



FCC RADIO TEST REPORT

FCC ID : B94HNI67C4BLV
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I67C-4
Applicant : HP Inc.
1501 Page Mill Road, Palo Alto CA, 94304, USA
Standard : FCC 47 CFR Part 2, 96

The product was received on Jan. 28, 2026 and testing was performed from Mar. 03, 2026 to Mar. 18, 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.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FG5O2730-02E	01	Initial issue of report	Apr. 10, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
-	ANSI C63.26	Peak-to-Average Ratio	Pass	See Note
3.3	§96.41	Effective Isotropic Radiated Power	Pass	-
		Power Density	Pass	-
-	§2.1049	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:

1. For host device, Field Strength of Spurious Radiation, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
2. As the RF design of this device is identical to that of FCC ID B94HNI65C4BLV, with the only variation being the CPU platform, RSE data reuse from FCC ID B94HNI65C4BLV is hereby requested.
Spot-check measurements presented in Appendix A and B of this report substantiate and justify the validity of the RSE data reuse for this device configuration.

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: Sheng Kuo**Report Producer: Aya Yang**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11ax/be, NFC and GNSS
Integrated WLAN Module	Brand Name: Intel Model Name: BE211D2W FCC ID: PD9BE211D2
Integrated NFC Module	Brand Name: WNC Model Name: XRAV1 FCC ID: NKR-XRAV1
Antenna Type	WWAN: PIFA Antenna WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

Support band and evaluated information	
Supported band	n48, n48B, n48C
Evaluated and Tested band	n48B

TDD band Power Class		
	PC3	PC2
n48	V	-

WWAN Antenna Information				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	5G NR n48: 0.94
	Part number	6036B0383901 (260-27594)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	5G NR n48: -3.59
	Part number	81EACC15.G29	Type	PIFA

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing 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.		
	TH05-HY	03CH15-HY	03CH21-HY
Test Engineer	Jimmy Chang	Bigshow Wang	Jack Cheng, Ray Lung
Temperature (°C)	21.4~23.6	21.3~21.5	18.0~26.0
Relative Humidity (%)	45.4~49.8	53.0~55.0	50.0~70.0

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 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems

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 v03r01 Power Meas. License Digital Systems v03r01 with maximum output power

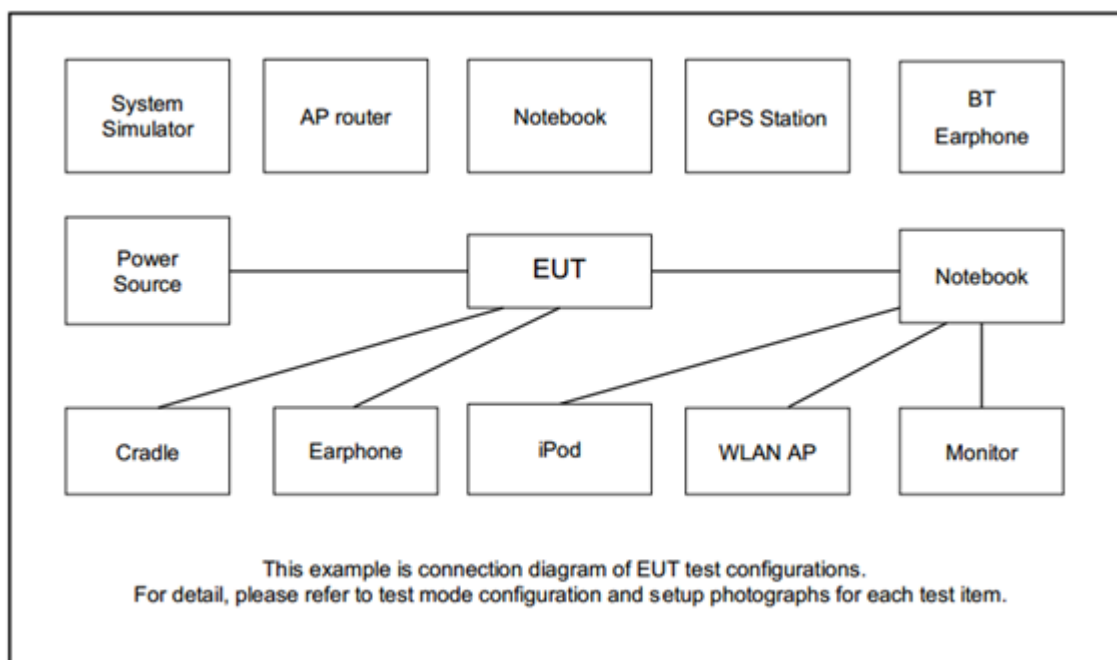
Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM PI/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1RB	L, M, H
ERP/EIRP	A, B, C	All	1RB	L, M, H
RSE	A	Max	1RB	Remark 5

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. For modulation of pi/2 BPSK & QPSK & 16QAM, the maximum power of pi/2 BPSK & QPSK & 16QAM is higher than other modulation (64QAM/256QAM), therefore, according to engineering evaluation, we choose higher power (pi/2 BPSK & QPSK & 16QAM) to perform tests and show in the report.
4. 5G NR n48B only combinations verifying the maximum power reported by the original module.
5. Based on the evaluation of FCC ID B94HNI65C4BLV, verify the worst channel.

