Partial FCC Test Report

Report No.:	RFBHDI-WTW-P21120081-1
FCC ID:	2ARXKVHE09-4GL
Test Model:	VHE09-4GL, VHH09-4GL
Series Model:	VHE09XXXXX (X=A-Z, 0-9, blank or "-")
Received Date:	Dec. 24, 2021
Test Date:	Jan. 21 ~ Apr. 06, 2022
Issued Date:	Apr. 22, 2022
Applicant:	Veea Inc
Address:	164 E 83rd Street, New York NY, 10028, USA
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.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
RFBHDI-WTW-P21120081-1	Original Release	Apr. 22, 2022

1 Certificate of Conformity

Product:	veeaHub
Brand:	veeaHub
Test Model:	VHE09-4GL, VHH09-4GL
Series Model:	VHE09XXXXX (X=A-Z, 0-9, blank or "-")
Sample Status:	Engineering Sample
Applicant:	Veea Inc
Test Date:	Jan. 21 ~ Apr. 06, 2022
Standards:	47 CFR FCC Part 15, Subpart C (Section 15.247) 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 RF characteristics under the conditions specified in this report.

Prepared by : Lena Wang , **Date:** Apr. 22, 2022

Lena Wang / Specialist

Approved by : Jeremy Lin , **Date:** Apr. 22, 2022

Jeremy Lin / Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	Pass	Meet the requirement of limit. Minimum passing margin is -1.06 dB at 0.48600 MHz.
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -5.31 dB at 450.01 MHz.
15.247(d)	Antenna Port Emission	N/A	Refer to note 1
15.247(a)(2)	6dB bandwidth	N/A	Refer to note 1
15.247(b)	Conducted power	N/A	Refer to note 1
15.247(e)	Power Spectral Density	N/A	Refer to note 1
15.203	Antenna Requirement	Pass	Chip antenna: No antenna connector is used. PIFA antenna: Antenna connector is U.FL not a standard connector.

Note:
1. This report is a partial report. Therefore, only AC Power Conducted Emission and Radiated Emissions were verified and recorded in this report. Other testing data please refer to the original BV CPS report no.: RF200424C06-6.
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) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.79 dB
Radiated Emissions up to 1 GHz	9 kHz ~ 30 MHz	3.04 dB
	30 MHz ~ 200 MHz	2.93 dB
	200 MHz ~ 1000 MHz	2.95 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	veeaHub
Brand	veeaHub
Test Model	VHE09-4GL, VHH09-4GL
Series Model	VHE09XXXXX (X=A-Z, 0-9, blank or "-")
Model Difference	Marketing purposes
Sample Status	Engineering Sample
Nominal Voltage	48Vdc (Adapter and PoE)
Modulation Type	GFSK
Transfer Rate	LE 4.0: 1Mbps LE 5.0: 2Mbps
Operating Frequency	2402~2480MHz
Number of Channel	40
Channel Spacing	2MHz
Antenna Type	Chip antenna with 6dBi gain PIFA antenna with 2.2dBi gain
Antenna Connector	Chip antenna: NA PIFA antenna: U.FL
Accessory Device	Adapter
Cable Supplied	NA

Note:

1. This report is issued as a supplementary report to BV CPS report no. RF200424C06-6. The difference compared with original report is adding model name (VHH09-4GL), updating mainboard and changing WWAN Module (EG25-G MINIPCIE).Therefore, only AC Power Conducted Emission and Radiated Emissions were verified and recorded in this report. AC Power Conducted Emission and Radiated Emission tests according to original report radiated emission worst channel.
2. Model difference as below

Model	Type	LoRa Module	LTE Module	LED for LTE Status	Power Button	USB 3.0	Console	SD Slot	Power	PCB Design
VHE09-4GL	Indoor	RG-1008M (915MHz)	EC25A	Y	Y	Y	Y(RS-232)	Y	65W DC-48V desktop power adapter	Same design (VHE09/VHE10/VHH10)
VHH09-4GL	Outdoor	RG-1008M (915MHz)	EG25G	N	N	N	Y(M.12)	N	Power adapter or PoE	

3. The EUT uses following adapter and PoE. (Support unit)

Adapter	
Brand	EDAC Power Electronics Co., Ltd.
Model	EA1062SGR-480
Input Power	100-240Vac ~2.5A, 50-60Hz
Output Power	48Vdc / 1.35A
Power Line	1.2m DC cable with one core

PoE	
Model	APOE02-WM
Output Power	48Vdc

4. The EUT with Chip antenna (with maximum gain) was chosen for the Conducted Output Power Measurement test.
5. WLAN, zigbee, Bluetooth and LoRa technology can transmit at same time.
6. 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.
7. The EUT contains certified WWAN module with FCC ID: 2ATM8EG25G.

3.2 Description of Test Modes

40 channels are provided to this EUT:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to			Description	
	RE≥1G	RE<1G	PLC	Antenna	Power
A	√	√	√	Chip Antenna	Power from adapter
B	-	√	√		Power from PoE
C	√	√	√	PIFA Antenna	Power from adapter
D	-	√	√		Power from PoE

Where RE≥1G: Radiated Emission above 1GHz & Bandedge Measurement RE<1G: Radiated Emission below 1 GHz
PLC: Power Line Conducted Emission

Note: The antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on X-plane.

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
A, C	0 to 39	39	GFSK	1

Radiated Emission Test (Below 1 GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
A, B, C, D	0 to 39	39	GFSK	1

Power Line Conducted Emission Test:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

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

EUT Configure Mode	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)
A, B, C, D	0 to 39	39	GFSK	1

Test Condition:

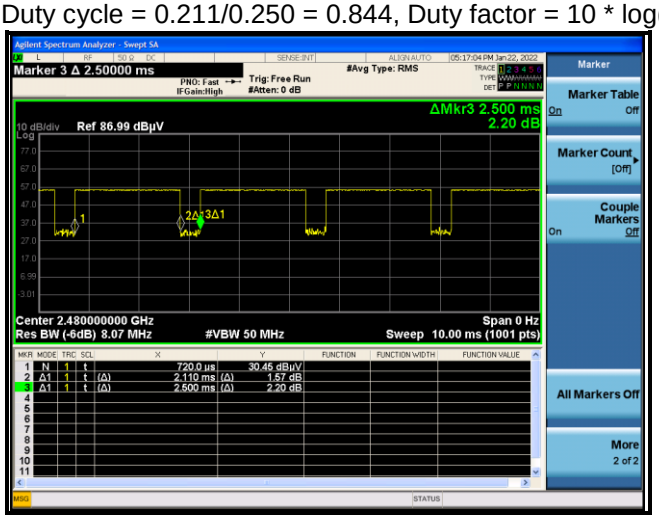
Applicable to	Environmental Conditions	Input Power	Tested by
RE≥1G	21 deg. C, 73 % RH	120 Vac, 60 Hz	Vincent Chen
RE<1G	23 deg. C, 65 % RH	120 Vac, 60 Hz	Vincent Chen
PLC	25 deg. C, 75 % RH	120 Vac, 60 Hz 48 Vdc	Vincent Chen

3.3 Duty Cycle of Test Signal

Duty cycle of test signal is < 98 %, duty factor shall be considered.

