



FCC RADIO TEST REPORT

FCC ID : B94HNI57CPS
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 Sep. 04, 2023 and testing was performed from Sep. 29, 2023 to Oct. 06, 2023. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this 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

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



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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046 RSS-192 8.6	Conducted Output Power	Reporting only	-
-	§96.41	Peak-to-Average Ratio	-	See Note
3.3	§96.41	Effective Isotropic Radiated Power	Pass	-
		Power Density	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	5.29 dB under the limit at 7102.00 MHz

Note:

- 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: FM101-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/manufacturer 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: Ming Chen



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/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and Wi-Fi 6GHz 802.11ax
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

WWAN Antenna Information				
Antenna 5 (Notebook Mode)	Part number	6036B0327801 (81EABL15.G79)	Peak gain (dBi)	LTE Band 48: 0.21
			Type	PIFA
Antenna 5 (Tablet Mode)	Part number	6036B0327801 (81EABL15.G79)	Peak gain (dBi)	LTE Band 48: -0.07
			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 Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
	TH03-HY
Test Engineer	Cotty Hsu
Temperature (°C)	22.2~23.1
Relative Humidity (%)	51~56

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.
	03CH21-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Ray Lung and Sky Chang
Temperature (°C)	18~26
Relative Humidity (%)	50~70
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



1.4 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
- ♦ 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

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.

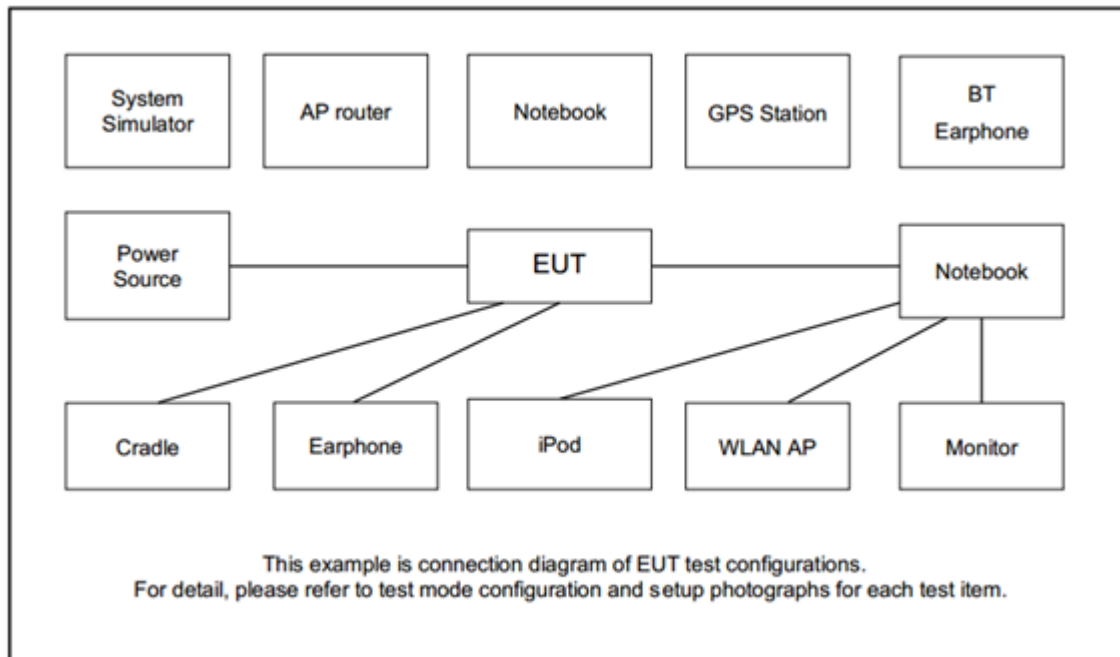
Modulation Type	Modulation
A	QPSK
B	16QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1, Half, Full	L, M, H
EIRP	A, B	All	1, Half, Full	L, M, H
RSE	A	20 MHz	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 adapter mode is the worst case for the official test.

