19.15		
30	1	77		13.71	14.66	15.78	15.72	16.18	16.38	17.84	18.50	19.10		
30	78	0		14.24	14.83	16.34	16.18	16.54	16.86	18.33	18.78	19.62		
30	1	1	16-QAM	15.39	16.04	17.34	17.08	17.48	17.94	19.33	19.83	20.66	24.16	0.2606
30	1	1	64-QAM	13.49	14.09	15.62	15.38	15.87	16.17	17.55	18.08	18.91		
30	1	1	256-QAM	10.78	11.29	12.64	12.59	12.97	13.40	14.79	15.22	16.05		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW (MHz)	RB Size	RB Offset	Mod	Antenna 1			Antenna 2			Combine			EIRP (dBm)	EIRP (W)
				Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest		
40	1	1	QPSK	15.82	16.35	17.62	17.85	18.05	18.15	19.96	20.29	20.90	24.57	0.2864
40	1	104		15.86	16.74	17.75	17.75	18.18	18.35	19.92	20.53	21.07		
40	53	26		15.75	16.38	17.64	17.75	17.98	18.17	19.87	20.26	20.92		
40	1	0		13.80	14.28	15.57	15.80	16.12	16.32	17.92	18.31	18.97		
40	1	105		13.84	14.75	15.71	15.73	16.14	16.32	17.90	18.51	19.04		
40	106	0		14.25	14.95	16.24	16.29	16.53	16.77	18.40	18.82	19.52		
40	1	1	16-QAM	15.55	16.02	17.11	17.26	17.60	17.98	19.50	19.89	20.58	24.08	0.2559
40	1	1	64-QAM	13.58	14.09	15.35	15.65	15.70	16.06	17.75	17.98	18.73		
40	1	1	256-QAM	10.92	11.36	12.40	12.68	13.07	13.24	14.90	15.31	15.85		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
50	1	1	QPSK	15.53	16.04	17.40	17.41	17.90	18.30	19.58	20.08	20.88	24.48	0.2805
50	1	131		15.52	16.68	17.68	17.45	18.01	18.25	19.60	20.41	20.98		
50	67	33		15.57	16.37	17.70	17.51	17.94	18.13	19.66	20.24	20.93		
50	1	0		13.45	14.11	15.33	15.45	15.85	16.37	17.57	18.08	18.89		
50	1	132		13.53	14.72	15.67	15.43	16.02	16.18	17.59	18.43	18.94		
50	133	0		14.14	14.87	16.14	15.98	16.41	16.72	18.17	18.72	19.45		
50	1	1	16-QAM	14.98	15.78	16.90	17.13	17.41	17.95	19.20	19.68	20.47	23.97	0.2495
50	1	1	64-QAM	13.37	13.90	15.17	15.28	15.66	16.12	17.44	17.88	18.68		
50	1	1	256-QAM	10.63	11.05	12.11	12.65	12.64	13.18	14.76	14.93	15.69		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
60	1	1	QPSK	15.63	16.12	17.08	17.81	18.03	18.09	19.87	20.19	20.62	24.38	0.2742
60	1	160		15.57	16.76	17.60	17.72	18.11	17.92	19.79	20.50	20.77		
60	81	40		15.78	16.42	17.61	17.68	17.96	18.12	19.84	20.27	20.88		
60	1	0		13.68	14.22	15.15	15.61	15.89	15.93	17.76	18.15	18.57		
60	1	161		13.57	14.72	15.65	15.68	16.06	15.90	17.76	18.45	18.79		
60	162	0		14.28	14.92	16.12	16.18	16.46	16.51	18.34	18.77	19.33		
60	1	1	16-QAM	15.35	15.85	16.64	17.25	17.43	17.59	19.41	19.72	20.15	23.65	0.2317
60	1	1	64-QAM	13.45	14.38	14.94	15.35	15.93	15.74	17.51	18.23	18.37		
60	1	1	256-QAM	10.75	11.21	12.15	12.58	13.03	12.85	14.77	15.22	15.52		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
70	1	1	QPSK	15.78	16.35	17.06	17.61	18.05	17.98	19.80	20.29	20.55	24.38	0.2742
70	1	187		15.70	16.92	17.72	17.83	18.17	18.01	19.90	20.60	20.88		
70	95	47		15.89	16.45	17.55	17.62	18.06	17.98	19.85	20.34	20.78		
70	1	0		13.89	14.29	15.07	15.65	16.12	15.96	17.87	18.31	18.55		
70	1	188		13.83	14.78	15.63	15.81	16.19	15.88	17.94	18.55	18.77		
70	189	0		14.31	14.95	16.01	16.12	16.01	16.52	18.32	18.52	19.28		
70	1	1	16-QAM	15.25	16.05	16.77	17.35	17.54	17.43	19.44	19.87	20.12	23.62	0.2301
70	1	1	64-QAM	13.75	14.14	14.87	15.39	15.84	15.82	17.66	18.08	18.38		
70	1	1	256-QAM	10.74	11.28	12.03	12.65	12.82	12.82	14.81	15.13	15.45		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
80	1	1	QPSK	15.77	16.44	17.25	17.70	18.13	18.23	19.85	20.38	20.78	24.35	0.2723
80	1	215		15.74	16.86	17.79	17.74	18.11	17.88	19.86	20.54	20.85		
80	109	54		15.77	16.43	17.62	17.66	17.97	18.05	19.83	20.28	20.85		
80	1	0		13.81	14.45	15.20	15.62	16.05	16.30	17.82	18.33	18.80		
80	1	216		13.68	14.88	15.61	15.73	16.17	15.93	17.84	18.58	18.78		
80	217	0		14.35	15.01	16.07	16.31	16.56	16.58	18.45	18.86	19.34		
80	1	1	16-QAM	15.47	16.14	16.67	17.16	17.67	17.98	19.41	19.98	20.38	23.88	0.2443
80	1	1	64-QAM	13.56	14.26	15.02	15.46	15.84	16.04	17.62	18.13	18.57		
80	1	1	256-QAM	10.78	11.34	12.02	12.54	12.75	13.12	14.76	15.11	15.62		
Limit	EIRP < 1W			Result									Pass	



Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
90	1	1	QPSK	15.78	16.49	17.35	17.68	18.17	18.27	19.84	20.42	20.84	24.34	0.2716
90	1	243		15.82	16.92	17.65	17.86	18.28	17.83	19.97	20.66	20.75		
90	123	61		15.65	16.47	16.98	17.61	18.00	17.57	19.75	20.31	20.30		
90	1	0		13.79	14.54	15.37	15.62	16.05	16.28	17.81	18.37	18.86		
90	1	244		13.78	14.92	15.60	15.91	16.24	15.88	17.98	18.64	18.75		
90	245	0		14.28	15.08	15.98	16.05	16.25	16.55	18.26	18.71	19.28		
90	1	1	16-QAM	15.45	16.24	17.07	17.14	17.63	17.83	19.39	20.00	20.48	23.98	0.2500
90	1	1	64-QAM	13.51	14.35	15.13	15.44	15.87	16.07	17.59	18.19	18.64		
90	1	1	256-QAM	10.82	11.37	12.18	12.57	12.85	13.09	14.79	15.18	15.67		
Limit	EIRP < 1W			Result									Pass	

Part270 NR n77 Maximum Average Power [dBm], DG = 3.5 dBi														
BW	RB	RB	Mod	Antenna 1			Antenna 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
100	1	1	QPSK	15.78	16.39	17.38	17.76	18.24	18.34	19.89	20.42	20.90	24.40	0.2754
100	1	271		15.74	16.95	17.75	17.86	18.32	18.01	19.94	20.70	20.89		
100	137	68		15.62	16.36	17.35	17.64	18.04	18.03	19.76	20.29	20.71		
100	1	0		13.75	14.46	15.42	15.70	16.12	16.33	17.84	18.38	18.91		
100	1	272		13.72	14.85	15.69	15.86	16.24	15.94	17.93	18.61	18.83		
100	273	0		14.23	15.04	16.01	16.32	16.54	16.58	18.41	18.86	19.31		
100	1	1	16-QAM	15.47	16.15	17.04	17.25	17.73	17.81	19.46	20.02	20.45	23.95	0.2483
100	1	1	64-QAM	13.57	14.35	15.24	15.57	15.87	16.11	17.69	18.19	18.71		
100	1	1	256-QAM	10.74	11.34	12.30	12.65	12.85	13.10	14.81	15.17	15.73		
Limit	EIRP < 1W			Result									Pass	



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Part	Mode	Ch	Freq (MHz)	Level (dBm)	Detector	Ant Factor (dB/m)	Amp\Cbl (dB)	Filter (dB)	EIRP CF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
Part 22H	4	H	3321.000	-54.22	RMS	29.76	-24.89	0.32	-95.23	35.82	-13.00	-41.22	V	4
Part 24E	3	L	7405.000	-44.76	RMS	36.70	-22.24	0.63	-95.23	35.38	-13.00	-31.76	V	4
Part 24E	4	H	7623.000	-44.85	RMS	36.45	-22.17	0.79	-95.23	35.31	-13.00	-31.85	H	4
Part 27O	1	L	14805.000	-41.13	RMS	40.59	-15.45	-7.09	-95.23	36.05	-13.00	-28.13	H	3
Part 27O	2	L	14815.000	-41.17	RMS	40.57	-15.47	-7.09	-95.23	36.05	-13.00	-28.17	H	4+3
Part 27O	3	L	14805.000	-42.00	RMS	40.59	-15.45	-7.09	-95.23	35.18	-13.00	-29.00	V	3
Part 27N	2	L	2655.000	-54.88	RMS	28.50	-26.45	0.63	-95.23	37.67	-13.00	-41.88	V	4
Part 27M	3	H	10571.000	-40.08	RMS	39.08	-19.61	0.77	-95.23	34.91	-25.00	-15.08	V	3
Part 27M	4	M	10336.000	-39.49	RMS	39.02	-19.95	0.78	-95.23	35.89	-25.00	-14.49	H	4+3
Part 27L	5	M	6945.000	-45.67	RMS	36.00	-22.51	0.71	-95.23	35.36	-13.00	-32.67	V	4
Part 27L	6	H	6969.000	-45.81	RMS	36.04	-22.51	0.71	-95.23	35.18	-13.00	-32.81	V	4

Remark: Ant 4 = Primary cell antenna ; Ant 3 = Secondary cell antenna

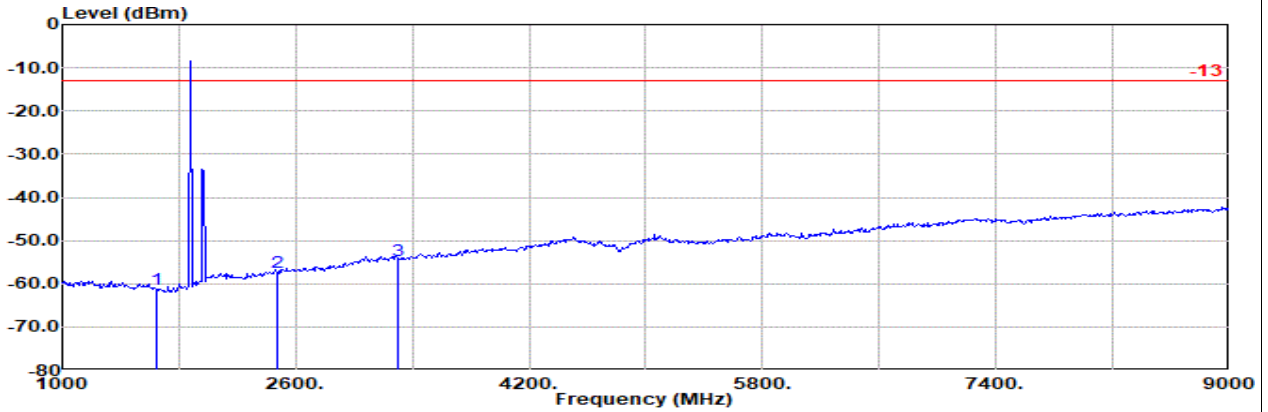


Ant 4(Primary cell antenna)

Part 22H Mode 4

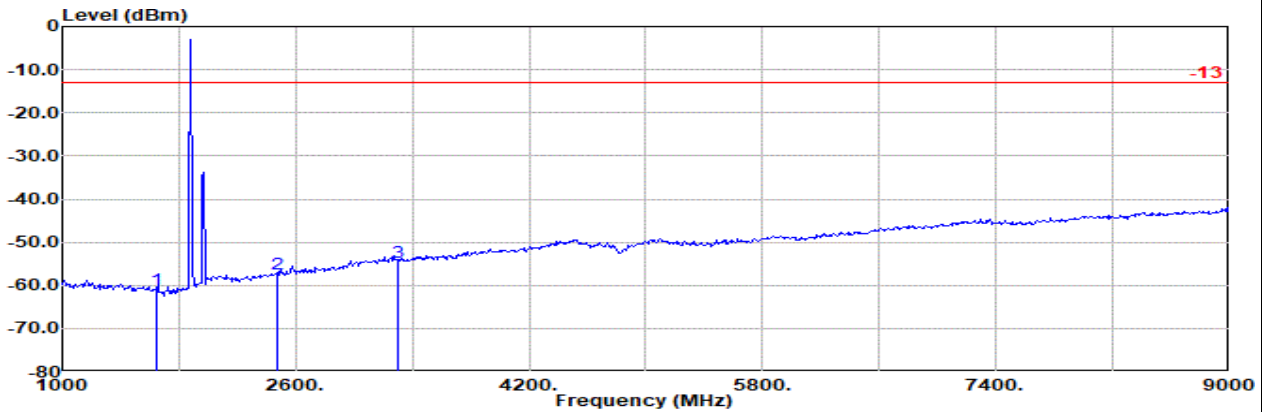
EN-DC B2+n5 10M + 20M Ch18900 1RB0 QPSK + Ch166800 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch166800 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1650.00	-61.38	RMS	25.40	-28.28		0.56	-95.23	36.17	-13.00	-48.38	Horizontal
2	2475.00	-57.43	RMS	27.85	-26.77		0.37	-95.23	36.35	-13.00	-44.43	Horizontal
3	3301.00	-54.66	RMS	29.80	-24.95		0.32	-95.23	35.40	-13.00	-41.66	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch166800 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1650.00	-60.89	RMS	25.40	-28.28		0.56	-95.23	36.66	-13.00	-47.89	Vertical
2	2475.00	-57.29	RMS	27.85	-26.77		0.37	-95.23	36.49	-13.00	-44.29	Vertical
3	3301.00	-54.65	RMS	29.80	-24.95		0.32	-95.23	35.41	-13.00	-41.65	Vertical

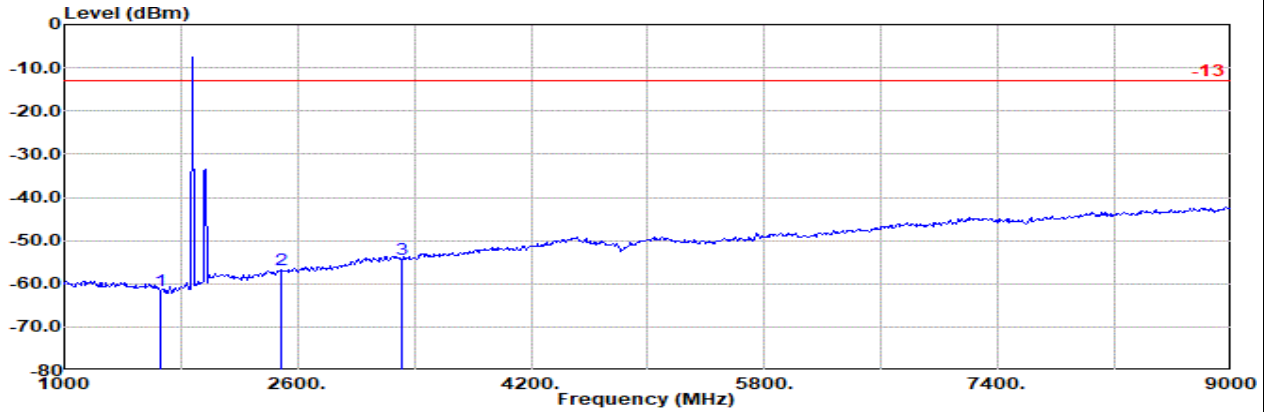
Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.



Part 22H Mode 4

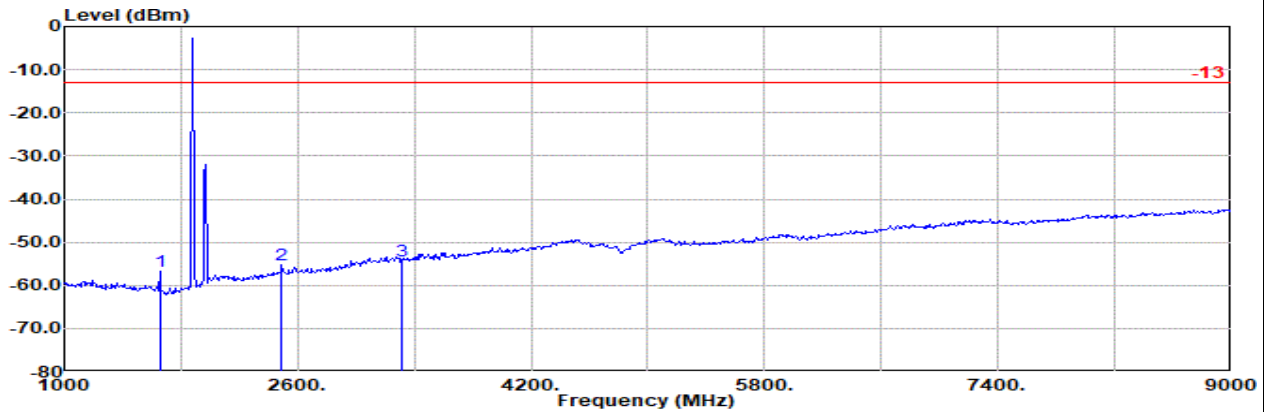
EN-DC B2+n5 10M + 20M Ch18900 1RB0 QPSK + Ch167300 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1655.00	-61.45	RMS	25.40	-28.27	0.56	-95.23	36.09	-13.00	-48.45	Horizontal	
2	2483.00	-56.71	RMS	27.93	-26.76	0.37	-95.23	36.98	-13.00	-43.71	Horizontal	
3	3311.00	-54.48	RMS	29.78	-24.92	0.32	-95.23	35.57	-13.00	-41.48	Horizontal	



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1655.00	-56.65	RMS	25.40	-28.27	0.56	-95.23	40.89	-13.00	-43.65	Vertical	
2	2483.00	-55.25	RMS	27.93	-26.76	0.37	-95.23	38.44	-13.00	-42.25	Vertical	
3	3311.00	-54.35	RMS	29.78	-24.92	0.32	-95.23	35.70	-13.00	-41.35	Vertical	

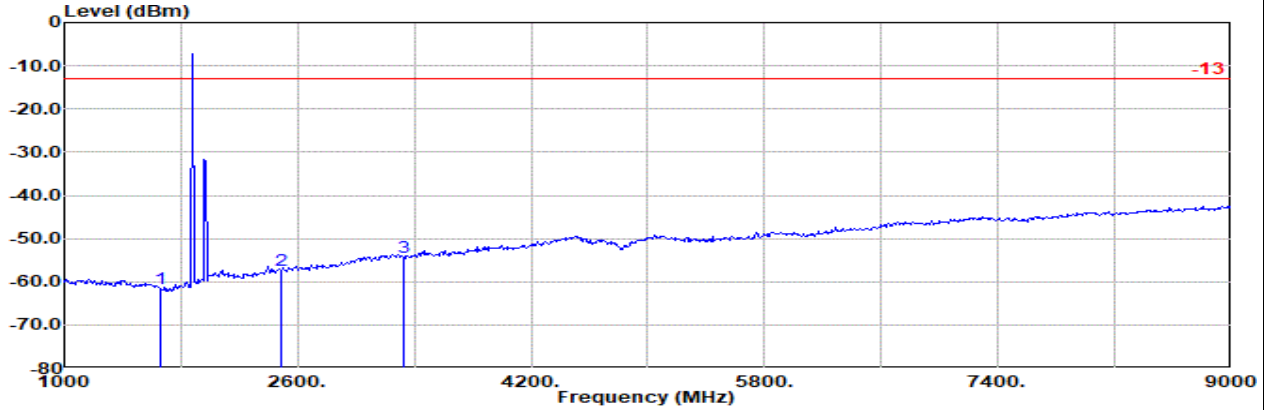
Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.



