

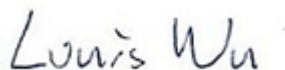


FCC RADIO TEST REPORT

FCC ID : QYLFN990B
Equipment : 5G NR Module
Brand Name : Getac
Model Name : FN990A28
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang
Dist., Taipei City 115018, Taiwan, R.O.C.
Standard : FCC 47 CFR Part 2, 96

The product was received on Jul. 04, 2026 and testing was performed from Jul. 05, 2026 to Aug. 17, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG661230E	01	Initial issue of report	Aug. 21, 2026
FG661230E	02	Revise Appendix A2 and Chapter 1.1 New Description This report is an updated version, replacing the report issued on Aug. 21, 2026.	Sep. 03, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
-	§96.41	Peak-to-Average Ratio	Pass	See Note
3.3	§96.41	Effective Isotropic Radiated Power	Pass	-
-	§2.1049 §96.41	Occupied Bandwidth	Pass	See Note
-	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	See Note
-	§2.1051 §96.41	Conducted Spurious Emission	Pass	See Note
-	§2.1055	Frequency Stability for Temperature & Voltage	Pass	See Note
4.4	§2.1053 §96.41	Radiated Spurious Emission	Pass	-

Remark:

- For host device, Radiated Spurious Emission and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
- For host device, the Conducted Output Power is no difference after compared to module (Model: FN990A28)

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Yun Huang

Report Producer: Shiori Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE/5G NR, and GNSS	
Antenna Type WWAN: PIFA Antenna	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2

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

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

Antenna information						
Band	Main	Aux	MIMO1	MIMO2		
n48			0.86	-0.11		

Remark: Only MIMO2 Ant. is used in SISO mode.



The product was installed into Tablet (Brand Name: Getac, Model Name: B360, B360 Pro, B360G3, B360 ProG3, B360 Plus, B360X, B360X Pro, B360Y (Y= 10 characters, Y can be 0-9, a-z, A-Z, "-", "_" or blank for marketing purpose and no impact safety related critical components and constructions.)) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with SKU D
Host 2	Host with SKU E

DVT SKUs	SKU D	SKU E
CPU	Ultra 5 325H	Ultra 7, 356H
Display	AUO 14", FHD	AUO 14", FHD
Touch screen	Support	Support
Memory	16GB	32GB*2
Main storage	256GB	1TB
Second storage	256GB	1TB
Wifi+BT	BE211NGW	BE211NGW
WWAN	FN990A28	FN990A28
GPS/GNSS	MC-1010-V2b	MC-1010-V2b
AC adapter	FSP065-RBBN3,65W FSP100-A1BR3, Type C	FSP090-ABBN3,90W MTA190474W4,90W FSP100-A1BR3, Type C
FINGERPRINT	Support	Support
RFID	Not Support	Not Support
BCR	Support	Support
Smart Card	Support	Support
SD Card Reader	Support	Support
Battery	BP2S1P4060S-01	BP3S2P3450P-01D
Optional ports	RS232/2 nd TBT4	RS232/2 nd TBT4
ODD (Expansion)	Not Support	Support (3rd battery pack:BP3S2P2100S-04)
MXM/PCMCIA/Express	Not Support	MXM
Expansion optional port	Not Support	Not Support

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Site

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.	
	03CH13-HY	TH05-HY
Test Engineer	Ryan Hung , Jacky Hung , White Hou	Yuki Chen
Temperature (°C)	21.6~25.7	22.3~22.7
Relative Humidity (%)	47.1~53.4	53.2~53.3
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.: TW3786

