

Partial FCC Test Report (Part 96)

Report No.: RFBFLF-WTW-P22010014A-4

Test Model: B2502CB, B2502CBA, P2552CB, PX560CB, BW560CB, B2502FB,
B2502FBA, P2552FB, PX560FB, BW560FB

(refer to item 3.1 for more details)

Received Date: Dec. 20, 2021

Test Date: Jun. 25 ~ Jun. 27, 2022

Issued Date: Jul. 05, 2022

Applicant: ASUSTeK COMPUTER INC.

Address: 1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

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: 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 Modification Record	5
3 General Information	6
3.1 General Description of EUT	6
3.2 Test Mode Applicability and Tested Channel Detail	10
3.3 Description of Support Units	11
3.3.1 Configuration of System under Test	11
3.4 General Description of Applied Standards	12
4 Test Types and Results	13
4.1 Radiated Emission Measurement	13
4.1.1 Limits of Radiated Emission Measurement	13
4.1.2 Test Instruments	13
4.1.3 Test Procedures	14
4.1.4 Deviation from Test Standard	14
4.1.5 Test Set Up	15
4.1.6 Test Results	16
5 Pictures of Test Arrangements	19
Appendix – Information of the Testing Laboratories	20

Release Control Record

Issue No.	Description	Date Issued
RFBFLF-WTW-P22010014A-4	Original release.	Jul. 05, 2022

1 Certificate of Conformity

Product: Notebook PC/ExpertBook

Brand: ASUS

Test Model: B2502CB, B2502CBA, P2552CB, PX560CB, BW560CB, B2502FB, B2502FBA,
P2552FB, PX560FB, BW560FB

Sample Status: Engineering sample

Applicant: ASUSTeK COMPUTER INC.

Test Date: Jun. 25 ~ Jun. 27, 2022

Standards: 47 CFR FCC Part 96

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 : _____

Lena Wang

, **Date:** _____

Jul. 05, 2022

Lena Wang / Specialist

Approved by : _____

Jeremy Lin

, **Date:** _____

Jul. 05, 2022

Jeremy Lin / Project Engineer

2 Summary of Test Results

47 CFR FCC Part 96			
FCC Clause	Test Item	Result	Remarks
2.1046 96.41(b)	Maximum Peak Output Power	N/A	Refer to Note
2.1047 96.41(a)	Modulation Characteristics	N/A	Refer to Note
2.1046 96.41(b)	Maximum Power Spectral Density	N/A	Refer to Note
96.41(g)	Peak to Average Ration	N/A	Refer to Note
2.1049	Emission Bandwidth	N/A	Refer to Note
2.1055	Frequency Stability	N/A	Refer to Note
2.1051 96.41(e)	Conducted Spurious Emissions	N/A	Refer to Note
2.1053 96.41(e)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -10.38 dB at 7250.00 MHz.

Note:

1. This report is a partial report, only test items of Radiated Spurious Emissions tests was performed for this report. Other testing data please refer to Sporton report no.: FG051802F_R01 for module (Brand: Fibocom, Model: FM350-GL).
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) (±)
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.

3 General Information

3.1 General Description of EUT

Product	Notebook PC/ExpertBook		
Brand	ASUS		
Test Model	B2502CB, B2502CBA, P2552CB, PX560CB, BW560CB, B2502FB, B2502FBA, P2552FB, PX560FB, BW560FB		
Model Difference	Refer to Note as below		
Status of EUT	Engineering sample		
Power Supply Rating	11.4 Vdc (Battery) 5V/9V/15V/20V Vdc (Adapter)		
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM		
Operating Frequency	LTE Band 48	Channel Bandwidth 5MHz	TX: 3552.5 ~ 3697.5 MHz RX: 3552.5 ~ 3697.5 MHz
		Channel Bandwidth 10MHz	TX: 3555 ~ 3695 MHz RX: 3555 ~ 3695 MHz
		Channel Bandwidth 15MHz	TX: 3557.5 ~ 3692.5 MHz RX: 3557.5 ~ 3692.5 MHz
		Channel Bandwidth 20MHz	TX: 3560 ~ 3690 MHz RX: 3560 ~ 3690 MHz
		Antenna Type	Refer to Note
Accessory Device	NA		
Data Cable Supplied	NA		
Tx / Rx Function	1Tx / 4Rx		