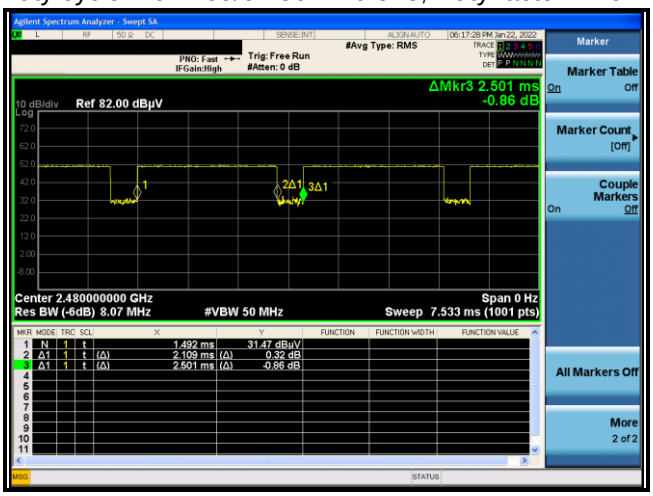
For Chip Antenna

Duty cycle = 0.211/0.250 = 0.844, Duty factor = 10 * log(1/0.844) = 0.737



For PIFA Antenna

Duty cycle = 0.2109/0.2501 = 0.843, Duty factor = 10 * log(1/0.843) = 0.742



3.4 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.

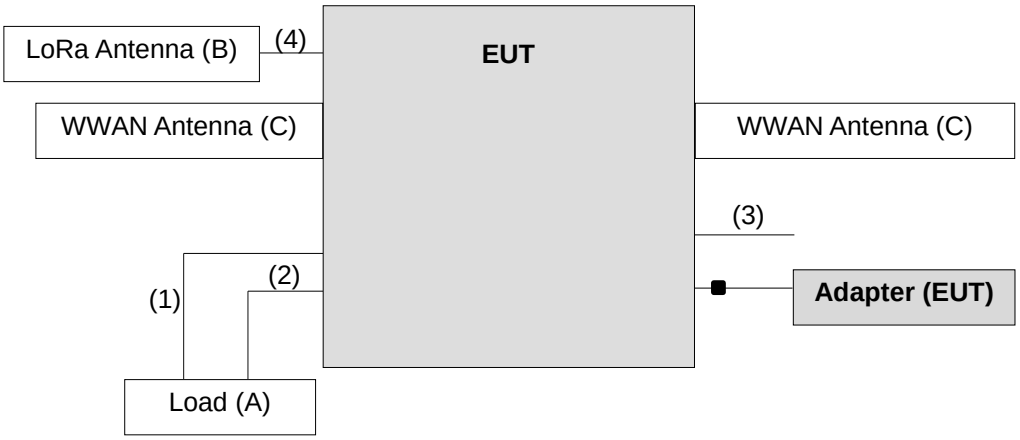
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Load	NA	NA	NA	NA	-
B.	LoRa Antenna	PCTEL	MFB9155NF	NA	NA	Provided by manufacturer
C.	WWAN Antenna	2J	2J2124W -C315N	NA	NA	Provided by manufacturer
D.	PoE	NA	TL-POE16S	4215031002252	NA	-

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

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN cable	1	0.4	N	0	RJ45, Cat5e
2.	LAN cable	1	0.4	N	0	RJ45, Cat5e
3.	RS232 cable	1	0.4	Y	0	-
4.	Coaxial cable	1	1.5	Y	0	-

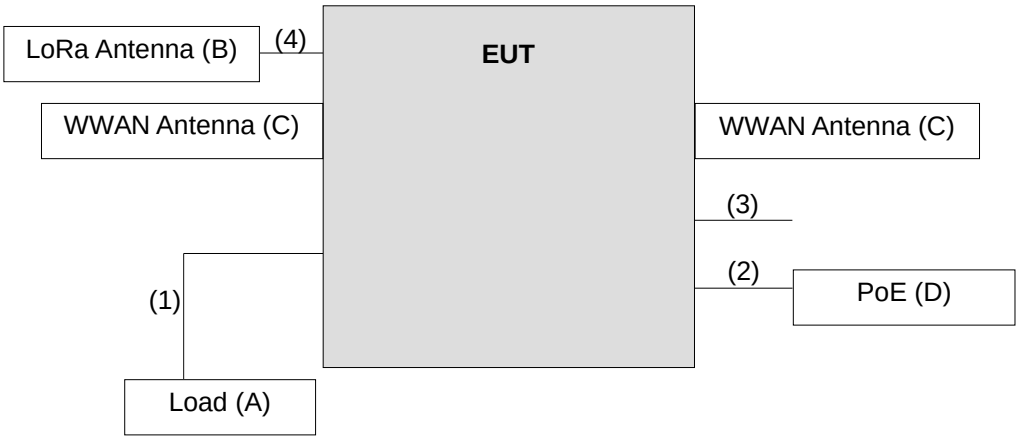
3.4.1 Configuration of System under Test

Adapter Mode



Remote site

PoE Mode



3.5 General Description of Applied Standards and References

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

Test standard:
FCC Part 15, Subpart C (15.247)
ANSI C63.10-2013

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

References Test Guidance:
KDB 558074 D01 15.247 Meas Guidance v05r02

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

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. Other emissions shall be at least 20dB below the highest level of the desired power:

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.

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer Agilent	N9010A	MY52220207	Jan. 06, 2022	Jan. 05, 2023
Test Receiver Agilent	N9038A	MY51210203	Sep. 22, 2021	Sep. 21, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 12, 2021	Apr. 11, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 14, 2021	Nov. 13, 2022
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Oct. 28, 2021	Oct. 27, 2022
Preamplifier EMCI	EMC 012645	980115	Oct. 05, 2021	Oct. 04, 2022
Preamplifier EMCI	EMC 330H	980112	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable EMCI	EMC104-SM-SM-8000	171005	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM-1000(140807)	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable WOKEN	8D-FB	Cable-Ch10-01	Oct. 05, 2021	Oct. 04, 2022
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	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 HwaYa Chamber 10.

