



# FCC RADIO TEST REPORT

**FCC ID** : B94HNI57CPSR  
**Equipment** : Notebook Computer  
**Brand Name** : HP  
**Model Name** : HSN-I57C  
**Applicant** : HP Inc.  
1501 Page Mill Road, Palo Alto CA, 94304, USA  
**Standard** : FCC 47 CFR Part 2, 96

The product was received on Jul. 22, 2025 and testing was performed from Aug. 01, 2025 to Aug. 11, 2025. 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 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.

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Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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## History of this test report

Report No.	Version	Description	Issue Date
FG572221C	01	Initial issue of report	Sep. 15, 2025

## 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, Effective 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: RW101R-GL)

**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: Sheng Kuo**

**Report Producer: Clio Lo**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, Wi-Fi 6GHz 802.11ax, and GNSS
Integrated WLAN Module	Brand Name: RealTek Model Name: RTL8852CE FCC ID: TX2-RTL8852CE
Integrated WLAN Module	Brand Name: Intel Model Name: AX211NGW FCC ID: PD9AX211NG
Antenna Type	WWAN: PIFA Antenna WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna

Support band and evaluated information	
Supported band	B48
Evaluated and Tested band	B48
Main Antenna	B48

TDD band Power Class		
	PC3	PC2
B48	V	-

WWAN Antenna Information for Notebook Mode				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 48: 0.21
	Part number	6036B0327801 (81EABL15.G79)	Type	PIFA

WWAN Antenna Information for Tablet Mode				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 48: -0.07
	Part number	6036B0327801 (81EABL15.G79)	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

<b>Test Site</b>	Sporton International Inc. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH03-HY
<b>Test Engineer</b>	Eric Wu
<b>Temperature (°C)</b>	22.1~22.9
<b>Relative Humidity (%)</b>	50.1~55.9

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	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
<b>Test Site No.</b>	<b>Sporton Site No.</b> 03CH21-HY (TAF Code: 3786)
<b>Test Engineer</b>	Fred Tseng, Ray Lung and Sky Chang
<b>Temperature (°C)</b>	20.5~22.8
<b>Relative Humidity (%)</b>	45.7~64.8
<b>Remark</b>	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



## 1.4 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 940660 D01 Part 96 CBRS Eqpt v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site 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.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

Modulation Type	Modulation
A	QPSK
B	16QAM

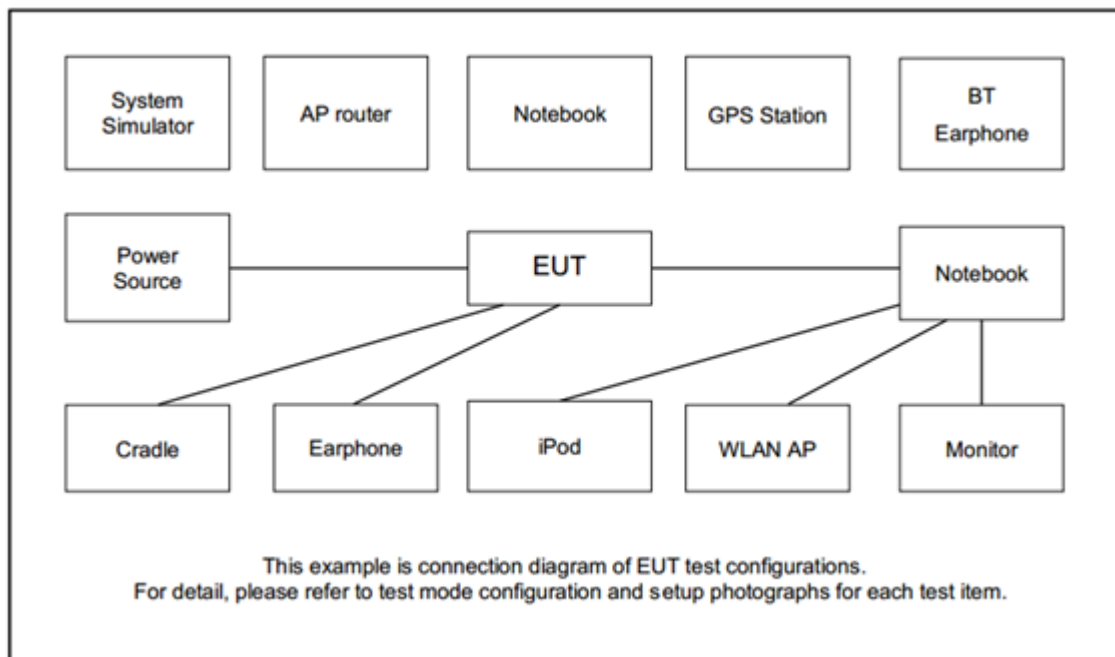
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1RB	L, M, H
EIRP/ ERP	A, B	All	1RB	L, M, H
RSE	A	20 MHz or less	1RB	L, M, H

