

Supplemental “Transmit Simultaneously” Test Report

Report No.: RFBBQZ-WTW-P22010396-4

FCC ID: PY322100555

Test Model: RAX50v2, RAX43v2, XR1000v2

Series Model: RAX42v2, RAX41v2

Received Date: 2022/1/7

Test Date: 2022/3/25 ~ 2022/4/1

Issued Date: 2022/5/13

**Applicant and
Manufacturer:** NETGEAR, Inc.

Address: 350 East Plumeria Drive San Jose, CA 95134

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,
Taiwa.

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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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
3.1.1 Test Mode Applicability and Tested Channel Detail	9
3.2 Description of Support Units	11
3.2.1 Configuration of System under Test	11
4 Test Types and Results	12
4.1 Radiated Emission and Bandedge Measurement	12
4.1.1 Limits of Radiated Emission and Bandedge Measurement	12
4.1.2 Test Instruments	13
4.1.3 Test Procedures	15
4.1.4 Deviation from Test Standard	15
4.1.5 Test Setup	16
4.1.6 EUT Operating Conditions	17
4.1.7 Test Results (Mode A)	18
4.1.8 Test Results (Mode B)	21
4.1.9 Test Results (Mode C)	24
4.2 Conducted Emission Measurement	26
4.2.1 Limits of Conducted Emission Measurement	26
4.2.2 Test Instruments	26
4.2.3 Test Procedures	27
4.2.4 Deviation from Test Standard	27
4.2.5 Test Setup	27
4.2.6 EUT Operating Conditions	27
4.2.7 Test Results (Mode A)	28
4.2.8 Test Results (Mode B)	30
4.2.9 Test Results (Mode C)	32
4.3 Conducted Out of Band Emission Measurement	34
4.3.1 Limits of Conducted Out of Band Emission Measurement	34
4.3.2 Test Setup	34
4.3.3 Test Instruments	34
4.3.4 Test Procedures	34
4.3.5 Deviation from Test Standard	34
4.3.6 EUT Operating Conditions	34
4.3.7 Test Results	34
5 Pictures of Test Arrangements	36
Appendix – Information of the Testing Laboratories	37



Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P22010396-4	Original release.	2022/5/13

1 Certificate of Conformity

Product: Nighthawk AX6 AX5400 6-Stream WiFi Router,
Nighthawk AX5 AX4200 5-Stream WiFi Router,
Nighthawk AX5 AX3600 5-Stream WiFi Router,
Nighthawk Pro Gaming Router

Brand: NETGEAR

Test Model: RAX50v2, RAX43v2, XR1000v2

Series Model: RAX42v2, RAX41v2

Sample Status: Engineering sample

**Applicant and
Manufacturer:** NETGEAR, Inc.

Test Date: 2022/3/25 ~ 2022/4/1

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:** 2022/5/13
Vivian Huang / Specialist

Approved by : May Chen , **Date:** 2022/5/13
May Chen / Manager

2 Summary of Test Results

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 -15.28dB at 0.15391MHz.
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 -5.7dB at 440.01MHz.

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) (\pm)
Conducted Emissions at mains ports	150kHz ~ 30MHz	1.9 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.1 dB
	30MHz ~ 1GHz	5.5 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	5.1 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	NIGHTHAWK AX6 AX5400 6-Stream WiFi Router, NIGHTHAWK AX5 AX4200 5-Stream WiFi Router, NIGHTHAWK AX5 AX3600 5-Stream WiFi Router, NIGHTHAWK Pro Gaming Router
Brand	NETGEAR
Test Model	RAX50v2, RAX43v2, XR1000v2
Series Model	RAX42v2, RAX41v2
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from adapter
Modulation Type	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
Modulation Technology	DSSS, OFDM, OFDMA
Operating Frequency	2.4GHz: 2.412GHz ~ 2.462GHz 5GHz: 5.180 ~ 5.250 GHz, 5.260 ~ 5.320 GHz, 5.500 ~ 5.720 GHz, 5.745 ~ 5.825 GHz
Antenna Type	Refer to Note
Antenna Connector	Refer to Note

Note:

- The EUT has below model names which are identical to each other in all aspects except for the following table:

Product Name	Model Name	Description
NIGHTHAWK AX6 AX5400 6-Stream WiFi Router	RAX50v2	2.4GHz 2x2, 5G 4x4
NIGHTHAWK AX5 AX4200 5-Stream WiFi Router	RAX43v2	2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2)
NIGHTHAWK AX5 AX4200 5-Stream WiFi Router	RAX42v2	2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2)
NIGHTHAWK AX5 AX3600 5-Stream WiFi Router	RAX41v2	2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2)
NIGHTHAWK Pro Gaming Router	XR1000v2	XR1000v2 has a different housing with a different antenna and new functions like Geo-filter, new QoS, and network monitor. Note: RF function and MIMO spec is same as RAX50v2

Note: From the above models, model: **RAX50v2, RAX43v2, XR1000v2** were selected as representative model for the test and its data was recorded in this report.

- The EUT has below radios as following table:

Radio 1	Radio 2
WLAN 2.4GHz	WLAN 5GHz

- Simultaneously transmission condition.

Condition	Technology	
1	WLAN 2.4GHz	WLAN 5GHz

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

4. The EUT uses following accessories.

AC Adapter 1			
Brand	Model	Part Number	Specification
NETGEAR	ADS-40FPA-12	332-11525-02	AC Input : 100-120 50/60 1.0A DC Output : 12V 2.5A DC Output Cable : 1.8m non-shielded and without core Plug : FCC/Canada/Taiwan
AC Adapter 2			
Brand	Model	Part Number	Specification
NETGEAR	2ABL030F 1 NA	332-10758-02	AC Input : 100-120V 50/60Hz 1.0A DC Output : 12V 2.5A DC Output Cable : 1.8m non-shielded and without core Plug : FCC/Canada/Taiwan
RJ45 Cable			
Brand	Model	Specification	
NETGEAR	N/A	Signal Line : 1.8 m	
Note: From the above models, the radiated emissions & conducted emissions worst case were found in Model: ADS-40FPA-12 . Therefore only the test data of the mode was recorded in this report.			