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.	Iphone Earphone	Apple	N/A	N/A	Shielded, 1.2 m	N/A
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
4.	Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

5G NR Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel	640000	641666	643332
	Frequency	3600	3624.99	3649.98
90	Channel	639668	641666	643666
	Frequency	3595.02	3624.99	3654.99
80	Channel	639334	641666	644000
	Frequency	3590.01	3624.99	3660
70	Channel	639000	641666	644332
	Frequency	3585	3624.99	3664.98
60	Channel	638668	641666	644666
	Frequency	3580.02	3624.99	3669.99
50	Channel	638334	641666	645000
	Frequency	3575.01	3624.99	3675
40	Channel	638000	641666	645332
	Frequency	3570	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
15	Channel	637168	641666	646166
	Frequency	3557.52	3624.99	3692.49
10	Channel	637000	641666	646332
	Frequency	3555	3624.99	3694.98



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10+15	PCC	Channel	637000	641166	645334
		Frequency	3555	3617.49	3680.01
	SCC	Channel	637832	641998	646166
		Frequency	3567.48	3629.97	3692.49
10+20	PCC	Channel	637000	641000	645024
		Frequency	3555	3615	3675.36
	SCC	Channel	637976	641976	646000
		Frequency	3569.64	3629.64	3690
10+30	PCC	Channel	637000	640666	644354
		Frequency	3555	3609.99	3665.31
	SCC	Channel	638312	641978	645666
		Frequency	3574.68	3629.67	3684.99
10+40	PCC	Channel	637000	640334	643708
		Frequency	3555	3605.01	3655.62
	SCC	Channel	638624	641958	645332
		Frequency	3579.36	3629.37	3679.98
10+50	PCC	Channel	637000	640000	643040
		Frequency	3555	3600	3645.6
	SCC	Channel	638960	641960	645000
		Frequency	3584.4	3629.4	3675
15+10	PCC	Channel	637168	641334	645500
		Frequency	3557.52	3620.01	3682.5
	SCC	Channel	638000	642166	646332
		Frequency	3570	3632.49	3694.98
15+15	PCC	Channel	637168	641166	645166
		Frequency	3557.52	3617.49	3677.49
	SCC	Channel	638168	642166	646166
		Frequency	3572.52	3632.49	3692.49
15+20	PCC	Channel	637168	641000	644856
		Frequency	3557.52	3615	3672.84
	SCC	Channel	638312	642144	646000
		Frequency	3574.68	3632.16	3690



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
15+30	PCC	Channel	637168	640666	644186
		Frequency	3557.52	3609.99	3662.79
	SCC	Channel	638648	642146	645666
		Frequency	3579.72	3632.19	3684.99
15+40	PCC	Channel	637168	640334	643540
		Frequency	3557.52	3605.01	3653.1
	SCC	Channel	638960	642126	645332
		Frequency	3584.4	3631.89	3679.98
20+10	PCC	Channel	637334	641334	645356
		Frequency	3560.01	3620.01	3680.34
	SCC	Channel	638310	642310	646332
		Frequency	3574.65	3634.65	3694.98
20+15	PCC	Channel	637334	641166	645022
		Frequency	3560.01	3617.49	3675.33
	SCC	Channel	638478	642310	646166
		Frequency	3577.17	3634.65	3692.49
20+20	PCC	Channel	637334	641000	644668
		Frequency	3560.01	3615	3670.02
	SCC	Channel	638666	642332	646000
		Frequency	3579.99	3634.98	3690
20+30	PCC	Channel	637334	640666	644002
		Frequency	3560.01	3609.99	3660.03
	SCC	Channel	638998	642330	645666
		Frequency	3584.97	3634.95	3684.99
20+40	PCC	Channel	637334	640334	643352
		Frequency	3560.01	3605.01	3650.28
	SCC	Channel	639314	642314	645332
		Frequency	3589.71	3634.71	3679.98
20+50	PCC	Channel	637334	640000	642684
		Frequency	3560.01	3600	3640.26
	SCC	Channel	639650	642316	645000
		Frequency	3594.75	3634.74	3675



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
30+10	PCC	Channel	637668	641334	645020
		Frequency	3565.02	3620.01	3675.3
	SCC	Channel	638980	642646	646332
		Frequency	3584.7	3639.69	3694.98
30+20	PCC	Channel	637668	641000	644336
		Frequency	3565.02	3615	3665.04
	SCC	Channel	639332	642664	646000
		Frequency	3589.98	3639.96	3690
30+30	PCC	Channel	637668	640666	643666
		Frequency	3565.02	3609.99	3654.99
	SCC	Channel	639668	642666	645666
		Frequency	3595.02	3639.99	3684.99
30+40	PCC	Channel	637668	640334	643020
		Frequency	3565.02	3605.01	3645.3
	SCC	Channel	639980	642646	645332
		Frequency	3599.7	3639.69	3679.98
30+50	PCC	Channel	637668	640000	642352
		Frequency	3565.02	3600	3635.28
	SCC	Channel	640316	642648	645000
		Frequency	3604.74	3639.72	3675
40+10	PCC	Channel	638000	641334	644708
		Frequency	3570	3620.01	3670.62
	SCC	Channel	639624	642958	646332
		Frequency	3594.36	3644.37	3694.98
40+20	PCC	Channel	638000	641000	644020
		Frequency	3570	3615	3660.3
	SCC	Channel	639980	642980	646000
		Frequency	3599.7	3644.7	3690
40+30	PCC	Channel	638000	640666	643354
		Frequency	3570	3609.99	3650.31
	SCC	Channel	640312	642978	645666
		Frequency	3604.68	3644.67	3684.99



