

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBBUI-WTW-P25050503-9
FCC ID: TX2-RTL8922DE
Product: 11be RTL8922DE Combo module
Brand: REALTEK
Model No.: RTL8922DE
Received Date: 2025/5/23
Test Date: 2026/1/28 ~ 2026/6/5
Issued Date: 2026/7/13

Applicant: Realtek Semiconductor Corp.
Address: No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory
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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan
FCC Registration / 723255 / TW2022
Designation Number:

Approved by: _____

Wen Yu / Assistant Manager

, Date: _____

2026/7/13

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Prepared by : Phoenix Huang / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBBUI-WTW-P25050503-9	Original release.	2026/7/13

1 Certificate

Product: 11be RTL8922DE Combo module

Brand: REALTEK

Test Model: RTL8922DE

Sample Status: Engineering sample

Applicant: Realtek Semiconductor Corp.

Test Date: 2026/1/28 ~ 2026/6/5

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Measurement ANSI C63.10-2020

procedure: KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

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.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247(b)	RF Output Power	Pass	Meet the requirement of limit.
15.247(e)	Power Spectral Density	Pass	Meet the requirement of limit.
15.247(a)(2)	6 dB Bandwidth	Pass	Meet the requirement of limit.
15.247(d)	Conducted Out of Band Emissions	Pass	Meet the requirement of limit.
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -9.38 dB at 0.15781 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -3.1 dB at 40.50 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	Pass	Minimum passing margin is -2.6 dB at 2483.50 MHz
15.203	Antenna Requirement	Pass	Antenna connector is IPEX, MHF4, MHF4L not a standard connector.

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:

Parameter	Specification	Uncertainty (±)
RF Output Power	-	1.1 dB
Power Spectral Density	-	1.3 dB
6 dB Bandwidth	-	1050.00 Hz
Conducted Out of Band Emissions	9 kHz ~ 40 GHz	2.6 dB
AC Power Conducted Emissions	150 kHz ~ 30 MHz	1.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.1 dB
	30 MHz ~ 1 GHz	5.4 dB
Unwanted Emissions above 1 GHz	1 GHz ~ 18 GHz	5.0 dB
	18 GHz ~ 40 GHz	5.3 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description

Product	11be RTL8922DE Combo module
Brand	REALTEK
Test Model	RTL8922DE
Status of EUT	Engineering sample
Power Supply Rating	3.3 Vdc from host equipment
Modulation Type	BT-LE / LE_Coded: GFSK LE HDT: pi/4-QPSK / 8PSK / 16QAM
Modulation Technology	DTS
Transfer Rate	BT-LE: Up to 2 Mbps LE_Coded: 125 kbps, 500 kbps LE HDT: Up to 7.5 Mbps
Operating Frequency	2.402 GHz ~ 2.48 GHz
Number of Channel	40
Output Power	68.667 mW (18.37 dBm)

Note:

1. The EUT has two SKUs, please following table:

SKU No.	Components
1	With Flash
2	Without Flash

2. There are Bluetooth and WLAN (2.4 GHz & 5 GHz & 6 GHz) technology used for the EUT.

3. Simultaneously transmission combination.

1Tx		
Combination	Technology	
	S0 (Chain 1)	S1 (Chain 0)
1	WLAN (5 GHz)_H	Bluetooth + WLAN (5 GHz)_L
2	WLAN (6 GHz)	Bluetooth + WLAN (5 GHz)_H
3	WLAN (5 GHz)_H	Bluetooth + WLAN (6 GHz)
4	WLAN (2.4 GHz)	WLAN (5 GHz)_Full
5	WLAN (2.4 GHz)	WLAN (6 GHz)
6	WLAN (5 GHz)_Full	Bluetooth
7	WLAN (6 GHz)	Bluetooth
2Tx		
1	WLAN (5 GHz)_H + Bluetooth	WLAN (5 GHz)_H + Bluetooth
2	WLAN (5 GHz)_H	WLAN (5 GHz)_H + Bluetooth
3	WLAN (6 GHz) + Bluetooth	WLAN (6 GHz) + Bluetooth

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

4. 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.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Set	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0/1	REALTEK	RTK-ANT-0022	3.4	2.4~2.4835	PIFA	IPEX, MHF4	300
				5	5.15~5.895			
				5	5.925~7.125			
2	Chain0/1	HongBo	260-25096	3.11	2.4~2.4835	Monopole	MHF4L	300
				4.91	5.15~5.895			
				4.73	5.925~7.125			
3	Chain0/1	ARISTOTLE	RFA-27-C38H1-MHF4300	3	2.4~2.4835	Dipole	IPEX, MHF4	300
				5	5.15~5.895			
				5	5.925~7.125			

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

3.3 Channel List

40 channels are provided for BT-LE:

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

*. The channels 2402 MHz, 2426 MHz and 2480 MHz are used for primary advertising only, and these advertisement packets are never being sent over the these PHYs.

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. The EUT includes two HW SKU: SKU No.1(with flash), SKU No.2(w/o flash). Pre-scan in these SKUs and find the worst case as a test condition. 2. The PIFA/ monopole / dipole antenna can be used in the following ways: X / Y / Z axis. Pre-scan in these ways and find the worst case as a representative test condition. 3. For 1Tx diversity configuration. Pre-scan in these chains and find the worst case as a representative test condition. 4. BT-LE 1M, LE-125k, LE-500k of these modes under the same 1Msym/s modulation scheme, but the data rates are different; based on the same modulation scheme, pre-scan all of these modes and find the worst case as a representative test mode 5. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.
Worst Case:	1. The EUT worst case of SKU: SKU NO.1 2. The antenna sets of the worst case was found when positioned on (X / Y / Z axis) ➤ PIFA antenna: Y axis ➤ Monopole antenna :X axis ➤ Dipole antenna: Y axis 3. For 1Tx diversity configuration the worst chain is: Chain 1 4. For 1Msym/s modulation scheme the worst mode is: LE 1M

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

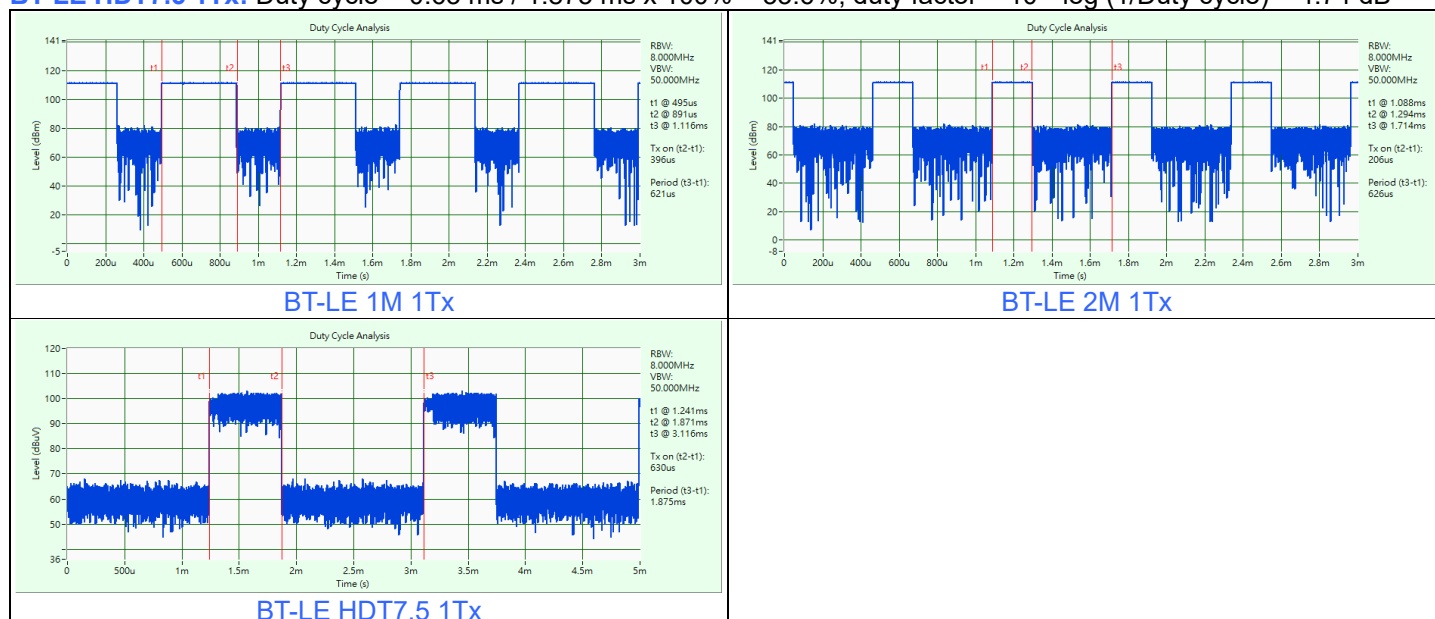
Test Item	EUT Configure Mode	Transmitter Configuration	Mode	Tested Channel	Modulation	Data Rate Parameter
RF Output Power	-	1Tx/ 2Tx	BT-LE 125k	0, 19, 39	GFSK	125kb/s
			BT-LE 500k	0, 19, 39	GFSK	500kb/s
			BT-LE 1M	0, 19, 39	GFSK	1Mb/s
			BT-LE 2M	1, 19, 38	GFSK	2Mb/s
			BT-LE HDT2	1, 19, 38	QPSK	2Mb/s
			BT-LE HDT3	1, 19, 38	QPSK	3Mb/s
			BT-LE HDT4	1, 19, 38	8PSK	4Mb/s
			BT-LE HDT6	1, 19, 38	16QAM	6Mb/s
Power Spectral Density	-	1Tx/ 2Tx	BT-LE HDT7.5	1, 19, 38	16QAM	7.5Mb/s
			BT-LE 1M	0, 19, 39	GFSK	1Mb/s
			BT-LE 2M	1, 19, 38	GFSK	2Mb/s
6 dB Bandwidth / Conducted Out of Band Emissions	-	1Tx/ 2Tx	BT-LE HDT7.5	1, 19, 38	16QAM	7.5Mb/s
			BT-LE 1M	0, 19, 39	GFSK	1Mb/s
			BT-LE 2M	1, 19, 38	GFSK	2Mb/s
AC Power Conducted Emissions	A	2Tx	BT-LE 2M	19	GFSK	2Mb/s
Unwanted Emissions below 1 GHz	A, B, C	1Tx	BT-LE 1M	19	GFSK	1Mb/s
		2Tx	BT-LE 2M	19	GFSK	2Mb/s
Unwanted Emissions above 1 GHz	A, B, C	1Tx/ 2Tx	BT-LE 1M	0, 19, 39	GFSK	1Mb/s
			BT-LE 2M	1, 19, 38	GFSK	2Mb/s
			BT-LE HDT7.5	1, 19, 38	QPSK	7.5Mb/s
EUT Configure Mode:	A	PIFA antenna (Model: RTK-ANT-0022)				
	B	Monopole antenna (Model: 260-25096)				
	C	Dipole antenna (Model: RFA-27-C38H1-MHF4300)				

3.5 Duty Cycle of Test Signal

BT-LE 1M 1Tx: Duty cycle = $0.396 \text{ ms} / 0.621 \text{ ms} \times 100\% = 63.8\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 1.95 \text{ dB}$

BT-LE 2M 1Tx: Duty cycle = $0.206 \text{ ms} / 0.626 \text{ ms} \times 100\% = 32.9\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 4.83 \text{ dB}$

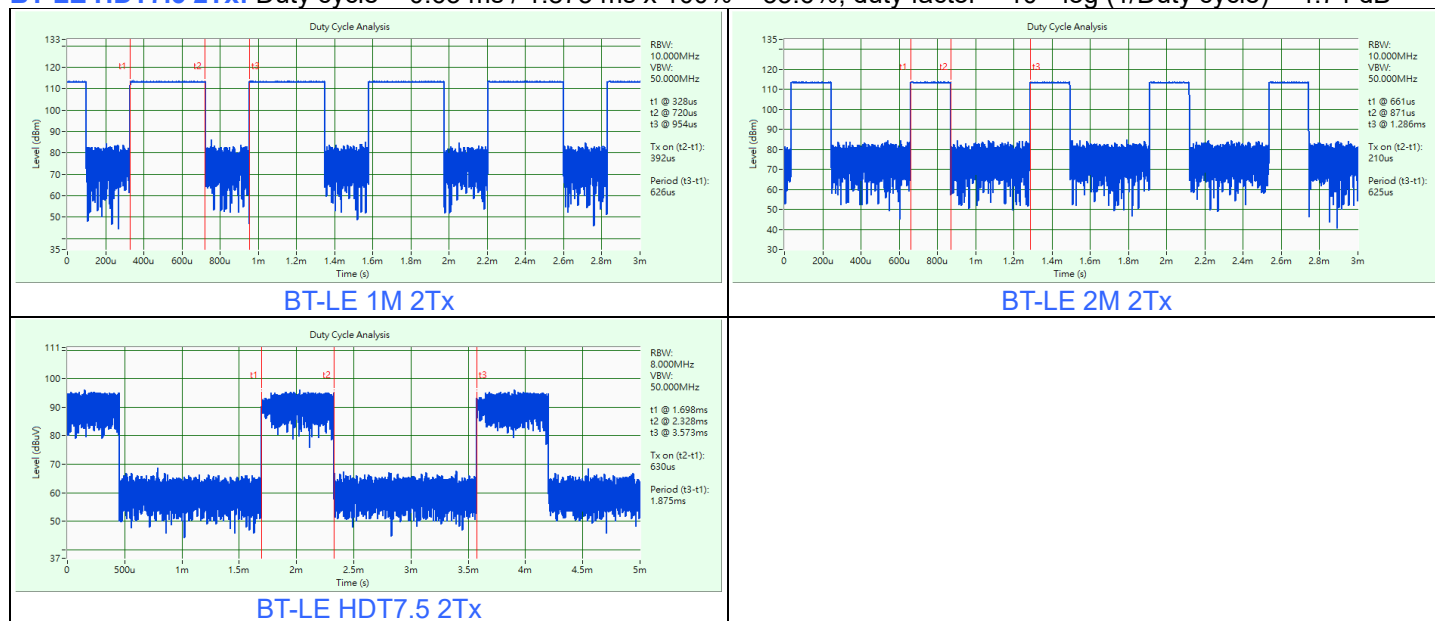
BT-LE HDT7.5 1Tx: Duty cycle = $0.63 \text{ ms} / 1.875 \text{ ms} \times 100\% = 33.6\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 4.74 \text{ dB}$



BT-LE 1M 2Tx: Duty cycle = $0.392 \text{ ms} / 0.626 \text{ ms} \times 100\% = 62.6\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 2.03 \text{ dB}$

BT-LE 2M 2Tx: Duty cycle = $0.21 \text{ ms} / 0.625 \text{ ms} \times 100\% = 33.6\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 4.74 \text{ dB}$

BT-LE HDT7.5 2Tx: Duty cycle = $0.63 \text{ ms} / 1.875 \text{ ms} \times 100\% = 33.6\%$, duty factor = $10 * \log (1/\text{Duty cycle}) = 4.74 \text{ dB}$



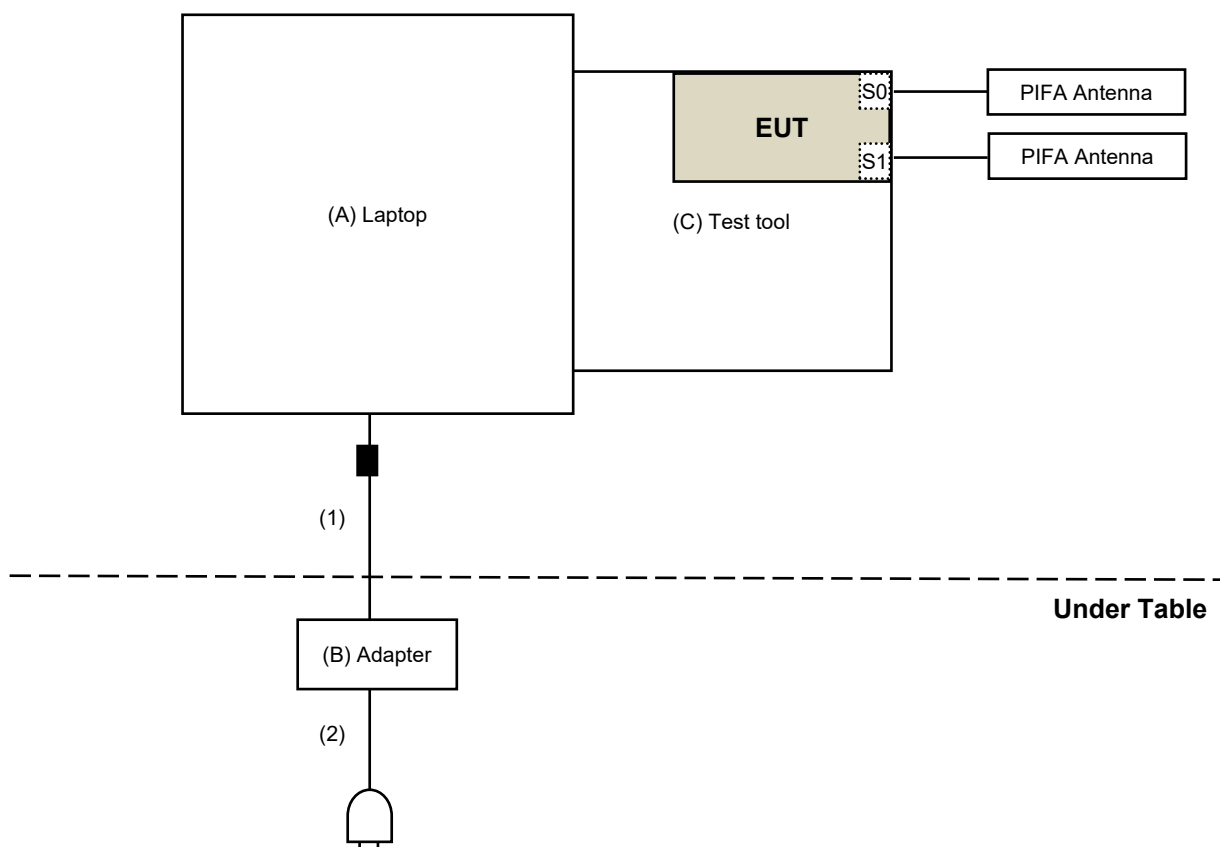
3.6 Test Program Used and Operation Descriptions

Controlling software (MP Driver version 8664.1.722.2025 (2025/07/22)) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

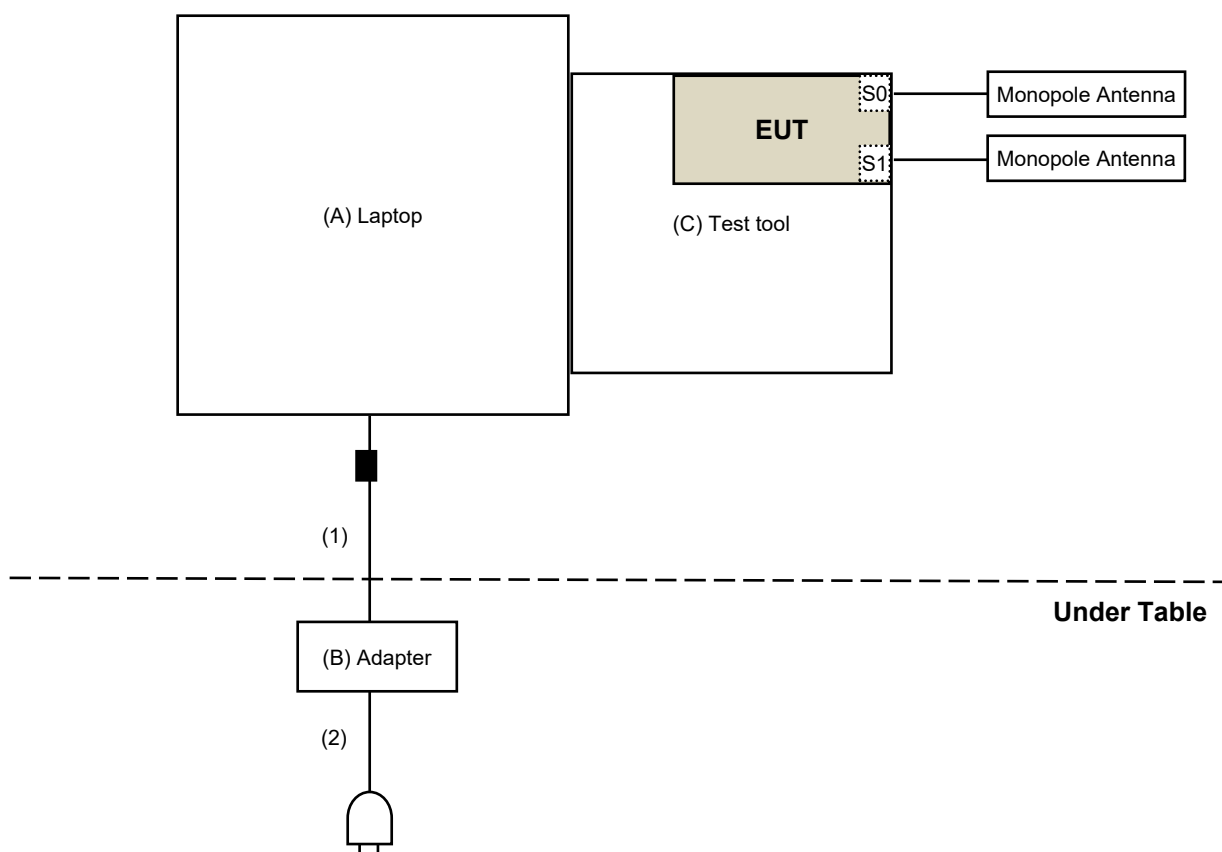
3.7 Connection Diagram of EUT and Peripheral Devices

For Unwanted Emissions test:

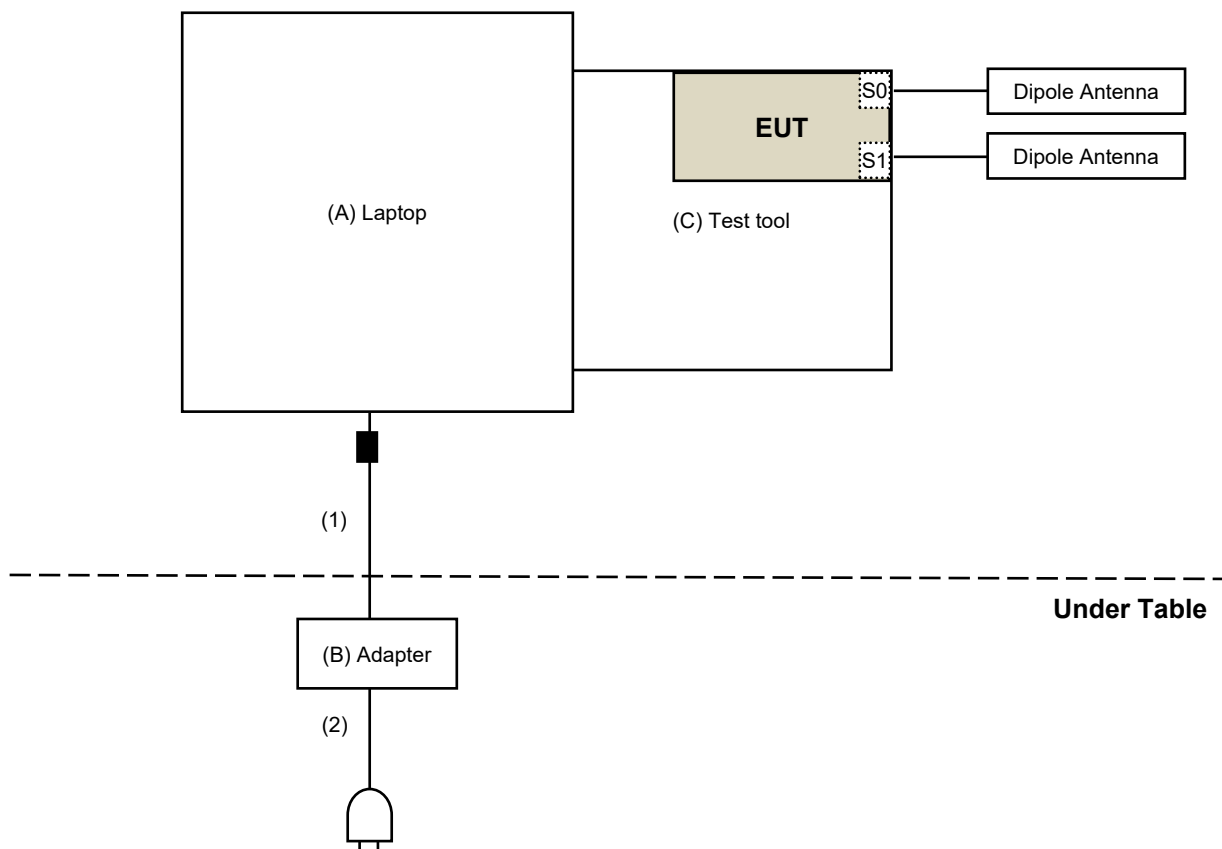
Mode A:



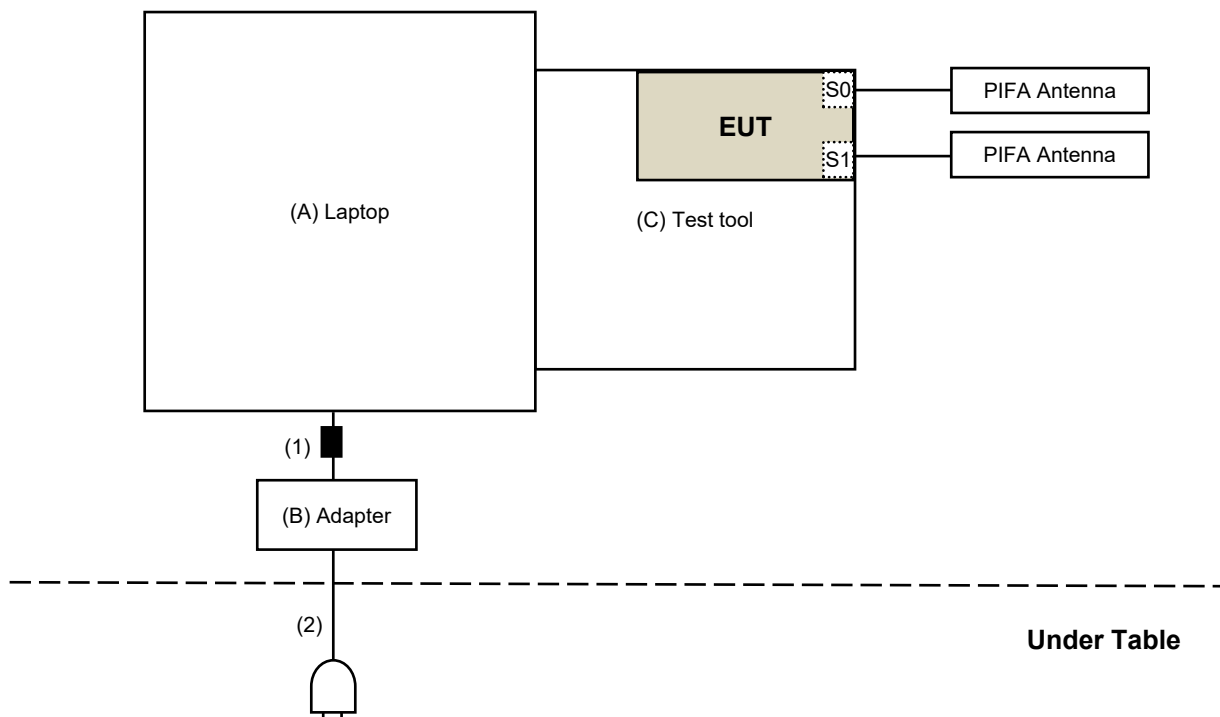
Mode B



Mode C



For AC Power Conducted Emission test:



3.8 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Laptop	DELL	E6230	9CGDLX1	N/A	Provided by Lab
B	Adaptor	DELL	AA65NM121	N/A	N/A	Provided by Lab
C	Test tool	REALTEK	N/A	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.5	No	1	Provided by Lab
2	AC Cable	1	0.8	No	0	Provided by Lab

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 RF Output Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-20	00800A1K01A-20-02	2025/5/23	2026/5/22
Pulse Power Sensor Anritsu	MA2411B	1726434	2025/6/3	2026/6/2
RF Power Meter Anritsu	ML2495A	1529002	2025/6/3	2026/6/2

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/1/28 ~ 2026/5/20

4.2 Power Spectral Density

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23 2026/5/21	2026/5/22 2027/5/20
PXA Signal Analyzer Keysight	N9030A	MY55330160	2026/1/20	2027/1/19
Software	ADT_RF Test Software v8.5.6.4	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Oven room 2(Hsinchu).
2. Tested Date: 2026/1/28 ~ 2026/6/5

4.3 6 dB Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

4.4 Conducted Out of Band Emissions

Refer to section 4.2 to get the tested date and information of the instruments.

