Supplemental “Transmit Simultaneously” Test Report

Report No.:	RF200605E14-3
FCC ID:	K7S-03628
Test Model:	MR9600 V2
Series Model:	MR9610 V2, EA9350 V2
Received Date:	June 05, 2020
Test Date:	Sep. 26 to 29, 2020
Issued Date:	Nov. 09, 2020
Applicant:	Belkin International, Inc.
Address:	12045 East Waterfront Drive Playa Vista, CA. 90094, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / Designation Number:	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RF200605E14-3	Original release.	Nov. 09, 2020

1 Certificate of Conformity

Product:	Dual-Band 802.11ax Wireless Router
Brand:	Linksys
Test Model:	MR9600 V2
Series Model:	MR9610 V2, EA9350 V2
Sample Status:	ENGINEERING SAMPLE
Applicant:	Belkin International, Inc.
Test Date:	Sep. 26 to 29, 2020
Standards:	47 CFR FCC Part 15, Subpart C (Section 15.247) 47 CFR FCC Part 15, Subpart E (Section 15.407) ANSI C63.10: 2013

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 EMC characteristics under the conditions specified in this report.

Prepared by : Vivian Huang , **Date:** Nov. 09, 2020

Vivian Huang / Specialist

Approved by : , **Date:** Nov. 09, 2020

Clark Lin / Technical Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C, E (SECTION 15.247, 15.407)			
FCC Clause	Test Item	Result	Remarks
15.207 15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -14.34 dB at 0.15410 MHz.
15.205 / 15.209 / 15.247(d) 15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -4.2 dB at 300.03 MHz and 44.66 MHz.

Note:
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) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.4 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.0 dB
	18GHz ~ 40GHz	5.3 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Dual-Band 802.11ax Wireless Router
Brand	Linksys
Test Model	MR9600 V2
Series Model	MR9610 V2, EA9350 V2
Status of EUT	ENGINEERING SAMPLE
Driver version	17.10.99.17(r780087 WLTEST)
Power Supply Rating	12Vdc from power adapter
Modulation Type	**WLAN:** CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz 1024QAM for OFDMA in 11ax HE mode **BT-LE:** GFSK
Modulation Technology	**WLAN:** DSSS, OFDM, OFDMA **BT-LE:** DTS
Transfer Rate	**WLAN:** 802.11b: up to 11 Mbps 802.11a/g: up to 54 Mbps 802.11n: up to 600 Mbps 802.11ac: up to 3466.7 Mbps 802.11ax: up to 4803.9 Mbps **BT-LE:** Up to 1 Mbps
Operating Frequency	**WLAN:** **2.4GHz:** 2.412 ~ 2.462 GHz **5GHz:** 5.18~5.32 GHz, 5.50~5.70 GHz, 5.745 ~ 5.825 GHz **BT-LE:** 2.402 ~ 2.480 GHz
Number of Channel	**WLAN:** **2.4GHz:** 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 11 802.11n (HT40), VHT40, 802.11ax (HE40): 7 **5GHz:** 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 24 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 11 802.11ac (VHT80), 802.11ax (HE80): 5 802.11ac (VHT160), 802.11ax (HE160): 2 **BT-LE:** 40
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	Adapter x1
Data Cable Supplied	RJ45 cable x1 (Unshielded, 1m)

Note:

1. The EUT has three model names, which are identical to each other in all aspects except for the following information:

Brand Name	Model Name	Difference
Linksys	MR9610 V2	For marketing
	EA9350 V2	
	MR9600 V2	

From the above models, model: **MR9600 V2** was selected as representative model for the test and its data are recorded in this report.

2. The EUT has below radios as following table:

Radio 1	Radio 2	Radio 3
WLAN 2.4GHz	WLAN 5GHz	Bluetooth

3. Simultaneously transmission condition.

Condition	Technology	
1	WLAN (2.4GHz)	WLAN (5GHz)
2	WLAN (2.4GHz)	Bluetooth
3	WLAN (5GHz)	Bluetooth
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

4. The EUT must be supplied one power adapter and following different models could be chosen as following table:

No.	Brand	Model name	Spec	plug
1	LEI	MU48AY120400-A1	Intput: 100-240Vac, 50/60Hz, 1.5A Output: 12Vdc, 4A Output Cable: Unshielded, 1.5m	US
2	Ktec	KSAS0501200400HU	Intput: 100-240Vac, 50/60Hz, 1.2A Output: 12Vdc, 4A Output Cable: Unshielded, 1.5m	US
3	APD	DA-48T12	Intput: 100-240Vac, 50/60Hz, 1.4A Output: 12Vdc, 4A Output Cable: Unshielded, 1.5m	US/EU/UK (Detachable)
4	Ktec	KSAS0501200400M2	Intput: 100-240Vac, 50/60Hz, 1.2A Output: 12Vdc, 4A Output Cable: Unshielded, 1.5m	US/EU/UK (Detachable)
Note: 1. From the above models, the worst Radiated Emissions and Conducted Emissions test was found in Adapter 1. Therefore only the test data of the modes were recorded in this report.				

5. The antennas provided to the EUT, please refer to the following table:

Antenna No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
1	4.04 3.31	2.4~2.4835GHz 5.15-5.85GHz	Dipole	i-pex(MHF)
2	3.66 3.31	2.4~2.4835GHz 5.15-5.85GHz	Dipole	i-pex(MHF)
3	3.66 3.25	2.4~2.4835GHz 5.15-5.85GHz	Dipole	i-pex(MHF)
4	3.33 3.23	2.4~2.4835GHz 5.15-5.85GHz	Dipole	i-pex(MHF)
Bluetooth	2.7	2.4~2.4835GHz	PIFA	-

6. The EUT incorporates a MIMO function:

2.4GHz Band		
MODULATION MODE	**TX & RX CONFIGURATION**	
802.11b	4TX	4RX
802.11g	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
VHT20	4TX	4RX
VHT40	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
5GHz Band		
MODULATION MODE	**TX & RX CONFIGURATION**	
802.11a	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ac (VHT20)	4TX	4RX
802.11ac (VHT40)	4TX	4RX
802.11ac (VHT80)	4TX	4RX
802.11ac (VHT160)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX
802.11ax (HE160)	4TX	4RX

Note:
1. All of modulation mode support beamforming function except802.11a/b/g modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.

7. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.
8. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.1.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION
	RE≥1G	RE<1G	PLC	
-	√	√	√	-

Where **RE≥1G:** Radiated Emission above 1GHz & Bandedge Measurement **RE<1G:** Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

Note: The EUT had been pre-tested on the positioned of laying-flat and wall-mount. The worst case was found when positioned of on laying-flat.

Radiated Emission Test (Above 1GHz):

☒ The tested configurations represent the worst-case mode from all possible combinations by the maximum power.

☒ Following channel(s) was (were) selected for the final test as listed below.

Configure Mode	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
1	2.4GHz: 802.11ax (HE20) + 5GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
		36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
2	2.4GHz: 802.11ax (HE20) + BT-LE 1M	1 to 11	6	OFDMA	BPSK
		0 to 39	19	-	GFSK
3	5GHz: 802.11ax (HE20) + BT-LE 1M	36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
		0 to 39	19	-	GFSK

Radiated Emission Test (Below 1GHz):

☒ The tested configurations represent the worst-case mode from all possible combinations by the maximum power.

☒ Following channel(s) was (were) selected for the final test as listed below.

Configure Mode	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
1	2.4GHz: 802.11ax (HE20) + 5GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
		36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
2	2.4GHz: 802.11ax (HE20) + BT-LE 1M	1 to 11	6	OFDMA	BPSK
		0 to 39	19	-	GFSK
3	5GHz: 802.11ax (HE20) + BT-LE 1M	36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
		0 to 39	19	-	GFSK

Power Line Conducted Emission Test:

☒ The tested configurations represent the worst-case mode from all possible combinations by the maximum power.

☒ Following channel(s) was (were) selected for the final test as listed below.

Configure Mode	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
1	2.4GHz: 802.11ax (HE20) + 5GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
		36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
2	2.4GHz: 802.11ax (HE20) + BT-LE 1M	1 to 11	6	OFDMA	BPSK
		0 to 39	19	-	GFSK
3	5GHz: 802.11ax (HE20) + BT-LE 1M	36 to 64 100 to 140 149 to 165	165	OFDMA	BPSK
		0 to 39	19	-	GFSK

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE≥1G	25deg. C, 75%RH	120Vac, 60Hz	Gary Cheng
RE<1G	26deg. C, 68%RH	120Vac, 60Hz	Tom Yang
PLC	26deg. C, 68%RH	120Vac, 60Hz	Tom Yang

3.2 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.

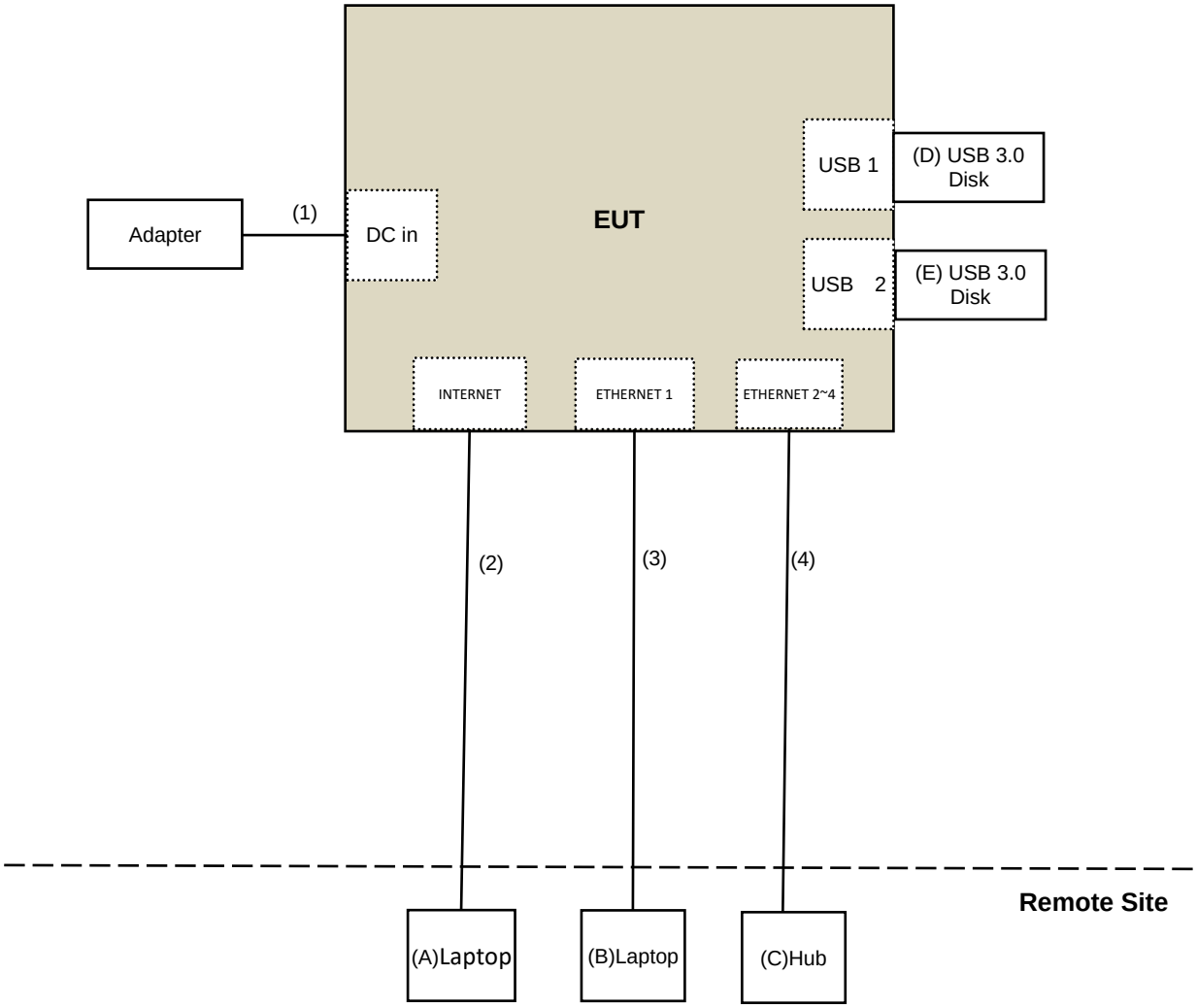
ID	Product	Brand	Model No.	Serial No	FCC ID	Remarks
A.	Laptop	WONDER	WD-303	7C17KA 04011	NA	Provided by Lab
B.	Laptop	DELL	E5430	HYV4VY1	FCC DoC	Provided by Lab
C.	HUB	ZyXEL	GS1100-16	S150H44000046	FCC DoC	Provided by Lab
D.	USB 3.0 Disk	SanDisk	SDCZ73-032G-G46	NA	NA	Provided by Lab
E.	USB 3.0 Disk	SanDisk	SDCZ73-032G-G46	NA	NA	Provided by Lab