Part 22H Mode 4

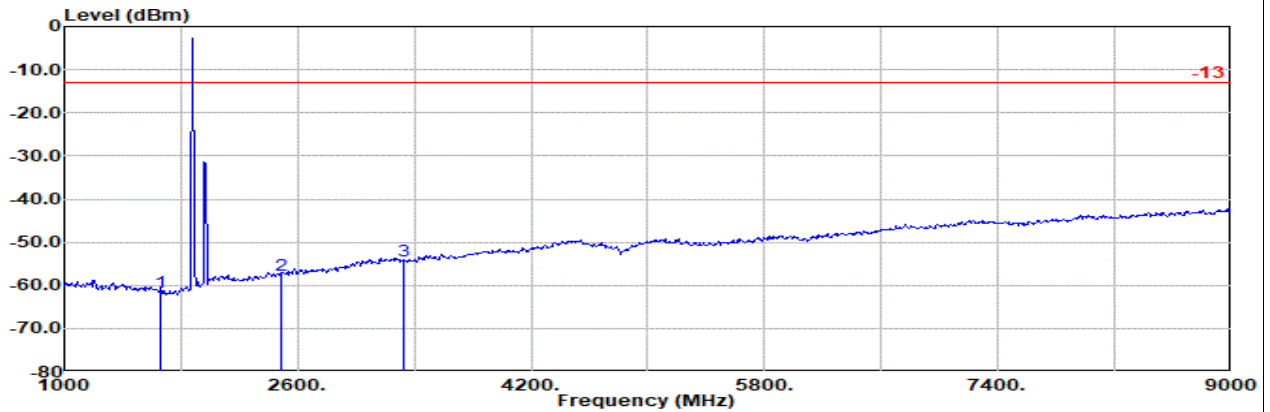
EN-DC B2+n5 10M + 20M Ch18900 1RB0 QPSK + Ch167800 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch167800 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1660.00	-61.68	RMS	25.40	-28.25	0.56	-95.23	35.84	-13.00	-48.68	Horizontal	
2	2490.00	-57.43	RMS	28.00	-26.75	0.36	-95.23	36.19	-13.00	-44.43	Horizontal	
3	3321.00	-54.36	RMS	29.76	-24.89	0.32	-95.23	35.68	-13.00	-41.36	Horizontal	



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M CH18900 1RB0 QPSK
 : SA n5 20M Ch167800 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1660.00	-61.49	RMS	25.40	-28.25	0.56	-95.23	36.03	-13.00	-48.49	Vertical	
2	2490.00	-57.60	RMS	28.00	-26.75	0.36	-95.23	36.02	-13.00	-44.60	Vertical	
3	3321.00	-54.22	RMS	29.76	-24.89	0.32	-95.23	35.82	-13.00	-41.22	Vertical	

Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.

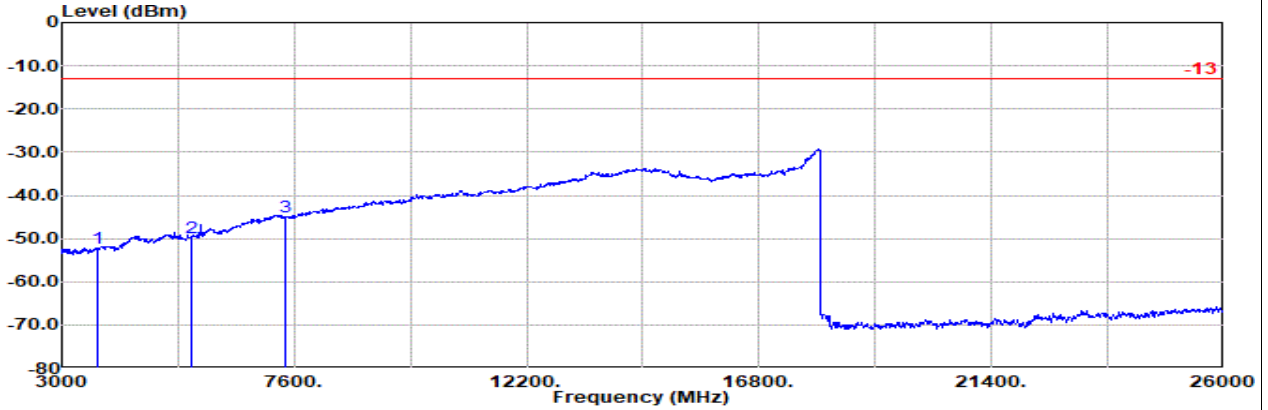


Ant 4(Primary cell antenna)

Part 24E Mode 3

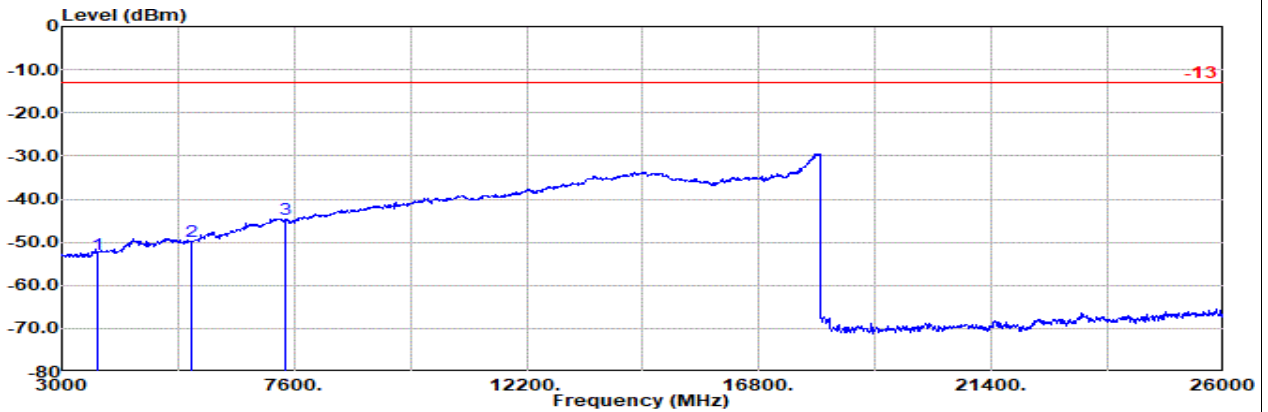
EN-DC B14+n2 10M + 20M Ch23330 1RB0 QPSK + Ch372000 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch372000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3702.00	-52.34	RMS	29.71	-24.09	1.14	-95.23	36.13	-13.00	-39.34	Horizontal
2	5553.00	-49.77	RMS	33.11	-23.30	0.67	-95.23	34.98	-13.00	-36.77	Horizontal
3	7405.00	-44.87	RMS	36.70	-22.24	0.63	-95.23	35.27	-13.00	-31.87	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch372000 1RB1 BPSK

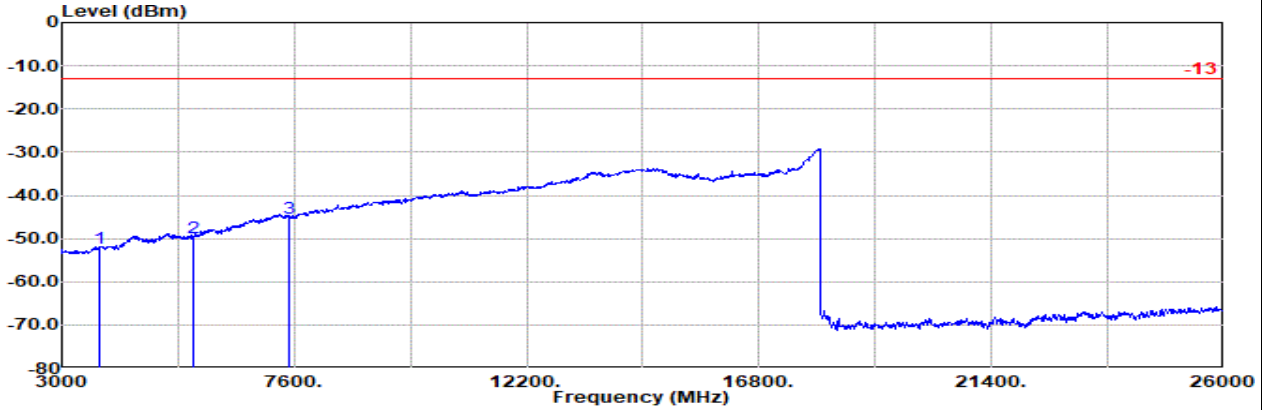
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3702.00	-52.75	RMS	29.71	-24.09	1.14	-95.23	35.72	-13.00	-39.75	Vertical
2	5553.00	-49.84	RMS	33.11	-23.30	0.67	-95.23	34.91	-13.00	-36.84	Vertical
3	7405.00	-44.76	RMS	36.70	-22.24	0.63	-95.23	35.38	-13.00	-31.76	Vertical



Part 24E Mode 3

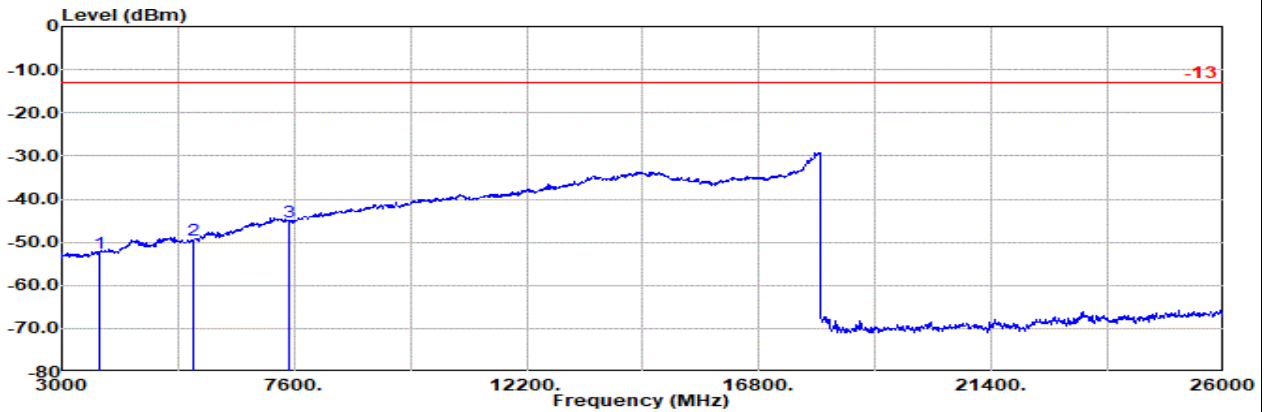
EN-DC B14+n2 10M + 20M Ch23330 1RB0 QPSK + Ch376000 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch376000 1RB1 BPSK

	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	3742.00	-52.24	RMS	29.87	-24.01	1.10	-95.23	36.03	-13.00	-39.24	Horizontal
2	5613.00	-49.92	RMS	33.20	-23.32	0.63	-95.23	34.80	-13.00	-36.92	Horizontal
3	7485.00	-45.21	RMS	36.56	-22.20	0.69	-95.23	34.97	-13.00	-32.21	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch376000 1RB1 BPSK

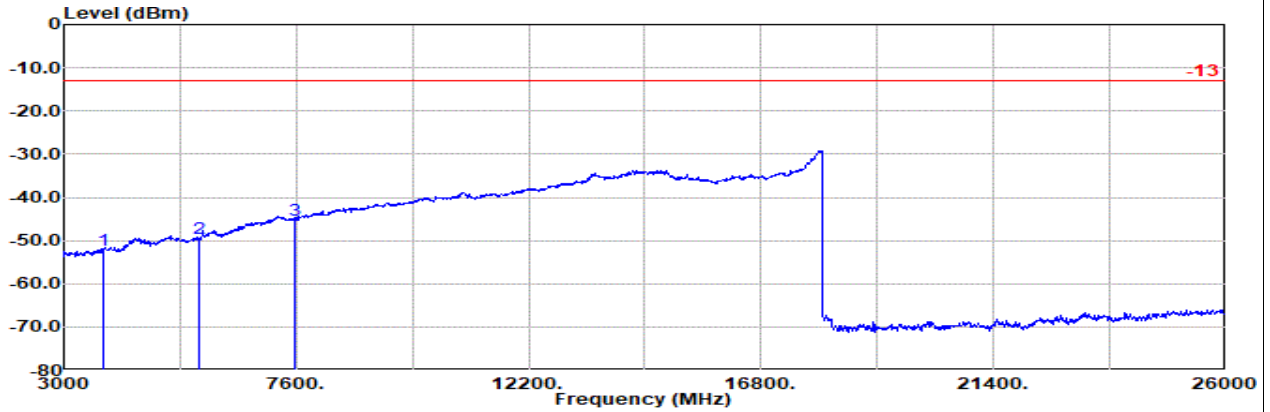
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3742.00	-52.41	RMS	29.87	-24.01	1.10	-95.23	35.86	-13.00	-39.41	Vertical
2	5613.00	-49.50	RMS	33.20	-23.32	0.63	-95.23	35.22	-13.00	-36.50	Vertical
3	7485.00	-45.28	RMS	36.56	-22.20	0.69	-95.23	34.90	-13.00	-32.28	Vertical



Part 24E Mode 3

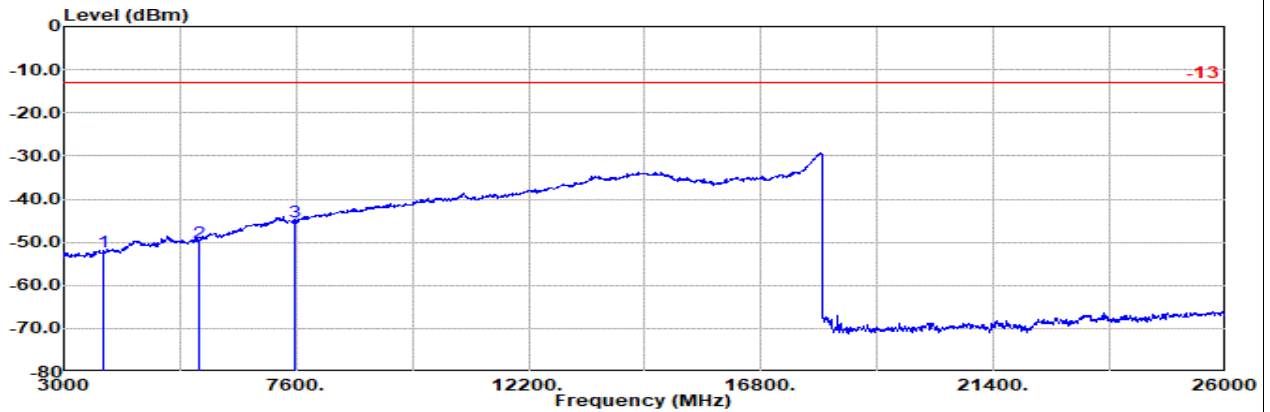
EN-DC B14+n2 10M + 20M Ch23330 1RB0 QPSK + Ch380000 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch380000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3782.00	-52.11	RMS	30.09	-23.93	1.06	-95.23	35.90	-13.00	-39.11	Horizontal
2	5673.00	-49.41	RMS	33.15	-23.29	0.61	-95.23	35.35	-13.00	-36.41	Horizontal
3	7565.00	-45.38	RMS	36.40	-22.18	0.75	-95.23	34.88	-13.00	-32.38	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 14 10M CH23330 1RB0 QPSK
 : SA n2 20M Ch380000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3782.00	-52.31	RMS	30.09	-23.93	1.06	-95.23	35.70	-13.00	-39.31	Vertical
2	5673.00	-50.00	RMS	33.15	-23.29	0.61	-95.23	34.76	-13.00	-37.00	Vertical
3	7565.00	-45.29	RMS	36.40	-22.18	0.75	-95.23	34.97	-13.00	-32.29	Vertical

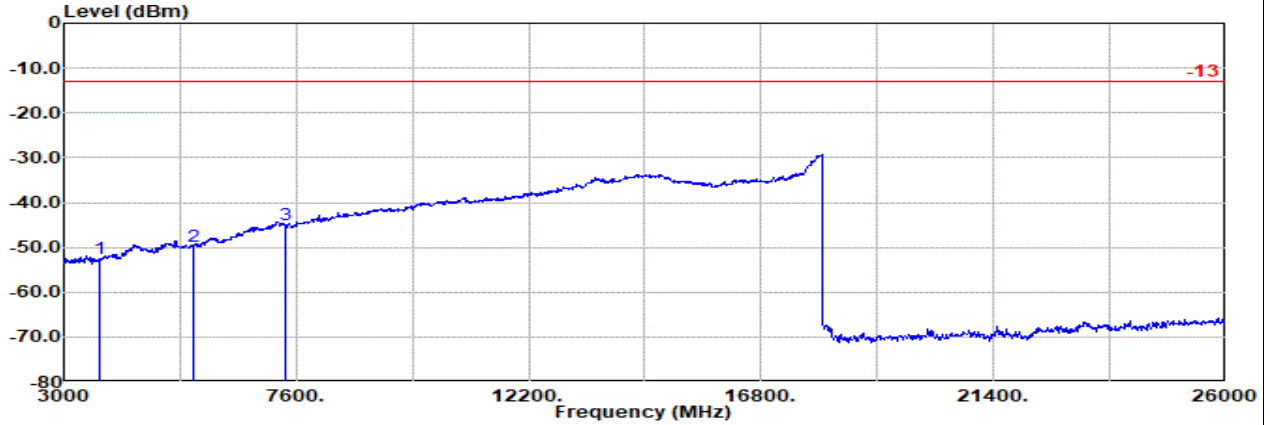


Ant 4(Primary cell antenna)

Part 24E Mode 4

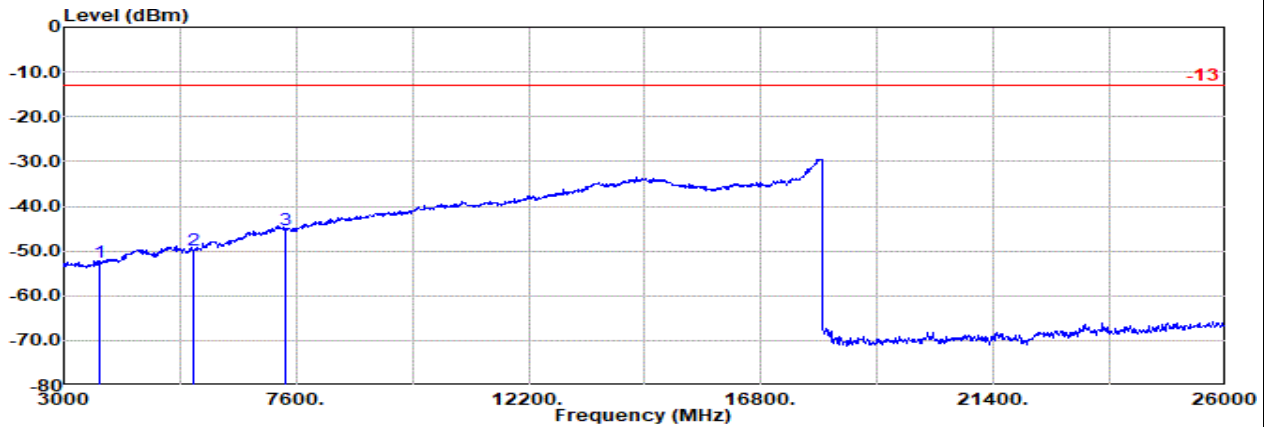
NR SA n25 10M Ch371000 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n25 10M Ch371000 1RB1 BPSK

	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	3701.00	-52.45	RMS	29.70	-24.09	1.14	-95.23	36.03	-13.00	-39.45	Horizontal
2	5552.00	-49.91	RMS	33.10	-23.30	0.67	-95.23	34.85	-13.00	-36.91	Horizontal
3	7403.00	-45.04	RMS	36.70	-22.24	0.63	-95.23	35.10	-13.00	-32.04	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n25 10M Ch371000 1RB1 BPSK

