



FCC RADIO TEST REPORT

FCC ID : B94HNI42CTKR
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I42C
Applicant : HP Inc.
1501 Page Mill Road, Palo Alto CA 94304 USA
Standard : FCC 47 CFR Part 2, and 90(S)

The product was received on Sep. 07, 2020 and testing was started from Oct. 02, 2020 and completed on Oct. 14, 2020. 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 of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FG090426-01F	01	Initial issue of report	Oct. 30, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1046 §90.635	Conducted Output Power and Effective Radiated Power	-	See Note
-	-	Peak-to-Average Ratio	-	See Note
-	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	-	See Note
-	§2.1051 §90.691	Emission masks – In-band emissions	-	See Note
-	§2.1051 §90.691	Emission masks – Out of band emissions	-	See Note
-	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	-	See Note
3	§2.1053 §90.691	Field Strength of Spurious Radiation	Pass	Under limit 38.50 dB at 2448.000 MHz

Note: The module (Model: T99W175) makes no difference after verifying output power, this report reuses test data from the module report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Amy Chen

1 General Description

1.1 Feature of Equipment Under Test

WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC and GNSS.

Product Specification subjective to this standard	
Sample 1	EUT with Hong-bo Antenna
Sample 2	EUT with WNC Antenna
Antenna Type	WWAN <Ant. 1>: PIFA Antenna <Ant. 2>: PIFA Antenna <Ant. 3>: PIFA Antenna <Ant. 4>: PIFA Antenna WLAN <Ant. 1>: PIFA Antenna <Ant. 2>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna



Vendor	HONG-BO																
Mode	NB Mode																
Antenna	PIFA																
Part Number	6036B0293201 (00-2602746850) (Main)(TX5)																
Frequency	B2 1850-1910MHz	B4 1710-1755MHz	B5 824-849MHz	B7 2500-2570MHz	B12 699-716MHz	B13 777-787MHz	B14 788-798MHz	B17 704-716MHz	B25 1850-1915MHz	B26 814-849MHz	B30 2305-2315MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 1710-1780MHz	
Gain (dBi)	-0.51	0.78	-5.24	-0.17	-3.46	-3.81	-4.72	-3.46	-0.51	-5.24	0.70	-0.62	-0.17	-3.01	-3.01	0.78	
Vendor	HONG-BO																
Mode	NB Mode																
Antenna	PIFA																
Part Number	6036B0284301 (00-2602745650) (Aux)(Rx6)																
Frequency	B2 1930-1990MHz	B4 2110-2155MHz	B5 869-894MHz	B7 2620-2690MHz	B12 729-746MHz	B13 746-756MHz	B14 758-768MHz	B17 734-746MHz	B25 1930-1995MHz	B26 859-894MHz	B30 2350-2360MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 2110-2200MHz	
Gain (dBi)	-4.23	-3.13	-5.19	-4.19	-5.55	-5.62	-5.96	-5.55	-4.23	-5.19	-2.61	-1.05	-1.05	-3.45	-3.45	-3.13	
Vendor	HONG-BO																
Mode	TB Mode																
Antenna	PIFA																
Part Number	6036B0293201 (00-26027746850) (Main)(TX5)																
Frequency	B2 1850-1910MHz	B4 1710-1755MHz	B5 824-849MHz	B7 2500-2570MHz	B12 699-716MHz	B13 777-787MHz	B14 788-798MHz	B17 704-716MHz	B25 1850-1915MHz	B26 814-849MHz	B30 2305-2315MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 1710-1780MHz	
Gain (dBi)	-3.40	-2.54	-5.63	-3.75	-7.87	-6.16	N/A	-7.87	-3.40	-5.63	-3.21	-5.04	-3.75	-6.66	-9.88	-2.54	
Vendor	HONG-BO																
Mode	TB Mode																
Antenna	PIFA																
Part Number	6036B0284301 (00-2602745650) (Aux)(Rx6)																
Frequency	B2 1930-1990MHz	B4 2110-2155MHz	B5 869-894MHz	B7 2620-2690MHz	B12 729-746MHz	B13 746-756MHz	B14 758-768MHz	B17 734-746MHz	B25 1930-1995MHz	B26 859-894MHz	B30 2350-2360MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 2110-2200MHz	
Gain (dBi)	-7.10	-4.09	-9.33	-5.95	-11.98	-12.26	-12.26	-11.98	-7.10	-9.33	-5.57	-3.06	-3.06	-4.99	-4.76	-4.09	
Vendor	WNC																
Mode	NB Mode																
Antenna	PIFA																
Part Number	6036B0282901 (81EABD15.G55) (Main)(TX5)																
Frequency	B2 1850-1910MHz	B4 1710-1755MHz	B5 824-849MHz	B7 2500-2570MHz	B12 699-716MHz	B13 777-787MHz	B14 788-798MHz	B17 704-716MHz	B25 1850-1915MHz	B26 814-849MHz	B30 2305-2315MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 1710-1780MHz	
Gain (dBi)	2.55	1.73	-0.87	0.80	-3.30	-1.82	-1.92	-3.30	2.55	-0.87	-2.13	0.17	0.80	0.53	-1.29	1.73	
Vendor	WNC																
Mode	NB Mode																
Antenna	PIFA																
Part Number	6036B0283001 (81EABD15.G14) (Aux)(Tx6)																
Frequency	B2 1930-1990MHz	B4 2110-2155MHz	B5 869-894MHz	B7 2620-2690MHz	B12 729-746MHz	B13 746-756MHz	B14 758-768MHz	B17 734-746MHz	B25 1930-1995MHz	B26 859-894MHz	B30 2350-2360MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 2110-2200MHz	
Vendor	WNC																
Mode	TB Mode																
Antenna	PIFA																
Part Number	6036B0282901 (81EABD15.G55) (Main)(TX5)																
Frequency	B2 1850-1910MHz	B4 1710-1755MHz	B5 824-849MHz	B7 2500-2570MHz	B12 699-716MHz	B13 777-787MHz	B14 788-798MHz	B17 704-716MHz	B25 1850-1915MHz	B26 814-849MHz	B30 2305-2315MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 1710-1780MHz	
certificate	FCC	FCC	FCC	FCC.CE	FCC	FCC	FCC	FCC	FCC	FCC	FCC	FCC.CE	FCC	FCC.CE	FCC	FCC	
Gain (dBi)	0.64	0.45	-2.35	-2.65	-4.87	-5.13	-5.14	-4.87	0.64	-2.35	-2.16	-2.42	-2.42	-2.97	-3.35	0.45	
Vendor	WNC																
Mode	TB Mode																
Antenna	PIFA																
Part Number	6036B0283001 (81EABD15.G14) (Aux)(Rx6)																
Frequency	B2 1930-1990MHz	B4 2110-2155MHz	B5 869-894MHz	B7 2620-2690MHz	B12 729-746MHz	B13 746-756MHz	B14 758-768MHz	B17 734-746MHz	B25 1930-1995MHz	B26 859-894MHz	B30 2350-2360MHz	B38 2570-2620MHz	B41 2496-2690MHz	B42 3400-3600MHz	B48 3550-3700MHz	B66 2110-2200MHz	
Gain (dBi)	-1.88	-0.23	-5.94	-4.37	-10.12	-10.38	-10.54	-10.12	-1.88	-5.94	-2.12	-4.23	-4.23	-1.77	-2.37	-0.23	