1.4 Applied Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

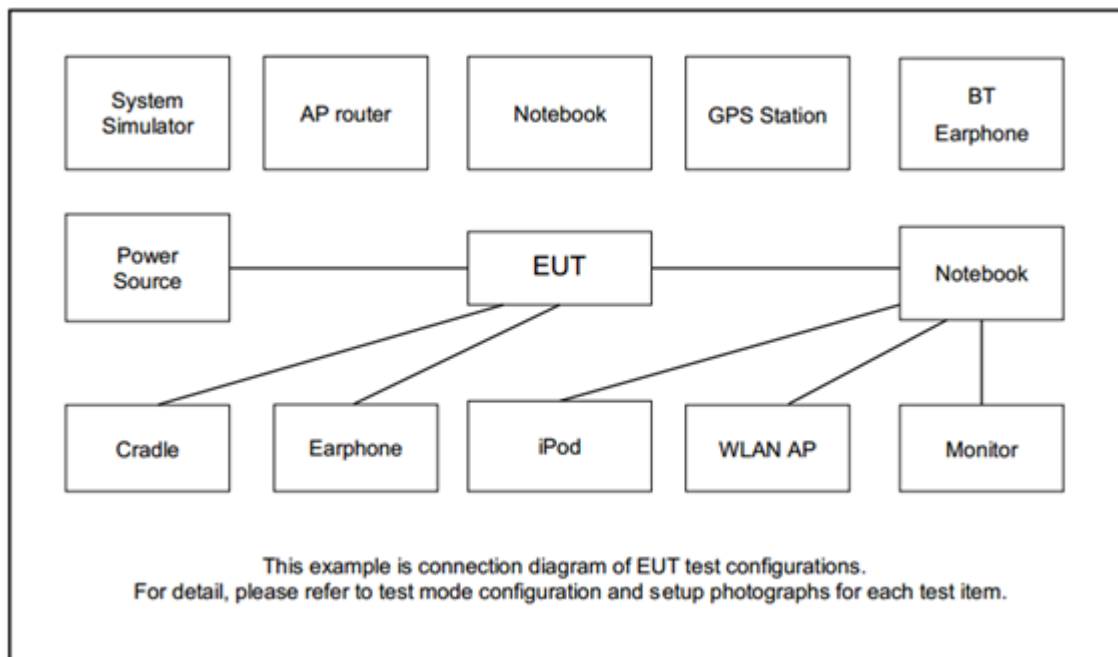
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM PI/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E	40 MHz	1, Half, Full	L, M, H
EIRP	A, B, C, D, E	40 MHz	1, Half, Full	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. All the radiated test cases were performed with Sample 2.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

5G NR n48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
40	Channel	638000	641666	645332
	Frequency	3570.00	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	3690.00
15	Channel	637168	641666	646166
	Frequency	3557.52	3624.99	3692.49
10	Channel	637000	641666	646332
	Frequency	3555	3624.99	3694.98

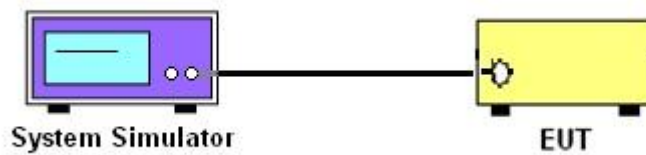
3 Conducted Test Items

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 Measurement

3.2.1 Description of the Conducted Output Power Measurement

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. 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 base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 EIRP

3.3.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for LTE Band 48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5.

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$, where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = 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

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)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.