4.1.3 Test Procedures

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:

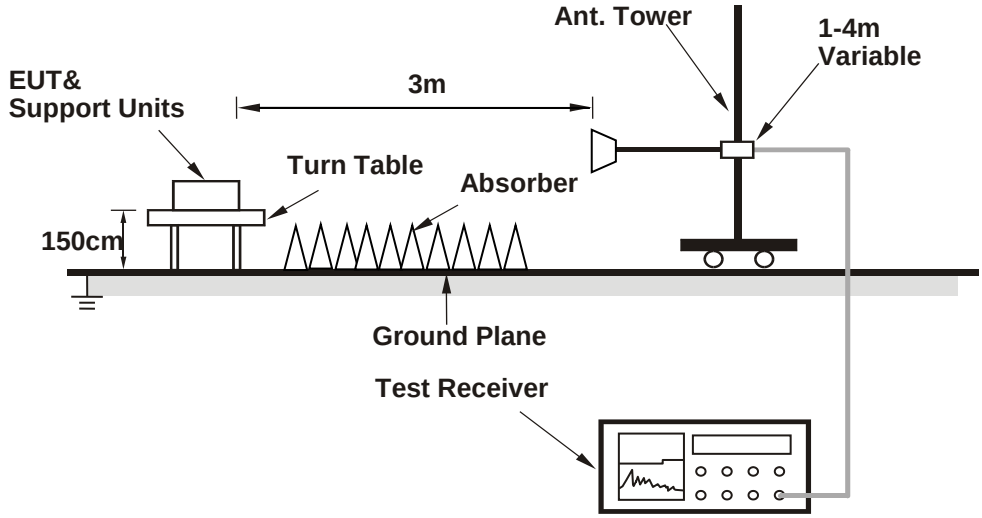
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 3 x RBW (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz. (LE 1M: RBW = 1 MHz, VBW = 5.1 kHz)
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 above 1GHz



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

4.1.6 EUT Operating Conditions

a. Set the EUT under transmission condition continuously at specific channel frequency.

4.1.7 Test Results

Above 1GHz Data:

BT LE 4.0

Mode A

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
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	*2480.00	91.44 PK			2.49 H	283	60.58	30.86
2	*2480.00	90.36 AV			2.49 H	283	59.50	30.86
3	2483.50	65.96 PK	74.00	-8.04	2.49 H	283	35.09	30.87
4	2483.50	47.93 AV	54.00	-6.07	2.49 H	283	17.06	30.87
5	4960.00	42.55 PK	74.00	-31.45	1.07 H	214	58.34	-15.79
6	4960.00	32.33 AV	54.00	-21.67	1.07 H	214	48.12	-15.79
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	*2480.00	86.12 PK			2.20 V	247	55.26	30.86
2	*2480.00	84.95 AV			2.20 V	247	54.09	30.86
3	2483.50	61.75 PK	74.00	-12.25	2.20 V	247	30.88	30.87
4	2483.50	46.53 AV	54.00	-7.47	2.20 V	247	15.66	30.87
5	4960.00	41.50 PK	74.00	-32.50	2.32 V	307	57.29	-15.79
6	4960.00	31.44 AV	54.00	-22.56	2.32 V	307	47.23	-15.79

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. " * ": Fundamental frequency.

Mode D

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
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	*2480.00	87.28 PK			2.85 H	42	56.42	30.86
2	*2480.00	86.06 AV			2.85 H	42	55.20	30.86
3	2483.50	62.32 PK	74.00	-11.68	2.11 H	42	31.45	30.87
4	2483.50	46.64 AV	54.00	-7.36	2.11 H	42	15.77	30.87
5	4960.00	42.45 PK	74.00	-31.55	1.39 H	327	58.24	-15.79
6	4960.00	32.44 AV	54.00	-21.56	1.39 H	327	48.23	-15.79
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	*2480.00	86.36 PK			1.95 V	253	55.50	30.86
2	*2480.00	85.18 AV			1.95 V	253	54.32	30.86
3	2483.50	61.21 PK	74.00	-12.79	2.03 V	254	30.34	30.87
4	2483.50	46.48 AV	54.00	-7.52	2.03 V	254	15.61	30.87
5	4960.00	41.44 PK	74.00	-32.56	1.78 V	332	57.23	-15.79
6	4960.00	31.40 AV	54.00	-22.60	1.78 V	332	47.19	-15.79

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. " * ": Fundamental frequency.

9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

30 MHz ~ 1 GHz Worst-Case Data:

<LE 4.0>

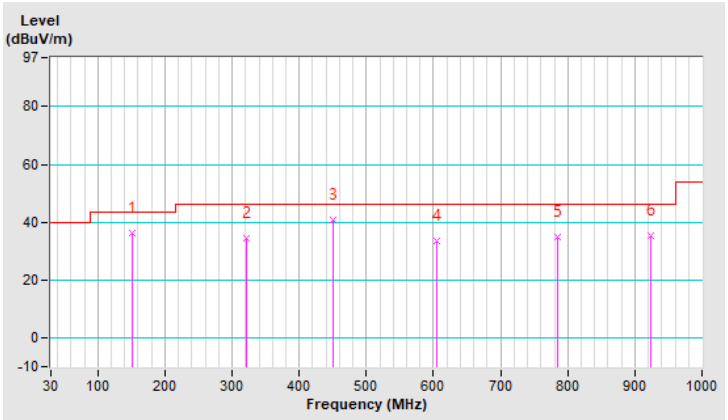
Mode A

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 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	150.28	36.19 QP	43.50	-7.31	1.34 H	194	48.33	-12.14
2	321.00	34.39 QP	46.00	-11.61	2.25 H	235	45.56	-11.17
3	**450.01**	**40.69 QP**	**46.00**	**-5.31**	**1.78 H**	**242**	**48.08**	**-7.39**
4	604.24	33.38 QP	46.00	-12.62	2.63 H	174	36.83	-3.45
5	784.66	34.84 QP	46.00	-11.16	1.15 H	154	34.81	0.03
6	923.37	35.46 QP	46.00	-10.54	2.23 H	41	33.27	2.19

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.

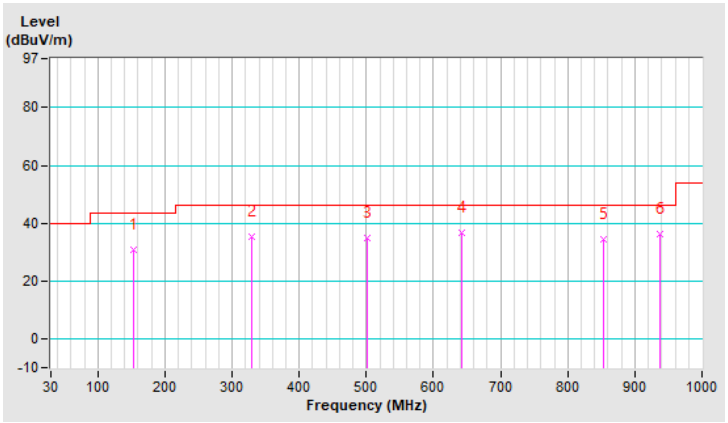


RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

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	153.19	30.67 QP	43.50	-12.83	1.74 V	147	42.92	-12.25
2	329.73	35.56 QP	46.00	-10.44	2.32 V	90	46.44	-10.88
3	500.45	34.72 QP	46.00	-11.28	1.67 V	83	40.80	-6.08
4	643.04	36.61 QP	46.00	-9.39	2.20 V	31	39.19	-2.58
5	853.53	34.57 QP	46.00	-11.43	1.34 V	4	33.50	1.07
6	937.92	36.12 QP	46.00	-9.88	1.97 V	222	33.73	2.39

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.