4.5 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance Telegartner	50 ohm	3	2025/10/29	2026/10/28
EMI Test Receiver R&S	ESCS 30	100375	2026/5/20	2027/5/19
Fixed Attenuator STI	STI02-2200-10	005	2026/2/9	2027/2/8
LISN R&S	ESH3-Z5	835239/001	2026/3/30	2027/3/29
		848773/004	2025/10/3	2026/10/2
RF Coaxial Cable JYEBAO	5D-FB	COCCAB-001	2026/2/9	2027/2/8
Software BVADT	BVADT_Conc_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in HC - Conduction 1(Hsinchu).
2. Tested Date: 2026/5/21

4.6 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-361	2025/9/16	2026/9/15
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Fixed Attenuator Woken	00800N1G01A-05	00800N1G01A-05-003	2026/1/31	2027/1/30
Loop Antenna TESEQ	HLA 6121	63620	2025/10/20	2026/10/19
MXE EMI Receiver Agilent	N9038A	MY50010156	2025/6/5	2026/6/4
Preamplifier EMCI	EMC330N	980852	2026/1/31	2027/1/30
RF Coaxial Cable PEWC	8D	001	2026/1/31	2027/1/30
		966-3-2	2026/1/31	2027/1/30
		966-3-3	2026/1/31	2027/1/30
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 3(Hsinchu).
2. Tested Date: 2026/5/22

4.7 Unwanted Emissions above 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	N/A	N/A
Fix tool for Boresight antenna tower BV	FBA-01	FBA_SIP01	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-406	2025/11/9	2026/11/8
	BBHA 9170	9170-739	2025/11/9	2026/11/8
MXE EMI Receiver Agilent	N9038A	MY50010156	2025/6/5	2026/6/4
Preamplifier EMCI	EMC12630SE	980384	2026/1/10	2027/1/9
	EMC184045SE	980387	2025/8/7	2026/8/6
PXA Signal Analyzer Keysight	N9030B	MY57141948	2025/5/20	2026/5/19
RF Coaxial Cable EMCI	EMC102-KM-KM-1200	160924	2026/1/15	2027/1/14
	EMC102-KM-KM-4000	200214	2026/1/15	2027/1/14
	EMC104-SM-SM-1500	180504	2026/1/17	2027/1/16
	EMC104-SM-SM-2000	180601	2026/1/17	2027/1/16
	EMC104-SM-SM-6000	210201	2026/1/17	2027/1/16
Software	ADT_Radiated_V8.7.08	N/A	N/A	N/A

Notes:

1. The test was performed in HC - 966 Chamber No. 3(Hsinchu).
2. Tested Date: 2026/3/23 ~ 2026/5/18

5 Limits of Test Items

5.1 RF Output Power

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30 dBm)

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

5.2 Power Spectral Density

The Maximum of Power Spectral Density Measurement is 8 dBm in any 3 kHz.

5.3 6 dB Bandwidth

The minimum of 6 dB Bandwidth Measurement is 0.5 MHz.

5.4 Conducted Out of Band Emissions

Below 20 dB of the highest emission level of operating band (in 100 kHz Resolution Bandwidth).

5.5 AC Power Conducted Emissions

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

Notes:

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 0.50 MHz.

5.6 Unwanted Emissions below 1 GHz

Radiated emissions up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB 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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

5.7 Unwanted Emissions above 1 GHz

Radiated emissions above 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
Above 960	500	3

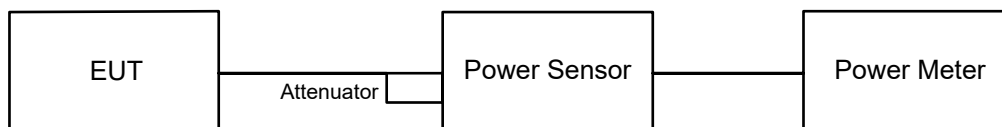
Notes:

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 1000 MHz, 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 20 dB under any condition of modulation.

6 Test Arrangements

6.1 RF Output Power

6.1.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

6.1.2 Test Procedure

Peak Power:

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

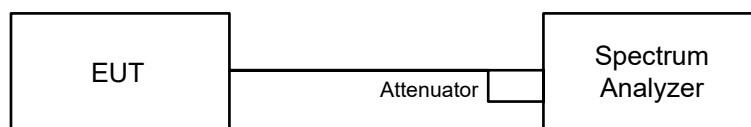
The power meter video bandwidth is greater than or equal to the DTS bandwidth and use a fast responding diode detector.

Average Power:

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

6.2 Power Spectral Density

6.2.1 Test Setup



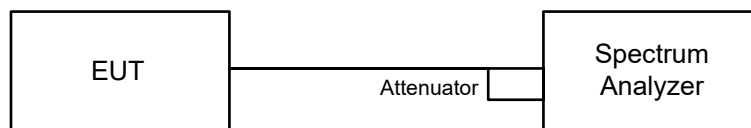
Note: The correction factor has already been compensated by the instrument.

6.2.2 Test Procedure

- Set analyzer center frequency to DTS channel center frequency.
- Set the span > 1.5 times the DTS bandwidth.
- Set the RBW to: 3 kHz.
- Set the VBW $\geq 3 \times$ RBW.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

6.3 6 dB Bandwidth

6.3.1 Test Setup



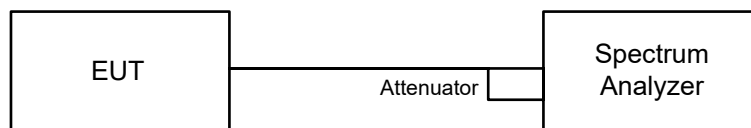
Note: The correction factor has already been compensated by the instrument.

6.3.2 Test Procedure

- a. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b. Set the VBW $\geq [3 \times \text{RBW}]$.
- c. Detector = peak.
- d. Trace mode = max-hold.
- e. Sweep = No faster than coupled (auto) time.
- f. Allow the trace to stabilize.
- g. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

6.4 Conducted Out of Band Emissions

6.4.1 Test Setup



Note: The correction factor has already been compensated by the instrument.

6.4.2 Test Procedure

MEASUREMENT PROCEDURE REF

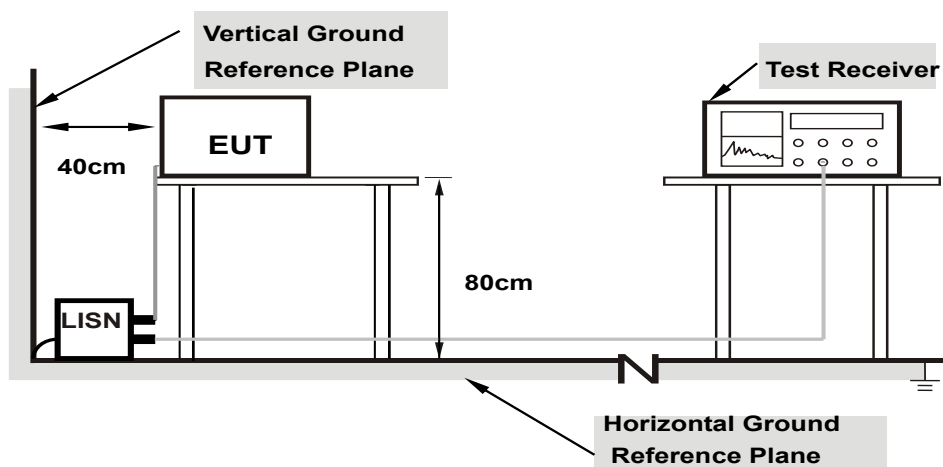
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

MEASUREMENT PROCEDURE OOB

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.
- Set RBW = 100 kHz.
- Set VBW ≥ 300 kHz.
- Detector = peak.
- Sweep = No faster than coupled (auto) time.
- Trace Mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

6.5 AC Power Conducted Emissions

6.5.1 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).

6.5.2 Test Procedure

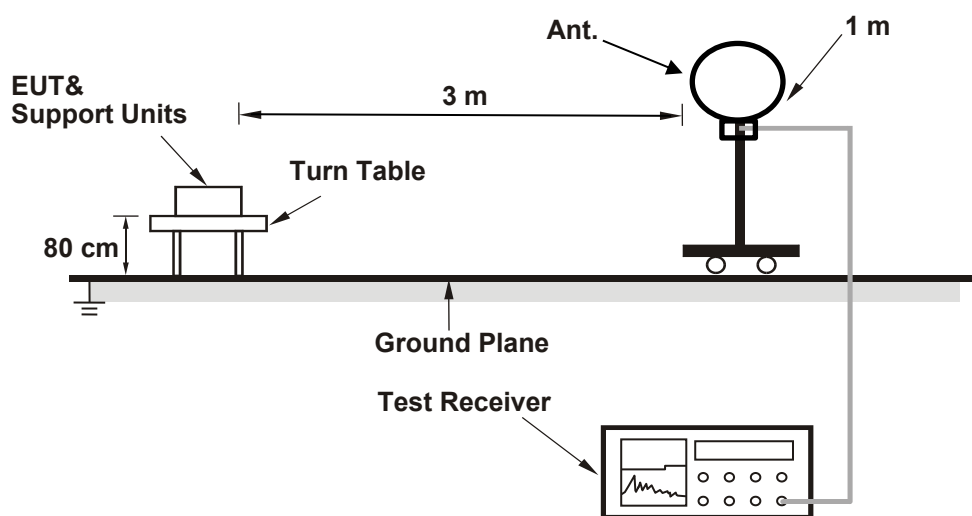
- Exploratory ac power-line conducted emission measurements: The EUT shall be operated on the mid channel and in the mode with highest output power unless the fundamental operates in the AC power-line emission test range then the EUT shall be operated in the range of typical modes of operation.
- The EUT was placed on a 0.8 meter to the top of table and 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/ 50 uH 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 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

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

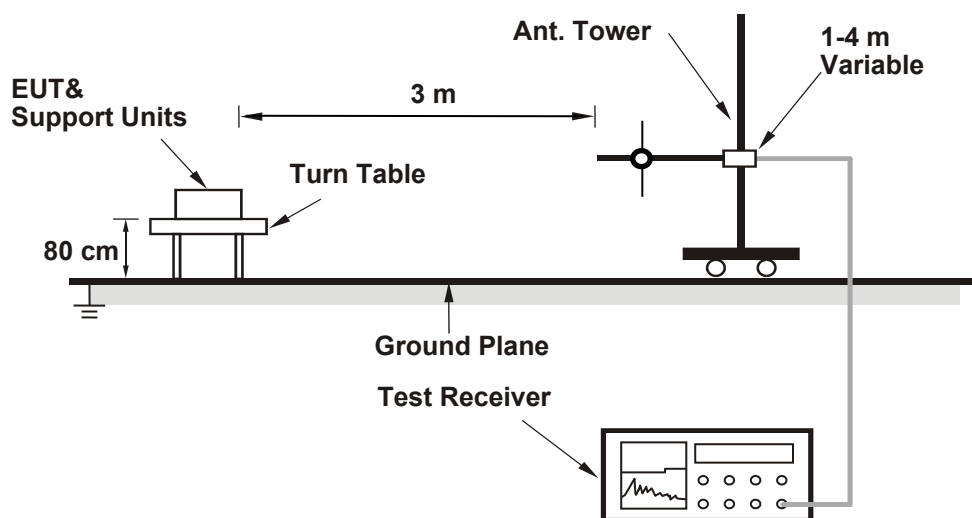
6.6 Unwanted Emissions below 1 GHz

6.6.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.6.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters 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. 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 (however, peak detector measurements may be used to determine compliance with QP requirements), except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

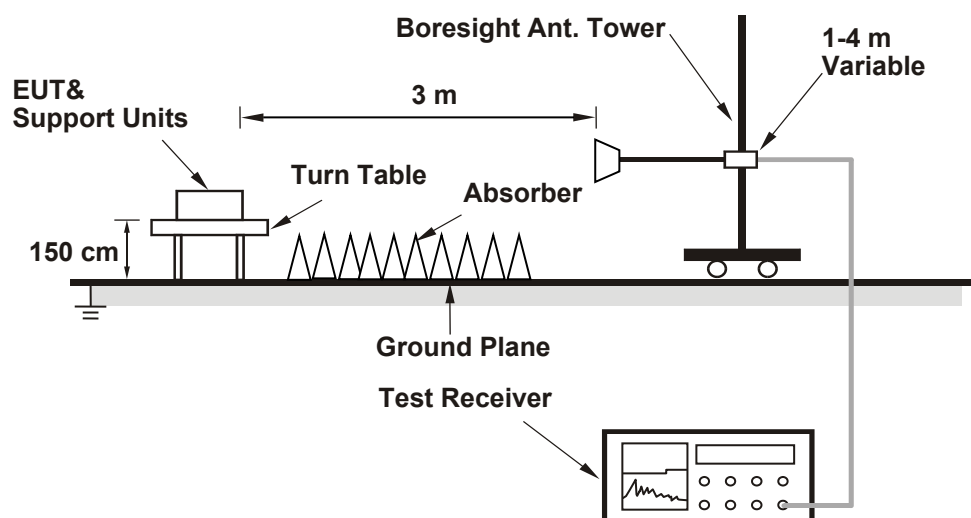
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequencies less than or equal to 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz (however, peak detector measurements may be used to determine compliance with QP requirements).
2. All modes of operation were investigated and the worst-case emissions are reported.

6.7 Unwanted Emissions above 1 GHz

6.7.1 Test Setup



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

6.7.2 Test Procedure

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver/spectrum analyzer 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.

Notes:

- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) and Average detection (AV) at frequency above 1 GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

7.1 RF Output Power

1Tx

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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For Peak Power

BT-LE 125k 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	16.749	12.24	30	Pass
19	2440	18.535	12.68	30	Pass
39	2480	17.458	12.42	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE 500k 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	16.711	12.23	30	Pass
19	2440	17.865	12.52	30	Pass
39	2480	16.943	12.29	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE 1M 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
0	2402	16.788	12.25	30	Pass
19	2440	17.989	12.55	30	Pass
39	2480	17.62	12.46	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE 2M 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	17.989	12.55	30	Pass
19	2440	18.923	12.77	30	Pass
38	2478	18.239	12.61	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE HDT2 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	21.528	13.33	30	Pass
19	2440	23.174	13.65	30	Pass
38	2478	24.044	13.81	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE HDT3 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	20.37	13.09	30	Pass
19	2440	23.55	13.72	30	Pass
38	2478	26.002	14.15	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE HDT4 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	21.979	13.42	30	Pass
19	2440	27.29	14.36	30	Pass
38	2478	26.546	14.24	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE HDT6 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	31.842	15.03	30	Pass
19	2440	35.727	15.53	30	Pass
38	2478	34.754	15.41	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

BT-LE HDT7.5 1Tx

Chan.	Chan. Freq. (MHz)	Peak Power (mW)	Peak Power (dBm)	Power Limit (dBm)	Test Result
1	2404	34.834	15.42	30	Pass
19	2440	34.995	15.44	30	Pass
38	2478	37.239	15.71	30	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the output power limit shall not be reduced.

For Average Power

BT-LE 125k 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	15.922	12.02
19	2440	17.338	12.39
39	2480	16.331	12.13

BT-LE 500k 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	15.922	12.02
19	2440	16.904	12.28
39	2480	16.181	12.09

BT-LE 1M 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
0	2402	15.922	12.02
19	2440	16.788	12.25
39	2480	16.255	12.11

BT-LE 2M 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	15.885	12.01
19	2440	17.1	12.33
38	2478	16.331	12.13

BT-LE HDT2 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	10.495	10.21
19	2440	11.508	10.61
38	2478	10.691	10.29

BT-LE HDT3 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	10.52	10.22
19	2440	11.668	10.67
38	2478	11.092	10.45

BT-LE HDT4 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	10.641	10.27
19	2440	11.614	10.65
38	2478	11.35	10.55

BT-LE HDT6 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	10.765	10.32
19	2440	11.776	10.71
38	2478	11.535	10.62

BT-LE HDT7.5 1Tx

Chan.	Chan. Freq. (MHz)	Average Power (mW)	Average Power (dBm)
1	2404	11.429	10.58
19	2440	11.803	10.72
38	2478	12.274	10.89

2Tx

Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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For Peak Power

BT-LE 125k 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
0	2402	11.93	12.19	32.153	15.07	29.59	Pass
19	2440	12.33	12.44	34.639	15.40	29.59	Pass
39	2480	12.05	12.25	32.82	15.16	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

BT-LE 500k 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
0	2402	12.08	12.15	32.549	15.13	29.59	Pass
19	2440	12.28	12.39	34.242	15.35	29.59	Pass
39	2480	12.16	12.24	33.193	15.21	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

BT-LE 1M 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
0	2402	11.71	12.06	30.895	14.90	29.59	Pass
19	2440	11.98	12.20	32.372	15.10	29.59	Pass
39	2480	11.85	12.11	31.566	14.99	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

BT-LE 2M 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	12.13	12.51	34.154	15.33	29.59	Pass
19	2440	12.39	12.78	36.305	15.60	29.59	Pass
38	2478	12.21	12.62	34.915	15.43	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.41-6) = 29.59$ dBm.

BT-LE HDT2 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	13.24	13.12	41.598	16.19	29.59	Pass
19	2440	13.58	13.41	44.731	16.51	29.59	Pass
38	2478	13.74	12.89	43.113	16.35	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.41-6) = 29.59$ dBm.

BT-LE HDT3 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	12.93	13.24	40.72	16.10	29.59	Pass
19	2440	13.68	13.25	44.469	16.48	29.59	Pass
38	2478	13.95	13.20	45.724	16.60	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.41-6) = 29.59$ dBm.

BT-LE HDT4 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	13.33	13.75	45.242	16.56	29.59	Pass
19	2440	14.25	13.65	49.781	16.97	29.59	Pass
38	2478	14.12	13.57	48.574	16.86	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30-(6.41-6) = 29.59$ dBm.

BT-LE HDT6 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	14.90	14.91	61.877	17.92	29.59	Pass
19	2440	15.41	14.96	66.086	18.20	29.59	Pass
38	2478	15.30	14.82	64.223	18.08	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

BT-LE HDT7.5 2Tx

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Test Result
		Chain 0	Chain 1				
1	2404	15.34	15.02	65.967	18.19	29.59	Pass
19	2440	15.38	15.05	66.503	18.23	29.59	Pass
38	2478	15.60	15.10	68.667	18.37	29.59	Pass

Notes:

1. Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
2. The directional gain is 6.41 dBi > 6 dBi, so the output power limit shall be reduced to $30 - (6.41 - 6) = 29.59$ dBm.

For Average Power

BT-LE 125k 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
0	2402	11.68	12.07	30.83	14.89
19	2440	12.05	12.20	32.628	15.14
39	2480	11.70	12.12	31.084	14.93

BT-LE 500k 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
0	2402	11.73	12.08	31.037	14.92
19	2440	11.96	12.21	32.338	15.10
39	2480	11.85	12.13	31.641	15.00

BT-LE 1M 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
0	2402	11.41	11.60	28.29	14.52
19	2440	11.78	11.98	30.842	14.89
39	2480	11.52	11.73	29.084	14.64

BT-LE 2M 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	11.72	12.01	30.745	14.88
19	2440	11.98	12.29	32.719	15.15
38	2478	11.83	12.12	31.533	14.99

BT-LE HDT2 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	10.12	10.21	20.776	13.18
19	2440	10.52	10.50	22.492	13.52
38	2478	10.21	10.10	20.728	13.17

BT-LE HDT3 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	10.13	10.23	20.848	13.19
19	2440	10.52	10.55	22.622	13.55
38	2478	10.32	10.31	21.505	13.33

BT-LE HDT4 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	10.15	10.31	21.091	13.24
19	2440	10.57	10.61	22.911	13.60
38	2478	10.46	10.39	22.057	13.44

BT-LE HDT6 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	10.20	10.62	22.006	13.43
19	2440	10.60	10.64	23.069	13.63
38	2478	10.50	10.41	22.21	13.47

BT-LE HDT7.5 2Tx

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Average Power (mW)	Total Average Power (dBm)
		Chain 0	Chain 1		
1	2404	10.50	10.60	22.702	13.56
19	2440	10.61	10.64	23.096	13.64
38	2478	10.80	10.50	23.243	13.66

7.2 Power Spectral Density

1Tx

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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BT-LE 1M 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
0	2402	-3.81	8	Pass
19	2440	-3.83	8	Pass
39	2480	-3.92	8	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

BT-LE 2M 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2404	-6.34	8	Pass
19	2440	-6.11	8	Pass
38	2478	-6.05	8	Pass

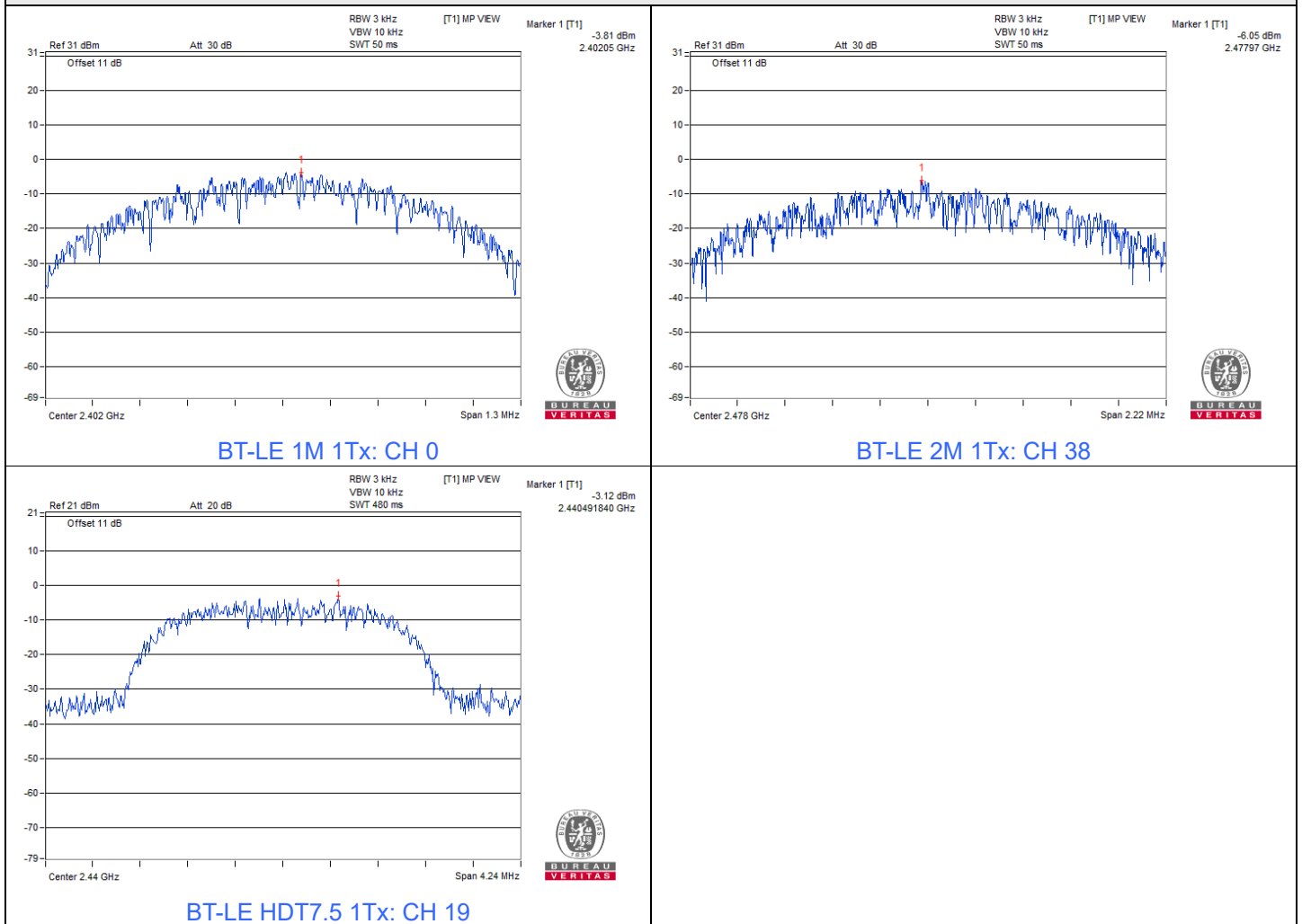
Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

BT-LE HDT7.5 1Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
1	2404	-3.77	8	Pass
19	2440	-3.12	8	Pass
38	2478	-3.33	8	Pass

Note: The antenna gain is 3.4 dBi $\leq$ 6 dBi, so the power density limit shall not be reduced.

Spectrum Plot of Maximum Value



2Tx

Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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BT-LE 1M 2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
0	2402	-3.85	-4.11	-0.97	7.59	Pass
19	2440	-2.03	-1.49	1.26	7.59	Pass
39	2480	-2.90	-2.68	0.22	7.59	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- The directional gain is 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.41-6) = 7.59$ dBm/3kHz.

BT-LE 2M 2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2404	-6.17	-7.20	-3.64	7.59	Pass
19	2440	-4.79	-5.68	-2.20	7.59	Pass
38	2478	-6.49	-5.42	-2.91	7.59	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- The directional gain is 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.41-6) = 7.59$ dBm/3kHz.

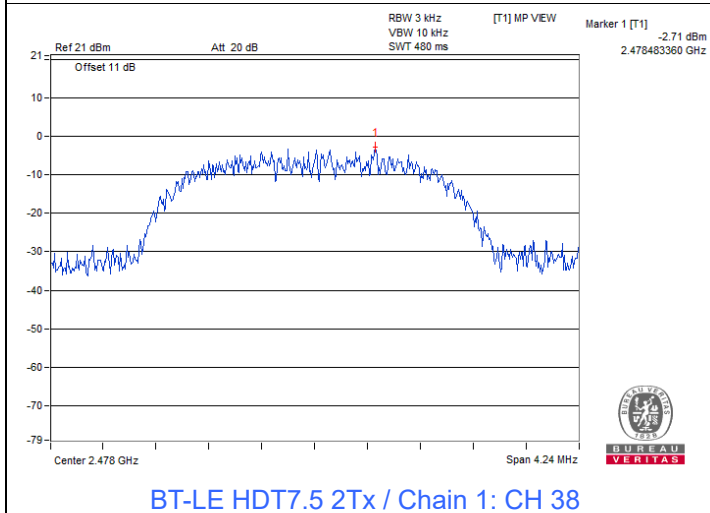
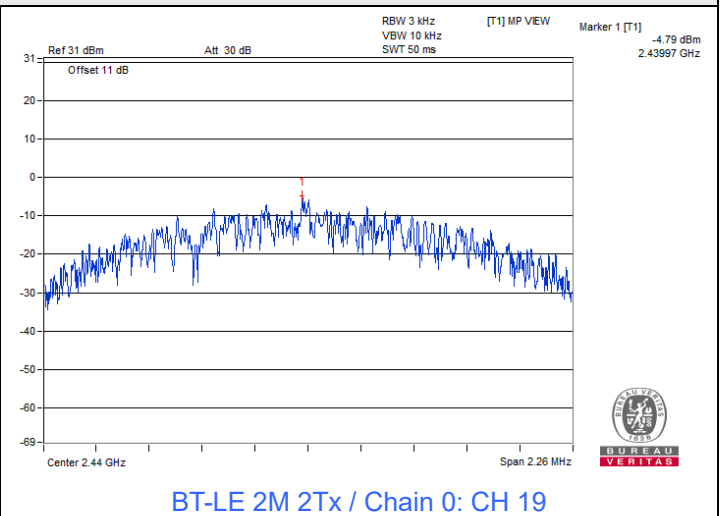
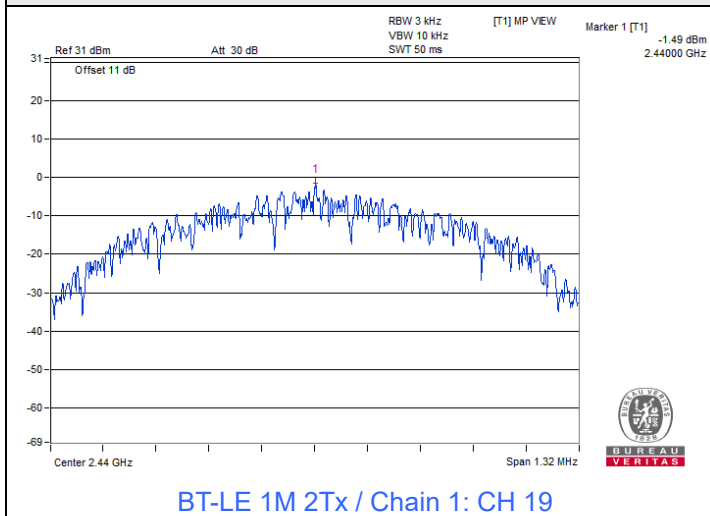
BT-LE HDT7.5 2Tx

Chan.	Chan. Freq. (MHz)	PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)	Test Result
		Chain 0	Chain 1			
1	2404	-3.68	-2.92	-0.27	7.59	Pass
19	2440	-3.34	-2.77	-0.04	7.59	Pass
38	2478	-2.96	-2.71	0.18	7.59	Pass

Notes:

- Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
- Directional gain = gain of antenna element + 10 log (2 of TX antenna elements)
- The directional gain is 6.41 dBi > 6 dBi, so the power density limit shall be reduced to $8-(6.41-6) = 7.59$ dBm/3kHz.