5G NR n48B Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
40+40	PCC	Channel	638000	640334	642668
		Frequency	3570	3605.01	3640.02
	SCC	Channel	640664	642998	645332
		Frequency	3609.96	3644.97	3679.98
40+50	PCC	Channel	638000	640000	642004
		Frequency	3570	3600	3630.06
	SCC	Channel	640996	642996	645000
		Frequency	3614.94	3644.94	3675



5G NR n48C Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10+100	PCC	Channel	637000	638334	639692
		Frequency	3555	3575.01	3595.38
	SCC	Channel	640640	641974	643332
		Frequency	3609.6	3629.61	3649.98
15+100	PCC	Channel	637168	638334	639524
		Frequency	3557.52	3575.01	3592.86
	SCC	Channel	640976	642142	643332
		Frequency	3614.64	3632.13	3649.98
15+90	PCC	Channel	637168	638666	640194
		Frequency	3557.52	3579.99	3602.91
	SCC	Channel	640640	642138	643666
		Frequency	3609.6	3632.07	3654.99
20+100	PCC	Channel	637334	638334	639336
		Frequency	3560.01	3575.01	3590.04
	SCC	Channel	641330	642330	643332
		Frequency	3619.95	3634.95	3649.98
20+90	PCC	Channel	637334	638666	640006
		Frequency	3560.01	3579.99	3600.09
	SCC	Channel	640994	642326	643666
		Frequency	3614.91	3634.89	3654.99
40+100	PCC	Channel	638000	638334	638684
		Frequency	3570	3575.01	3580.26
	SCC	Channel	642648	642982	643332
		Frequency	3639.72	3644.73	3649.98
40+90	PCC	Channel	638000	638666	639346
		Frequency	3570	3579.99	3590.19
	SCC	Channel	642320	642986	643666
		Frequency	3634.8	3644.79	3654.99
40+80	PCC	Channel	638000	639000	640012
		Frequency	3570	3585	3600.18
	SCC	Channel	641988	642988	644000
		Frequency	3629.82	3644.82	3660



5G NR n48C Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
80+40	PCC	Channel	639334	640334	641344
		Frequency	3590.01	3605.01	3620.16
	SCC	Channel	643322	644322	645332
		Frequency	3649.83	3664.83	3679.98
90+20	PCC	Channel	639668	641000	642340
		Frequency	3595.02	3615	3635.1
	SCC	Channel	643328	644660	646000
		Frequency	3649.92	3669.9	3690
90+40	PCC	Channel	639668	640334	641012
		Frequency	3595.02	3605.01	3615.18
	SCC	Channel	643988	644654	645332
		Frequency	3659.82	3669.81	3679.98
100+10	PCC	Channel	640000	641334	642692
		Frequency	3600	3620.01	3640.38
	SCC	Channel	643640	644974	646332
		Frequency	3654.6	3674.61	3694.98
100+15	PCC	Channel	640000	641166	642358
		Frequency	3600	3617.49	3635.37
	SCC	Channel	643808	644974	646166
		Frequency	3657.12	3674.61	3692.49
100+20	PCC	Channel	640000	641000	642004
		Frequency	3600	3615	3630.06
	SCC	Channel	643996	644996	646000
		Frequency	3659.94	3674.94	3690
100+40	PCC	Channel	640000	640334	640684
		Frequency	3600	3605.01	3610.26
	SCC	Channel	644648	644982	645332
		Frequency	3669.72	3674.73	3679.98

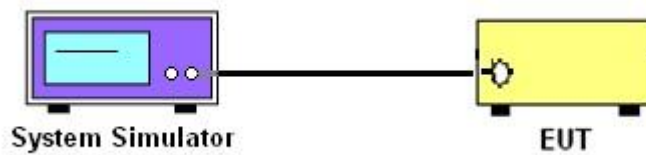
3 Conducted Test Items

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 and Power Density 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,

$EIRP = P_T + G_T - LC$, where

P_T = transmitter output power in dBm

G_T = 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.

