FCC RADIO TEST REPORT

FCC ID	:	PU5-TP00161A
Equipment	:	Notebook Computer
Brand Name		Lenovo
Model Name	:	TP00161A
Applicant	:	Wistron Corporation 21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist, New Taipei City 221,Taiwan
Manufacturer		Lenovo PC HK Limited. 23/F, Lincoln House, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong, P.R. China
Standard	:	FCC 47 CFR Part 2, 96

Equipment: Quectel RM520N-GL tested inside of Lenovo Notebook Computer.

The product was received on Apr. 12, 2024 and testing was performed from May 05, 2024 to Jun. 19, 2024. 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory

Table of Contents

History of this test report

Report No.	Version	Description	Issue Date
FG440813E	01	Initial issue of report	Jun. 07, 2024
FG440813E	02	Revise Section 3.3 and appendix B This report is an updated version, replacing the report issued on Jun. 07, 2024.	Jun. 17, 2024
FG440813E	03	Revise Test Mode This report is an updated version, replacing the report issued on Jun. 17, 2024.	Jun. 21, 2024
FG440813E	04	Revise Product Feature of Equipment Under Test, Product Specification of Equipment Under Test and appendix A This report is an updated version, replacing the report issued on Jun. 21, 2024.	Jun. 24, 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	-
-	§96.41	Peak-to-Average Ratio	-	See Note
3.3	§96.41	Effective Isotropic Radiated Power and EIRP PSD	Pass	-
-	§2.1049 §96.41	Occupied Bandwidth	-	See Note
-	§2.1051 §96.41	Conducted Band Edge Measurement	-	See Note
-	§2.1051 §96.41	Conducted Spurious Emission	-	See Note
-	§2.1055	Frequency Stability for Temperature & Voltage	-	See Note
4.4	§2.1051 §96.41	Radiated Spurious Emission	Pass	10.13 dB under the limit at 7232.00 MHz

Remark:
1. For host device, Radiated Spurious Emission and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
2. For host device, the Conducted Output Power is no difference after compared to module (Model: RM520N-GL)

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sheng Kuo

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00161A
FCC ID	PU5-TP00161A
Sample 1	EUT with AWAN Antenna
Sample 2	EUT with Luxshare-ICT Antenna
Integrated WLAN Module	Brand Name: Qualcomm Model Name: QCNCM825 FCC ID: J9C-QCNCM825
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80/VHT160 WLAN 11ax HE20/HE40/HE80/HE160 WLAN 11be EHT20/ EHT40/EHT80/EHT160/EHT320 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Quectel RM520N-GL tested inside of Lenovo Notebook Computer.

Support band and evaluated information	
Supported band	n48
Evaluated and Tested band	n48

WWAN Antenna Information				
Main Antenna	**Manufacturer**	AWAN	**Peak gain (dBi)**	5G NR n48 : 0.86
	Part number	SA31H59590	**Type**	PIFA
	Manufacturer	Luxshare-ICT	**Peak gain (dBi)**	5G NR n48 : 0.40
	Part number	SA31H59591	**Type**	PIFA
MIMO 2 Antenna	**Manufacturer**	AWAN	**Peak gain (dBi)**	5G NR n48 : -0.37
	Part number	SA31H59592	**Type**	PIFA
	Manufacturer	Luxshare-ICT	**Peak gain (dBi)**	5G NR n48 : -2.20
	Part number	SA31H59593	**Type**	PIFA
MIMO 1 Antenna	**Manufacturer**	AWAN	**Peak gain (dBi)**	5G NR n48 : 0.86
	Part number	SA31H59590	**Type**	PIFA
	Manufacturer	Luxshare-ICT	**Peak gain (dBi)**	5G NR n48 : 0.40
	Part number	SA31H59591	**Type**	PIFA
Auxiliary Antenna	**Manufacturer**	AWAN	**Peak gain (dBi)**	5G NR n48 : -0.37
	Part number	SA31H59592	**Type**	PIFA
	Manufacturer	Luxshare-ICT	**Peak gain (dBi)**	5G NR n48 : -2.20
	Part number	SA31H59593	**Type**	PIFA

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.
2. SA Mode, Only perform in MIMO2 Tx Antenna.

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx Frequency	3552.5 MHz ~ 3697.5 MHz
Rx Frequency	3552.5 MHz ~ 3697.5 MHz
Bandwidth	10 MHz / 20 MHz / 30 MHz / 40 MHz
Maximum Output Power to Antenna	**<SISO Mode>** <MIMO 2 Antenna>: 21.24 dBm <MIMO 1 Antenna>: 16.85 dBm <Auxiliary Antenna>: 21.23 dBm **<MIMO Mode>:** 19.69 dBm
Type of Modulation	PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

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
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Ivy Yeh
Temperature (℃)	20.3~22.8
Relative Humidity (%)	50.2~58.6

Test Site	Sporton International Inc. Wensan Laboratory.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010
Test Site No.	**Sporton Site No.**
	03CH16HY (TAF Code: 3786)
Test Engineer	Bill Chang, Gary Guo and Steven Wu
Temperature (℃)	19.1~22.3
Relative Humidity (%)	62.5~68.3
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 Applied Standards

According to the specifications of 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, 96
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

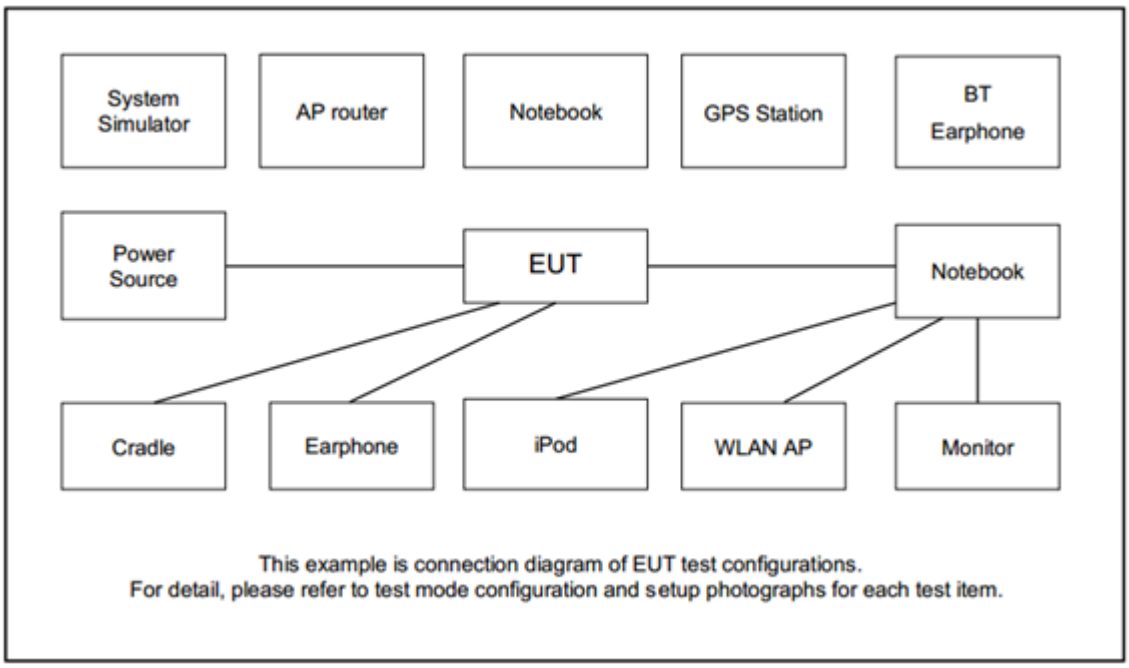
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM pi/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, F, G	All	1RB	L, M, H
EIRP	A, B, C, F, G	All	1RB	L, M, H
RSE	A	20 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. During the RSE preliminary test, the standalone mode and charging modes were verified. It is determined that the charging modes is the worst case for the official test.
4. All the radiated test cases were performed with Sample 1.
5. 5GNR MIMO mode includes CP-OFDM QPSK & 16QAM, while SISO mode includes DFT-OFDM pi/2 BPSK & QPSK & 16QAM.
6. 5G NR, n48 will support MIMO1 & Auxiliary antenna transmission only when in the Sounding Reference Signal (SRS) state. RSE has been verified.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	Lenovo	N/A	N/A	N/A	Unshielded, 1.5m

2.4 Frequency List of Low/Middle/High Channels

NR Band n48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	638000	641666	645332
	Frequency	3570.0	3624.99	3679.98
30	Channel	637668	641666	645666
	Frequency	3565.02	3624.99	3684.99
20	Channel	637334	641666	646000
	Frequency	3560.01	3624.99	3690.0
10	Channel	637000	641666	646332
	Frequency	3555.0	3624.99	3694.98

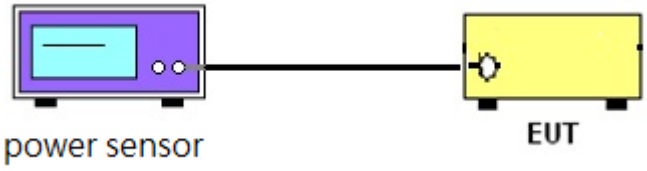
3 Conducted Test Items

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

3.2.1 Description of the Conducted Output Power Measurement

A power sensor 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.