Note:

1. All models are listed as below.

Brand	Model	Difference
ASUS	B2502CB	For marketing purpose
	B2502CBA	
	P2552CB	
	PX560CB	
	BW560CB	
	B2502FB	
	B2502FBA	
	P2552FB	
	PX560FB	
	BW560FB	

2. The EUT contains the following accessories.

Accessories information		
Main Board	Brand	ASUS
	Model	B2402FBA MB
LCD Panel 1	Brand	BOE
	Model	NT156WHM-N44
LCD Panel 2	spec	LCD 15.6' HD US EDP
	Brand	INNOLUX
	Model	N156BGA-EA3
LCD Panel 3	spec	LCD 15.6' HD US EDP
	Brand	BOE
	Model	NT156FHM-N62
LCD Panel 4	spec	LCD 15.6' FHD EDP
	Brand	INNOLUX
	Model	N156HGA-EA3
LCD Panel 5	spec	LCD 15.6' FHD EDP
	Brand	BOE
	Model	NE156FHM-N41
LCD Panel 6	spec	LCD 15.6' FHD VWV EDP
	Brand	AUO
	Model	B156HAN02.1
LCD Panel 7	spec	LCD 15.6' FHD VWV EDP
	Brand	INNOLUX
	Model	N156HCE-EN1
Camera 1	spec	LCD 15.6' FHD WV US EDP 400NITS
	Brand	AZWAVE
	Model	AM-9BF56EB-D
Camera 2	spec	CAMERA HD RGB/IR ARRAY MIC CR
	Brand	SUPREME
	Model	AHDFN050
Camera 3	spec	CAMERA HD FIX 3.3V ARRAYMIC CL
	Brand	AZWAVE
	Model	AM-6SF56A2-J
Camera 4	spec	CAMERA HD FIX 3.3V ARRAYMIC CL
	Brand	SUPREME
	Model	AHDFN171
CPU 1	spec	CAMERA HD FIX 3.3V ARRAYMIC CL
	Brand	Intel/BGA1744
	Model	I7-1260P 12C
CPU 2	spec	2.1G
	Brand	Intel/BGA1744
	Model	I5-1240P 12C
CPU 3	spec	1.7G
	Brand	Intel/BGA1744
	Model	I3-1215U 6C
V-Pro CPU 1	spec	1.2GHz
	Brand	Intel/BGA1744
	Model	I5-1250P
V-Pro CPU 2	spec	1.7GHz
	Brand	Intel/BGA1744
	Model	I7-1270P
M.2 SSD 1	spec	2.2GHz
	Brand	WD
	Model	SDBPNPZ-256G-1002
M.2 SSD 2	spec	256GB M2 2280 NVME
	Brand	KST
	Model	OM8PDP3256B-AB1
M.2 SSD 3	spec	256GB M2 2280 NVME
	Brand	INT
	Model	SSDPEKNU512GZ
M.2 SSD 4	spec	512GB M2 2280 NVME
	Brand	MICRON
	Model	MTFDHBA512QFD
M.2 SSD 4	spec	512G M2 2280 NVME