Note:

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

ID	Descriptions (Cables)	Qty	Length (m)	Shielding (Yes/No)	Cores (Number)	Remarks
1	DC Cable	1	1.5	No	0	Supplied by client
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	RJ-45 Cable	1	10	No	0	Provided by Lab
4	RJ-45 Cable	3	10	No	0	Provided by Lab

3.2.1 Configuration of System under Test



4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4
5725~5850 MHz	15.407(b)(4)(i)	PK: -27 (dBm/MHz) *1 PK: 10 (dBm/MHz) *2 PK: 15.6 (dBm/MHz) *3 PK: 27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK: 105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK: 122.2 (dBμV/m) *4

*1 beyond 75 MHz or more above of the band edge.
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

4.1.2 Test Instruments

For Radiated Emission test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 06, 2020	July 05, 2021
Pre-Amplifier EMCI	EMC001340	980142	May 25, 2020	May 24, 2021
Loop Antenna Electro-Metrics	EM-6879	264	Feb. 18, 2020	Feb. 17, 2021
RF Cable	NA	LOOPCAB-001	Jan. 08, 2020	Jan. 07, 2021
RF Cable	NA	LOOPCAB-002	Jan. 08, 2020	Jan. 07, 2021
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	Apr. 28, 2020	Apr. 27, 2021
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 11, 2019	Nov. 10, 2020
RF Cable	8D	966-3-1	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-2	Mar. 17, 2020	Mar. 16, 2021
RF Cable	8D	966-3-3	Mar. 17, 2020	Mar. 16, 2021
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 24, 2020	Sep. 23, 2021
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Nov. 24, 2019	Nov. 23, 2020
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC104-SM-SM-1500	180504	Apr. 29, 2020	Apr. 28, 2021
RF Cable	EMC104-SM-SM-2000	180601	June 09, 2020	June 08, 2021
RF Cable	EMC104-SM-SM-6000	180602	June 09, 2020	June 08, 2021
Spectrum Analyzer Keysight	N9030A	MY54490679	July 13, 2020	July 12, 2021
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 15, 2020	Jan. 14, 2021
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170519	Nov. 24, 2019	Nov. 23, 2020
RF Cable	EMC102-KM-KM-1200	160924	Jan. 15, 2020	Jan. 14, 2021
RF Cable	EMC-KM-KM-4000	200214	Mar. 11, 2020	Mar. 10, 2021
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA

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 966 Chamber No. 3.
3. Tested Date: Sep. 26 to 29, 2020

4.1.3 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. 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.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

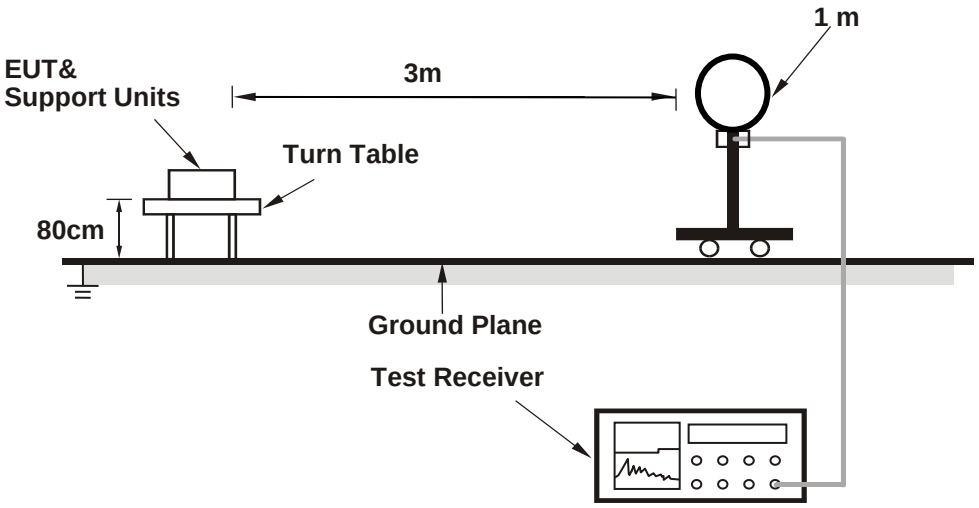
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