3.2.2 Test Procedures

1. The transmitter output port was connected to the power sensor.
2. Set EUT at maximum power.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the power sensor
5. The measure-and-sum technique is used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.

3.3 EIRP

3.3.1 Description of the EIRP Measurement

The EIRP of category A CBSD must not exceed 30 dBm / 10 megahertz.

The EIRP PSD of category A CBSD must not exceed 20 dBm / 1 megahertz.

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

EIRP = PT + GT – LC, 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

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
End User Device	23	N/A

Remark: Total channel power is complied with EIRP limit 23dBm/10MHz.

3.3.2 Test Procedures

1. The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2) and 3.2(b)(3)
2. Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.
3. The MIMO mode is completely uncorrelated, so the directional gain is selected the maximum gain among all antennas.

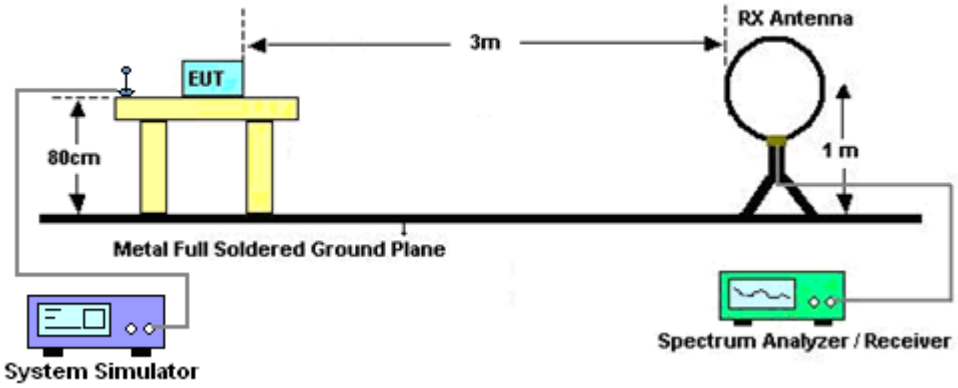
4 Radiated Test Items

4.1 Measuring Instruments

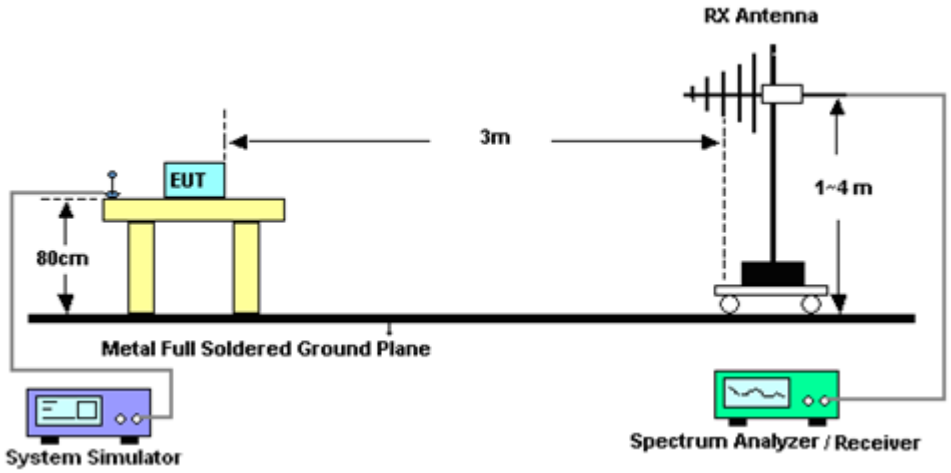
See list of measuring instruments of this test report.

4.2 Test Setup

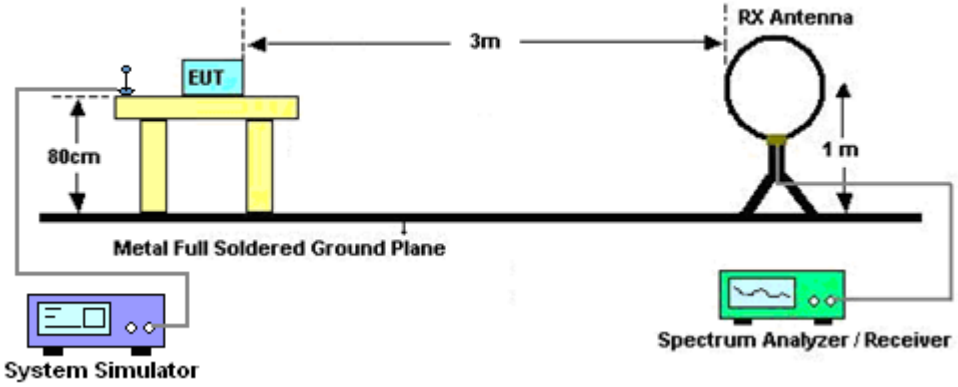
For radiated emissions below 30MHz



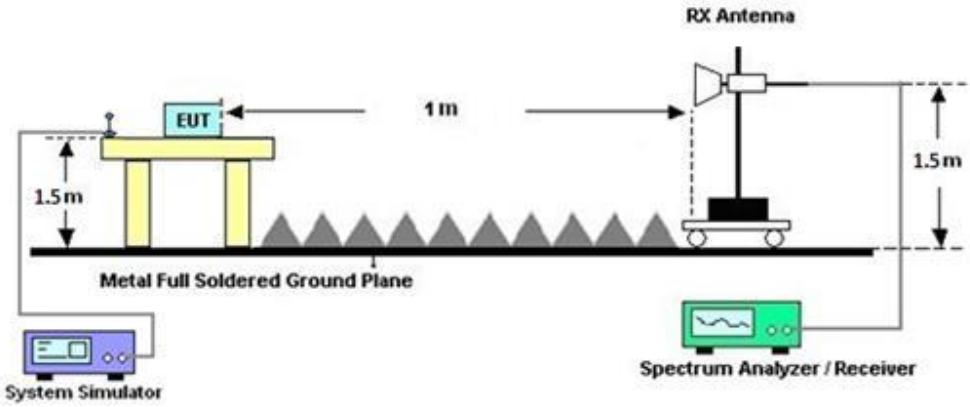
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



4.3 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.

4.4 Radiated Spurious Emission

4.4.1 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 -40dBm / MHz .

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

4.4.2 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 height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna 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 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77, where d is the distance at which filed strength limit is specified in the rules.
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	May 05, 2024~ Jun. 19, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	May 05, 2024~ Jun. 19, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	May 05, 2024~ Jun. 19, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 28, 2024	May 05, 2024~ Jun. 19, 2024	Mar. 27, 2025	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 03, 2023	May 05, 2024~ Jun. 19, 2024	Jul. 02, 2024	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	May 05, 2024~ Jun. 19, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	May 05, 2024~ Jun. 19, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060872	18GHz~40GHz	Sep. 06, 2023	May 05, 2024~ Jun. 19, 2024	Sep. 05, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	May 05, 2024~ Jun. 19, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN11	1GHz High Pass Filter	Mar. 13, 2024	May 05, 2024~ Jun. 19, 2024	Mar. 12, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 29, 2023	May 05, 2024~ Jun. 19, 2024	Jun. 28, 2024	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	May 05, 2024~ Jun. 19, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	May 05, 2024~ Jun. 19, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	May 05, 2024~ Jun. 19, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	May 05, 2024~ Jun. 19, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	May 05, 2024~ Jun. 19, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	May 05, 2024~ Jun. 19, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	May 05, 2024~ Jun. 19, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	May 05, 2024~ Jun. 19, 2024	N/A	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	May 23, 2024~ Jun. 04, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8821C	6262116725	LTE	Oct. 25, 2023	May 23, 2024~ Jun. 04, 2024	Oct. 24, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	May 23, 2024~ Jun. 04, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Software	Sporton	FCC 5GNR_FSV3044_20231106	N/A	Conducted Test Item	N/A	May 23, 2024~ Jun. 04, 2024	N/A	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))	**3.09 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.55 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.02 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and EIRP)