Accessories information		
M.2 SSD 5	Brand	INT
	Model	SSDPEKNU010TZ
	spec	1TB M2 2280 NVME
M.2 SSD 6	Brand	MICRON
	Model	MTFDHBA1T0QFD
	spec	1TB M2 2280 NVME
M.2 SSD 7	Brand	SAMSUNG
	Model	MZVL2512HCJQ
	spec	512GB M2 2280 NVME
M.2 SSD 8	Brand	MICRON
	Model	MTFDKBA512TFH
	spec	512GB M2 2280 NVME
M.2 SSD 9	Brand	SAMSUNG
	Model	MZVL21T0HCLR
	spec	1TB M2 2280 NVME
M.2 SSD 10	Brand	MICRON
	Model	MTFDKBA1T0TFH
	spec	1TB M2 2280 NVME
M.2 SSD 11	Brand	SAMSUNG
	Model	MZVL22T0HBLB
	spec	2TB M2 2280 NVME
M.2 SSD 12	Brand	MICRON
	Model	MTFDKBA2T0TFH
	spec	2TB M2 2280 NVME
HDD 1	Brand	TOSHIBA
	Model	MQ04ABF100
	spec	1 TB-5400rpm
HDD 2	Brand	SEAGATE
	Model	ST1000LM035
	spec	1 TB-5400rpm
HDD 3	Brand	SEAGATE
	Model	ST1000LM049
	spec	1 TB-7200rpm
HDD 4	Brand	SEAGATE
	Model	ST2000LM007
	spec	2 TB-5400rpm
BT/WLAN Module	Brand	INTEL
	Model	AX211D2W
WWAN Module	Brand	Fibocom
	Model	FM350-GL
Battery 1	Brand	ASUS
	Model	B31N1909
	Power Rating	CPT/GLP606080R/3S1P/11.4V/48WH
SO-DIMM	Manufacturer	CPT
	SPEC	DDR4, 3200 MHz (4G/8G/16G/32G)
AC Adapter 1	Brand	ASUS
	Model	AD10380
	AC Input	100 - 240 Vac; 50 - 60 Hz; 1.5 A
	DC Output	5Vdc; 3A / 9Vdc; 3A / 15Vdc; 3A / 20Vdc; 3.25A
	DC Output Cable	1.5m / 0 core shielding
	Manufacturer	R33164
AC Adapter 2	Brand	PI
	Model	ASUS
	AC Input	A19-065N3A
	DC Output	100 - 240 Vac; 50 - 60 Hz; 1.5 A
	DC Output Cable	5Vdc; 3A / 9Vdc; 3A / 15Vdc; 3A / 20Vdc; 3.25A
	Manufacturer	1.5m / 0 core shielding
AC power cable	Signal Line	0.8 meter / no shielding/ 0 core
AC Adapter 3	Brand	ASUS
	Model	ADP-65TW A
	AC Input	100 - 240 Vac; 50 - 60 Hz; 1.5 A
	DC Output	5Vdc; 3A / 9Vdc; 3A / 15Vdc; 3A / 20Vdc; 3.25A
	Manufacturer	DELTA
Type C to Type C USB Cable 1	Brand	MECIMEX
	Model	USB2.0 TYPE C TO C CABLE

Accessories information		
Stylus Pen	Signal Line	1.5 meter
	Brand	Shenzhen qianfenyi intelligent technology co., LTD.
	Model	Active Stylus SA201H
	Manufacturer	MAXEYE

**After pretesting, Adapter 1 was the worst case and chosen for final test.

3. The antenna information is listed as below.

Ant. Type	Brand	Model
PIFA	PULSE	Ant. 0: TZ21131 (1415-08YT0A9)
		Ant. 1: TZ21134 (1415-08YQ0A9)
		Ant. 2: TZ21138 (1415-08YR0A9)
		Ant. 3: TZ21139 (1415-08YS0A9)