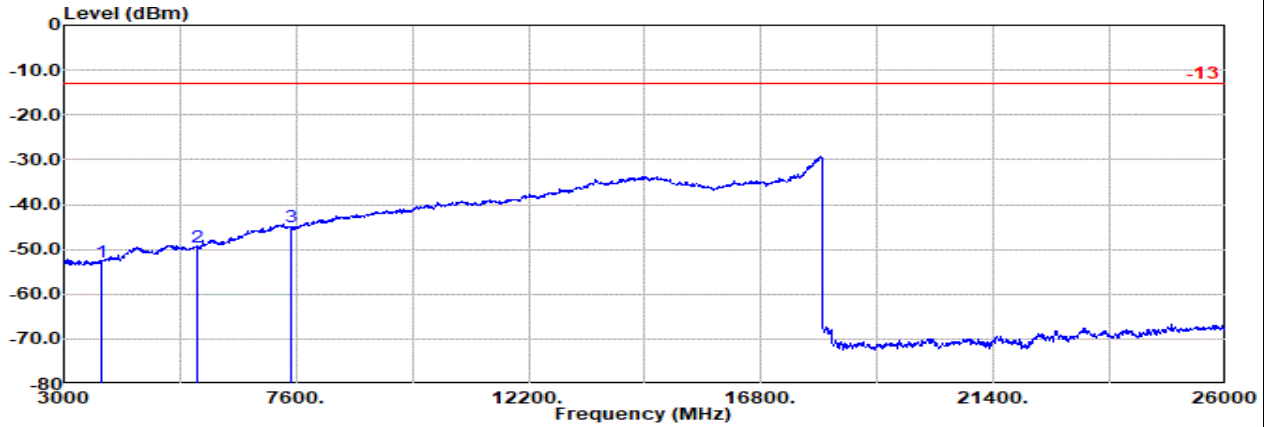
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3701.00	-52.65	RMS	29.70	-24.09	1.14	-95.23	35.83	-13.00	-39.65	Vertical
2	5552.00	-49.71	RMS	33.10	-23.30	0.67	-95.23	35.05	-13.00	-36.71	Vertical
3	7403.00	-45.13	RMS	36.70	-22.24	0.63	-95.23	35.01	-13.00	-32.13	Vertical



Part 24E Mode 4

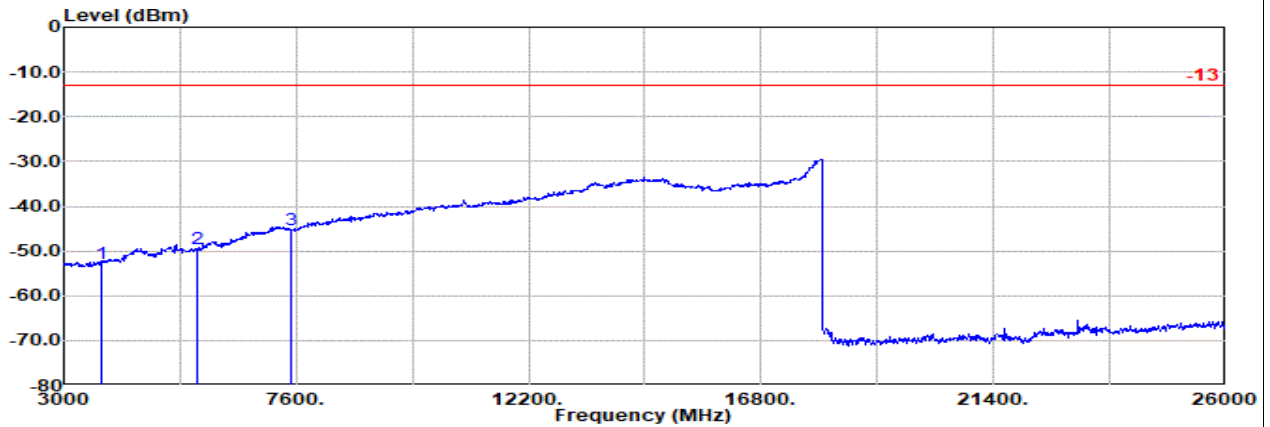
NR SA n25 10M Ch376500 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n25 10M Ch376500 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3756.00	-52.85	RMS	29.94	-23.98	1.08	-95.23	35.34	-13.00	-39.85	Horizontal
2	5634.00	-49.45	RMS	33.20	-23.31	0.62	-95.23	35.27	-13.00	-36.45	Horizontal
3	7513.00	-44.93	RMS	36.47	-22.19	0.71	-95.23	35.31	-13.00	-31.93	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n25 10M Ch376500 1RB1 BPSK

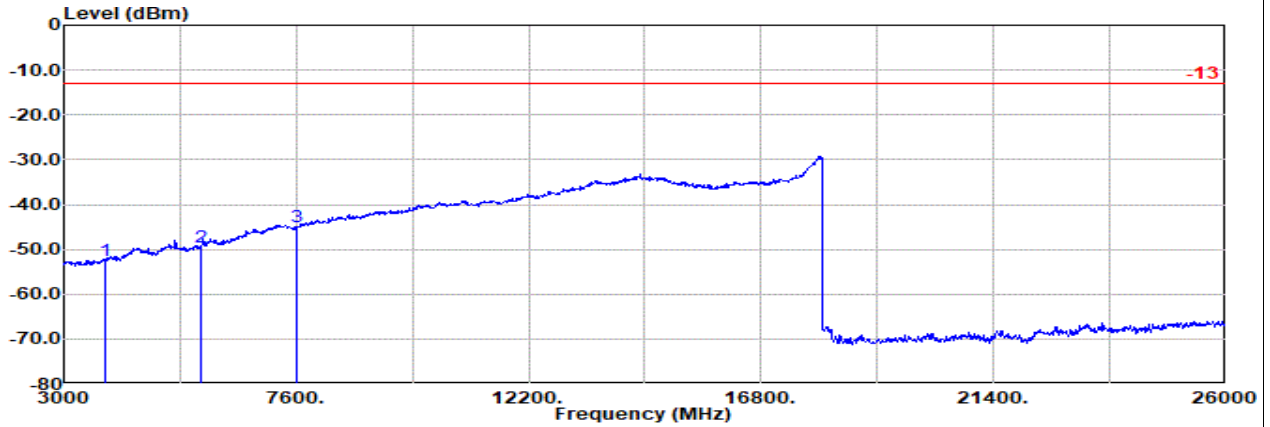
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3756.00	-52.80	RMS	29.94	-23.98	1.08	-95.23	35.39	-13.00	-39.80	Vertical
2	5634.00	-49.53	RMS	33.20	-23.31	0.62	-95.23	35.19	-13.00	-36.53	Vertical
3	7513.00	-45.34	RMS	36.47	-22.19	0.71	-95.23	34.90	-13.00	-32.34	Vertical



Part 24E Mode 4

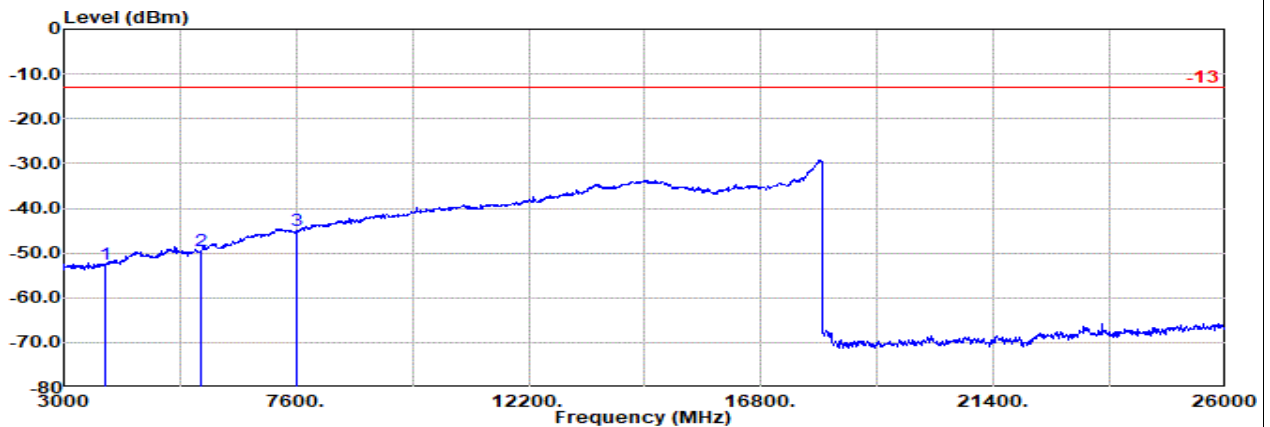
NR SA n25 10M Ch382000 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n25 10M Ch382000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3811.00	-52.53	RMS	30.27	-23.89	1.03	-95.23	35.29	-13.00	-39.53	Horizontal
2	5717.00	-49.62	RMS	33.24	-23.27	0.59	-95.23	35.05	-13.00	-36.62	Horizontal
3	7623.00	-44.85	RMS	36.45	-22.17	0.79	-95.23	35.31	-13.00	-31.85	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n25 10M Ch382000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3811.00	-52.62	RMS	30.27	-23.89	1.03	-95.23	35.20	-13.00	-39.62	Vertical
2	5717.00	-49.63	RMS	33.24	-23.27	0.59	-95.23	35.04	-13.00	-36.63	Vertical
3	7623.00	-44.95	RMS	36.45	-22.17	0.79	-95.23	35.21	-13.00	-31.95	Vertical

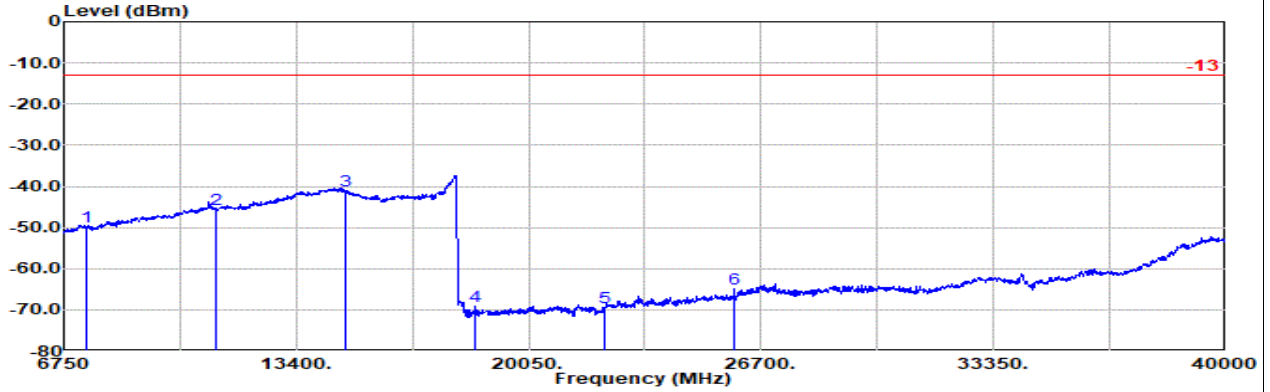


Ant 3(Secondary cell antenna)

Part 270 Mode 1

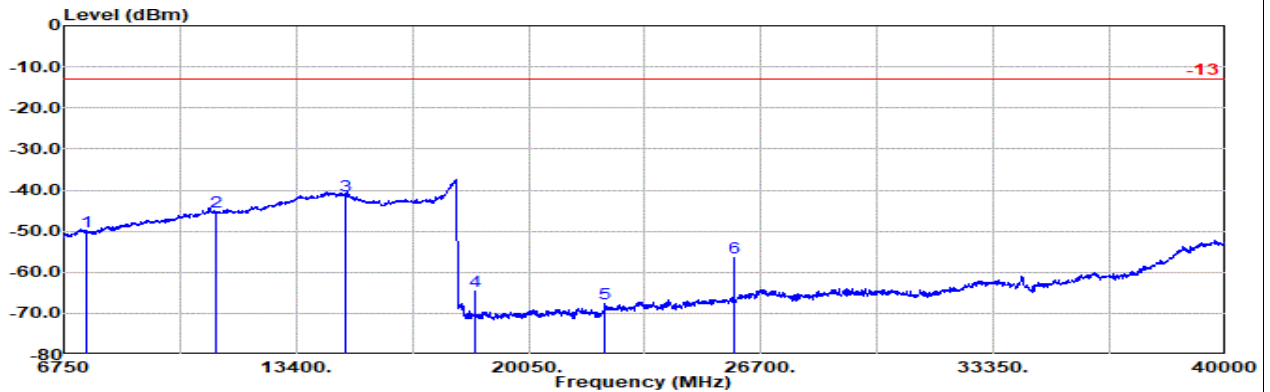
NR SA n77 20M Ch647334 1RB1 BPSK (HPUE)

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 20M Ch647334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7403.00	-49.90	RMS	36.70	-22.24	-5.18	-95.23	36.05	-13.00	-36.90	Horizontal
2	11104.00	-45.49	RMS	39.01	-18.77	-6.35	-95.23	35.85	-13.00	-32.49	Horizontal
3	14805.00	-41.13	RMS	40.59	-15.45	-7.09	-95.23	36.05	-13.00	-28.13	Horizontal
4	18506.00	-69.03	RMS	37.74	-34.07	-9.54	-95.23	32.07	-13.00	-56.03	Horizontal
5	22207.00	-69.52	RMS	38.20	-31.52	-9.54	-95.23	28.57	-13.00	-56.52	Horizontal
6	25908.00	-64.89	RMS	39.22	-29.02	-9.54	-95.23	29.68	-13.00	-51.89	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 20M Ch647334 1RB1 BPSK

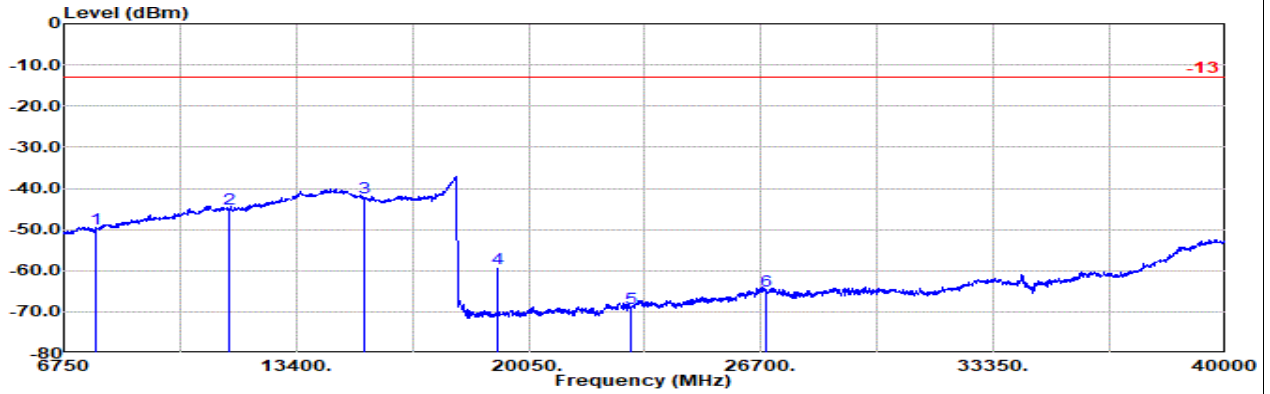
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7403.00	-50.16	RMS	36.70	-22.24	-5.18	-95.23	35.79	-13.00	-37.16	Vertical
2	11104.00	-45.35	RMS	39.01	-18.77	-6.35	-95.23	35.99	-13.00	-32.35	Vertical
3	14805.00	-41.23	RMS	40.59	-15.45	-7.09	-95.23	35.95	-13.00	-28.23	Vertical
4	18506.00	-64.57	RMS	37.74	-34.07	-9.54	-95.23	36.53	-13.00	-51.57	Vertical
5	22207.00	-67.67	RMS	38.20	-31.52	-9.54	-95.23	30.42	-13.00	-54.67	Vertical
6	25908.00	-56.57	RMS	39.22	-29.02	-9.54	-95.23	38.00	-13.00	-43.57	Vertical



Part 270 Mode 1

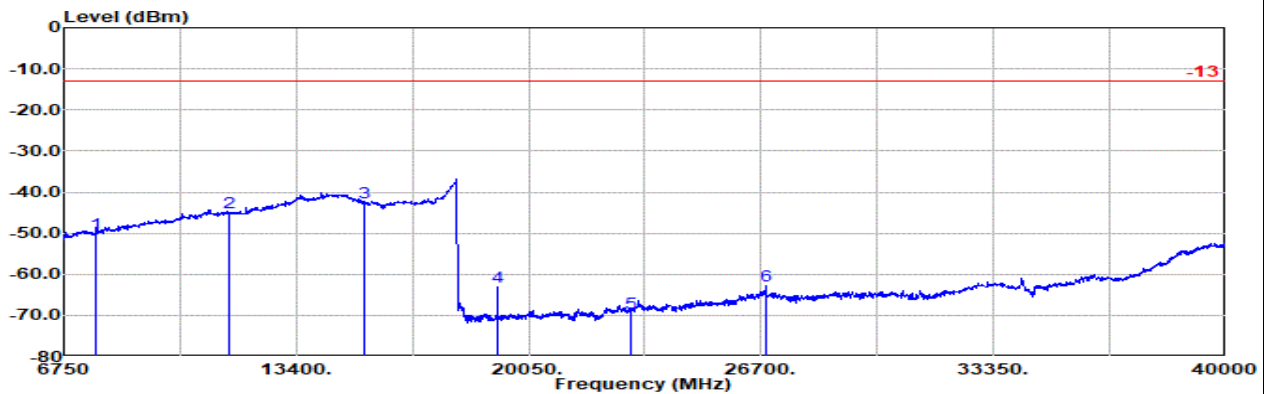
NR SA n77 20M Ch656000 1RB1 BPSK (HPUE)

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 20M Ch656000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7663.00	-49.87	RMS	36.55	-22.17	-5.32	-95.23	36.30	-13.00	-36.87	Horizontal
2	11494.00	-44.90	RMS	39.29	-18.69	-6.43	-95.23	36.16	-13.00	-31.90	Horizontal
3	15325.00	-42.34	RMS	38.85	-15.78	-7.20	-95.23	37.02	-13.00	-29.34	Horizontal
4	19156.00	-59.38	RMS	38.15	-33.57	-9.54	-95.23	40.81	-13.00	-46.38	Horizontal
5	22987.00	-69.25	RMS	38.70	-30.84	-9.54	-95.23	27.66	-13.00	-56.25	Horizontal
6	26818.00	-65.05	RMS	40.36	-28.24	-9.54	-95.23	27.60	-13.00	-52.05	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 20M Ch656000 1RB1 BPSK

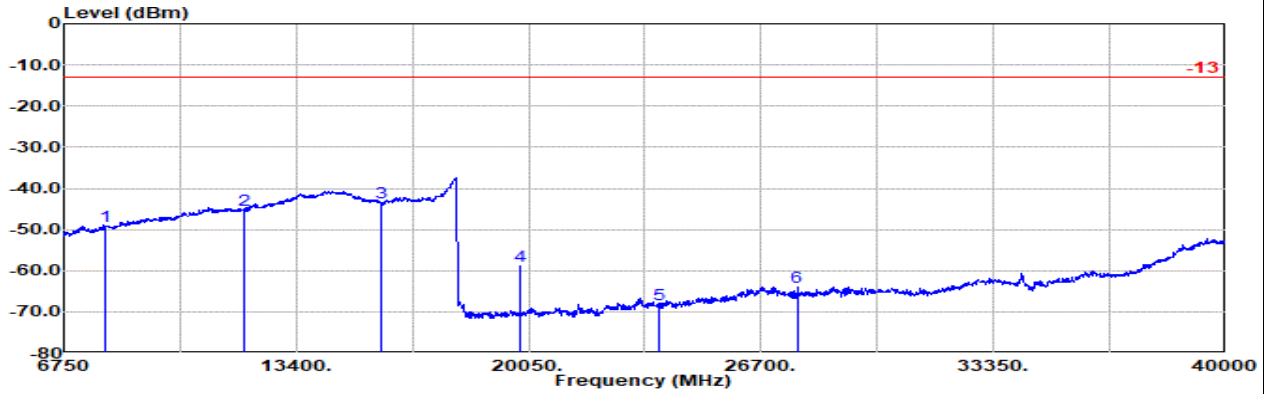
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7663.00	-50.17	RMS	36.55	-22.17	-5.32	-95.23	36.00	-13.00	-37.17	Vertical
2	11494.00	-45.05	RMS	39.29	-18.69	-6.43	-95.23	36.01	-13.00	-32.05	Vertical
3	15325.00	-42.59	RMS	38.85	-15.78	-7.20	-95.23	36.77	-13.00	-29.59	Vertical
4	19156.00	-63.08	RMS	38.15	-33.57	-9.54	-95.23	37.11	-13.00	-50.08	Vertical
5	22987.00	-69.38	RMS	38.70	-30.84	-9.54	-95.23	27.53	-13.00	-56.38	Vertical
6	26818.00	-62.87	RMS	40.36	-28.24	-9.54	-95.23	29.78	-13.00	-49.87	Vertical