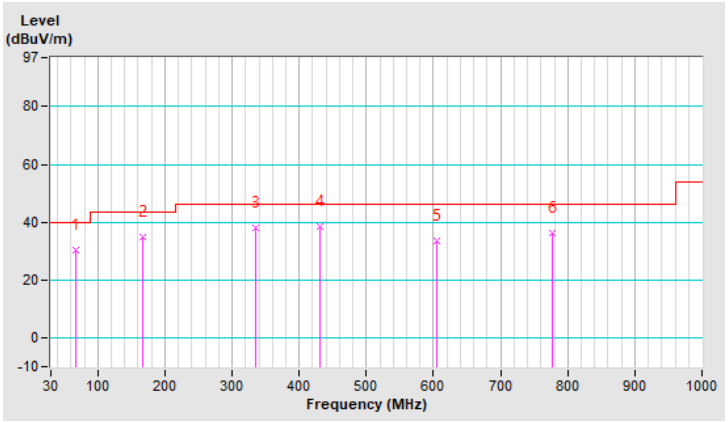
Mode B

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 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	66.86	30.20 QP	40.00	-9.80	1.53 H	257	44.45	-14.25
2	167.74	34.73 QP	43.50	-8.77	2.38 H	245	47.65	-12.92
3	335.55	38.10 QP	46.00	-7.90	2.14 H	297	48.78	-10.68
4	431.58	38.52 QP	46.00	-7.48	2.50 H	281	46.53	-8.01
5	604.24	33.38 QP	46.00	-12.62	2.77 H	174	36.83	-3.45
6	776.90	36.34 QP	46.00	-9.66	3.02 H	165	36.39	-0.05

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.

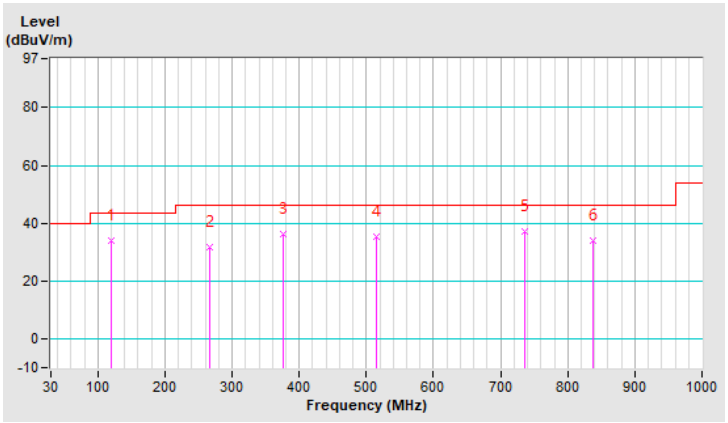


RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

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	120.21	34.07 QP	43.50	-9.43	3.04 V	113	48.41	-14.34
2	266.68	31.72 QP	46.00	-14.28	2.66 V	349	45.43	-13.71
3	375.32	36.03 QP	46.00	-9.97	1.92 V	96	45.70	-9.67
4	515.97	35.43 QP	46.00	-10.57	2.40 V	223	41.25	-5.82
5	736.16	37.18 QP	46.00	-8.82	1.52 V	279	38.17	-0.99
6	838.01	34.09 QP	46.00	-11.91	2.86 V	171	32.97	1.12

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.



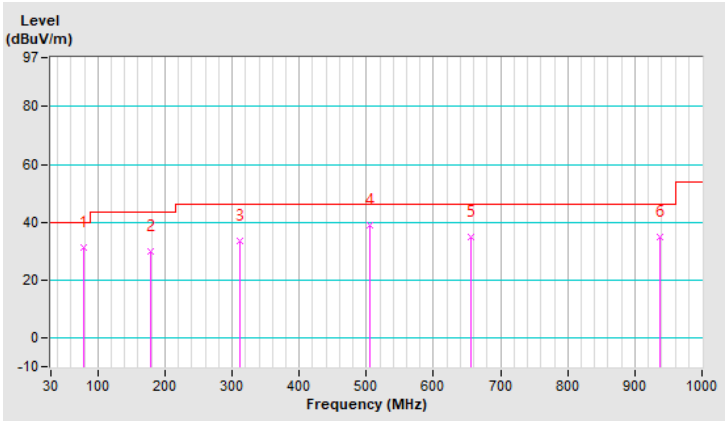
Mode C

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 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	79.47	31.48 QP	40.00	-8.52	1.65 H	231	48.92	-17.44
2	179.38	29.93 QP	43.50	-13.57	1.87 H	265	44.10	-14.17
3	311.30	33.41 QP	46.00	-12.59	2.25 H	337	44.95	-11.54
4	505.30	38.96 QP	46.00	-7.04	1.06 H	122	44.95	-5.99
5	655.65	34.96 QP	46.00	-11.04	1.11 H	26	37.49	-2.53
6	937.92	35.02 QP	46.00	-10.98	1.05 H	283	32.63	2.39

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.

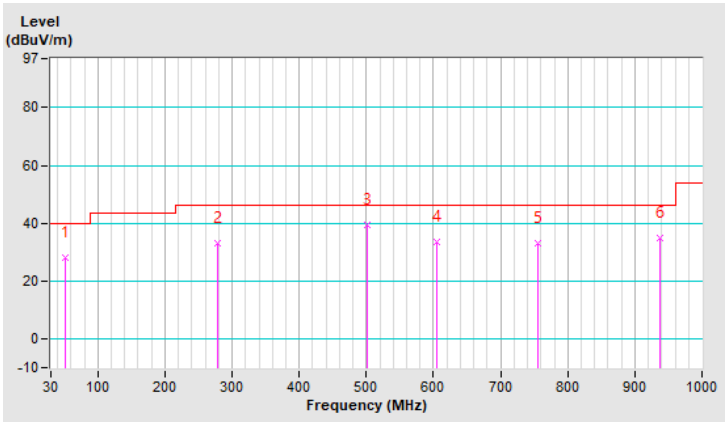


RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

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	51.34	28.11 QP	40.00	-11.89	3.14 V	305	40.72	-12.61
2	278.32	33.24 QP	46.00	-12.76	2.27 V	34	46.40	-13.16
3	500.45	39.40 QP	46.00	-6.60	1.89 V	111	45.48	-6.08
4	605.21	33.54 QP	46.00	-12.46	2.64 V	236	36.95	-3.41
5	755.56	33.04 QP	46.00	-12.96	1.03 V	228	33.53	-0.49
6	937.92	35.02 QP	46.00	-10.98	2.22 V	283	32.63	2.39

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.



