

Partial FCC Test Report (Part 27 – CA mode (LTE Band 7C, 38C, 41C))

Report No.: RFCDVB-WTW-P22100073-8

FCC ID: QYLLN920V

Test Model: LN920A12-WW

Received Date: Oct. 11, 2022

Test Date: Dec. 30, 2022

Issued Date: Jan. 11, 2023

Applicant: Getac Technology Corporation.

Address: 5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang Dist., Taipei City
11568, Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location (1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City
33383, Taiwan

**FCC Registration /
Designation Number:** 788550 / TW0003

Test Location (2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

**FCC Registration /
Designation Number:** 281270 / TW0032



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Table of Contents

Release Control Record	3
1 Certificate of Conformity	4
2 Summary of Test Results	5
2.1 Measurement Uncertainty.....	5
2.2 Test Site and Instruments.....	6
3 General Information	8
3.1 General Description of EUT.....	8
3.2 Configuration of System under Test.....	11
3.2.1 Description of Support Units.....	11
3.3 Test Mode Applicability and Tested Channel Detail.....	12
3.4 EUT Operating Conditions.....	14
3.5 General Description of Applied Standards and References.....	14
4 Test Types and Results	15
4.1 Output Power Measurement.....	15
4.1.1 Limits of Output Power Measurement.....	15
4.1.2 Test Procedures.....	15
4.1.3 Test Setup.....	15
4.1.4 Test Results.....	16
4.2 Radiated Emission Measurement.....	22
4.2.1 Limits of Radiated Emission Measurement.....	22
4.2.2 Test Procedure.....	22
4.2.3 Deviation from Test Standard.....	22
4.2.4 Test Setup.....	23
4.2.5 Test Results.....	24
5 Pictures of Test Arrangements	48
Appendix – Information of the Testing Laboratories	49

Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P22100073-8	Original release	Jan. 11, 2023

1 Certificate of Conformity

Product: Radio Module

Brand: Getac

Test Model: LN920A12-WW

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: Dec. 30, 2022

Standards: FCC Part 27, Subpart C, M

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** Jan. 11, 2023
Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** Jan. 11, 2023
Jeremy Lin / Project Engineer

2 Summary of Test Results

Applied Standard: FCC Part 27 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50 (h)(2)	Equivalent Isotropically radiated power	Pass	Meet the requirement of limit.
2.1047	Modulation characteristics	N/A	Refer to Note
2.1055 27.54	Frequency Stability	N/A	Refer to Note
2.1049	Emission Bandwidth	N/A	Refer to Note
2.1051 27.53 (m)(4)(6)	Channel Edge / Out of Band Emission Measurements	N/A	Refer to Note
--	Peak To Average Ratio	N/A	Refer to Note
2.1051 27.53 (m)(4)(6)	Conducted Spurious Emissions	N/A	Refer to Note
2.1053 27.53 (m)(4)(6)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -10.60dB at 30.00MHz.

Note:

1. This report is a Class II change partial report. Therefore, only test item of Radiated Spurious Emissions tests and Effective Radiated Power were performed for this report. Other testing data please refer to SGS Taiwan Ltd. report no.: TERF2206000797ER for module (Brand: Telit, Model: LN920A12-WW).
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (\pm)
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.00 dB
	30MHz ~ 200MHz	2.91 dB
	200MHz ~ 1000MHz	2.93 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

2.2 Modification Record

There were no modifications required for compliance.

2.3 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver R&S	ESR3+	102782	Dec. 12, 2022	Dec. 11, 2023
Spectrum Analyzer R&S	FSW43	101866	Jan. 14, 2022	Jan. 13, 2023
Loop Antenna TESEQ	HLA 6121	45745	Jul. 27, 2022	Jul. 26, 2023
Pre-amplifier EMCI	EMC001340	980201	Sep. 23, 2022	Sep. 22, 2023
RF Coaxial Cable EMCI	5D-NM-BM	140903+140902	Jan. 15, 2022	Jan. 14, 2023
Preamplifier EMCI	EMC330N	980782	Jan. 17, 2022	Jan. 16, 2023
BILOG Antenna SCHWARZBECK	VULB9168	9168-1213	Oct. 20, 2022	Oct. 19, 2023
RF Coaxial Cable EMCI	EMCCFD400-NM-N M-500	201233	Jan. 17, 2022	Jan. 16, 2023
RF Coaxial Cable EMCI	EMCCFD400-NM-N M-3000	201235	Jan. 17, 2022	Jan. 16, 2023
RF Coaxial Cable EMCI	EMCCFD400-NM-N M-9000	201236	Jan. 17, 2022	Jan. 16, 2023
HORN Antenna RF SPIN	DRH18-E	210103A18E	Nov. 13, 2022	Nov. 12, 2023
Preamplifier EMCI	EMC118A45SE	980808	Dec. 29, 2022	Dec. 28, 2023
RF Coaxial Cable EMCI	EMC104-SM-SM-1 000	210102	Jan. 17, 2022	Jan. 16, 2023
RF Coaxial Cable EMCI	EMC104-SM-SM-3 000	201231	Jan. 17, 2022	Jan. 16, 2023
RF Coaxial Cable EMCI	EMC104-SM-SM-9 000	201243	Jan. 17, 2022	Jan. 16, 2023
Preamplifier EMCI	EMC184045SE	980788	Jan. 17, 2022	Jan. 16, 2023
HORN Antenna SCHWARZBECK	BBHA 9170	9170-1049	Nov. 13, 2022	Nov. 12, 2023
RF signal cable EMCI	EMC101G-KM-KM- 5000	201260	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC101G-KM-KM- 3000	201257	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC101G-KM-KM- 2000	201254	Jan. 17, 2022	Jan. 16, 2023
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower & Turn Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Max-Full	MF-7802BS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208674	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208674	NA	NA

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Radio Communication Analyzer Anritsu	MT8820C	6201300640	Aug. 26, 2021	Aug. 22, 2023

Note: 1. The calibration interval of the above test instruments is 12/24 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in WM - 966 chamber 8.