Vendor	HONG-BO					
Mode	NB Mode					
Antenna	PIFA					
Part Number	6036B0293201 (00-2602746850) (Main)(Tx5)					
Frequency	n2 1850-1910MHz	n5 824-849MHz	n7 2500-2570MHz	n12 699-716MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-0.51	-5.24	-0.17	-3.46	-0.17	0.78
Vendor	HONG-BO					
Mode	NB Mode					
Antenna	PIFA					
Part Number	6036B0252601 (260-27362) (Aux)(Rx8)(Tx8)					
Frequency	n2 1930-1990MHz	n5 869-894MHz	n7 2620-2690MHz	n12 729-746MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-6.17	-5.19	-3.42	-3.46	-3.42	-5.45
Vendor	HONG-BO					
Mode	TB Mode					
Antenna	PIFA					
Part Number	6036B0293201 (00-2602746850) (Main)(Tx5)					
Frequency	n2 1850-1910MHz	n5 824-849MHz	n7 2500-2570MHz	n12 699-716MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-3.40	-5.63	-3.75	-7.87	-3.75	-2.54
Vendor	HONG-BO					
Mode	TB Mode					
Antenna	PIFA					
Part Number	6036B0252601 (260-27362) (Aux)(Rx8)(Tx8)					
Frequency	n2 1930-1990MHz	n5 869-894MHz	n7 2620-2690MHz	n12 729-746MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-7.19	-5.14	-4.43	-5.14	-4.43	-4.56
Vendor	WNC					
Mode	NB Mode					
Antenna	PIFA					
Part Number	6036B0282901 (81EABD15.G55) (Main)(Tx5)					
Frequency	n2 1850-1910MHz	n5 824-849MHz	n7 2500-2570MHz	n12 699-716MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	2.55	-0.87	0.80	-3.30	0.80	1.73
Vendor	WNC					
Mode	NB Mode					
Antenna	PIFA					
Part Number	6036B0250101 (81EABB15.G57) (Aux)(Rx8)(Tx8)					
Frequency	n2 1930-1990MHz	n5 869-894MHz	n7 2620-2690MHz	n12 729-746MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-4.39	-2.35	-4.73	-2.44	-4.73	-4.10
Vendor	WNC					
Mode	TB Mode					
Antenna	PIFA					
Part Number	6036B0282901 (81EABD15.G55) (Main)(Tx5)					
Frequency	n2 1850-1910MHz	n5 824-849MHz	n7 2500-2570MHz	n12 699-716MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	0.64	-2.35	-2.65	-4.87	-2.42	0.45
Vendor	WNC					
Mode	TB Mode					
Antenna	PIFA					
Part Number	6036B0250101 (81EABB15.G57) (Aux)(Rx8)(Tx8)					
Frequency	n2 1930-1990MHz	n5 869-894MHz	n7 2620-2690MHz	n12 729-746MHz	n41 2496-2690MHz	n66 1710-1780MHz
Gain (dBi)	-4.81	-1.39	-3.57	-1.39	-3.57	-2.08