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	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$



2.5 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	3560.0	3625.0	3690.0
15	Channel	55315	55990	56665
	Frequency	3557.5	3625.0	3692.5
10	Channel	55290	55990	56690
	Frequency	3555.0	3625.0	3695.0
5	Channel	55265	55990	56715
	Frequency	3552.5	3625.0	3697.5

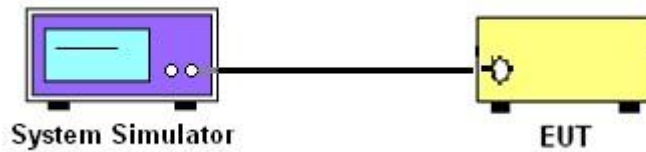
3 Conducted Test Items

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

3.2.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 EIRP and Power Density

3.3.1 Description of the EIRP and Power Density Measurement

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

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, 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

EIRP and PSD limits for CBRS equipment as below tabel:

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.4.5

1. Determine the EIRP by adding the effective antenna gain to the adjusted power level..

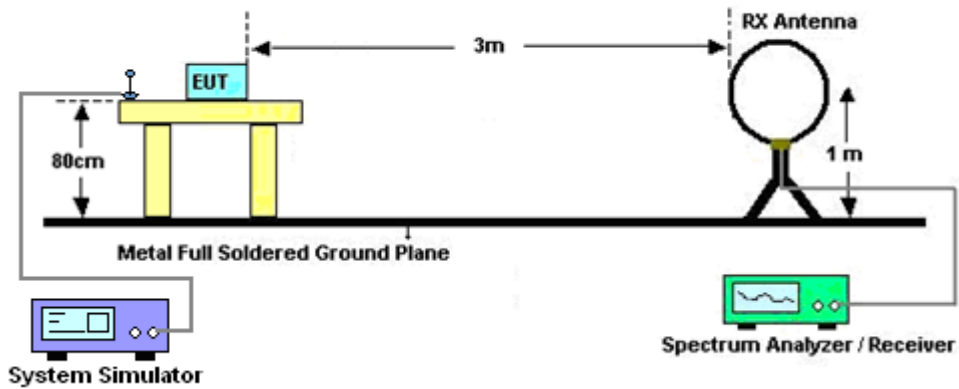
4 Radiated Test Items

4.1 Measuring Instruments

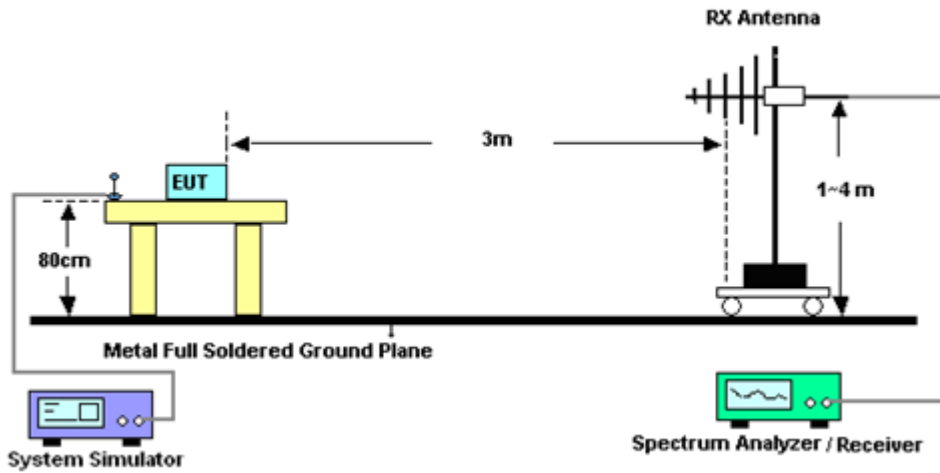
See list of measuring instruments of this test report.