3 General Information

3.1 General Description of EUT

Product	Radio Module			
Brand	Getac			
Test Model	LN920A12-WW			
Status of EUT	Engineering sample			
Power Supply Rating	3.3Vdc			
Modulation Type	QPSK, 16QAM, 64QAM			
Operating Frequency	LTE Band 7C	2510.0MHz ~ 2560.0MHz		
	LTE Band 38C	2580.0MHz ~ 2610.0MHz		
	LTE Band 41C	2506.0MHz ~ 2680.0MHz		
Max. EIRP Power		QPSK	16QAM	64QAM
	LTE Band 7C (20MHz + 20MHz)	174.181mW (22.41dBm)	130.918mW (21.17dBm)	117.220mW (20.69dBm)
	LTE Band 38C (20MHz + 20MHz)	199.526mW (23.00dBm)	147.571mW (21.69dBm)	132.739mW (21.23dBm)
	LTE Band 41C (20MHz + 20MHz)	237.137mW (23.75dBm)	183.231mW (22.63dBm)	159.588mW (22.03dBm)
Antenna Type	Refer to Note as below			
Antenna Connector	Refer to Note as below			
Accessory Device	NA			
Cable Supplied	NA			

Note:

1. The EUT is authorized for use in specific End-product.

Product	Brand	Model	Difference
Notebook	Getac	V110	For marketing purpose
		V110G7	
		V110Y (Y= 10 characters, Y can be 0 to 9, A to Z, a to z, “/”, “\”, “-”, “_” or blank)	

* The model of the V110G7 was chosen for final test.

2. The End-product contains following accessory devices.

Part	Brand	Model	Specification
Adapter 1	FSP	FSP065-RBBN3	I/P: 100-240Vac, 50-60Hz, 1.5A O/P: 19.0Vdc, 3.42A 1.5m DC power cable with one core attached on adapter
Adapter 2	Getac	MTA190474W4	I/P: 100-240Vac, 50-60Hz, 1.6A O/P: 19.0Vdc, 4.74A 1.55m DC power cable with two cores attached on adapter
Battery	Getac	BP3S1P2100-S	Rating: 11.1Vdc, 2040mAh, 23Wh Typical name: 2100mAh, 24Wh
Digitizer Pen	EMpen Technology Corp	DIGITIZER PEN	-

3. The End-product has three SKUs for sale, after pre-test. SKU 2 was chosen for final test and presented in the test report.

Part	Brand	Model	Specification	Configuration		
				SKU 1	SKU 2	SKU 3
CPU	Intel	Alder Lake	i5-1235U (Non Vpro)	V		V
			i7-1265U (Vpro)		V	
DDR	Kingston	---	16GB (8GB+8GB)	V		
		---	32GB (16GB+16GB)		V	
		---	64GB (32GB+32GB)			V
SSD	SSSTC	---	256GB	V		
		---	512GB		V	
		---	1TB			V
LCD Panel	AUO	G116HAN01	11.6"	V	V	V
Touchscreen	Getac	---	---	V	V	V
Finger Print	Egistec	---	---	V	V	V
WLAN Module	Intel	AX211NGW	---	V	V	V
WWAN Module	Telit	LN920A12-WW	---	V	V	V
GPS	GlobalSat	MC1010G	---	V	V	V
RFID Module	NXP	PN-7462	---		V	V
Digitizer Module	Getac	EMR116-UA00	---		V	V
Bottom Camera	FOXLINK	FN80AF-443H	---	V	V	V
	Chicony	CKAM816	---	V	V	V
Camera	FOXLINK	FN20FF-679H	---	V	V	V
IR Camera	FOXLINK	FN23FF-678H	---		V	V
Option Bay	Honeywell	N6703	Barcode	V		V
	Getac	---	SD Card reader		V	
	Getac	---	Smart Card		V	

4. The following antennas were provided to the End-product.

Ant.	Type	Connector	Gain (dBi)								
			WCDMA B2	WCDMA B4	WCDMA B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B13
Main (TX / RX)	PIFA	I-PEX	2.48	2.28	-0.69	2.48	2.28	-0.69	1.92	3.16	0.87
			LTE B14	LTE B25	LTE B26	LTE B38	LTE B41	LTE B48	LTE B66	LTE B71	
			0.78	2.48	-0.69	2.15	2.82	-1.30	2.28	2.65	
Ant.	Type	Connector	Gain (dBi)								
			WCDMA B2	WCDMA B4	WCDMA B5	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B13
Aux (RX only)	PIFA	I-PEX	4.17	2.69	-1.49	4.17	2.69	-1.49	-0.11	-3.06	0.60
			LTE B14	LTE B25	LTE B26	LTE B38	LTE B41	LTE B48	LTE B66	LTE B71	
			0.82	4.17	-1.49	0.48	1.31	-0.99	2.89	-4.84	

* Detail antenna specification please refer to antenna datasheet an antenna gain measurement report.

5. For CA mode configuration, please consult the manufacturer to declare the test mode.

6. The EUT support the following CA Configuration.

Band Configuration
5B
7C
38C
41C

7. E-UTRA CA configuration / Bandwidth combination set.

E-UTRA CA configuration / Bandwidth combination set		
E-UTRA CA Configuration	Component carriers in order of increasing carrier frequency Channel bandwidth for PCC and SCC [MHz]	Maximum aggregated bandwidth [MHz]
CA_5B	5+10 / 10+5	15
	10+10	20
CA_7C	10+20 / 20+10 / 15+15	30
	15+20 / 20+15	35
	20 + 20	40
CA_38C	15+15	30
	20+20	40
CA_41C	5+20 / 20+5	25
	10+20 / 20+10 / 15+15	30
	15+20 / 20+15	35
	20+20	40

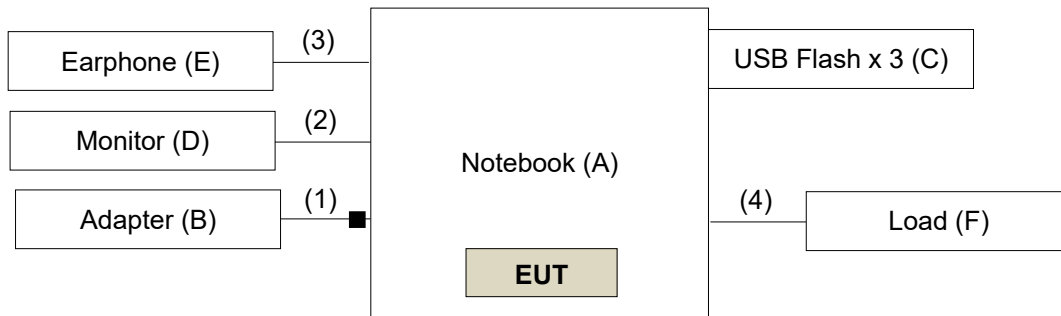
*5B is continuous CA and maximum combination is 10M+10M.