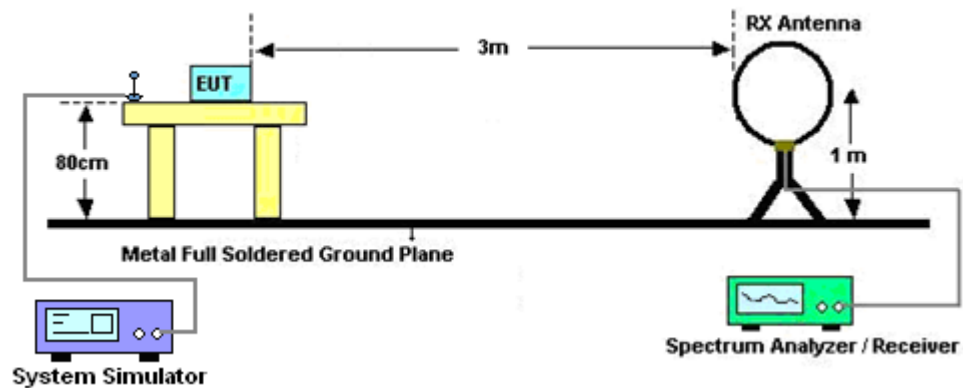
4 Radiated Test Items

4.1 Measuring Instruments

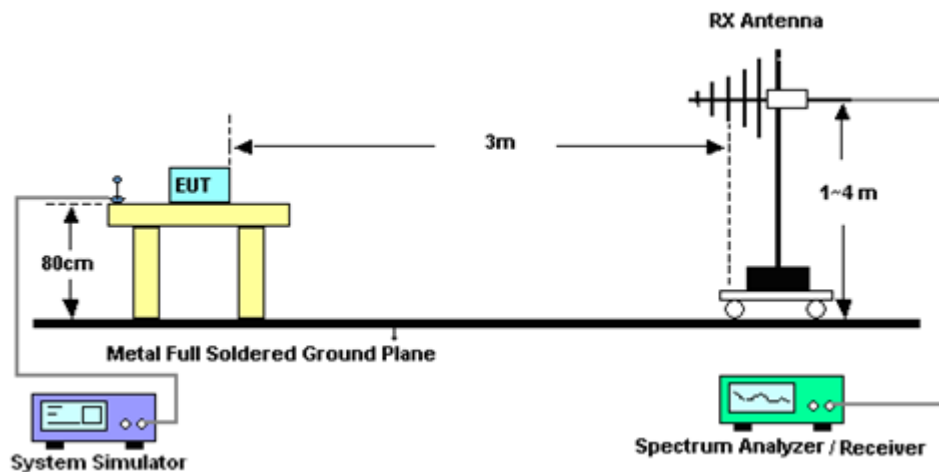
See list of measuring instruments of this test report.