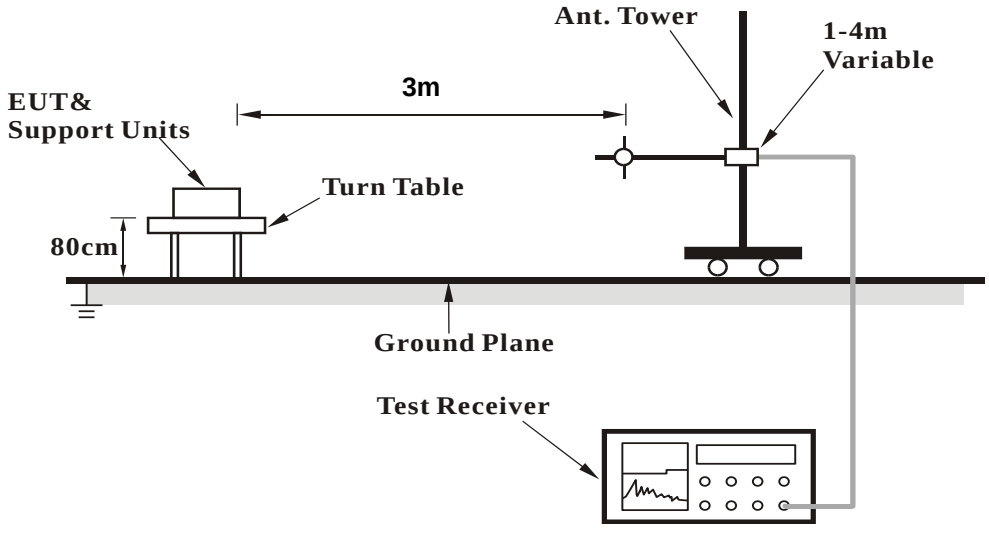
No deviation.

4.1.5 Test Setup

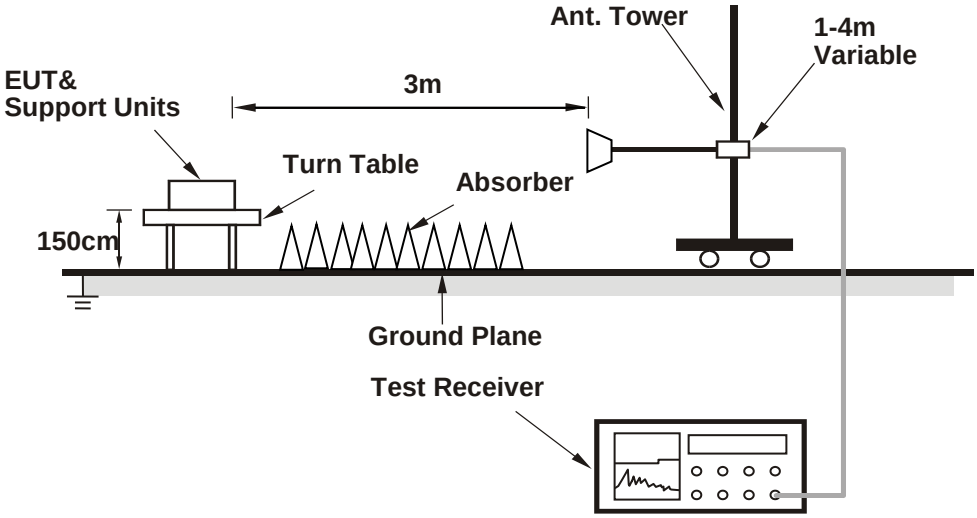
For Radiated emission below 30MHz



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).

4.1.6 EUT Operating Conditions

a. Connected the EUT with the Laptop which is placed on on remote site.
b. Controlling software (MTool 3.2.0.2) has been activated to set the EUT under transmission condition continuously.

4.1.7 Test Results (Mode 1)

Above 1GHz Data:

Frequency Range	1GHz ~ 40GHz	**Detector Function**	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4874.00	51.2 PK	74.0	-22.8	2.67 H	274	48.0	3.2
2	4874.00	39.8 AV	54.0	-14.2	2.67 H	274	36.6	3.2
3	7311.00	53.5 PK	74.0	-20.5	1.84 H	322	44.1	9.4
4	7311.00	42.5 AV	54.0	-11.5	1.84 H	322	33.1	9.4
5	11650.00	51.2 PK	74.0	-22.8	1.59 H	272	37.2	14.0
6	11650.00	39.4 AV	54.0	-14.6	1.59 H	272	25.4	14.0
7	#17475.00	56.5 PK	68.2	-11.7	2.04 H	170	37.7	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4874.00	51.5 PK	74.0	-22.5	1.12 V	292	48.3	3.2
2	4874.00	39.7 AV	54.0	-14.3	1.12 V	292	36.5	3.2
3	7311.00	54.6 PK	74.0	-19.4	1.32 V	274	45.2	9.4
4	7311.00	43.3 AV	54.0	-10.7	1.32 V	274	33.9	9.4
5	11650.00	53.2 PK	74.0	-20.8	1.09 V	150	39.2	14.0
6	11650.00	41.9 AV	54.0	-12.1	1.09 V	150	27.9	14.0
7	#17475.00	59.1 PK	68.2	-9.1	1.13 V	67	40.3	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

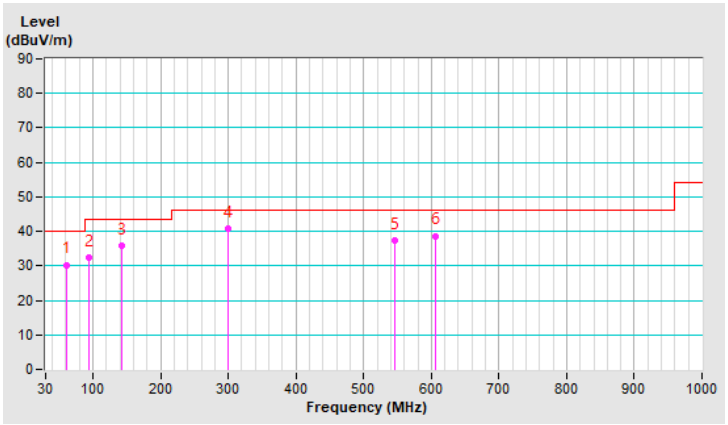
Below 1GHz Data:

Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	60.43	30.3 QP	40.0	-9.7	2.00 H	16	38.6	-8.3
2	93.42	32.3 QP	43.5	-11.2	2.00 H	276	45.1	-12.8
3	141.72	35.9 QP	43.5	-7.6	1.50 H	145	43.1	-7.2
4	300.02	40.8 QP	46.0	-5.2	1.00 H	214	46.6	-5.8
5	545.10	37.2 QP	46.0	-8.8	2.00 H	5	36.6	0.6
6	605.57	38.7 QP	46.0	-7.3	1.50 H	183	36.5	2.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