Band	WCDMA			LTE																	
	II	IV	V	2	4	5	7	12	13	14	17	25	26	30	38	41	48	66	71		
Peak Gain (dBi)	NB	Ant. 0	2.1	2.33	-0.74	2.1	2.33	-0.74	1.7	0.8	1.49	1.54	0.77	2.1	0.22	3.38	2.42	2.68	1.78	2.47	1.03
		Ant. 1	0.23	2.96	-0.07	0.23	2.96	-0.07	2.72	-	0.6	0.36	-	0.23	-0.07	3.9	3.13	3.22	2.21	2.96	-
		Ant. 2	3.33	-	-	3.33	-	-	4.24	-	-	-	-	3.33	-	1.35	3.59	4.93	5.07	-	-
		Ant. 3	2.44	1.52	-	2.44	1.52	-	2.31	-	-	-	-	2.44	-	1.1	1.93	2.31	2.67	1.52	-
	TB	Ant. 0	2.21	1.35	-3.19	2.21	1.35	-3.19	0.73	-2.15	-3.91	-4.53	-2.21	2.25	-3.19	2.85	0.98	2.18	6.67	1.35	-1.81
		Ant. 1	0.35	-0.29	-3.13	0.35	-0.29	-3.13	3.92	-	-6.59	-4.41	-	0.35	-3.13	0.99	3.92	3.96	4.89	-0.29	-
		Ant. 2	1.65	-	-	1.65	-	-	2.36	-	-	-	-	1.65	-	1.42	2.25	2.86	7.94	-	-
		Ant. 3	0.79	-0.12	-	0.79	-0.12	-	0.18	-	-	-	-	1.7	-	4.16	-0.64	0.28	3.05	-0.12	-

Band	5G NR												
	2	5	7	25	30	38	41	66	71	77	78		
Peak Gain (dBi)	NB	Ant. 0	2.1	-0.74	1.7	2.1	3.38	2.42	2.68	2.47	1.03	1.78	1.08
		Ant. 1	0.23	-0.07	2.72	0.23	3.9	3.13	3.22	2.96	-	2.6	5.38
		Ant. 2	3.33	-	4.24	3.33	1.35	3.59	4.93	-	-	5.07	5.8
		Ant. 3	2.44	-	2.31	2.44	1.1	1.93	2.31	1.52	-	3.36	2.62
	TB	Ant. 0	2.21	-3.19	0.73	2.25	2.85	0.98	2.18	1.35	-1.81	7.8	6.92
		Ant. 1	0.35	-3.13	3.92	0.35	0.99	3.92	3.96	-0.29	-	5.34	4.23
		Ant. 2	1.65	-	2.36	1.65	1.42	2.25	2.86	-	-	7.94	7.55
		Ant. 3	0.79	-	0.18	1.7	4.16	-0.64	0.28	-0.12	-	4.28	2.35

4. The above Antenna information refers to the manufacturer's antenna specifications, the laboratory shall not be held responsible.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

6. The EUT contains certified WWAN module with FCC ID: MSQFM350GL.

3.2 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 X-plane. Following channel(s) was (were) selected for the final test as listed below:

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
Radiated Emission	55340 to 56640	55990	20MHz	QPSK

Note:

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
Radiated Emission	22 deg. C, 67 % RH	120 Vac, 60 Hz	Wade Huang

3.3 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.

No.	Product	Brand	Model No.	Serial No.	FCC ID
A	Monitor	ASUS	VP247	N/A	N/A
B	Load	N/A	N/A	N/A	N/A
C	Flash	HP	v250W	05	N/A
D	Flash	SanDisk	SDDDC3-032G	N/A	N/A
E	Earphone	Apple	MB77PFEB	N/A	N/A
F	Radio Communication Test Station	Anritsu	MT8000A	6262135011	N/A
G	Radio Communication Test Station	Anritsu	MT8821C	6261806803	N/A

No.	Signal Cable Description of The Above Support Units
1.	HDMI Cable: 2m
2.	LAN Cable: 1.5m
3.	Audio Cable: 1.6m