4.2 Test Setup

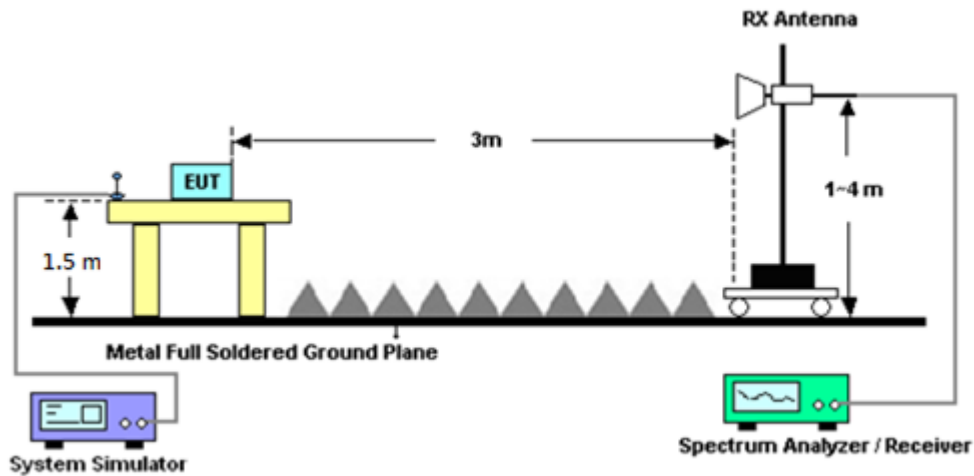
For radiated test below 30MHz



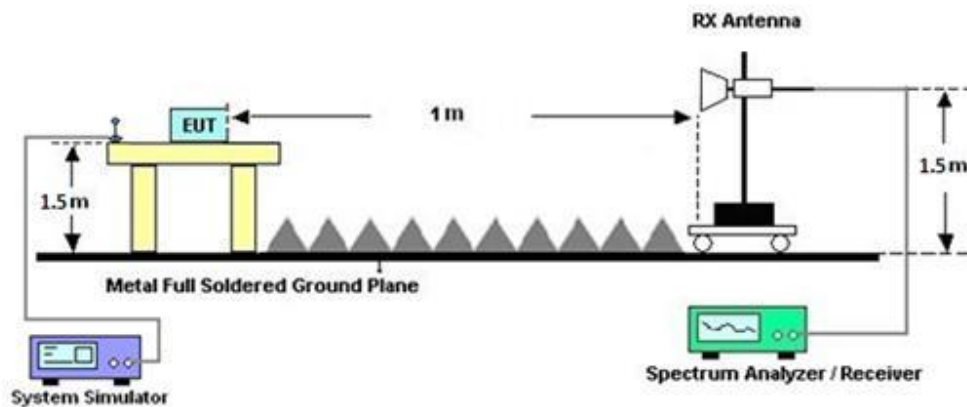
For radiated test from 30MHz to 1GHz



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 5.5.7 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
Hygrometer	TECEPEL	DTM-303A	TP201996	NA	Nov. 04, 2025	Mar. 03, 2026 ~Mar. 04, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Base Station (Measure)	Anritsu	MT8000A	6261940327	FR1	Jan. 02, 2026	Mar. 03, 2026 ~Mar. 04, 2026	Jan. 01, 2027	Conducted (TH05-HY)
Signal Generator	Anritsu	MG3710A	6261943042	8MHz~40GHz	May. 22, 2025	Mar. 03, 2026 ~Mar. 04, 2026	May. 21, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Mar. 03, 2026 ~Mar. 04, 2026	Jun. 13, 2026	Conducted (TH05-HY)
RF Cable	MVE	MCBL-LL403P. 50	E80002C	9KHz~40GHz	Aug. 01, 2025	Mar. 03, 2026 ~Mar. 04, 2026	Jul. 31, 2026	Conducted (TH05-HY)
Software 1	Sporton	FCC 5GNR_FSV30 44_20231106	N/A	Conducted Test Item	N/A	Mar. 03, 2026 ~Mar. 04, 2026	N/A	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 06, 2025	Mar. 04, 2026~ Mar. 12, 2026	May 05, 2026	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 06, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 05, 2026	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 04, 2025	Mar. 04, 2026~ Mar. 12, 2026	Oct. 03, 2026	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Feb. 11, 2026	Mar. 04, 2026~ Mar. 12, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060802	1GHz~18GHz	Feb. 11, 2026	Mar. 04, 2026~ Mar. 12, 2026	Feb. 10, 2027	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2026	Mar. 04, 2026~ Mar. 12, 2026	May 25, 2027	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010B	MY60241058	10Hz~44Gz	Jul. 15, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jul. 14, 2026	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
Software	Audix	E3_V9_23062 1	RK-002394	N/A	N/A	Mar. 04, 2026~ Mar. 12, 2026	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, 519228/2,80 3950/2	30MHz~18GHz	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY519228/2, 803950/2,50 8407/2E	30MHz~40GHz	Sep. 24, 2025	Mar. 04, 2026~ Mar. 12, 2026	Sep. 23, 2026	Radiation (03CH15-HY)
Hygrometer	TECEPEL	DTM-302	SN2	N/A	Aug. 26, 2025	Mar. 04, 2026~ Mar. 12, 2026	Aug. 25, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX12-900- 1000-15000-6 OSS	SN10	1GHz High Pass Filter	Dec. 22, 2025	Mar. 04, 2026~ Mar. 12, 2026	Dec. 21, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX12-2700 -3000-18000-6 OST	SN4	3GHz High Pass Filter	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-5872. 5-6750-18000- 40ST	SN6	6.75GHz High Pass Filter	Jun. 03, 2025	Mar. 04, 2026~ Mar. 12, 2026	Jun. 02, 2026	Radiation (03CH15-HY)
Filter	wright	WHKX8-6090- 7000-18000-4 OSS	SN98	7GHz High Pass Filter	Dec. 22, 2025	Mar. 04, 2026~ Mar. 12, 2026	Dec. 21, 2026	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Mar. 16, 2026~ Mar. 18, 2026	Dec. 10, 2026	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Nov. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Nov. 25, 2026	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Aug. 07, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 06, 2026	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Mar. 16, 2026~ Mar. 18, 2026	Jul. 01, 2026	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 13, 2025	Mar. 16, 2026~ Mar. 18, 2026	Jul. 12, 2026	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Sep. 25, 2026	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 25, 2026	Radiation (03CH21-HY)
EXA Signal Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 09, 2025	Mar. 16, 2026~ Mar. 18, 2026	Sep. 08, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 04, 2026	Mar. 16, 2026~ Mar. 18, 2026	Mar. 03, 2027	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,80 4612/2,8039 54/2	30MHz~40GHz	Aug. 11, 2025	Mar. 16, 2026~ Mar. 18, 2026	Aug. 10, 2026	Radiation (03CH21-HY)
RF Cable	EMCI	EMC101Y-KM-KM-1000	240906	30MHz~40GHz	Oct. 21, 2025	Mar. 16, 2026~ Mar. 18, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 21, 2025	Mar. 16, 2026~ Mar. 18, 2026	Oct. 20, 2026	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Mar. 16, 2026~ Mar. 18, 2026	N/A	Radiation (03CH21-HY)