*7C is continuous CA and maximum combination is 20M+20M.

*38C is continuous CA and maximum combination is 20M+20M.

*41C is continuous CA and maximum combination is 20M+20M.

3.2 Configuration of System under Test



Remote site



3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	Getac	V110G7	NA	NA	Provided by manufacturer
B.	Adapter	FSP	FSP065-RBBN3	NA	NA	Provided by manufacturer
C.	USB Flash x 3	SanDisk	SDDDC3-032G	NA	NA	-
D.	Monitor	ASUS	VA24EHE	LCLMTF243824	NA	-
E.	Earphone	Apple	MB77PFEB	NA	NA	-
F.	Load	NA	NA	NA	NA	-
G.	Radio Communication Analyzer	Anritsu	MT8820C	6201300640	NA	-

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item G acted as a communication partner to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Power Cable	1	1.5	N	1	Provided by manufacturer Attached on adapter
2.	HDMI Cable	1	1.0	Y	0	-
3.	Earphone Cable	1	1.5	N	0	-
4.	RJ45 Cable	1	1.5	N	0	-

Note: The core(s) is(are) originally attached to the cable(s).

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned on Z-plane. Following channel(s) was (were) selected for the final test as listed below.

LTE Band 7C

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	20850 to 21152 21048 to 21350	20850 (2510.0MHz) + 21048 (2529.8MHz), 21001 (2525.1MHz) + 21199 (2544.9MHz), 21152 (2540.2MHz) + 21350 (2560.0MHz)	20MHz + 20MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	20850 to 21152 21048 to 21350	20850 (2510.0MHz) + 21048 (2529.8MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset
-	Radiated Emission Above 1GHz	20850 to 21152 21048 to 21350	20850 (2510.0MHz) + 21048 (2529.8MHz), 21001 (2525.1MHz) + 21199 (2544.9MHz), 21152 (2540.2MHz) + 21350 (2560.0MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset

Note:

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.

LTE Band 38C

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	37850 to 37952 38048 to 38150	37850 (2580.0MHz) + 38048 (2599.8MHz), 37901 (2585.1MHz) + 38099 (2604.9MHz), 37952 (2590.2MHz) + 38150 (2610.0MHz)	20MHz + 20MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	37850 to 37952 38048 to 38150	37850 (2580.0MHz) + 38048 (2599.8MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset
-	Radiated Emission Above 1GHz	37850 to 37952 38048 to 38150	37850 (2580.0MHz) + 38048 (2599.8MHz), 37901 (2585.1MHz) + 38099 (2604.9MHz), 37952 (2590.2MHz) + 38150 (2610.0MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset

Note:

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.

LTE Band 41C

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	39750 to 41292 39948 to 41490	39750 (2506.0MHz) + 39948 (2525.8MHz), 40529 (2583.9MHz) + 40712 (2602.2MHz), 41292 (2660.2MHz) + 41490 (2680.0MHz)	20MHz + 20MHz	QPSK / 16QAM / 64QAM	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	39750 to 41292 39948 to 41490	39750 (2506.0MHz) + 39948 (2525.8MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset
-	Radiated Emission Above 1GHz	39750 to 41292 39948 to 41490	39750 (2506.0MHz) + 39948 (2525.8MHz), 40529 (2583.9MHz) + 40712 (2602.2MHz), 41292 (2660.2MHz) + 41490 (2680.0MHz)	20MHz + 20MHz	QPSK	1 RB / 0 RB Offset + 1 RB / 99 RB Offset 1 RB / 99 RB Offset + 1 RB / 0 RB Offset

Note:

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP	25deg. C, 60%RH	120Vac, 60Hz (System)	Willy Cheng
Radiated Emission	19deg. C, 67%RH	120Vac, 60Hz (System)	Edison Lee

3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

3.5 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and References:

Test Standard:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

4.1.2 Test Procedures

Conducted Power Measurement:

The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_{\text{T}}$$

$$\text{ERP} = P_{\text{Meas}} + G_{\text{T}} - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively
(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_{T} gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

4.1.3 Test Setup

Conducted Power Measurement:



4.1.4 Test Results

Conducted Output Power (dBm)

LTE Band 7C

Con- figure	Com- bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti- guous	CA_7C	7	20	QPSK	1	0	20850	2510	7	20	QPSK	1	99	21048	2529.8	13.83	
					1	99						20.46					
		7	20	QPSK	1	0	21001	2525.1	7	20	QPSK	1	99	21199	2544.9	13.84	
					1	99						20.29					
		7	20	QPSK	1	0	21152	2540.2	7	20	QPSK	1	99	21350	2560	13.98	
					1	99						20.49					
Intra Band Conti- guous	CA_7C	7	20	16QAM	1	0	20850	2510	7	20	16QAM	1	99	21048	2529.8	12.46	
					1	99						19.25					
		7	20	16QAM	1	0	21001	2525.1	7	20	16QAM	1	99	21199	2544.9	12.48	
1	99				18.99												
7	20	16QAM	1	0	21152	2540.2	7	20	16QAM	1	99	21350	2560	12.68			
			1	99						19.20							
Intra Band Conti- guous	CA_7C	7	20	64QAM	1	0	20850	2510	7	20	64QAM	1	99	21048	2529.8	11.86	
					1	99						18.72					
		7	20	64QAM	1	0	21001	2525.1	7	20	64QAM	1	99	21199	2544.9	11.95	
1	99				18.37												
7	20	64QAM	1	0	21152	2540.2	7	20	64QAM	1	99	21350	2560	12.03			
			1	99						18.77							