<SISO Mode>
<MIMO 2 Antenna>

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	20.86	20.81	20.95	20.59	0.1146
10	1	1	QPSK	20.81	20.83	20.96		
10	1	1	16-QAM	20.10	20.07	20.15	19.78	0.0951
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.16	21.02	21.12	20.79	0.1199
20	1	1	QPSK	21.14	21.03	21.06		
20	1	1	16-QAM	20.41	20.16	20.21	20.04	0.1009
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	21.24	21.12	21.17	20.87	0.1222
30	1	1	QPSK	21.23	21.20	21.22		
30	1	1	16-QAM	20.45	20.31	20.38	20.08	0.1019
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	21.20	21.06	21.02	20.83	0.1211
40	1	1	QPSK	21.16	21.13	21.05		
40	1	1	16-QAM	20.30	20.32	20.17	19.95	0.0989
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

<MIMO 1 Antenna>

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	16.67	16.75	16.70	17.61	0.0577
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	16.69	16.78	16.70	17.64	0.0581
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	16.68	16.76	16.70	17.62	0.0578
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	16.78	16.85	16.79	17.71	0.0590
40	1	1	QPSK	16.76	16.83	16.77		
40	1	1	16-QAM	16.66	16.73	16.67	17.59	0.0574
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

<Auxiliary Antenna>

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	21.15	21.18	21.09	20.81	0.1205
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	21.08	21.22	21.09	20.85	0.1216
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	21.11	21.17	21.08	20.80	0.1202
Limit	EIRP < 23dBm/10MHz			Result			Pass	

NR n48 Maximum Average Power [dBm] (GT - LC = -0.37 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	21.16	21.23	21.11	20.86	0.1219
40	1	1	QPSK	21.12	21.19	21.04		
40	1	1	16-QAM	20.33	20.45	20.29	20.08	0.1019
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

<MIMO Mode>

Part96 NR n48 Maximum Average Power [dBm], DG = 0.86 dBi														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
10	1	1	QPSK	16.30	16.34	16.35	16.11	16.18	16.23	19.22	19.27	19.30	20.16	0.1038
10	1	1	16-QAM	15.81	15.81	15.63	15.41	15.44	15.67	18.62	18.64	18.66	19.52	0.0895
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Part96 NR n48 Maximum Average Power [dBm], DG = 0.86 dBi														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	16.60	16.42	16.43	16.51	16.36	16.29	19.57	19.40	19.37	20.43	0.1104
20	1	1	16-QAM	15.88	15.81	15.87	16.02	15.81	15.93	18.96	18.82	18.91	19.82	0.0959
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Part96 NR n48 Maximum Average Power [dBm], DG = 0.86 dBi														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
30	1	1	QPSK	16.53	16.58	16.54	16.71	16.67	16.66	19.63	19.64	19.61	20.5	0.1122
30	1	1	16-QAM	15.87	15.96	15.86	16.04	16.15	16.07	18.97	19.07	18.98	19.93	0.0984
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Part96 NR n48 Maximum Average Power [dBm], DG = 0.86 dBi														
BW	RB	RB	Mod	Antenna 2			Antenna 0			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	16.61	16.64	16.60	16.74	16.59	16.62	19.69	19.63	19.62	20.55	0.1135
40	1	1	16-QAM	15.79	15.90	15.93	16.05	15.96	16.16	18.93	18.94	19.06	19.92	0.0982
Limit	EIRP < 23dBm/10MHz			Result									Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

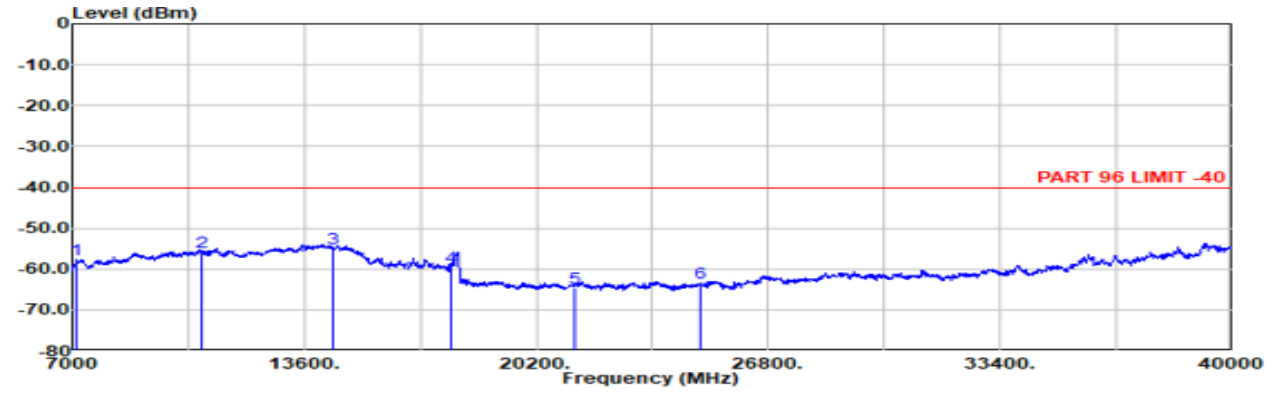
Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48	M	7242	-50.58	RMS	36.97	-52.19	0.92	-95.23	58.95	-40.00	-10.58	V	MIMO2
2	Part 96	NR SA n48	M	7232	-50.13	RMS	36.93	-52.20	0.92	-95.23	59.45	-40.00	-10.13	V	MIMO1
3	Part 96	NR SA n48	M	7242	-50.74	RMS	36.97	-52.19	0.92	-95.23	58.79	-40.00	-10.74	V	Auxiliary
4	Part 96	NR SA n48 MIMO	H	14725	-52.85	RMS	40.35	-46.60	0.50	-95.23	48.13	-40.00	-12.85	H	Main+ MIMO2

MIMO2 Antenna

Part 96 Mode 1

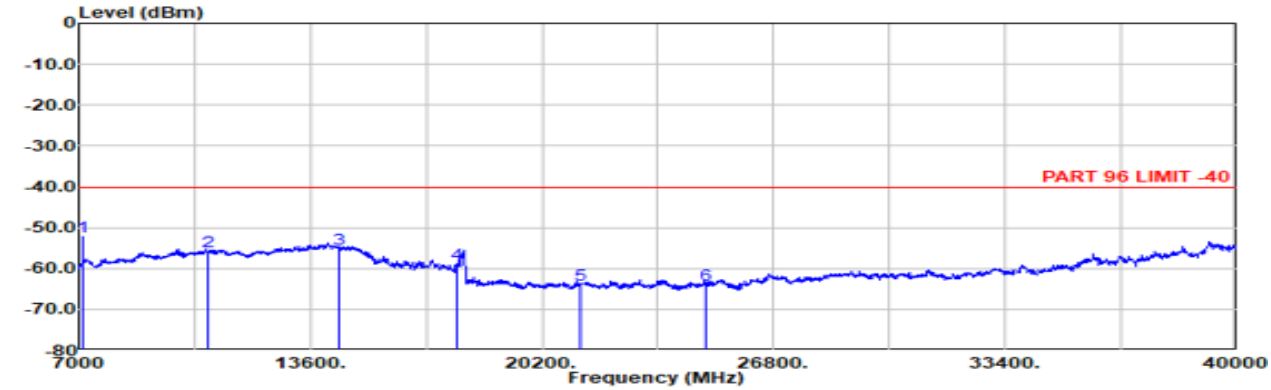
NR SA n48 20M Ch637334 1RB1 BPSK

L



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal
: SA n48 20M Ch637334 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7110.00	-57.56	RMS	36.36	-52.32	1.11	-95.23	0.00	-40.00	-17.56	Horizontal
2	10665.00	-55.85	RMS	39.07	-49.79	0.45	-95.23	49.65	-40.00	-15.85	Horizontal
3	14425.00	-54.85	RMS	40.55	-46.71	0.46	-95.23	46.08	-40.00	-14.85	Horizontal
4	17758.00	-59.35	RMS	40.46	-43.61	0.63	-95.23	38.40	-40.00	-19.35	Horizontal
5	21307.00	-64.49	RMS	37.86	-55.44	-9.54	-95.23	57.86	-40.00	-24.49	Horizontal
6	24858.00	-63.31	RMS	39.28	-52.67	-9.54	-95.23	54.85	-40.00	-23.31	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical
: SA n48 20M Ch637334 1RB1 BPSK