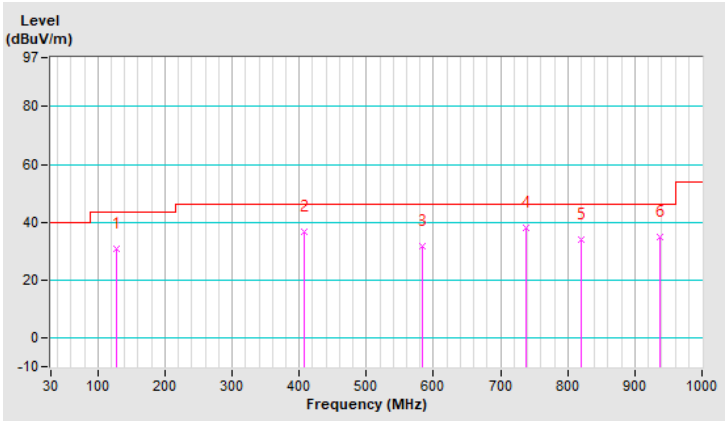
Mode D

RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 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	127.00	30.91 QP	43.50	-12.59	1.74 H	243	44.71	-13.80
2	407.33	36.81 QP	46.00	-9.19	2.52 H	286	45.89	-9.08
3	582.90	31.76 QP	46.00	-14.24	1.87 H	275	35.88	-4.12
4	738.10	38.27 QP	46.00	-7.73	3.32 H	268	39.21	-0.94
5	819.58	34.03 QP	46.00	-11.97	1.52 H	81	33.21	0.82
6	937.92	35.02 QP	46.00	-10.98	3.02 H	283	32.63	2.39

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.

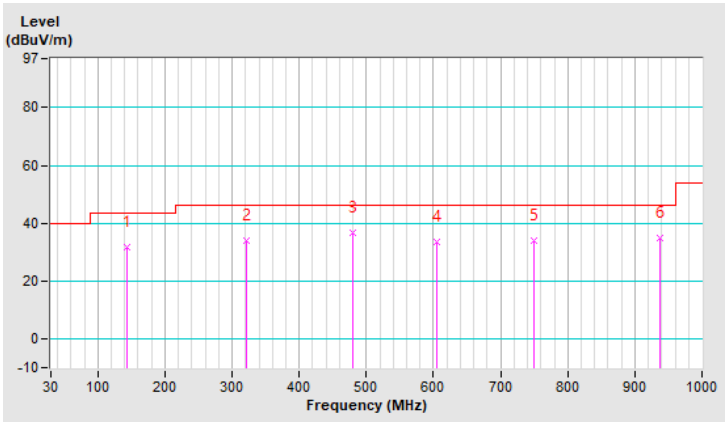


RF Mode	TX BT-LE 1M	Channel	CH 39：2480 MHz
Frequency Range	30MHz ~ 1GHz	Detector Function	Quasi-Peak (QP)

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	143.49	31.59 QP	43.50	-11.91	3.12 V	310	43.93	-12.34
2	321.00	33.76 QP	46.00	-12.24	1.41 V	236	44.93	-11.17
3	480.08	36.86 QP	46.00	-9.14	1.17 V	342	43.68	-6.82
4	605.21	33.54 QP	46.00	-12.46	2.62 V	236	36.95	-3.41
5	749.74	33.86 QP	46.00	-12.14	3.25 V	313	34.36	-0.50
6	937.92	35.02 QP	46.00	-10.98	1.08 V	283	32.63	2.39

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.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102783	Dec. 20, 2021	Dec. 19, 2022
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2021	Sep. 03, 2022
LISN/AMN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Feb. 17, 2022	Feb. 16, 2023
LISN/AMN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Sep. 17, 2021	Sep. 16, 2022
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	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 HwaYa Shielded Room 2 (Conduction 2).
3. The VCCI Site Registration No. is C-12047.

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.

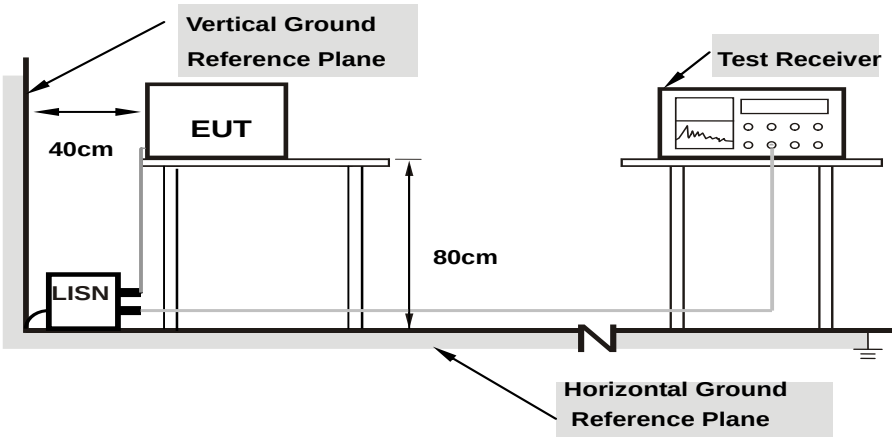
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

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 item 4.1.6.