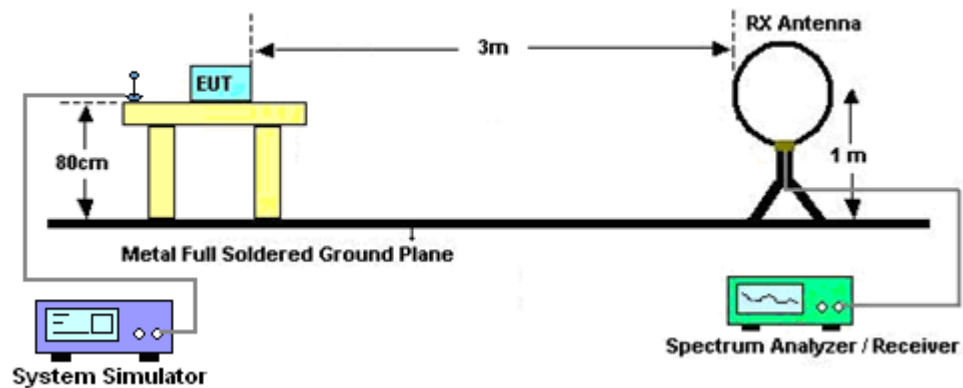
4 Radiated Test Items

4.1 Measuring Instruments

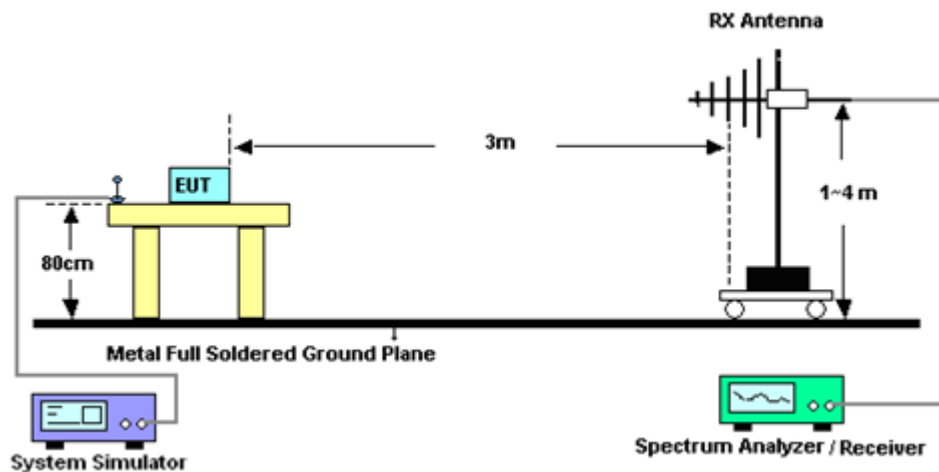
See list of measuring instruments of this test report.