4.2 Test Setup

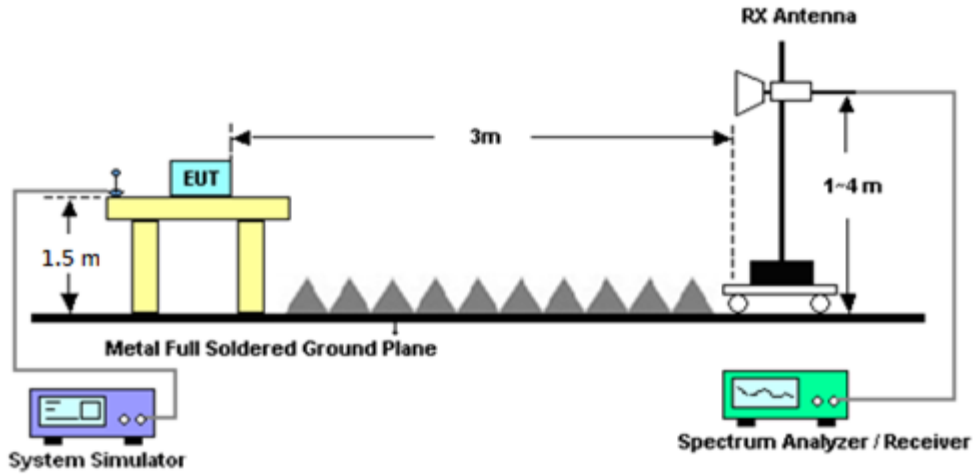
For radiated emissions below 30MHz



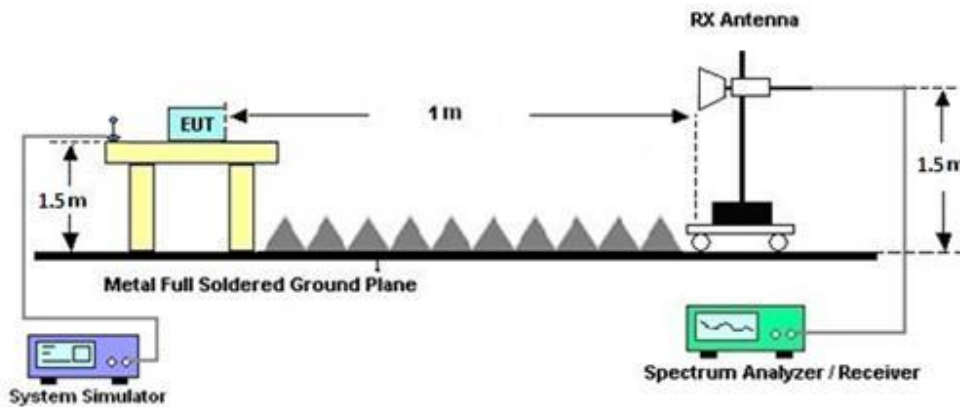
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test 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. 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)
 $EIRP(dBm) = Level (dBuV/m) + 20\log(d) - 104.77$, 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 - 2.15
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is -40dBm/MHz



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 13, 2022	Sep. 29, 2023~ Oct. 06, 2023	Oct. 12, 2023	Conducted (TH03-HY)
Coupler	Warison	20dB 25W SMA Directional Coupler	#B	1-18GHz	Jan. 06, 2023	Sep. 29, 2023~ Oct. 06, 2023	Jan. 05, 2024	Conducted (TH03-HY)
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Oct. 05, 2023~ Oct. 06, 2023	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 22, 2022	Oct. 05, 2023~ Oct. 06, 2023	Oct. 21, 2023	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A1 8EN	1GHz~18GHz	Jul. 12, 2023	Oct. 05, 2023~ Oct. 06, 2023	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Oct. 05, 2023~ Oct. 06, 2023	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Oct. 05, 2023~ Oct. 06, 2023	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Oct. 05, 2023~ Oct. 06, 2023	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Oct. 05, 2023~ Oct. 06, 2023	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Oct. 05, 2023~ Oct. 06, 2023	Aug. 27, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Oct. 05, 2023~ Oct. 06, 2023	Mar. 06, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 25, 2022	Oct. 05, 2023~ Oct. 06, 2023	Oct. 24, 2023	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Nov. 17, 2022	Oct. 05, 2023~ Oct. 06, 2023	Nov. 16, 2023	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 05, 2023~ Oct. 06, 2023	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Oct. 05, 2023~ Oct. 06, 2023	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Oct. 05, 2023~ Oct. 06, 2023	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Oct. 05, 2023~ Oct. 06, 2023	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))	3.06 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 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))	3.30 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