4.2.7 Test Results

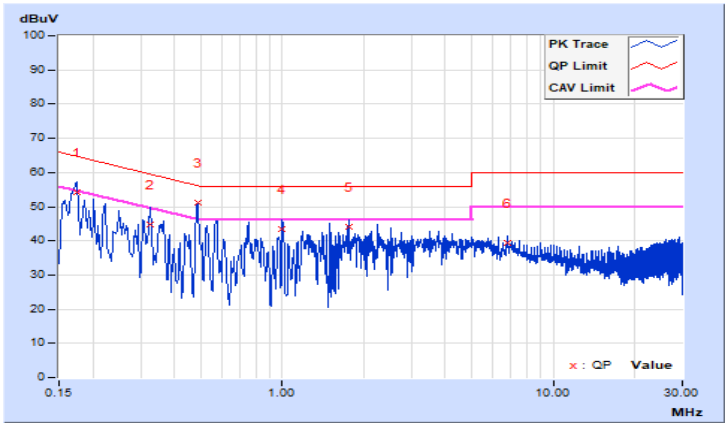
Mode A

Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	23 °C, 72% RH
Tested by	Vincent Chen	**Test Date**	2022/3/28

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	0.17400	10.14	44.09	31.44	54.23	41.58	64.77	54.77	-10.54	-13.19
2	0.32600	10.21	34.47	26.48	44.68	36.69	59.55	49.55	-14.87	-12.86
3	**0.48600**	**10.25**	**40.99**	**34.93**	**51.24**	**45.18**	**56.24**	**46.24**	**-5.00**	**-1.06**
4	1.00200	10.30	33.03	31.87	43.33	42.17	56.00	46.00	-12.67	-3.83
5	1.75400	10.35	33.61	30.00	43.96	40.35	56.00	46.00	-12.04	-5.65
6	6.77000	10.43	28.80	23.83	39.23	34.26	60.00	50.00	-20.77	-15.74

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

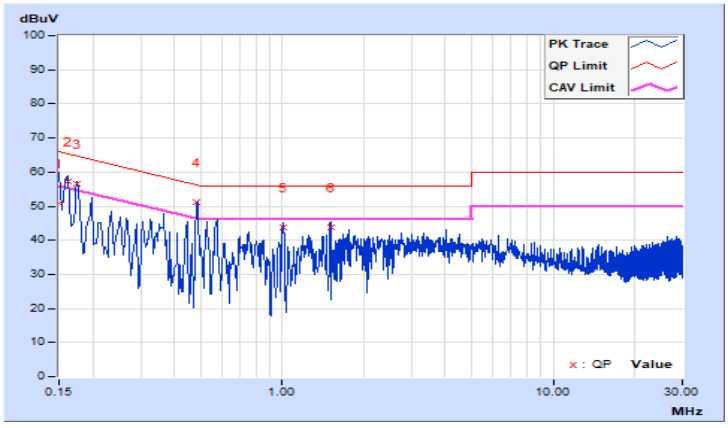


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	23 °C, 72% RH
Tested by	Vincent Chen	**Test Date**	2022/3/28

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	0.15000	10.14	40.56	22.04	50.70	32.18	66.00	56.00	-15.30	-23.82
2	0.16148	10.15	47.17	31.00	57.32	41.15	65.39	55.39	-8.07	-14.24
3	0.17400	10.16	46.26	36.62	56.42	46.78	64.77	54.77	-8.35	-7.99
4	0.48572	10.27	40.83	34.84	51.10	45.11	56.24	46.24	-5.14	-1.13
5	1.00600	10.31	33.31	29.44	43.62	39.75	56.00	46.00	-12.38	-6.25
6	1.50600	10.34	33.29	28.83	43.63	39.17	56.00	46.00	-12.37	-6.83

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



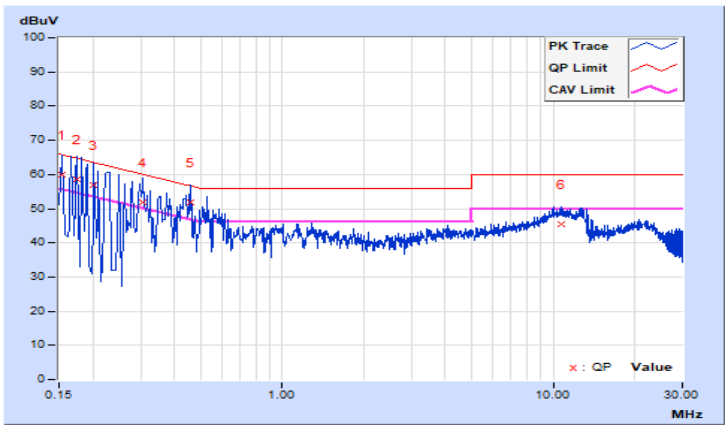
Mode B

Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	48Vdc	**Environmental Conditions**	25 °C, 75% RH
Tested by	Vincent Chen	**Test Date**	2022/3/28

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	0.15400	10.13	49.64	28.52	59.77	38.65	65.78	55.78	-6.01	-17.13
2	0.17400	10.13	48.36	19.36	58.49	29.49	64.77	54.77	-6.28	-25.28
3	0.20200	10.14	46.85	18.57	56.99	28.71	63.53	53.53	-6.54	-24.82
4	0.30600	10.15	41.58	30.90	51.73	41.05	60.08	50.08	-8.35	-9.03
5	0.45800	10.16	41.69	28.56	51.85	38.72	56.73	46.73	-4.88	-8.01
6	10.78200	10.30	35.20	28.81	45.50	39.11	60.00	50.00	-14.50	-10.89

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

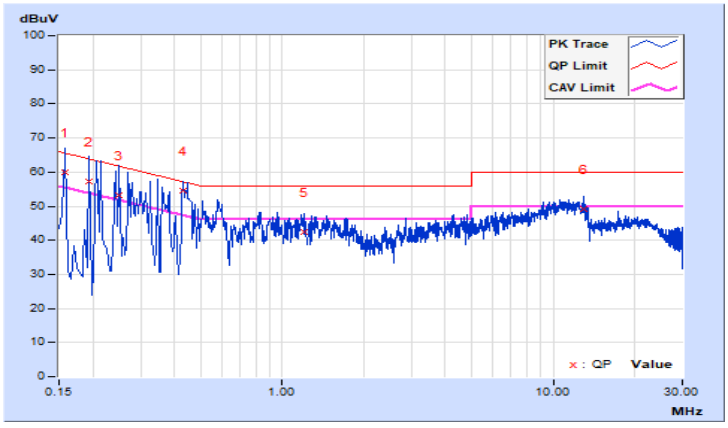


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	48Vdc	**Environmental Conditions**	25 °C, 75% RH
Tested by	Vincent Chen	**Test Date**	2022/3/28

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	0.15800	10.14	49.67	24.07	59.81	34.21	65.57	55.57	-5.76	-21.36
2	0.19400	10.15	47.01	19.41	57.16	29.56	63.86	53.86	-6.70	-24.30
3	0.25000	10.16	43.18	20.18	53.34	30.34	61.76	51.76	-8.42	-21.42
4	0.43000	10.17	44.22	32.36	54.39	42.53	57.25	47.25	-2.86	-4.72
5	1.20600	10.21	32.24	19.90	42.45	30.11	56.00	46.00	-13.55	-15.89
6	13.04200	10.40	38.89	34.36	49.29	44.76	60.00	50.00	-10.71	-5.24