5. The directional antenna gain, please refer to the following table:

Model: RAX50v2, XR1000v2			
Frequency Range (GHz)	Directional Antenna Gain (dBi)	Antenna Type	Antenna Connector
2.4~2.4835	3.73	Dipole	R-SMA
5.15 ~ 5.25	6.65		
5.25 ~ 5.35	6.69		
5.47 ~ 5.725	6.27		
5.725 ~ 5.85	6.57		
Model: RAX43v2			
Frequency Range (GHz)	Directional Antenna Gain (dBi)	Antenna Type	Antenna Connector
2.4~2.4835	3.73	Dipole	R-SMA
5.15 ~ 5.25	5.87		
5.25 ~ 5.35	6.4		
5.47 ~ 5.725	6.16		
5.725 ~ 5.85	6.18		
Note: More detailed information, please refer to antenna specification.			

6. The EUT incorporates a MIMO function:

2.4GHz Band		
MODULATION MODE	TX & RX CONFIGURATION	
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
5 GHz Band		
Model: RAX50v2, XR1000v2		
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
Model: RAX43v2		
MODULATION MODE	TX & RX CONFIGURATION	
802.11a	3TX	3RX
802.11n (HT20)	3TX	3RX
802.11n (HT40)	3TX	3RX
802.11ac (VHT20)	3TX	3RX
802.11ac (VHT40)	3TX	3RX
802.11ac (VHT80)	3TX	3RX
802.11ac (VHT160)	3TX	3RX
802.11ax (HE20)	3TX	3RX
802.11ax (HE40)	3TX	3RX
802.11ax (HE80)	3TX	3RX
802.11ax (HE160)	3TX	3RX

Note:

1. All of modulation mode support beamforming function except 802.11a/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 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.1.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To				Description
	RE \geq 1G	RE<1G	PLC	OB	
A	√	√	√	√	Model: RAX50v2
B	√	√	√	-	Model: RAX43v2
C	-	√	√	-	Model: XR1000v2

Where **RE \geq 1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission **OB**: Conducted Out-Band Emission Measurement

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
A, B	2.4GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
	+ 5GHz: 802.11ax (HE20)	36 to 64 100 to 144 149 to 165	40	OFDMA	BPSK

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
A, B, C	2.4GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
	+ 5GHz: 802.11ax (HE20)	36 to 64 100 to 144 149 to 165	40	OFDMA	BPSK

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
A, B, C	2.4GHz: 802.11ax (HE20) + 5GHz: 802.11ax (HE20)	1 to 11	6	OFDMA	BPSK
		36 to 64 100 to 144 149 to 165	40	OFDMA	BPSK

Conducted Out-Band Emission Measurement:

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.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE
A	2.4GHz: 802.11ax (HE20) + 5GHz: 802.11ax (HE20)	1 to 11	6	DSSS	DBPSK
		36 to 64 100 to 144 149 to 165	165	OFDMA	BPSK

Test Condition:

Applicable To	Environmental Conditions	INPUT POWER	Tested By
RE \geq 1G	20deg. C, 70%RH	120Vac, 60Hz	Viv Huang
RE $<$ 1G	22deg. C, 70%RH	120Vac, 60Hz	Ryan Du
PLC	25deg. C, 75%RH	120Vac, 60Hz	Ryan Du
OB	25deg. C, 60%RH	120Vac, 60Hz	Eric Peng