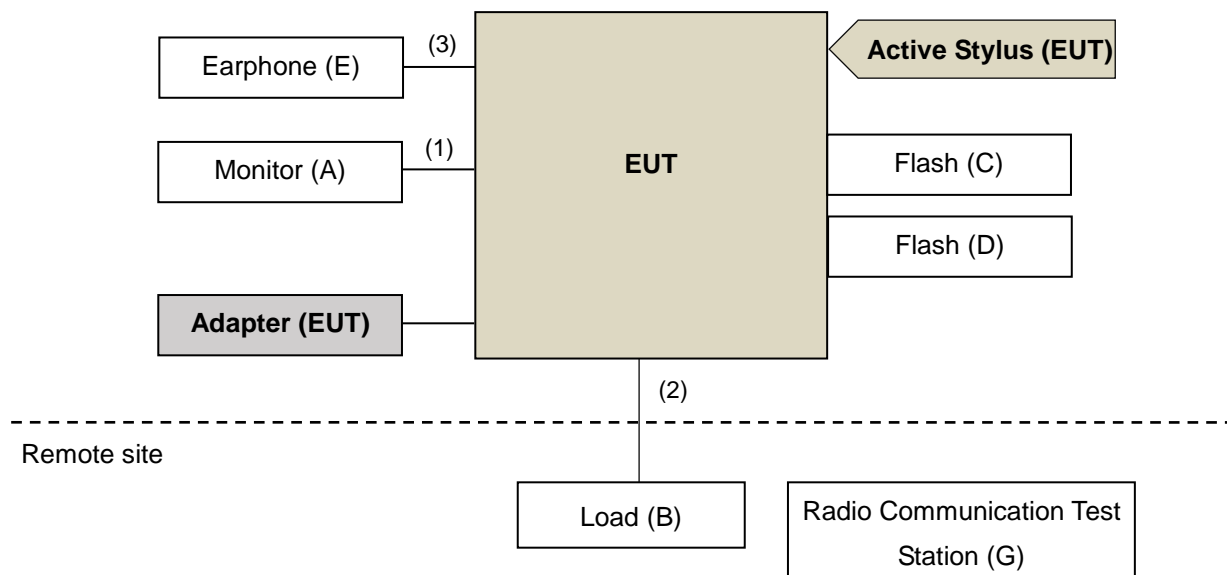
Note:

1. All power cords of the above support units are non-shielded (1.8m).

3.3.1 Configuration of System under Test

<Radiated Emission Test>

LTE



3.4 General Description of Applied Standards

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

FCC 47 CFR Part 2

FCC 47 CFR Part 96

KDB 971168 D01 Power Meas License Digital Systems v02r02

KDB 940660 D01 Part 96 CBRS Eqpt v02

ANSI/TIA/EIA-603-D-2010

All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Radiated Emission Measurement

4.1.1 Limits of Radiated Emission Measurement

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz .

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Rohde & Schwarz	ESR3	102783	Dec. 20, 2021	Dec. 19, 2022
Spectrum Analyzer KEYSIGHT	N9020B	MY60110513	Dec. 24, 2021	Dec. 23, 2022
BILOG Antenna SCHWARZBECK	VULB9168	1214	Oct. 27, 2021	Oct. 26, 2022
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1170	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	995	Nov. 14, 2021	Nov. 13, 2022
Loop Antenna EMCI	EM-6879	269	Sep. 16, 2021	Sep. 15, 2022
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
Preamplifier EMCI	EMC330N	980798	Jan. 17, 2022	Jan. 16, 2023
Preamplifier EMCI	EMC118A45SE	980809	Dec. 30, 2021	Dec. 29, 2022
Preamplifier EMCI	EMC184045SE	980786	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC104-SM-SM-(9000+2000+1000)	201244+ 201232+ 210103	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMCCFD400-NM-NM-(9000+300+500)	201251+ 201249+ 201248	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC101G-KM-KM-(5000+3000+2000)	201261+201258+2 01249	Jan. 17, 2022	Jan. 16, 2023
Software BV ADT	ADT_Radiated_V7.6.15.9.5	NA	NA	NA
Antenna Tower Max-Full	MFA-515BSN	NA	NA	NA
Turn Table Max-Full	MFT-201SS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208676	NA	NA
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	Jul. 12, 2021	Jul. 11, 2022
Radio Communication Test Station Anritsu	MT8000A	6262135011	Nov. 18, 2021	Nov. 17, 2022
Radio Communication Test Station Anritsu	MT8821C	6261806803	Feb. 16, 2022	Feb. 15, 2023

- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in WM Chamber 9.