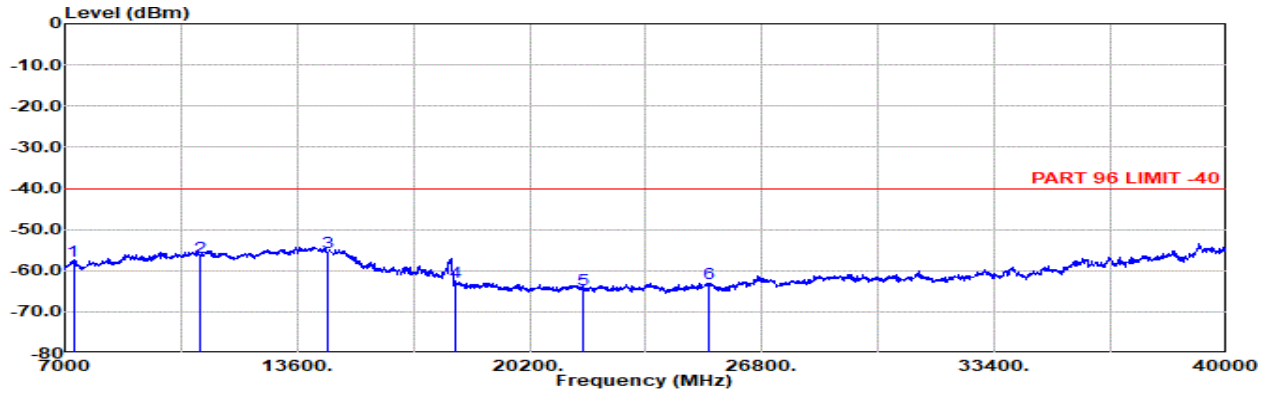
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7110.00	-52.35	RMS	36.36	-52.32	1.11	-95.23	57.73	-40.00	-12.35	Vertical
2	10665.00	-55.94	RMS	39.07	-49.79	0.45	-95.23	49.56	-40.00	-15.94	Vertical
3	14425.00	-55.13	RMS	40.55	-46.71	0.46	-95.23	45.80	-40.00	-15.13	Vertical
4	17758.00	-58.91	RMS	40.46	-43.61	0.63	-95.23	38.84	-40.00	-18.91	Vertical
5	21307.00	-64.10	RMS	37.86	-55.44	-9.54	-95.23	58.25	-40.00	-24.10	Vertical
6	24858.00	-63.89	RMS	39.28	-52.67	-9.54	-95.23	54.27	-40.00	-23.89	Vertical

MIMO2 Antenna

Part 96 Mode 1

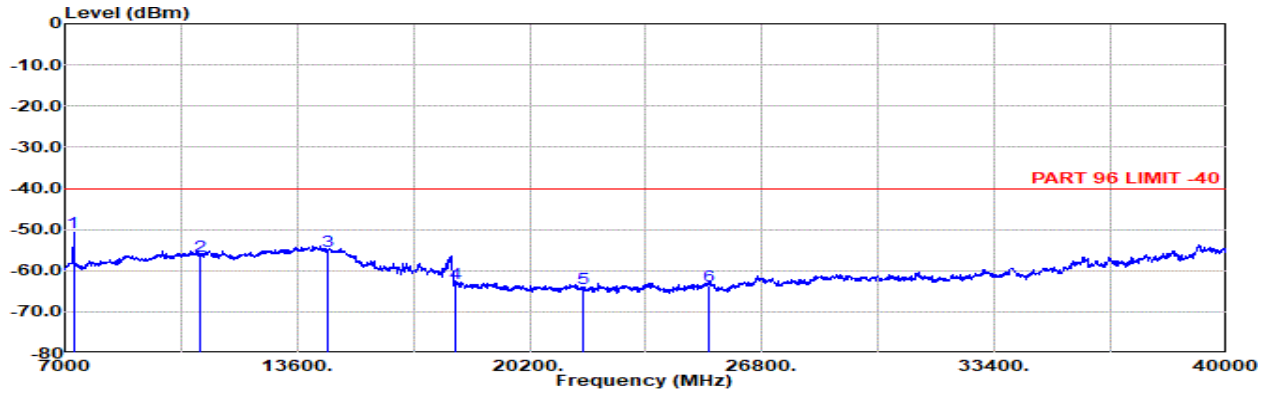
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal
: SA n48 20M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-57.52	RMS	36.97	-52.19	0.92	-95.23	52.01	-40.00	-17.52	Horizontal
2	10861.00	-56.75	RMS	38.88	-49.32	0.45	-95.23	48.47	-40.00	-16.75	Horizontal
3	14484.00	-55.55	RMS	40.57	-46.69	0.47	-95.23	45.33	-40.00	-15.55	Horizontal
4	18080.00	-62.65	RMS	37.80	-58.49	-9.54	-95.23	62.81	-40.00	-22.65	Horizontal
5	21696.00	-64.55	RMS	37.89	-54.93	-9.54	-95.23	57.26	-40.00	-24.55	Horizontal
6	25312.00	-63.00	RMS	39.10	-52.81	-9.54	-95.23	55.48	-40.00	-23.00	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical
: SA n48 20M Ch641666 1RB1 BPSK

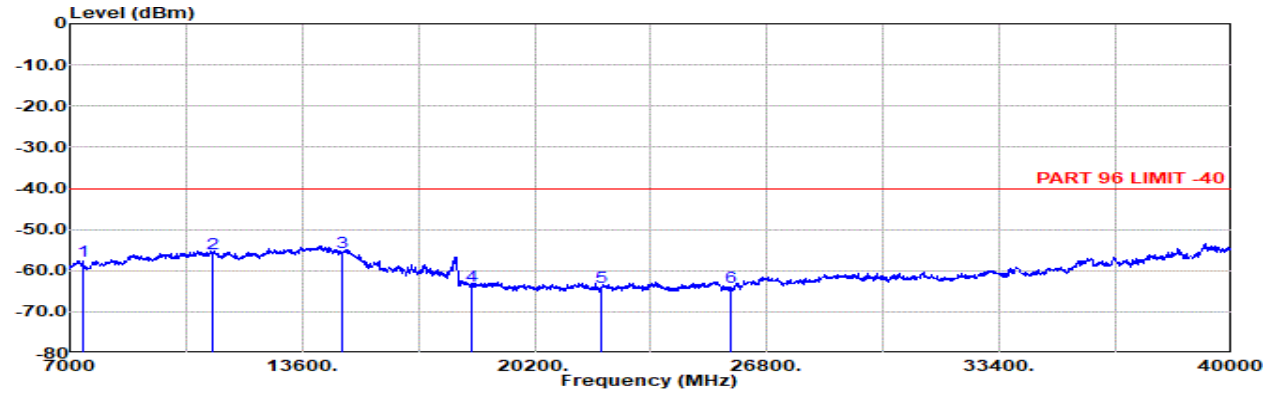
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-50.58	RMS	36.97	-52.19	0.92	-95.23	58.95	-40.00	-10.58	Vertical
2	10861.00	-56.51	RMS	38.88	-49.32	0.45	-95.23	48.71	-40.00	-16.51	Vertical
3	14484.00	-55.18	RMS	40.57	-46.69	0.47	-95.23	45.70	-40.00	-15.18	Vertical
4	18080.00	-63.08	RMS	37.80	-58.49	-9.54	-95.23	62.38	-40.00	-23.08	Vertical
5	21696.00	-64.40	RMS	37.89	-54.93	-9.54	-95.23	57.41	-40.00	-24.40	Vertical
6	25312.00	-63.57	RMS	39.10	-52.81	-9.54	-95.23	54.91	-40.00	-23.57	Vertical