Spectrum Plot of Maximum Value



7.3 6 dB Bandwidth

1Tx

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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BT-LE 1M 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
0	2402	0.65	0.5	Pass
19	2440	0.67	0.5	Pass
39	2480	0.67	0.5	Pass

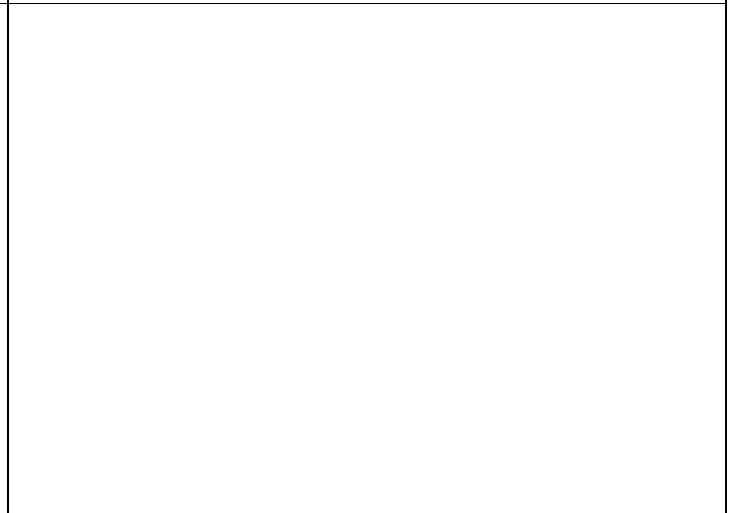
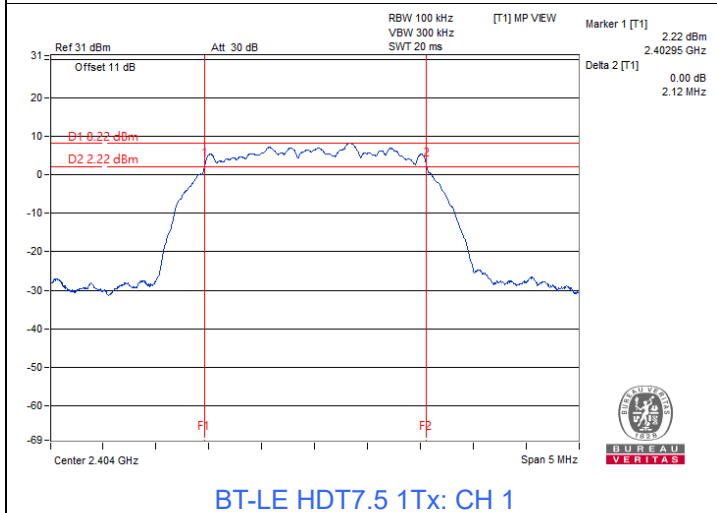
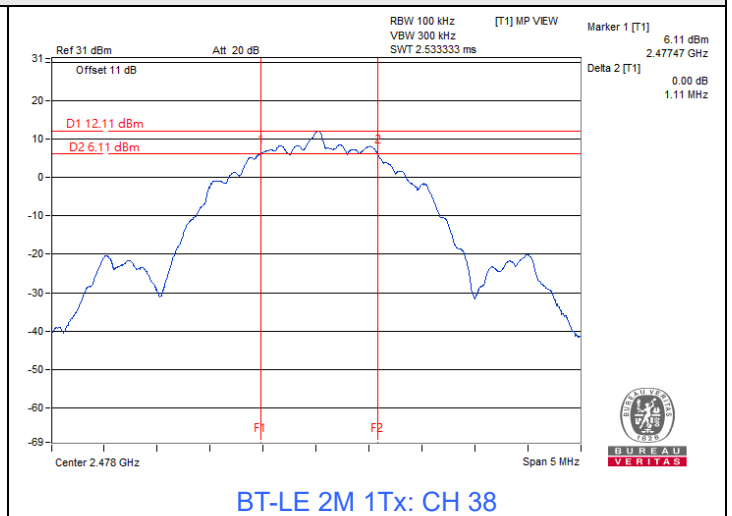
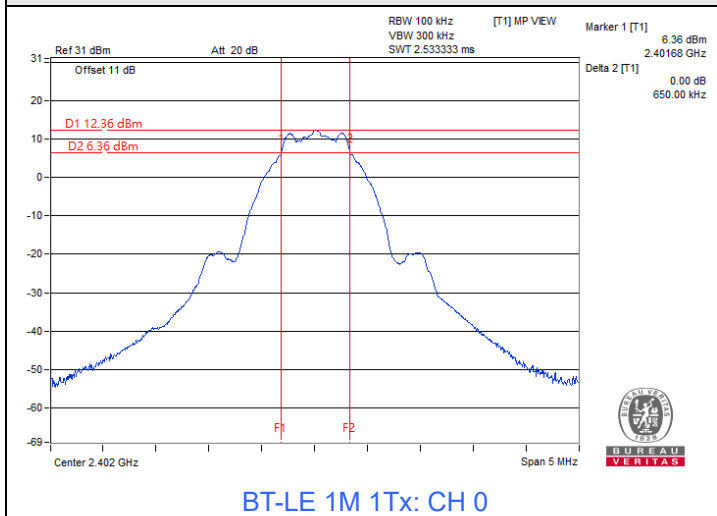
BT-LE 2M 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2404	1.12	0.5	Pass
19	2440	1.12	0.5	Pass
38	2478	1.11	0.5	Pass

BT-LE HDT7.5 1Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Test Result
1	2404	2.12	0.5	Pass
19	2440	2.12	0.5	Pass
38	2478	2.12	0.5	Pass

Spectrum Plot of Minimum Value



2Tx

Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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BT-LE 1M 2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
0	2402	0.66	0.67	0.5	Pass
19	2440	0.65	0.66	0.5	Pass
39	2480	0.67	0.66	0.5	Pass

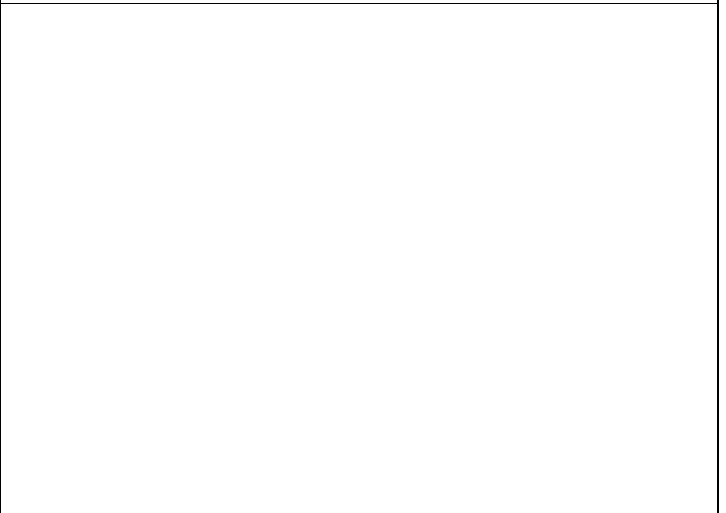
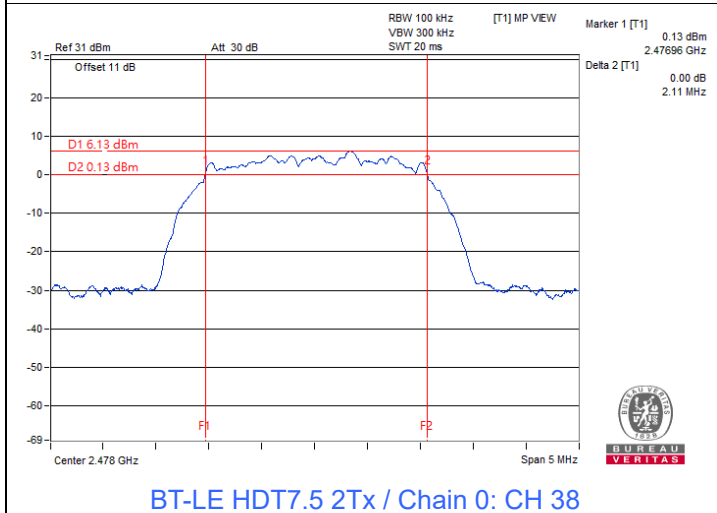
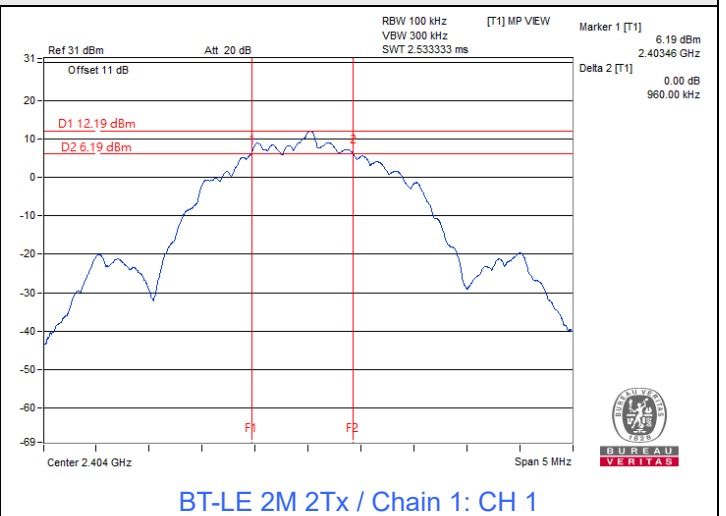
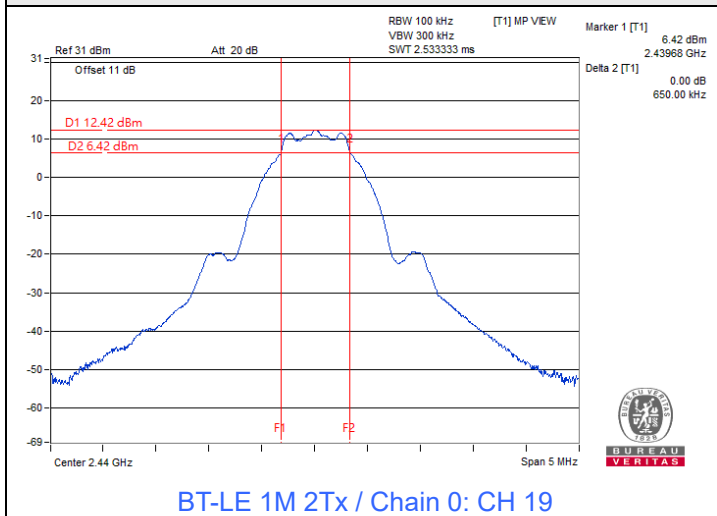
BT-LE 2M 2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2404	1.11	0.96	0.5	Pass
19	2440	1.13	1.11	0.5	Pass
38	2478	1.14	1.12	0.5	Pass

BT-LE HDT7.5 2Tx

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Test Result
		Chain 0	Chain 1		
1	2404	2.12	2.13	0.5	Pass
19	2440	2.13	2.13	0.5	Pass
38	2478	2.11	2.12	0.5	Pass

Spectrum Plot of Minimum Value

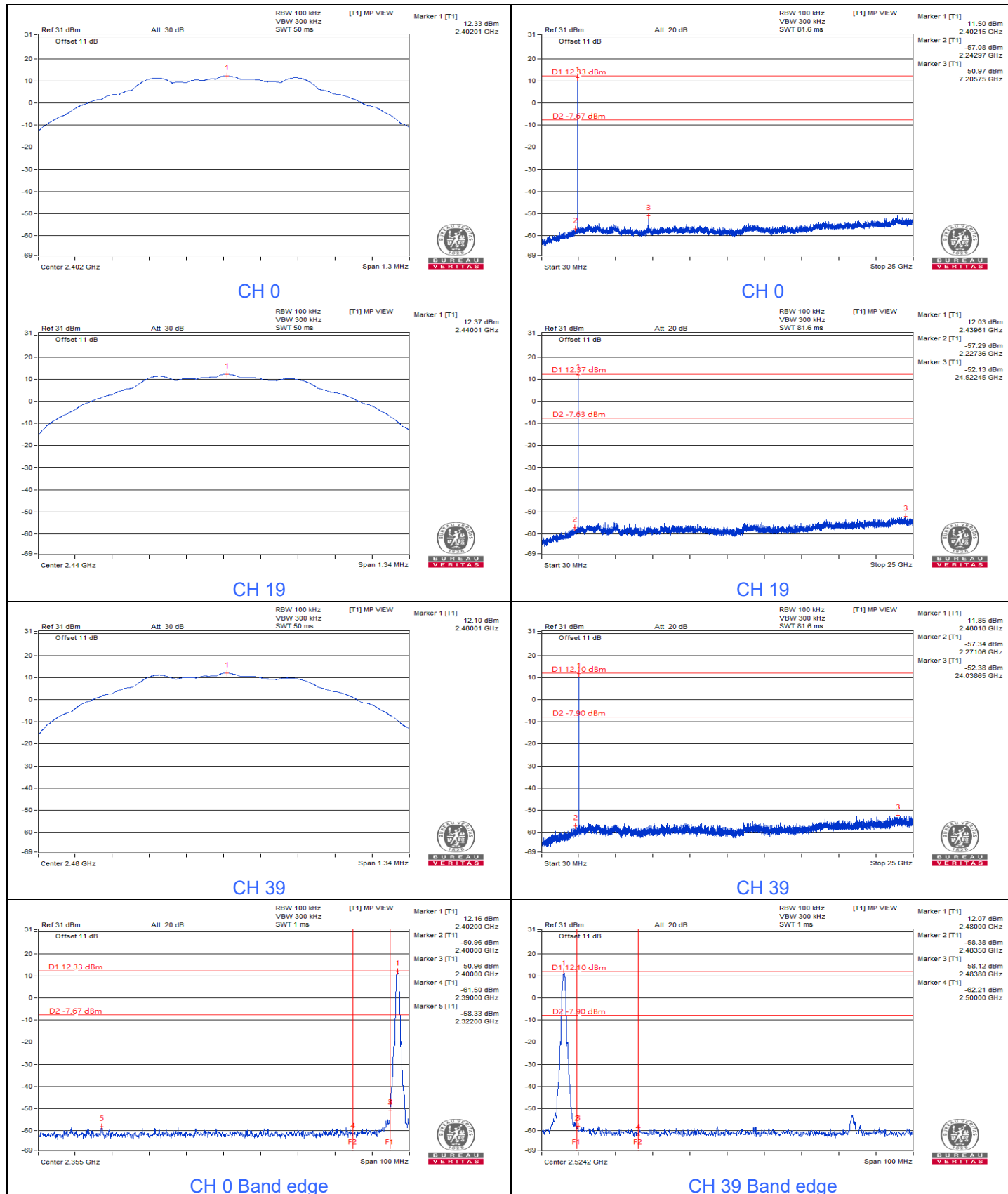


7.4 Conducted Out of Band Emissions

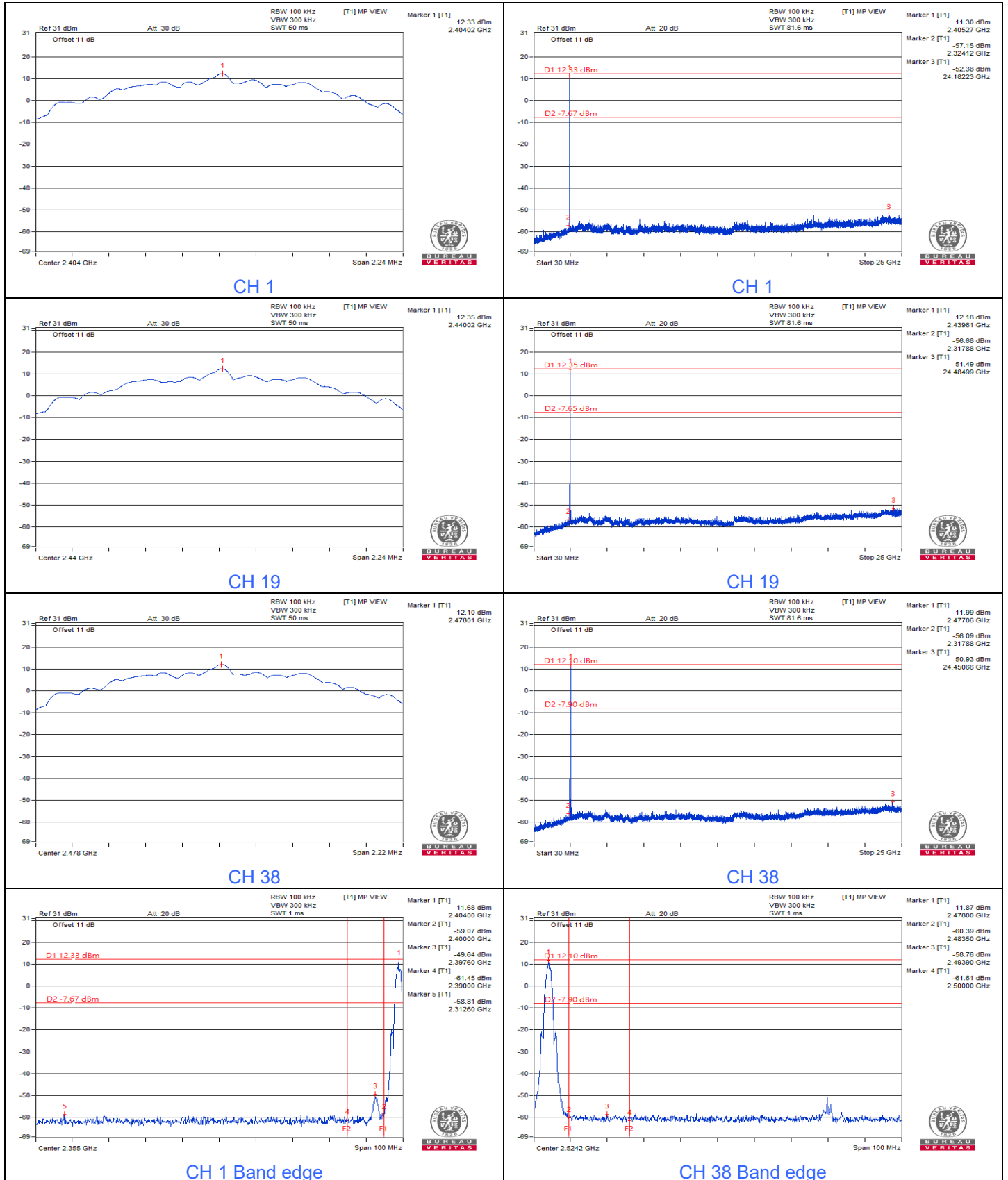
1Tx

Input Power:	3.3 Vdc	Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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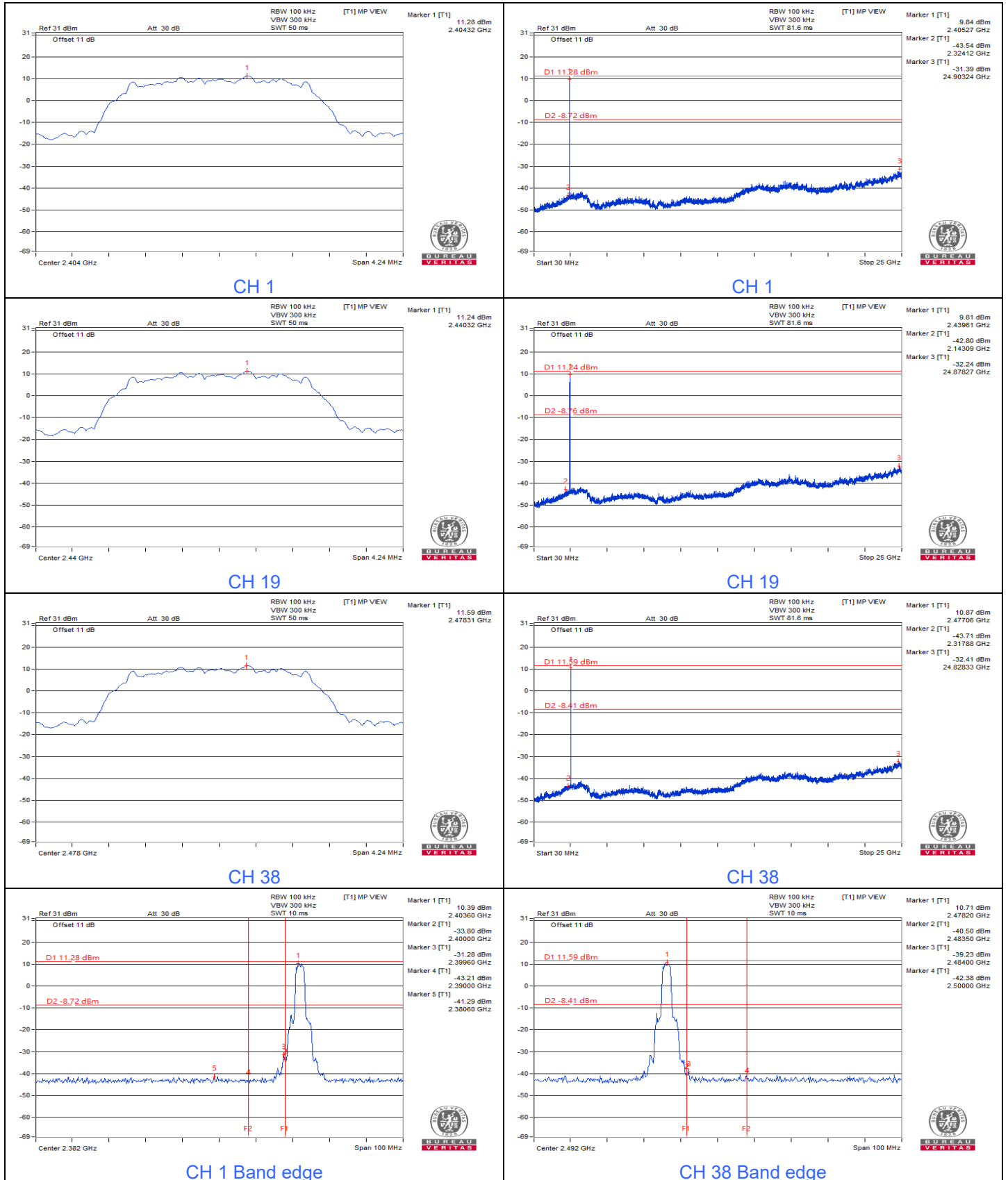
BT-LE 1M 1Tx