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



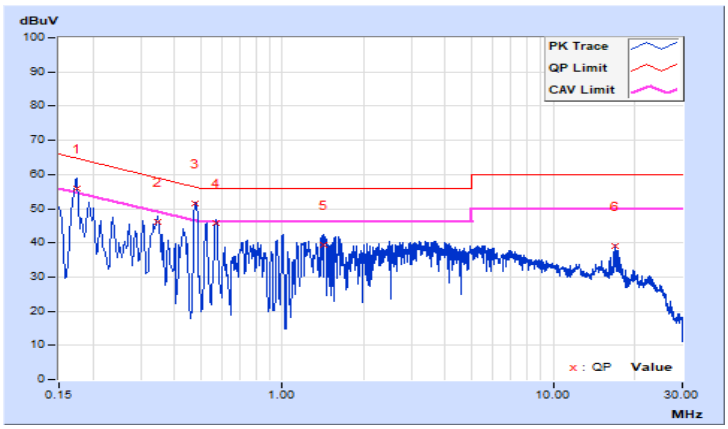
Mode C

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	23 °C, 72% RH
Tested by	Vincent Chen	Test Date	2022/4/6

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	0.17384	10.14	45.87	37.63	56.01	47.77	64.77	54.77	-8.76	-7.00
2	0.34577	10.22	35.85	30.81	46.07	41.03	59.06	49.06	-12.99	-8.03
3	0.47684	10.25	41.33	34.96	51.58	45.21	56.39	46.39	-4.81	-1.18
4	0.57000	10.26	35.62	33.62	45.88	43.88	56.00	46.00	-10.12	-2.12
5	1.43000	10.33	29.17	21.99	39.50	32.32	56.00	46.00	-16.50	-13.68
6	16.88600	10.55	28.58	26.51	39.13	37.06	60.00	50.00	-20.87	-12.94

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

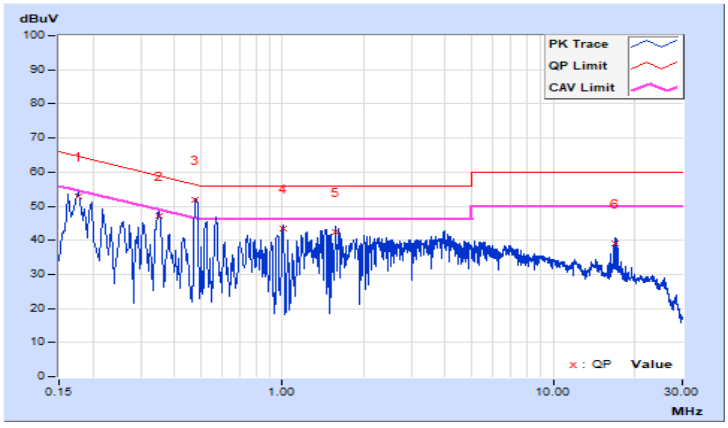


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	**Environmental Conditions**	23 °C, 72% RH
Tested by	Vincent Chen	**Test Date**	2022/4/6

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	0.17754	10.17	42.66	34.33	52.83	44.50	64.60	54.60	-11.77	-10.10
2	0.35000	10.24	37.03	33.45	47.27	43.69	58.96	48.96	-11.69	-5.27
3	0.47800	10.27	41.47	34.05	51.74	44.32	56.37	46.37	-4.63	-2.05
4	1.00600	10.31	33.18	28.36	43.49	38.67	56.00	46.00	-12.51	-7.33
5	1.56600	10.34	32.10	24.31	42.44	34.65	56.00	46.00	-13.56	-11.35
6	16.88600	10.67	28.34	26.36	39.01	37.03	60.00	50.00	-20.99	-12.97

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



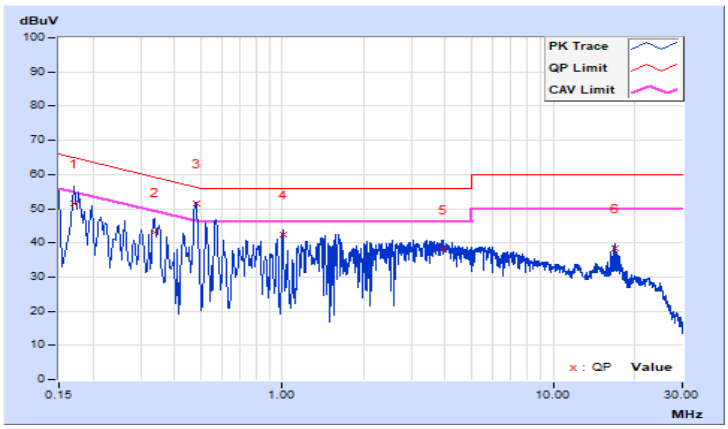
Mode D

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	48Vdc	Environmental Conditions	23 °C, 72% RH
Tested by	Vincent Chen	Test Date	2022/4/6

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	0.17000	10.14	41.54	32.80	51.68	42.94	64.96	54.96	-13.28	-12.02
2	0.33800	10.22	32.95	21.07	43.17	31.29	59.25	49.25	-16.08	-17.96
3	0.48063	10.25	41.26	34.75	51.51	45.00	56.33	46.33	-4.82	-1.33
4	1.00600	10.30	32.16	27.15	42.46	37.45	56.00	46.00	-13.54	-8.55
5	3.90600	10.40	27.62	17.38	38.02	27.78	56.00	46.00	-17.98	-18.22
6	16.88600	10.55	27.93	25.66	38.48	36.21	60.00	50.00	-21.52	-13.79

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

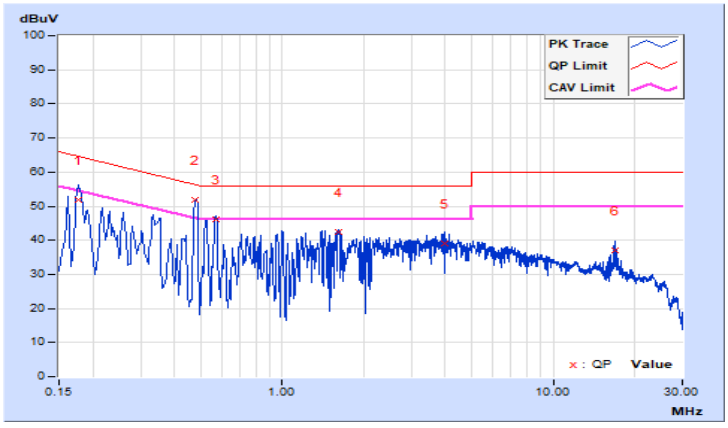


Frequency Range	150kHz ~ 30MHz	**Detector Function & Resolution Bandwidth**	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	48Vdc	**Environmental Conditions**	23 °C, 72% RH
Tested by	Vincent Chen	**Test Date**	2022/4/6