4.2 Test Setup

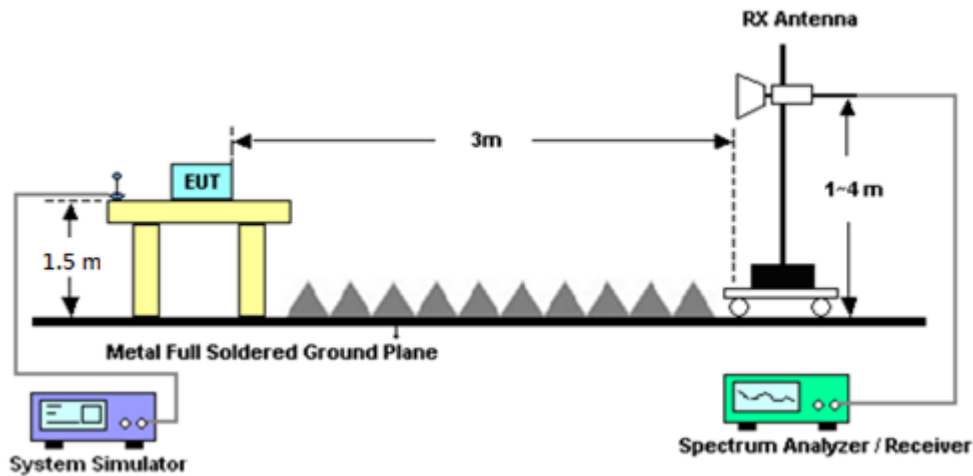
For radiated test below 30MHz



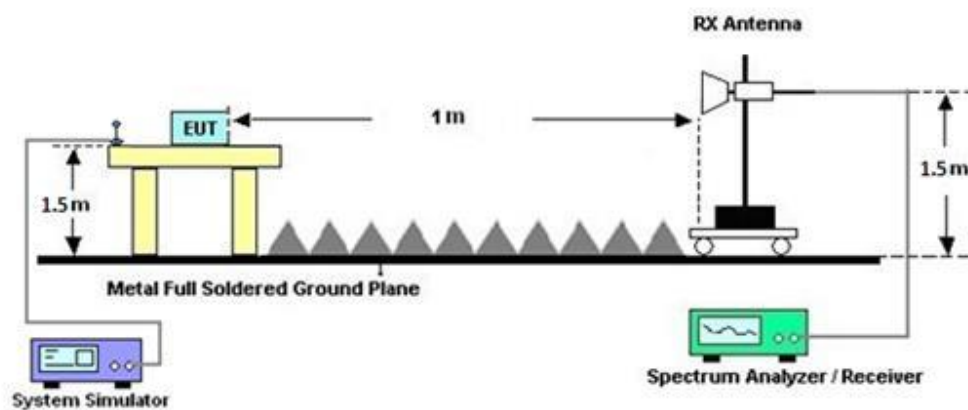
For radiated test from 30MHz to 1GHz



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

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -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 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 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. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. 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
8. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
9. ERP (dBm) = EIRP (dBm) - 2.15
10. 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	Dec. 11, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Dec. 10, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 04, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Mar. 03, 2027	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 11, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Dec. 10, 2026	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 12, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Apr. 11, 2027	Radiation (03CH13-HY)
Double Ridged Guide Horn Antenna	SCHWARZB ECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Sep. 03, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Sep. 02, 2026	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 13, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	May 12, 2027	Radiation (03CH13-HY)
Preamplifier	EMEC	EM01G18G	060803	1GHz-18GHz	Jan. 07, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Jan. 06, 2027	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Dec. 05, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Dec. 04, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 05, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Feb. 04, 2027	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102E	508408-2E	30MHz~40GHz	Jun. 15, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Jun. 14, 2027	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 05, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Feb. 04, 2027	Radiation (03CH13-HY)
Notch Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 10, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Sep. 09, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 08, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Jul. 07, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 07, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Jul. 06, 2027	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 06, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Mar. 05, 2027	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 08, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Sep. 07, 2026	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 05, 2026 ~ Jul. 15, 2026	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 05, 2026 ~ Jul. 15, 2026	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 05, 2026 ~ Jul. 15, 2026	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Jul. 05, 2026 ~ Jul. 15, 2026	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZB ECK	BBHA 9170	1230	18GHz-40GHz	Nov. 05, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Nov. 04, 2026	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Dec. 01, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2, 8040 12/2	18GHz~40GHz	Dec. 18, 2025	Jul. 05, 2026 ~ Jul. 15, 2026	Dec. 17, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-900-1000-15000-6 0SS	SN11	1GHz High Pass Filter	Mar. 11, 2026	Jul. 05, 2026 ~ Jul. 15, 2026	Mar. 10, 2027	Radiation (03CH13-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101691	10Hz~44GHz	May 22, 2026	Aug. 06, 2026~ Aug. 17, 2026	May 21, 2027	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-242	93000763	-30℃ ~90℃	Jan. 05, 2026	Aug. 06, 2026~ Aug. 17, 2026	Jan. 04, 2027	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 04, 2026	Aug. 06, 2026~ Aug. 17, 2026	Mar. 03, 2027	Conducted (TH05-HY)
Radio Communication Test Station	Anritsu	MT8000A	6262186342	FR1	Nov. 03, 2025	Aug. 06, 2026~ Aug. 17, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power divider	MVE	MVE8283	F201918	9KHz~40GHz	Dec. 31, 2025	Aug. 06, 2026~ Aug. 17, 2026	Dec. 30, 2026	Conducted (TH05-HY)



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RF Cable	MVE	MCBL-LL403P. 50	F20069C	9KHz~40GHz	Jan. 13, 2026	Aug. 06, 2026~ Aug. 17, 2026	Jan. 12, 2027	Conducted (TH05-HY)
Software 1	Sporton	FCC 5GNR Test Tools Ver1.0	N/A	Conducted Test Item	N/A	Aug. 06, 2026~ Aug. 17, 2026	N/A	Conducted (TH05-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.6 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.6 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

NR n48 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
20	1	1	PI/2 BPSK	22.74	22.98	22.70	22.91	0.1954		
20	1	49		22.79	22.83	22.44				
20	25	12		22.85	23.02	22.61				
20	1	0		22.20	22.51	22.01				
20	1	50		22.26	22.32	21.92				
20	50	0		22.27	22.48	22.12				
20	1	1	QPSK	22.69	22.90	22.67				
20	1	49		22.72	22.78	22.41				
20	25	12		22.87	22.98	22.61				
20	1	0		21.70	21.87	21.54				
20	1	50		21.77	21.72	21.37				
20	50	0		21.82	21.99	21.56				
20	1	1	16-QAM	21.89	22.11	21.85	22.00	0.1585		
20	1	1	64-QAM	20.30	20.41	20.26				
20	1	1	256-QAM	17.99	18.27	17.94				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