**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.



## 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.	iPod Earphone	Apple	N/A	Verification	Shielded, 1.2 m	N/A



## 2.4 Frequency List of Low/Middle/High Channels

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55990	56640
	Frequency	3560	3625	3690
15	Channel	55315	55990	56665
	Frequency	3557.5	3625	3692.5
10	Channel	55290	55990	56690
	Frequency	3555	3625	3695
5	Channel	55265	55990	56715
	Frequency	3552.5	3625	3697.5

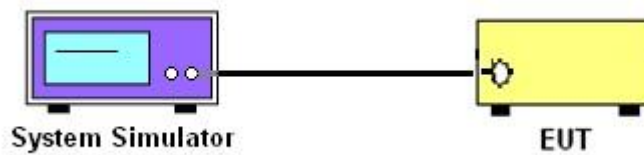
### 3 Conducted Test Items

#### 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.

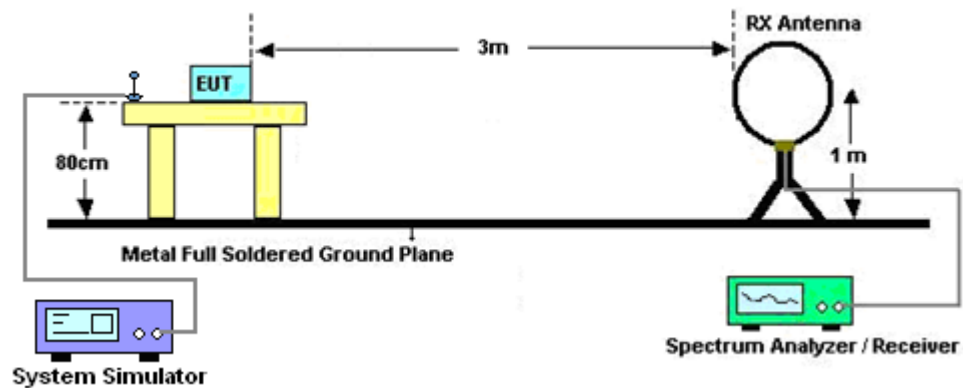
## 4 Radiated Test Items

### 4.1 Measuring Instruments

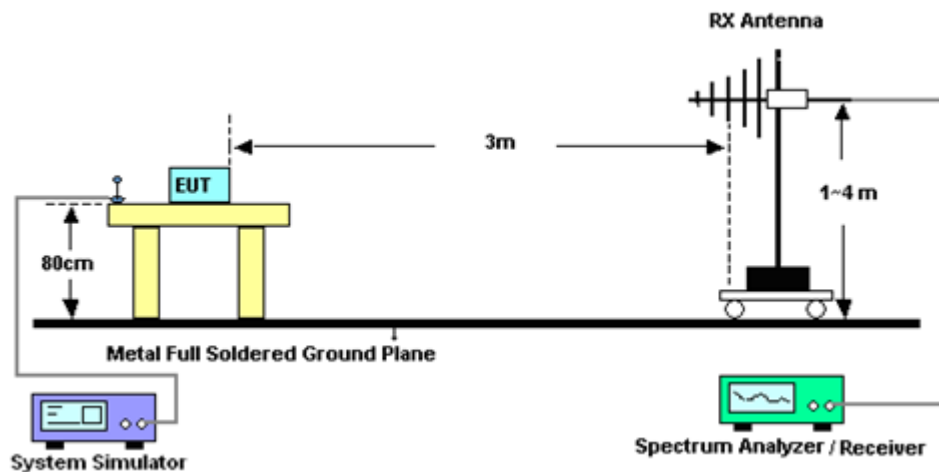
See list of measuring instruments of this test report.