Part 270 Mode 1

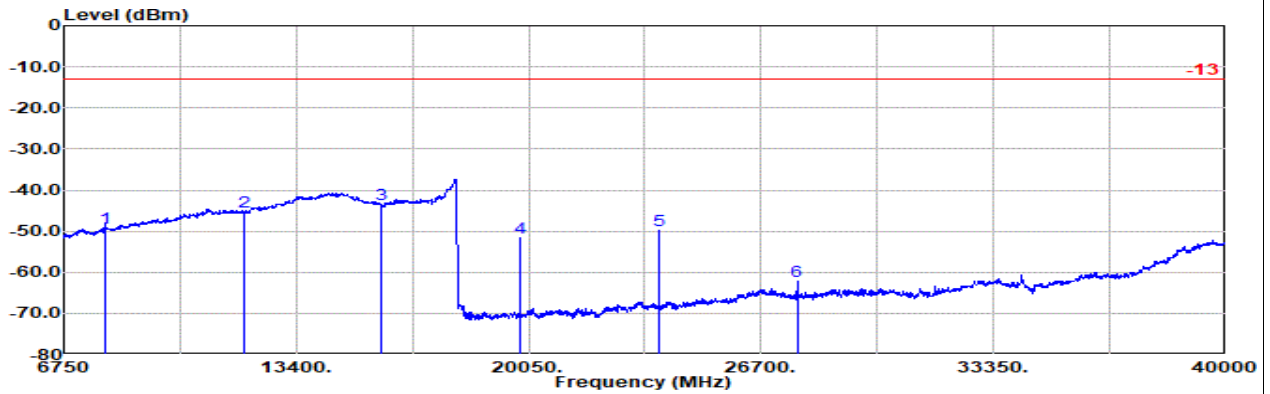
NR SA n77 20M Ch664666 1RB1 BPSK (HPUE)

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 20M Ch664666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7922.00	-49.34	RMS	37.14	-22.07	-5.28	-95.23	36.10	-13.00	-36.34	Horizontal
2	11883.00	-45.20	RMS	38.87	-18.52	-6.51	-95.23	36.19	-13.00	-32.20	Horizontal
3	15845.00	-43.36	RMS	37.91	-15.65	-7.32	-95.23	36.93	-13.00	-30.36	Horizontal
4	19806.00	-58.81	RMS	37.82	-32.68	-9.54	-95.23	40.82	-13.00	-45.81	Horizontal
5	23767.00	-68.12	RMS	38.57	-30.50	-9.54	-95.23	28.58	-13.00	-55.12	Horizontal
6	27728.00	-64.14	RMS	39.66	-28.61	-9.54	-95.23	29.58	-13.00	-51.14	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 20M Ch664666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7922.00	-49.33	RMS	37.14	-22.07	-5.28	-95.23	36.11	-13.00	-36.33	Vertical
2	11883.00	-45.36	RMS	38.87	-18.52	-6.51	-95.23	36.03	-13.00	-32.36	Vertical
3	15845.00	-43.48	RMS	37.91	-15.65	-7.32	-95.23	36.81	-13.00	-30.48	Vertical
4	19806.00	-51.70	RMS	37.82	-32.68	-9.54	-95.23	47.93	-13.00	-38.70	Vertical
5	23767.00	-49.86	RMS	38.57	-30.50	-9.54	-95.23	46.84	-13.00	-36.86	Vertical
6	27728.00	-62.13	RMS	39.66	-28.61	-9.54	-95.23	31.59	-13.00	-49.13	Vertical

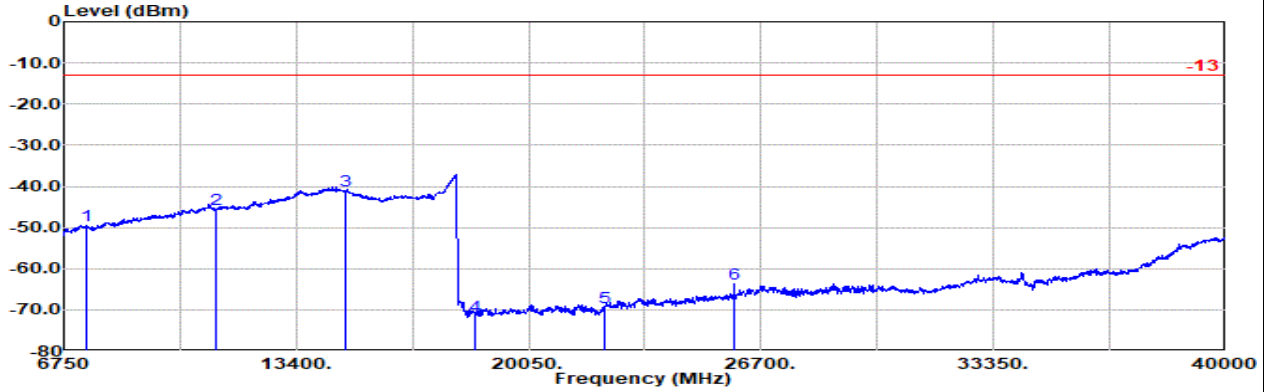


Ant 4+3(Primary + Secondary cell antenna)

Part 270 Mode 2

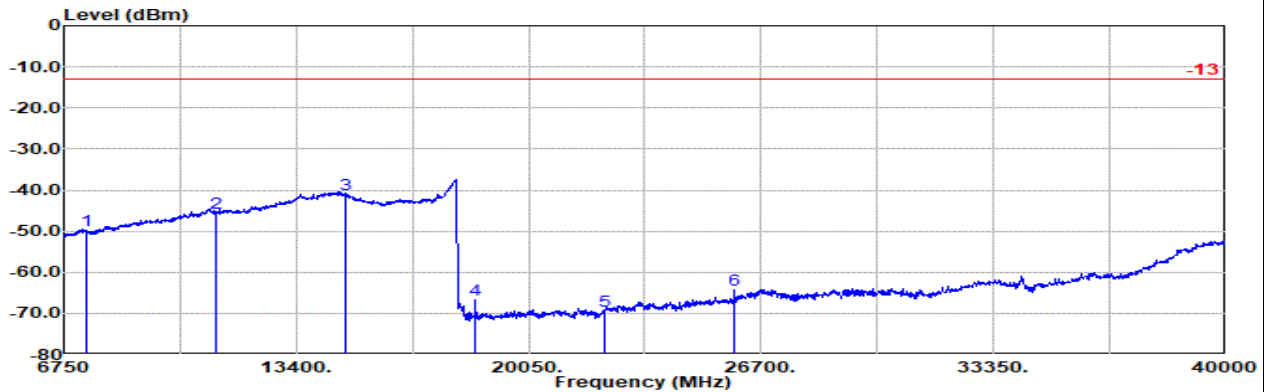
NR SA n77 70M Ch649000 1RB1 BPSK (MIMO)

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 70M Ch649000 1RB1 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	7408.00	-49.62	RMS	36.70	-22.24	-5.18	-95.23	0.00	-13.00	-36.62	Horizontal
2	11111.00	-45.59	RMS	39.02	-18.77	-6.35	-95.23	35.74	-13.00	-32.59	Horizontal
3	14815.00	-41.17	RMS	40.57	-15.47	-7.09	-95.23	36.05	-13.00	-28.17	Horizontal
4	18518.00	-71.48	RMS	37.81	-34.06	-9.54	-95.23	29.54	-13.00	-58.48	Horizontal
5	22222.00	-69.54	RMS	38.20	-31.51	-9.54	-95.23	28.54	-13.00	-56.54	Horizontal
6	25926.00	-63.83	RMS	39.25	-29.00	-9.54	-95.23	30.69	-13.00	-50.83	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 70M Ch649000 1RB1 QPSK

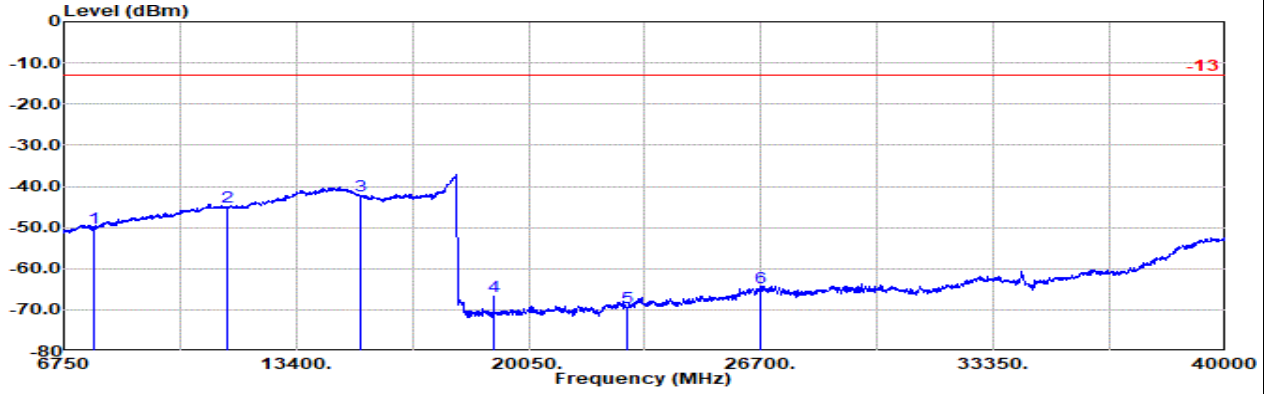
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7408.00	-49.82	RMS	36.70	-22.24	-5.18	-95.23	36.13	-13.00	-36.82	Vertical
2	11111.00	-45.60	RMS	39.02	-18.77	-6.35	-95.23	35.73	-13.00	-32.60	Vertical
3	14815.00	-41.19	RMS	40.57	-15.47	-7.09	-95.23	36.03	-13.00	-28.19	Vertical
4	18518.00	-66.69	RMS	37.81	-34.06	-9.54	-95.23	34.33	-13.00	-53.69	Vertical
5	22222.00	-69.46	RMS	38.20	-31.51	-9.54	-95.23	28.62	-13.00	-56.46	Vertical
6	25926.00	-64.19	RMS	39.25	-29.00	-9.54	-95.23	30.33	-13.00	-51.19	Vertical



Part 270 Mode 2

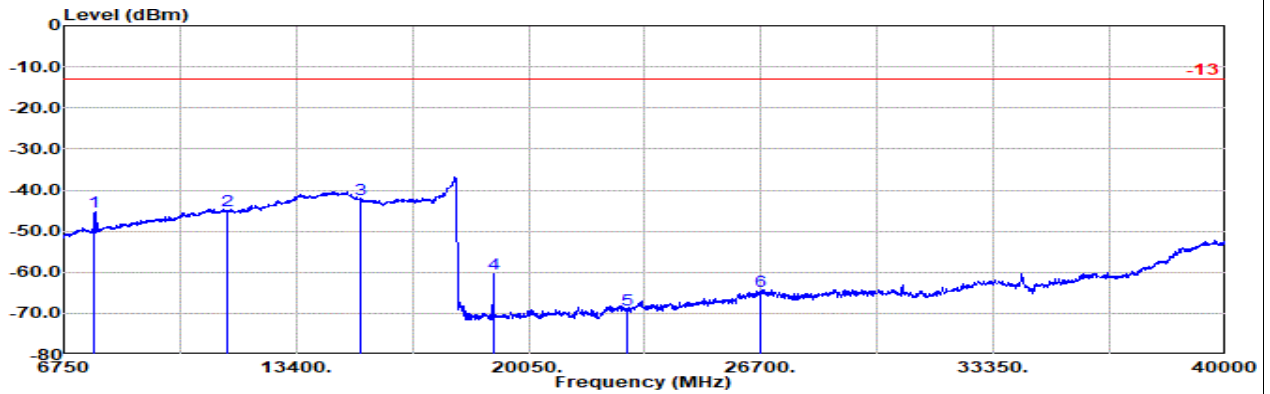
NR SA n77 70M Ch656000 1RB1 BPSK (MIMO)

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 70M Ch656000 1RB1 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	7618.00	-50.10	RMS	36.44	-22.17	-5.30	-95.23	36.16	-13.00	-37.10	Horizontal
2	11426.00	-45.06	RMS	39.25	-18.70	-6.42	-95.23	36.04	-13.00	-32.06	Horizontal
3	15235.00	-42.38	RMS	39.26	-15.76	-7.18	-95.23	36.53	-13.00	-29.38	Horizontal
4	19043.00	-66.72	RMS	38.16	-33.74	-9.54	-95.23	33.63	-13.00	-53.72	Horizontal
5	22852.00	-69.58	RMS	38.50	-30.97	-9.54	-95.23	27.66	-13.00	-56.58	Horizontal
6	26661.00	-64.59	RMS	40.04	-28.38	-9.54	-95.23	28.52	-13.00	-51.59	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 70M Ch656000 1RB1 QPSK

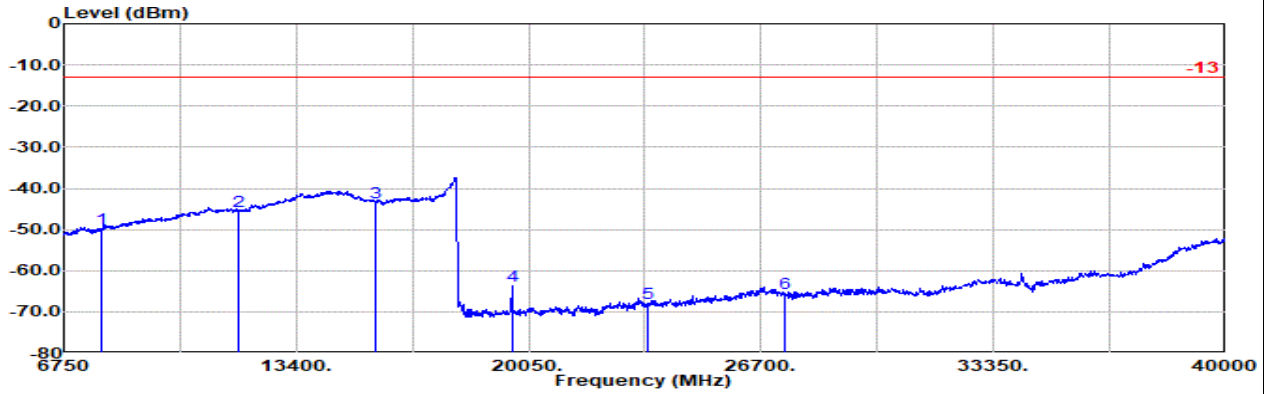
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7618.00	-45.20	RMS	36.44	-22.17	-5.30	-95.23	41.06	-13.00	-32.20	Vertical
2	11426.00	-44.91	RMS	39.25	-18.70	-6.42	-95.23	36.19	-13.00	-31.91	Vertical
3	15235.00	-42.38	RMS	39.26	-15.76	-7.18	-95.23	36.53	-13.00	-29.38	Vertical
4	19043.00	-60.23	RMS	38.16	-33.74	-9.54	-95.23	40.12	-13.00	-47.23	Vertical
5	22852.00	-69.20	RMS	38.50	-30.97	-9.54	-95.23	28.04	-13.00	-56.20	Vertical
6	26661.00	-64.74	RMS	40.04	-28.38	-9.54	-95.23	28.37	-13.00	-51.74	Vertical



Part 270 Mode 2

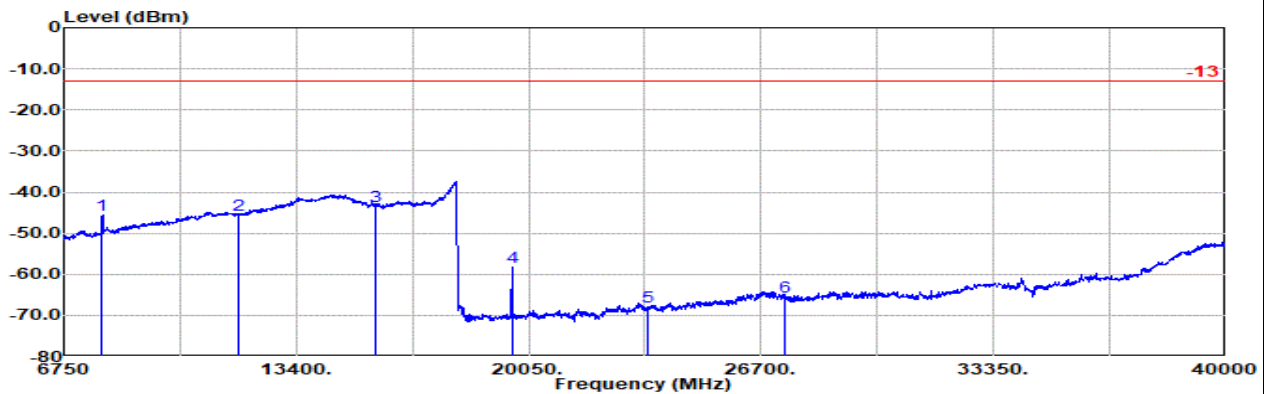
NR SA n77 70M Ch663000 1RB1 BPSK (MIMO)

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR Band 77 70M Ch663000 1RB1 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	7828.00	-49.94	RMS	37.00	-22.14	-5.37	-95.23	35.80	-13.00	-36.94	Horizontal
2	11741.00	-45.51	RMS	38.82	-18.58	-6.48	-95.23	35.96	-13.00	-32.51	Horizontal
3	15655.00	-43.52	RMS	37.89	-15.74	-7.28	-95.23	36.84	-13.00	-30.52	Horizontal
4	19568.00	-63.70	RMS	38.13	-32.98	-9.54	-95.23	35.92	-13.00	-50.70	Horizontal
5	23482.00	-68.03	RMS	38.74	-30.59	-9.54	-95.23	28.59	-13.00	-55.03	Horizontal
6	27396.00	-65.51	RMS	39.68	-28.28	-9.54	-95.23	27.86	-13.00	-52.51	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR Band 77 70M Ch663000 1RB1 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	7828.00	-45.66	RMS	37.00	-22.14	-5.37	-95.23	40.08	-13.00	-32.66	Vertical
2	11741.00	-45.57	RMS	38.82	-18.58	-6.48	-95.23	35.90	-13.00	-32.57	Vertical
3	15655.00	-43.62	RMS	37.89	-15.74	-7.28	-95.23	36.74	-13.00	-30.62	Vertical
4	19568.00	-58.40	RMS	38.13	-32.98	-9.54	-95.23	41.22	-13.00	-45.40	Vertical
5	23482.00	-67.95	RMS	38.74	-30.59	-9.54	-95.23	28.67	-13.00	-54.95	Vertical
6	27396.00	-65.40	RMS	39.68	-28.28	-9.54	-95.23	27.97	-13.00	-52.40	Vertical

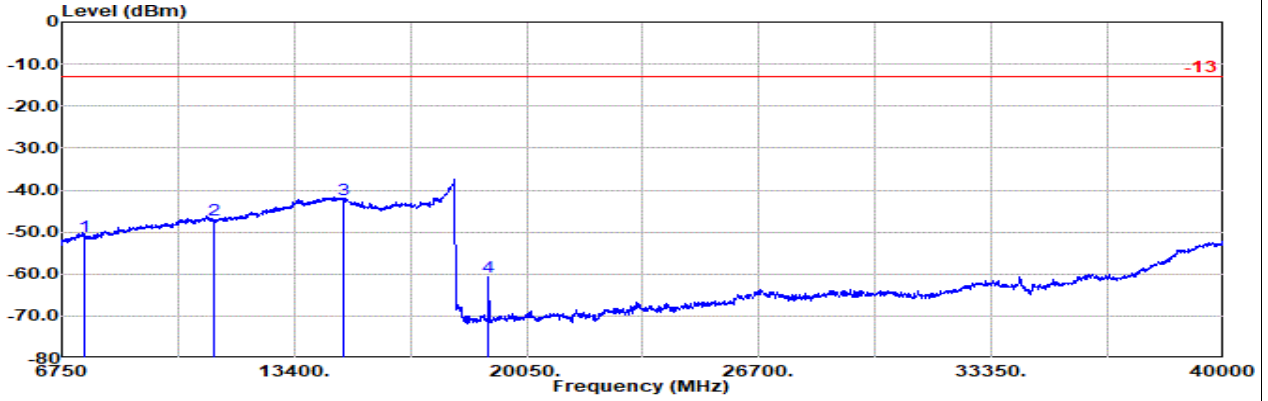


Ant 3(Secondary cell antenna)