BT-LE 2M 1Tx



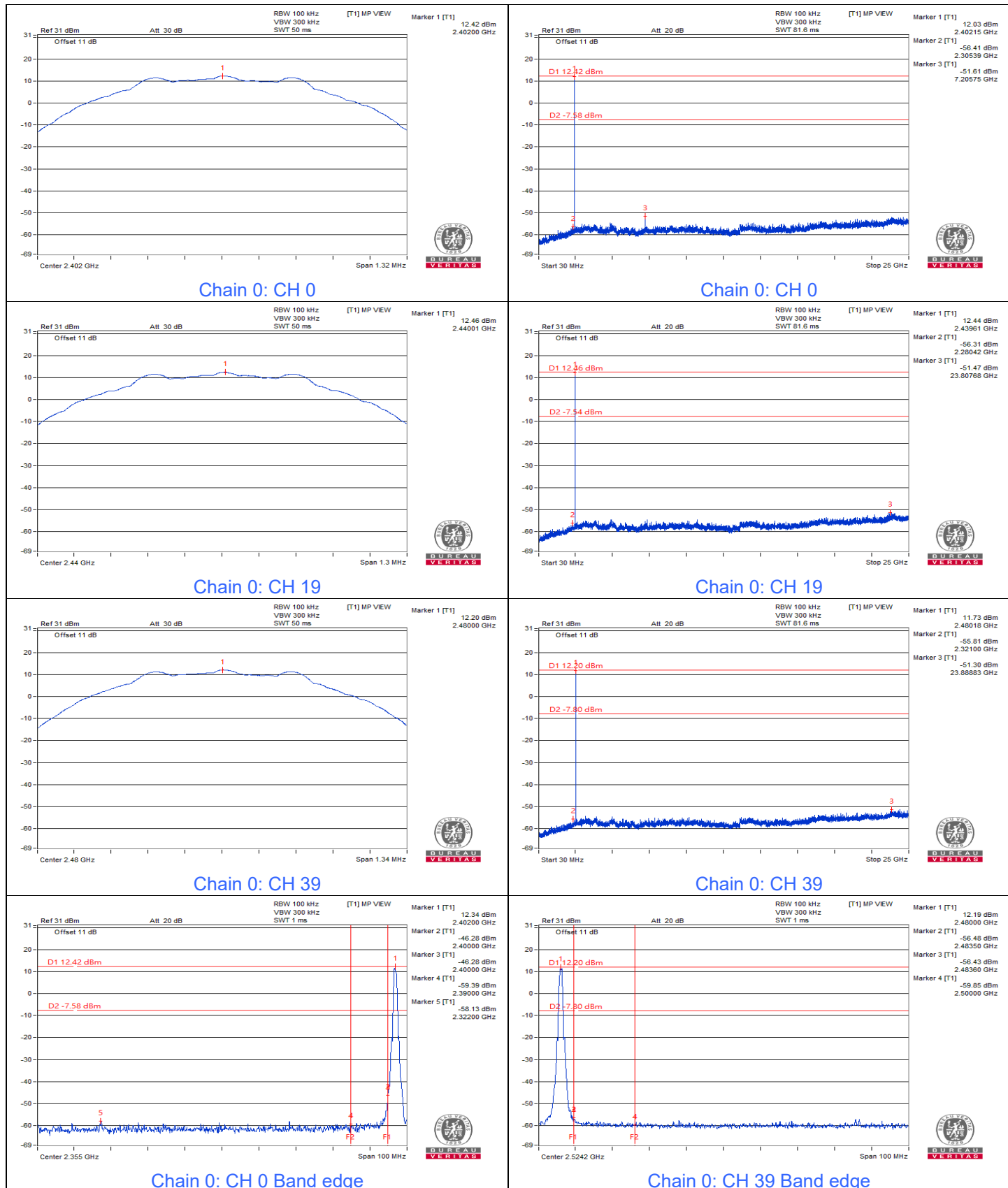
BT-LE HDT7.5 1Tx

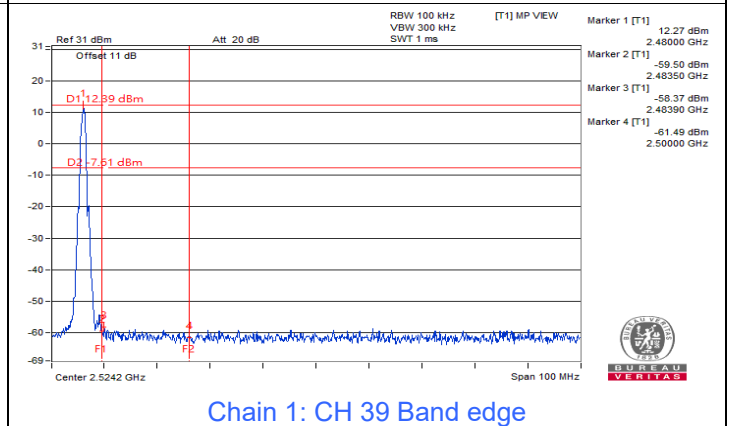
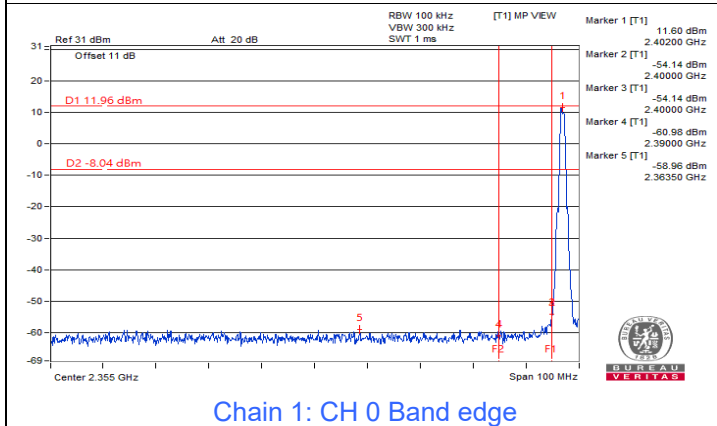
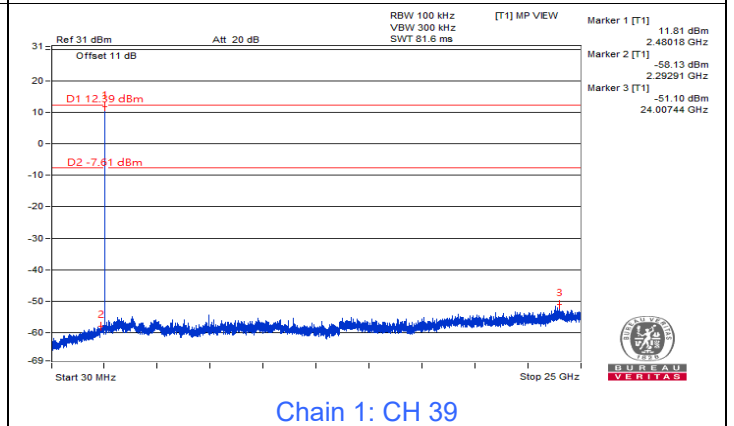
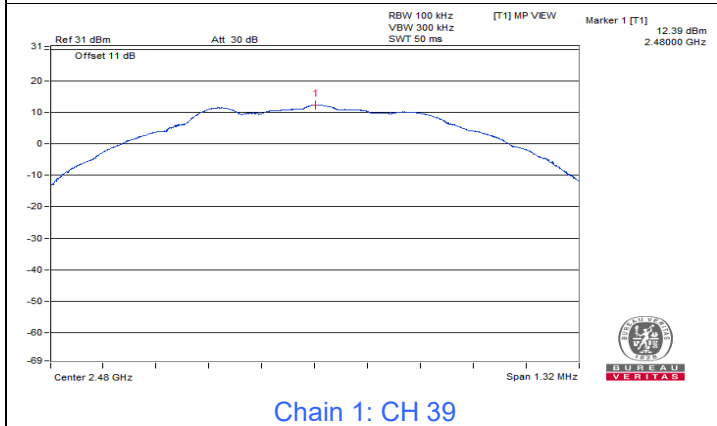
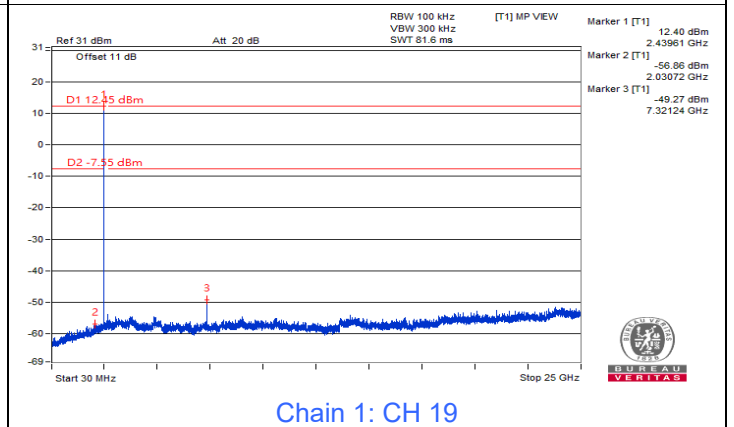
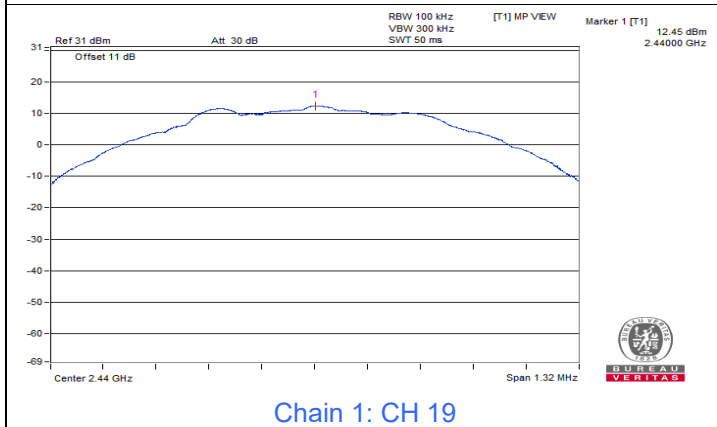
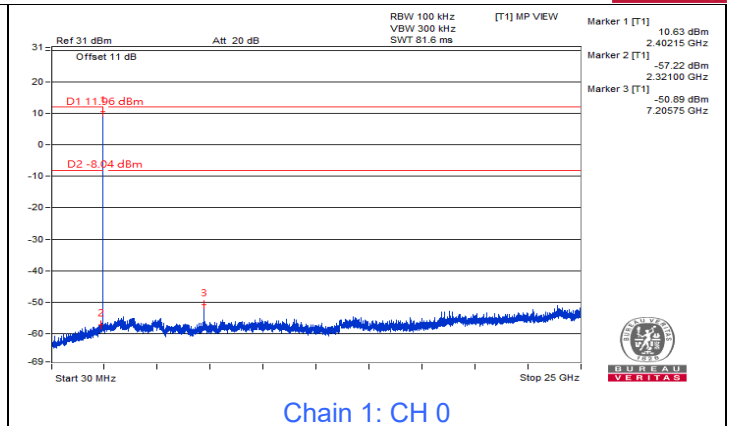
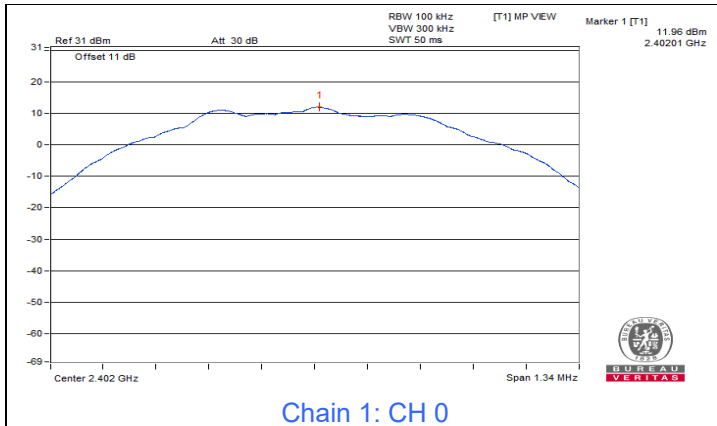


2Tx

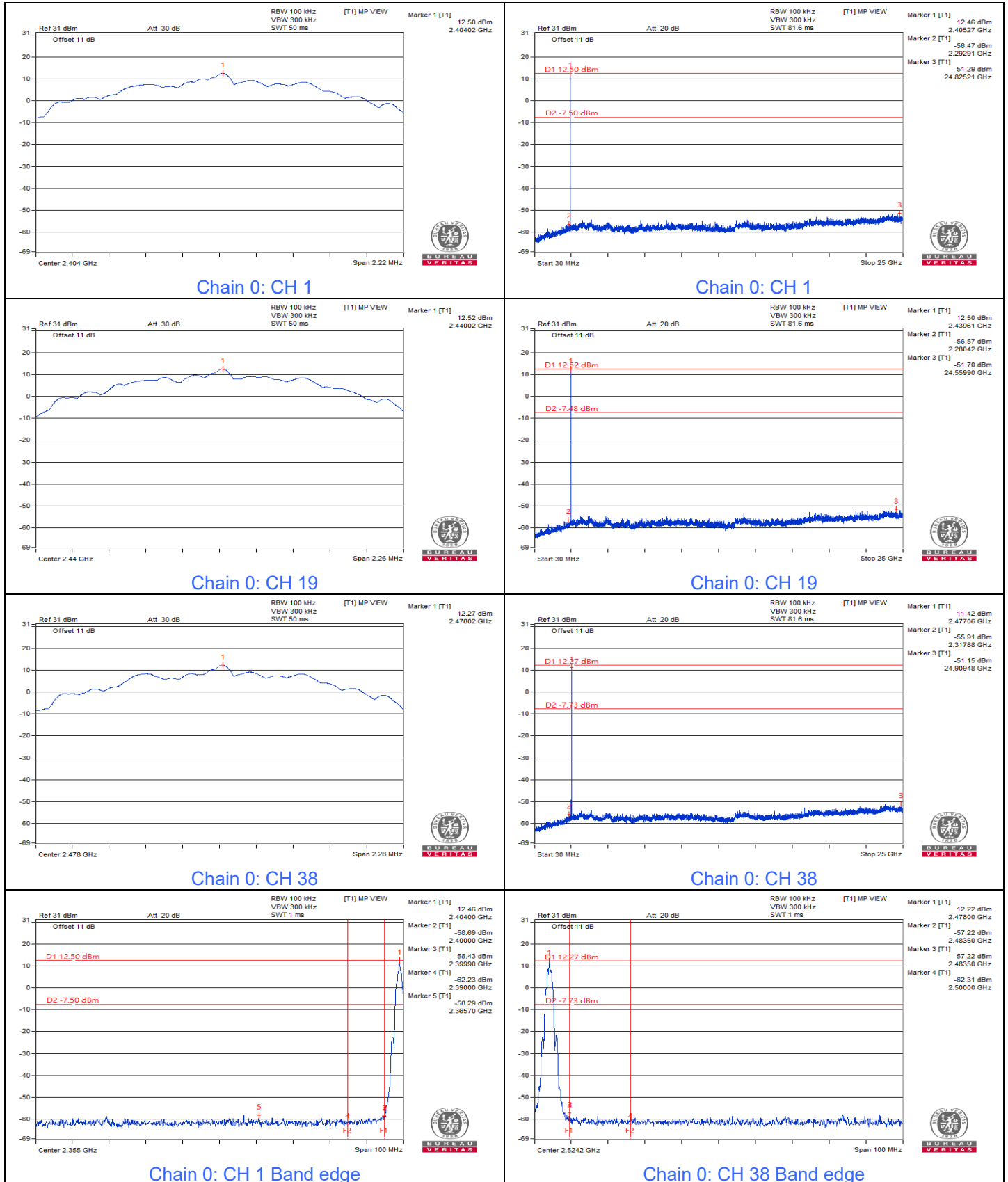
Environmental Conditions:	25°C, 60% RH	Tested By:	Stars Liu
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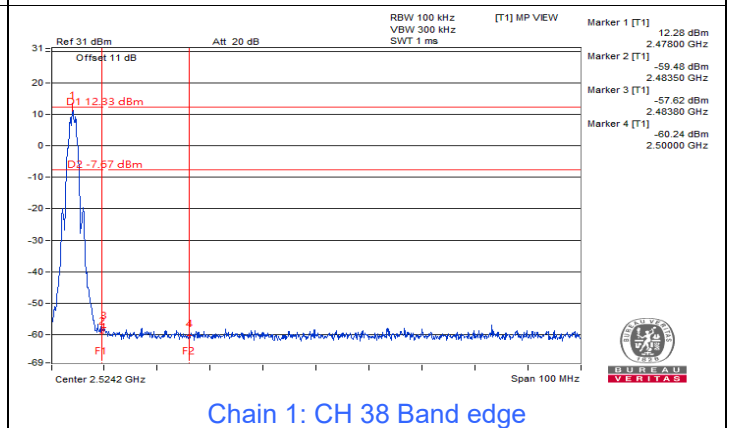
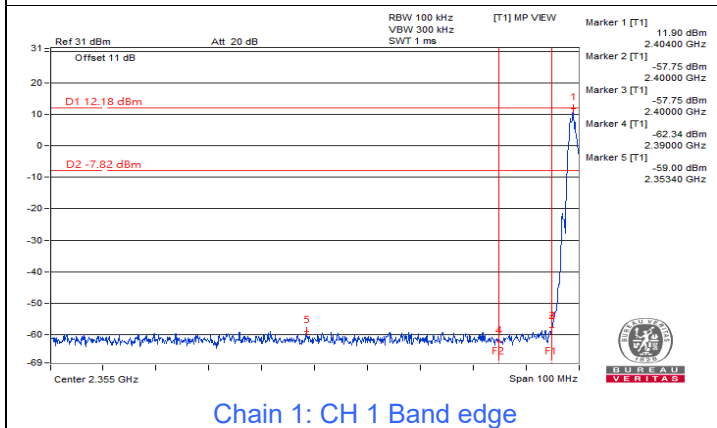
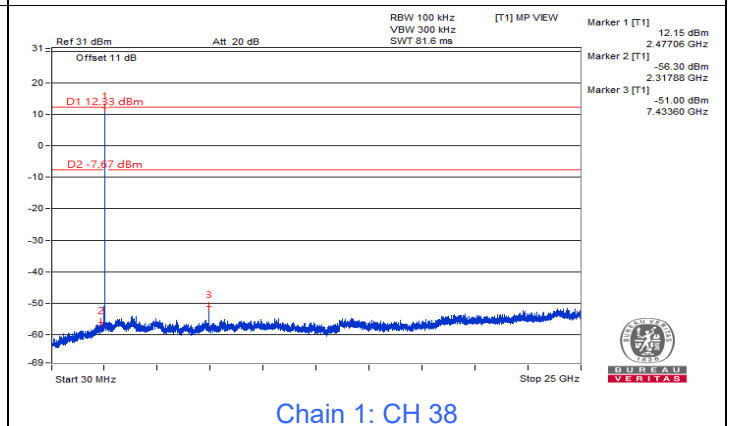
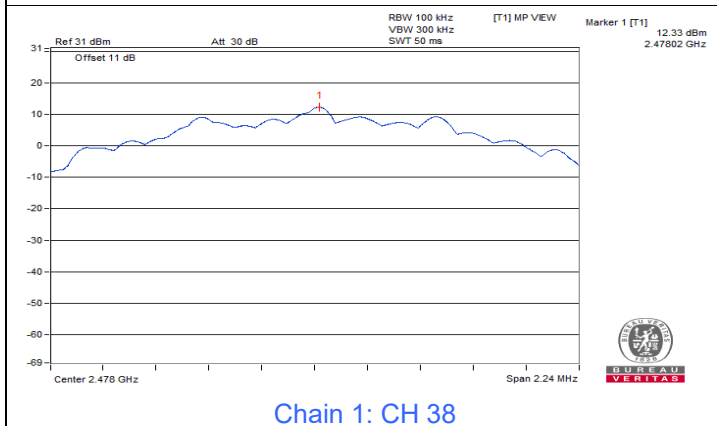
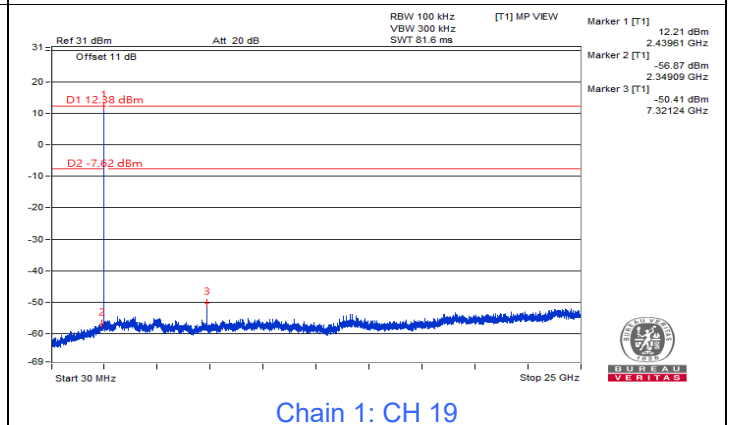
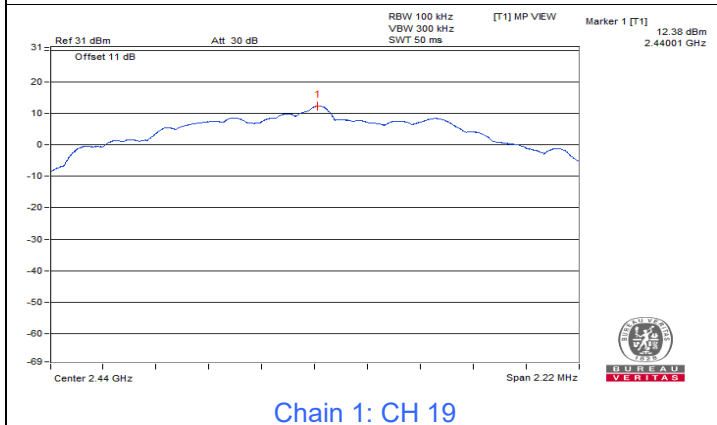
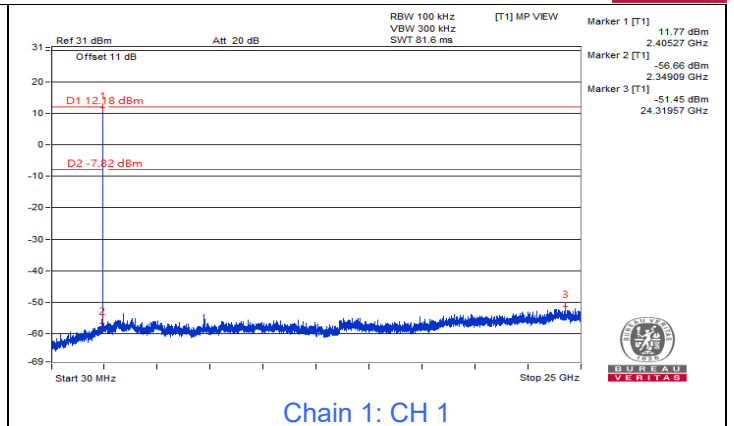
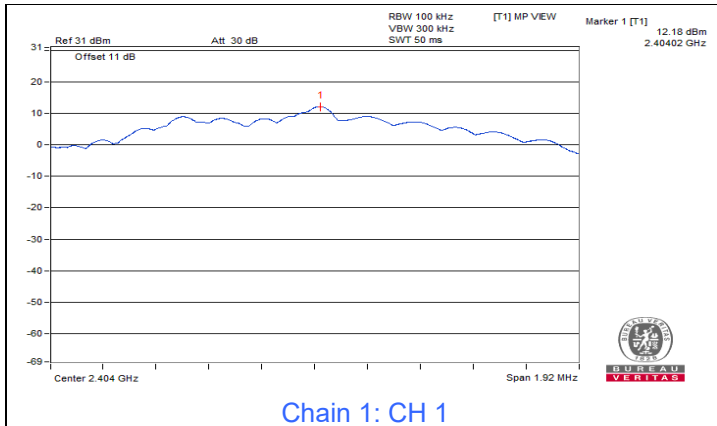
BT-LE 1M 2Tx



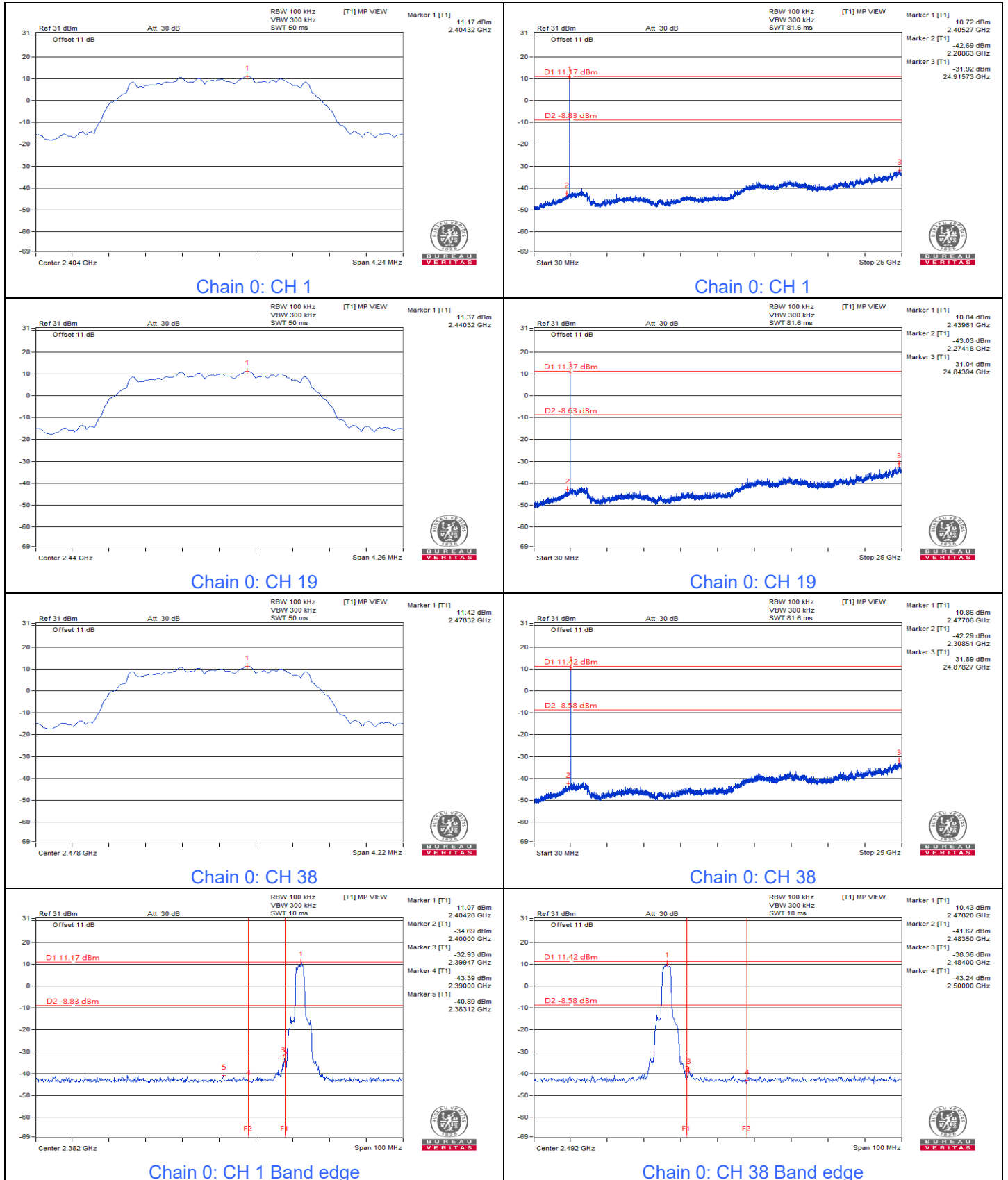


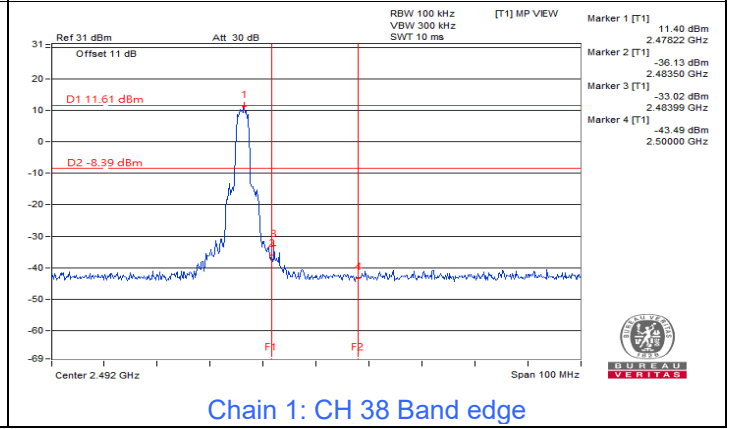
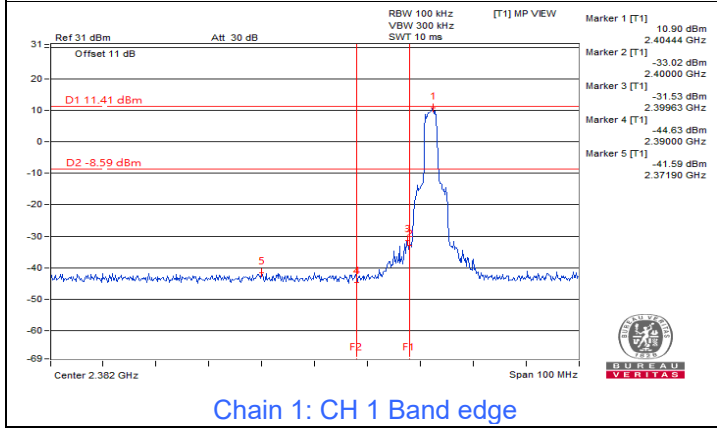
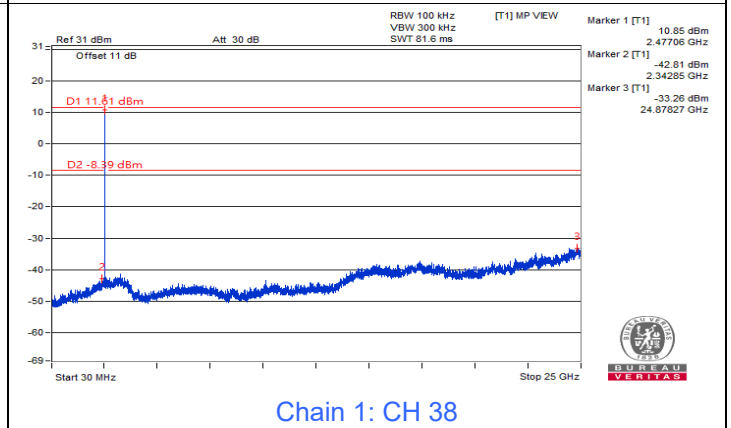
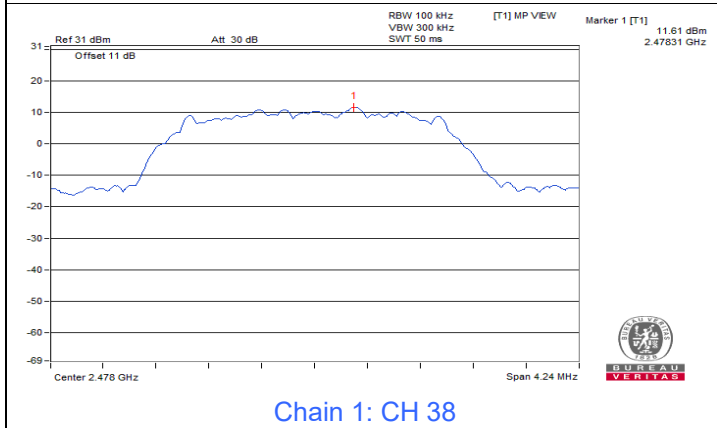
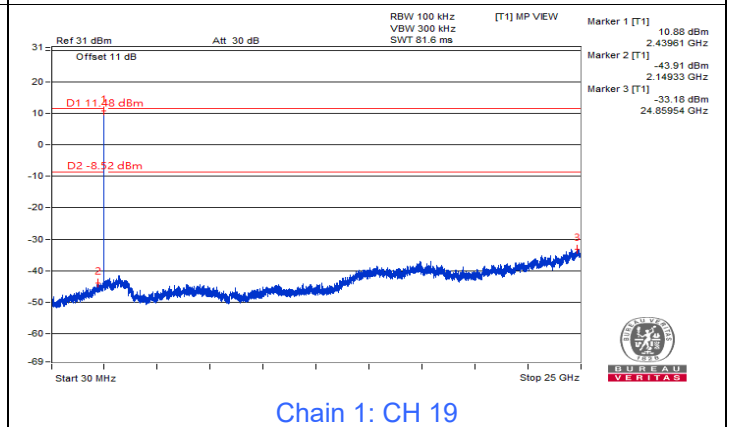
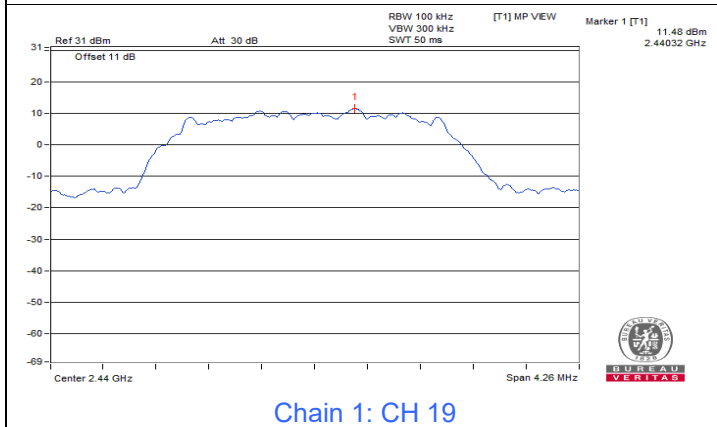
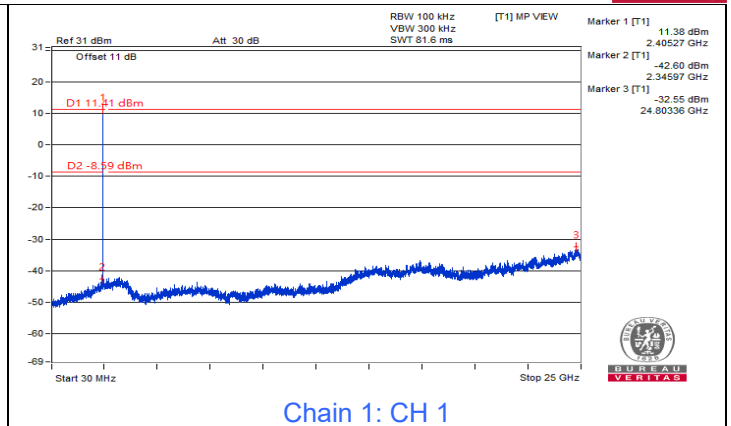
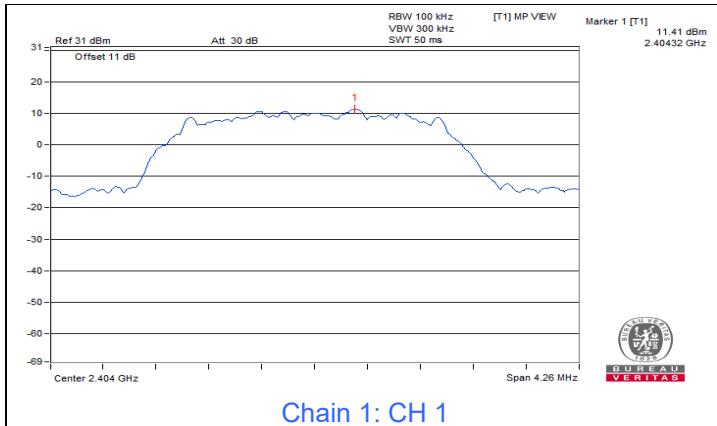
BT-LE 2M 2Tx