6 Measurement Uncertainty

<03CH15-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
---	--------

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
---	--------

<03CH21-HY>

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

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

Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

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

Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power and ERP/EIRP)														
NR n48B ULCA Maximum Average Power [dBm] (GT - LC = 0.94 dB)														
BW	RB	RB	Mod	PCC			SCC			Combine			EIRP	EIRP
(MHz)	Size	Offset		Lowest	Middle	Highest	Lowest	Middle	Highest	Lowest	Middle	Highest	(dBm)	(W)
20+40	1RB50	1RB0	PI/2 BPSK	18.65	18.79	18.93	18.57	18.70	18.86	21.62	21.76	21.91	22.92	0.1959
	1RB50	1RB0	QPSK	18.73	18.87	18.99	18.68	18.81	18.95	21.72	21.85	21.98		
	1RB50	1RB0	16-QAM	17.20	17.89	17.96	17.82	17.96	18.10	20.53	20.94	21.04		
Limit	EIRP < 23dBm/10MHz			Result									Pass	



Appendix B. Radiated Spurious Emission Test Data

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

<Vendor 1>

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 CA n48B	Part 96	M	14328	-49.61	RMS	41.06	-22.79	2.21	-95.23	25.14	-40.00	-9.61	H	Ant 5

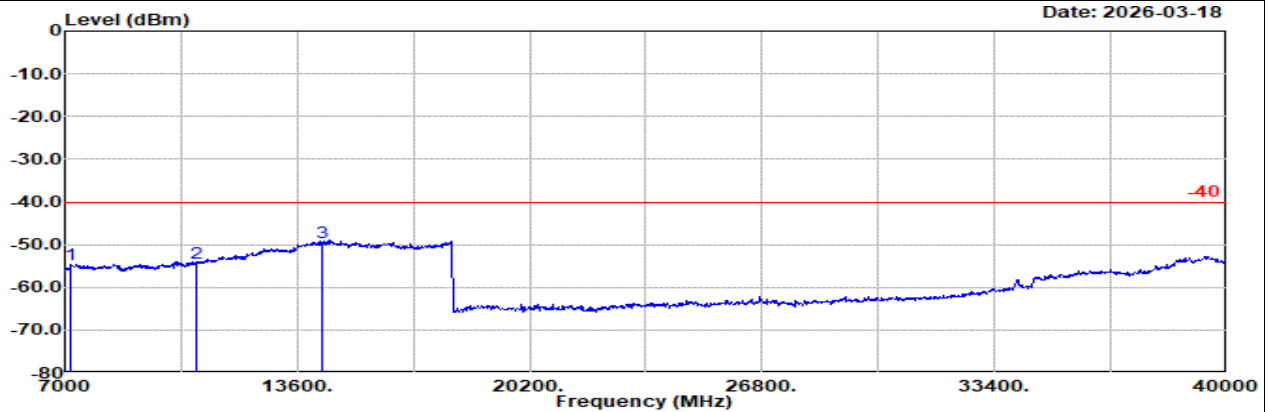


Ant. 5

Part 96 Mode 2

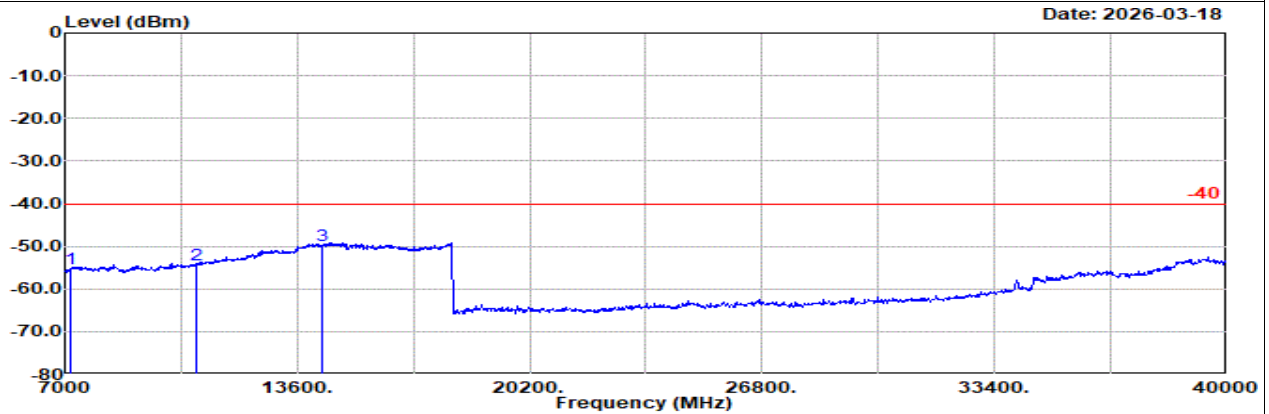
NR CA n48B 40M + 50M Ch640000 1RB105 BPSK + Ch642996 1RB0 BPSK

M



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_250702 Horizontal
: NR CA n48 40M Ch640000 1RB105 BPSK
: NR CA n48 50M Ch642996 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1				g			
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	7164.00	-54.77	RMS	36.33	-21.45	2.03	-95.23	0.00	-40.00	-14.77	Horizontal	
2	10746.00	-54.41	RMS	37.59	-21.77	1.84	-95.23	23.16	-40.00	-14.41	Horizontal	
3	14328.00	-49.61	RMS	41.06	-22.79	2.21	-95.23	25.14	-40.00	-9.61	Horizontal	