Part 270 Mode 3

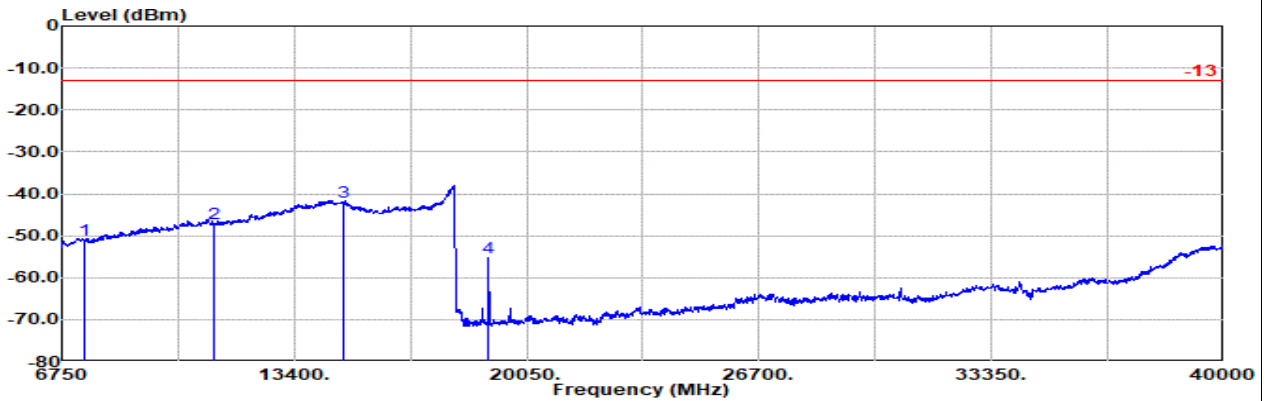
EN-DC B2+n77 10M + 100M Ch18900 1RB0 QPSK + Ch650000 1RB1 BPSK (HPUE)

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch650000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	g	dBm	dB	
1	7402.00	-51.10	RMS	36.70	-22.24	-5.18	-95.23	34.85	-13.00	-38.10	Horizontal
2	11103.00	-46.95	RMS	39.01	-18.77	-6.35	-95.23	34.39	-13.00	-33.95	Horizontal
3	14805.00	-42.28	RMS	40.59	-15.45	-7.09	-95.23	34.90	-13.00	-29.28	Horizontal
4	18960.00	-60.70	RMS	38.22	-33.82	-9.54	-95.23	39.67	-13.00	-47.70	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch650000 1RB1 BPSK

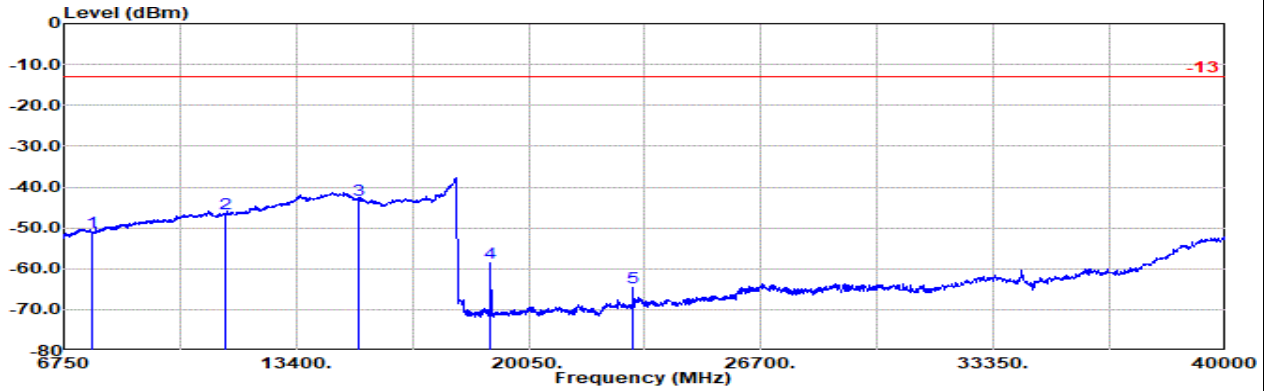
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	g	dBm	dB	
1	7402.00	-51.09	RMS	36.70	-22.24	-5.18	-95.23	34.86	-13.00	-38.09	Vertical
2	11103.00	-47.16	RMS	39.01	-18.77	-6.35	-95.23	34.18	-13.00	-34.16	Vertical
3	14805.00	-42.00	RMS	40.59	-15.45	-7.09	-95.23	35.18	-13.00	-29.00	Vertical
4	18960.00	-55.32	RMS	38.22	-33.82	-9.54	-95.23	45.05	-13.00	-42.32	Vertical



Part 270 Mode 3

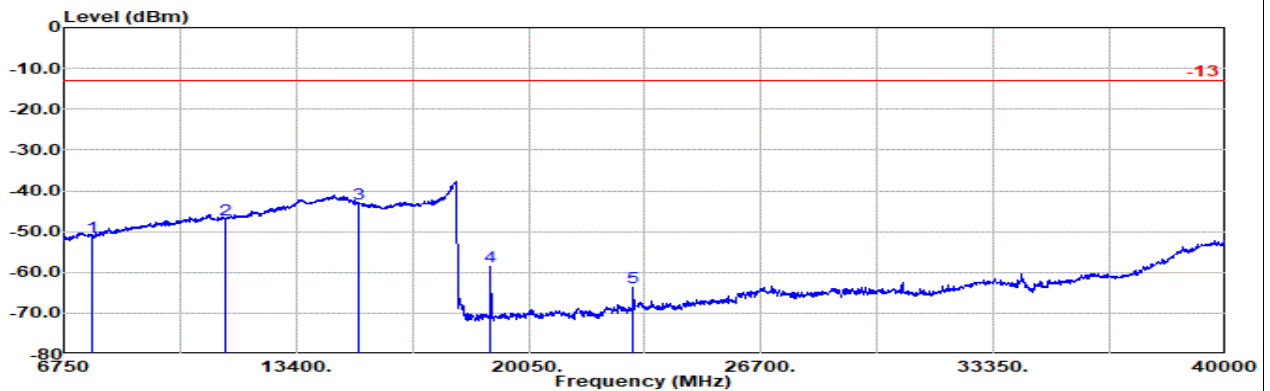
EN-DC B2+n77 10M + 100M Ch18900 1RB0 QPSK + Ch656000 1RB1 BPSK (HPUE)

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch656000 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 7582.00	-51.07	RMS	36.40	-22.17	-5.28	-95.23	35.21	-13.00	-38.07	Horizontal
2 11373.00	-46.54	RMS	39.25	-18.72	-6.41	-95.23	34.57	-13.00	-33.54	Horizontal
3 15165.00	-43.24	RMS	39.47	-15.75	-7.17	-95.23	35.44	-13.00	-30.24	Horizontal
4 18960.00	-58.68	RMS	38.22	-33.82	-9.54	-95.23	41.69	-13.00	-45.68	Horizontal
5 23040.00	-64.57	RMS	38.84	-30.81	-9.54	-95.23	32.17	-13.00	-51.57	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch656000 1RB1 BPSK

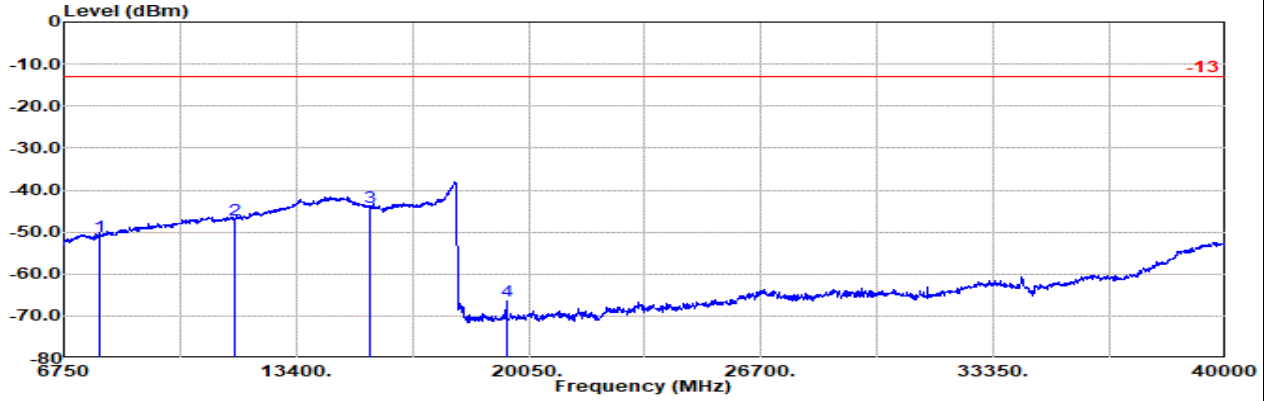
Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 7582.00	-51.42	RMS	36.40	-22.17	-5.28	-95.23	34.86	-13.00	-38.42	Vertical
2 11373.00	-47.05	RMS	39.25	-18.72	-6.41	-95.23	34.06	-13.00	-34.05	Vertical
3 15165.00	-43.12	RMS	39.47	-15.75	-7.17	-95.23	35.56	-13.00	-30.12	Vertical
4 18960.00	-58.50	RMS	38.22	-33.82	-9.54	-95.23	41.87	-13.00	-45.50	Vertical
5 23048.00	-63.69	RMS	38.89	-30.81	-9.54	-95.23	33.00	-13.00	-50.69	Vertical



Part 270 Mode 3

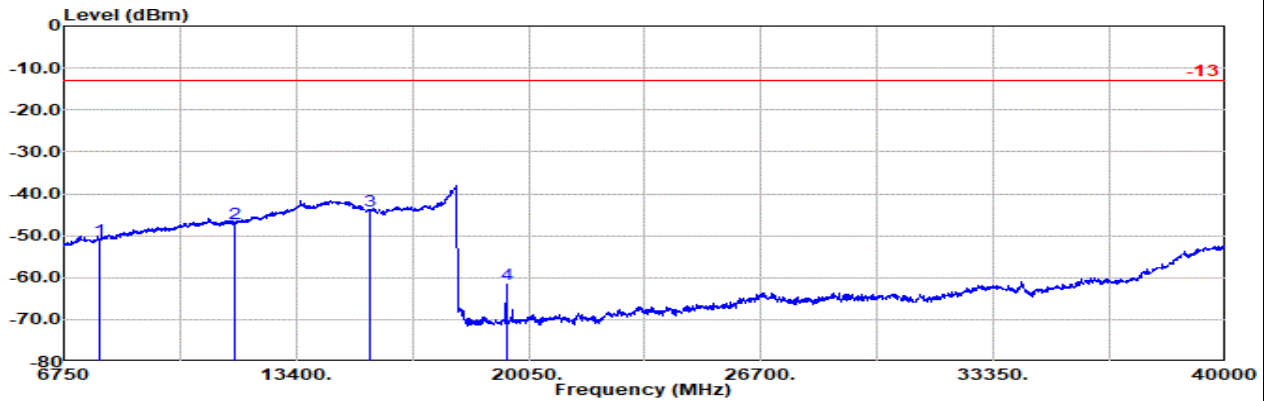
EN-DC B2+n77 10M + 100M Ch18900 1RB0 QPSK + Ch662000 1RB1 BPSK (HPUE)

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch662000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7762.00	-51.14	RMS	36.85	-22.17	-5.38	-95.23	34.79	-13.00	-38.14	Horizontal
2	11643.00	-47.01	RMS	38.73	-18.63	-6.46	-95.23	34.58	-13.00	-34.01	Horizontal
3	15525.00	-44.08	RMS	38.50	-15.79	-7.25	-95.23	35.69	-13.00	-31.08	Horizontal
4	19408.00	-66.34	RMS	37.95	-33.20	-9.54	-95.23	33.68	-13.00	-53.34	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 2 10M Ch18900 1RB0 QPSK
 : NR Band 77 100M Ch662000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7762.00	-51.16	RMS	36.85	-22.17	-5.38	-95.23	34.77	-13.00	-38.16	Vertical
2	11643.00	-46.96	RMS	38.73	-18.63	-6.46	-95.23	34.63	-13.00	-33.96	Vertical
3	15525.00	-44.07	RMS	38.50	-15.79	-7.25	-95.23	35.70	-13.00	-31.07	Vertical
4	19408.00	-61.46	RMS	37.95	-33.20	-9.54	-95.23	38.56	-13.00	-48.46	Vertical

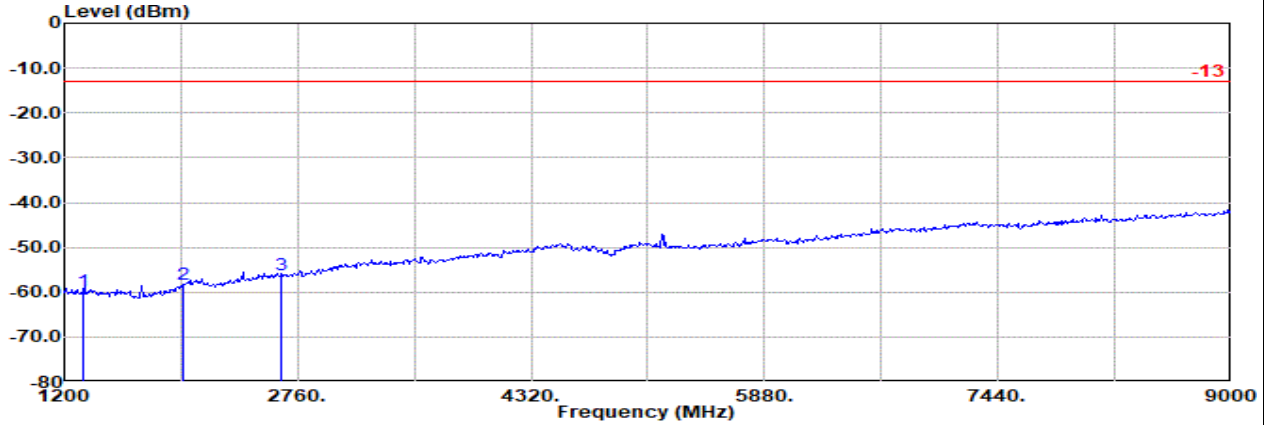


Ant 4 (Primary cell antenna)

Part 27N Mode 2

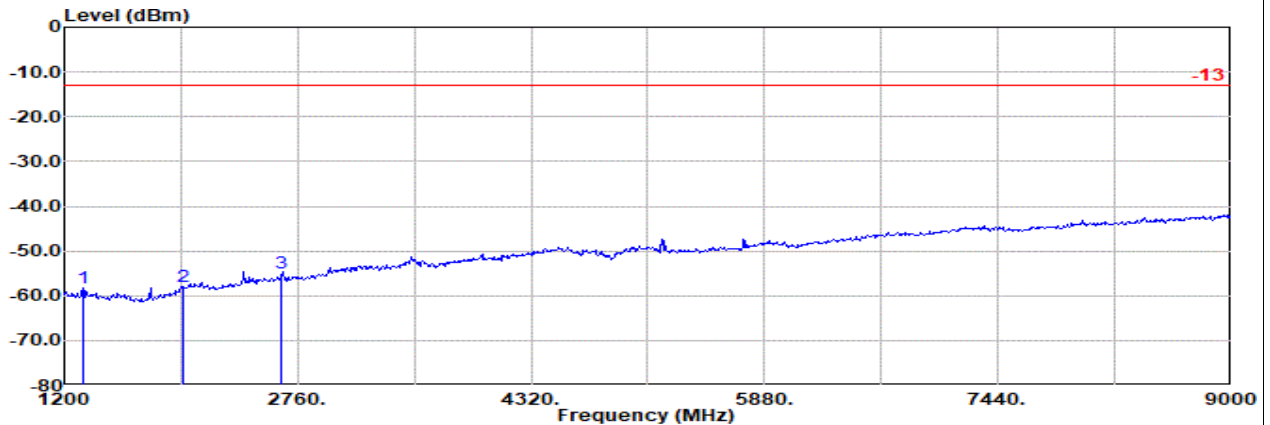
NR SA n71 10M Ch133600 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n71 10M Ch133600 1RB1 BPSK

	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	-59.87	RMS	25.92	-29.11	1.03	-95.23	37.52	-13.00	-46.87	Horizontal	
2	1991.00	-58.22	RMS	26.72	-27.27	0.71	-95.23	36.85	-13.00	-45.22	Horizontal	
3	2655.00	-56.13	RMS	28.50	-26.45	0.63	-95.23	36.42	-13.00	-43.13	Horizontal	



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n71 10M Ch133600 1RB1 BPSK

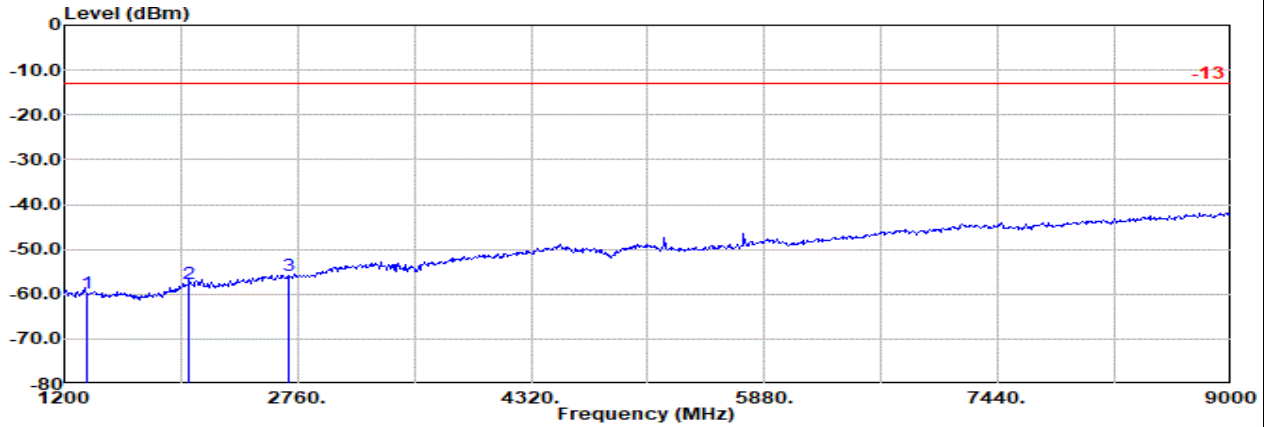
	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1324.80	-58.15	RMS	25.95	-29.13	1.04	-95.23	39.22	-13.00	-45.15	Vertical	
2	1991.00	-58.09	RMS	26.72	-27.27	0.71	-95.23	36.98	-13.00	-45.09	Vertical	
3	2655.00	-54.88	RMS	28.50	-26.45	0.63	-95.23	37.67	-13.00	-41.88	Vertical	