BT-LE HDT7.5 2Tx





7.5 AC Power Conducted Emissions

Mode A

2Tx

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	9.99	46.21	32.85	56.20	42.84	65.58	55.58	-9.38	-12.74
2	0.20859	10.00	37.06	23.70	47.06	33.70	63.26	53.26	-16.20	-19.56
3	0.48203	10.11	24.26	13.15	34.37	23.26	56.30	46.30	-21.93	-23.04
4	4.35547	10.51	18.45	9.22	28.96	19.73	56.00	46.00	-27.04	-26.27
5	9.92188	10.93	17.38	11.07	28.31	22.00	60.00	50.00	-31.69	-28.00
6	18.13281	11.43	15.35	11.30	26.78	22.73	60.00	50.00	-33.22	-27.27

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

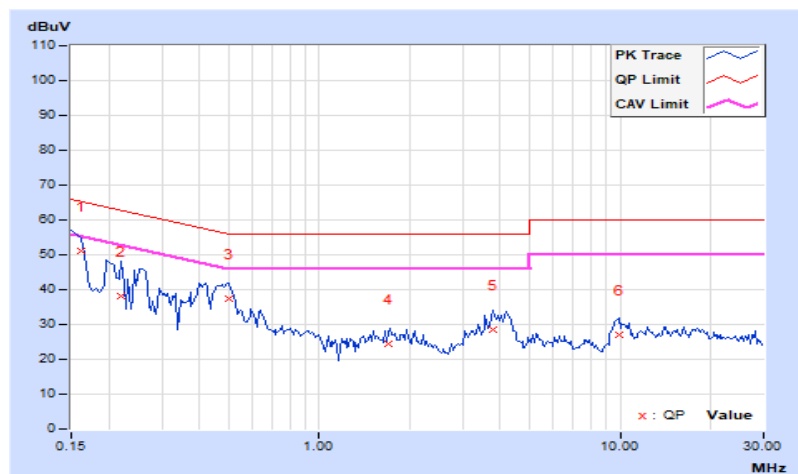


RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	0.16172	10.00	41.18	25.53	51.18	35.53	65.38	55.38	-14.20	-19.85
2	0.22031	9.99	28.20	11.21	38.19	21.20	62.81	52.81	-24.62	-31.61
3	0.50156	9.96	27.57	17.57	37.53	27.53	56.00	46.00	-18.47	-18.47
4	1.70313	10.07	14.24	7.20	24.31	17.27	56.00	46.00	-31.69	-28.73
5	3.79297	10.20	18.36	11.63	28.56	21.83	56.00	46.00	-27.44	-24.17
6	9.98047	10.61	16.58	11.05	27.19	21.66	60.00	50.00	-32.81	-28.34

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



7.6 Unwanted Emissions below 1 GHz

Mode A

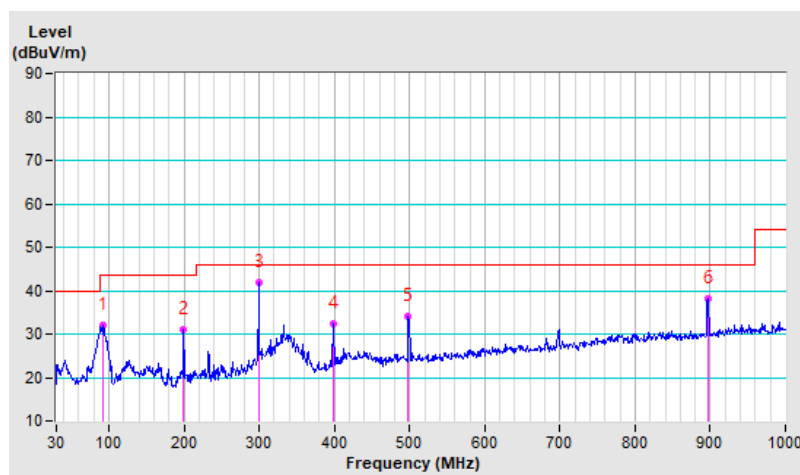
1Tx

RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	92.64	32.2 PK	43.5	-11.3	2.00 H	267	50.5	-18.3
2	199.56	31.0 PK	43.5	-12.5	2.00 H	87	46.8	-15.8
3	299.32	42.0 PK	46.0	-4.0	1.00 H	96	53.9	-11.9
4	398.33	32.3 PK	46.0	-13.7	1.00 H	118	41.7	-9.4
5	497.86	34.0 PK	46.0	-12.0	2.00 H	215	41.3	-7.3
6	898.03	38.1 PK	46.0	-7.9	1.00 H	206	38.5	-0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

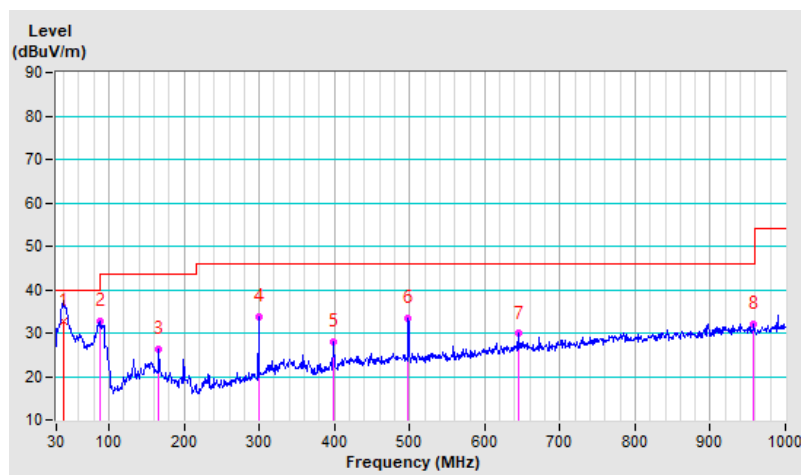


RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	38.73	32.8 QP	40.0	-7.2	1.00 V	220	46.1	-13.3
2	87.81	32.8 PK	40.0	-7.2	1.00 V	252	51.4	-18.6
3	166.16	26.2 PK	43.5	-17.3	1.00 V	55	39.2	-13.0
4	299.32	33.7 PK	46.0	-12.3	2.00 V	288	45.6	-11.9
5	399.08	27.9 PK	46.0	-18.1	1.00 V	141	37.3	-9.4
6	497.88	33.4 PK	46.0	-12.6	1.00 V	162	40.7	-7.3
7	644.35	29.9 PK	46.0	-16.1	3.00 V	229	33.9	-4.0
8	957.42	32.0 PK	46.0	-14.0	1.00 V	300	31.4	0.6

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



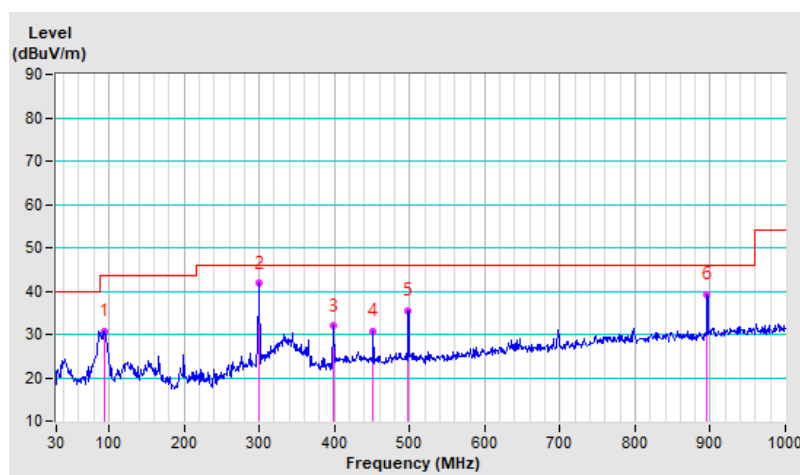
2Tx

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	94.43	30.8 PK	43.5	-12.7	3.00 H	279	48.9	-18.1
2	298.74	41.7 PK	46.0	-4.3	1.00 H	257	53.6	-11.9
3	398.28	31.9 PK	46.0	-14.1	1.00 H	234	41.3	-9.4
4	451.54	30.8 PK	46.0	-15.2	3.00 H	0	38.8	-8.0
5	497.90	35.5 PK	46.0	-10.5	2.00 H	176	42.8	-7.3
6	896.19	39.3 PK	46.0	-6.7	1.00 H	218	39.8	-0.5

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

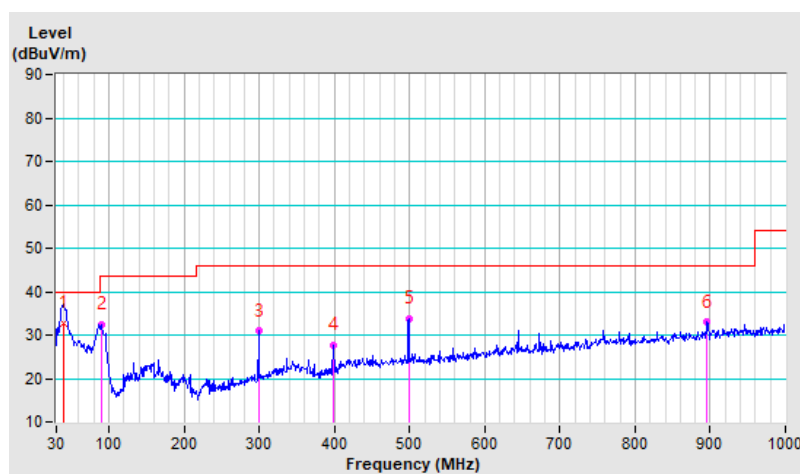


RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	39.77	32.8 QP	40.0	-7.2	1.00 V	306	46.1	-13.3
2	89.51	32.3 PK	43.5	-11.2	1.00 V	269	50.9	-18.6
3	299.30	30.9 PK	46.0	-15.1	2.00 V	311	42.8	-11.9
4	399.13	27.6 PK	46.0	-18.4	1.00 V	156	37.0	-9.4
5	498.87	33.8 PK	46.0	-12.2	2.00 V	133	41.1	-7.3
6	896.16	32.9 PK	46.0	-13.1	3.00 V	169	33.4	-0.5

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode B

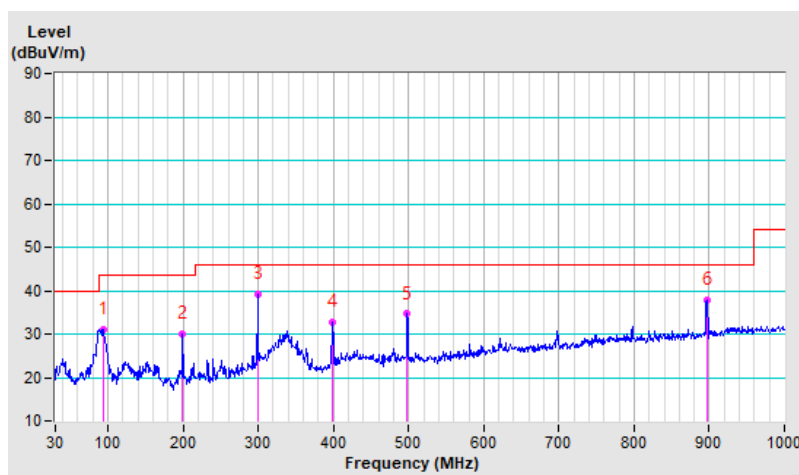
1Tx

RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	93.07	31.0 PK	43.5	-12.5	2.00 H	294	49.2	-18.2
2	199.56	30.1 PK	43.5	-13.4	2.00 H	88	45.9	-15.8
3	299.34	39.3 PK	46.0	-6.7	1.00 H	110	51.2	-11.9
4	399.06	32.7 PK	46.0	-13.3	1.00 H	110	42.1	-9.4
5	497.88	34.6 PK	46.0	-11.4	2.00 H	221	41.9	-7.3
6	897.98	38.0 PK	46.0	-8.0	1.00 H	243	38.4	-0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

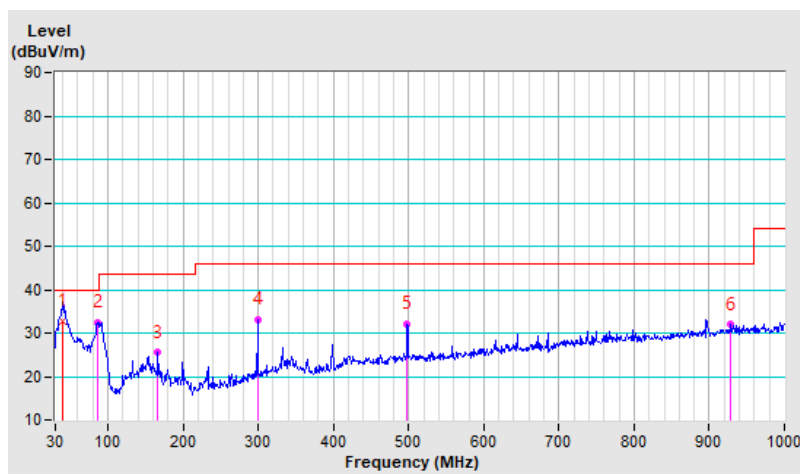


RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	40.23	32.8 QP	40.0	-7.2	1.00 V	308	46.0	-13.2
2	85.99	32.4 PK	40.0	-7.6	2.00 V	210	51.1	-18.7
3	166.02	25.5 PK	43.5	-18.0	1.00 V	79	38.5	-13.0
4	298.74	33.0 PK	46.0	-13.0	2.00 V	299	44.9	-11.9
5	497.86	32.1 PK	46.0	-13.9	2.00 V	151	39.4	-7.3
6	928.66	31.9 PK	46.0	-14.1	3.00 V	0	31.5	0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



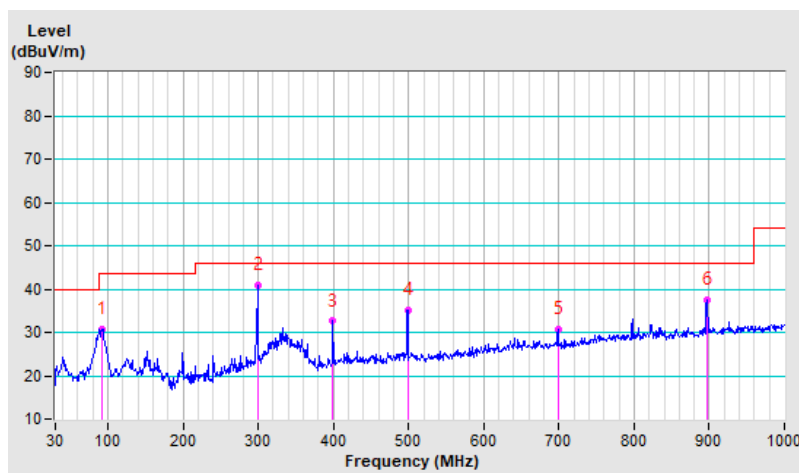
2Tx

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	92.59	30.8 PK	43.5	-12.7	2.00 H	279	49.1	-18.3
2	298.76	40.8 PK	46.0	-5.2	1.00 H	250	52.7	-11.9
3	399.11	32.6 PK	46.0	-13.4	1.00 H	114	42.0	-9.4
4	498.87	35.1 PK	46.0	-10.9	2.00 H	190	42.4	-7.3
5	698.43	30.8 PK	46.0	-15.2	1.00 H	193	34.3	-3.5
6	897.98	37.5 PK	46.0	-8.5	1.00 H	212	37.9	-0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

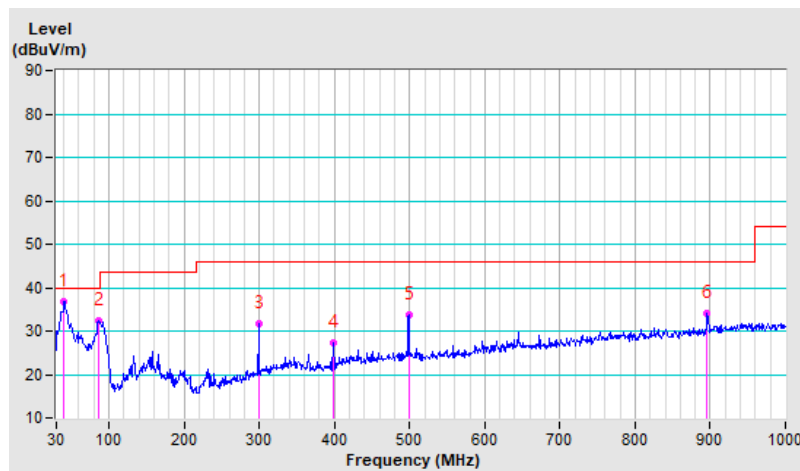


RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	40.50	36.9 PK	40.0	-3.1	1.00 V	291	50.1	-13.2
2	85.36	32.4 PK	40.0	-7.6	2.00 V	219	51.0	-18.6
3	298.74	31.8 PK	46.0	-14.2	2.00 V	319	43.7	-11.9
4	399.01	27.4 PK	46.0	-18.6	1.00 V	155	36.8	-9.4
5	498.87	33.9 PK	46.0	-12.1	1.00 V	161	41.2	-7.3
6	896.16	34.0 PK	46.0	-12.0	3.00 V	156	34.5	-0.5

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



Mode C

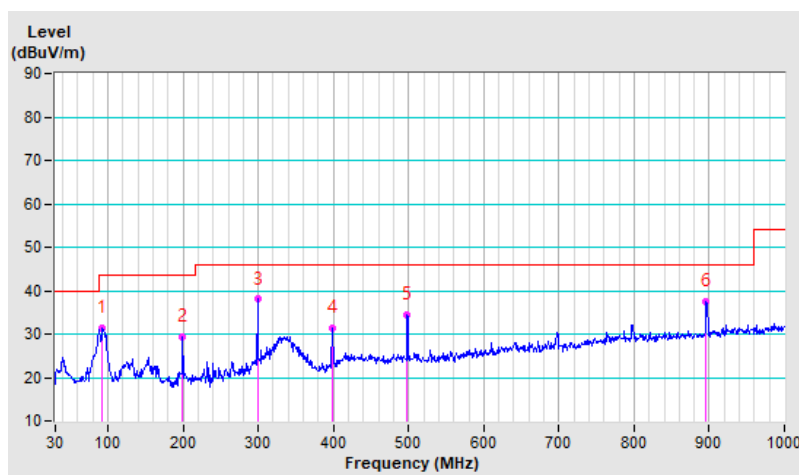
1Tx

RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	92.86	31.4 PK	43.5	-12.1	2.00 H	269	49.7	-18.3
2	199.34	29.3 PK	43.5	-14.2	1.00 H	84	45.1	-15.8
3	298.76	38.0 PK	46.0	-8.0	1.00 H	103	49.9	-11.9
4	399.08	31.4 PK	46.0	-14.6	1.00 H	115	40.8	-9.4
5	497.88	34.5 PK	46.0	-11.5	2.00 H	225	41.8	-7.3
6	896.16	37.4 PK	46.0	-8.6	1.00 H	193	37.9	-0.5

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

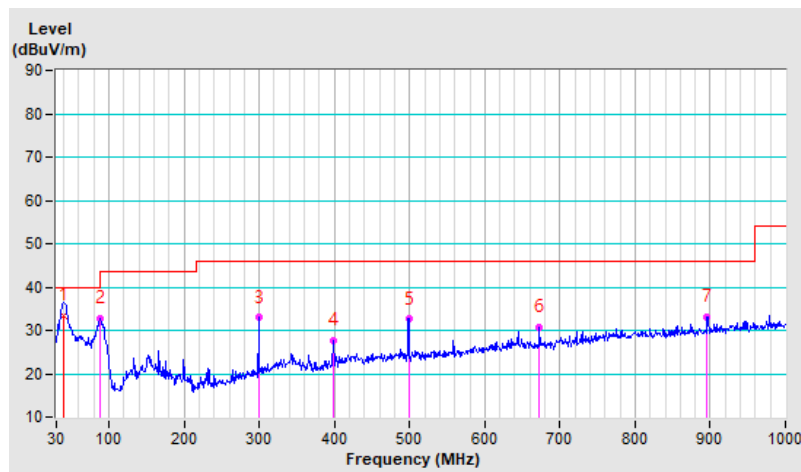


RF Mode	BT-LE 125k	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	39.43	33.5 QP	40.0	-6.5	1.00 V	247	46.7	-13.2
2	88.61	32.8 PK	43.5	-10.7	1.00 V	215	51.4	-18.6
3	299.32	32.9 PK	46.0	-13.1	2.00 V	283	44.8	-11.9
4	399.06	27.6 PK	46.0	-18.4	1.00 V	156	37.0	-9.4
5	498.87	32.6 PK	46.0	-13.4	1.00 V	154	39.9	-7.3
6	673.01	30.8 PK	46.0	-15.2	3.00 V	283	34.8	-4.0
7	896.19	33.1 PK	46.0	-12.9	3.00 V	165	33.6	-0.5

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



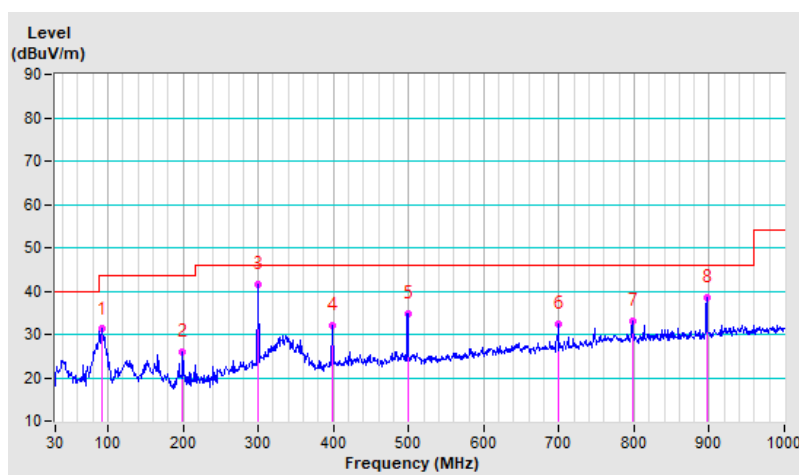
2Tx

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	91.96	31.2 PK	43.5	-12.3	2.00 H	293	49.6	-18.4
2	199.39	25.9 PK	43.5	-17.6	1.00 H	238	41.7	-15.8
3	298.76	41.6 PK	46.0	-4.4	1.00 H	86	53.5	-11.9
4	399.08	32.2 PK	46.0	-13.8	1.00 H	221	41.6	-9.4
5	498.85	34.9 PK	46.0	-11.1	2.00 H	199	42.2	-7.3
6	698.48	32.4 PK	46.0	-13.6	1.00 H	195	35.9	-3.5
7	798.22	33.0 PK	46.0	-13.0	1.00 H	52	34.6	-1.6
8	898.00	38.5 PK	46.0	-7.5	1.00 H	230	38.9	-0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

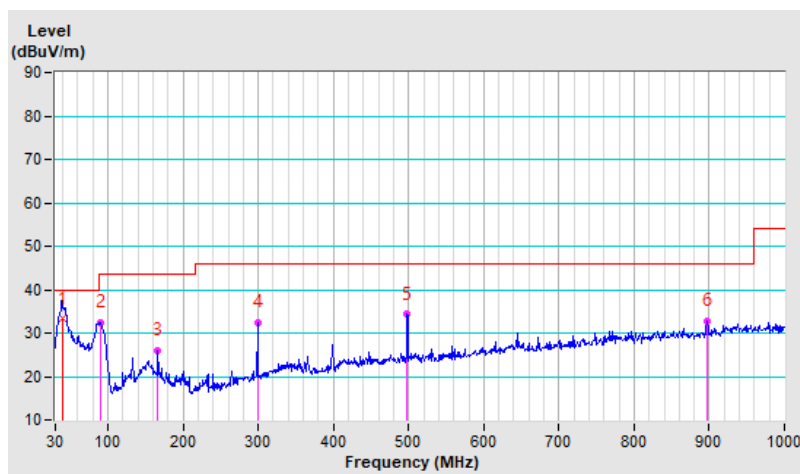


RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	PK: RB=120 kHz, DET=Peak QP: RB=120 kHz, DET=Quasi-Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Stars Liu		

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	39.05	33.3 QP	40.0	-6.7	1.00 V	251	46.6	-13.3
2	90.48	32.4 PK	43.5	-11.1	2.00 V	230	51.0	-18.6
3	166.28	26.0 PK	43.5	-17.5	1.00 V	52	39.0	-13.0
4	299.32	32.5 PK	46.0	-13.5	2.00 V	311	44.4	-11.9
5	497.88	34.3 PK	46.0	-11.7	1.00 V	156	41.6	-7.3
6	897.93	32.7 PK	46.0	-13.3	2.00 V	187	33.1	-0.4

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 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.7 Unwanted Emissions above 1 GHz