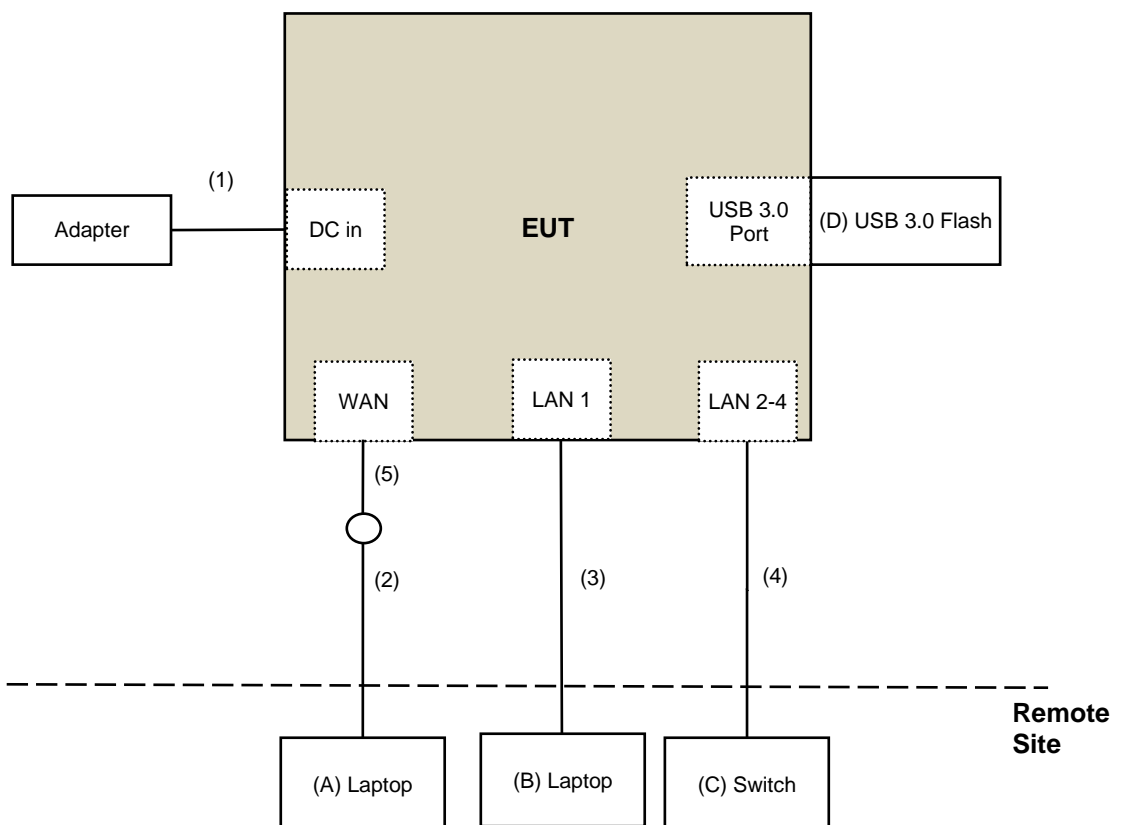
3.2 Description of Support Units

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	Lenovo	20U5S01X00 L14	PF-28LKK7	N/A	Provided by Lab
B	Laptop	Lenovo	20U5S01X00 L14	PF-1ANPYA	N/A	Provided by Lab
C	Switch	D-Link	DGS-1005D	DR8WC92000523	N/A	Provided by Lab
D	USB 3.0 Flash	Transcend	JetFlash 700	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	0	Supplied by applicant
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
5	RJ-45 Cable	1	1.8	No	0	Supplied by applicant

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:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 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}
^{*1} beyond 75 MHz or more above of the band edge. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 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:

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

4.1.2 Test Instruments

For Radiated Emission test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210202	2021/11/19	2022/11/18
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA
Pre_Amplifier EMCI	EMC001340	980142	2021/5/24	2022/5/23
LOOP ANTENNA Electro-Metrics	EM-6879	264	2022/3/18	2023/3/17
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-001	2022/1/6	2023/1/5
RF Coaxial Cable JYEBO	5D-FB	LOOPCAB-002	2022/1/6	2023/1/5
Pre_Amplifier EMCI	EMC330N	980701	2022/3/8	2023/3/7
Trilog Broadband Antenna Schwarzbeck	VULB 9168	9168-406	2021/10/27	2022/10/26
RF Coaxial Cable COMMATE/PEWC	8D	966-4-1	2022/3/8	2023/3/7
RF Coaxial Cable COMMATE/PEWC	8D	966-4-2	2022/3/8	2023/3/7
RF Coaxial Cable COMMATE/PEWC	8D	966-4-3	2022/3/8	2023/3/7
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-ATT5-03	2022/1/10	2023/1/9
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-783	2021/11/14	2022/11/13
Pre_Amplifier EMCI	EMC 12630 SE	980638	2021/4/7	2022/4/6
RF Cable-Frequency Range : 1-26.5GHz EMCI	EMC104-SM-SM-1200	160922	2021/12/24	2022/12/23
RF Coaxial Cable EMCI	EMC104-SM-SM-2000	180502	2021/4/26	2022/4/25
RF Coaxial Cable EMCI	EMC104-SM-SM-6000	210704	2021/11/9	2022/11/8
Pre_Amplifier EMCI	EMC184045SE	980387	2022/1/10	2023/1/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-739	2021/11/14	2022/11/13
RF Cable-Frequency range: 1-40GHz EMCI	EMC102-KM-KM-1200	160924	2022/1/10	2023/1/9
RF Coaxial Cable EMCI	EMC-KM-KM-4000	200214	2022/3/8	2023/3/7

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. 4.
3. Tested Date: 2022/4/1

For other test items:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	101516	2021/5/31	2022/5/30
Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	2021/4/13	2022/4/12
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA

- NOTE:**
1. The test was performed in Oven room 2.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 3. Tested Date: 2022/3/25

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 detects 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:

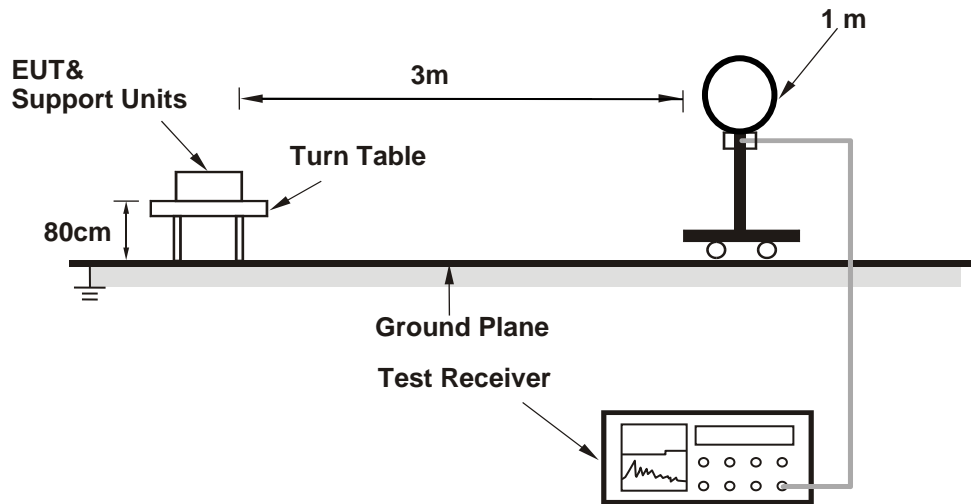
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) 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

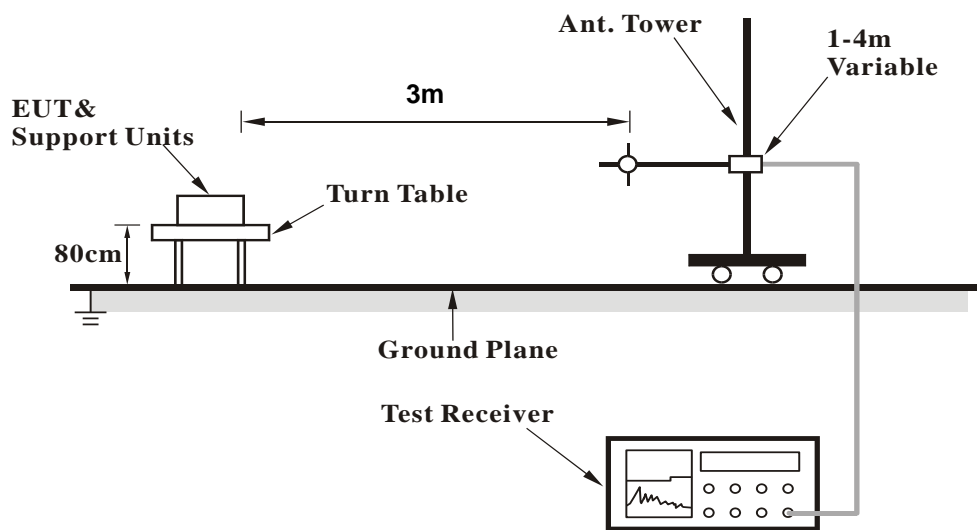
No deviation.