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

NR n48 Maximum Average Power [dBm] (GT - LC = -0.11 dB)										
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)		
40	1	1	PI/2 BPSK	22.77	22.91	22.80	22.88	0.1941		
40	1	104		22.75	22.78	22.45				
40	50	25		22.89	22.99	22.79				
40	1	0		22.21	22.35	22.21				
40	1	105		22.25	22.21	21.94				
40	100	0		22.36	22.40	22.22				
40	1	1	QPSK	22.70	22.91	22.77				
40	1	104		22.77	22.77	22.35				
40	50	25		22.86	22.91	22.71				
40	1	0		21.73	21.78	21.69				
40	1	105		21.77	21.72	21.35				
40	100	0		21.81	21.91	21.72				
40	1	1	16-QAM	21.95	22.11	21.95	22.00	0.1585		
40	1	1	64-QAM	20.23	20.40	20.25				
40	1	1	256-QAM	18.01	18.23	18.02				
Limit	EIRP < 23dBm/10MHz			Result			Pass			

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

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)														
BW	RB	RB	Mod	MIMO 1			MIMO 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20	1	1	QPSK	18.08	18.28	17.95	17.89	17.83	17.62	21.00	21.07	20.80	21.94	0.1563
20	1	49		18.11	18.15	17.94	17.57	17.86	17.88	20.86	21.02	20.92		
20	25	12		18.22	18.30	17.98	17.91	17.81	17.91	21.08	21.07	20.96		
20	1	0		16.79	16.75	16.51	16.24	16.24	16.27	19.53	19.51	19.40		
20	1	50		16.67	16.64	16.45	16.25	16.32	16.22	19.48	19.49	19.35		
20	51	0		16.70	16.82	16.46	16.32	16.31	16.33	19.52	19.58	19.41		
20	1	1	16-QAM	17.61	17.61	17.53	17.35	17.31	17.43	20.49	20.47	20.49	21.35	0.1365
20	1	1	64-QAM	16.25	16.44	16.15	15.79	15.80	15.75	19.04	19.14	18.96		
20	1	1	256-QAM	13.31	13.46	13.12	13.02	12.98	12.98	16.18	16.24	16.06		
Limit	EIRP < 23dBm/10MHz			Result									Pass	

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

NR n48 Maximum Average Power [dBm] (GT - LC = 0.86 dB)														
BW	RB	RB	Mod	MIMO 1			MIMO 2			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
40	1	1	QPSK	18.30	18.41	18.23	17.60	18.16	17.76	20.97	21.30	21.01	22.16	0.1644
40	1	104		18.06	18.32	17.84	17.65	17.96	18.08	20.87	21.15	20.97		
40	53	26		18.20	18.43	18.12	17.77	18.01	17.94	21.00	21.24	21.04		
40	1	0		16.50	16.92	16.63	16.07	16.41	16.28	19.30	19.68	19.47		
40	1	105		16.66	16.91	16.51	16.28	16.38	16.43	19.48	19.66	19.48		
40	106	0		16.71	16.98	16.60	16.32	16.52	16.54	19.53	19.77	19.58		
40	1	1	16-QAM	17.46	17.91	17.69	16.83	17.61	17.25	20.17	20.77	20.49	21.63	0.1455
40	1	1	64-QAM	16.14	16.60	16.36	15.72	16.11	15.90	18.95	19.37	19.15		
40	1	1	256-QAM	13.26	13.56	13.50	12.88	13.14	13.16	16.08	16.37	16.34		
Limit	EIRP < 23dBm/10MHz			Result									Pass	

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



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Ryan Hung, Jacky Hong, and White Hou	Relative Humidity(%):	47.1 ~ 53.4%
		Temperature(°C):	21.6 ~25.7°C

B1.Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	NR SA n48	Part 96	H	11044	-56.45	RMS	38.71	-41.18	0.52	-95.23	40.73	-40.00	-16.45	H	MIMO2