Part 27N Mode 2

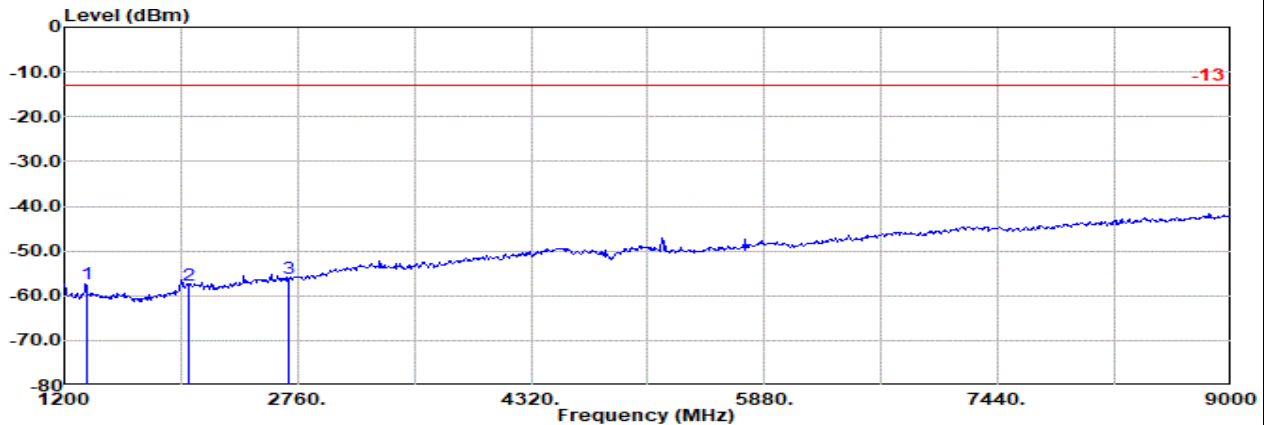
NR SA n71 10M Ch136100 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n71 10M Ch136100 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1356.00	-59.85	RMS	25.78	-28.98		0.97	-95.23	37.61	-13.00	-46.85	Horizontal
2	2029.00	-57.78	RMS	27.19	-27.24		0.71	-95.23	36.79	-13.00	-44.78	Horizontal
3	2705.00	-55.94	RMS	28.45	-26.38		0.61	-95.23	36.61	-13.00	-42.94	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n71 10M Ch136100 1RB1 BPSK

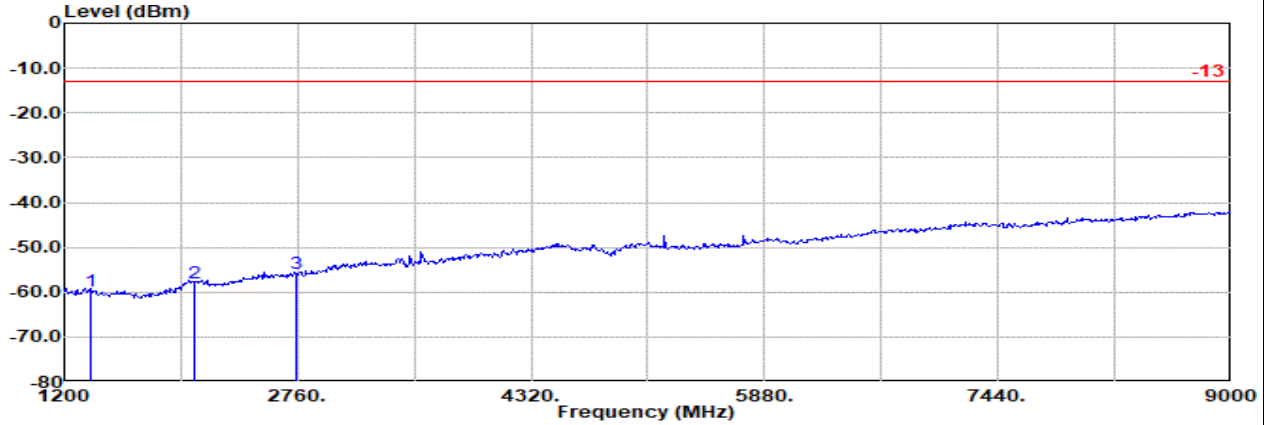
	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1352.00	-57.40	RMS	25.86	-29.00		0.98	-95.23	39.99	-13.00	-44.40	Vertical
2	2029.00	-57.57	RMS	27.19	-27.24		0.71	-95.23	37.00	-13.00	-44.57	Vertical
3	2705.00	-56.26	RMS	28.45	-26.38		0.61	-95.23	36.29	-13.00	-43.26	Vertical



Part 27N Mode 2

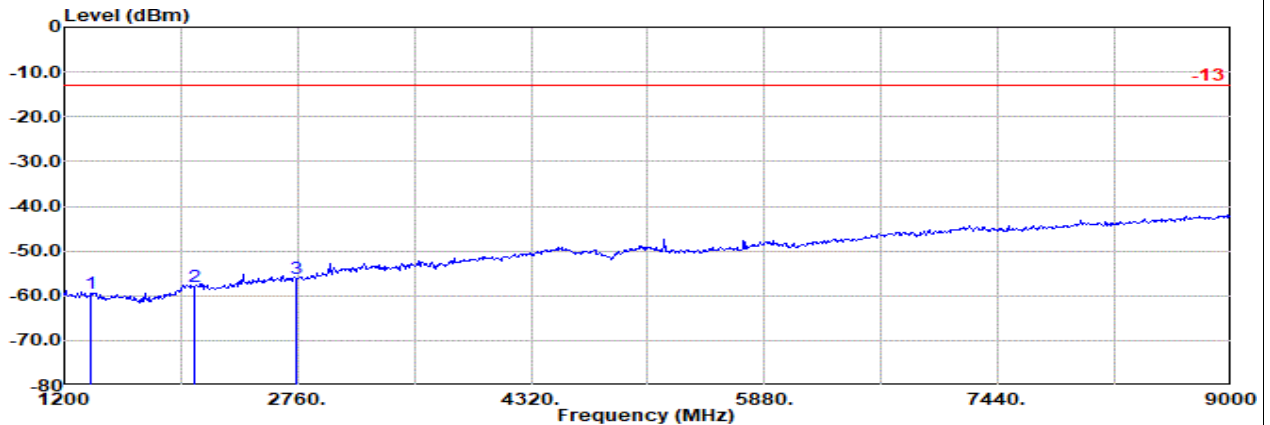
NR SA n71 10M Ch138600 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n71 10M Ch138600 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1378.00	-59.80	RMS	25.70	-28.87	0.91	-95.23	37.69	-13.00	-46.80	Horizontal	
2	2066.00	-57.84	RMS	27.26	-27.23	0.71	-95.23	36.65	-13.00	-44.84	Horizontal	
3	2755.00	-56.00	RMS	28.50	-26.30	0.60	-95.23	36.43	-13.00	-43.00	Horizontal	



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n71 10M Ch138600 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1378.00	-59.53	RMS	25.70	-28.87	0.91	-95.23	37.96	-13.00	-46.53	Vertical	
2	2066.00	-58.09	RMS	27.26	-27.23	0.71	-95.23	36.40	-13.00	-45.09	Vertical	
3	2755.00	-56.04	RMS	28.50	-26.30	0.60	-95.23	36.39	-13.00	-43.04	Vertical	

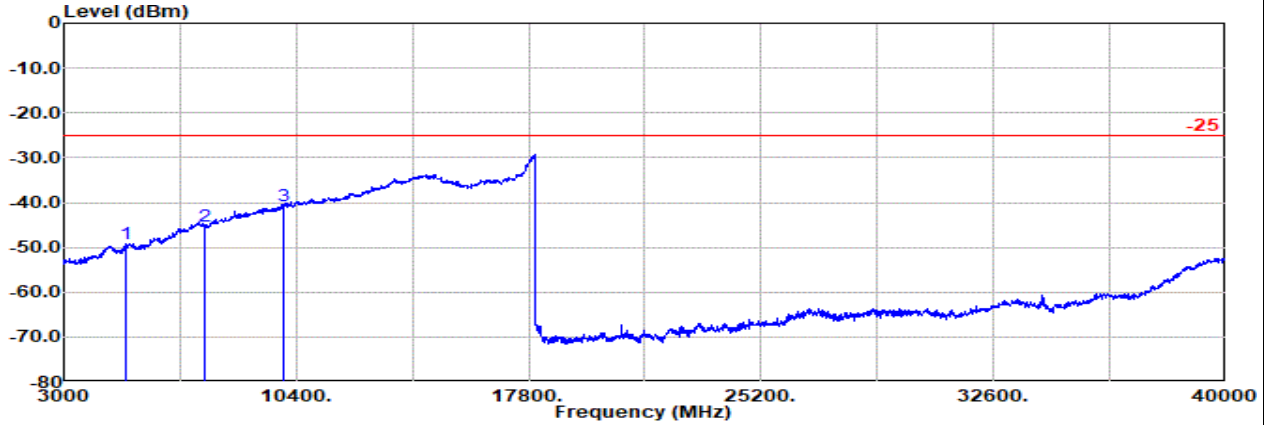


Ant 3(Secondary cell antenna)

Part 27M Mode 3

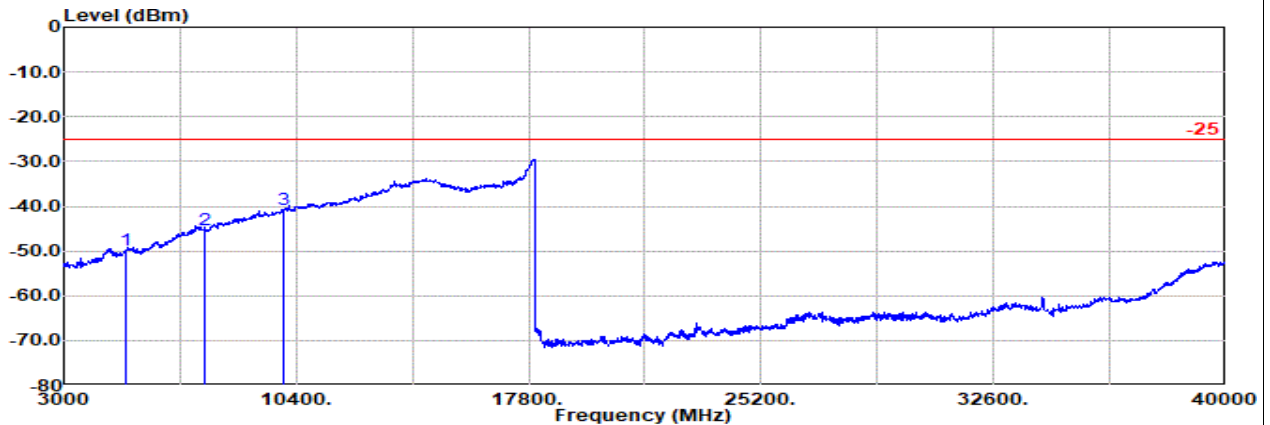
NR SA n41 50M Ch504204 1RB1 BPSK (HPUE)

L



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 50M Ch504204 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4997.00	-49.31	RMS	33.18	-23.85	0.63	-95.23	35.96	-25.00	-24.31	Horizontal
2	7496.00	-45.15	RMS	36.52	-22.20	0.70	-95.23	35.06	-25.00	-20.15	Horizontal
3	9995.00	-40.89	RMS	38.58	-20.39	0.78	-95.23	35.37	-25.00	-15.89	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 50M Ch504204 1RB1 BPSK

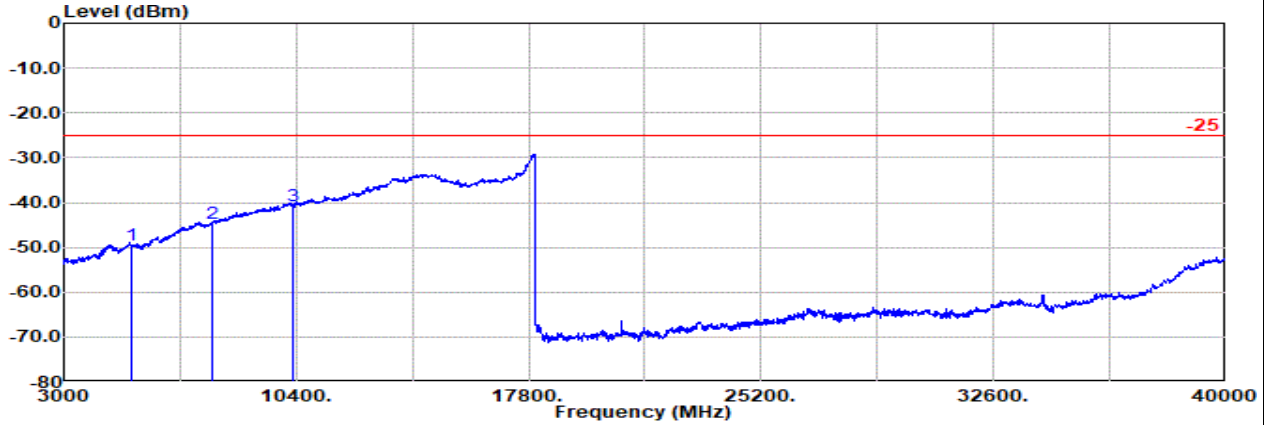
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4997.00	-49.88	RMS	33.18	-23.85	0.63	-95.23	35.39	-25.00	-24.88	Vertical
2	7496.00	-45.19	RMS	36.52	-22.20	0.70	-95.23	35.02	-25.00	-20.19	Vertical
3	9995.00	-40.64	RMS	38.58	-20.39	0.78	-95.23	35.62	-25.00	-15.64	Vertical



Part 27M Mode 3

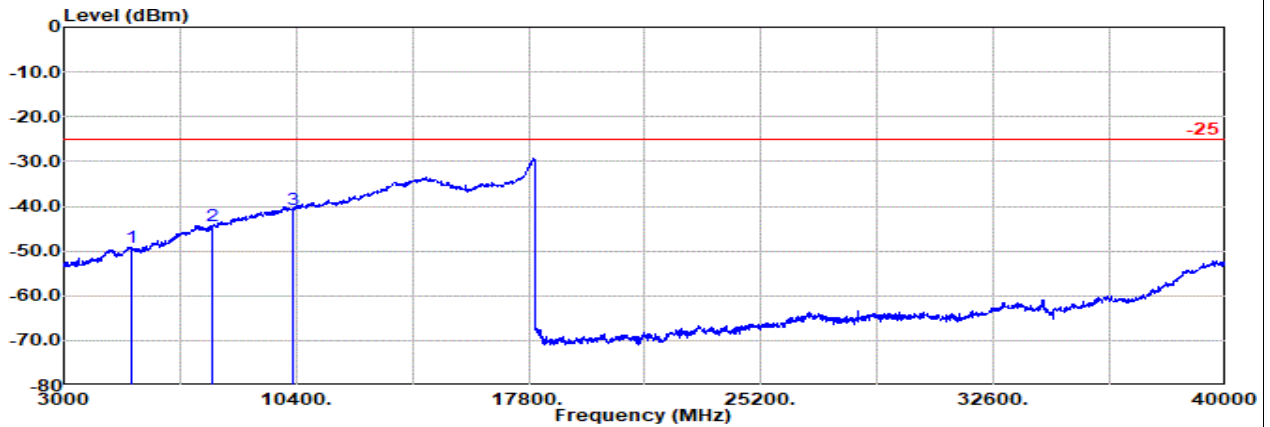
NR SA n41 50M Ch518598 1RB1 BPSK (HPUE)

M



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 50M Ch518598 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5141.00	-49.53	RMS	33.25	-23.66	0.69	-95.23	35.42	-25.00	-24.53	Horizontal
2	7712.00	-44.63	RMS	36.72	-22.17	0.81	-95.23	35.24	-25.00	-19.63	Horizontal
3	10283.00	-40.78	RMS	38.83	-20.02	0.78	-95.23	34.86	-25.00	-15.78	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 50M Ch518598 1RB1 BPSK

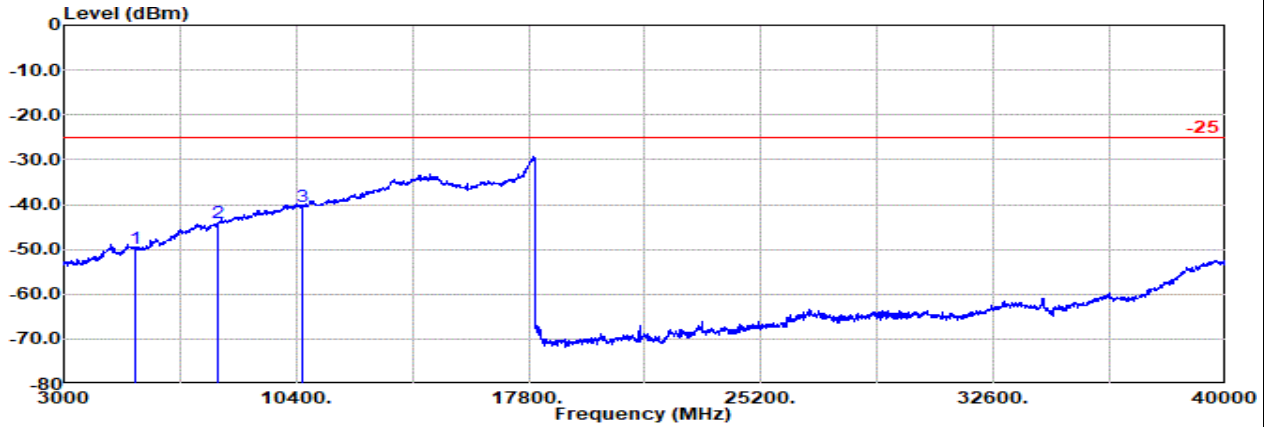
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5141.00	-49.15	RMS	33.25	-23.66	0.69	-95.23	35.80	-25.00	-24.15	Vertical
2	7712.00	-44.36	RMS	36.72	-22.17	0.81	-95.23	35.51	-25.00	-19.36	Vertical
3	10283.00	-40.78	RMS	38.83	-20.02	0.78	-95.23	34.86	-25.00	-15.78	Vertical



Part 27M Mode 3

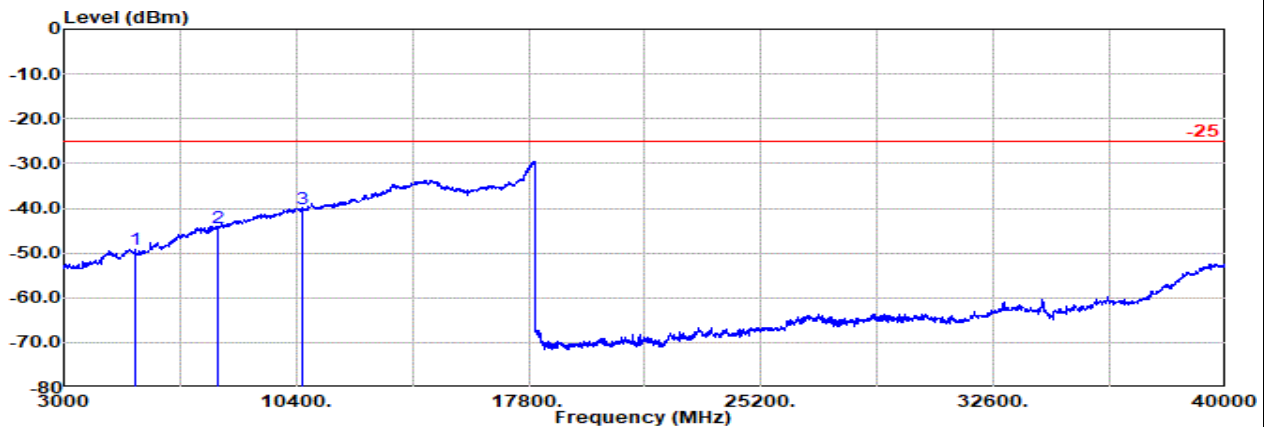
NR SA n41 50M Ch532998 1RB1 BPSK (HPUE)

H



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 50M Ch532998 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 5285.00	-49.88	RMS	33.20	-23.46	0.74	-95.23	34.87	-25.00	-24.88	Horizontal
2 7928.00	-44.10	RMS	37.16	-22.06	0.92	-95.23	35.11	-25.00	-19.10	Horizontal
3 10571.00	-40.56	RMS	39.08	-19.61	0.77	-95.23	34.43	-25.00	-15.56	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 50M Ch532998 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 5285.00	-49.32	RMS	33.20	-23.46	0.74	-95.23	35.43	-25.00	-24.32	Vertical
2 7928.00	-44.49	RMS	37.16	-22.06	0.92	-95.23	34.72	-25.00	-19.49	Vertical
3 10571.00	-40.08	RMS	39.08	-19.61	0.77	-95.23	34.91	-25.00	-15.08	Vertical