4.1.5 Test Setup

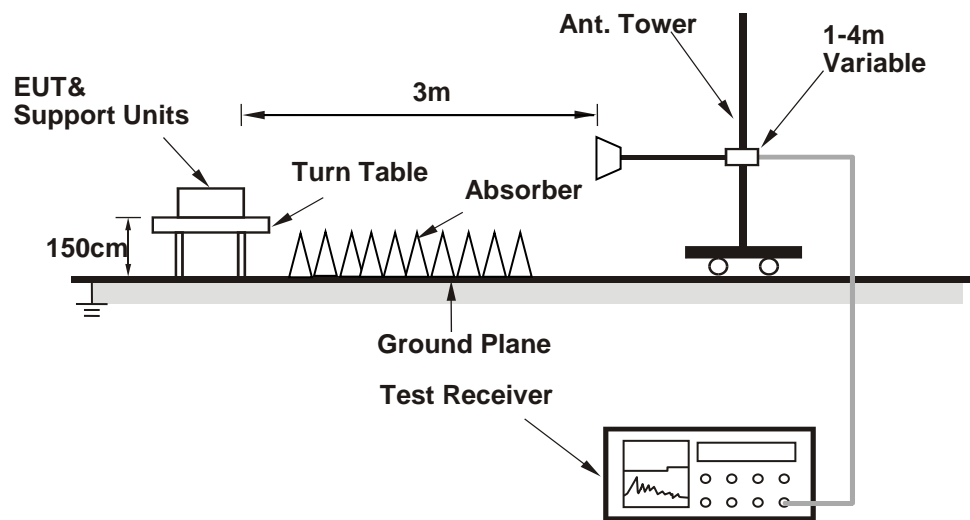
For Radiated emission below 30MHz



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

- Placed the EUT on the testing table.
- Controlling software (accessMTool_REL_3_1_0_1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results (Mode A)

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	45.8 PK	74.0	-28.2	2.09 H	149	46.0	-0.2
2	4874.00	43.6 AV	54.0	-10.4	2.09 H	149	43.8	-0.2
3	7311.00	45.3 PK	74.0	-28.7	1.77 H	257	39.1	6.2
4	7311.00	32.0 AV	54.0	-22.0	1.77 H	257	25.8	6.2
5	#10400.00	57.2 PK	68.2	-11.0	1.05 H	328	46.5	10.7
6	15600.00	49.0 PK	74.0	-25.0	1.96 H	52	37.3	11.7
7	15600.00	39.1 AV	54.0	-14.9	1.96 H	52	27.4	11.7

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	48.8 PK	74.0	-25.2	2.38 V	3	49.0	-0.2
2	4874.00	47.4 AV	54.0	-6.6	2.38 V	3	47.6	-0.2
3	7311.00	44.5 PK	74.0	-29.5	1.93 V	9	38.3	6.2
4	7311.00	33.3 AV	54.0	-20.7	1.93 V	9	27.1	6.2
5	#10400.00	47.2 PK	68.2	-21.0	2.54 V	331	36.5	10.7
6	15600.00	45.5 PK	74.0	-28.5	2.35 V	158	33.8	11.7
7	15600.00	33.4 AV	54.0	-20.6	2.35 V	158	21.7	11.7

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.

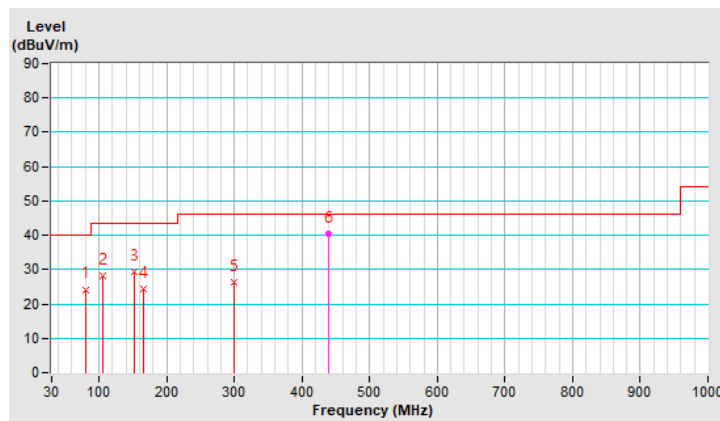
Below 1GHz Data:

FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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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	80.03	24.2 QP	40.0	-15.8	2.00 H	243	41.2	-17.0
2	105.07	28.1 QP	43.5	-15.4	2.00 H	197	43.4	-15.3
3	152.38	29.2 QP	43.5	-14.3	1.00 H	48	40.8	-11.6
4	166.71	24.3 QP	43.5	-19.2	1.00 H	163	36.3	-12.0
5	300.62	26.2 QP	46.0	-19.8	2.00 H	142	36.6	-10.4
6	440.01	40.3 QP	46.0	-5.7	2.00 H	159	46.2	-5.9

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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