Mode A

1Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	2390.00	56.1 PK	74.0	-17.9	3.08 H	205	58.1	-2.0
2	2390.00	46.3 AV	54.0	-7.7	3.08 H	205	48.3	-2.0
3	*2402.00	102.0 PK			3.08 H	205	104.1	-2.1
4	*2402.00	100.9 AV			3.08 H	205	103.0	-2.1
5	4804.00	43.5 PK	74.0	-30.5	4.00 H	208	41.5	2.0
6	4804.00	35.3 AV	54.0	-18.7	4.00 H	208	33.3	2.0
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	2390.00	56.0 PK	74.0	-18.0	1.14 V	188	58.0	-2.0
2	2390.00	46.2 AV	54.0	-7.8	1.14 V	188	48.2	-2.0
3	*2402.00	98.8 PK			1.14 V	188	100.9	-2.1
4	*2402.00	97.8 AV			1.14 V	188	99.9	-2.1
5	4804.00	44.0 PK	74.0	-30.0	1.75 V	243	42.0	2.0
6	4804.00	36.9 AV	54.0	-17.1	1.75 V	243	34.9	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2440.00	100.7 PK			3.01 H	202	102.8	-2.1
2	*2440.00	99.4 AV			3.01 H	202	101.5	-2.1
3	4880.00	43.5 PK	74.0	-30.5	4.00 H	199	41.1	2.4
4	4880.00	35.5 AV	54.0	-18.5	4.00 H	199	33.1	2.4
5	7320.00	46.4 PK	74.0	-27.6	3.59 H	348	39.0	7.4
6	7320.00	37.2 AV	54.0	-16.8	3.59 H	348	29.8	7.4
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	*2440.00	98.2 PK			1.21 V	190	100.3	-2.1
2	*2440.00	97.1 AV			1.21 V	190	99.2	-2.1
3	4880.00	43.9 PK	74.0	-30.1	1.82 V	246	41.5	2.4
4	4880.00	37.0 AV	54.0	-17.0	1.82 V	246	34.6	2.4
5	7320.00	48.5 PK	74.0	-25.5	3.97 V	213	41.1	7.4
6	7320.00	38.4 AV	54.0	-15.6	3.97 V	213	31.0	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	99.3 PK			2.90 H	206	101.7	-2.4
2	*2480.00	98.2 AV			2.90 H	206	100.6	-2.4
3	2483.50	56.3 PK	74.0	-17.7	2.90 H	206	58.7	-2.4
4	2483.50	46.2 AV	54.0	-7.8	2.90 H	206	48.6	-2.4
5	4960.00	43.4 PK	74.0	-30.6	4.00 H	224	41.1	2.3
6	4960.00	35.2 AV	54.0	-18.8	4.00 H	224	32.9	2.3
7	7440.00	46.3 PK	74.0	-27.7	3.59 H	353	38.2	8.1
8	7440.00	36.6 AV	54.0	-17.4	3.59 H	353	28.5	8.1
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	97.4 PK			1.25 V	196	99.8	-2.4
2	*2480.00	96.2 AV			1.25 V	196	98.6	-2.4
3	2483.50	56.1 PK	74.0	-17.9	1.25 V	196	58.5	-2.4
4	2483.50	46.2 AV	54.0	-7.8	1.25 V	196	48.6	-2.4
5	4960.00	44.2 PK	74.0	-29.8	1.74 V	249	41.9	2.3
6	4960.00	37.3 AV	54.0	-16.7	1.74 V	249	35.0	2.3
7	7440.00	48.5 PK	74.0	-25.5	3.95 V	197	40.4	8.1
8	7440.00	38.6 AV	54.0	-15.4	3.95 V	197	30.5	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	2390.00	56.0 PK	74.0	-18.0	3.09 H	208	58.0	-2.0
2	2390.00	46.3 AV	54.0	-7.7	3.09 H	208	48.3	-2.0
3	*2404.00	101.8 PK			3.09 H	208	103.9	-2.1
4	*2404.00	98.7 AV			3.09 H	208	100.8	-2.1
5	4808.00	43.5 PK	74.0	-30.5	3.99 H	214	41.4	2.1
6	4808.00	35.4 AV	54.0	-18.6	3.99 H	214	33.3	2.1
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	2390.00	56.3 PK	74.0	-17.7	1.17 V	201	58.3	-2.0
2	2390.00	46.0 AV	54.0	-8.0	1.17 V	201	48.0	-2.0
3	*2404.00	98.6 PK			1.17 V	201	100.7	-2.1
4	*2404.00	96.0 AV			1.17 V	201	98.1	-2.1
5	4808.00	44.4 PK	74.0	-29.6	1.76 V	261	42.3	2.1
6	4808.00	37.0 AV	54.0	-17.0	1.76 V	261	34.9	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2440.00	100.9 PK			2.90 H	205	103.0	-2.1
2	*2440.00	98.1 AV			2.90 H	205	100.2	-2.1
3	4880.00	43.5 PK	74.0	-30.5	3.99 H	206	41.1	2.4
4	4880.00	35.5 AV	54.0	-18.5	3.99 H	206	33.1	2.4
5	7320.00	47.0 PK	74.0	-27.0	3.64 H	352	39.6	7.4
6	7320.00	37.3 AV	54.0	-16.7	3.64 H	352	29.9	7.4
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	*2440.00	98.4 PK			1.14 V	203	100.5	-2.1
2	*2440.00	95.8 AV			1.14 V	203	97.9	-2.1
3	4880.00	44.0 PK	74.0	-30.0	1.80 V	262	41.6	2.4
4	4880.00	37.2 AV	54.0	-16.8	1.80 V	262	34.8	2.4
5	7320.00	48.2 PK	74.0	-25.8	3.97 V	213	40.8	7.4
6	7320.00	38.1 AV	54.0	-15.9	3.97 V	213	30.7	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2478.00	100.2 PK			2.87 H	204	102.6	-2.4
2	*2478.00	97.4 AV			2.87 H	204	99.8	-2.4
3	2483.50	56.2 PK	74.0	-17.8	2.87 H	204	58.6	-2.4
4	2483.50	46.3 AV	54.0	-7.7	2.87 H	204	48.7	-2.4
5	4956.00	43.2 PK	74.0	-30.8	3.99 H	216	40.9	2.3
6	4956.00	35.1 AV	54.0	-18.9	3.99 H	216	32.8	2.3
7	7434.00	46.5 PK	74.0	-27.5	3.55 H	360	38.5	8.0
8	7434.00	37.0 AV	54.0	-17.0	3.55 H	360	29.0	8.0
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	*2478.00	98.2 PK			1.05 V	176	100.6	-2.4
2	*2478.00	95.4 AV			1.05 V	176	97.8	-2.4
3	2483.50	56.1 PK	74.0	-17.9	1.05 V	176	58.5	-2.4
4	2483.50	46.2 AV	54.0	-7.8	1.05 V	176	48.6	-2.4
5	4956.00	44.7 PK	74.0	-29.3	1.83 V	268	42.4	2.3
6	4956.00	37.3 AV	54.0	-16.7	1.83 V	268	35.0	2.3
7	7434.00	48.6 PK	74.0	-25.4	4.00 V	222	40.6	8.0
8	7434.00	38.7 AV	54.0	-15.3	4.00 V	222	30.7	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.2 PK	74.0	-17.8	1.96 H	183	58.2	-2.0
2	2390.00	45.1 AV	54.0	-8.9	1.96 H	183	47.1	-2.0
3	*2404.00	111.4 PK			1.96 H	183	113.5	-2.1
4	*2404.00	103.3 AV			1.96 H	183	105.4	-2.1
5	4808.00	43.2 PK	74.0	-30.8	3.98 H	212	41.1	2.1
6	4808.00	35.4 AV	54.0	-18.6	3.98 H	212	33.3	2.1
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	2390.00	56.5 PK	74.0	-17.5	1.65 V	170	58.5	-2.0
2	2390.00	46.1 AV	54.0	-7.9	1.65 V	170	48.1	-2.0
3	*2404.00	108.3 PK			1.65 V	170	110.4	-2.1
4	*2404.00	100.6 AV			1.65 V	170	102.7	-2.1
5	4808.00	44.6 PK	74.0	-29.4	1.86 V	274	42.5	2.1
6	4808.00	37.2 AV	54.0	-16.8	1.86 V	274	35.1	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	108.3 PK			2.01 H	222	110.4	-2.1
2	*2440.00	101.2 AV			2.01 H	222	103.3	-2.1
3	4880.00	42.5 PK	74.0	-31.5	3.97 H	209	40.1	2.4
4	4880.00	34.7 AV	54.0	-19.3	3.97 H	209	32.3	2.4
5	7320.00	46.0 PK	74.0	-28.0	3.50 H	360	38.6	7.4
6	7320.00	36.6 AV	54.0	-17.4	3.50 H	360	29.2	7.4
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	*2440.00	107.0 PK			1.98 V	181	109.1	-2.1
2	*2440.00	99.8 AV			1.98 V	181	101.9	-2.1
3	4880.00	45.2 PK	74.0	-28.8	1.86 V	258	42.8	2.4
4	4880.00	37.7 AV	54.0	-16.3	1.86 V	258	35.3	2.4
5	7320.00	48.2 PK	74.0	-25.8	4.00 V	211	40.8	7.4
6	7320.00	38.3 AV	54.0	-15.7	4.00 V	211	30.9	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	107.2 PK			1.96 H	207	109.6	-2.4
2	*2478.00	100.0 AV			1.96 H	207	102.4	-2.4
3	2483.50	60.7 PK	74.0	-13.3	1.00 H	0	63.1	-2.4
4	2483.50	48.5 AV	54.0	-5.5	1.00 H	0	50.9	-2.4
5	4956.00	42.8 PK	74.0	-31.2	3.97 H	209	40.5	2.3
6	4956.00	34.7 AV	54.0	-19.3	3.97 H	209	32.4	2.3
7	7434.00	45.9 PK	74.0	-28.1	3.50 H	360	37.9	8.0
8	7434.00	36.6 AV	54.0	-17.4	3.50 H	360	28.6	8.0
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	*2478.00	106.6 PK			1.96 V	168	109.0	-2.4
2	*2478.00	99.6 AV			1.96 V	168	102.0	-2.4
3	2483.50	57.1 PK	74.0	-16.9	1.96 V	168	59.5	-2.4
4	2483.50	46.0 AV	54.0	-8.0	1.96 V	168	48.4	-2.4
5	4956.00	44.9 PK	74.0	-29.1	1.85 V	268	42.6	2.3
6	4956.00	37.3 AV	54.0	-16.7	1.85 V	268	35.0	2.3
7	7434.00	48.4 PK	74.0	-25.6	4.00 V	211	40.4	8.0
8	7434.00	38.5 AV	54.0	-15.5	4.00 V	211	30.5	8.0

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, the limit was restricted at the RF Output Power.

2Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	2390.00	56.2 PK	74.0	-17.8	1.06 H	142	58.2	-2.0
2	2390.00	45.1 AV	54.0	-8.9	1.06 H	142	47.1	-2.0
3	*2402.00	111.4 PK			1.06 H	142	113.5	-2.1
4	*2402.00	108.2 AV			1.06 H	142	110.3	-2.1
5	4804.00	43.7 PK	74.0	-30.3	4.00 H	236	41.7	2.0
6	4804.00	35.4 AV	54.0	-18.6	4.00 H	236	33.4	2.0
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	2390.00	56.7 PK	74.0	-17.3	2.36 V	179	58.7	-2.0
2	2390.00	44.3 AV	54.0	-9.7	2.36 V	179	46.3	-2.0
3	*2402.00	108.8 PK			2.36 V	179	110.9	-2.1
4	*2402.00	107.3 AV			2.36 V	179	109.4	-2.1
5	4804.00	45.2 PK	74.0	-28.8	1.76 V	274	43.2	2.0
6	4804.00	37.7 AV	54.0	-16.3	1.76 V	274	35.7	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2440.00	110.2 PK			1.01 H	140	112.3	-2.1
2	*2440.00	107.6 AV			1.01 H	140	109.7	-2.1
3	4880.00	43.2 PK	74.0	-30.8	4.00 H	229	40.8	2.4
4	4880.00	35.1 AV	54.0	-18.9	4.00 H	229	32.7	2.4
5	7320.00	46.8 PK	74.0	-27.2	3.58 H	339	39.4	7.4
6	7320.00	37.3 AV	54.0	-16.7	3.58 H	339	29.9	7.4
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	*2440.00	108.1 PK			2.45 V	200	110.2	-2.1
2	*2440.00	105.8 AV			2.45 V	200	107.9	-2.1
3	4880.00	44.8 PK	74.0	-29.2	1.80 V	258	42.4	2.4
4	4880.00	37.5 AV	54.0	-16.5	1.80 V	258	35.1	2.4
5	7320.00	48.7 PK	74.0	-25.3	4.00 V	197	41.3	7.4
6	7320.00	38.8 AV	54.0	-15.2	4.00 V	197	31.4	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	109.2 PK			1.00 H	141	111.6	-2.4
2	*2480.00	106.0 AV			1.00 H	141	108.4	-2.4
3	2483.50	57.5 PK	74.0	-16.5	1.00 H	141	59.9	-2.4
4	2483.50	47.3 AV	54.0	-6.7	1.00 H	141	49.7	-2.4
5	4960.00	43.5 PK	74.0	-30.5	4.00 H	228	41.2	2.3
6	4960.00	35.3 AV	54.0	-18.7	4.00 H	228	33.0	2.3
7	7440.00	46.5 PK	74.0	-27.5	3.55 H	345	38.4	8.1
8	7440.00	37.0 AV	54.0	-17.0	3.55 H	345	28.9	8.1
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	107.8 PK			2.60 V	203	110.2	-2.4
2	*2480.00	104.2 AV			2.60 V	203	106.6	-2.4
3	2483.50	58.2 PK	74.0	-15.8	2.60 V	203	60.6	-2.4
4	2483.50	47.9 AV	54.0	-6.1	2.60 V	203	50.3	-2.4
5	4960.00	44.4 PK	74.0	-29.6	1.83 V	259	42.1	2.3
6	4960.00	37.3 AV	54.0	-16.7	1.83 V	259	35.0	2.3
7	7440.00	49.0 PK	74.0	-25.0	3.97 V	212	40.9	8.1
8	7440.00	38.8 AV	54.0	-15.2	3.97 V	212	30.7	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	2390.00	56.1 PK	74.0	-17.9	1.02 H	139	58.1	-2.0
2	2390.00	45.8 AV	54.0	-8.2	1.02 H	139	47.8	-2.0
3	*2404.00	111.5 PK			1.02 H	139	113.6	-2.1
4	*2404.00	106.2 AV			1.02 H	139	108.3	-2.1
5	4808.00	43.4 PK	74.0	-30.6	3.99 H	238	41.3	2.1
6	4808.00	35.2 AV	54.0	-18.8	3.99 H	238	33.1	2.1
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	2390.00	55.4 PK	74.0	-18.6	2.27 V	178	57.4	-2.0
2	2390.00	45.1 AV	54.0	-8.9	2.27 V	178	47.1	-2.0
3	*2404.00	109.0 PK			2.27 V	178	111.1	-2.1
4	*2404.00	103.6 AV			2.27 V	178	105.7	-2.1
5	4808.00	45.2 PK	74.0	-28.8	1.80 V	268	43.1	2.1
6	4808.00	37.8 AV	54.0	-16.2	1.80 V	268	35.7	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2440.00	110.4 PK			1.07 H	147	112.5	-2.1
2	*2440.00	105.2 AV			1.07 H	147	107.3	-2.1
3	4880.00	43.3 PK	74.0	-30.7	4.00 H	214	40.9	2.4
4	4880.00	35.2 AV	54.0	-18.8	4.00 H	214	32.8	2.4
5	7320.00	46.4 PK	74.0	-27.6	3.61 H	353	39.0	7.4
6	7320.00	36.9 AV	54.0	-17.1	3.61 H	353	29.5	7.4
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	*2440.00	108.4 PK			2.41 V	204	110.5	-2.1
2	*2440.00	103.1 AV			2.41 V	204	105.2	-2.1
3	4880.00	44.5 PK	74.0	-29.5	1.78 V	259	42.1	2.4
4	4880.00	37.4 AV	54.0	-16.6	1.78 V	259	35.0	2.4
5	7320.00	48.9 PK	74.0	-25.1	4.00 V	207	41.5	7.4
6	7320.00	39.1 AV	54.0	-14.9	4.00 V	207	31.7	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 70% RH
Tested By	Vanness Huang		

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	*2478.00	109.2 PK			1.00 H	141	111.6	-2.4
2	*2478.00	104.1 AV			1.00 H	141	106.5	-2.4
3	2483.50	56.5 PK	74.0	-17.5	1.00 H	141	58.9	-2.4
4	2483.50	46.3 AV	54.0	-7.7	1.00 H	141	48.7	-2.4
5	4956.00	43.1 PK	74.0	-30.9	4.00 H	227	40.8	2.3
6	4956.00	35.1 AV	54.0	-18.9	4.00 H	227	32.8	2.3
7	7434.00	46.8 PK	74.0	-27.2	3.60 H	341	38.8	8.0
8	7434.00	37.1 AV	54.0	-16.9	3.60 H	341	29.1	8.0
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	*2478.00	108.0 PK			2.65 V	206	110.4	-2.4
2	*2478.00	102.2 AV			2.65 V	206	104.6	-2.4
3	2483.50	56.7 PK	74.0	-17.3	2.65 V	206	59.1	-2.4
4	2483.50	46.1 AV	54.0	-7.9	2.65 V	206	48.5	-2.4
5	4956.00	44.2 PK	74.0	-29.8	1.79 V	256	41.9	2.3
6	4956.00	37.1 AV	54.0	-16.9	1.79 V	256	34.8	2.3
7	7434.00	48.3 PK	74.0	-25.7	4.00 V	207	40.3	8.0
8	7434.00	38.5 AV	54.0	-15.5	4.00 V	207	30.5	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.2 PK	74.0	-17.8	2.25 H	219	58.2	-2.0
2	2390.00	45.5 AV	54.0	-8.5	2.25 H	219	47.5	-2.0
3	*2404.00	112.0 PK			2.25 H	219	114.1	-2.1
4	*2404.00	103.5 AV			2.25 H	219	105.6	-2.1
5	4808.00	43.5 PK	74.0	-30.5	3.98 H	224	41.4	2.1
6	4808.00	35.2 AV	54.0	-18.8	3.98 H	224	33.1	2.1
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	2390.00	56.8 PK	74.0	-17.2	1.92 V	171	58.8	-2.0
2	2390.00	46.3 AV	54.0	-7.7	1.92 V	171	48.3	-2.0
3	*2404.00	111.0 PK			1.92 V	171	113.1	-2.1
4	*2404.00	101.0 AV			1.92 V	171	103.1	-2.1
5	4808.00	43.7 PK	74.0	-30.3	1.73 V	253	41.6	2.1
6	4808.00	36.8 AV	54.0	-17.2	1.73 V	253	34.7	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	113.7 PK			2.43 H	220	115.8	-2.1
2	*2440.00	104.7 AV			2.43 H	220	106.8	-2.1
3	4880.00	43.4 PK	74.0	-30.6	3.97 H	242	41.0	2.4
4	4880.00	35.2 AV	54.0	-18.8	3.97 H	242	32.8	2.4
5	7320.00	46.3 PK	74.0	-27.7	3.63 H	344	38.9	7.4
6	7320.00	36.6 AV	54.0	-17.4	3.63 H	344	29.2	7.4
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	*2440.00	111.2 PK			1.85 V	170	113.3	-2.1
2	*2440.00	100.9 AV			1.85 V	170	103.0	-2.1
3	4880.00	44.2 PK	74.0	-29.8	1.80 V	244	41.8	2.4
4	4880.00	37.3 AV	54.0	-16.7	1.80 V	244	34.9	2.4
5	7320.00	48.0 PK	74.0	-26.0	3.97 V	214	40.6	7.4
6	7320.00	38.4 AV	54.0	-15.6	3.97 V	214	31.0	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	113.3 PK			2.40 H	211	115.7	-2.4
2	*2478.00	104.4 AV			2.40 H	211	106.8	-2.4
3	2483.50	64.4 PK	74.0	-9.6	2.40 H	211	66.8	-2.4
4	2483.50	51.4 AV	54.0	-2.6	2.40 H	211	53.8	-2.4
5	4956.00	43.3 PK	74.0	-30.7	3.99 H	234	41.0	2.3
6	4956.00	35.3 AV	54.0	-18.7	3.99 H	234	33.0	2.3
7	7434.00	47.3 PK	74.0	-26.7	3.59 H	332	39.3	8.0
8	7434.00	37.3 AV	54.0	-16.7	3.59 H	332	29.3	8.0
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	*2478.00	111.6 PK			1.85 V	170	114.0	-2.4
2	*2478.00	101.4 AV			1.85 V	170	103.8	-2.4
3	2483.50	63.8 PK	74.0	-10.2	1.85 V	170	66.2	-2.4
4	2483.50	49.0 AV	54.0	-5.0	1.85 V	170	51.4	-2.4
5	4956.00	43.7 PK	74.0	-30.3	1.84 V	249	41.4	2.3
6	4956.00	36.8 AV	54.0	-17.2	1.84 V	249	34.5	2.3
7	7434.00	48.3 PK	74.0	-25.7	4.00 V	215	40.3	8.0
8	7434.00	38.8 AV	54.0	-15.2	4.00 V	215	30.8	8.0

Remarks:

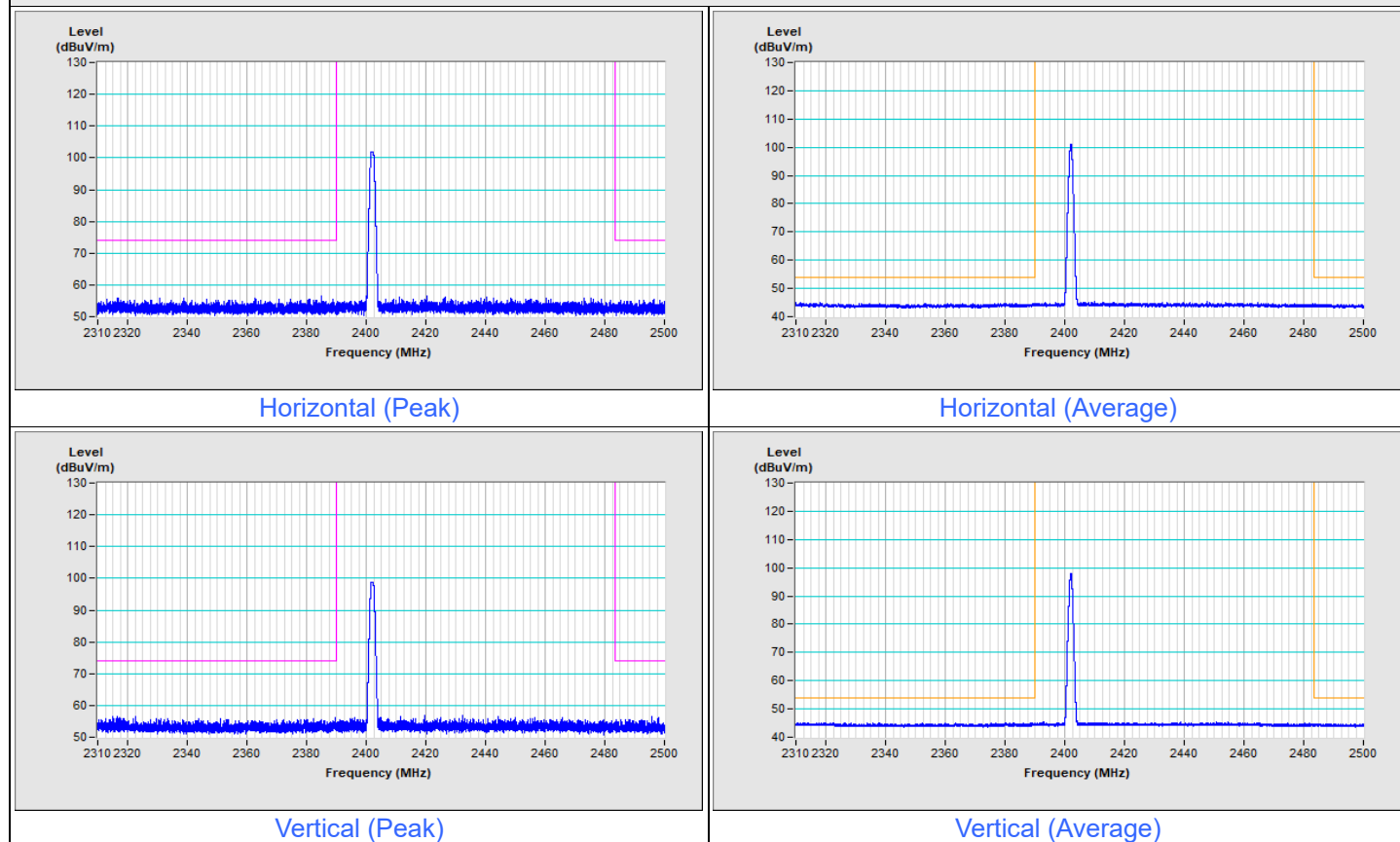
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

Plot of Band Edge

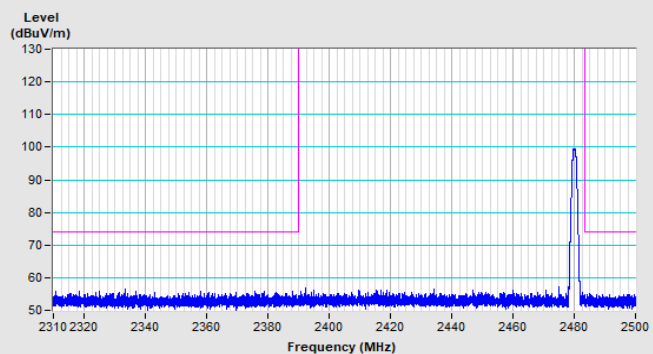
1Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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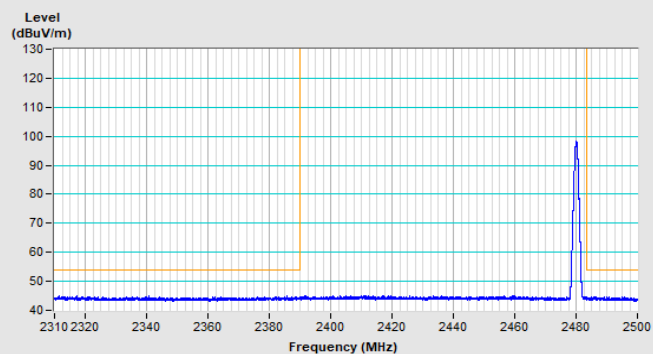
BT-LE 1M Channel 0



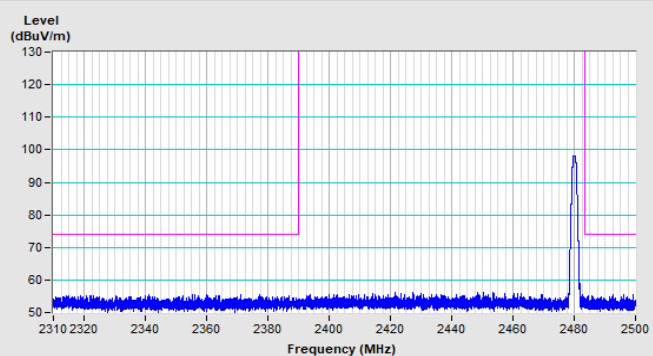
BT-LE 1M Channel 39



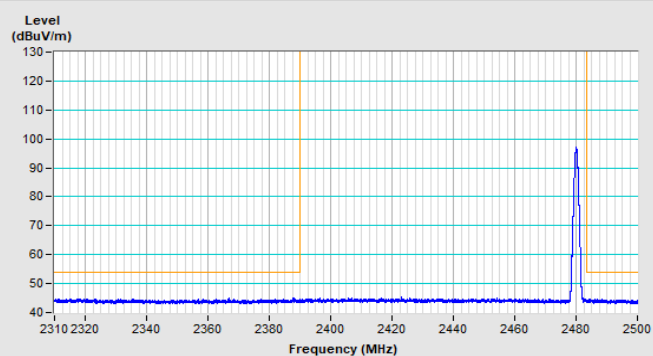
Horizontal (Peak)



Horizontal (Average)



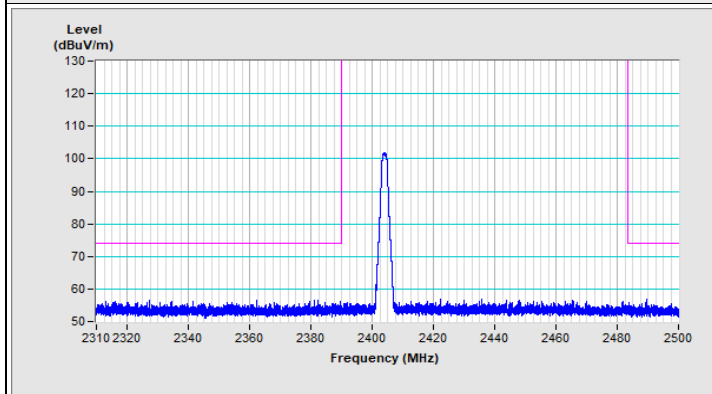
Vertical (Peak)



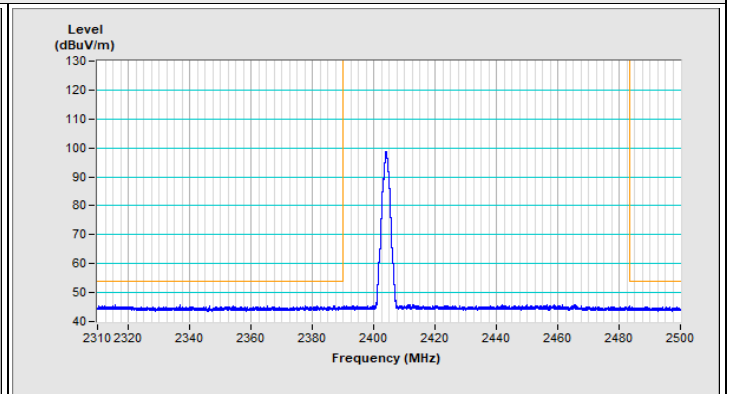
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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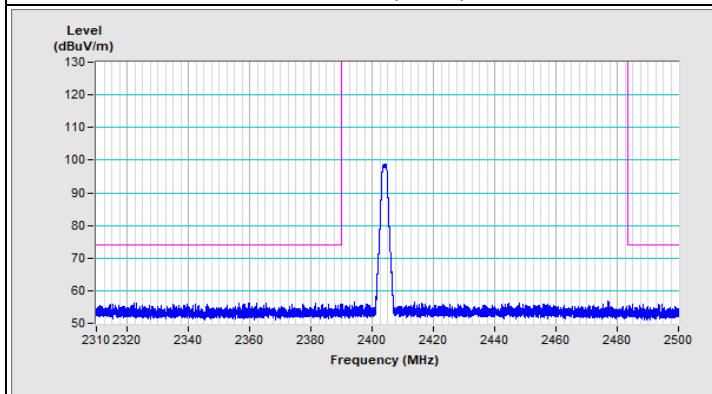
BT-LE 2M Channel 1



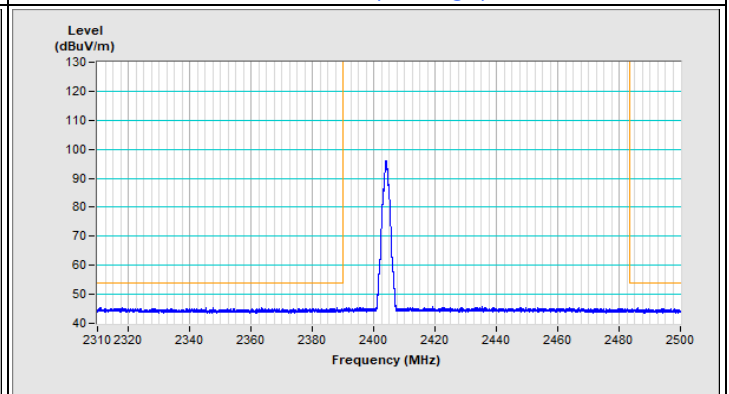
Horizontal (Peak)



Horizontal (Average)

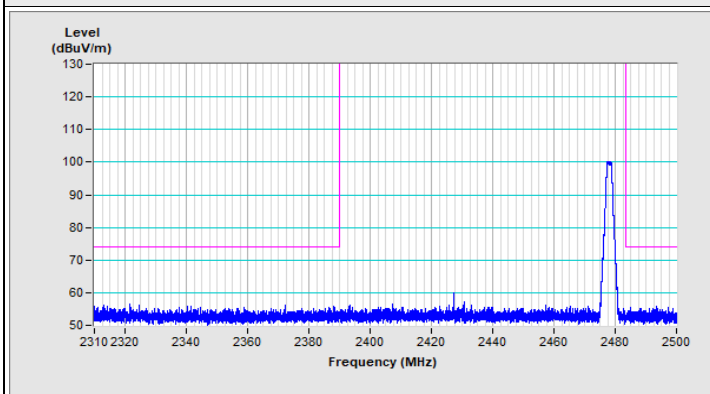


Vertical (Peak)

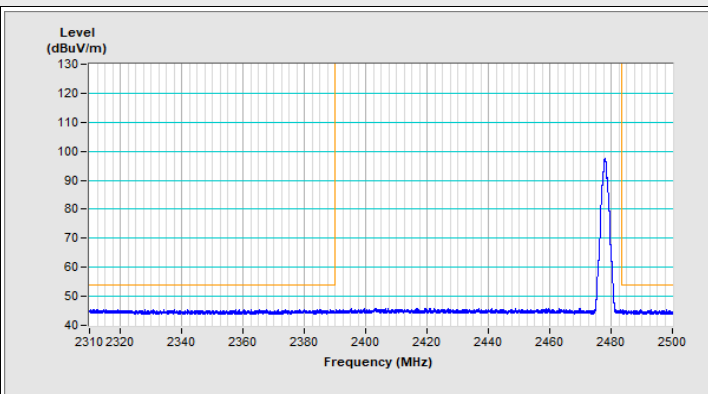


Vertical (Average)