4.1.3 Test Procedures

- a. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) 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 1m to 4m 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 (dB μ V/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.
ERP (dBm) = E (dB μ V/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

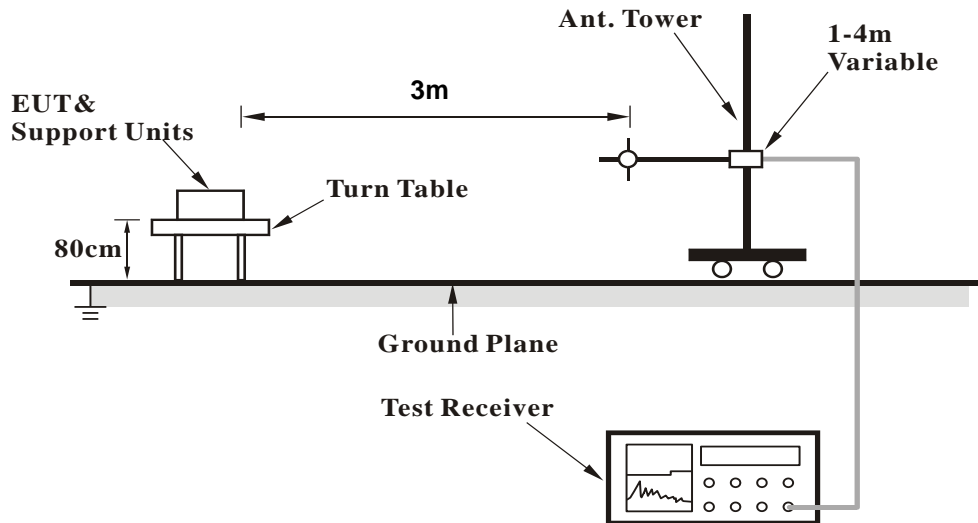
1. The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

4.1.4 Deviation from Test Standard

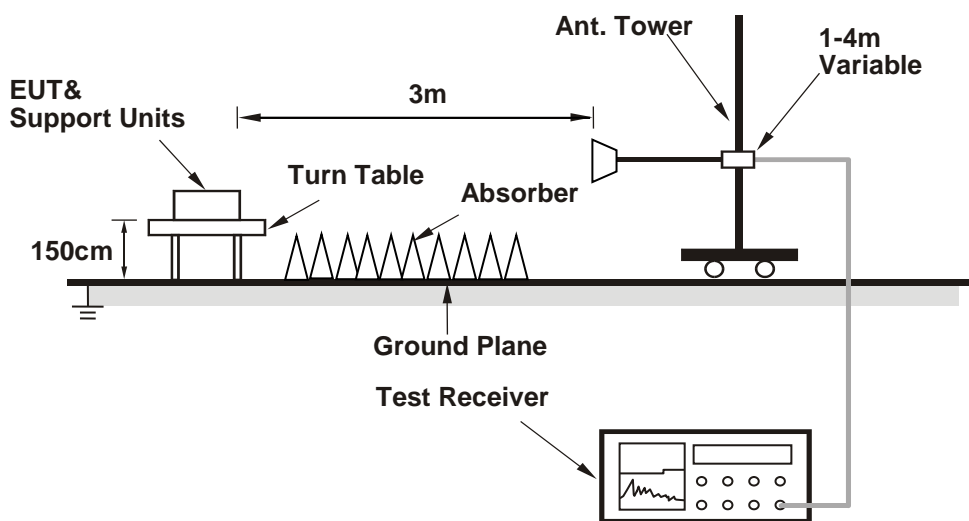
No deviation.