1.2 Modification of EUT

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

1.3 Testing Site

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. 03CH13-HY
Test Engineer	Daniel Lee, Jacky Hong, and Wilson Wu
Temperature	21.5~25.5°C
Relative Humidity	49.5~55.5%

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW0007

1.4 Applied Standards

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

- ♦ FCC 47 CFR Part 2, 90
- ♦ ANSI / TIA-603-E
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ Interim Guidance for Equipment Authorization of Devices with Channel Bandwidths Combined Across Two Contiguous Service Rule Allocations OET/Lab/EACB, June 6, 2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

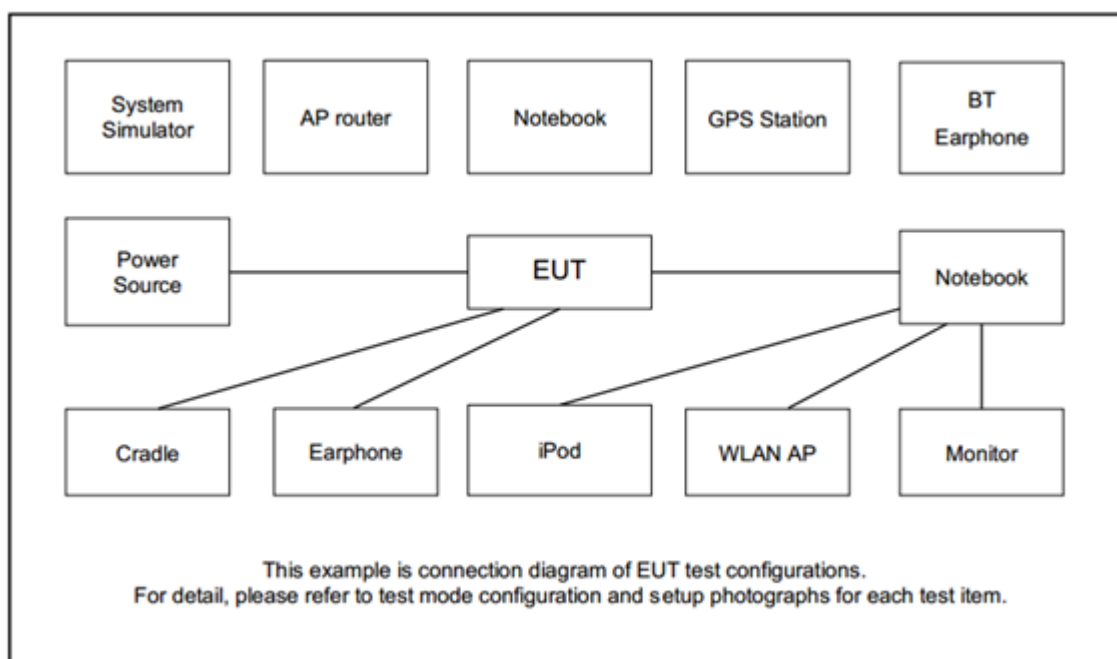
During all testing, EUT is in link mode with base station emulator at maximum power level.