Site : 03CH21-HY
Condition: -40 1m BBHA9170_1223_250702 Vertical
: NR CA n48 40M Ch640000 1RB105 BPSK
: NR CA n48 50M Ch642996 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1				g			
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	7164.00	-55.15	RMS	36.33	-21.45	2.03	-95.23	23.17	-40.00	-15.15	Vertical	
2	10746.00	-54.28	RMS	37.59	-21.77	1.84	-95.23	23.29	-40.00	-14.28	Vertical	
3	14328.00	-49.79	RMS	41.06	-22.79	2.21	-95.23	24.96	-40.00	-9.79	Vertical	

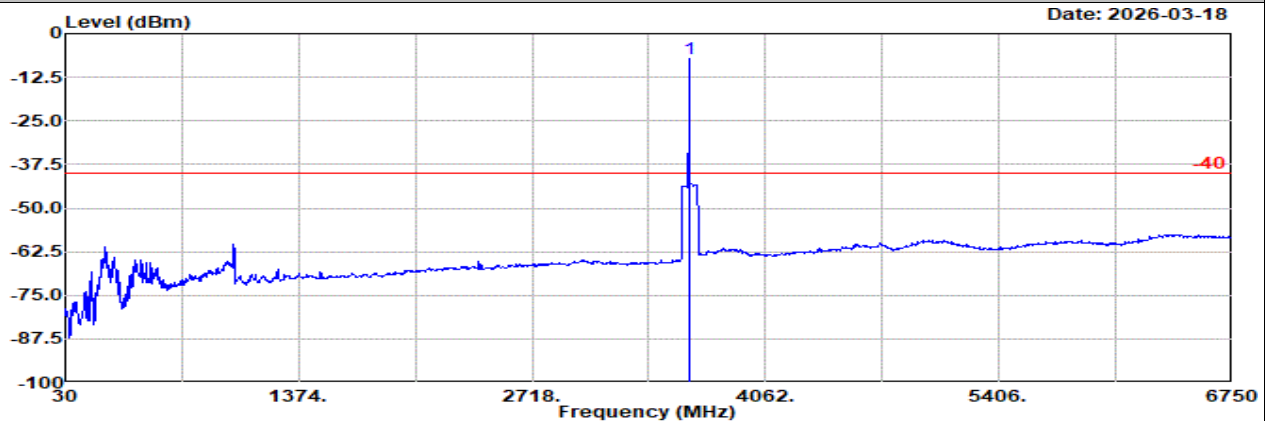


Ant. 5

Part 96 Mode 2

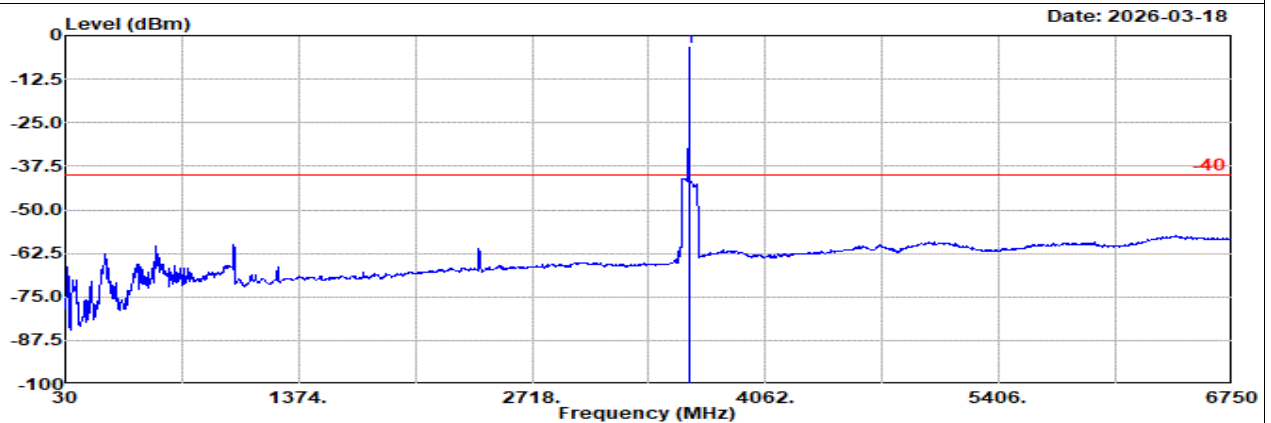
LTE CA n48B 40M + 50M Ch640000 1RB105 BPSK + Ch642996 1RB0 BPSK

M



Site : 03CH21-HY
Condition: -40 3m LF_63303&001_251126 Horizontal
: NR CA n48 40M Ch640000 1RB105 BPSK
: NR CA n48 50M Ch642996 1RB0 BPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3622.00	-7.24	RMS	29.29	-23.92	0.00	-95.23	82.62	-40.00	32.76 Horizontal



Site : 03CH21-HY
Condition: -40 3m LF_63303&001_251126 Vertical
: NR CA n48 40M Ch640000 1RB105 BPSK
: NR CA n48 50M Ch642996 1RB0 BPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3622.00	-3.25	RMS	29.29	-23.92	0.00	-95.23	86.61	-40.00	36.75 Vertical