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	19.41	19.40	19.55	19.76	0.0946
20	1	49		19.26	19.28	19.36		
20	1	99		19.34	19.26	19.29		
20	50	0		19.31	19.35	19.41		
20	50	24		19.31	19.31	19.40		
20	50	50		19.23	19.30	19.31		
20	100	0		19.27	19.29	19.38		
20	1	0	16-QAM	19.35	19.31	19.42	19.63	0.0918
20	1	49		19.31	19.25	19.33		
20	1	99		19.19	19.14	19.26		
20	50	0		19.30	19.32	19.39		
20	50	24		19.29	19.28	19.35		
20	50	50		19.27	19.19	19.25		
20	100	0		19.22	19.27	19.31		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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



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	19.36	19.34	19.48	19.69	0.0931
15	1	37		19.22	19.27	19.36		
15	1	74		19.31	19.23	19.21		
15	36	0		19.24	19.27	19.37		
15	36	20		19.22	19.21	19.32		
15	36	39		19.14	19.28	19.31		
15	75	0		19.26	19.22	19.34		
15	1	0	16-QAM	19.35	19.31	19.40	19.61	0.0914
15	1	37		19.31	19.22	19.32		
15	1	74		19.14	19.11	19.18		
15	36	0		19.27	19.22	19.32		
15	36	20		19.24	19.18	19.35		
15	36	39		19.24	19.15	19.23		
15	75	0		19.20	19.24	19.29		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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



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	19.41	19.35	19.55	19.76	0.0946
10	1	25		19.19	19.26	19.26		
10	1	49		19.27	19.20	19.21		
10	25	0		19.25	19.34	19.33		
10	25	12		19.27	19.30	19.39		
10	25	25		19.22	19.20	19.27		
10	50	0		19.21	19.29	19.37		
10	1	0	16-QAM	19.25	19.26	19.41	19.62	0.0916
10	1	25		19.28	19.23	19.25		
10	1	49		19.15	19.14	19.22		
10	25	0		19.29	19.29	19.35		
10	25	12		19.24	19.26	19.33		
10	25	25		19.26	19.12	19.18		
10	50	0		19.21	19.23	19.30		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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



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	19.35	19.36	19.46	19.67	0.0927
5	1	12		19.17	19.25	19.26		
5	1	24		19.29	19.18	19.21		
5	12	0		19.29	19.30	19.31		
5	12	7		19.23	19.28	19.37		
5	12	13		19.20	19.20	19.31		
5	25	0		19.19	19.26	19.33		
5	1	0	16-QAM	19.26	19.23	19.39	19.60	0.0912
5	1	12		19.31	19.24	19.27		
5	1	24		19.15	19.07	19.17		
5	12	0		19.30	19.28	19.33		
5	12	7		19.28	19.20	19.33		
5	12	13		19.26	19.12	19.18		
5	25	0		19.22	19.27	19.30		
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

Part	Mode	Ch	Freq (MHz)	Level (dBm)	Detector	Ant Factor (dB/m)	Amp\Cbl (dB)	Filter (dB)	EIRP CF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	PoI	Ant
Part 96	1	L	7102.000	-45.29	RMS	36.40	-20.38	1.16	-95.23	32.76	-40.00	-5.29	V	Tx0Rx0