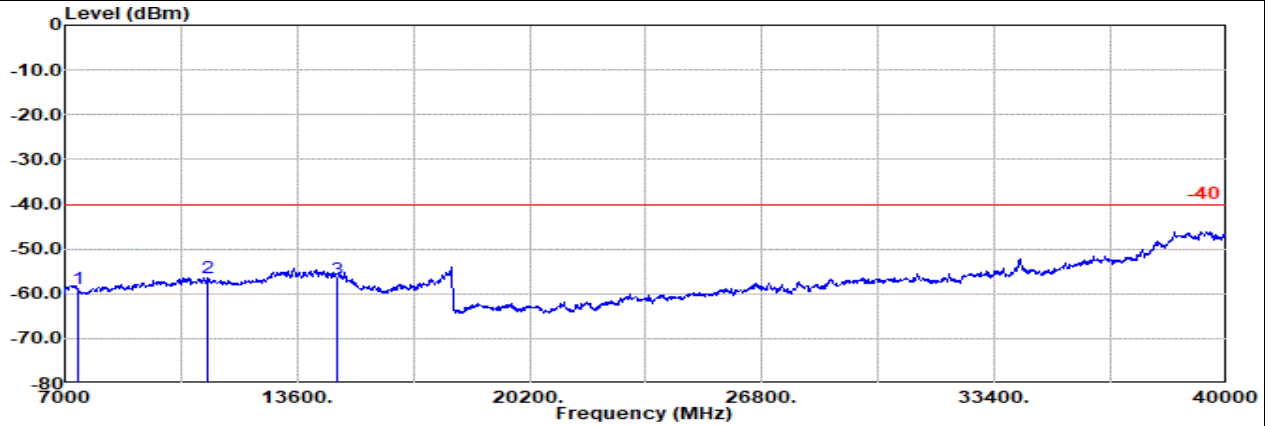


Ant. MIMO2

Part 96 Mode 2

NR SA n48 HPUE 20M Ch646000 1RB1 BPSK

H

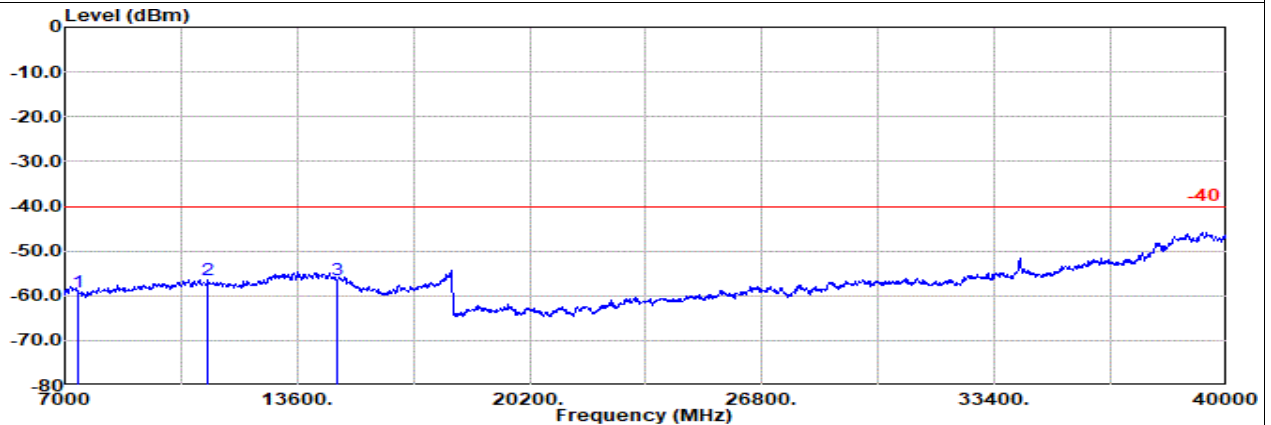


Site : 03CH13-HY

Condition: -40 1m SHF_BBHA9170_1230 Horizontal

: SA n48 HPUE 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	7363.00	-58.98	RMS	36.55	-45.30	0.84	-95.23	0.00	-40.00	-18.98	Horizontal
2	11044.00	-56.45	RMS	38.71	-41.18	0.52	-95.23	40.73	-40.00	-16.45	Horizontal
3	14725.00	-56.65	RMS	40.00	-39.03	0.67	-95.23	36.94	-40.00	-16.65	Horizontal



Site : 03CH13-HY

Condition: -40 1m SHF_BBHA9170_1230 Vertical

: SA n48 HPUE 20M Ch646000 1RB1 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm				dB	dB	dBuV	dBm	dB	
1	7363.00	-59.10	RMS	36.55	-45.30	0.84	-95.23	44.04	-40.00	-19.10	Vertical
2	11044.00	-56.50	RMS	38.71	-41.18	0.52	-95.23	40.68	-40.00	-16.50	Vertical
3	14725.00	-56.53	RMS	40.00	-39.03	0.67	-95.23	37.06	-40.00	-16.53	Vertical