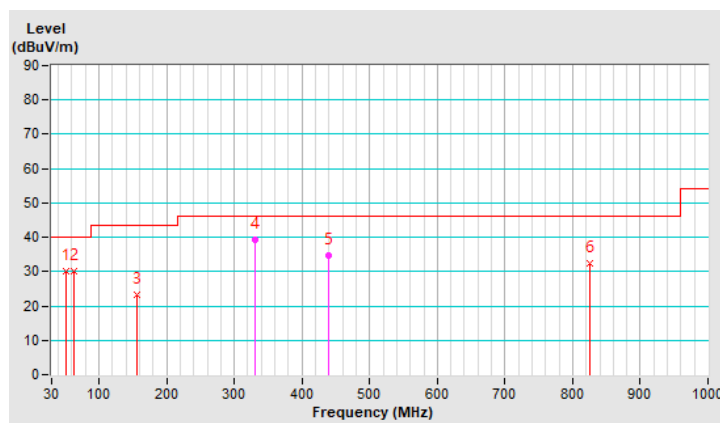


FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.08	30.2 QP	40.0	-9.8	1.00 V	19	42.4	-12.2
2	63.19	30.1 QP	40.0	-9.9	2.00 V	26	43.4	-13.3
3	156.34	23.4 QP	43.5	-20.1	2.00 V	16	35.0	-11.6
4	330.08	39.2 QP	46.0	-6.8	1.50 V	58	48.6	-9.4
5	440.01	34.7 QP	46.0	-11.3	1.50 V	78	40.6	-5.9
6	825.01	32.4 QP	46.0	-13.6	2.00 V	299	30.2	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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.8 Test Results (Mode B)

Above 1GHz Data:

Frequency Range	1GHz ~ 40GHz	Detector Function	Peak (PK) Average (AV)
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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	46.0 PK	74.0	-28.0	2.15 H	147	46.2	-0.2
2	4874.00	43.7 AV	54.0	-10.3	2.15 H	147	43.9	-0.2
3	7311.00	45.8 PK	74.0	-28.2	1.73 H	273	39.6	6.2
4	7311.00	32.2 AV	54.0	-21.8	1.73 H	273	26.0	6.2
5	11590.00	56.7 PK	74.0	-17.3	1.09 H	338	45.4	11.3
6	11590.00	44.1 AV	54.0	-9.9	1.09 H	338	32.8	11.3
7	#17385.00	48.9 PK	68.2	-19.3	1.98 H	56	32.1	16.8
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	48.5 PK	74.0	-25.5	2.36 V	15	48.7	-0.2
2	4874.00	47.2 AV	54.0	-6.8	2.36 V	15	47.4	-0.2
3	7311.00	44.4 PK	74.0	-29.6	1.91 V	22	38.2	6.2
4	7311.00	33.4 AV	54.0	-20.6	1.91 V	22	27.2	6.2
5	11590.00	46.9 PK	74.0	-27.1	2.58 V	330	35.6	11.3
6	11590.00	34.6 AV	54.0	-19.4	2.58 V	330	23.3	11.3
7	#17385.00	45.0 PK	68.2	-23.2	2.30 V	145	28.2	16.8

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.

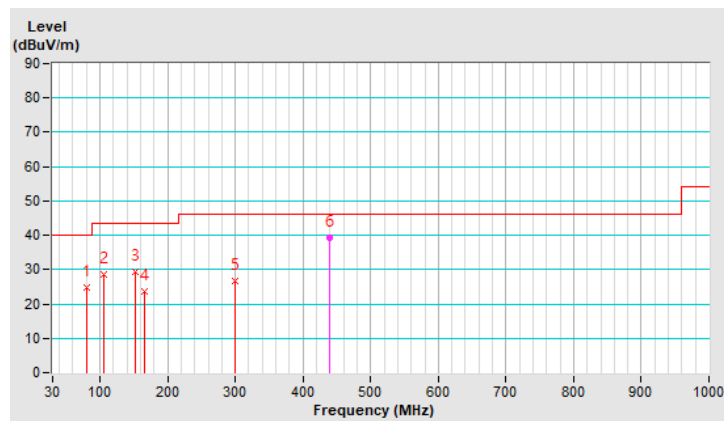
Below 1GHz Data:

FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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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	80.00	24.6 QP	40.0	-15.4	1.50 H	297	41.5	-16.9
2	104.70	28.5 QP	43.5	-15.0	2.00 H	210	43.9	-15.4
3	152.61	29.4 QP	43.5	-14.1	1.50 H	94	41.0	-11.6
4	166.41	23.7 QP	43.5	-19.8	1.00 H	120	35.7	-12.0
5	300.35	26.6 QP	46.0	-19.4	2.00 H	179	37.0	-10.4
6	439.40	39.2 QP	46.0	-6.8	1.50 H	132	45.1	-5.9

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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

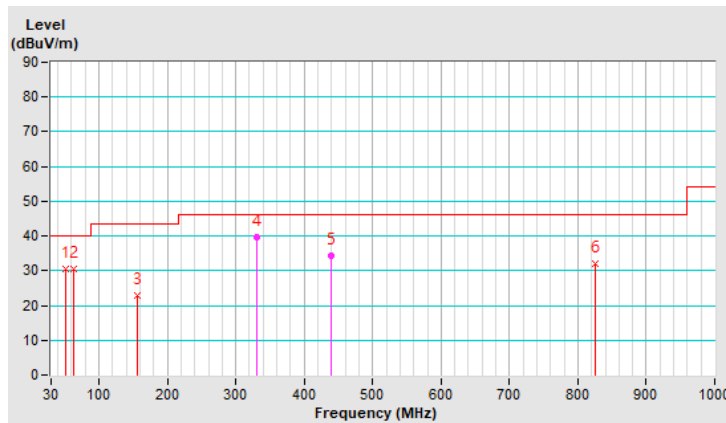


FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.21	30.6 QP	40.0	-9.4	1.00 V	12	42.8	-12.2
2	63.51	30.5 QP	40.0	-9.5	2.00 V	59	43.7	-13.2
3	155.82	23.0 QP	43.5	-20.5	1.50 V	60	34.6	-11.6
4	330.41	39.6 QP	46.0	-6.4	2.00 V	100	49.0	-9.4
5	439.79	34.3 QP	46.0	-11.7	1.50 V	111	40.2	-5.9
6	825.44	31.9 QP	46.0	-14.1	2.00 V	267	29.7	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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.9 Test Results (Mode C)