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	0.17800	10.17	41.52	33.59	51.69	43.76	64.58	54.58	-12.89	-10.82
2	0.47684	10.27	41.43	34.00	51.70	44.27	56.39	46.39	-4.69	-2.12
3	0.56591	10.27	35.94	34.05	46.21	44.32	56.00	46.00	-9.79	-1.68
4	1.61400	10.34	32.11	26.37	42.45	36.71	56.00	46.00	-13.55	-9.29
5	3.95400	10.40	28.54	16.16	38.94	26.56	56.00	46.00	-17.06	-19.44
6	16.89000	10.67	26.43	23.99	37.10	34.66	60.00	50.00	-22.90	-15.34

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

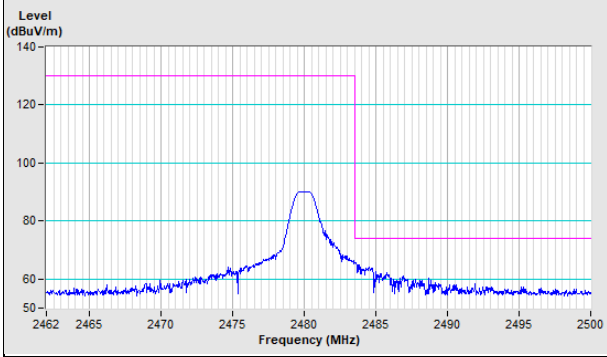
Please refer to the attached file (Test Setup Photo).

Annex A- Band Edge Measurement

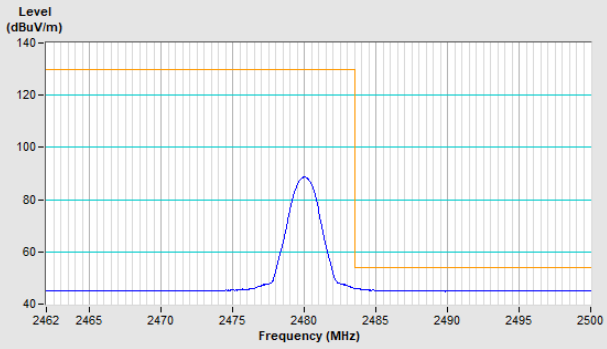
<LE 4.0>
Mode A

BT-LE 1M Channel 39

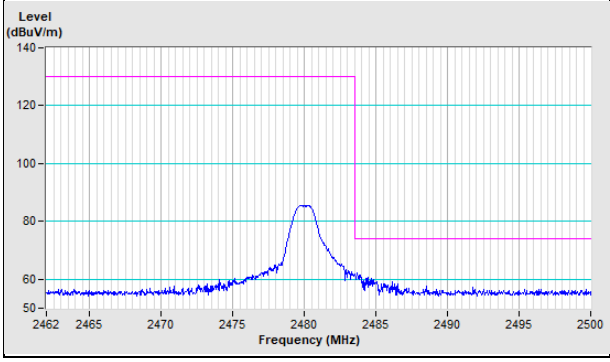
Horizontal (Peak)



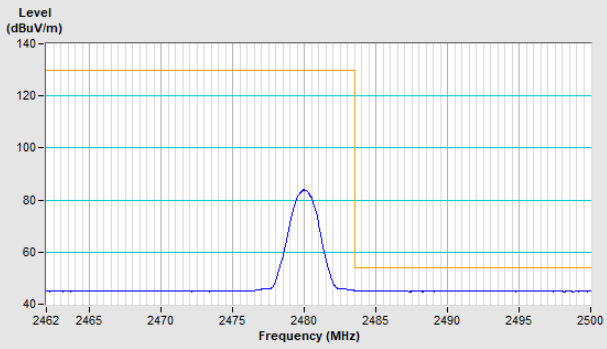
Horizontal (Average)



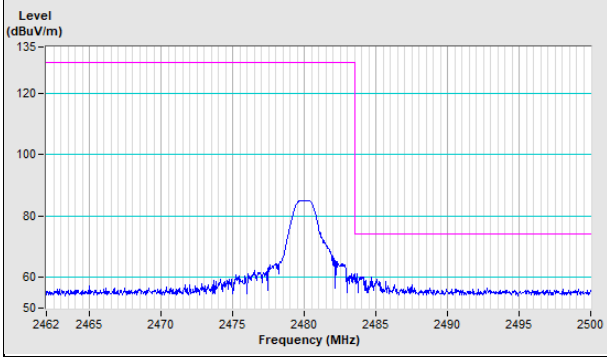
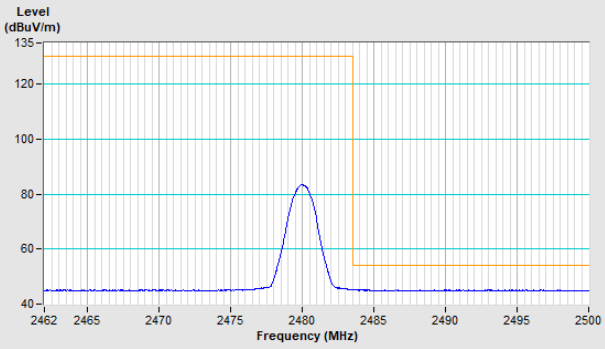
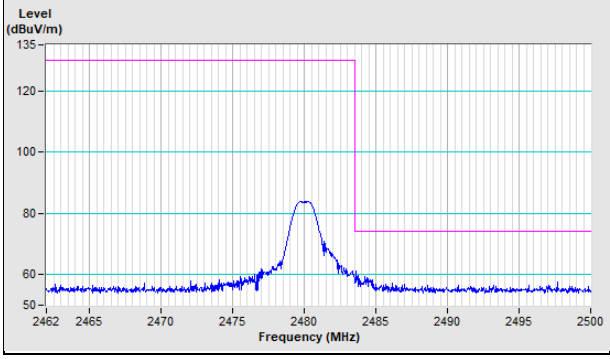
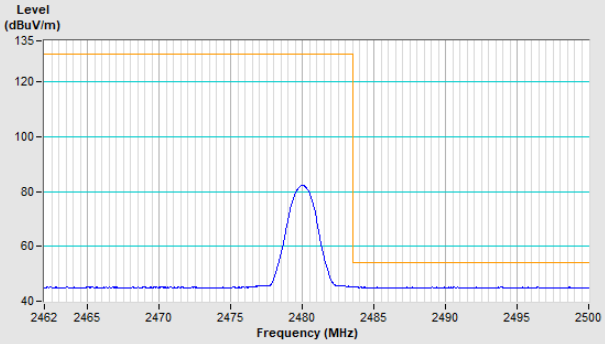
Vertical (Peak)



Vertical (Average)



Mode D

BT-LE 1M Channel 39	
Horizontal (Peak)	Horizontal (Average)
	
Vertical (Peak)	Vertical (Average)
	

Appendix – Information of the Testing Laboratories

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

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

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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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