4.1.5 Test Set Up

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



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

4.1.6 Test Results

Below 1GHz

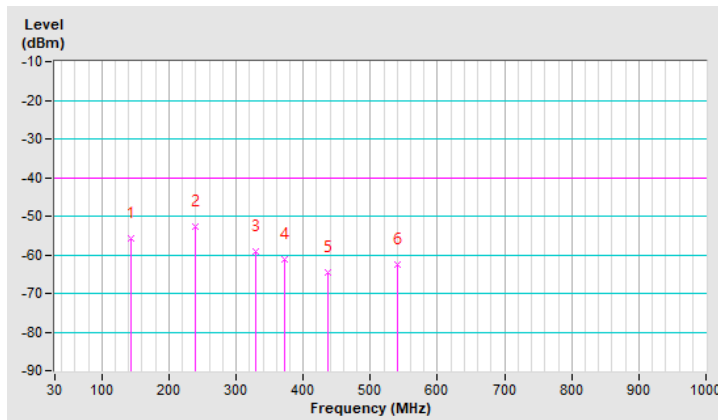
LTE Band 48, Channel Bandwidth: 20MHz

RF Mode	TX LTE Band XLVIII-20MHz	Channel	CH 55990 : 3625.0 MHz
Frequency Range	30MHz ~ 1GHz		

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	143.49	-55.60	-40.00	-15.60	1.01 H	268	53.06	-108.66
2	239.52	-52.76	-40.00	-12.76	1.01 H	180	57.61	-110.37
3	329.73	-59.28	-40.00	-19.28	1.01 H	253	47.98	-107.26
4	371.44	-61.13	-40.00	-21.13	1.50 H	349	45.23	-106.36
5	436.43	-64.60	-40.00	-24.60	2.00 H	48	39.96	-104.56
6	541.19	-62.68	-40.00	-22.68	1.50 H	110	40.03	-102.71

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.



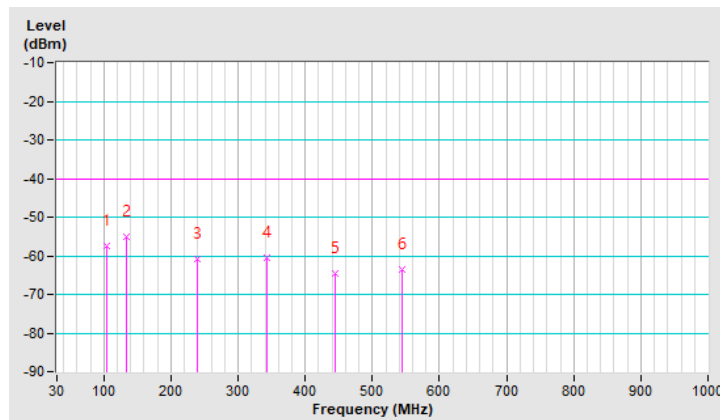
RF Mode	TX LTE Band XLVIII-20MHz	Channel	CH 55990 : 3625.0 MHz
Frequency Range	30MHz ~ 1GHz		

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	103.72	-57.48	-40.00	-17.48	1.01 V	149	54.90	-112.38
2	133.79	-55.23	-40.00	-15.23	1.01 V	229	54.10	-109.33
3	239.52	-60.92	-40.00	-20.92	1.50 V	78	49.45	-110.37
4	342.34	-60.51	-40.00	-20.51	1.01 V	230	46.65	-107.16
5	444.19	-64.68	-40.00	-24.68	2.00 V	2	39.67	-104.35
6	544.10	-63.60	-40.00	-23.60	1.50 V	280	39.05	-102.65

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 48

RF Mode	TX LTE Band XLVIII-20MHz	Channel	CH 55990 : 3625.0 MHz
Frequency Range	1GHz ~ 40GHz		

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	7250.00	-50.38	-40.00	-10.38	1.77 H	144	38.62	-89.00

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	7250.00	-50.89	-40.00	-10.89	1.38 V	295	38.11	-89.00

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 accredited and approved according to ISO/IEC 17025.

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

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

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