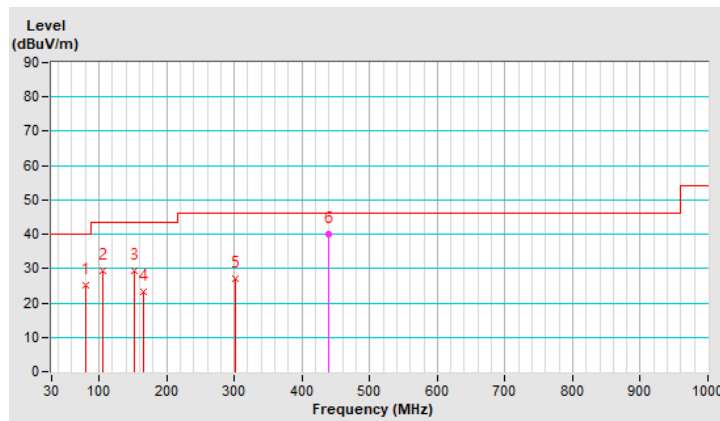
Below 1GHz Data:

FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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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	80.16	25.2 QP	40.0	-14.8	2.00 H	349	42.2	-17.0
2	105.28	29.2 QP	43.5	-14.3	2.00 H	3	44.5	-15.3
3	152.92	29.2 QP	43.5	-14.3	1.00 H	65	40.8	-11.6
4	166.07	23.4 QP	43.5	-20.1	1.50 H	162	35.3	-11.9
5	301.17	27.0 QP	46.0	-19.0	2.00 H	187	37.4	-10.4
6	439.61	40.1 QP	46.0	-5.9	1.50 H	171	46.0	-5.9

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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

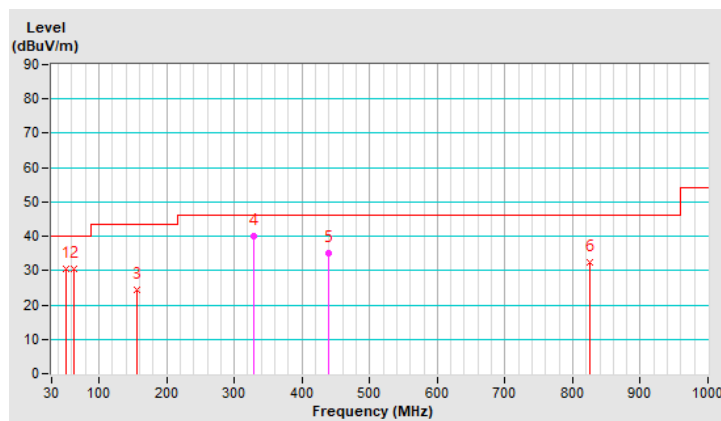


FREQUENCY RANGE	9kHz ~ 1GHz	DETECTOR FUNCTION	Quasi-Peak (QP)
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Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.09	30.5 QP	40.0	-9.5	1.00 V	45	42.7	-12.2
2	62.70	30.6 QP	40.0	-9.4	2.00 V	62	43.9	-13.3
3	155.51	24.4 QP	43.5	-19.1	1.00 V	355	35.9	-11.5
4	329.40	39.9 QP	46.0	-6.1	1.50 V	68	49.4	-9.5
5	439.51	35.0 QP	46.0	-11.0	1.00 V	108	40.9	-5.9
6	825.31	32.5 QP	46.0	-13.5	1.50 V	266	30.3	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 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: 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	2021/10/13	2022/10/12
LISN R&S	ESH3-Z5	848773/004	2021/10/29	2022/10/28
50 ohms Terminator NA	50	3	2021/10/27	2022/10/26
RF Coaxial Cable JYEBO	5D-FB	COCCAB-001	2021/9/25	2022/9/24
Fixed attenuator STI	STI02-2200-10	005	2021/8/27	2022/8/26
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: 2022/4/1

4.2.3 Test Procedures

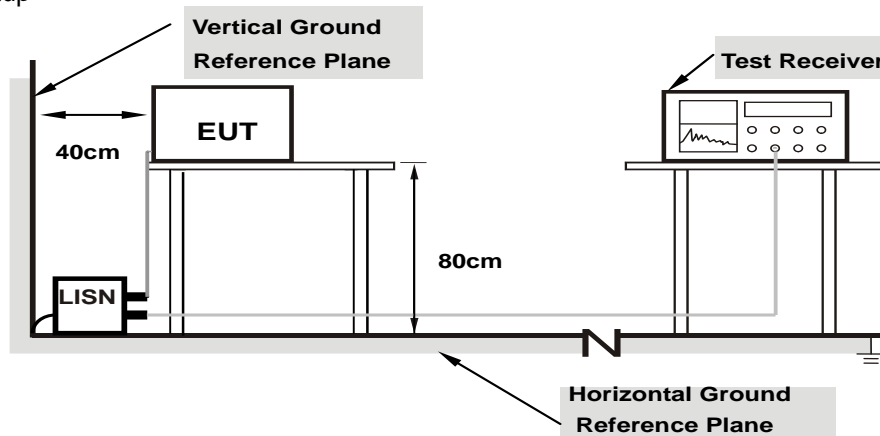
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

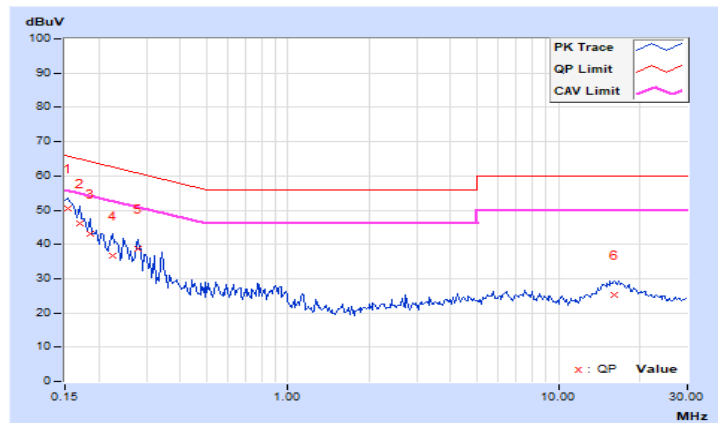
4.2.7 Test Results (Mode A)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	0.15391	10.07	40.44	22.63	50.51	32.70	65.79	55.79	-15.28	-23.09
2	0.16953	10.07	36.09	19.23	46.16	29.30	64.98	54.98	-18.82	-25.68
3	0.18516	10.08	32.85	18.14	42.93	28.22	64.25	54.25	-21.32	-26.03
4	0.22422	10.08	26.48	13.92	36.56	24.00	62.66	52.66	-26.10	-28.66
5	0.27891	10.09	28.74	20.80	38.83	30.89	60.85	50.85	-22.02	-19.96
6	16.13281	11.27	14.01	8.20	25.28	19.47	60.00	50.00	-34.72	-30.53