<Vendor 2>

B2. 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
1	EN-DC B48+n5	Part 96	H	7363	-44.27	RMS	36.62	-44.27	0.87	-95.23	57.74	-40.00	-4.27	V	Ant 5

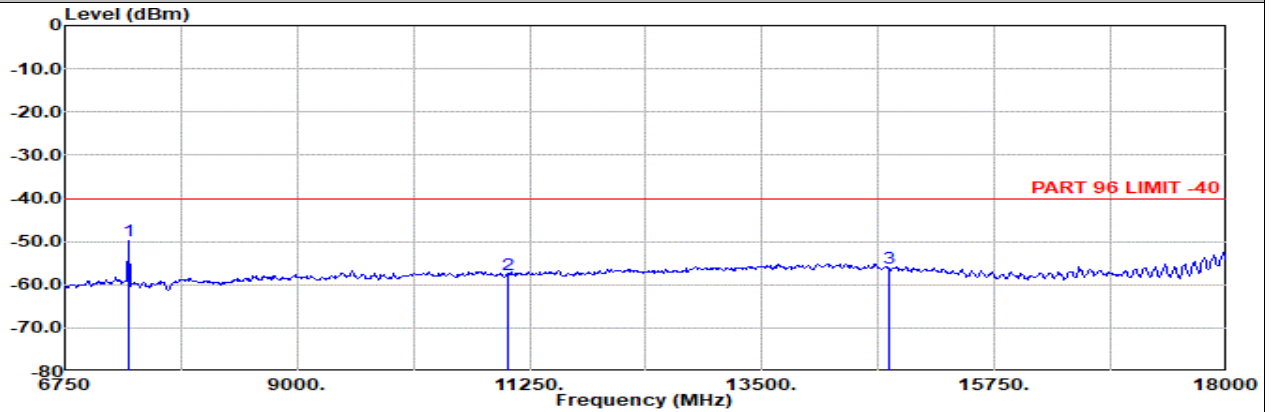


Ant 5

Part 96 Mode 1

EN-DC B48+n5 Ch56640 + Ch167300

H



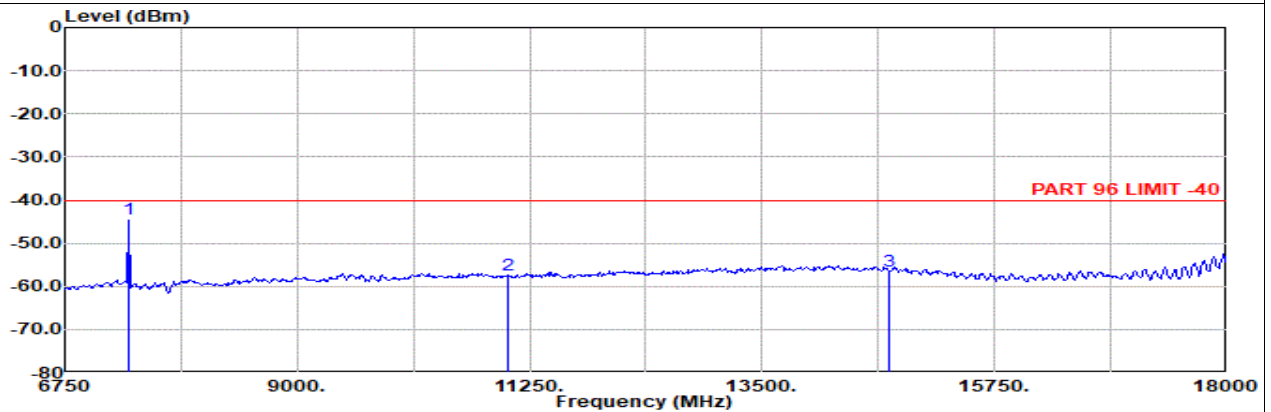
Site : 03CH15-HY

Condition: PART 96 LIMIT -40 3m 9120D-02294_250606 Horizontal

: LTE Band 48 20M Ch56640 1RB0 QPSK

: SA n5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	7363.00	-49.86	RMS	36.62	-44.27	0.87	-95.23	52.15	-40.00	-9.86	Horizontal
2	11044.00	-57.64	RMS	38.70	-39.46	0.63	-95.23	37.72	-40.00	-17.64	Horizontal
3	14725.00	-56.05	RMS	39.78	-35.83	0.52	-95.23	34.71	-40.00	-16.05	Horizontal



Site : 03CH15-HY

Condition: PART 96 LIMIT -40 3m 9120D-02294_250606 Vertical

: LTE Band 48 20M Ch56640 1RB0 QPSK

: SA n5 20M Ch167300 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-44.27	RMS	36.62	-44.27	0.87	-95.23	57.74	-40.00	-4.27	Vertical
2	11044.00	-57.49	RMS	38.70	-39.46	0.63	-95.23	37.87	-40.00	-17.49	Vertical
3	14725.00	-56.32	RMS	39.78	-35.83	0.52	-95.23	34.44	-40.00	-16.32	Vertical