### 4.2 Test Setup

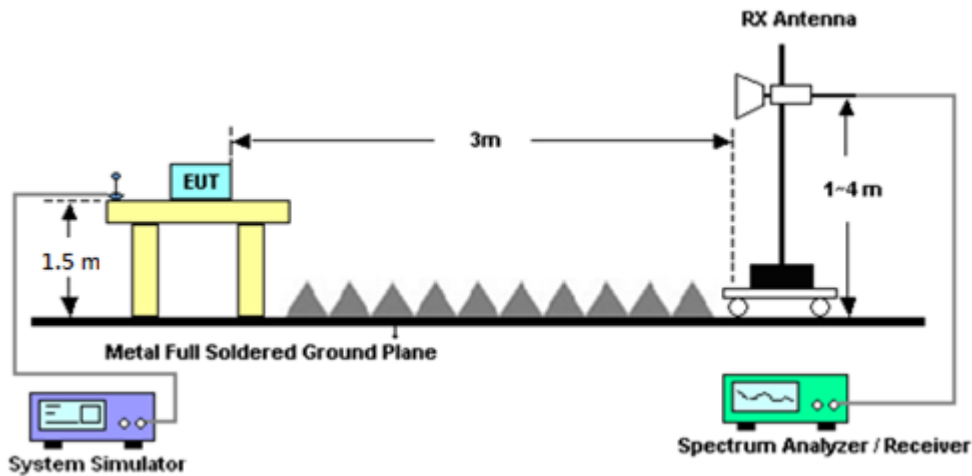
For radiated test below 30MHz



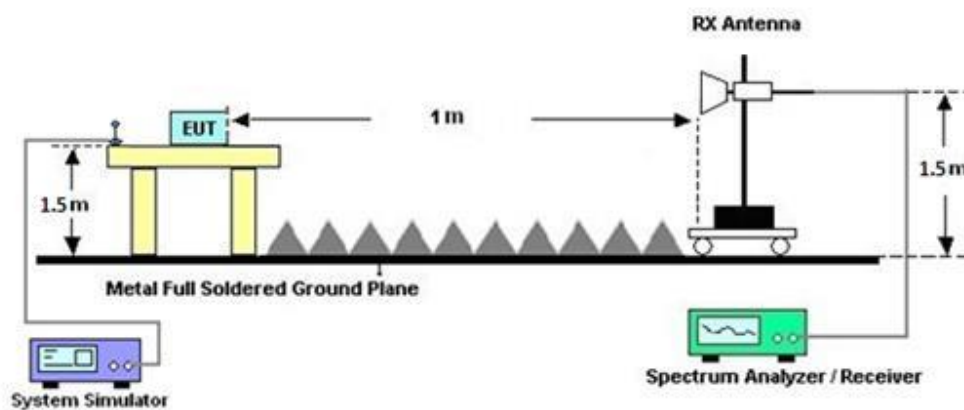
For radiated test from 30MHz to 1GHz



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. To convert spectrum reading E(dBuV/m) to EIRP(dBm)  
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.





## 5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Base Station	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC ULCA/DLCA	Oct. 01, 2024	Aug. 11, 2025	Sep. 30, 2025	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPP-2323	GES906037	0V~64V ; 0A~6A	Nov. 27, 2024	Aug. 11, 2025	Nov. 26, 2025	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#A	1-18GHz	Jan. 03, 2025	Aug. 11, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Splitter	Anritsu	K241C	2143398	DC~40GHz	Jun. 13, 2025	Aug. 11, 2025	Jun. 12, 2026	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Jul. 21, 2025	Aug. 11, 2025	Jul. 20, 2026	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	N/A	N/A	Aug. 11, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECEPEL	DTM-303B	TP200886	N/A	Mar. 03, 2025	Aug. 11, 2025	Mar. 02, 2026	Conducted (TH03-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Aug. 01, 2025~ Aug. 05, 2025	Aug. 28, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Dec. 17, 2024	Aug. 01, 2025~ Aug. 05, 2025	Dec. 16, 2025	Radiation (03CH21-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz~18GHz	Mar. 27, 2025	Aug. 01, 2025~ Aug. 05, 2025	Mar. 26, 2026	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Aug. 01, 2025~ Aug. 05, 2025	Jul. 01, 2026	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	187282	30MHz~1GHz	Dec. 12, 2024	Aug. 01, 2025~ Aug. 05, 2025	Dec. 11, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 27, 2024	Aug. 01, 2025~ Aug. 05, 2025	Sep. 26, 2025	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Aug. 01, 2025~ Aug. 05, 2025	Sep. 01, 2025	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 06, 2024	Aug. 01, 2025~ Aug. 05, 2025	Sep. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Aug. 01, 2025~ Aug. 05, 2025	Mar. 04, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,803954/2	30MHz~40GHz	Aug. 12, 2024	Aug. 01, 2025~ Aug. 05, 2025	Aug. 11, 2025	Radiation (03CH21-HY)
Hygrometer	TECEPEL	DTM-303A	TP211568	N/A	Oct. 21, 2024	Aug. 01, 2025~ Aug. 05, 2025	Oct. 20, 2025	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 01, 2025~ Aug. 05, 2025	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 01, 2025~ Aug. 05, 2025	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 01, 2025~ Aug. 05, 2025	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Aug. 01, 2025~ Aug. 05, 2025	N/A	Radiation (03CH21-HY)