MIMO2 Antenna

Part 96 Mode 1

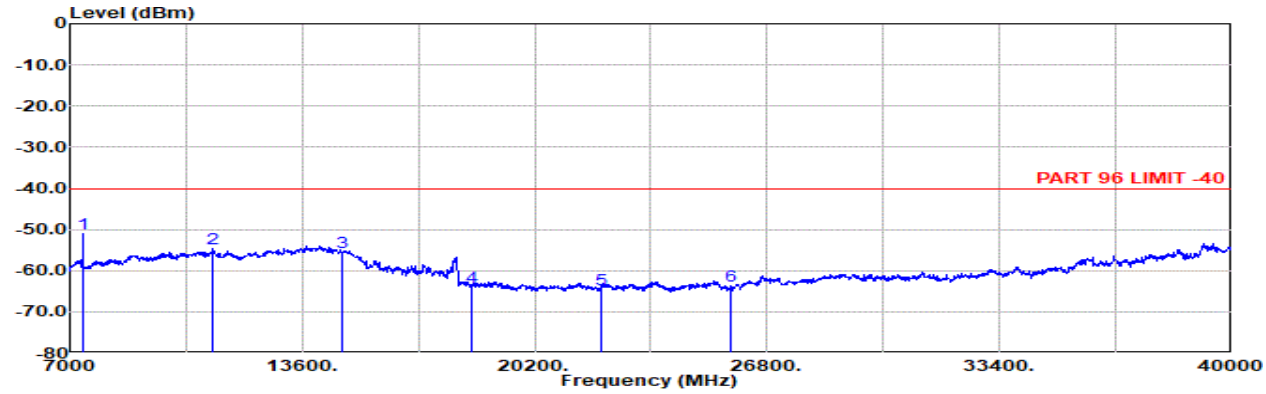
NR SA n48 20M Ch646000 1RB1 BPSK

H



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal
: SA n48 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-57.53	RMS	36.55	-52.05	0.90	-95.23	52.30	-40.00	-17.53	Horizontal
2	11043.00	-55.88	RMS	38.70	-48.96	0.44	-95.23	49.17	-40.00	-15.88	Horizontal
3	14725.00	-55.46	RMS	40.35	-46.60	0.50	-95.23	45.52	-40.00	-15.46	Horizontal
4	18408.00	-63.55	RMS	37.72	-58.51	-9.54	-95.23	62.01	-40.00	-23.55	Horizontal
5	22088.00	-63.89	RMS	37.90	-54.80	-9.54	-95.23	57.78	-40.00	-23.89	Horizontal
6	25768.00	-64.02	RMS	39.00	-53.10	-9.54	-95.23	54.85	-40.00	-24.02	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical
: SA n48 20M Ch646000 1RB1 BPSK

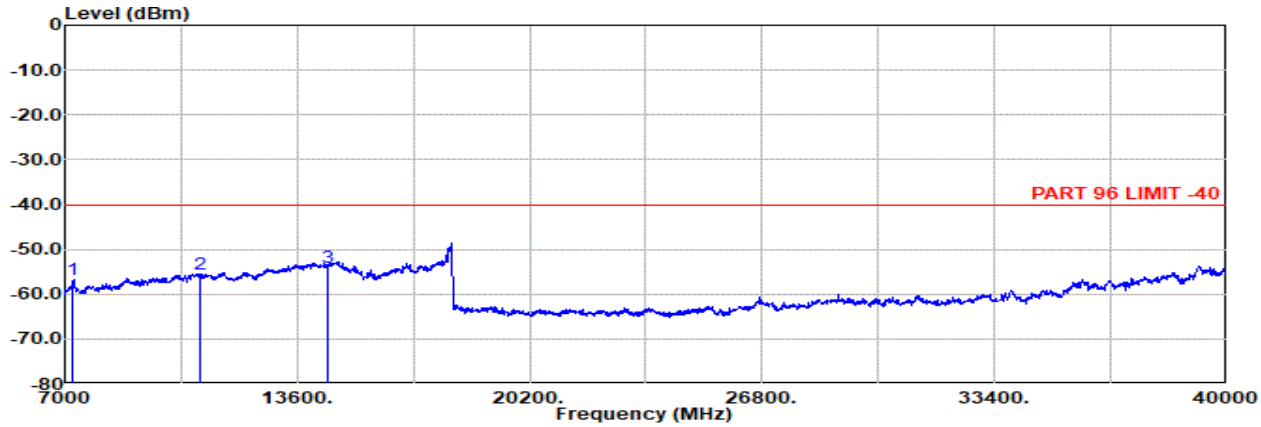
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-50.94	RMS	36.55	-52.05	0.90	-95.23	58.89	-40.00	-10.94	Vertical
2	11043.00	-54.77	RMS	38.70	-48.96	0.44	-95.23	50.28	-40.00	-14.77	Vertical
3	14725.00	-55.57	RMS	40.35	-46.60	0.50	-95.23	45.41	-40.00	-15.57	Vertical
4	18408.00	-63.92	RMS	37.72	-58.51	-9.54	-95.23	61.64	-40.00	-23.92	Vertical
5	22088.00	-64.67	RMS	37.90	-54.80	-9.54	-95.23	57.00	-40.00	-24.67	Vertical
6	25768.00	-63.71	RMS	39.00	-53.10	-9.54	-95.23	55.16	-40.00	-23.71	Vertical

MIMO1 Antenna

Part 96 Mode 2

NR SA n48 20M Ch641666 1RB1 BPSK

M

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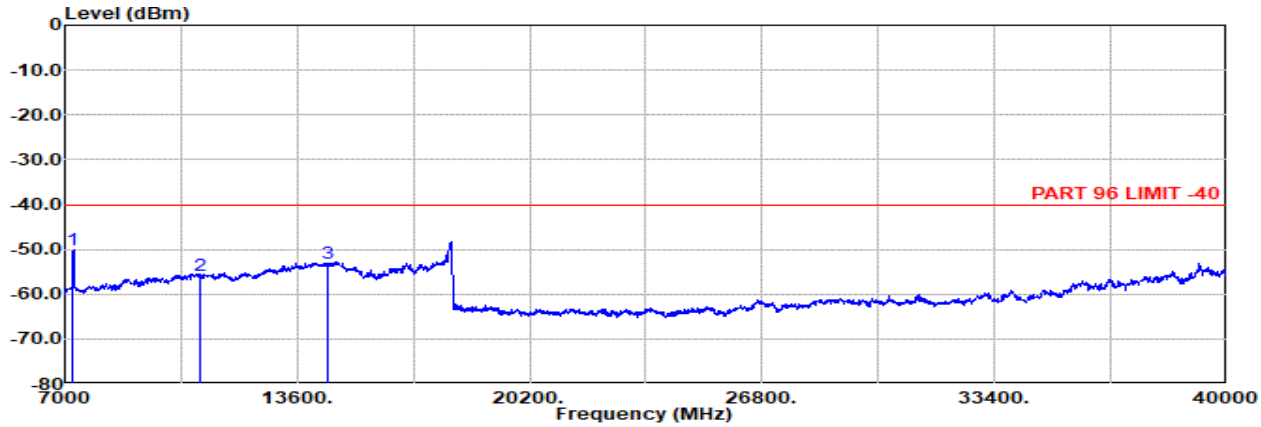
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal
         : SA n48 20M Ch641666 1RB0 BPSK
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-56.61	RMS	36.93	-52.20	0.92	-95.23	0.00	-40.00	-16.61	Horizontal
2	10848.00	-55.69	RMS	38.91	-49.35	0.45	-95.23	49.53	-40.00	-15.69	Horizontal
3	14465.00	-53.89	RMS	40.53	-46.70	0.47	-95.23	47.04	-40.00	-13.89	Horizontal