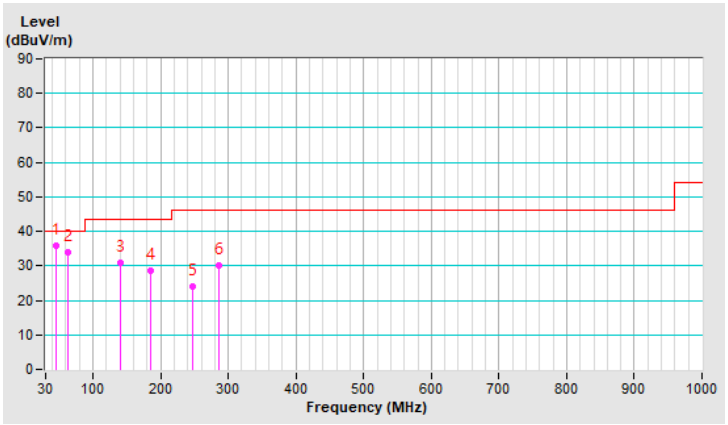


Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**44.66**	**35.8 QP**	**40.0**	**-4.2**	**1.00 V**	**255**	**43.5**	**-7.7**
2	62.96	33.9 QP	40.0	-6.1	1.50 V	0	42.5	-8.6
3	141.07	30.9 QP	43.5	-12.6	1.50 V	333	38.2	-7.3
4	184.40	28.6 QP	43.5	-14.9	1.00 V	23	37.5	-8.9
5	248.07	23.9 QP	46.0	-22.1	1.50 V	219	31.9	-8.0
6	286.00	30.0 QP	46.0	-16.0	2.00 V	233	36.4	-6.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.8 Test Results (Mode 2)

Above 1GHz Data:

Frequency Range	1GHz ~ 25GHz	**Detector Function**	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4874.00	50.8 PK	74.0	-23.2	2.66 H	265	47.6	3.2
2	4874.00	39.3 AV	54.0	-14.7	2.66 H	265	36.1	3.2
3	4880.00	39.9 PK	74.0	-34.1	2.24 H	78	36.7	3.2
4	4880.00	28.0 AV	54.0	-26.0	2.24 H	78	24.8	3.2
5	7311.00	53.3 PK	74.0	-20.7	1.79 H	299	43.9	9.4
6	7311.00	42.2 AV	54.0	-11.8	1.79 H	299	32.8	9.4
7	7320.00	45.5 PK	74.0	-28.5	1.66 H	76	36.1	9.4
8	7320.00	33.8 AV	54.0	-20.2	1.66 H	76	24.4	9.4
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4874.00	51.4 PK	74.0	-22.6	1.13 V	313	48.2	3.2
2	4874.00	39.9 AV	54.0	-14.1	1.13 V	313	36.7	3.2
3	4880.00	39.9 PK	74.0	-34.1	1.74 V	208	36.7	3.2
4	4880.00	28.0 AV	54.0	-26.0	1.74 V	208	24.8	3.2
5	7311.00	54.0 PK	74.0	-20.0	1.34 V	277	44.6	9.4
6	7311.00	42.9 AV	54.0	-11.1	1.34 V	277	33.5	9.4
7	7320.00	45.6 PK	74.0	-28.4	1.94 V	125	36.2	9.4
8	7320.00	33.8 AV	54.0	-20.2	1.94 V	125	24.4	9.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

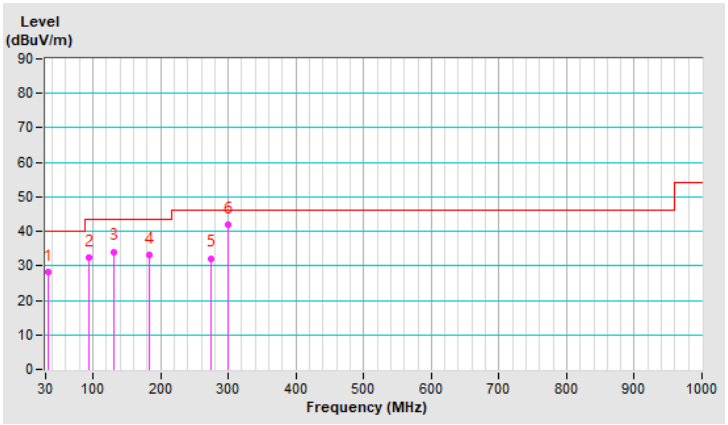
Below 1GHz Data:

Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.67	28.2 QP	40.0	-11.8	1.00 H	79	36.8	-8.6
2	93.51	32.4 QP	43.5	-11.1	2.00 H	261	45.2	-12.8
3	131.67	34.1 QP	43.5	-9.4	1.50 H	138	42.2	-8.1
4	183.63	33.0 QP	43.5	-10.5	1.00 H	279	41.9	-8.9
5	274.76	32.2 QP	46.0	-13.8	1.00 H	164	39.1	-6.9
6	**300.03**	**41.8 QP**	**46.0**	**-4.2**	**1.00 H**	**214**	**47.6**	**-5.8**

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

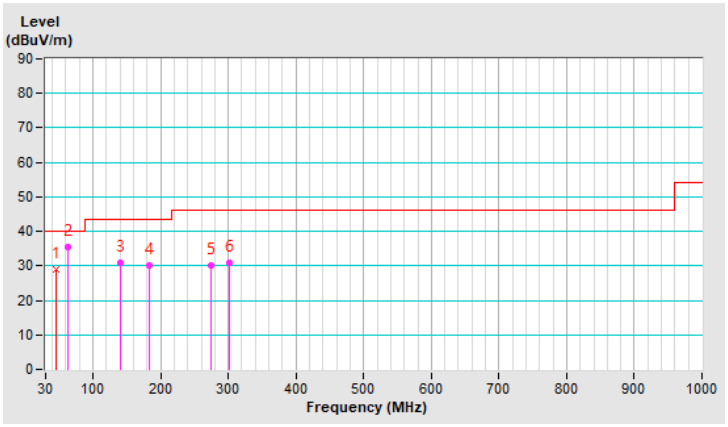


Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	46.39	28.8 QP	40.0	-11.2	1.00 V	67	36.5	-7.7
2	62.83	35.3 QP	40.0	-4.7	1.50 V	192	43.9	-8.6
3	140.98	30.9 QP	43.5	-12.6	2.00 V	160	38.2	-7.3
4	184.02	30.2 QP	43.5	-13.3	1.50 V	179	39.1	-8.9
5	274.72	30.0 QP	46.0	-16.0	1.50 V	259	36.9	-6.9
6	301.12	31.0 QP	46.0	-15.0	1.50 V	224	36.8	-5.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.9 Test Results (Mode 3)