LTE Band 38C

Con- figure	Com- bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti- guous	CA_ 38C	38	20	QPSK	1	0	37850	2580	38	20	QPSK	1	99	38048	2599.8	14.22	
					1	99						20.81					
		38	20	QPSK	1	0	37901	2585.1	38	20	QPSK	1	99	38099	2604.9	14.26	
					1	99						20.84					
		38	20	QPSK	1	0	37952	2590.2	38	20	QPSK	1	99	38150	2610	14.21	
					1	99						20.85					
Intra Band Conti- guous	CA_ 38C	38	20	16QAM	1	0	37850	2580	38	20	16QAM	1	99	38048	2599.8	13.14	
					1	99						19.54					
		38	20	16QAM	1	0	37901	2585.1	38	20	16QAM	1	99	38099	2604.9	12.89	
1	99				19.42												
38	20	16QAM	1	0	37952	2590.2	38	20	16QAM	1	99	38150	2610	12.75			
			1	99						19.53							
Intra Band Conti- guous	CA_ 38C	38	20	64QAM	1	0	37850	2580	38	20	64QAM	1	99	38048	2599.8	12.45	
					1	99						18.90					
		38	20	64QAM	1	0	37901	2585.1	38	20	64QAM	1	99	38099	2604.9	12.28	
1	99				18.66												
38	20	64QAM	1	0	37952	2590.2	38	20	64QAM	1	99	38150	2610	12.06			
			1	99						19.08							

LTE Band 41C

Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti-guous	CA_41C	41	20	QPSK	1	0	39750	2506	41	20	QPSK	1	99	39948	2525.8	17.47	
					1	99						20.93					
		41	20	QPSK	1	0	40529	2583.9	41	20	QPSK	1	99	40712	2602.2	17.41	
					1	99						20.90					
		41	20	QPSK	1	0	41292	2660.2	41	20	QPSK	1	99	41490	2680	17.33	
					1	99						20.81					
Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti-guous	CA_41C	41	20	16QAM	1	0	39750	2506	41	20	16QAM	1	99	39948	2525.8	16.17	
					1	99						19.81					
		41	20	16QAM	1	0	40529	2583.9	41	20	16QAM	1	99	40712	2602.2	16.09	
					1	99						19.46					
		41	20	16QAM	1	0	41292	2660.2	41	20	16QAM	1	99	41490	2680	15.77	
					1	99						19.54					
Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti-guous	CA_41C	41	20	64QAM	1	0	39750	2506	41	20	64QAM	1	99	39948	2525.8	15.42	
					1	99						19.21					
		41	20	64QAM	1	0	40529	2583.9	41	20	64QAM	1	99	40712	2602.2	15.34	
					1	99						18.57					
		41	20	64QAM	1	0	41292	2660.2	41	20	64QAM	1	99	41490	2680	15.03	
					1	99						18.88					

EIRP Power (dBm)

LTE Band 7C

Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	Total
Intra Band Conti-guous	CA_7C	7	20	QPSK	1	0	20850	2510	7	20	QPSK	1	99	21048	2529.8	15.75	
					1	99						22.38					
		7	20	QPSK	1	0	21001	2525.1	7	20	QPSK	1	99	21199	2544.9	15.76	
					1	99						22.21					
		7	20	QPSK	1	0	21152	2540.2	7	20	QPSK	1	99	21350	2560	15.90	
					1	99						22.41					
Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	Total
Intra Band Conti-guous	CA_7C	7	20	16QAM	1	0	20850	2510	7	20	16QAM	1	99	21048	2529.8	14.38	
					1	99						21.17					
		7	20	16QAM	1	0	21001	2525.1	7	20	16QAM	1	99	21199	2544.9	14.40	
					1	99						20.91					
		7	20	16QAM	1	0	21152	2540.2	7	20	16QAM	1	99	21350	2560	14.60	
					1	99						21.12					
Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	Total
Intra Band Conti-guous	CA_7C	7	20	64QAM	1	0	20850	2510	7	20	64QAM	1	99	21048	2529.8	13.78	
					1	99						20.64					
		7	20	64QAM	1	0	21001	2525.1	7	20	64QAM	1	99	21199	2544.9	13.87	
					1	99						20.29					
		7	20	64QAM	1	0	21152	2540.2	7	20	64QAM	1	99	21350	2560	13.95	
					1	99						20.69					

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

LTE Band 38C

Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	
																Total	
Intra Band Conti-guous	CA_38C	38	20	QPSK	1	0	37850	2580	38	20	QPSK	1	99	38048	2599.8	16.37	
					1	99						22.96					
		38	20	QPSK	1	0	37901	2585.1	38	20	QPSK	1	99	38099	2604.9	16.41	
					1	99						22.99					
		38	20	QPSK	1	0	37952	2590.2	38	20	QPSK	1	99	38150	2610	16.36	
					1	99						23.00					
Intra Band Conti-guous	CA_38C	38	20	16QAM	1	0	37850	2580	38	20	16QAM	1	99	38048	2599.8	15.29	
					1	99						21.69					
		38	20	16QAM	1	0	37901	2585.1	38	20	16QAM	1	99	38099	2604.9	15.04	
1	99				21.57												
Intra Band Conti-guous	CA_38C	38	20	16QAM	1	0	37952	2590.2	38	20	16QAM	1	99	38150	2610	14.90	
					1	99						21.68					
Intra Band Conti-guous	CA_38C	38	20	64QAM	1	0	37850	2580	38	20	64QAM	1	99	38048	2599.8	14.60	
					1	99						21.05					
		38	20	64QAM	1	0	37901	2585.1	38	20	64QAM	1	99	38099	2604.9	14.43	
1	99				20.81												
Intra Band Conti-guous	CA_38C	38	20	64QAM	1	0	37952	2590.2	38	20	64QAM	1	99	38150	2610	14.21	
					1	99						21.23					