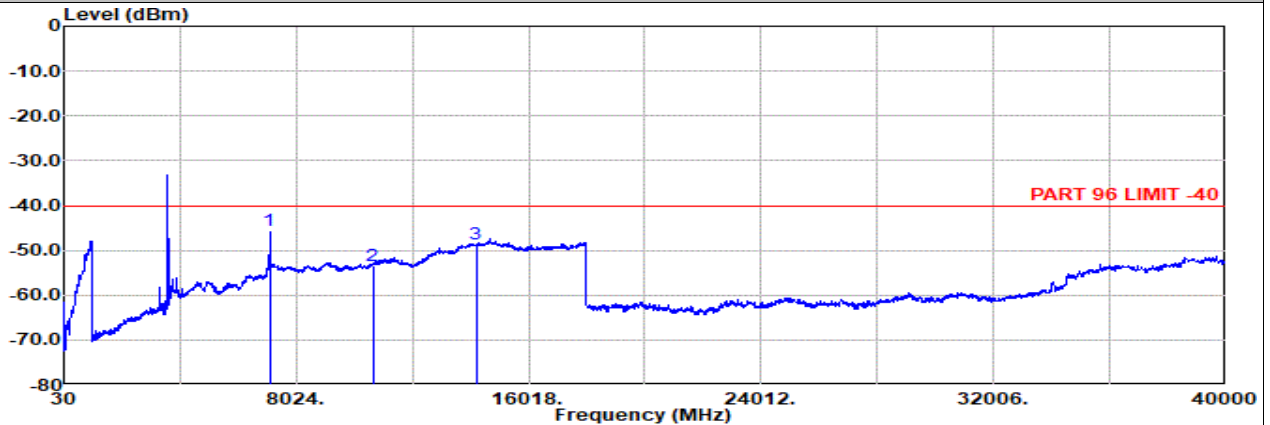


Tx0Rx0

Part 96 Mode 1

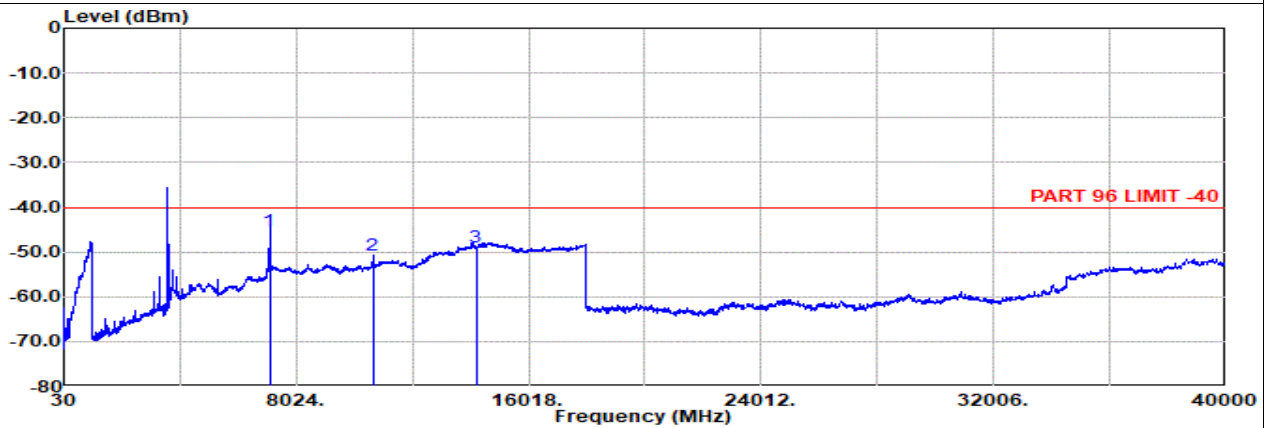
LTE B48 20M LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : LTE Band 48 20M Ch55340 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
			Factor	1						g
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 7102.00	-45.53	RMS	36.40	-20.38	1.16	-95.23	32.52	-40.00	-5.53	Horizontal
2 10653.00	-53.33	RMS	37.50	-20.36	0.60	-95.23	24.16	-40.00	-13.33	Horizontal
3 14204.00	-48.63	RMS	41.00	-21.07	0.59	-95.23	26.08	-40.00	-8.63	Horizontal