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

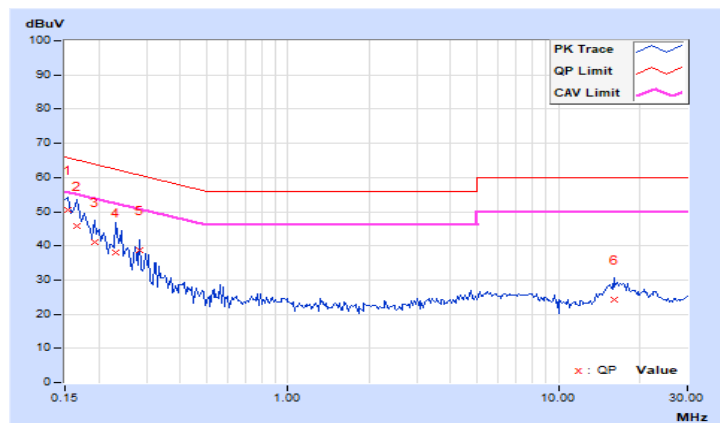


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	10.05	40.34	22.89	50.39	32.94	65.79	55.79	-15.40	-22.85
2	0.16562	10.06	35.60	20.60	45.66	30.66	65.18	55.18	-19.52	-24.52
3	0.19297	10.08	30.90	12.52	40.98	22.60	63.91	53.91	-22.93	-31.31
4	0.23203	10.08	27.98	15.26	38.06	25.34	62.38	52.38	-24.32	-27.04
5	0.28281	10.09	28.56	16.54	38.65	26.63	60.73	50.73	-22.08	-24.10
6	16.08984	11.05	13.10	7.32	24.15	18.37	60.00	50.00	-35.85	-31.63

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



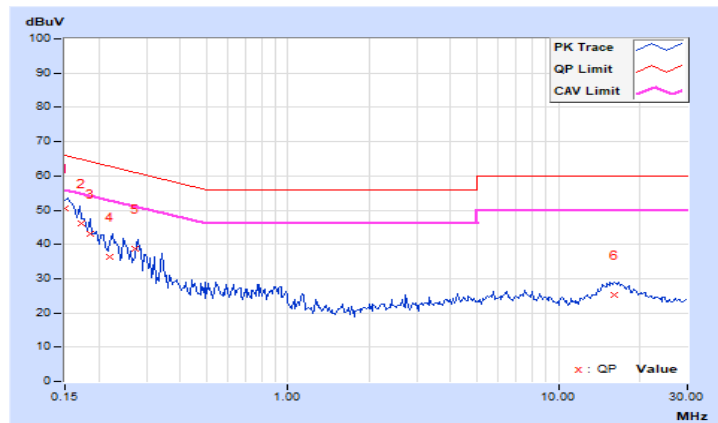
4.2.8 Test Results (Mode B)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	0.15041	10.05	40.31	22.71	50.36	32.76	65.98	55.98	-15.62	-23.22
2	0.17154	10.05	36.19	19.34	46.24	29.39	64.89	54.89	-18.65	-25.50
3	0.18708	10.05	32.92	18.34	42.97	28.39	64.17	54.17	-21.20	-25.78
4	0.21843	10.05	26.37	13.76	36.42	23.81	62.88	52.88	-26.46	-29.07
5	0.27192	10.06	28.64	20.67	38.70	30.73	61.06	51.06	-22.36	-20.33
6	16.13549	10.99	14.12	8.34	25.11	19.33	60.00	50.00	-34.89	-30.67

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

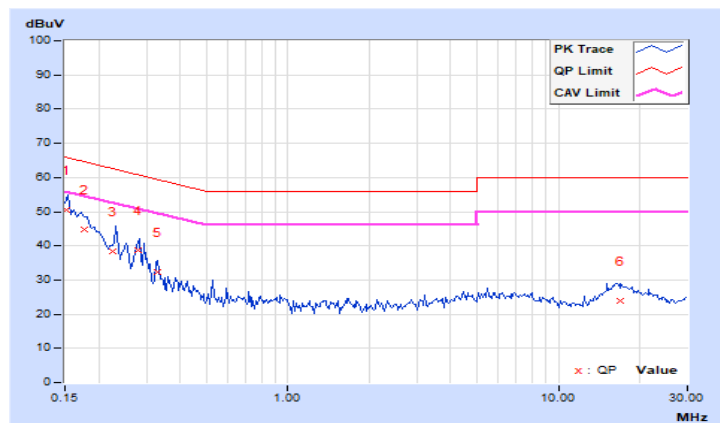


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15167	10.05	40.38	23.15	50.43	33.20	65.91	55.91	-15.48	-22.71
2	0.17657	10.07	34.73	19.15	44.80	29.22	64.65	54.65	-19.85	-25.43
3	0.22534	10.08	28.31	15.56	38.39	25.64	62.62	52.62	-24.23	-26.98
4	0.27824	10.09	28.64	16.53	38.73	26.62	60.87	50.87	-22.14	-24.25
5	0.33155	10.09	22.16	8.67	32.25	18.76	59.41	49.41	-27.16	-30.65
6	17.04095	11.11	12.76	6.64	23.87	17.75	60.00	50.00	-36.13	-32.25