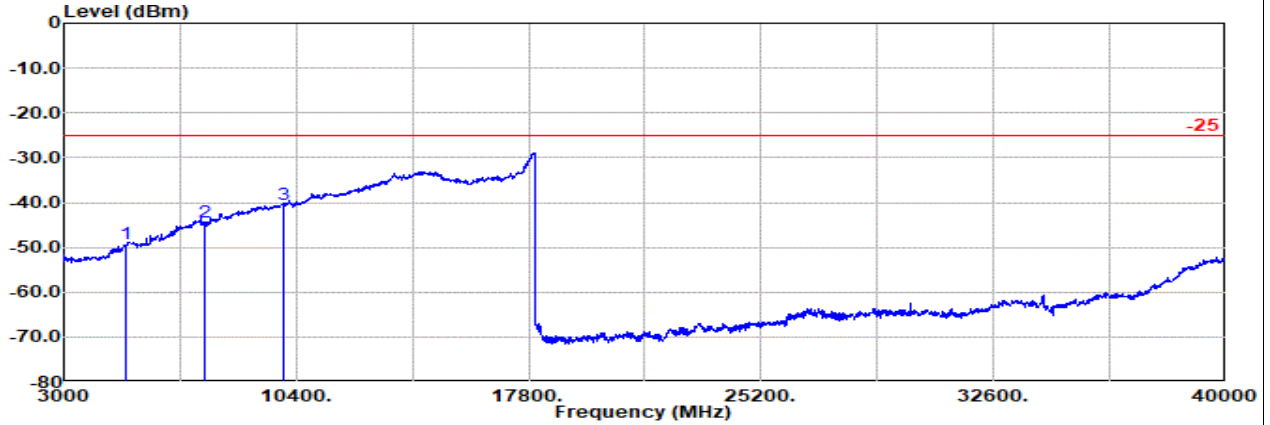


Ant 4+3(Primary + Secondary cell antenna)

Part 27M Mode 4

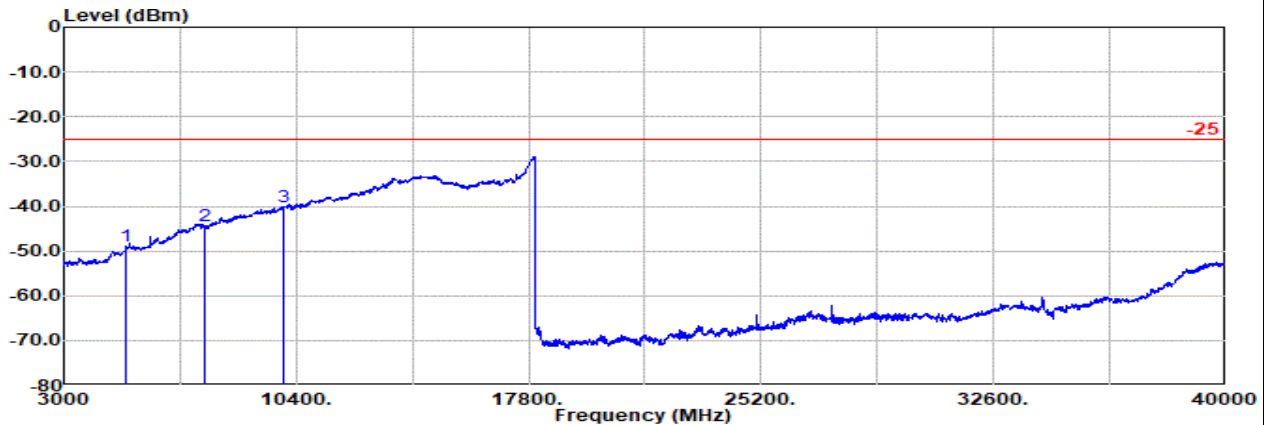
NR SA n41 20M Ch501204 1RB1 BPSK (MIMO)

L



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 20M Ch501204 1RB1 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	4994.00	-49.34	RMS	33.16	-23.85	0.63	-95.23	0.00	-25.00	-24.34	Horizontal
2	7491.00	-44.47	RMS	36.54	-22.20	0.70	-95.23	35.72	-25.00	-19.47	Horizontal
3	9988.00	-40.39	RMS	38.55	-20.40	0.78	-95.23	35.91	-25.00	-15.39	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 20M Ch501204 1RB1 QPSK

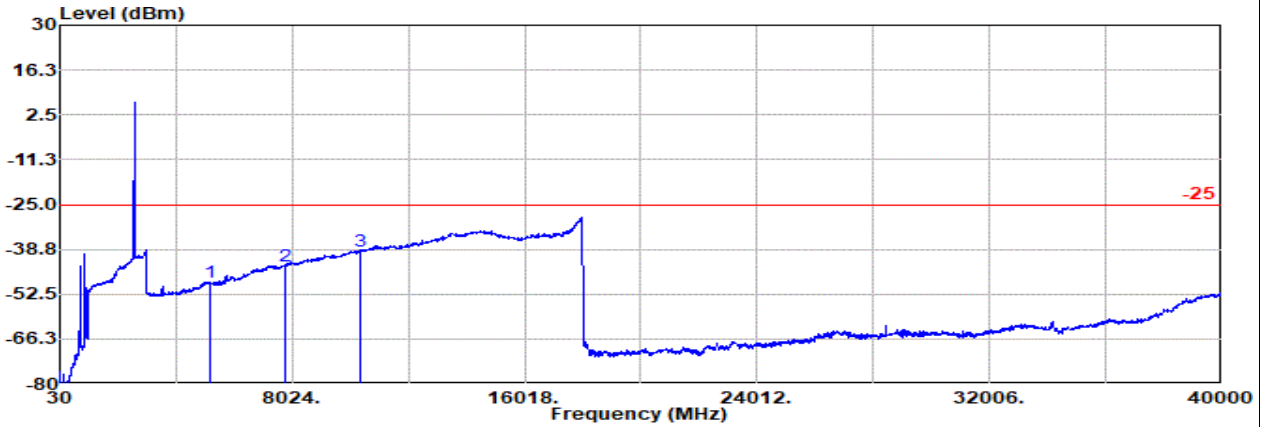
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4994.00	-49.03	RMS	33.16	-23.85	0.63	-95.23	36.26	-25.00	-24.03	Vertical
2	7491.00	-44.41	RMS	36.54	-22.20	0.70	-95.23	35.78	-25.00	-19.41	Vertical
3	9988.00	-40.30	RMS	38.55	-20.40	0.78	-95.23	36.00	-25.00	-15.30	Vertical



Part 27M Mode 4

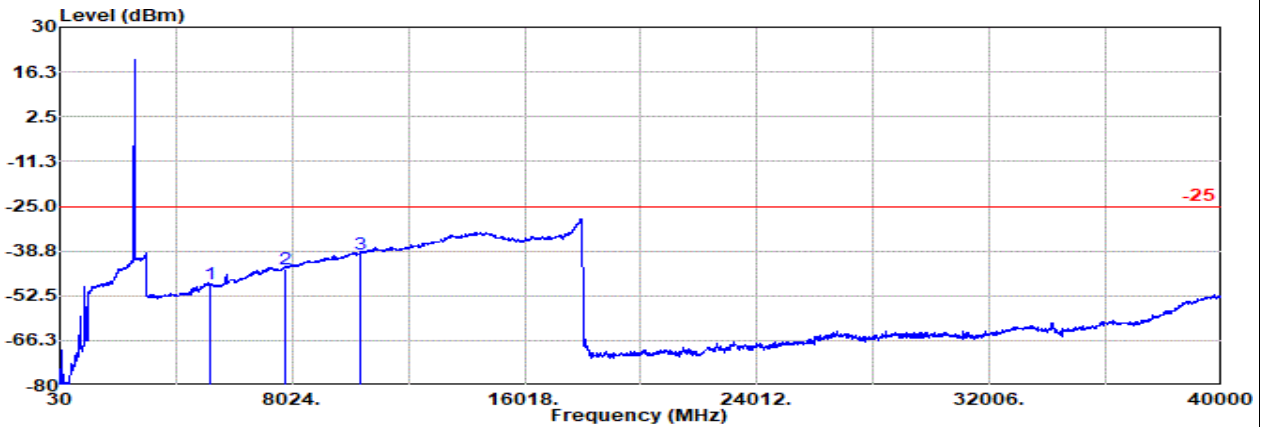
NR SA n41 20M Ch518598 1RB1 BPSK (MIMO)

M



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 20M Ch518598 1RB1 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 5168.00	-48.77	RMS	33.16	-23.62	0.70	-95.23	36.22	-25.00	-23.77	Horizontal
2 7752.00	-43.94	RMS	36.81	-22.17	0.83	-95.23	35.82	-25.00	-18.94	Horizontal
3 10336.00	-39.49	RMS	39.02	-19.95	0.78	-95.23	35.89	-25.00	-14.49	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 20M Ch518598 1RB1 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 5168.00	-48.80	RMS	33.16	-23.62	0.70	-95.23	36.19	-25.00	-23.80	Vertical
2 7752.00	-44.15	RMS	36.81	-22.17	0.83	-95.23	35.61	-25.00	-19.15	Vertical
3 10336.00	-39.56	RMS	39.02	-19.95	0.78	-95.23	35.82	-25.00	-14.56	Vertical

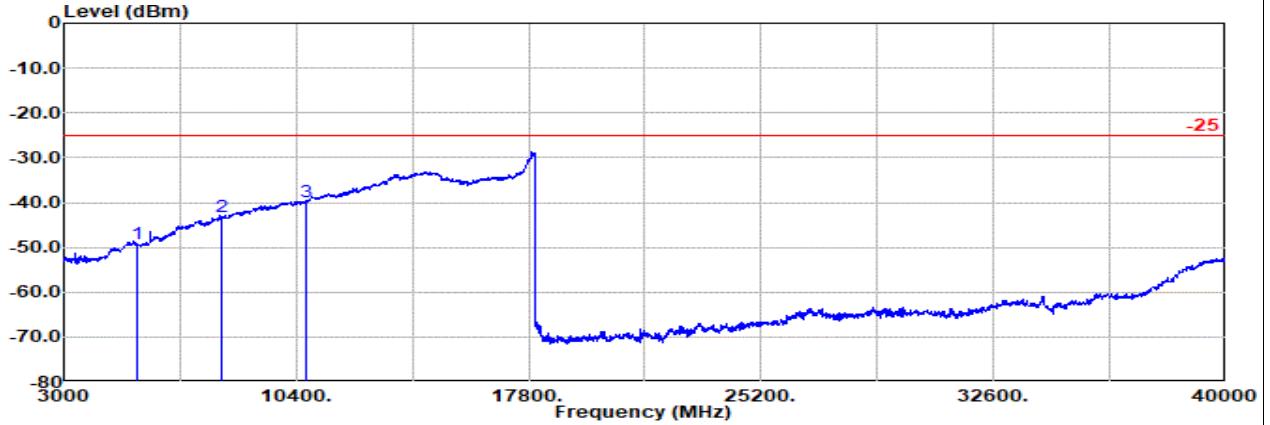
Remark: The limit signal before #1 is fundamental signal which can be ignored.



Part 27M Mode 4

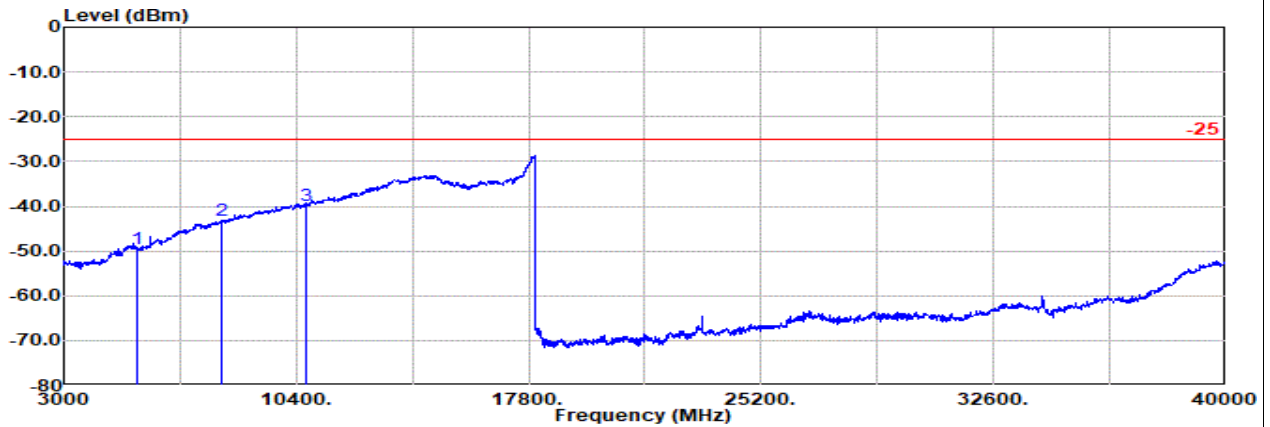
NR SA n41 20M Ch535998 1RB1 BPSK (MIMO)

H



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Horizontal
 : NR SA n41 20M Ch535998 1RB1 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5342.00	-49.31	RMS	33.20	-23.37	0.76	-95.23	35.33	-25.00	-24.31	Horizontal
2	8013.00	-43.23	RMS	37.30	-21.99	0.95	-95.23	35.74	-25.00	-18.23	Horizontal
3	10684.00	-39.90	RMS	39.30	-19.39	0.77	-95.23	34.65	-25.00	-14.90	Horizontal



Site : 03CH12-HY
 Condition: -25 3m 9120D-02114-230731 Vertical
 : NR SA n41 20M Ch535998 1RB1 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	5342.00	-49.38	RMS	33.20	-23.37	0.76	-95.23	35.26	-25.00	-24.38	Vertical
2	8013.00	-43.04	RMS	37.30	-21.99	0.95	-95.23	35.93	-25.00	-18.04	Vertical
3	10684.00	-39.86	RMS	39.30	-19.39	0.77	-95.23	34.69	-25.00	-14.86	Vertical

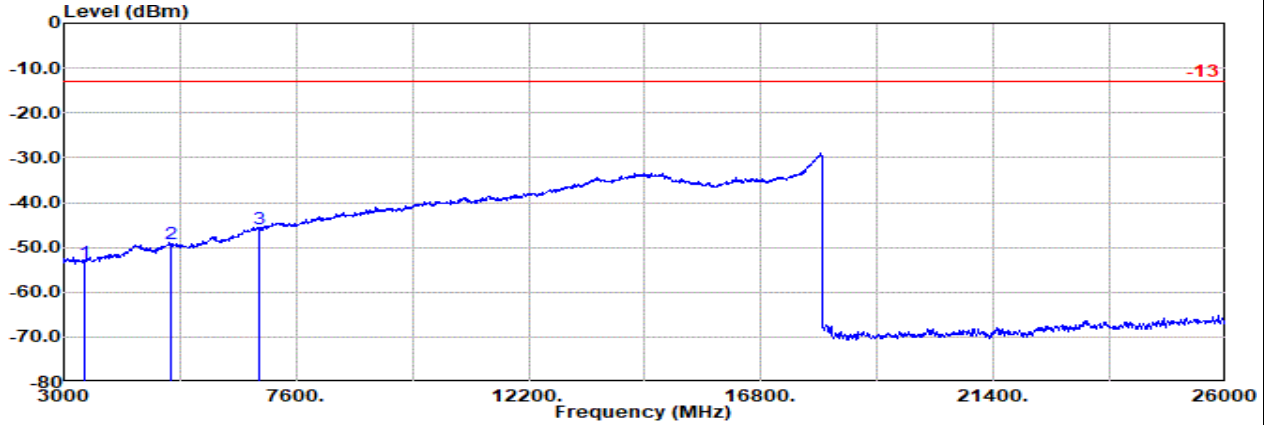


Ant 4(Primary cell antenna)

Part 27L Mode 5

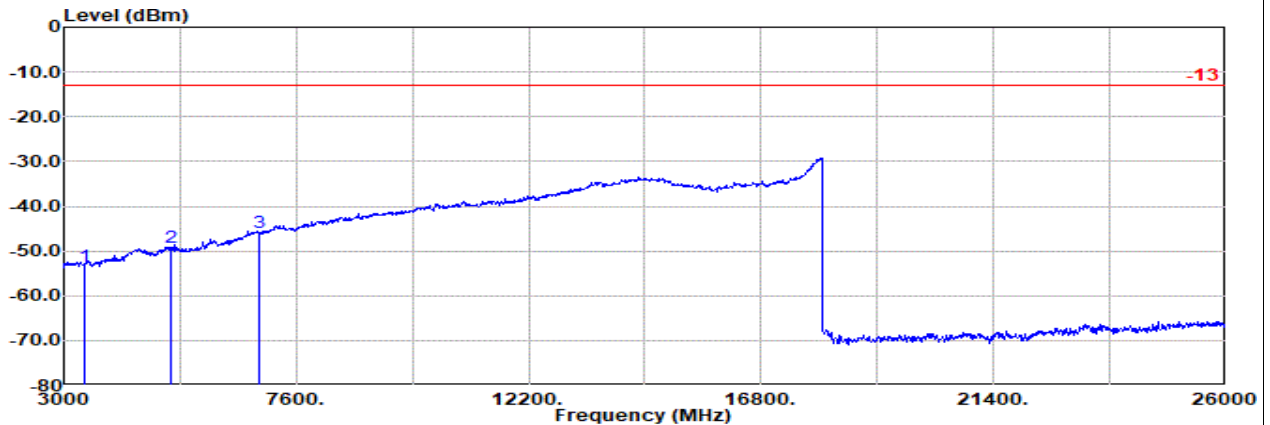
NR SA n66 20M Ch344000 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n66 20M Ch344000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3422.00	-53.47	RMS	29.74	-24.56	1.20	-95.23	35.38	-13.00	-40.47	Horizontal
2	5133.00	-49.13	RMS	33.30	-23.67	0.68	-95.23	35.79	-13.00	-36.13	Horizontal
3	6854.00	-46.03	RMS	36.18	-22.53	0.73	-95.23	34.82	-13.00	-33.03	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n66 20M Ch344000 1RB1 BPSK

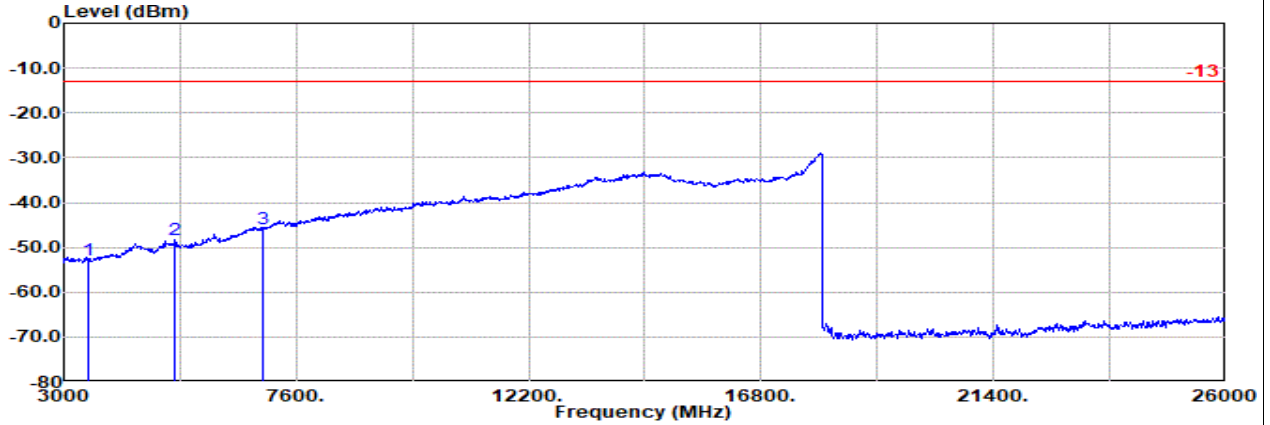
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3422.00	-53.43	RMS	29.74	-24.56	1.20	-95.23	35.42	-13.00	-40.43	Vertical
2	5133.00	-49.27	RMS	33.30	-23.67	0.68	-95.23	35.65	-13.00	-36.27	Vertical
3	6854.00	-45.93	RMS	36.18	-22.53	0.73	-95.23	34.92	-13.00	-32.93	Vertical