## 6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.60 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.00 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.70 dB
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## Appendix A. Test Results of Conducted Test

### Conducted Output Power (Average power and EIRP)

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.63	20.55	20.80	21.01	0.1262
20	1	49		20.62	20.48	20.79		
20	1	99		20.57	20.34	20.68		
20	50	0		20.61	20.52	20.75		
20	50	24		20.65	20.59	20.74		
20	50	50		20.49	20.55	20.60		
20	100	0		20.55	20.58	20.63		
20	1	0	16-QAM	20.67	20.61	20.56	20.91	0.1233
20	1	49		20.63	20.67	20.70		
20	1	99		20.62	20.66	20.68		
20	50	0		19.63	19.67	19.63		
20	50	24		19.58	19.65	19.81		
20	50	50		19.64	19.61	19.86		
20	100	0		19.60	19.64	19.70		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.56	20.53	20.74	20.95	0.1245
15	1	37		20.60	20.46	20.70		
15	1	74		20.47	20.23	20.54		
15	36	0		20.56	20.40	20.70		
15	36	20		20.60	20.49	20.63		
15	36	39		20.38	20.42	20.47		
15	75	0		20.53	20.49	20.51		
15	1	0	16-QAM	20.60	20.51	20.47	20.83	0.1211
15	1	37		20.55	20.62	20.55		
15	1	74		20.60	20.61	20.55		
15	36	0		19.59	19.65	19.49		
15	36	20		19.45	19.62	19.68		
15	36	39		19.57	19.54	19.84		
15	75	0		19.57	19.60	19.69		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.57	20.49	20.68	20.96	0.1247
10	1	25		20.57	20.33	20.75		
10	1	49		20.48	20.23	20.53		
10	25	0		20.56	20.38	20.64		
10	25	12		20.60	20.56	20.66		
10	25	25		20.34	20.42	20.57		
10	50	0		20.41	20.45	20.49		
10	1	0	16-QAM	20.54	20.57	20.55	20.84	0.1213
10	1	25		20.61	20.53	20.58		
10	1	49		20.54	20.61	20.63		
10	25	0		19.56	19.63	19.57		
10	25	12		19.54	19.50	19.80		
10	25	25		19.54	19.54	19.72		
10	50	0		19.57	19.53	19.63		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 0.21 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.51	20.47	20.70	20.91	0.1233
5	1	12		20.50	20.36	20.66		
5	1	24		20.47	20.26	20.57		
5	12	0		20.54	20.49	20.69		
5	12	7		20.50	20.55	20.70		
5	12	13		20.37	20.48	20.52		
5	25	0		20.43	20.45	20.52		
5	1	0	16-QAM	20.60	20.56	20.50	20.87	0.1222
5	1	12		20.57	20.60	20.66		
5	1	24		20.55	20.62	20.65		
5	12	0		19.58	19.61	19.55		
5	12	7		19.46	19.59	19.73		
5	12	13		19.60	19.49	19.80		
5	25	0		19.51	19.57	19.67		
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
15	Part 96	LTE B48	L	14204	-50.02	RMS	40.89	-21.96	0.76	-95.23	25.52	-40.00	-10.02	H	Main