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



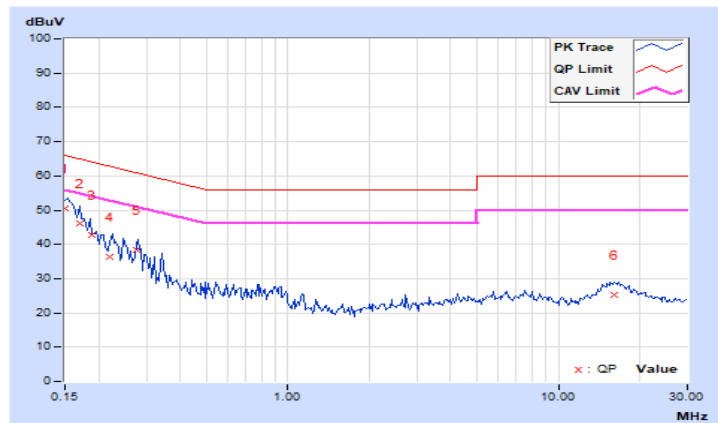
4.2.9 Test Results (Mode C)

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	0.15001	10.05	40.43	22.65	50.48	32.70	66.00	56.00	-15.52	-23.30
2	0.17071	10.05	36.03	19.25	46.08	29.30	64.93	54.93	-18.85	-25.63
3	0.18815	10.05	32.76	18.06	42.81	28.11	64.12	54.12	-21.31	-26.01
4	0.21994	10.05	26.43	13.71	36.48	23.76	62.82	52.82	-26.34	-29.06
5	0.27533	10.06	28.37	20.52	38.43	30.58	60.96	50.96	-22.53	-20.38
6	16.13762	10.99	14.26	8.43	25.25	19.42	60.00	50.00	-34.75	-30.58

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

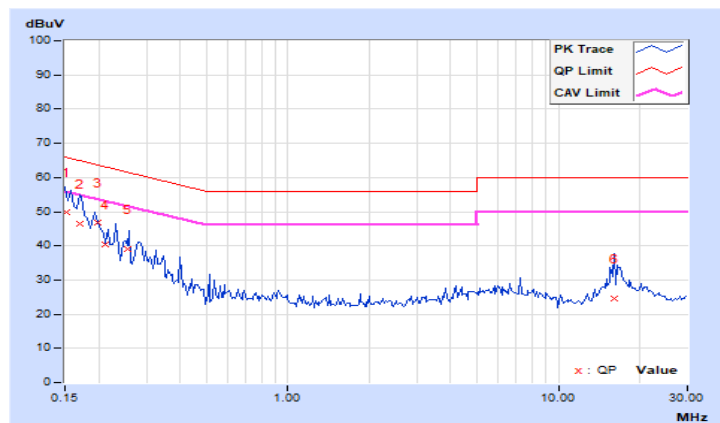


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15171	10.05	39.73	23.35	49.78	33.40	65.91	55.91	-16.13	-22.51
2	0.17092	10.06	36.42	22.10	46.48	32.16	64.92	54.92	-18.44	-22.76
3	0.19917	10.08	36.60	19.19	46.68	29.27	63.65	53.65	-16.97	-24.38
4	0.21151	10.08	30.37	12.56	40.45	22.64	63.15	53.15	-22.70	-30.51
5	0.25711	10.09	28.82	15.50	38.91	25.59	61.52	51.52	-22.61	-25.93
6	16.18624	11.05	13.43	7.35	24.48	18.40	60.00	50.00	-35.52	-31.60

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

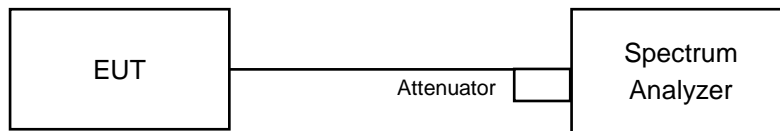


4.3 Conducted Out of Band Emission Measurement

4.3.1 Limits of Conducted Out of Band Emission Measurement

Below 30dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedures

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW \geq 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOB

1. Set RBW = 100 kHz.
2. Set VBW \geq 300 kHz.
3. Detector = peak.
4. Sweep = auto couple.
5. Trace Mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum amplitude level.

4.3.5 Deviation from Test Standard

No deviation.

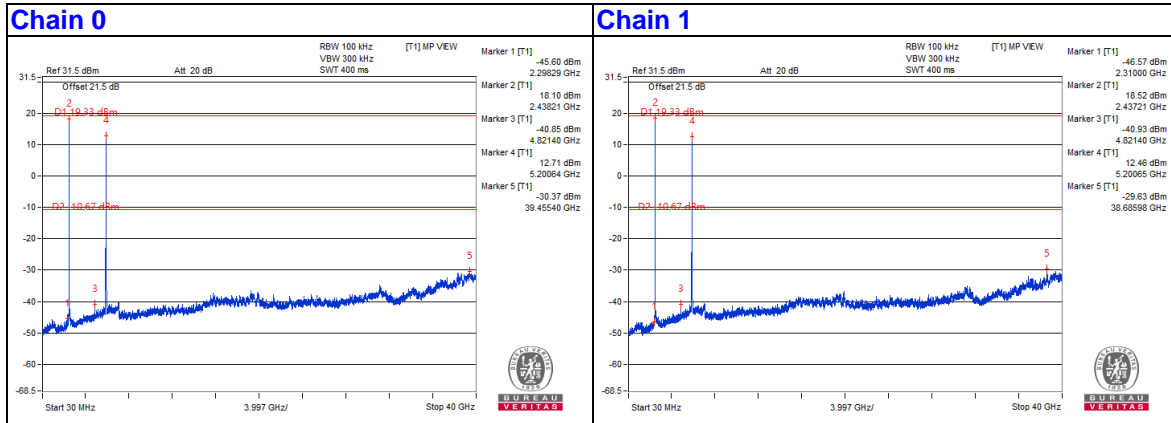
4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.3.7 Test Results

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 30dB offset below D1. It shows compliance with the requirement.

2.4GHz_802.11ax (HE20) CH6 + 5GHz_802.11ax (HE20) CH165



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.

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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