Above 1GHz Data:

Frequency Range	1GHz ~ 40GHz	**Detector Function**	Peak (PK) Average (AV)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4880.00	51.2 PK	74.0	-22.8	2.63 H	265	48.0	3.2
2	4880.00	38.6 AV	54.0	-15.4	2.63 H	265	35.4	3.2
3	7320.00	53.5 PK	74.0	-20.5	1.99 H	300	44.1	9.4
4	7320.00	41.0 AV	54.0	-13.0	1.99 H	300	31.6	9.4
5	11650.00	51.9 PK	74.0	-22.1	1.51 H	267	37.9	14.0
6	11650.00	39.7 AV	54.0	-14.3	1.51 H	267	25.7	14.0
7	#17475.00	56.4 PK	68.2	-11.8	2.06 H	154	37.6	18.8
Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**Emission Level (dBuV/m)**	**Limit (dBuV/m)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	4880.00	39.9 PK	74.0	-34.1	1.65 V	232	36.7	3.2
2	4880.00	28.1 AV	54.0	-25.9	1.65 V	232	24.9	3.2
3	7320.00	45.1 PK	74.0	-28.9	1.93 V	146	35.7	9.4
4	7320.00	33.3 AV	54.0	-20.7	1.93 V	146	23.9	9.4
5	11650.00	53.3 PK	74.0	-20.7	1.16 V	128	39.3	14.0
6	11650.00	42.0 AV	54.0	-12.0	1.16 V	128	28.0	14.0
7	#17475.00	58.9 PK	68.2	-9.3	1.06 V	86	40.1	18.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.

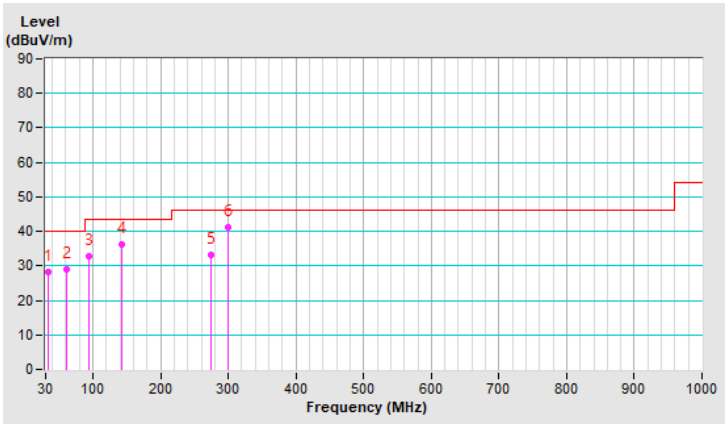
Below 1GHz Data:

Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.75	28.1 QP	40.0	-11.9	1.50 H	69	36.7	-8.6
2	60.46	29.0 QP	40.0	-11.0	1.00 H	21	37.3	-8.3
3	93.55	32.8 QP	43.5	-10.7	2.00 H	275	45.6	-12.8
4	141.65	36.2 QP	43.5	-7.3	1.50 H	170	43.4	-7.2
5	274.76	33.1 QP	46.0	-12.9	1.00 H	191	40.0	-6.9
6	300.02	41.1 QP	46.0	-4.9	1.00 H	225	46.9	-5.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

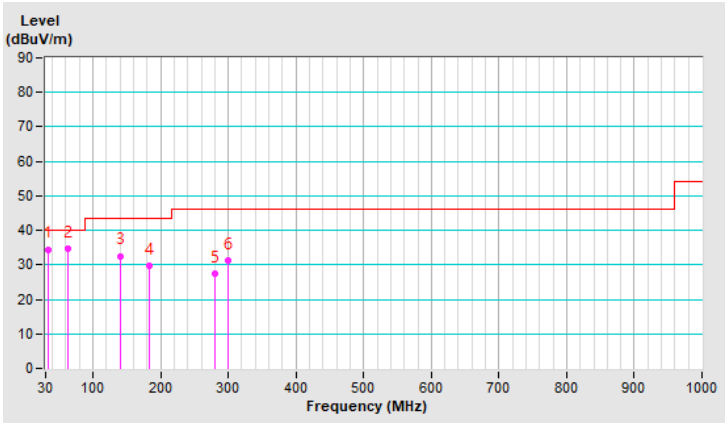


Frequency Range	9kHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.41	34.5 QP	40.0	-5.5	1.50 V	182	43.1	-8.6
2	62.85	34.7 QP	40.0	-5.3	1.50 V	155	43.3	-8.6
3	141.22	32.6 QP	43.5	-10.9	1.50 V	29	39.8	-7.2
4	183.98	29.7 QP	43.5	-13.8	2.00 V	195	38.6	-8.9
5	279.53	27.6 QP	46.0	-18.4	1.00 V	98	34.2	-6.6
6	300.03	31.2 QP	46.0	-14.8	2.00 V	61	37.0	-5.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1.The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 19, 2020	Mar. 18, 2021
50 ohms Terminator	50	3	Oct. 23, 2019	Oct. 22, 2020
RF Cable	5D-FB	COCCAB-001	Sep. 26, 2020	Sep. 25, 2021
Fixed attenuator EMCI	STI02-2200-10	005	Aug. 29, 2020	Aug. 28, 2021
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:
1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. Tested Date: Sep. 29, 2020