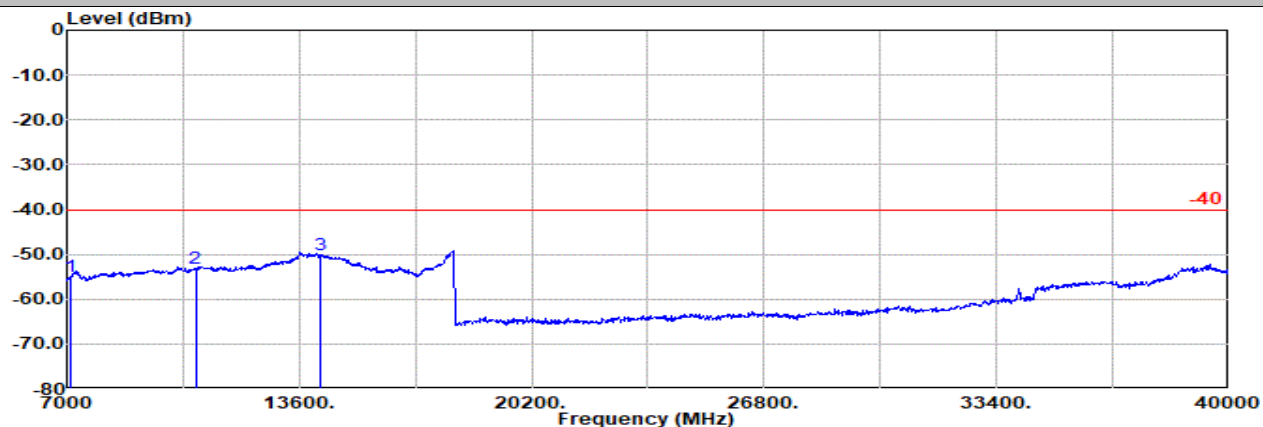


## Main Antenna

## Part 96 Mode 15

## LTE B48 20M Ch55340 1RB0 QPSK

## L

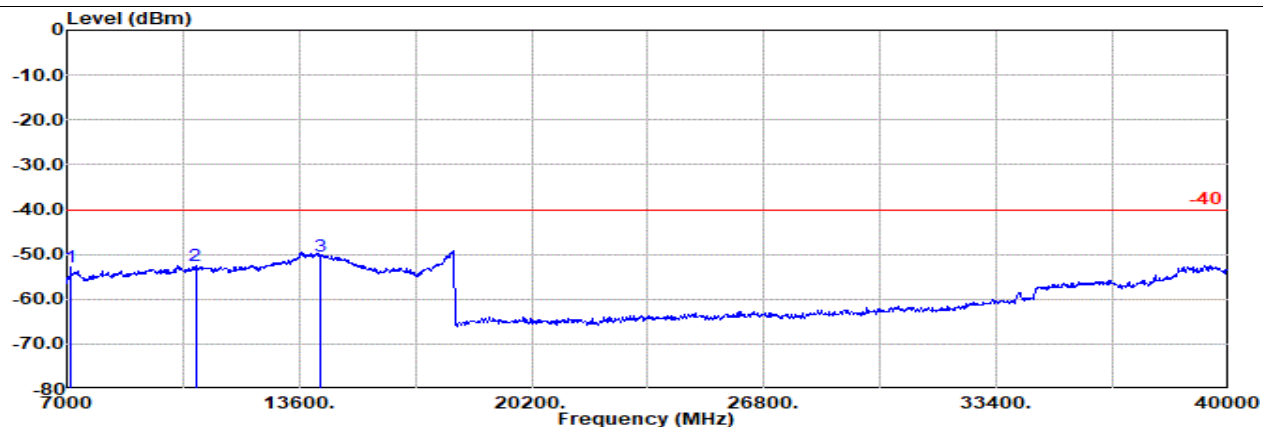


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_250702 Horizontal

: LTE B48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	7102.00	-54.87	RMS	36.41	-20.88	1.38	-95.23	23.45	-40.00	-14.87	Horizontal
2	10653.00	-53.12	RMS	39.09	-21.43	0.79	-95.23	23.66	-40.00	-13.12	Horizontal
3	14204.00	-50.02	RMS	40.89	-21.96	0.76	-95.23	25.52	-40.00	-10.02	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_250702 Vertical

: LTE B48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	7102.00	-52.91	RMS	36.41	-20.88	1.38	-95.23	25.41	-40.00	-12.91	Vertical
2	10653.00	-52.60	RMS	39.09	-21.43	0.79	-95.23	24.18	-40.00	-12.60	Vertical
3	14204.00	-50.29	RMS	40.89	-21.96	0.76	-95.23	25.25	-40.00	-10.29	Vertical