For radiated measurement, pre-scanned in Tablet Type (three orthogonal panels, X, Y, Z) and Notebook Type. The worst cases (Y plane) were recorded in this report.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

Conducted Test Cases	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	26			V			-				V	V			V	V	V
Remark	1. The mark "V" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies.																

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.	Earphone	SONY	MH750	N/A	N/A	N/A
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5

3 Radiated Test Items

3.1 Field Strength of Spurious Radiation Measurement

3.1.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

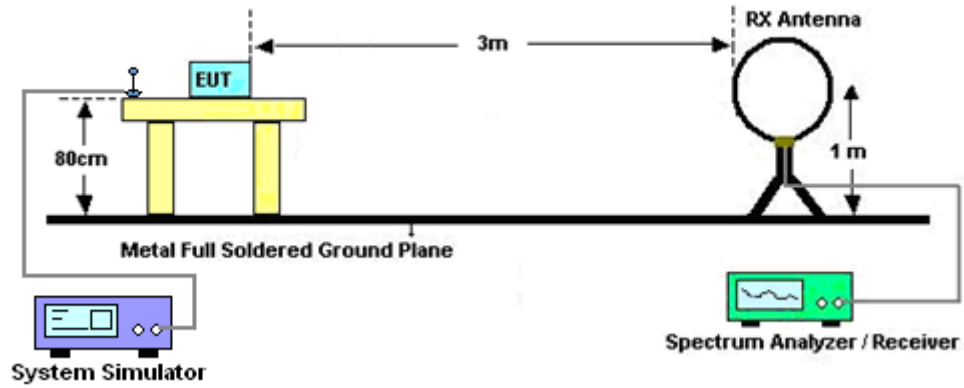
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log_{10}(P[\text{Watts}])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.1.2 Test Procedures

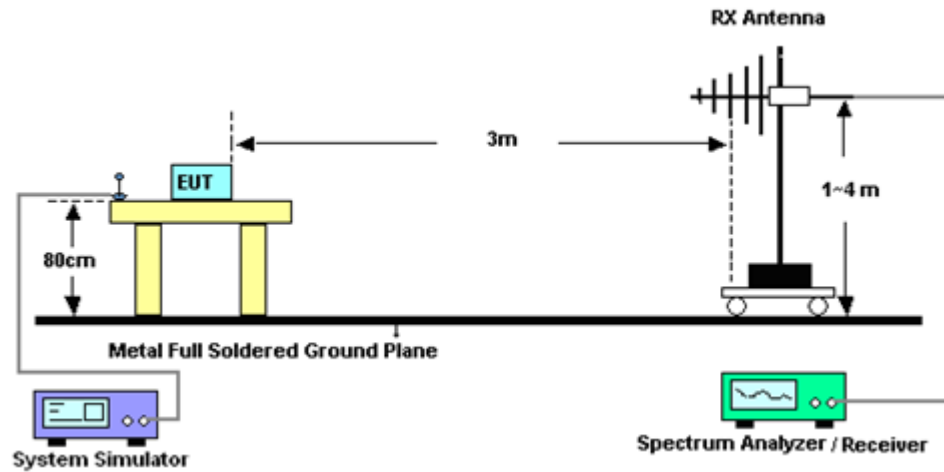
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
1. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
2. The table was rotated 360 degrees to determine the position of the highest spurious emission.
3. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
4. For testing below 1GHz, make the measurement with the spectrum analyzer's RBW = 100 kHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
5. For testing above 1GHz, make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10 \log(P)$ dB below the transmitter power P(Watts)

3.1.3 Test Setup

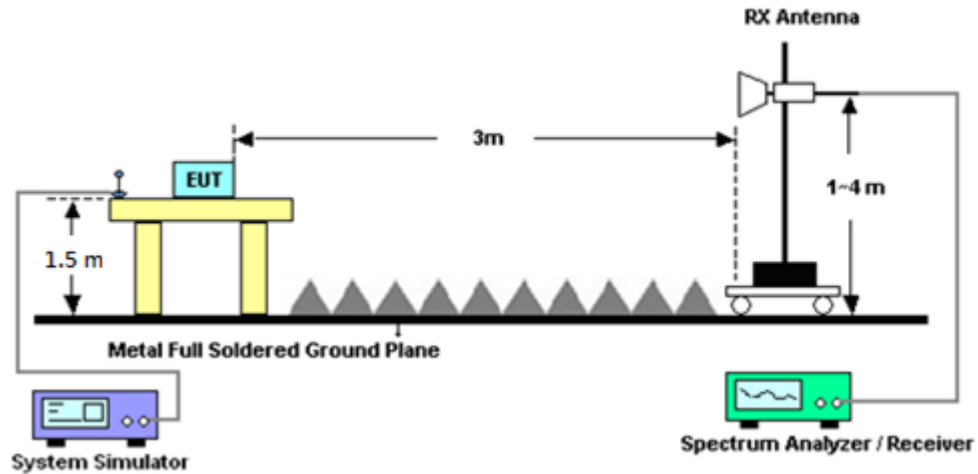
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.1.4 Test Result of Field Strength of Spurious Radiated

Please refer to Appendix A.