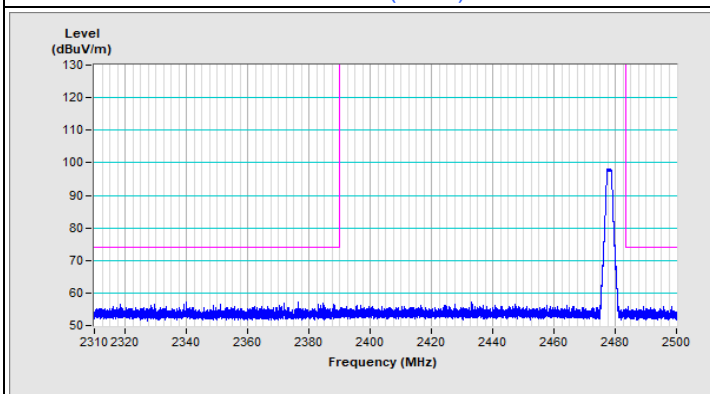
BT-LE 2M Channel 38



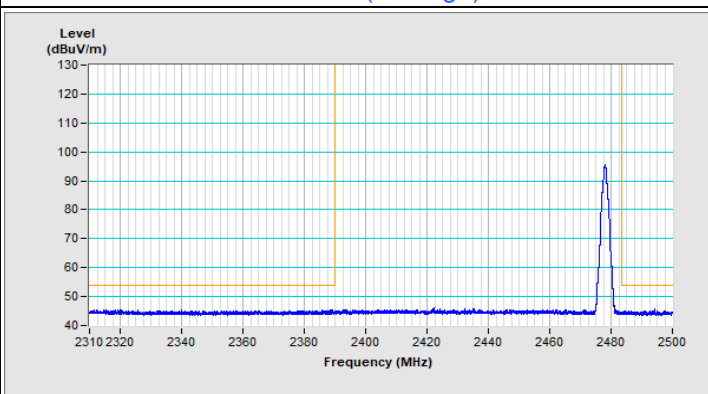
Horizontal (Peak)



Horizontal (Average)



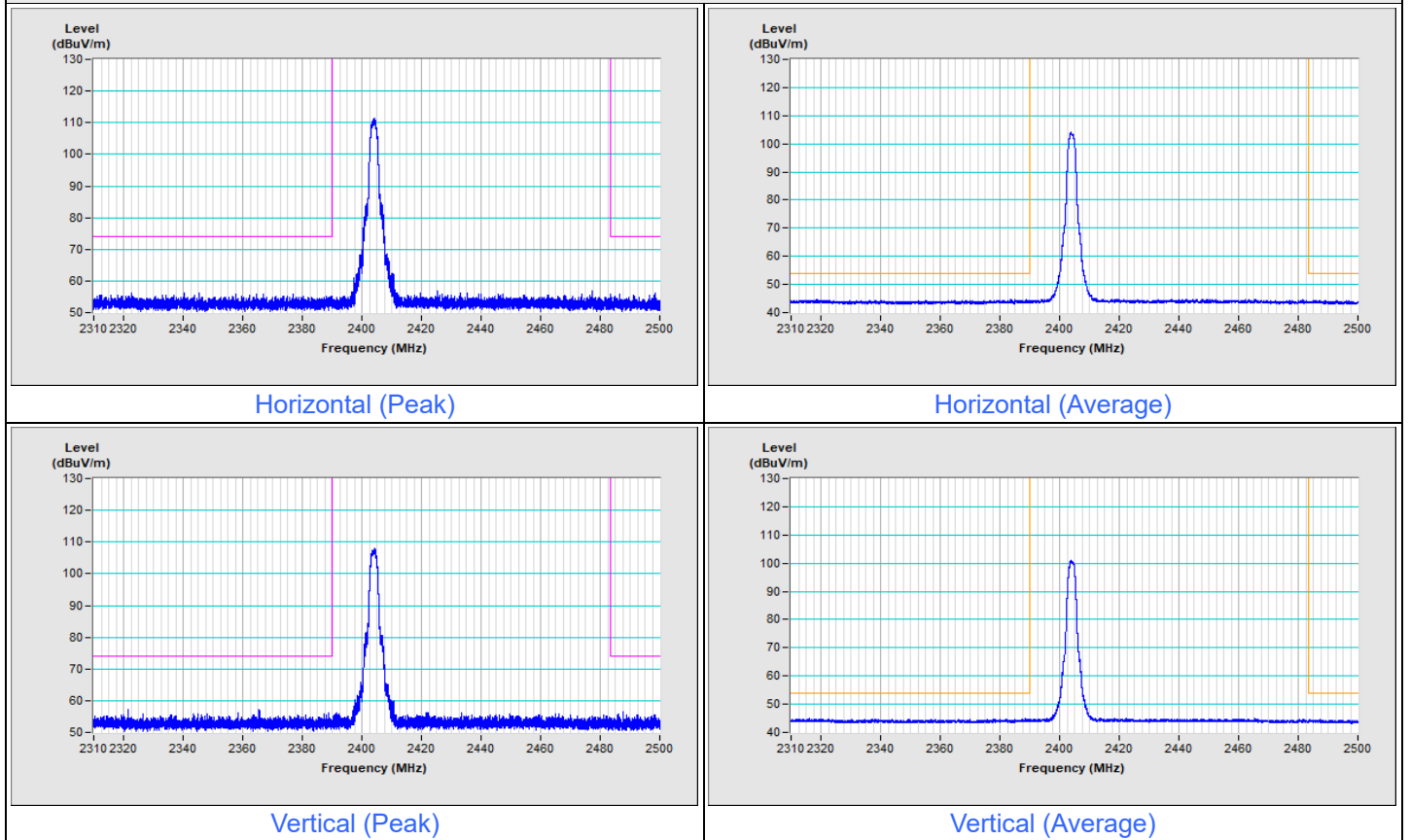
Vertical (Peak)



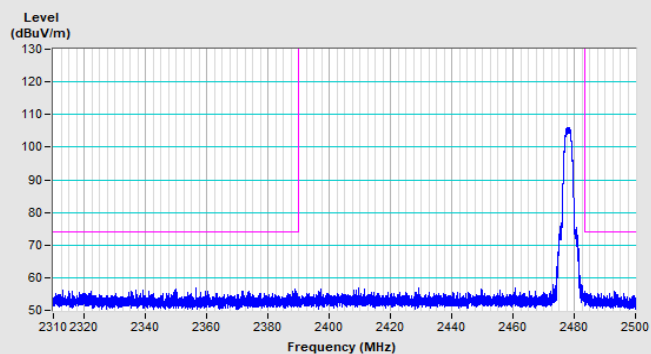
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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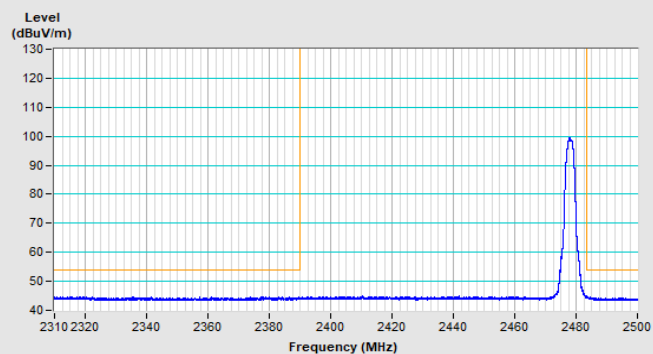
BT-LE HDT7.5 Channel 1



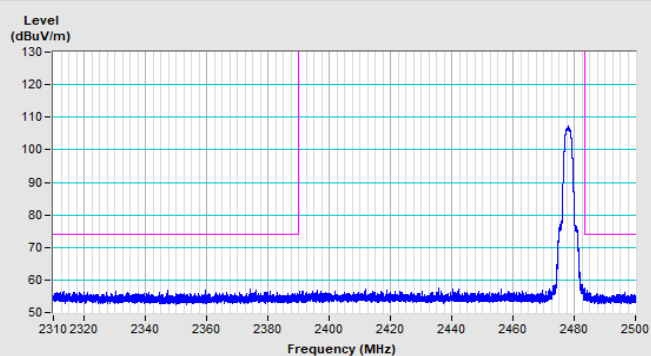
BT-LE HDT7.5 Channel 38



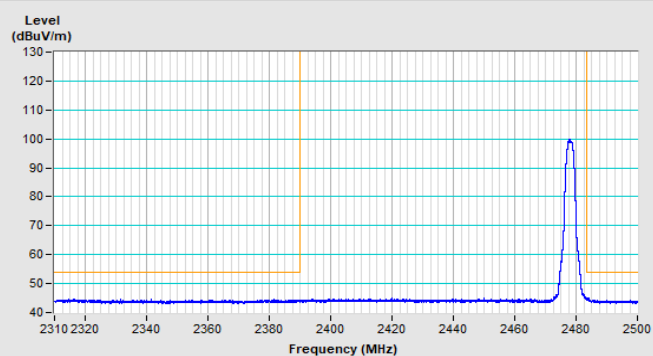
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

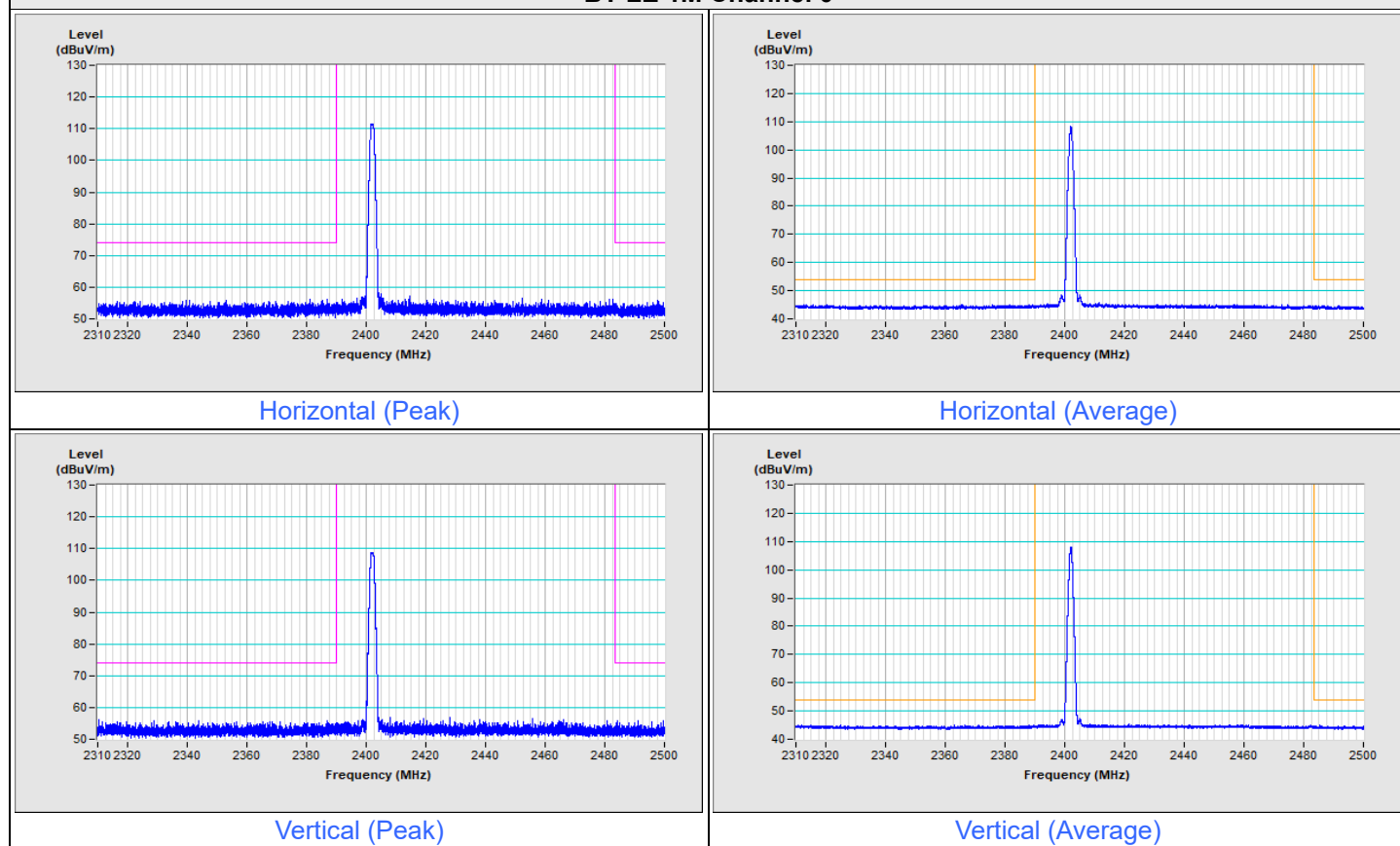


Vertical (Average)

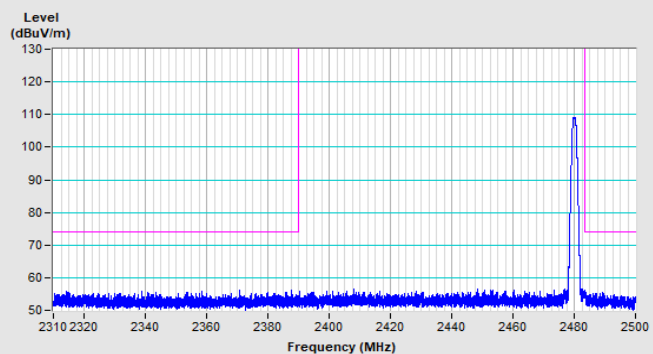
2Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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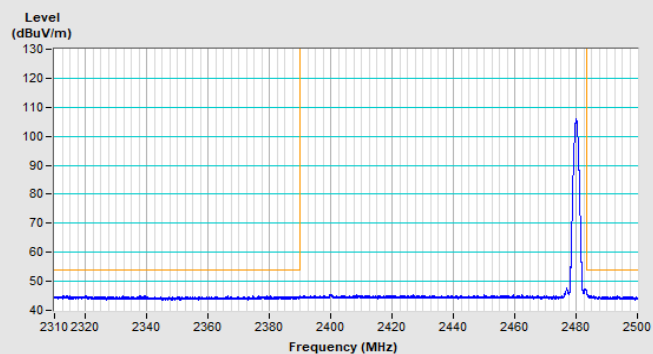
BT-LE 1M Channel 0



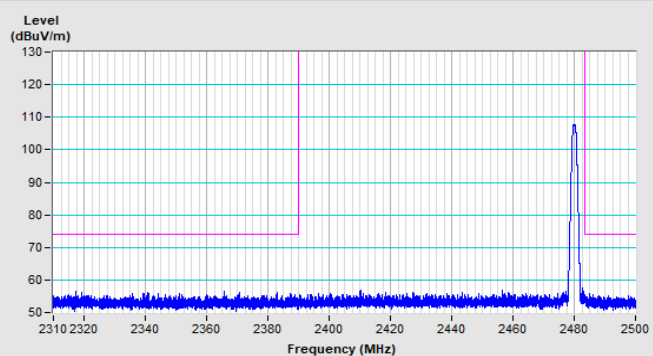
BT-LE 1M Channel 39



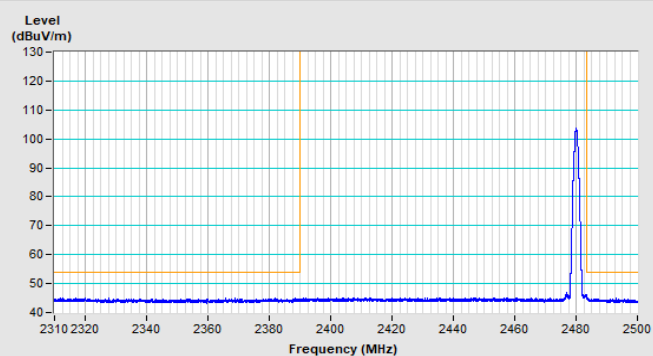
Horizontal (Peak)



Horizontal (Average)



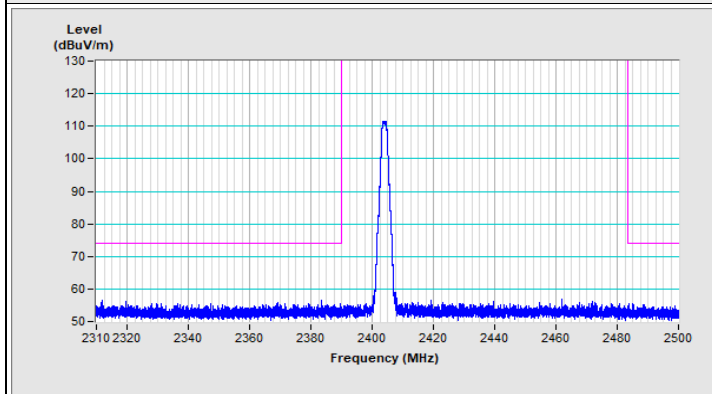
Vertical (Peak)



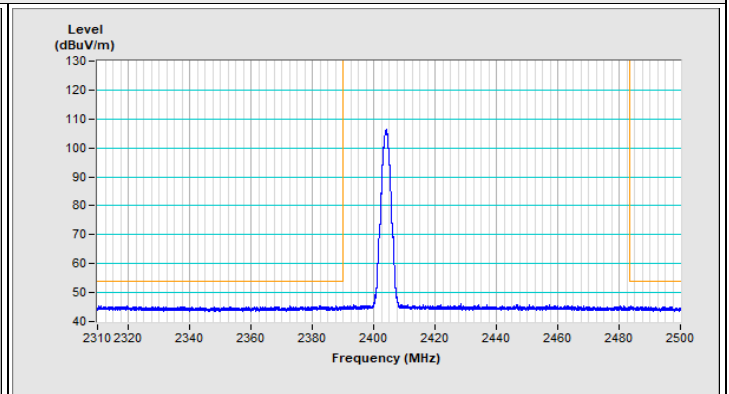
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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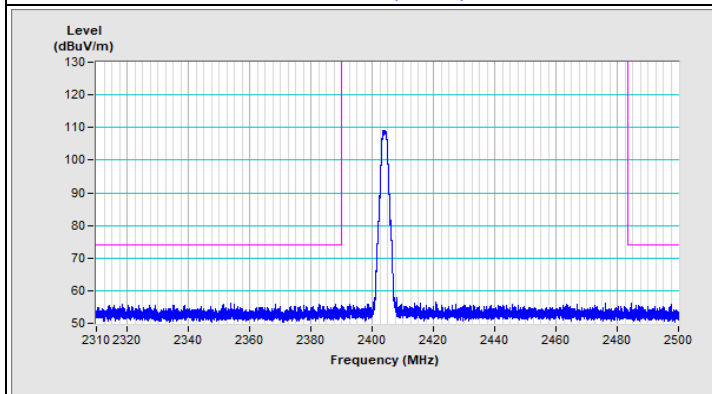
BT-LE 2M Channel 1



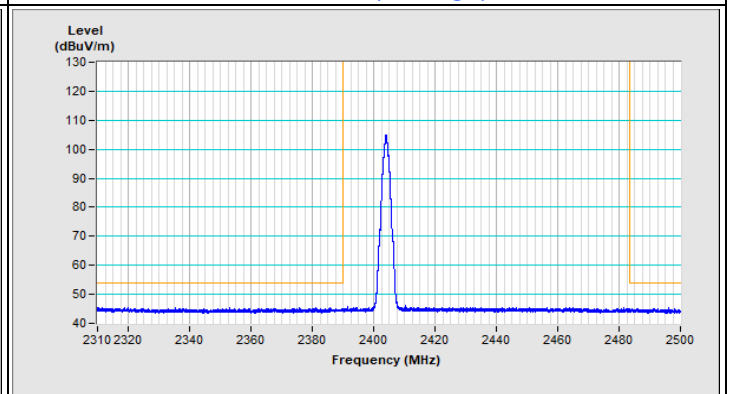
Horizontal (Peak)



Horizontal (Average)

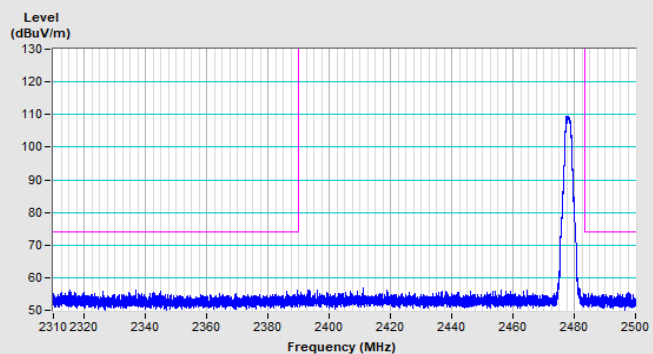


Vertical (Peak)

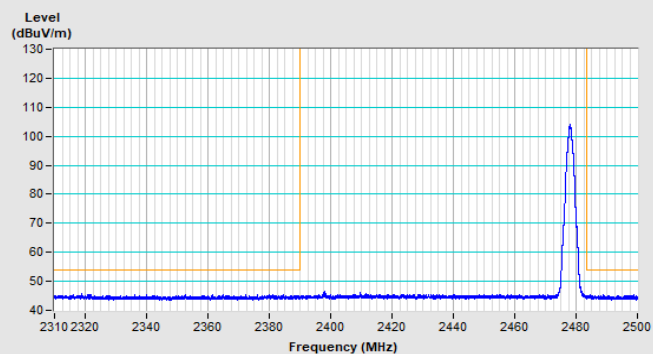


Vertical (Average)

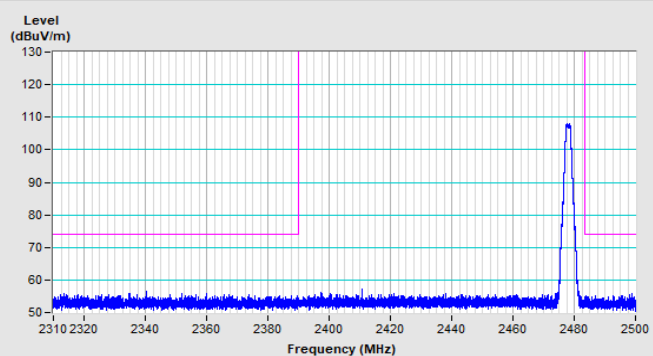
BT-LE 2M Channel 38



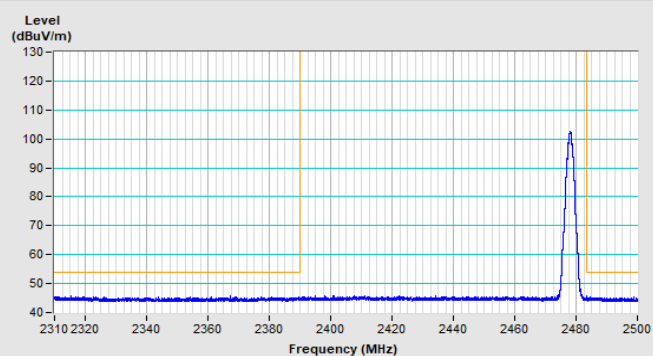
Horizontal (Peak)



Horizontal (Average)



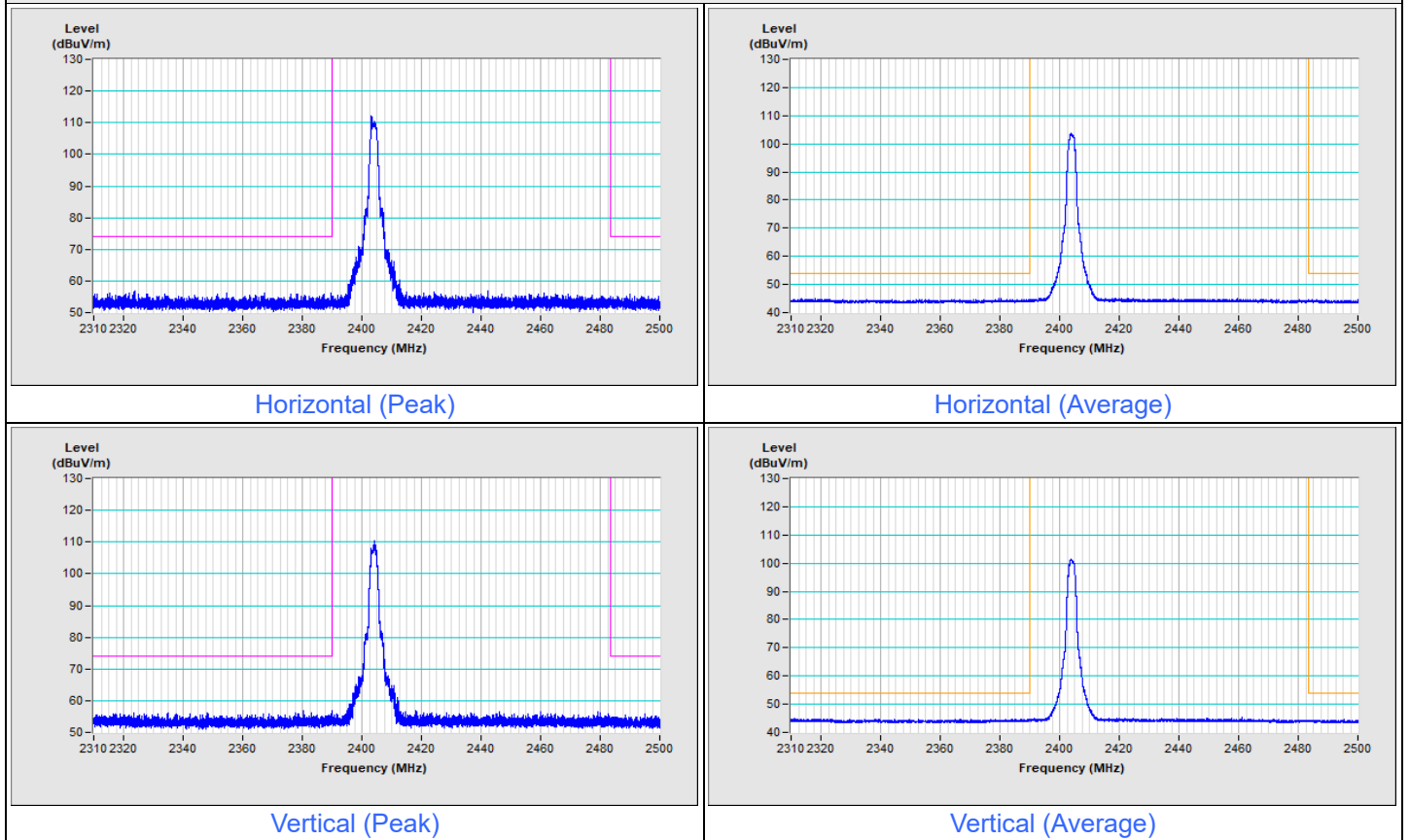
Vertical (Peak)



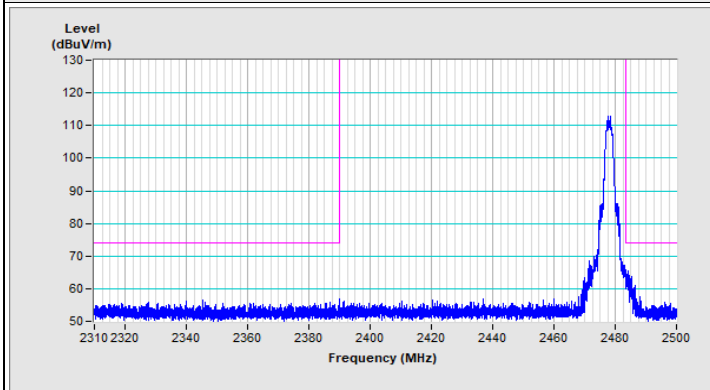
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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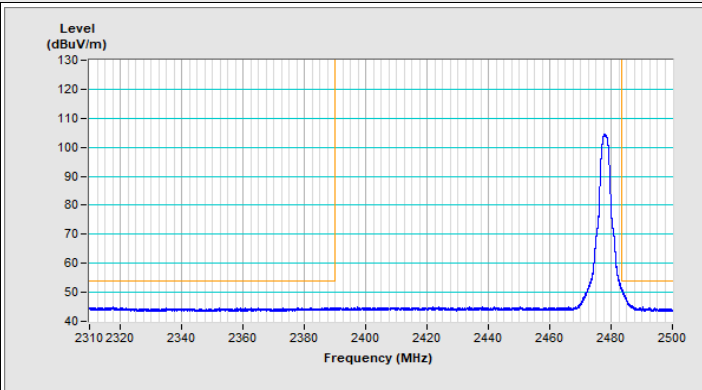
BT-LE HDT7.5 Channel 1