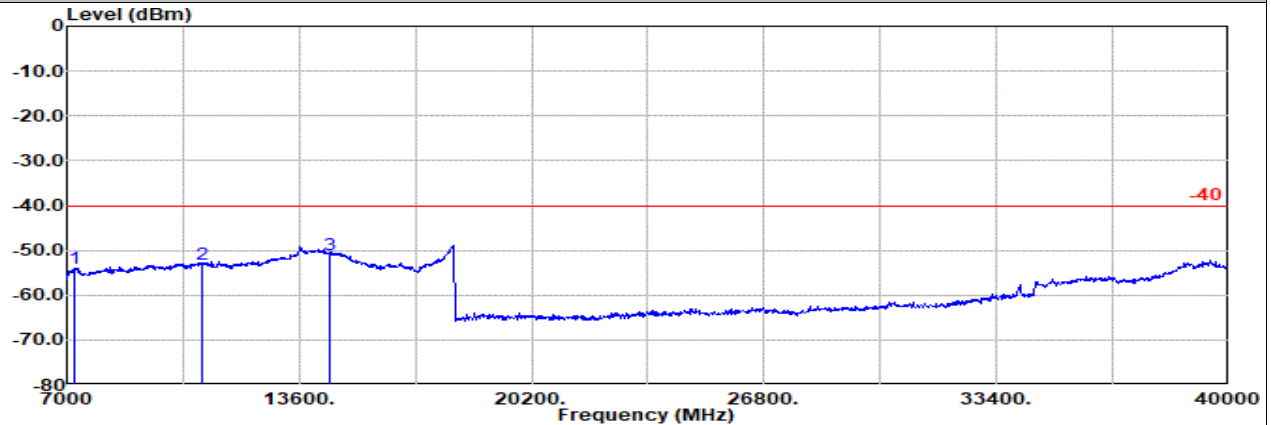


## Main Antenna

## Part 96 Mode 15

## LTE B48 20M Ch55990 1RB0 QPSK

## M

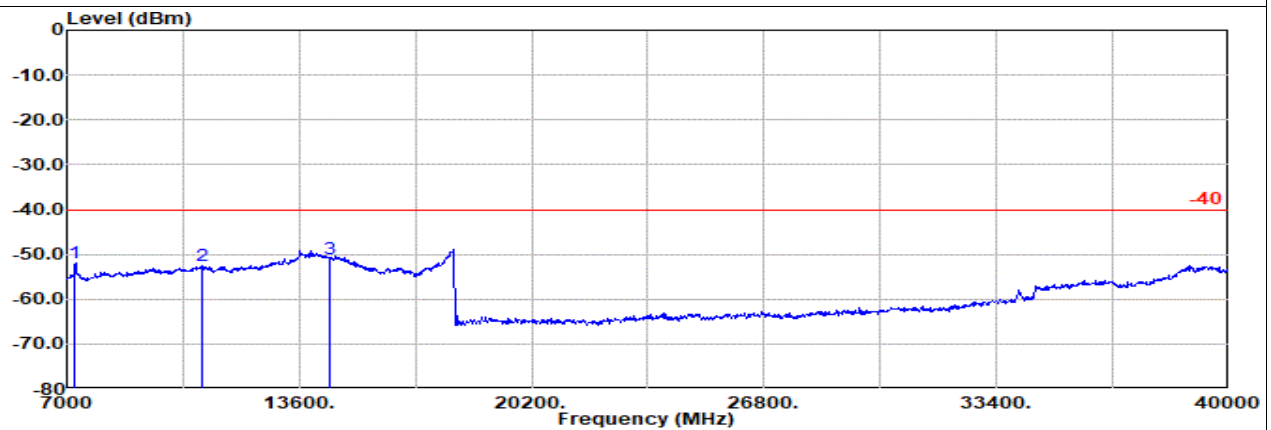


Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_250702 Horizontal

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	7232.00	-53.89	RMS	37.03	-20.81	1.29	-95.23	23.83	-40.00	-13.89
2	10848.00	-53.06	RMS	39.00	-21.41	0.78	-95.23	23.80	-40.00	-13.06
3	14464.00	-51.07	RMS	40.53	-22.55	0.72	-95.23	25.46	-40.00	-11.07



Site : 03CH21-HY

Condition: -40 1m BBHA9170\_1223\_250702 Vertical

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	7232.00	-51.99	RMS	37.03	-20.81	1.29	-95.23	25.73	-40.00	-11.99
2	10848.00	-52.61	RMS	39.00	-21.41	0.78	-95.23	24.25	-40.00	-12.61
3	14464.00	-50.89	RMS	40.53	-22.55	0.72	-95.23	25.64	-40.00	-10.89