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Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical
         : SA n48 20M Ch641666 1RB0 BPSK
```

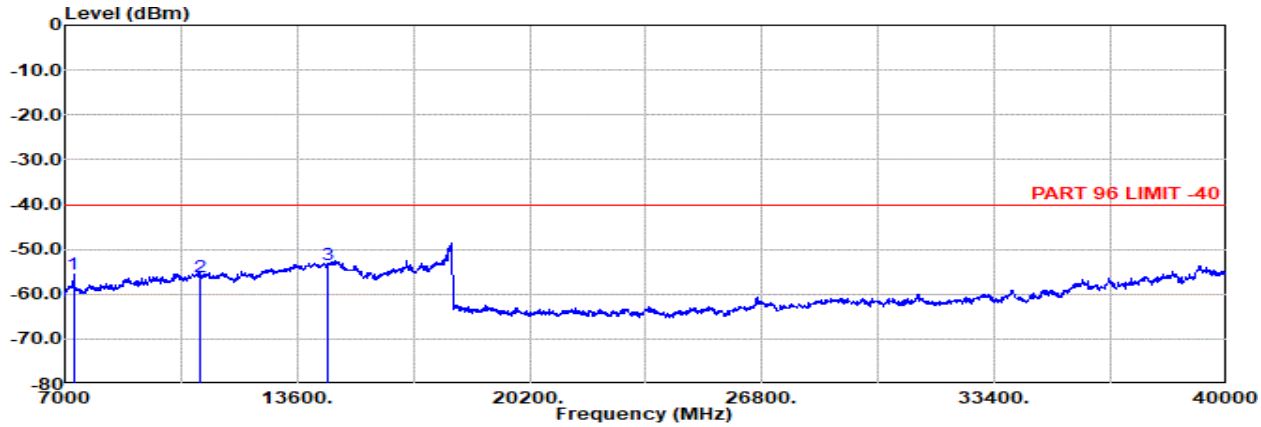
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-50.13	RMS	36.93	-52.20	0.92	-95.23	59.45	-40.00	-10.13	Vertical
2	10848.00	-55.91	RMS	38.91	-49.35	0.45	-95.23	49.31	-40.00	-15.91	Vertical
3	14465.00	-53.26	RMS	40.53	-46.70	0.47	-95.23	47.67	-40.00	-13.26	Vertical

Auxiliary Antenna

Part 96 Mode 3

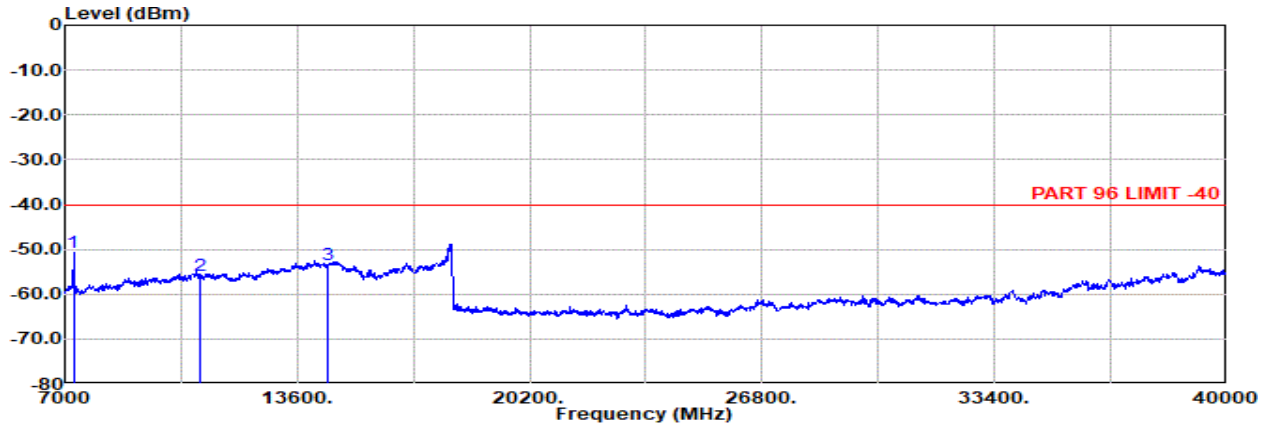
NR SA n48 20M Ch641666 1RB1 BPSK

M



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal
: SA n48 20M Ch641666 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-55.43	RMS	36.97	-52.19	0.92	-95.23	0.00	-40.00	-15.43	Horizontal
2	10850.00	-56.14	RMS	38.90	-49.34	0.45	-95.23	49.08	-40.00	-16.14	Horizontal
3	14469.00	-53.48	RMS	40.54	-46.70	0.47	-95.23	47.44	-40.00	-13.48	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical
: SA n48 20M Ch641666 1RB0 BPSK

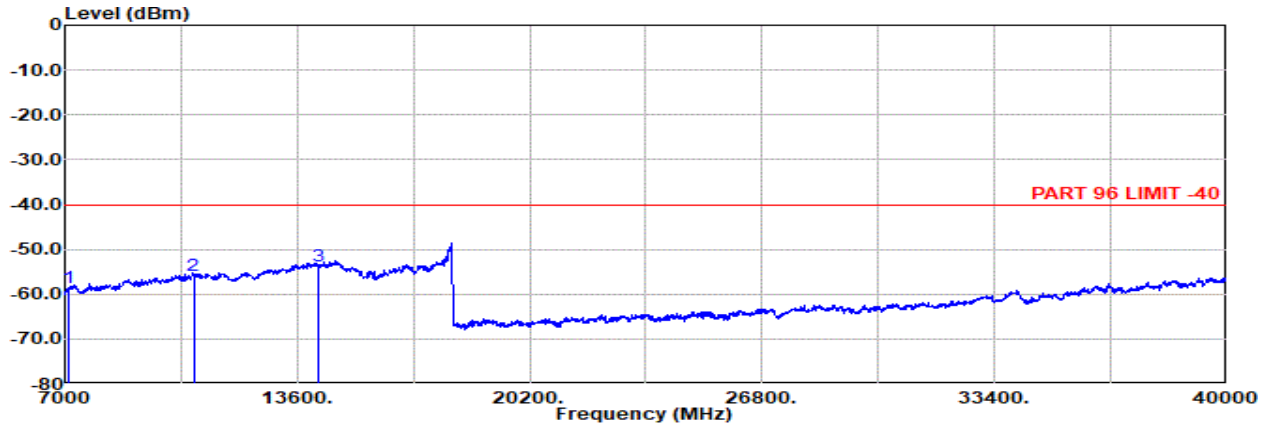
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-50.74	RMS	36.97	-52.19	0.92	-95.23	58.79	-40.00	-10.74	Vertical
2	10850.00	-55.97	RMS	38.90	-49.34	0.45	-95.23	49.25	-40.00	-15.97	Vertical
3	14469.00	-53.45	RMS	40.54	-46.70	0.47	-95.23	47.47	-40.00	-13.45	Vertical

Main Antenna + MIMO2 Antenna

Part 96 Mode 4

NR SA n48 MIMO 20M Ch637334 1RB1 BPSK

L

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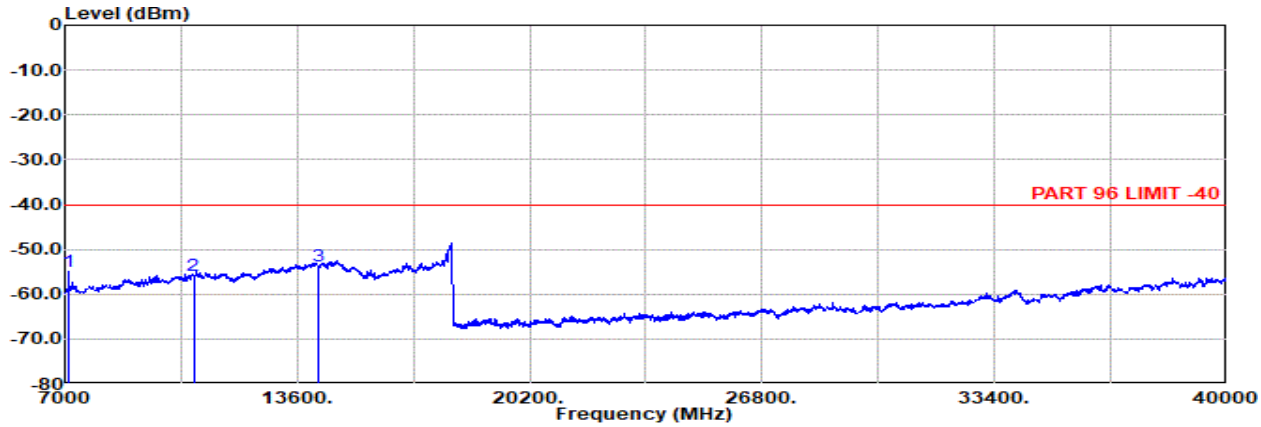
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Horizontal
         : SA n48 20M Ch637334 1RB1 BPSK
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-58.52	RMS	36.31	-52.33	1.13	-95.23	0.00	-40.00	-18.52	Horizontal
2	10653.00	-55.75	RMS	39.09	-49.82	0.45	-95.23	49.76	-40.00	-15.75	Horizontal
3	14205.00	-53.79	RMS	40.90	-46.75	0.44	-95.23	46.85	-40.00	-13.79	Horizontal