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

LTE Band 41C

Con-figuration	Com-bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu-lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)	Total
Intra Band Conti-guous	CA_41C	41	20	QPSK	1	0	39750	2506	41	20	QPSK	1	99	39948	2525.8	20.29	
					1	99						23.75					
		41	20	QPSK	1	0	40529	2583.9	41	20	QPSK	1	99	40712	2602.2	20.23	
					1	99						23.72					
		41	20	QPSK	1	0	41292	2660.2	41	20	QPSK	1	99	41490	2680	20.15	
					1	99						23.63					
Intra Band Conti-guous	CA_41C	41	20	16QAM	1	0	39750	2506	41	20	16QAM	1	99	39948	2525.8	18.99	
					1	99						22.63					
		41	20	16QAM	1	0	40529	2583.9	41	20	16QAM	1	99	40712	2602.2	18.91	
1	99				22.28												
Intra Band Conti-guous	CA_41C	41	20	16QAM	1	0	41292	2660.2	41	20	16QAM	1	99	41490	2680	18.59	
					1	99						22.36					
Intra Band Conti-guous	CA_41C	41	20	64QAM	1	0	39750	2506	41	20	64QAM	1	99	39948	2525.8	18.24	
					1	99						22.03					
		41	20	64QAM	1	0	40529	2583.9	41	20	64QAM	1	99	40712	2602.2	18.16	
1	99				21.39												
Intra Band Conti-guous	CA_41C	41	20	64QAM	1	0	41292	2660.2	41	20	64QAM	1	99	41490	2680	17.85	
					1	99						21.70					

*EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

4.2 Radiated Emission Measurement

4.2.1 Limits of Radiated Emission Measurement

In the FCC 27.53(m) (4)(6), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log (P)$ dB. The emission limit equal to -25dBm .

4.2.2 Test Procedure

- a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following C63.26 section 5.5 and 5.2.7.
EIRP (dBm) = $E \text{ (dB}\mu\text{V/m)} + 20\log (D) - 104.8$; where D is the measurement distance (in the far field region) in m.
ERP (dBm) = $E \text{ (dB}\mu\text{V/m)} + 20\log (D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

Note:

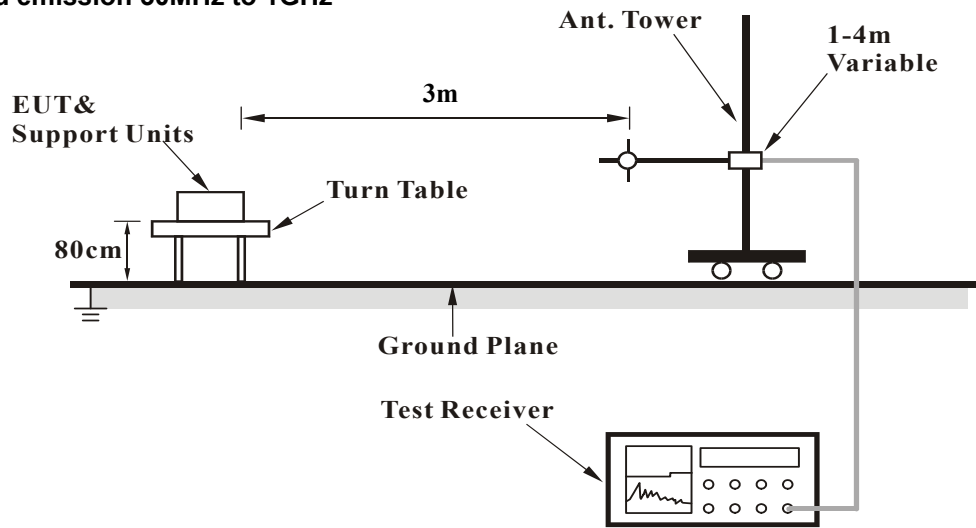
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

4.2.3 Deviation from Test Standard

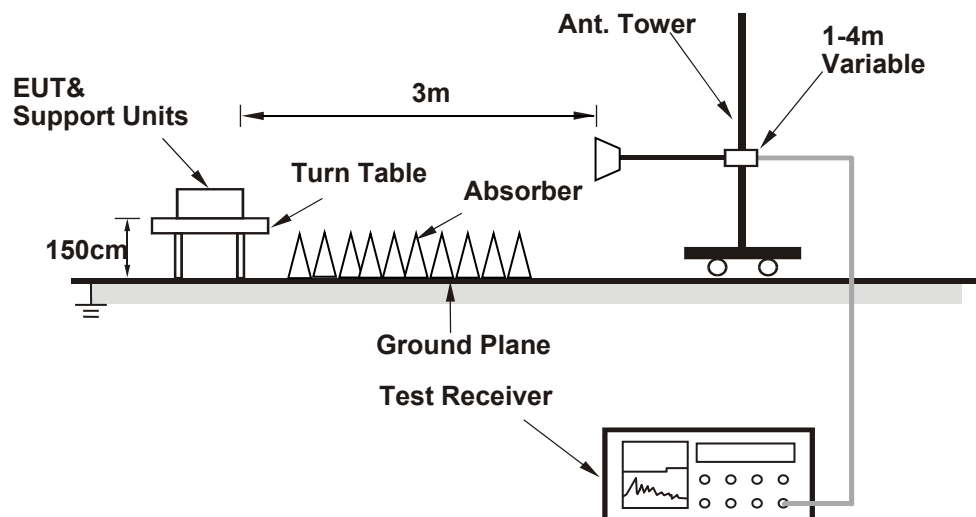
No deviation.