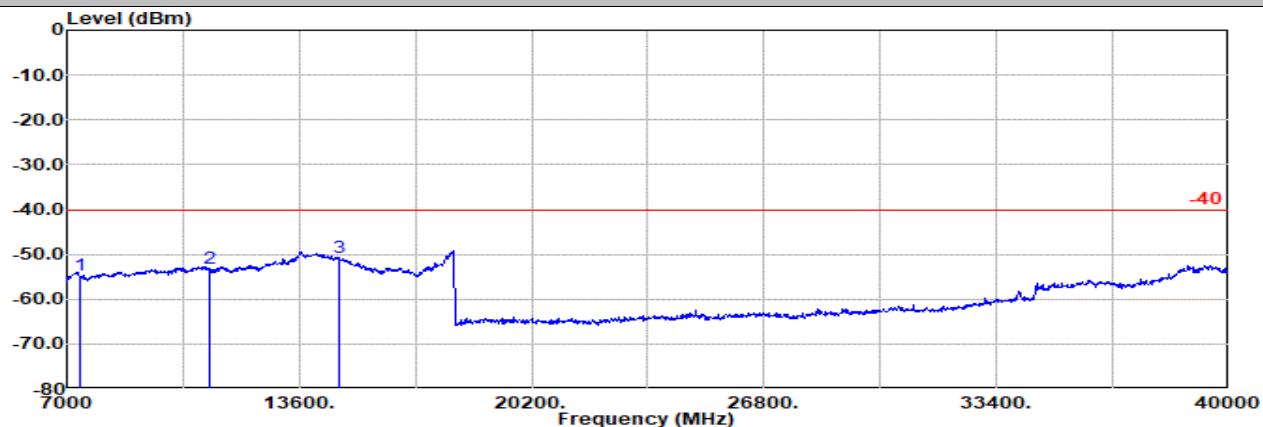


## Main Antenna

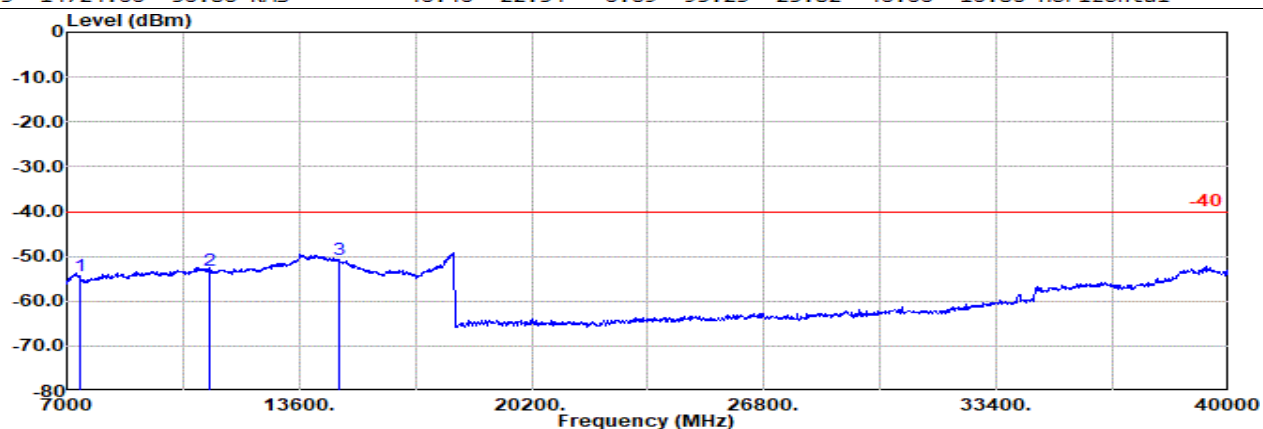
## Part 96 Mode 15

## LTE B48 20M Ch56640 1RB0 QPSK

## H



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7362.00	-54.71	RMS	36.73	-20.74	1.23	-95.23	23.30	-40.00	-14.71 Horizontal
2	11043.00	-53.18	RMS	38.80	-21.41	0.77	-95.23	23.89	-40.00	-13.18 Horizontal
3	14724.00	-50.86	RMS	40.40	-22.54	0.69	-95.23	25.82	-40.00	-10.86 Horizontal



	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	7362.00	-54.35	RMS	36.73	-20.74	1.23	-95.23	23.66	-40.00	-14.35 Vertical
2	11043.00	-53.27	RMS	38.80	-21.41	0.77	-95.23	23.80	-40.00	-13.27 Vertical
3	14724.00	-50.74	RMS	40.40	-22.54	0.69	-95.23	25.94	-40.00	-10.74 Vertical