Part 27L Mode 5

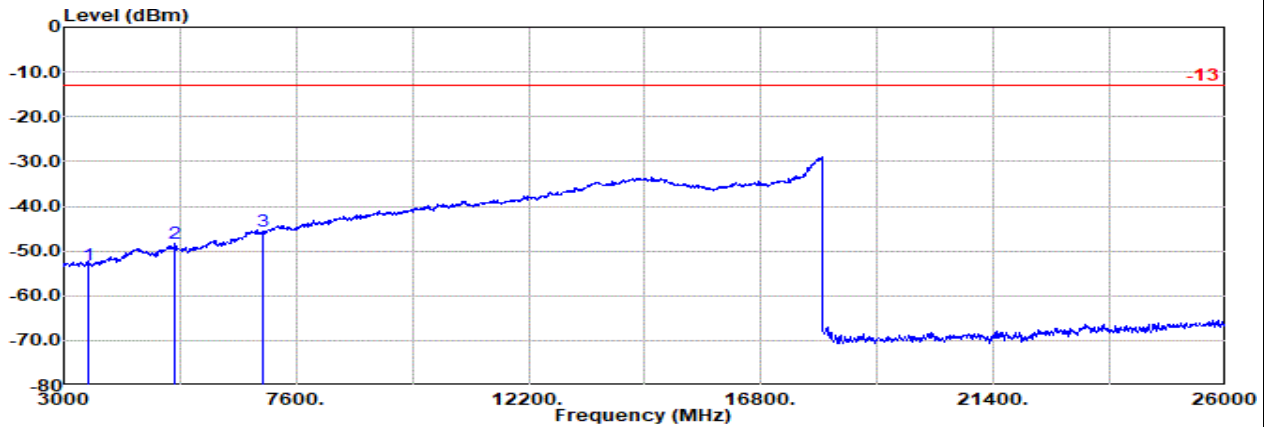
NR SA n66 20M Ch349000 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n66 20M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3472.00	-52.70	RMS	29.71	-24.43	1.21	-95.23	36.04	-13.00	-39.70	Horizontal
2	5208.00	-48.34	RMS	33.12	-23.57	0.71	-95.23	36.63	-13.00	-35.34	Horizontal
3	6945.00	-45.75	RMS	36.00	-22.51	0.71	-95.23	35.28	-13.00	-32.75	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n66 20M Ch349000 1RB1 BPSK

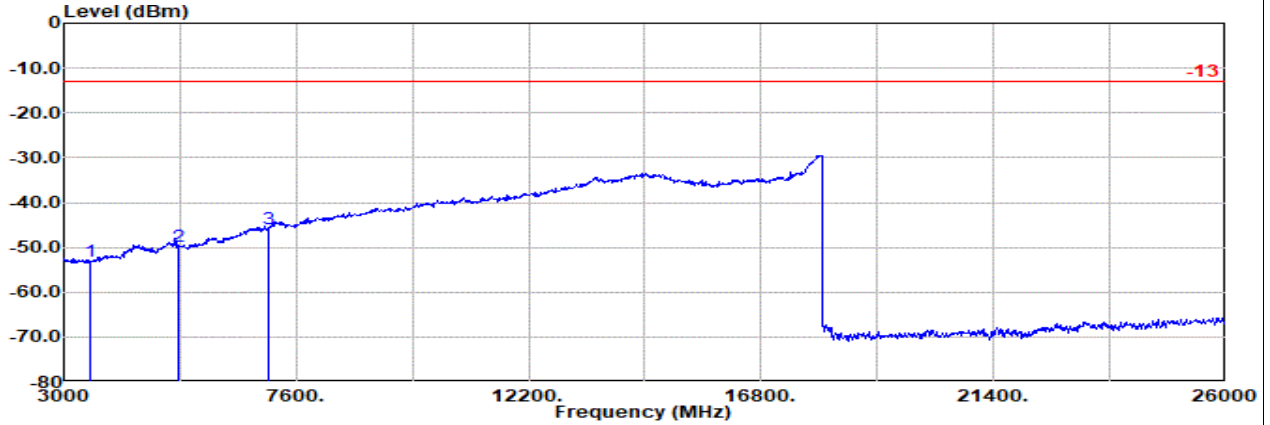
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3472.00	-53.16	RMS	29.71	-24.43	1.21	-95.23	35.58	-13.00	-40.16	Vertical
2	5208.00	-48.30	RMS	33.12	-23.57	0.71	-95.23	36.67	-13.00	-35.30	Vertical
3	6945.00	-45.67	RMS	36.00	-22.51	0.71	-95.23	35.36	-13.00	-32.67	Vertical



Part 27L Mode 5

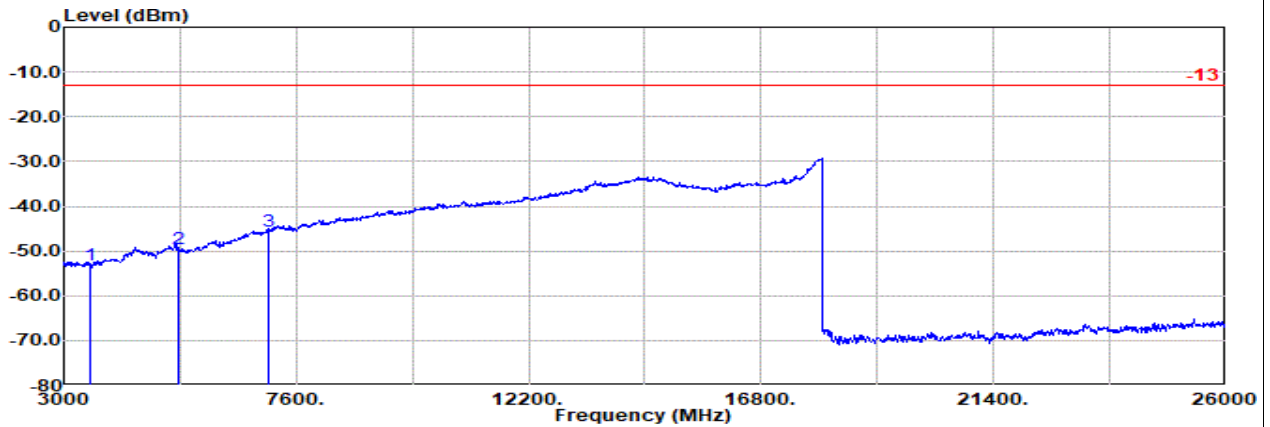
NR SA n66 20M Ch354000 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : NR SA n66 20M Ch354000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-53.01	RMS	29.60	-24.35	1.22	-95.23	35.75	-13.00	-40.01	Horizontal
2	5283.00	-49.70	RMS	33.20	-23.46	0.74	-95.23	35.05	-13.00	-36.70	Horizontal
3	7045.00	-45.75	RMS	36.28	-22.50	0.70	-95.23	35.00	-13.00	-32.75	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : NR SA n66 20M Ch354000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-53.21	RMS	29.60	-24.35	1.22	-95.23	35.55	-13.00	-40.21	Vertical
2	5283.00	-49.58	RMS	33.20	-23.46	0.74	-95.23	35.17	-13.00	-36.58	Vertical
3	7045.00	-45.68	RMS	36.28	-22.50	0.70	-95.23	35.07	-13.00	-32.68	Vertical

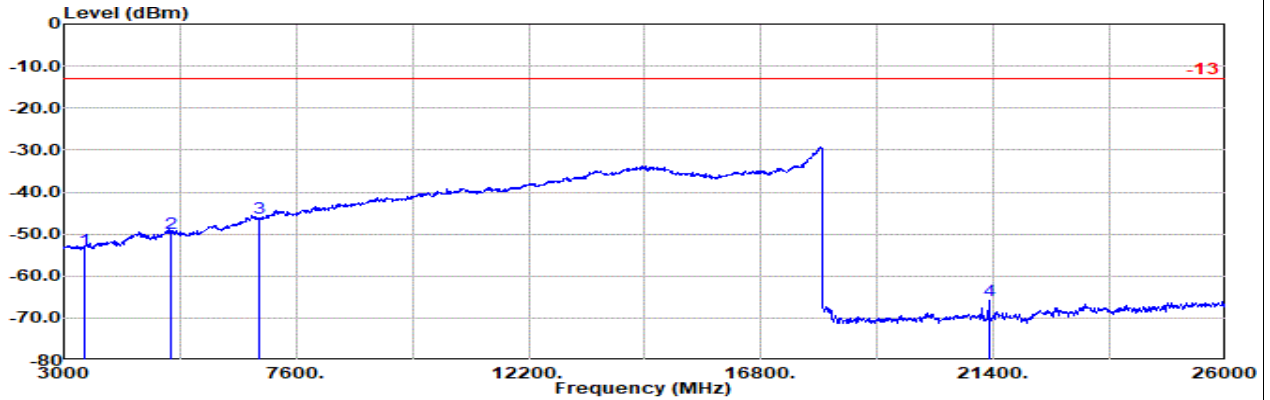


Ant 4(Primary cell antenna)

Part 27L Mode 6

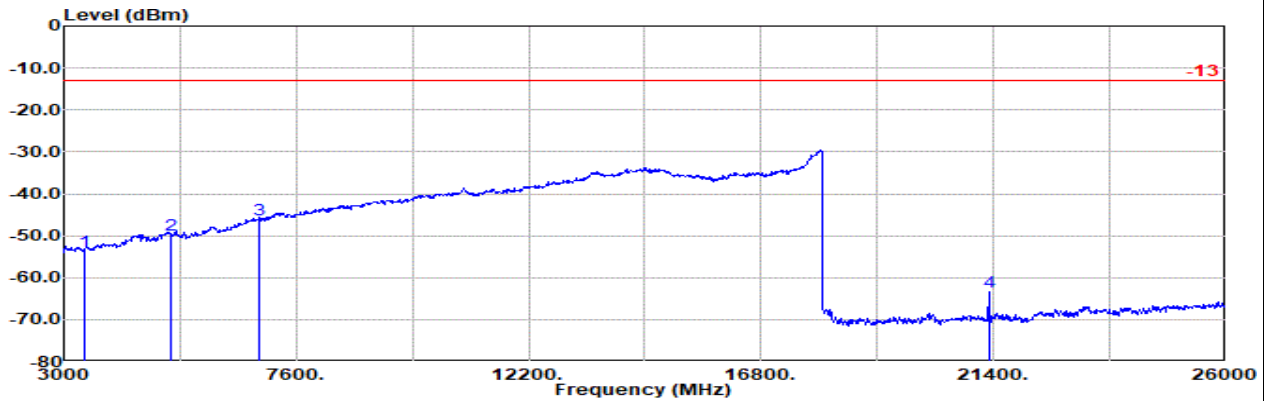
EN-DC B5+n66 10M + 40M Ch20525 1RB0 QPSK + Ch346000 1RB1 BPSK

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch346000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1						
1	3424.00	-53.68	RMS	29.75	-24.56	1.20	-95.23	35.16	-13.00	-40.68	Horizontal
2	5136.00	-49.75	RMS	33.28	-23.67	0.68	-95.23	35.19	-13.00	-36.75	Horizontal
3	6849.00	-46.33	RMS	36.20	-22.53	0.73	-95.23	34.50	-13.00	-33.33	Horizontal
4	21304.00	-65.88	RMS	37.98	-31.66	-9.54	-95.23	32.57	-13.00	-52.88	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch346000 1RB1 BPSK

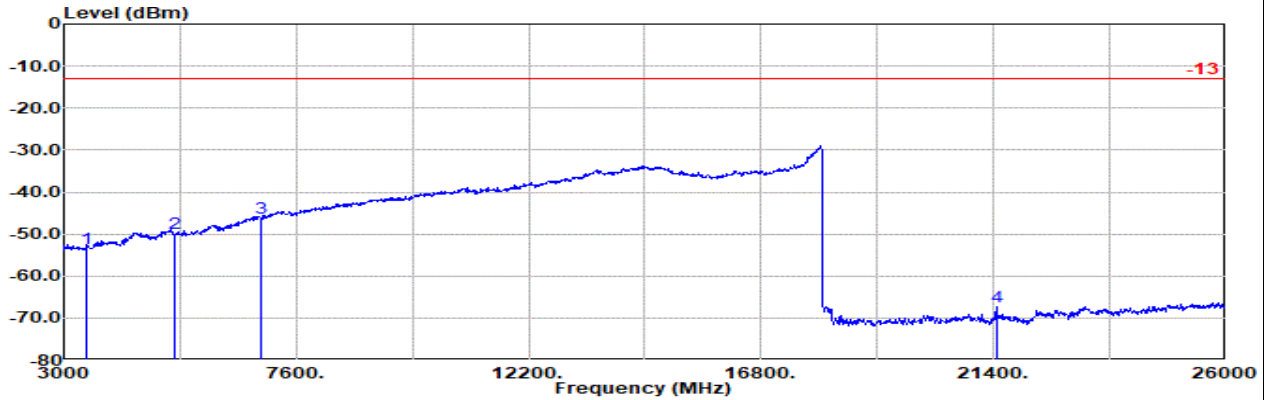
	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1						
1	3424.00	-53.65	RMS	29.75	-24.56	1.20	-95.23	35.19	-13.00	-40.65	Vertical
2	5136.00	-49.78	RMS	33.28	-23.67	0.68	-95.23	35.16	-13.00	-36.78	Vertical
3	6849.00	-46.30	RMS	36.20	-22.53	0.73	-95.23	34.53	-13.00	-33.30	Vertical
4	21304.00	-63.28	RMS	37.98	-31.66	-9.54	-95.23	35.17	-13.00	-50.28	Vertical



Part 27L Mode 6

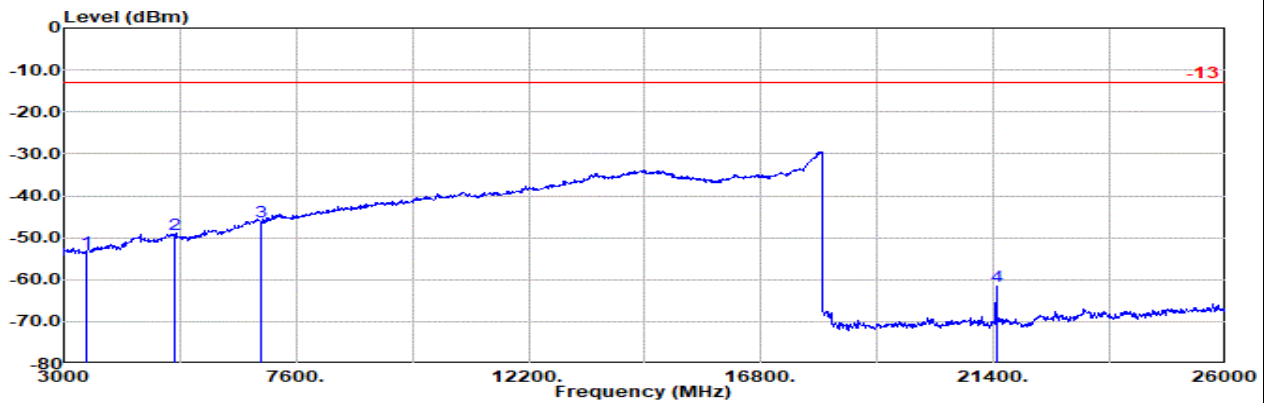
EN-DC B5+n66 10M + 40M Ch20525 1RB0 QPSK + Ch349000 1RB1 BPSK

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch349000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	3454.00	-53.51	RMS	29.78	-24.48	1.20 -95.23	35.22	-13.00	-40.51	Horizontal
2	5181.00	-49.86	RMS	33.14	-23.61	0.70 -95.23	35.14	-13.00	-36.86	Horizontal
3	6909.00	-46.29	RMS	36.00	-22.52	0.72 -95.23	34.74	-13.00	-33.29	Horizontal
4	21456.00	-67.23	RMS	38.38	-31.60	-9.54 -95.23	30.76	-13.00	-54.23	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch349000 1RB1 BPSK

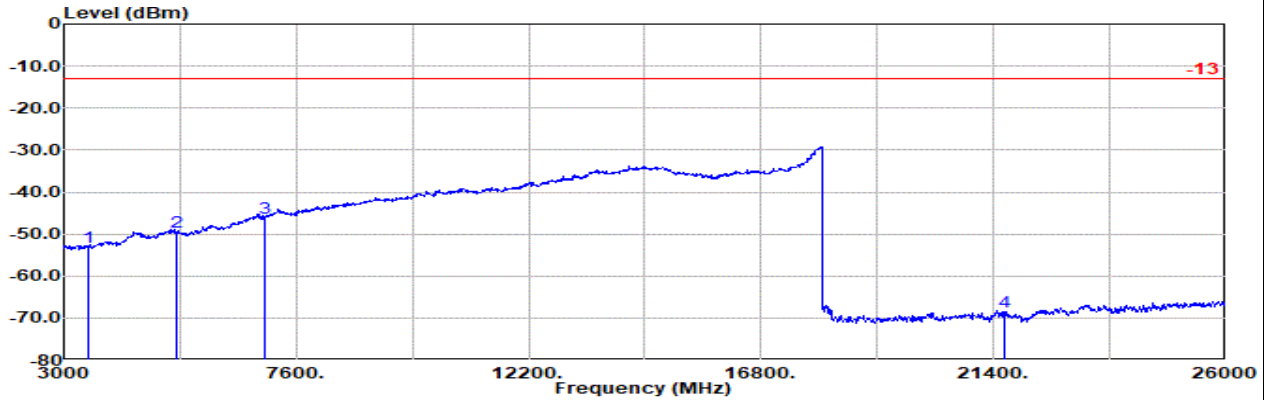
	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
				Factor	1					
1	3454.00	-53.35	RMS	29.78	-24.48	1.20 -95.23	35.38	-13.00	-40.35	Vertical
2	5181.00	-49.25	RMS	33.14	-23.61	0.70 -95.23	35.75	-13.00	-36.25	Vertical
3	6909.00	-46.19	RMS	36.00	-22.52	0.72 -95.23	34.84	-13.00	-33.19	Vertical
4	21456.00	-61.68	RMS	38.38	-31.60	-9.54 -95.23	36.31	-13.00	-48.68	Vertical



Part 27L Mode 6

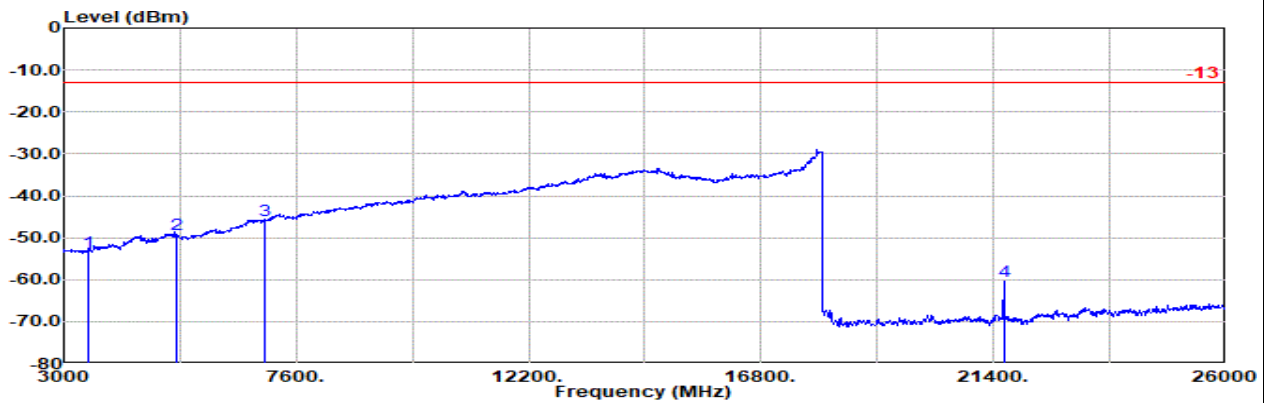
EN-DC B5+n66 10M + 40M Ch20525 1RB0 QPSK + Ch352000 1RB1 BPSK

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch352000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3484.00	-53.21	RMS		29.66	-24.40	1.21	-95.23	35.55	-13.00	-40.21	Horizontal
2	5226.00	-49.43	RMS		33.15	-23.54	0.72	-95.23	35.47	-13.00	-36.43	Horizontal
3	6969.00	-46.12	RMS		36.04	-22.51	0.71	-95.23	34.87	-13.00	-33.12	Horizontal
4	21600.00	-68.41	RMS		37.80	-31.60	-9.54	-95.23	30.16	-13.00	-55.41	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 5 10M Ch20525 1RB0 QPSK
 : NR SA n66 40M Ch352000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3484.00	-53.29	RMS		29.66	-24.40	1.21	-95.23	35.47	-13.00	-40.29	Vertical
2	5226.00	-49.16	RMS		33.15	-23.54	0.72	-95.23	35.74	-13.00	-36.16	Vertical
3	6969.00	-45.81	RMS		36.04	-22.51	0.71	-95.23	35.18	-13.00	-32.81	Vertical
4	21600.00	-60.34	RMS		37.80	-31.60	-9.54	-95.23	38.23	-13.00	-47.34	Vertical