4.2.3 Test Procedures

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

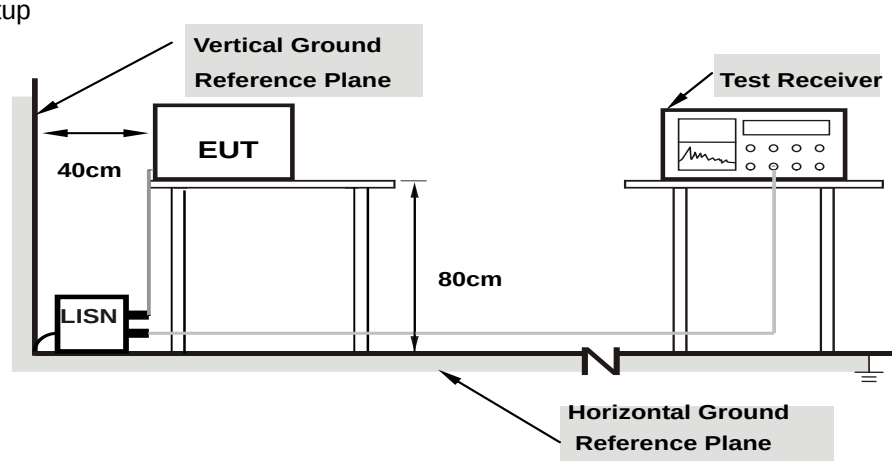
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

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

4.2.6 EUT Operating Conditions

Same as 4.1.6.

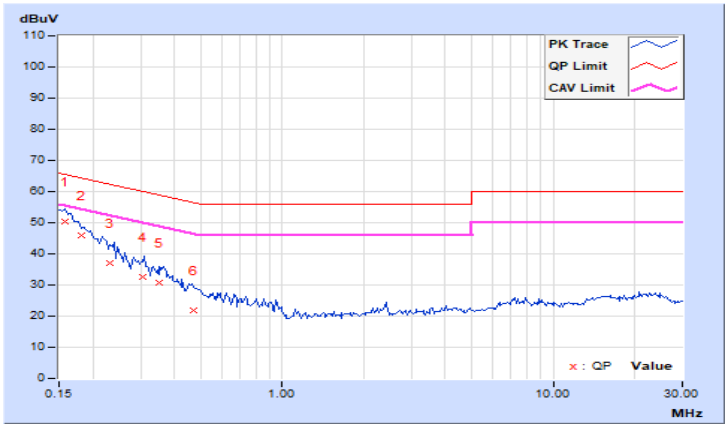
4.2.7 Test Results (Mode 1)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.92	40.36	22.61	50.28	32.53	65.58	55.58	-15.30	-23.05
2	0.18125	9.94	35.85	16.77	45.79	26.71	64.43	54.43	-18.64	-27.72
3	0.23203	9.95	27.20	10.23	37.15	20.18	62.38	52.38	-25.23	-32.20
4	0.30625	9.97	22.60	9.09	32.57	19.06	60.07	50.07	-27.50	-31.01
5	0.34922	9.97	20.86	8.71	30.83	18.68	58.98	48.98	-28.15	-30.30
6	0.47031	9.98	11.78	0.11	21.76	10.09	56.51	46.51	-34.75	-36.42

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

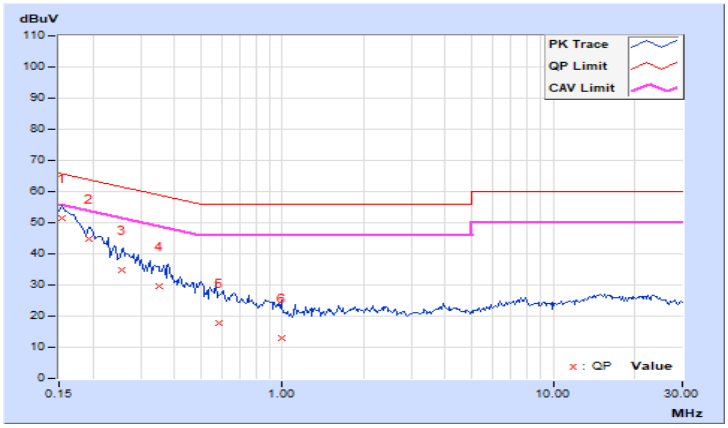


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.93	41.45	23.18	51.38	33.11	65.79	55.79	-14.41	-22.68
2	0.19297	9.96	34.73	16.79	44.69	26.75	63.91	53.91	-19.22	-27.16
3	0.25547	9.97	24.97	7.32	34.94	17.29	61.58	51.58	-26.64	-34.29
4	0.35109	9.99	19.68	6.91	29.67	16.90	58.94	48.94	-29.27	-32.04
5	0.58647	10.02	7.80	-3.29	17.82	6.73	56.00	46.00	-38.18	-39.27
6	0.98984	10.06	3.06	-2.56	13.12	7.50	56.00	46.00	-42.88	-38.50

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



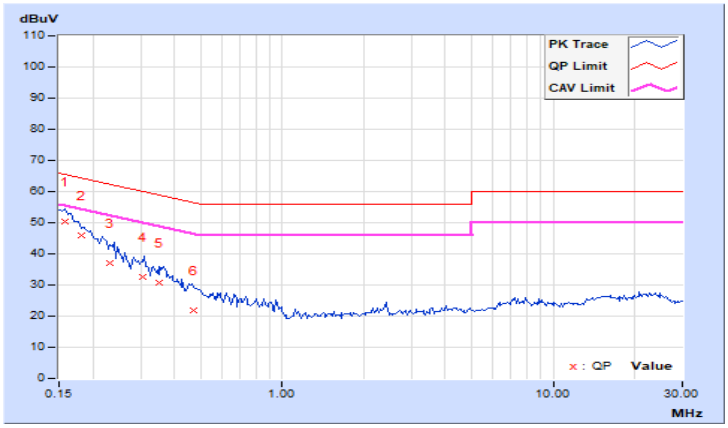
4.2.8 Test Results (Mode 2)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15773	9.92	40.41	22.58	50.33	32.50	65.58	55.58	-15.25	-23.08
2	0.18145	9.94	35.91	16.71	45.85	26.65	64.42	54.42	-18.57	-27.77
3	0.23215	9.95	27.24	10.27	37.19	20.22	62.37	52.37	-25.18	-32.15
4	0.30636	9.97	22.53	9.17	32.50	19.14	60.07	50.07	-27.57	-30.93
5	0.34929	9.97	20.81	8.64	30.78	18.61	58.98	48.98	-28.20	-30.37
6	0.47057	9.98	11.82	0.17	21.80	10.15	56.50	46.50	-34.70	-36.35