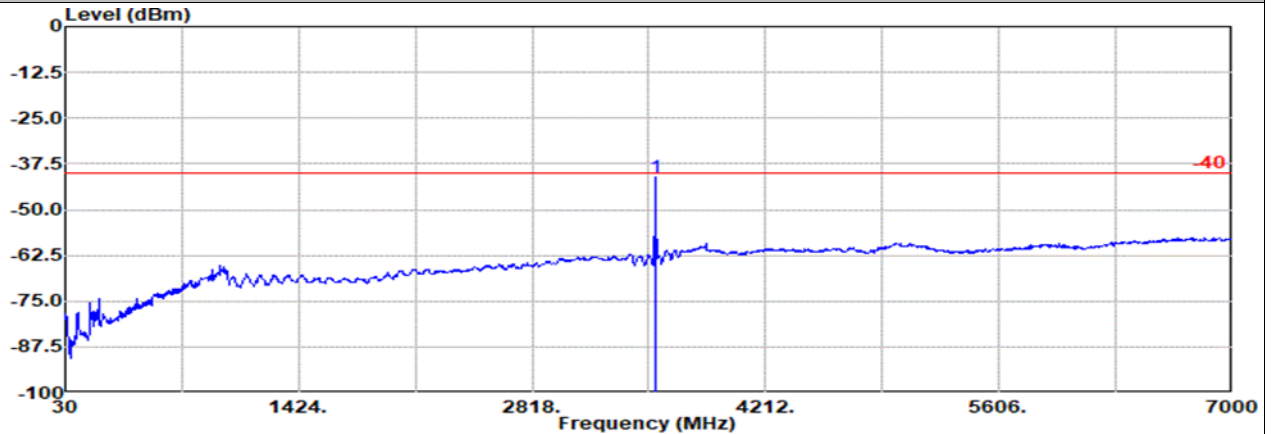


## Main Antenna

Part 96 Mode 15

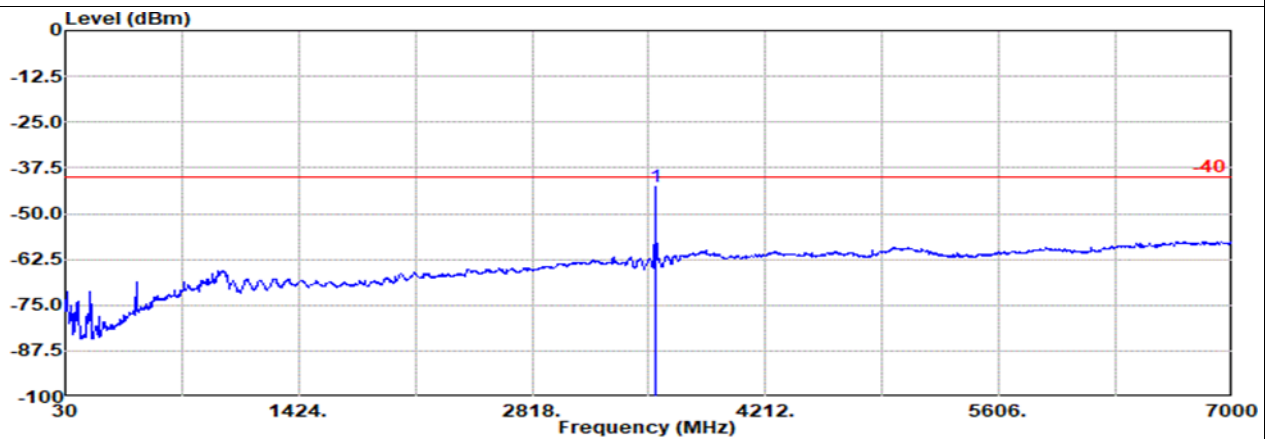
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH21-HY  
Condition: -40 3m LF\_63303&001\_241217 Horizontal  
: LTE B48 20M Ch55340 1RB0 QPSK

	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	3556.00	-41.07	RMS	29.52	-22.45	0.00	-95.23	47.09	-40.00	-1.07 Horizontal



Site : 03CH21-HY  
Condition: -40 3m LF\_63303&001\_241217 Vertical  
: LTE B48 20M Ch55340 1RB0 QPSK

	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	3556.00	-42.82	RMS	29.52	-22.45	0.00	-95.23	45.34	-40.00	-2.82 Vertical

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