4.2.4 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.5 Test Results

Below 1GHz

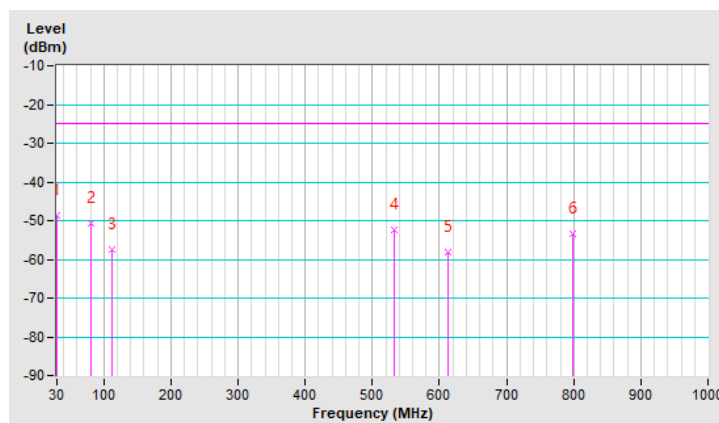
LTE Band 7C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 20850 (2510.0MHz) + 21048 (2529.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	30.00	-48.80	-25.00	-23.80	1.50 H	18	60.95	-109.75
2	80.44	-50.70	-25.00	-25.70	1.25 H	205	62.85	-113.55
3	111.48	-57.54	-25.00	-32.54	1.25 H	120	53.81	-111.35
4	533.43	-52.24	-25.00	-27.24	1.50 H	281	50.22	-102.46
5	612.97	-58.05	-25.00	-33.05	1.00 H	18	42.32	-100.37
6	799.21	-53.26	-25.00	-28.26	1.50 H	167	44.45	-97.71

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

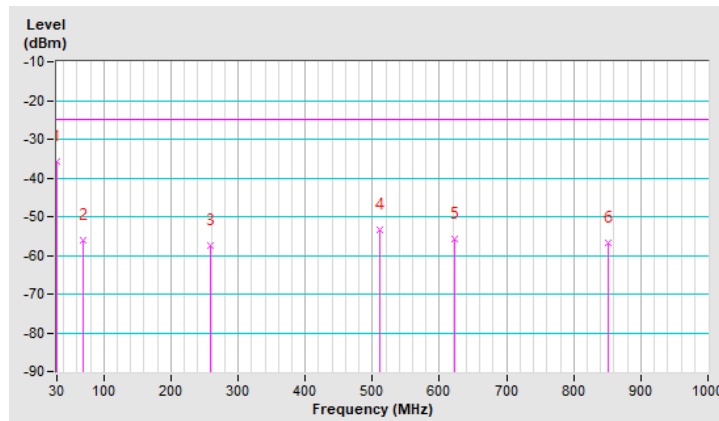


Mode	TX channel 20850 (2510.0MHz) + 21048 (2529.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-35.60	-25.00	-10.60	1.25 V	54	74.15	-109.75
2	69.77	-55.95	-25.00	-30.95	1.00 V	324	55.00	-110.95
3	258.92	-57.43	-25.00	-32.43	1.50 V	113	51.94	-109.37
4	510.15	-53.38	-25.00	-28.38	1.00 V	268	49.46	-102.84
5	621.70	-55.67	-25.00	-30.67	1.50 V	230	44.68	-100.35
6	851.59	-56.68	-25.00	-31.68	1.50 V	270	40.17	-96.85

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



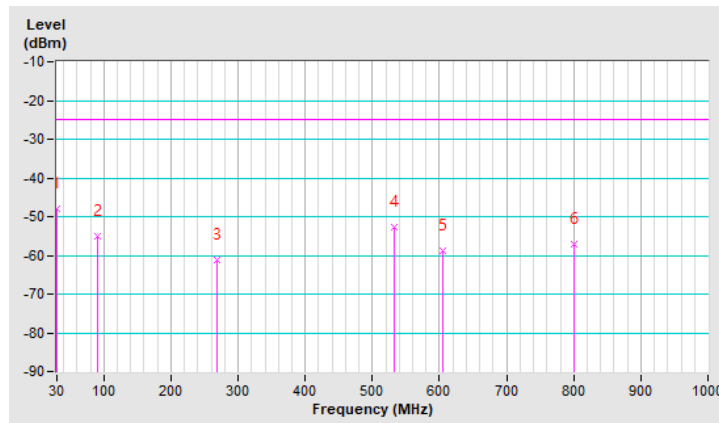
LTE Band 38C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 37850 (2580.0MHz) + 38048 (2599.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	30.00	-48.07	-25.00	-23.07	1.50 H	79	61.68	-109.75
2	90.14	-54.96	-25.00	-29.96	1.25 H	72	59.32	-114.28
3	268.62	-61.12	-25.00	-36.12	1.50 H	316	47.74	-108.86
4	532.46	-52.80	-25.00	-27.80	1.25 H	284	49.67	-102.47
5	604.24	-58.68	-25.00	-33.68	1.50 H	38	41.83	-100.51
6	800.18	-57.16	-25.00	-32.16	1.00 H	148	40.50	-97.66

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

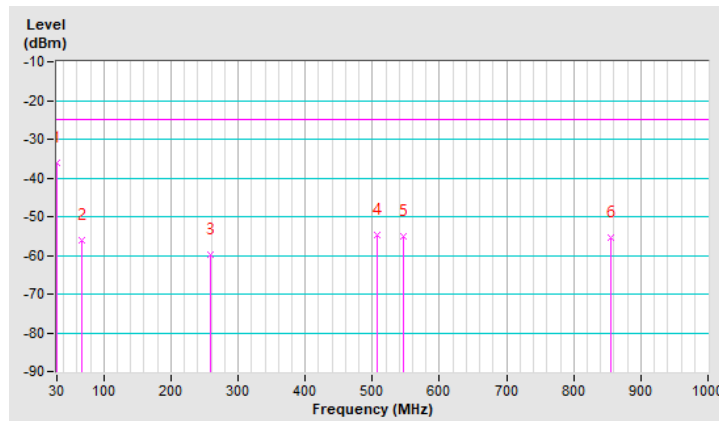


Mode	TX channel 37850 (2580.0MHz) + 38048 (2599.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-36.12	-25.00	-11.12	1.25 V	217	73.63	-109.75
2	67.83	-56.14	-25.00	-31.14	1.50 V	332	54.37	-110.51
3	257.95	-59.80	-25.00	-34.80	1.50 V	332	49.61	-109.41
4	506.27	-54.87	-25.00	-29.87	1.25 V	165	48.10	-102.97
5	547.01	-55.22	-25.00	-30.22	1.00 V	98	47.02	-102.24
6	854.50	-55.57	-25.00	-30.57	1.50 V	339	41.28	-96.85