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

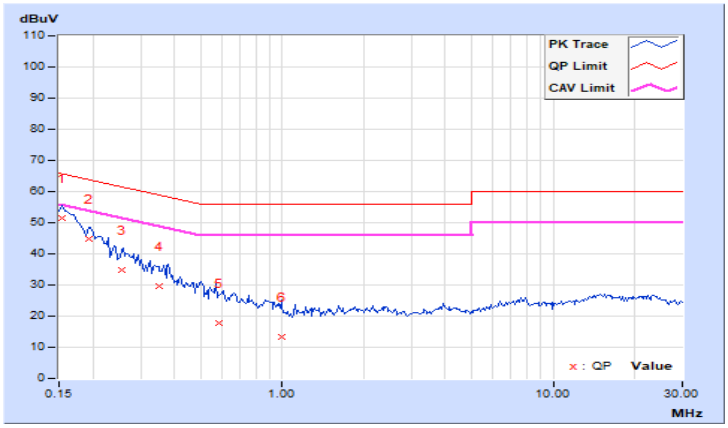


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15403	9.93	41.49	23.21	51.42	33.14	65.78	55.78	-14.36	-22.64
2	0.19300	9.96	34.70	16.76	44.66	26.72	63.91	53.91	-19.25	-27.19
3	0.25554	9.97	25.02	7.39	34.99	17.36	61.58	51.58	-26.59	-34.22
4	0.35115	9.99	19.74	6.98	29.73	16.97	58.94	48.94	-29.21	-31.97
5	0.58654	10.02	7.89	-3.21	17.91	6.81	56.00	46.00	-38.09	-39.19
6	0.98995	10.06	3.16	-2.64	13.22	7.42	56.00	46.00	-42.78	-38.58

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



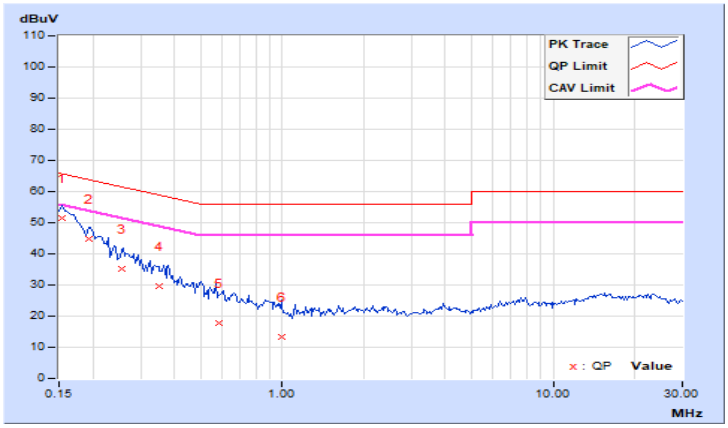
4.2.9 Test Results (Mode 3)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.15410**	**9.92**	**41.52**	**23.26**	**51.44**	**33.18**	**65.78**	**55.78**	**-14.34**	**-22.60**
2	0.19294	9.95	34.68	16.72	44.63	26.67	63.91	53.91	-19.28	-27.24
3	0.25551	9.96	25.09	7.42	35.05	17.38	61.58	51.58	-26.53	-34.20
4	0.35111	9.97	19.78	6.91	29.75	16.88	58.94	48.94	-29.19	-32.06
5	0.58658	9.99	7.84	-3.24	17.83	6.75	56.00	46.00	-38.17	-39.25
6	0.98999	10.02	3.20	-2.57	13.22	7.45	56.00	46.00	-42.78	-38.55

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

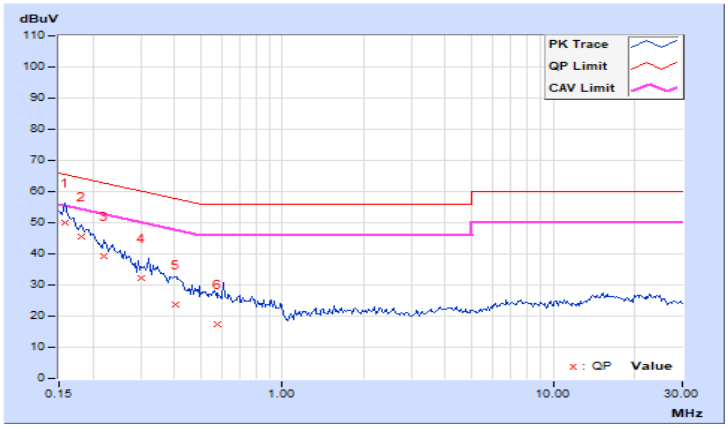


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.93	40.07	22.01	50.00	31.94	65.58	55.58	-15.58	-23.64
2	0.18125	9.95	35.45	16.01	45.40	25.96	64.43	54.43	-19.03	-28.47
3	0.22031	9.96	29.19	12.52	39.15	22.48	62.81	52.81	-23.66	-30.33
4	0.30212	9.98	22.22	6.32	32.20	16.30	60.18	50.18	-27.98	-33.88
5	0.40391	10.00	13.60	-2.54	23.60	7.46	57.77	47.77	-34.17	-40.31
6	0.57888	10.02	7.24	-3.15	17.26	6.87	56.00	46.00	-38.74	-39.13

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



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 according to ISO/IEC 17025.

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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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