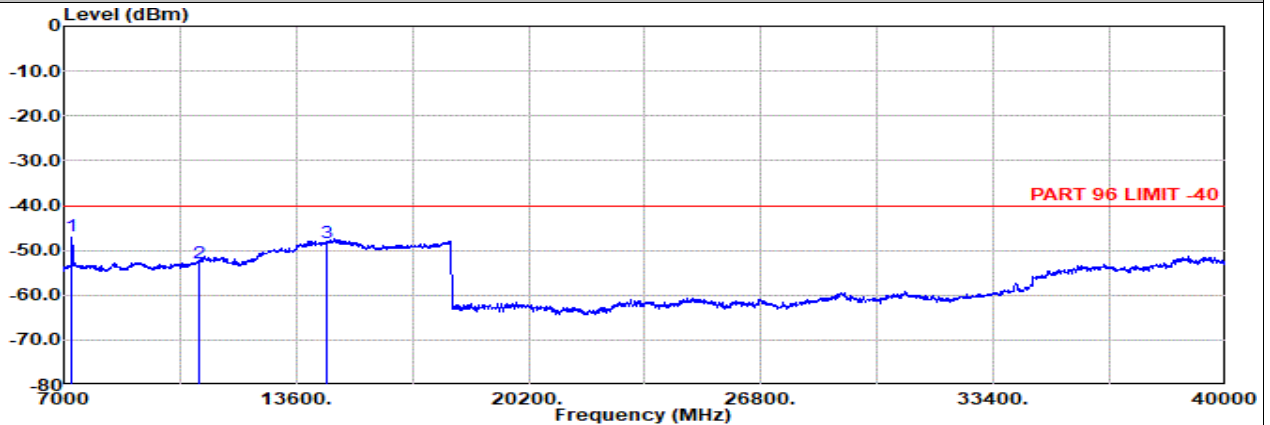
Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : LTE Band 48 20M Ch55340 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
			Factor	1						g
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1 7102.00	-45.29	RMS	36.40	-20.38	1.16	-95.23	32.76	-40.00	-5.29	Vertical
2 10653.00	-50.64	RMS	37.50	-20.36	0.60	-95.23	26.85	-40.00	-10.64	Vertical
3 14204.00	-49.00	RMS	41.00	-21.07	0.59	-95.23	25.71	-40.00	-9.00	Vertical



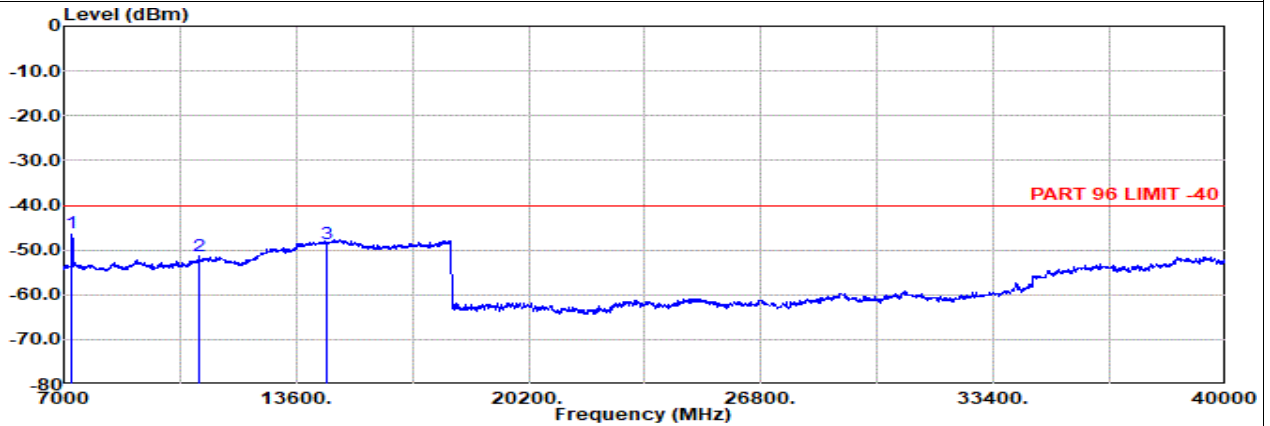
Tx0Rx0

Part 96 Mode 1
LTE B48 20M LTE B48 20M Ch55990 1RB0 QPSK
M



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : LTE Band 48 20M Ch55990 1RB0 QPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
						Factor	1					



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : LTE Band 48 20M Ch55990 1RB0 QPSK

1	2	3	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin dB	Pol
						Factor	1					