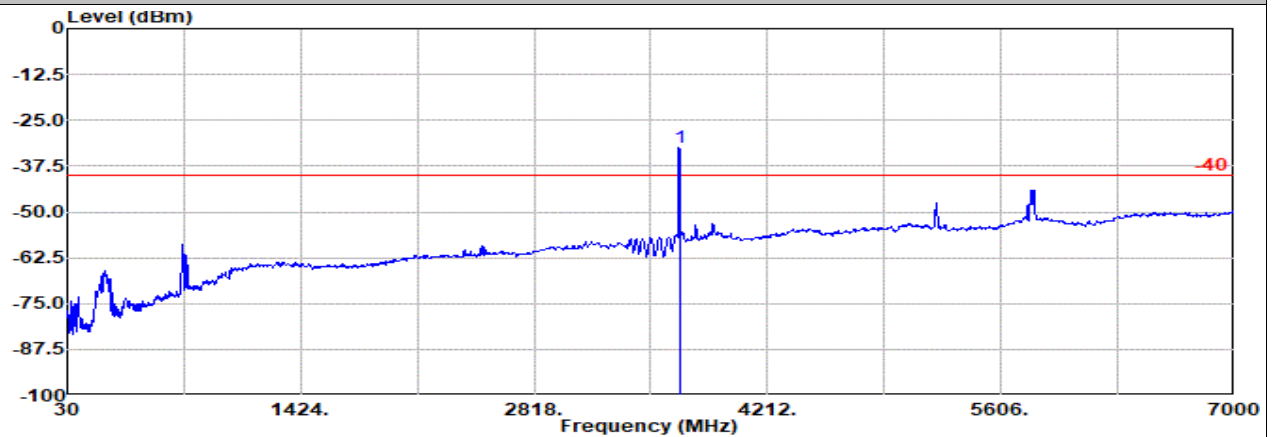


Ant. MIMO2

Part 96 Mode 2

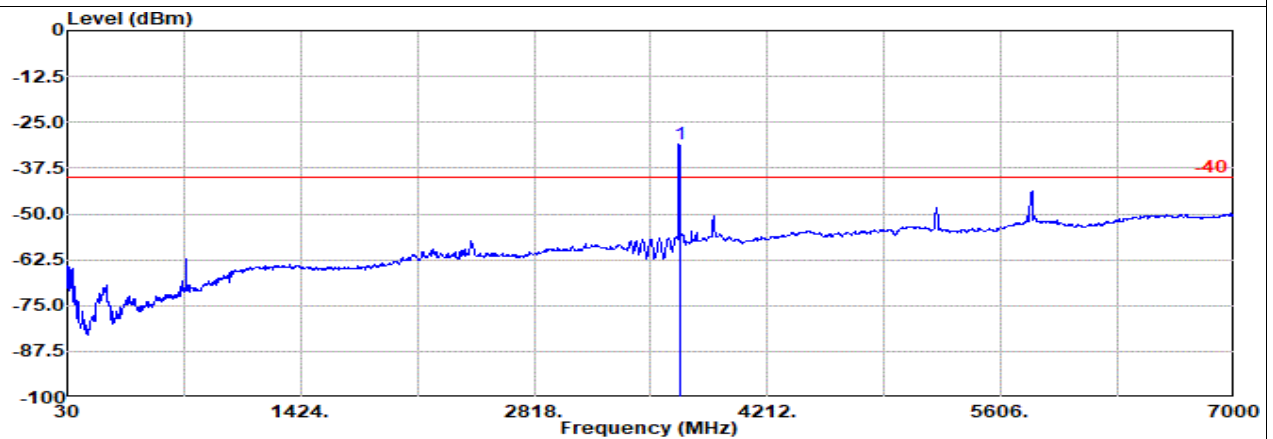
NR SA n48 HPUE 20M Ch646000 1RB1 BPSK

H



Site : 03CH13-HY
Condition: -40 3m HORN_9120D_1326 Horizontal
: SA n48 HPUE 20M Ch646000 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3690.00	-32.57	RMS	29.76	-28.56	0.61	-95.23	60.85	-----	-----	Horizontal



Site : 03CH13-HY
Condition: -40 3m HORN_9120D_1326 Vertical
: SA n48 HPUE 20M Ch646000 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3690.00	-30.95	RMS	29.76	-28.56	0.61	-95.23	62.47	-----	-----	Vertical