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 a comparison data 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 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 17, 2019	Oct. 02, 2020~ Oct. 14, 2020	Dec. 16, 2020	Radiation (03CH13-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Oct. 02, 2020~ Oct. 14, 2020	Jan. 08, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 29, 2020	Oct. 02, 2020~ Oct. 14, 2020	Apr. 28, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	41912 & 07	30MHz to 1GHz	Apr. 29, 2020	Oct. 02, 2020~ Oct. 14, 2020	Apr. 28, 2021	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz ~ 18GHz	May 20, 2020	Oct. 02, 2020~ Oct. 14, 2020	May 19, 2021	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 15, 2020	Oct. 02, 2020~ Oct. 14, 2020	Jul. 14, 2021	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 19, 2020	Oct. 02, 2020~ Oct. 14, 2020	May 18, 2021	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2019	Oct. 02, 2020~ Oct. 14, 2020	Oct. 27, 2020	Radiation (03CH13-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Feb. 15, 2020	Oct. 02, 2020~ Oct. 14, 2020	Feb. 14, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 20, 2020	Oct. 02, 2020~ Oct. 14, 2020	Mar. 19, 2021	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 02, 2020~ Oct. 14, 2020	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Oct. 02, 2020~ Oct. 14, 2020	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Oct. 02, 2020~ Oct. 14, 2020	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Oct. 02, 2020~ Oct. 14, 2020	N/A	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 12, 2020	Oct. 02, 2020~ Oct. 14, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 12, 2020	Oct. 02, 2020~ Oct. 14, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 25, 2020	Oct. 02, 2020~ Oct. 14, 2020	Feb. 24, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 12, 2020	Oct. 02, 2020~ Oct. 14, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 12, 2020	Oct. 02, 2020~ Oct. 14, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Oct. 02, 2020~ Oct. 14, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 OSS	SN2	3GHz High Pass Filter	Jul. 13, 2020	Oct. 02, 2020~ Oct. 14, 2020	Jul. 12, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-1080 -1200-15000-6 OSS	SN3	1.2GHz High Pass Filter	Jul. 02, 2020	Oct. 02, 2020~ Oct. 14, 2020	Jul. 01, 2021	Radiation (03CH13-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.10
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.12
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Appendix A. Test Results of Radiated Test

<Sample 1>

LTE Band 26

LTE Band 26 / 5MHz / 256QAM									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1628	-61.78	-13	-48.78	-74.66	-67.10	1.22	8.69	H
	2440	-57.26	-13	-44.26	-74.03	-64.13	1.43	10.45	H
	3256	-56.79	-13	-43.79	-75.61	-64.64	1.67	11.67	H
	1628	-62.16	-13	-49.16	-74.89	-67.48	1.22	8.69	V
	2440	-58.53	-13	-45.53	-75.71	-65.40	1.43	10.45	V
	3256	-56.34	-13	-43.34	-75.44	-64.19	1.67	11.67	V
Middle	1632	-62.06	-13	-49.06	-74.96	-67.39	1.22	8.70	H
	2448	-51.50	-13	-38.50	-68.25	-58.38	1.43	10.46	H
	3264	-57.23	-13	-44.23	-76	-65.10	1.68	11.69	H
	1632	-62.17	-13	-49.17	-74.93	-67.50	1.22	8.70	V
	2448	-57.68	-13	-44.68	-74.81	-64.56	1.43	10.46	V
	3264	-56.64	-13	-43.64	-75.71	-64.51	1.68	11.69	V
Highest	1640	-62.10	-13	-49.10	-75.02	-67.46	1.22	8.73	H
	2460	-58.93	-13	-45.93	-75.66	-65.81	1.43	10.47	H
	3280	-56.92	-13	-43.92	-75.58	-64.82	1.69	11.74	H
	1640	-62.12	-13	-49.12	-74.91	-67.48	1.22	8.73	V
	2460	-58.65	-13	-45.65	-75.71	-65.53	1.43	10.47	V
	3280	-56.61	-13	-43.61	-75.62	-64.51	1.69	11.74	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.