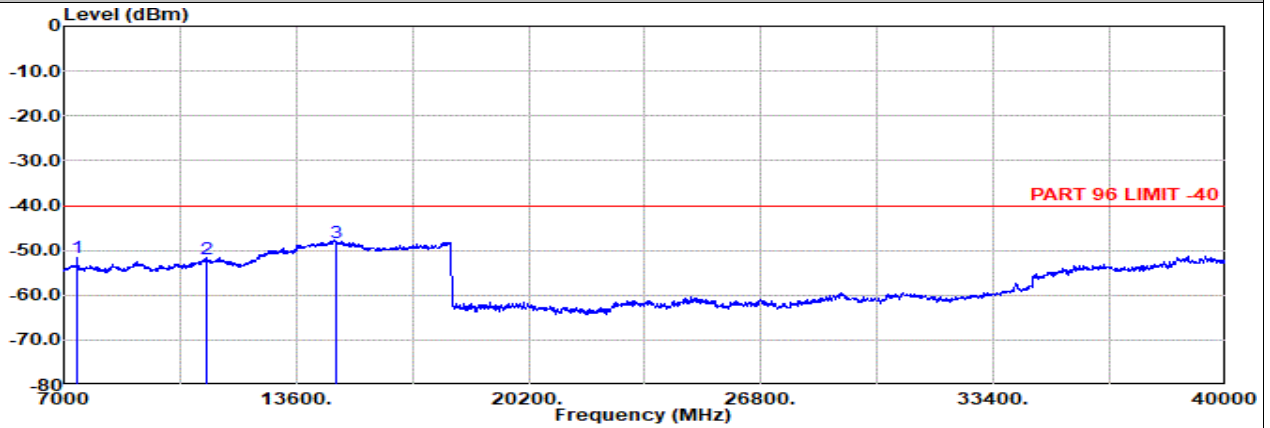


Tx0Rx0

Part 96 Mode 1

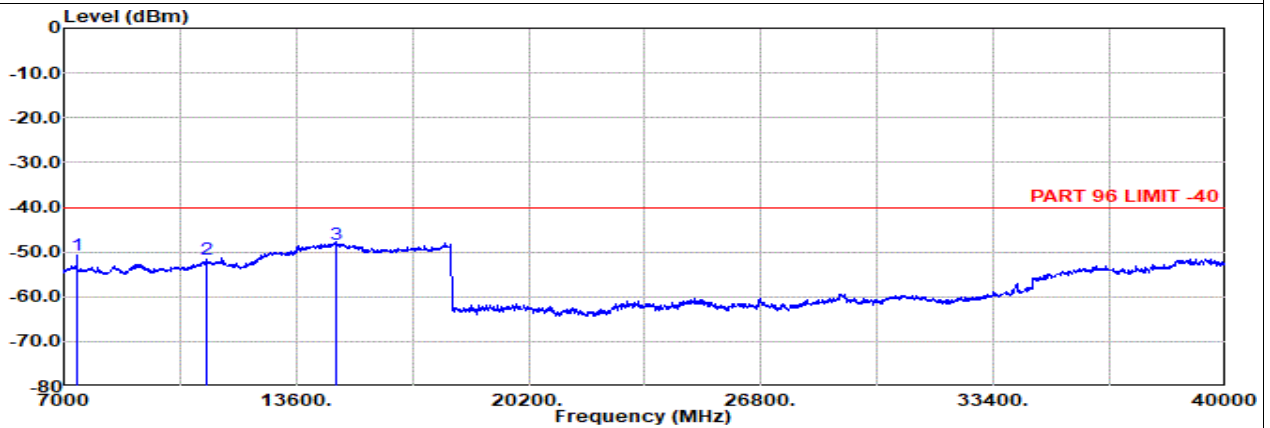
LTE B48 20M LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : LTE Band 48 20M Ch56640 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol	
			Factor	1				g	dB
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 7362.00	-51.63	RMS	36.98	-20.22	0.84	-95.23	26.00	-40.00	-11.63 Horizontal
2 11043.00	-51.85	RMS	37.97	-20.21	0.69	-95.23	24.93	-40.00	-11.85 Horizontal
3 14724.00	-48.35	RMS	41.65	-21.53	0.49	-95.23	26.27	-40.00	-8.35 Horizontal



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : LTE Band 48 20M Ch56640 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin Pol	
			Factor	1				g	dB
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 7362.00	-50.76	RMS	36.98	-20.22	0.84	-95.23	26.87	-40.00	-10.76 Vertical
2 11043.00	-51.63	RMS	37.97	-20.21	0.69	-95.23	25.15	-40.00	-11.63 Vertical
3 14724.00	-48.24	RMS	41.65	-21.53	0.49	-95.23	26.38	-40.00	-8.24 Vertical