```
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Vertical
         : SA n48 20M Ch637334 1RB1 BPSK
```

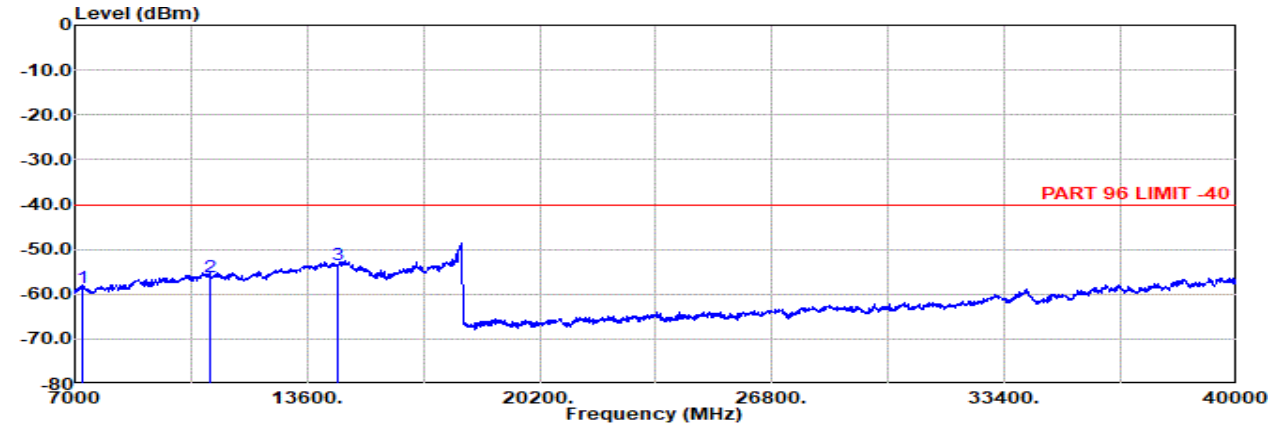
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-54.92	RMS	36.31	-52.33	1.13	-95.23	55.20	-40.00	-14.92	Vertical
2	10653.00	-55.70	RMS	39.09	-49.82	0.45	-95.23	49.81	-40.00	-15.70	Vertical
3	14205.00	-53.74	RMS	40.90	-46.75	0.44	-95.23	46.90	-40.00	-13.74	Vertical

Main Antenna + MIMO2 Antenna

Part 96 Mode 4

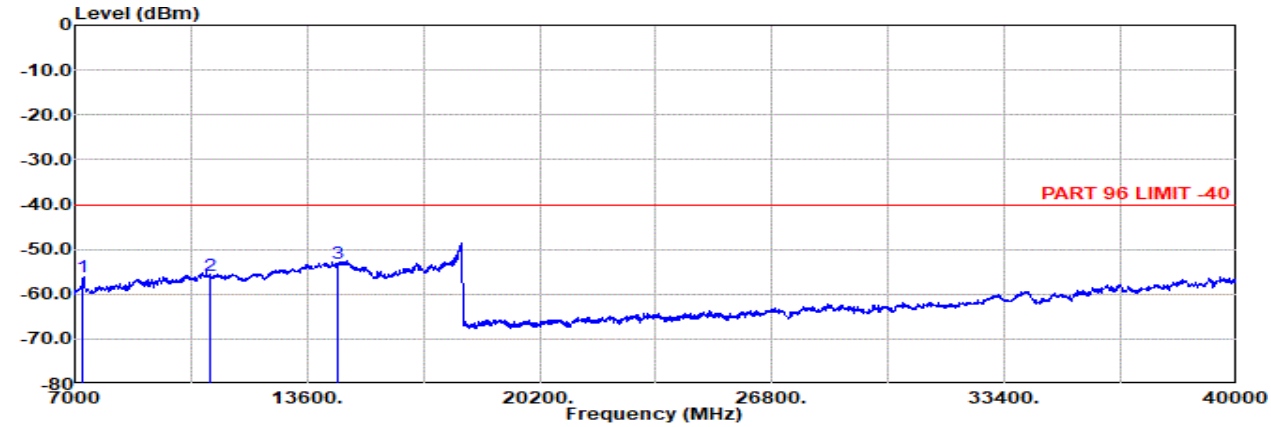
NR SA n48 MIMO 20M Ch641666 1RB1 BPSK

M



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Horizontal
: SA n48 20M Ch641666 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-58.56	RMS	36.93	-52.20	0.92	-95.23	51.02	-40.00	-18.56	Horizontal
2	10848.00	-56.03	RMS	38.91	-49.35	0.45	-95.23	49.19	-40.00	-16.03	Horizontal
3	14465.00	-53.39	RMS	40.53	-46.70	0.47	-95.23	47.54	-40.00	-13.39	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Vertical
: SA n48 20M Ch641666 1RB0 BPSK

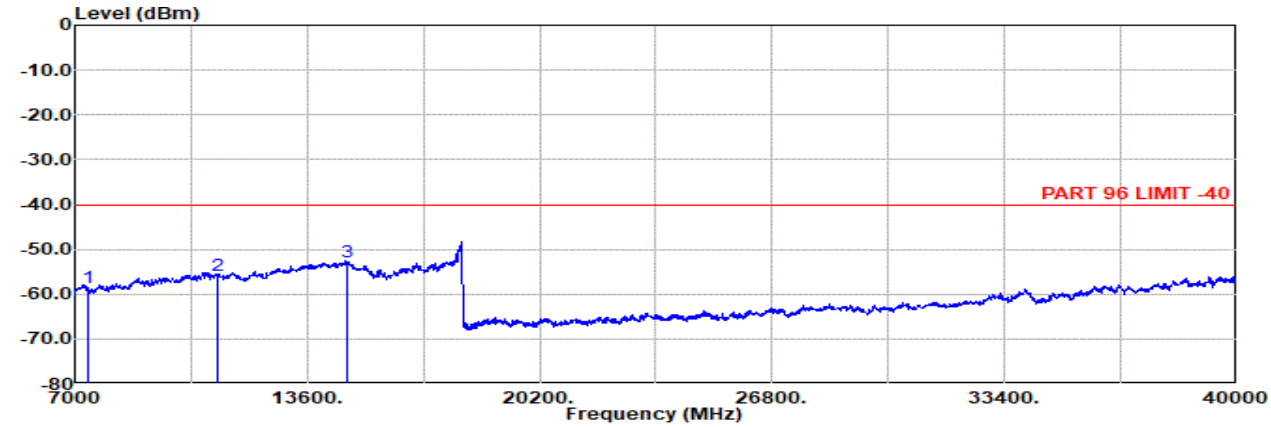
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-56.07	RMS	36.93	-52.20	0.92	-95.23	53.51	-40.00	-16.07	Vertical
2	10848.00	-55.93	RMS	38.91	-49.35	0.45	-95.23	49.29	-40.00	-15.93	Vertical
3	14465.00	-53.11	RMS	40.53	-46.70	0.47	-95.23	47.82	-40.00	-13.11	Vertical

Main Antenna + MIMO2 Antenna

Part 96 Mode 4

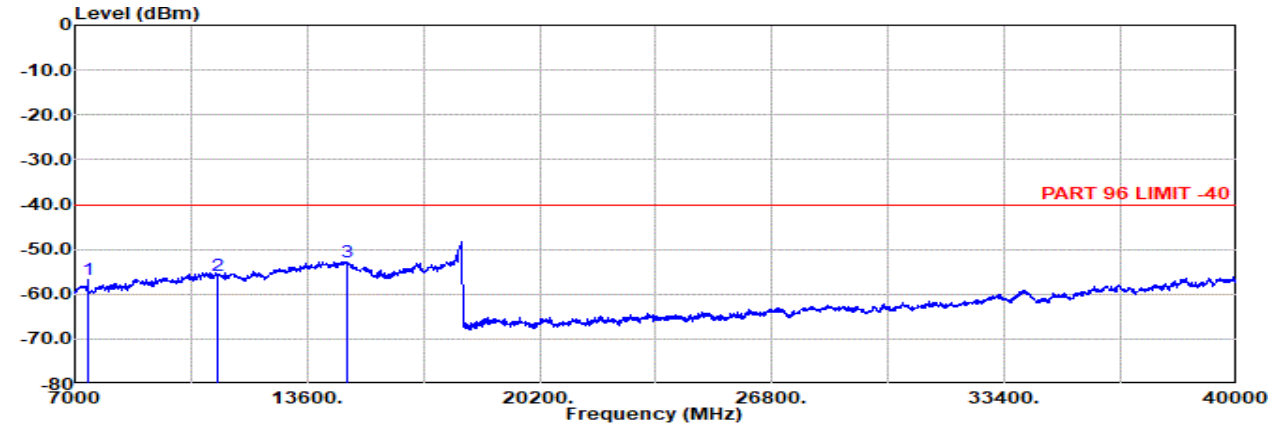
NR SA n48 MIMO 20M Ch646000 1RB1 BPSK

H



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Horizontal
: SA n48 20M Ch646000 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-58.64	RMS	36.55	-52.05	0.90	-95.23	51.19	-40.00	-18.64	Horizontal
2	11043.00	-55.79	RMS	38.70	-48.96	0.44	-95.23	49.26	-40.00	-15.79	Horizontal
3	14725.00	-52.85	RMS	40.35	-46.60	0.50	-95.23	48.13	-40.00	-12.85	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 1m SHF_1223_230710 Vertical
: SA n48 20M Ch646000 1RB0 BPSK

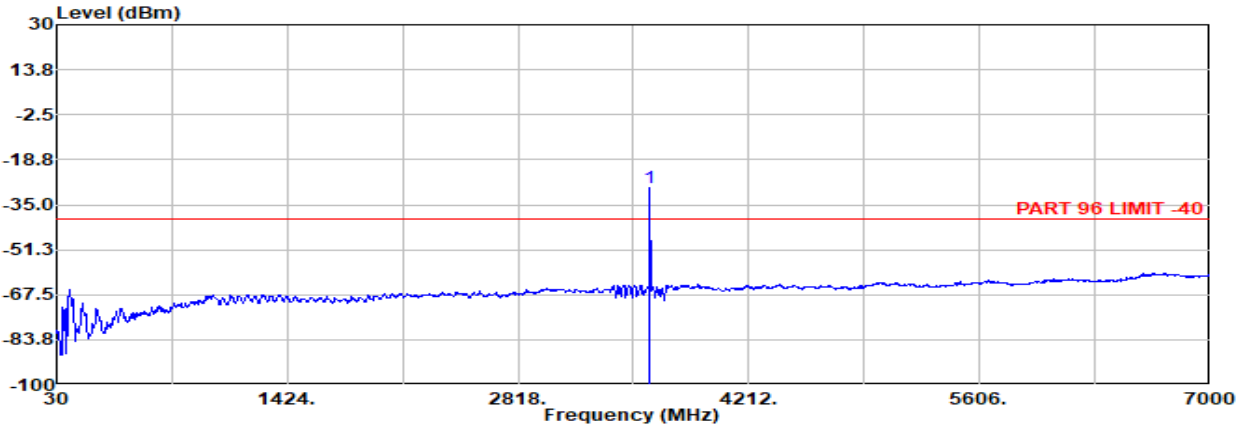
	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-56.82	RMS	36.55	-52.05	0.90	-95.23	53.01	-40.00	-16.82	Vertical
2	11043.00	-55.78	RMS	38.70	-48.96	0.44	-95.23	49.27	-40.00	-15.78	Vertical
3	14725.00	-52.88	RMS	40.35	-46.60	0.50	-95.23	48.10	-40.00	-12.88	Vertical

MIMO 1 Antenna

Part 96 Mode 2

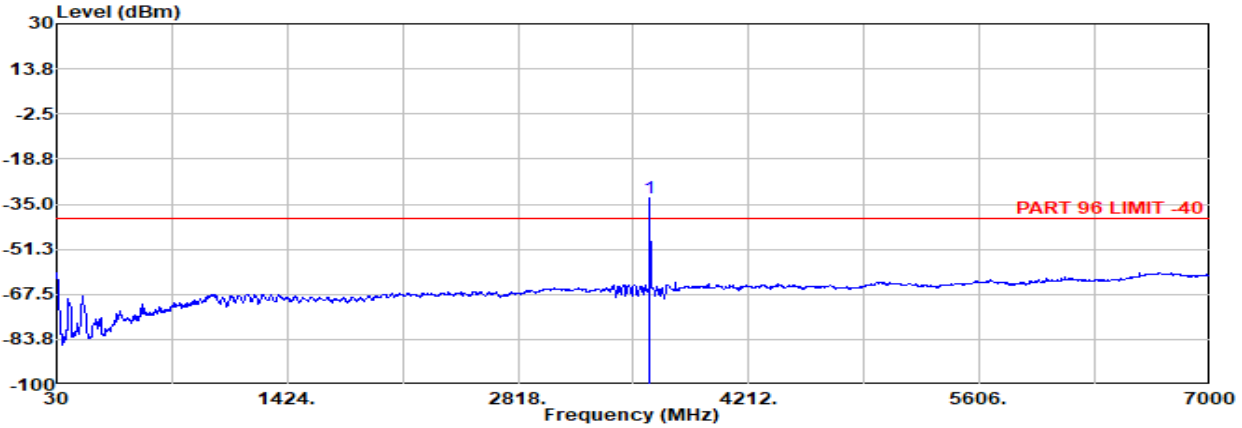
NR SA n48 20M Ch641666 1RB1 BPSK

M