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



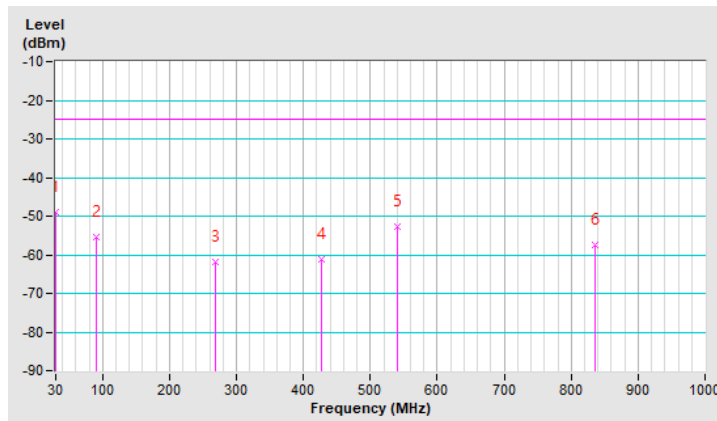
LTE Band 41C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 39750 (2506.0MHz) + 39948 (2525.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	30.00	-49.04	-25.00	-24.04	1.50 H	97	60.71	-109.75
2	90.14	-55.33	-25.00	-30.33	1.25 H	42	58.95	-114.28
3	268.62	-61.97	-25.00	-36.97	1.00 H	276	46.89	-108.86
4	427.70	-61.03	-25.00	-36.03	1.50 H	279	43.57	-104.60
5	540.22	-52.64	-25.00	-27.64	1.00 H	268	49.74	-102.38
6	835.10	-57.56	-25.00	-32.56	1.50 H	290	39.50	-97.06

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

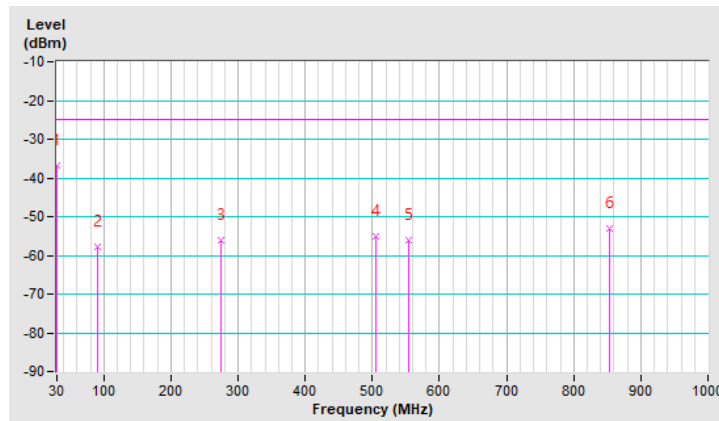


Mode	TX channel 39750 (2506.0MHz) + 39948 (2525.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-36.93	-25.00	-11.93	1.50 V	166	72.82	-109.75
2	90.14	-57.65	-25.00	-32.65	1.25 V	244	56.63	-114.28
3	275.41	-55.96	-25.00	-30.96	1.50 V	19	52.53	-108.49
4	505.30	-55.08	-25.00	-30.08	1.25 V	273	47.91	-102.99
5	553.80	-56.27	-25.00	-31.27	1.50 V	98	45.79	-102.06
6	853.53	-52.93	-25.00	-27.93	1.00 V	345	43.93	-96.86

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



Above 1GHz

LTE Band 7C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 20850 (2510.0MHz) + 21048 (2529.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-47.71	-25.00	-22.71	1.00 H	115	45.20	-92.91
2	5059.60	-49.61	-25.00	-24.61	2.13 H	82	43.20	-92.81
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-45.31	-25.00	-20.31	1.52 V	330	47.60	-92.91
2	5059.60	-48.41	-25.00	-23.41	1.69 V	126	44.40	-92.81

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 21001 (2525.1MHz) + 21199 (2544.9MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5050.20	-47.90	-25.00	-22.90	1.02 H	115	45.00	-92.90
2	5089.80	-49.70	-25.00	-24.70	2.15 H	86	43.10	-92.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5050.20	-45.40	-25.00	-20.40	1.55 V	328	47.50	-92.90
2	5089.80	-48.60	-25.00	-23.60	1.68 V	124	44.20	-92.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 21152 (2540.2MHz) + 21350 (2560.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5080.40	-47.99	-25.00	-22.99	1.05 H	114	44.77	-92.76
2	5120.00	-49.77	-25.00	-24.77	1.14 H	81	42.92	-92.69
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5080.40	-45.39	-25.00	-20.39	1.47 V	330	47.37	-92.76
2	5120.00	-48.76	-25.00	-23.76	1.64 V	126	43.93	-92.69

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 38C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 37850 (2580.0MHz) + 38048 (2599.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-46.61	-25.00	-21.61	1.02 H	109	46.12	-92.73
2	5199.60	-49.46	-25.00	-24.46	2.00 H	196	43.38	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-39.81	-25.00	-14.81	1.34 V	336	52.92	-92.73
2	5199.60	-47.12	-25.00	-22.12	1.66 V	139	45.72	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 37901 (2585.1MHz) + 38099 (2604.9MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5170.20	-46.80	-25.00	-21.80	1.00 H	106	46.00	-92.80
2	5209.80	-49.90	-25.00	-24.90	1.97 H	195	43.00	-92.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5170.20	-40.20	-25.00	-15.20	1.30 V	333	52.60	-92.80
2	5209.80	-47.40	-25.00	-22.40	1.63 V	143	45.50	-92.90