```
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Horizontal
         : SA n48 20M Ch641666 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3616.00	-29.01	RMS	29.53	-57.38	0.57	-95.23	93.50	-40.00	10.99	Horizontal




```
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Vertical
         : SA n48 20M Ch641666 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3616.00	-32.75	RMS	29.53	-57.38	0.57	-95.23	89.76	-40.00	7.25	Vertical

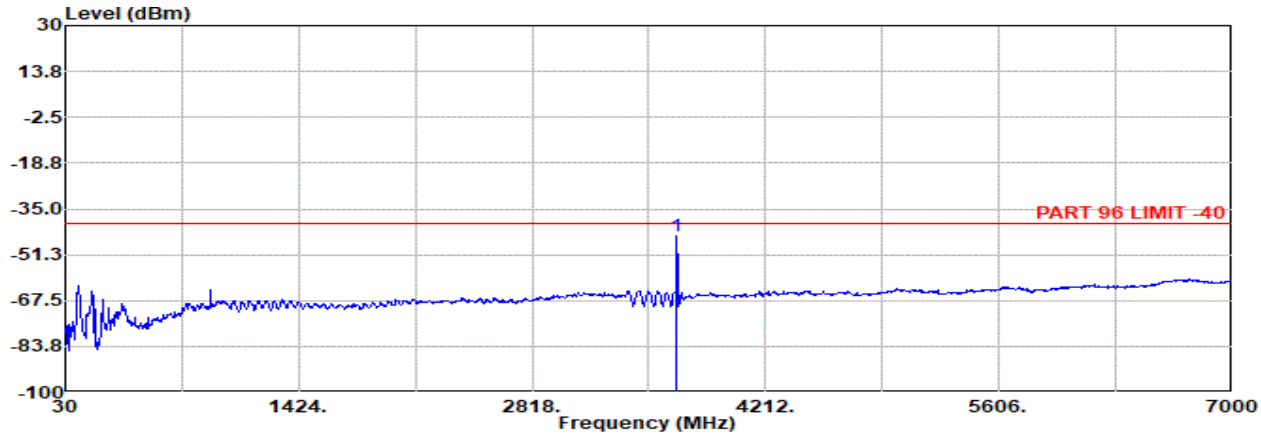
Remark: #1 is fundamental signal which can be ignored.

Main Antenna + MIMO2 Antenna

Part 96 Mode 4

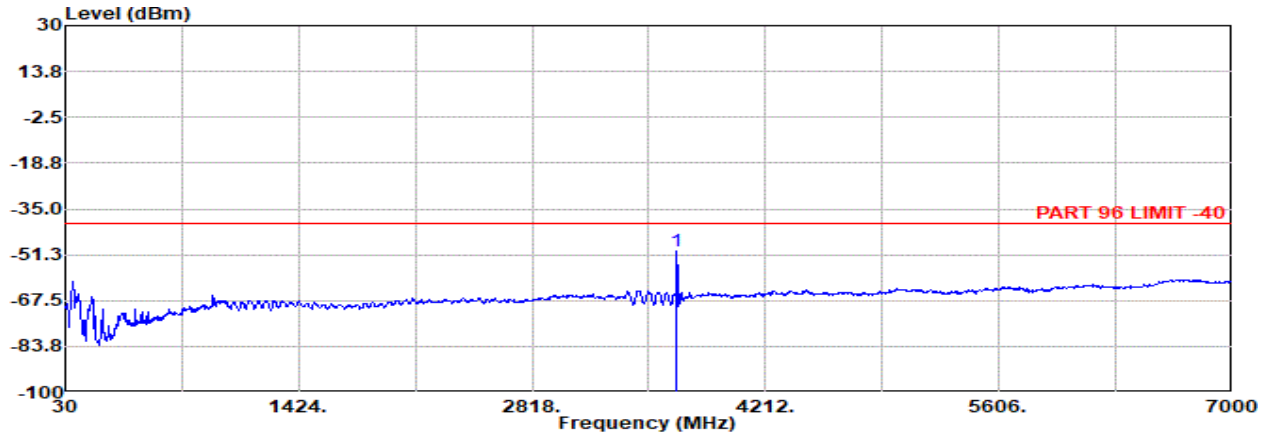
NR SA n48 MIMO 20M Ch646000 1RB1 BPSK

H




```
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Horizontal
         : NR SA n48 20M Ch646000 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3682.00	-44.67	RMS	29.60	-57.23	0.60	-95.23	77.59	-40.00	-4.67	Horizontal




```
Site      : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Vertical
         : NR SA n48 20M Ch646000 1RB1 BPSK
         : #1 is fundamental signal which can be ignored.
```

	Freq	Level	Detector	Ant Factor	Amp\Cbl	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3682.00	-49.75	RMS	29.60	-57.23	0.60	-95.23	72.51	-40.00	-9.75	Vertical

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