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 37952 (2590.2MHz) + 38150 (2610.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5180.40	-46.84	-25.00	-21.84	1.03 H	117	45.94	-92.78
2	5220.00	-49.96	-25.00	-24.96	2.00 H	199	42.93	-92.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5180.40	-40.25	-25.00	-15.25	1.35 V	337	52.53	-92.78
2	5220.00	-47.43	-25.00	-22.43	1.62 V	136	45.46	-92.89

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 41C, Channel Bandwidth 20MHz + 20MHz (1 RB / 0 RB Offset + 1 RB / 99 RB Offset)

Mode	TX channel 39750 (2506.0MHz) + 39948 (2525.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-47.39	-25.00	-22.39	1.36 H	123	45.55	-92.94
2	5051.60	-49.87	-25.00	-24.87	2.38 H	159	42.97	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-44.57	-25.00	-19.57	1.87 V	336	48.37	-92.94
2	5051.60	-47.99	-25.00	-22.99	1.72 V	153	44.85	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 40529 (2583.9MHz) + 40712 (2602.2MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5167.80	-47.40	-25.00	-22.40	1.41 H	127	45.34	-92.74
2	5204.40	-50.10	-25.00	-25.10	2.35 H	163	42.74	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5167.80	-44.61	-25.00	-19.61	1.88 V	333	48.13	-92.74
2	5204.40	-48.18	-25.00	-23.18	1.75 V	160	44.66	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 41292 (2660.2MHz) + 41490 (2680.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5320.40	-47.92	-25.00	-22.92	1.31 H	121	45.11	-93.03
2	5360.00	-50.21	-25.00	-25.21	2.35 H	157	42.75	-92.96
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5320.40	-45.09	-25.00	-20.09	1.82 V	339	47.94	-93.03
2	5360.00	-48.45	-25.00	-23.45	1.71 V	151	44.51	-92.96

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 7C, Channel Bandwidth 20MHz + 20MHz (1 RB / 99 RB Offset + 1 RB / 0 RB Offset)

Mode	TX channel 20850 (2510.0MHz) + 21048 (2529.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-47.95	-25.00	-22.95	1.01 H	113	44.96	-92.91
2	5059.60	-49.93	-25.00	-24.93	2.08 H	80	42.88	-92.81
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-45.54	-25.00	-20.54	1.49 V	332	47.37	-92.91
2	5059.60	-48.79	-25.00	-23.79	1.65 V	127	44.02	-92.81

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 21001 (2525.1MHz) + 21199 (2544.9MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5050.20	-48.20	-25.00	-23.20	1.01 H	119	44.70	-92.90
2	5089.80	-49.80	-25.00	-24.80	2.08 H	80	43.00	-92.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5050.20	-45.70	-25.00	-20.70	1.52 V	322	47.20	-92.90
2	5089.80	-48.80	-25.00	-23.80	1.67 V	130	44.00	-92.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 21152 (2540.2MHz) + 21350 (2560.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5080.40	-47.81	-25.00	-22.81	1.11 H	117	44.95	-92.76
2	5120.00	-49.93	-25.00	-24.93	2.22 H	83	42.76	-92.69
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5080.40	-45.39	-25.00	-20.39	1.57 V	330	47.37	-92.76
2	5120.00	-48.70	-25.00	-23.70	1.64 V	128	43.99	-92.69

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 38C, Channel Bandwidth 20MHz + 20MHz (1 RB / 99 RB Offset + 1 RB / 0 RB Offset)

Mode	TX channel 37850 (2580.0MHz) + 38048 (2599.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-46.94	-25.00	-21.94	1.03 H	108	45.79	-92.73
2	5199.60	-49.72	-25.00	-24.72	2.05 H	197	43.12	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-40.06	-25.00	-15.06	1.37 V	333	52.67	-92.73
2	5199.60	-47.55	-25.00	-22.55	1.70 V	137	45.29	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 37901 (2585.1MHz) + 38099 (2604.9MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5170.20	-47.10	-25.00	-22.10	1.01 H	107	45.70	-92.80
2	5209.80	-49.70	-25.00	-24.70	1.98 H	197	43.20	-92.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5170.20	-40.30	-25.00	-15.30	1.36 V	336	52.50	-92.80
2	5209.80	-47.40	-25.00	-22.40	1.69 V	138	45.50	-92.90

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 37952 (2590.2MHz) + 38150 (2610.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5180.40	-46.79	-25.00	-21.79	1.02 H	114	45.99	-92.78
2	5220.00	-50.00	-25.00	-25.00	2.01 H	195	42.89	-92.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5180.40	-40.25	-25.00	-15.25	1.35 V	337	52.53	-92.78
2	5220.00	-47.43	-25.00	-22.43	1.62 V	136	45.46	-92.89

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 41C, Channel Bandwidth 20MHz + 20MHz (1 RB / 99 RB Offset + 1 RB / 0 RB Offset)

Mode	TX channel 39750 (2506.0MHz) + 39948 (2525.8MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-47.73	-25.00	-22.73	1.38 H	122	45.21	-92.94
2	5051.60	-50.16	-25.00	-25.16	2.33 H	155	42.68	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-44.79	-25.00	-19.79	1.89 V	335	48.15	-92.94
2	5051.60	-48.39	-25.00	-23.39	1.73 V	153	44.45	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 40529 (2583.9MHz) + 40712 (2602.2MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5167.80	-47.44	-25.00	-22.44	1.32 H	122	45.30	-92.74
2	5204.40	-50.27	-25.00	-25.27	2.39 H	158	42.57	-92.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5167.80	-44.74	-25.00	-19.74	1.82 V	336	48.00	-92.74
2	5204.40	-48.50	-25.00	-23.50	1.74 V	150	44.34	-92.84

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 41292 (2660.2MHz) + 41490 (2680.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	19deg. C, 67%RH	Input Power	120Vac, 60Hz (System)
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5320.40	-47.83	-25.00	-22.83	1.35 H	120	45.20	-93.03
2	5360.00	-50.22	-25.00	-25.22	2.38 H	162	42.74	-92.96
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5320.40	-45.15	-25.00	-20.15	1.85 V	338	47.88	-93.03
2	5360.00	-48.31	-25.00	-23.31	1.68 V	157	44.65	-92.96

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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