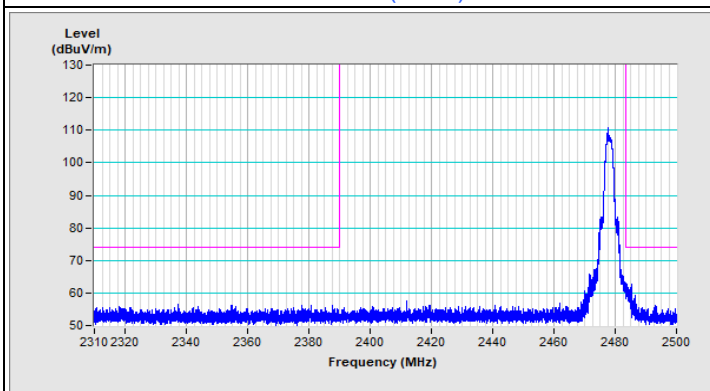
BT-LE HDT7.5 Channel 38



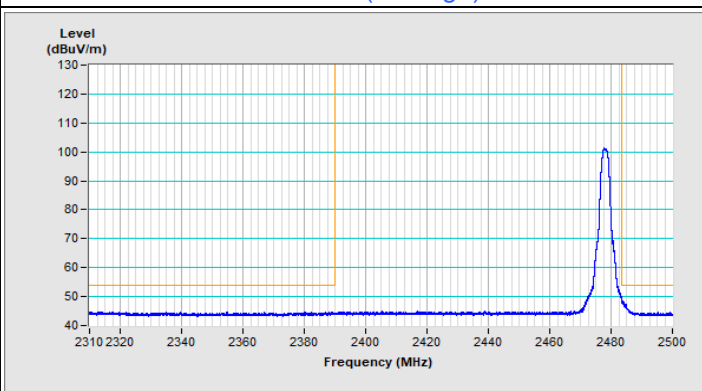
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode B

1Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.7 PK	74.0	-17.3	1.04 H	304	58.7	-2.0
2	2390.00	45.1 AV	54.0	-8.9	1.04 H	304	47.1	-2.0
3	*2402.00	100.9 PK			1.04 H	304	103.0	-2.1
4	*2402.00	99.8 AV			1.04 H	304	101.9	-2.1
5	4804.00	43.7 PK	74.0	-30.3	1.62 H	52	41.7	2.0
6	4804.00	33.4 AV	54.0	-20.6	1.62 H	52	31.4	2.0
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	2390.00	56.3 PK	74.0	-17.7	1.27 V	320	58.3	-2.0
2	2390.00	45.2 AV	54.0	-8.8	1.27 V	320	47.2	-2.0
3	*2402.00	94.4 PK			1.27 V	320	96.5	-2.1
4	*2402.00	93.3 AV			1.27 V	320	95.4	-2.1
5	4804.00	45.5 PK	74.0	-28.5	2.70 V	236	43.5	2.0
6	4804.00	34.9 AV	54.0	-19.1	2.70 V	236	32.9	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	101.5 PK			1.04 H	10	103.6	-2.1
2	*2440.00	100.3 AV			1.04 H	10	102.4	-2.1
3	4880.00	44.3 PK	74.0	-29.7	1.62 H	57	41.9	2.4
4	4880.00	33.7 AV	54.0	-20.3	1.62 H	57	31.3	2.4
5	7320.00	47.1 PK	74.0	-26.9	1.00 H	55	39.7	7.4
6	7320.00	35.1 AV	54.0	-18.9	1.00 H	55	27.7	7.4
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	*2440.00	94.0 PK			1.25 V	325	96.1	-2.1
2	*2440.00	93.1 AV			1.25 V	325	95.2	-2.1
3	4880.00	44.9 PK	74.0	-29.1	2.79 V	240	42.5	2.4
4	4880.00	34.6 AV	54.0	-19.4	2.79 V	240	32.2	2.4
5	7320.00	48.2 PK	74.0	-25.8	2.89 V	276	40.8	7.4
6	7320.00	36.3 AV	54.0	-17.7	2.89 V	276	28.9	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	103.4 PK			1.01 H	334	105.8	-2.4
2	*2480.00	102.7 AV			1.01 H	334	105.1	-2.4
3	2483.50	56.4 PK	74.0	-17.6	1.01 H	334	58.8	-2.4
4	2483.50	45.2 AV	54.0	-8.8	1.01 H	334	47.6	-2.4
5	4960.00	44.1 PK	74.0	-29.9	1.68 H	37	41.8	2.3
6	4960.00	33.6 AV	54.0	-20.4	1.68 H	37	31.3	2.3
7	7440.00	47.7 PK	74.0	-26.3	1.00 H	44	39.6	8.1
8	7440.00	35.4 AV	54.0	-18.6	1.00 H	44	27.3	8.1
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	94.4 PK			1.55 V	345	96.8	-2.4
2	*2480.00	93.5 AV			1.55 V	345	95.9	-2.4
3	2483.50	56.3 PK	74.0	-17.7	1.55 V	345	58.7	-2.4
4	2483.50	45.4 AV	54.0	-8.6	1.55 V	345	47.8	-2.4
5	4960.00	44.5 PK	74.0	-29.5	2.78 V	260	42.2	2.3
6	4960.00	34.3 AV	54.0	-19.7	2.78 V	260	32.0	2.3
7	7440.00	48.3 PK	74.0	-25.7	2.95 V	271	40.2	8.1
8	7440.00	36.8 AV	54.0	-17.2	2.95 V	271	28.7	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.2 PK	74.0	-17.8	1.01 H	306	58.2	-2.0
2	2390.00	45.2 AV	54.0	-8.8	1.01 H	306	47.2	-2.0
3	*2404.00	100.9 PK			1.01 H	306	103.0	-2.1
4	*2404.00	98.3 AV			1.01 H	306	100.4	-2.1
5	4808.00	43.7 PK	74.0	-30.3	1.62 H	53	41.6	2.1
6	4808.00	33.3 AV	54.0	-20.7	1.62 H	53	31.2	2.1
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	2390.00	56.2 PK	74.0	-17.8	1.09 V	333	58.2	-2.0
2	2390.00	45.3 AV	54.0	-8.7	1.09 V	333	47.3	-2.0
3	*2404.00	92.1 PK			1.09 V	333	94.2	-2.1
4	*2404.00	89.1 AV			1.09 V	333	91.2	-2.1
5	4808.00	45.3 PK	74.0	-28.7	2.72 V	246	43.2	2.1
6	4808.00	34.6 AV	54.0	-19.4	2.72 V	246	32.5	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	101.6 PK			1.04 H	321	103.7	-2.1
2	*2440.00	99.7 AV			1.04 H	321	101.8	-2.1
3	4880.00	44.1 PK	74.0	-29.9	1.64 H	56	41.7	2.4
4	4880.00	33.8 AV	54.0	-20.2	1.64 H	56	31.4	2.4
5	7320.00	46.6 PK	74.0	-27.4	1.02 H	59	39.2	7.4
6	7320.00	34.8 AV	54.0	-19.2	1.02 H	59	27.4	7.4
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	*2440.00	93.7 PK			1.21 V	346	95.8	-2.1
2	*2440.00	90.8 AV			1.21 V	346	92.9	-2.1
3	4880.00	45.5 PK	74.0	-28.5	2.71 V	265	43.1	2.4
4	4880.00	35.2 AV	54.0	-18.8	2.71 V	265	32.8	2.4
5	7320.00	48.1 PK	74.0	-25.9	2.96 V	289	40.7	7.4
6	7320.00	36.3 AV	54.0	-17.7	2.96 V	289	28.9	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2478.00	103.5 PK			1.00 H	332	105.9	-2.4
2	*2478.00	100.8 AV			1.00 H	332	103.2	-2.4
3	2483.50	56.3 PK	74.0	-17.7	1.00 H	332	58.7	-2.4
4	2483.50	45.5 AV	54.0	-8.5	1.00 H	332	47.9	-2.4
5	4956.00	44.7 PK	74.0	-29.3	1.66 H	52	42.4	2.3
6	4956.00	33.9 AV	54.0	-20.1	1.66 H	52	31.6	2.3
7	7434.00	47.3 PK	74.0	-26.7	1.00 H	32	39.3	8.0
8	7434.00	35.4 AV	54.0	-18.6	1.00 H	32	27.4	8.0
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	*2478.00	95.3 PK			1.33 V	353	97.7	-2.4
2	*2478.00	92.3 AV			1.33 V	353	94.7	-2.4
3	2483.50	57.1 PK	74.0	-16.9	1.33 V	353	59.5	-2.4
4	2483.50	45.1 AV	54.0	-8.9	1.33 V	353	47.5	-2.4
5	4956.00	45.3 PK	74.0	-28.7	2.79 V	266	43.0	2.3
6	4956.00	34.7 AV	54.0	-19.3	2.79 V	266	32.4	2.3
7	7434.00	48.5 PK	74.0	-25.5	2.89 V	282	40.5	8.0
8	7434.00	37.0 AV	54.0	-17.0	2.89 V	282	29.0	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.1 PK	74.0	-17.9	1.00 H	266	58.1	-2.0
2	2390.00	45.5 AV	54.0	-8.5	1.00 H	266	47.5	-2.0
3	*2404.00	108.7 PK			1.00 H	266	110.8	-2.1
4	*2404.00	101.5 AV			1.00 H	266	103.6	-2.1
5	4808.00	44.5 PK	74.0	-29.5	1.72 H	52	42.4	2.1
6	4808.00	34.0 AV	54.0	-20.0	1.72 H	52	31.9	2.1
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	2390.00	56.4 PK	74.0	-17.6	3.48 V	170	58.4	-2.0
2	2390.00	45.5 AV	54.0	-8.5	3.48 V	170	47.5	-2.0
3	*2404.00	107.5 PK			3.48 V	170	109.6	-2.1
4	*2404.00	100.1 AV			3.48 V	170	102.2	-2.1
5	4808.00	44.9 PK	74.0	-29.1	2.84 V	256	42.8	2.1
6	4808.00	34.6 AV	54.0	-19.4	2.84 V	256	32.5	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	106.2 PK			1.03 H	265	108.3	-2.1
2	*2440.00	97.8 AV			1.03 H	265	99.9	-2.1
3	4880.00	45.1 PK	74.0	-28.9	1.61 H	38	42.7	2.4
4	4880.00	34.3 AV	54.0	-19.7	1.61 H	38	31.9	2.4
5	7320.00	46.7 PK	74.0	-27.3	1.02 H	25	39.3	7.4
6	7320.00	35.1 AV	54.0	-18.9	1.02 H	25	27.7	7.4
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	*2440.00	104.6 PK			3.00 V	255	106.7	-2.1
2	*2440.00	95.7 AV			3.00 V	255	97.8	-2.1
3	4880.00	45.3 PK	74.0	-28.7	2.78 V	268	42.9	2.4
4	4880.00	34.7 AV	54.0	-19.3	2.78 V	268	32.3	2.4
5	7320.00	49.1 PK	74.0	-24.9	2.84 V	294	41.7	7.4
6	7320.00	37.4 AV	54.0	-16.6	2.84 V	294	30.0	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	103.5 PK			1.04 H	263	105.9	-2.4
2	*2478.00	95.6 AV			1.04 H	263	98.0	-2.4
3	2483.50	56.2 PK	74.0	-17.8	1.04 H	263	58.6	-2.4
4	2483.50	45.1 AV	54.0	-8.9	1.04 H	263	47.5	-2.4
5	4956.00	45.1 PK	74.0	-28.9	1.71 H	48	42.8	2.3
6	4956.00	34.3 AV	54.0	-19.7	1.71 H	48	32.0	2.3
7	7434.00	47.5 PK	74.0	-26.5	1.00 H	40	39.5	8.0
8	7434.00	35.7 AV	54.0	-18.3	1.00 H	40	27.7	8.0
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	*2478.00	101.4 PK			2.75 V	287	103.8	-2.4
2	*2478.00	93.6 AV			2.75 V	287	96.0	-2.4
3	2483.50	55.7 PK	74.0	-18.3	2.75 V	287	58.1	-2.4
4	2483.50	45.1 AV	54.0	-8.9	2.75 V	287	47.5	-2.4
5	4956.00	45.0 PK	74.0	-29.0	2.80 V	275	42.7	2.3
6	4956.00	34.6 AV	54.0	-19.4	2.80 V	275	32.3	2.3
7	7434.00	48.5 PK	74.0	-25.5	2.93 V	280	40.5	8.0
8	7434.00	37.0 AV	54.0	-17.0	2.93 V	280	29.0	8.0

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, the limit was restricted at the RF Output Power.

2Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	57.6 PK	74.0	-16.4	1.10 H	306	59.6	-2.0
2	2390.00	45.0 AV	54.0	-9.0	1.10 H	306	47.0	-2.0
3	*2402.00	106.5 PK			1.10 H	306	108.6	-2.1
4	*2402.00	101.6 AV			1.10 H	306	103.7	-2.1
5	4804.00	43.9 PK	74.0	-30.1	1.60 H	37	41.9	2.0
6	4804.00	33.4 AV	54.0	-20.6	1.60 H	37	31.4	2.0
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	2390.00	56.2 PK	74.0	-17.8	1.06 V	300	58.2	-2.0
2	2390.00	45.0 AV	54.0	-9.0	1.06 V	300	47.0	-2.0
3	*2402.00	98.8 PK			1.06 V	300	100.9	-2.1
4	*2402.00	95.2 AV			1.06 V	300	97.3	-2.1
5	4804.00	45.8 PK	74.0	-28.2	2.73 V	265	43.8	2.0
6	4804.00	35.1 AV	54.0	-18.9	2.73 V	265	33.1	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	106.9 PK			1.05 H	311	109.0	-2.1
2	*2440.00	102.7 AV			1.05 H	311	104.8	-2.1
3	4880.00	43.9 PK	74.0	-30.1	1.64 H	48	41.5	2.4
4	4880.00	33.4 AV	54.0	-20.6	1.64 H	48	31.0	2.4
5	7320.00	47.3 PK	74.0	-26.7	1.00 H	43	39.9	7.4
6	7320.00	35.3 AV	54.0	-18.7	1.00 H	43	27.9	7.4
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	*2440.00	99.3 PK			1.05 V	305	101.4	-2.1
2	*2440.00	95.5 AV			1.05 V	305	97.6	-2.1
3	4880.00	45.2 PK	74.0	-28.8	2.74 V	251	42.8	2.4
4	4880.00	34.8 AV	54.0	-19.2	2.74 V	251	32.4	2.4
5	7320.00	48.3 PK	74.0	-25.7	2.94 V	286	40.9	7.4
6	7320.00	36.6 AV	54.0	-17.4	2.94 V	286	29.2	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	107.6 PK			1.02 H	314	110.0	-2.4
2	*2480.00	103.4 AV			1.02 H	314	105.8	-2.4
3	2483.50	57.3 PK	74.0	-16.7	1.02 H	314	59.7	-2.4
4	2483.50	45.6 AV	54.0	-8.4	1.02 H	314	48.0	-2.4
5	4960.00	44.4 PK	74.0	-29.6	1.69 H	53	42.1	2.3
6	4960.00	33.7 AV	54.0	-20.3	1.69 H	53	31.4	2.3
7	7440.00	46.9 PK	74.0	-27.1	1.04 H	32	38.8	8.1
8	7440.00	35.0 AV	54.0	-19.0	1.04 H	32	26.9	8.1
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	99.5 PK			1.06 V	307	101.9	-2.4
2	*2480.00	95.8 AV			1.06 V	307	98.2	-2.4
3	2483.50	56.2 PK	74.0	-17.8	1.00 V	0	58.6	-2.4
4	2483.50	45.2 AV	54.0	-8.8	1.00 V	0	47.6	-2.4
5	4960.00	45.1 PK	74.0	-28.9	2.71 V	256	42.8	2.3
6	4960.00	34.7 AV	54.0	-19.3	2.71 V	256	32.4	2.3
7	7440.00	48.6 PK	74.0	-25.4	2.98 V	279	40.5	8.1
8	7440.00	36.7 AV	54.0	-17.3	2.98 V	279	28.6	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.0 PK	74.0	-18.0	1.11 H	305	58.0	-2.0
2	2390.00	45.6 AV	54.0	-8.4	1.11 H	305	47.6	-2.0
3	*2404.00	105.6 PK			1.11 H	305	107.7	-2.1
4	*2404.00	99.3 AV			1.11 H	305	101.4	-2.1
5	4808.00	43.6 PK	74.0	-30.4	1.66 H	54	41.5	2.1
6	4808.00	33.3 AV	54.0	-20.7	1.66 H	54	31.2	2.1
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	2390.00	56.1 PK	74.0	-17.9	1.40 V	332	58.1	-2.0
2	2390.00	45.4 AV	54.0	-8.6	1.40 V	332	47.4	-2.0
3	*2404.00	96.4 PK			1.40 V	332	98.5	-2.1
4	*2404.00	93.0 AV			1.40 V	332	95.1	-2.1
5	4808.00	45.2 PK	74.0	-28.8	2.76 V	243	43.1	2.1
6	4808.00	35.0 AV	54.0	-19.0	2.76 V	243	32.9	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	106.5 PK			1.02 H	300	108.6	-2.1
2	*2440.00	100.4 AV			1.02 H	300	102.5	-2.1
3	4880.00	44.1 PK	74.0	-29.9	1.60 H	52	41.7	2.4
4	4880.00	33.9 AV	54.0	-20.1	1.60 H	52	31.5	2.4
5	7320.00	47.2 PK	74.0	-26.8	1.06 H	30	39.8	7.4
6	7320.00	35.1 AV	54.0	-18.9	1.06 H	30	27.7	7.4
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	*2440.00	98.2 PK			1.25 V	316	100.3	-2.1
2	*2440.00	93.6 AV			1.25 V	316	95.7	-2.1
3	4880.00	45.0 PK	74.0	-29.0	2.72 V	242	42.6	2.4
4	4880.00	34.8 AV	54.0	-19.2	2.72 V	242	32.4	2.4
5	7320.00	47.8 PK	74.0	-26.2	2.98 V	275	40.4	7.4
6	7320.00	36.2 AV	54.0	-17.8	2.98 V	275	28.8	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 73% RH
Tested By	Vanness Huang		

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	*2478.00	107.2 PK			1.10 H	317	109.6	-2.4
2	*2478.00	101.2 AV			1.10 H	317	103.6	-2.4
3	2483.50	56.2 PK	74.0	-17.8	1.10 H	317	58.6	-2.4
4	2483.50	45.3 AV	54.0	-8.7	1.10 H	317	47.7	-2.4
5	4956.00	44.0 PK	74.0	-30.0	1.63 H	40	41.7	2.3
6	4956.00	33.7 AV	54.0	-20.3	1.63 H	40	31.4	2.3
7	7434.00	46.9 PK	74.0	-27.1	1.05 H	57	38.9	8.0
8	7434.00	35.2 AV	54.0	-18.8	1.05 H	57	27.2	8.0
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	*2478.00	100.0 PK			1.20 V	306	102.4	-2.4
2	*2478.00	94.2 AV			1.20 V	306	96.6	-2.4
3	2483.50	56.0 PK	74.0	-18.0	1.20 V	306	58.4	-2.4
4	2483.50	45.6 AV	54.0	-8.4	1.20 V	306	48.0	-2.4
5	4956.00	45.5 PK	74.0	-28.5	2.69 V	264	43.2	2.3
6	4956.00	35.1 AV	54.0	-18.9	2.69 V	264	32.8	2.3
7	7434.00	48.5 PK	74.0	-25.5	2.89 V	297	40.5	8.0
8	7434.00	36.8 AV	54.0	-17.2	2.89 V	297	28.8	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.3 PK	74.0	-17.7	1.87 H	264	58.3	-2.0
2	2390.00	45.3 AV	54.0	-8.7	1.87 H	264	47.3	-2.0
3	*2404.00	108.2 PK			1.87 H	264	110.3	-2.1
4	*2404.00	100.8 AV			1.87 H	264	102.9	-2.1
5	4808.00	44.5 PK	74.0	-29.5	1.66 H	36	42.4	2.1
6	4808.00	34.0 AV	54.0	-20.0	1.66 H	36	31.9	2.1
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	2390.00	56.5 PK	74.0	-17.5	2.56 V	296	58.5	-2.0
2	2390.00	45.7 AV	54.0	-8.3	2.56 V	296	47.7	-2.0
3	*2404.00	105.2 PK			2.56 V	296	107.3	-2.1
4	*2404.00	97.8 AV			2.56 V	296	99.9	-2.1
5	4808.00	45.0 PK	74.0	-29.0	2.76 V	257	42.9	2.1
6	4808.00	35.0 AV	54.0	-19.0	2.76 V	257	32.9	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	106.4 PK			1.82 H	267	108.5	-2.1
2	*2440.00	97.6 AV			1.82 H	267	99.7	-2.1
3	4880.00	44.4 PK	74.0	-29.6	1.60 H	39	42.0	2.4
4	4880.00	33.9 AV	54.0	-20.1	1.60 H	39	31.5	2.4
5	7320.00	46.9 PK	74.0	-27.1	1.05 H	51	39.5	7.4
6	7320.00	35.2 AV	54.0	-18.8	1.05 H	51	27.8	7.4
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	*2440.00	103.8 PK			2.57 V	291	105.9	-2.1
2	*2440.00	96.4 AV			2.57 V	291	98.5	-2.1
3	4880.00	45.0 PK	74.0	-29.0	2.68 V	242	42.6	2.4
4	4880.00	34.9 AV	54.0	-19.1	2.68 V	242	32.5	2.4
5	7320.00	47.4 PK	74.0	-26.6	2.98 V	278	40.0	7.4
6	7320.00	35.9 AV	54.0	-18.1	2.98 V	278	28.5	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	103.5 PK			1.80 H	264	105.9	-2.4
2	*2478.00	95.2 AV			1.80 H	264	97.6	-2.4
3	2483.50	56.4 PK	74.0	-17.6	1.80 H	264	58.8	-2.4
4	2483.50	45.7 AV	54.0	-8.3	1.80 H	264	48.1	-2.4
5	4956.00	44.0 PK	74.0	-30.0	1.59 H	27	41.7	2.3
6	4956.00	33.4 AV	54.0	-20.6	1.59 H	27	31.1	2.3
7	7434.00	47.3 PK	74.0	-26.7	1.06 H	53	39.3	8.0
8	7434.00	35.5 AV	54.0	-18.5	1.06 H	53	27.5	8.0
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	*2478.00	101.8 PK			2.73 V	288	104.2	-2.4
2	*2478.00	93.8 AV			2.73 V	288	96.2	-2.4
3	2483.50	55.7 PK	74.0	-18.3	2.73 V	288	58.1	-2.4
4	2483.50	44.9 AV	54.0	-9.1	2.73 V	288	47.3	-2.4
5	4956.00	45.3 PK	74.0	-28.7	2.67 V	243	43.0	2.3
6	4956.00	35.2 AV	54.0	-18.8	2.67 V	243	32.9	2.3
7	7434.00	47.7 PK	74.0	-26.3	2.93 V	284	39.7	8.0
8	7434.00	36.1 AV	54.0	-17.9	2.93 V	284	28.1	8.0

Remarks:

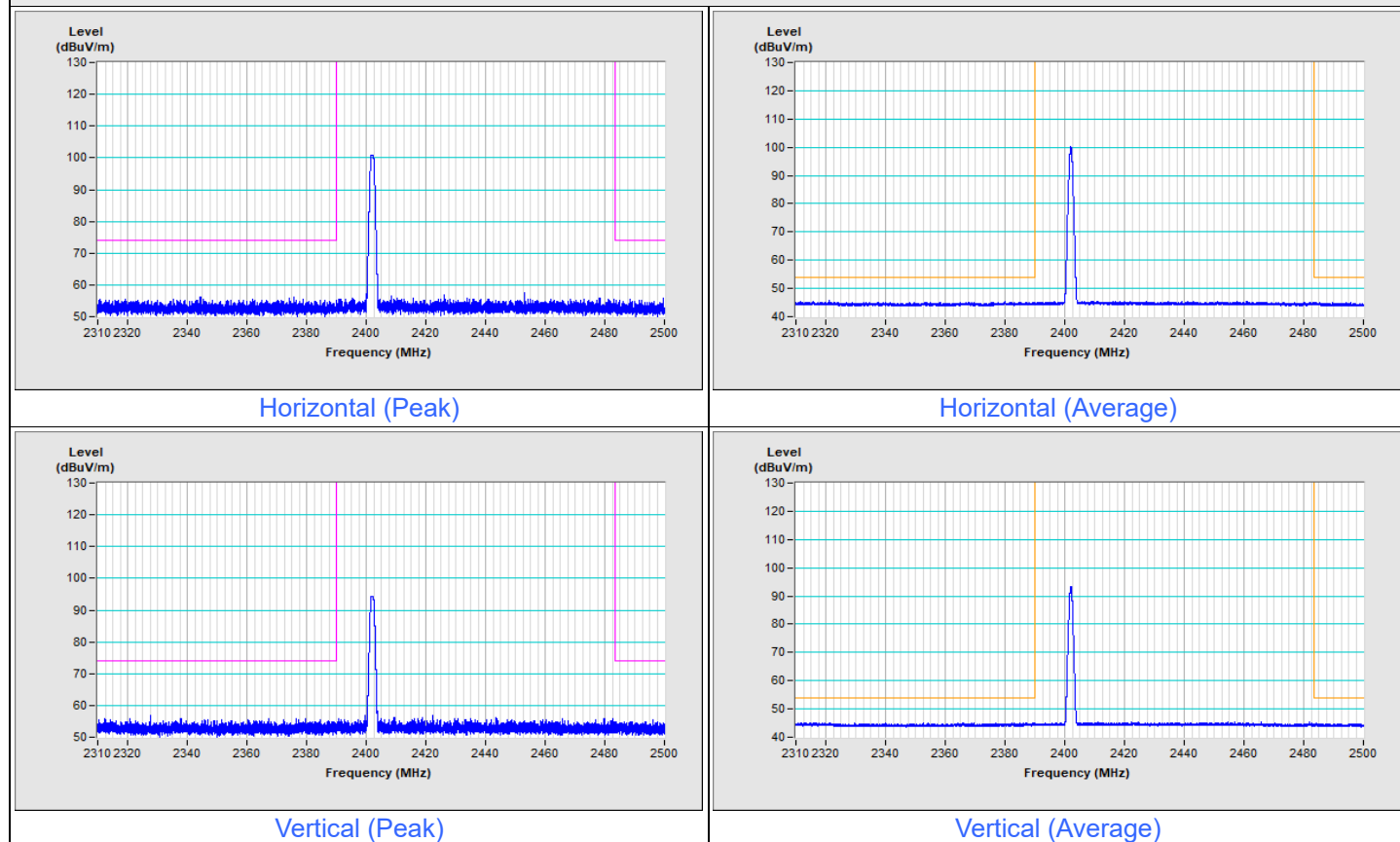
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

Plot of Band Edge

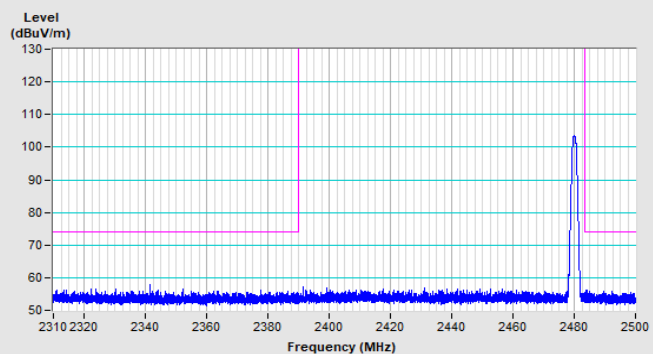
1Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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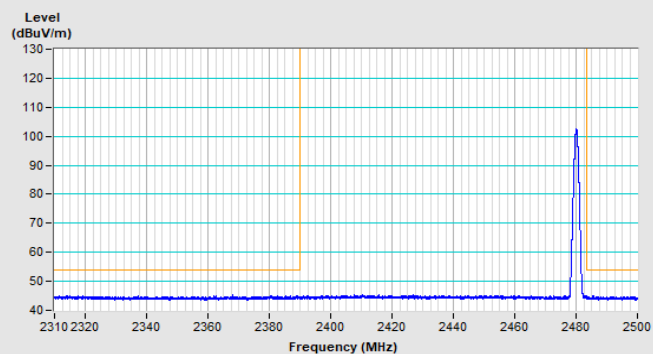
BT-LE 1M Channel 0



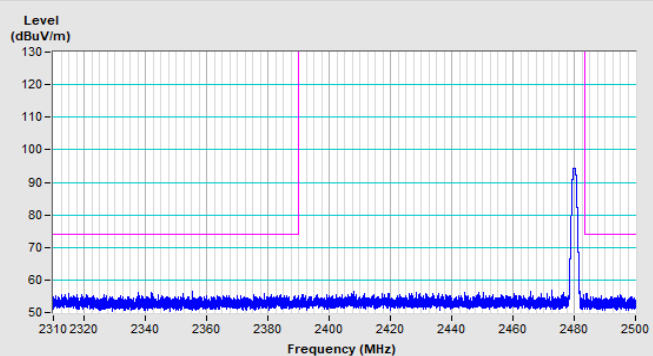
BT-LE 1M Channel 39



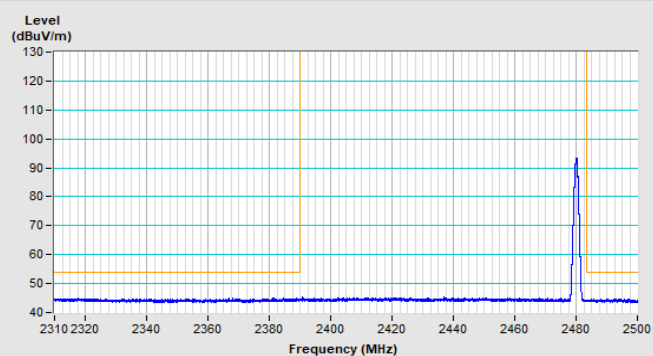
Horizontal (Peak)



Horizontal (Average)



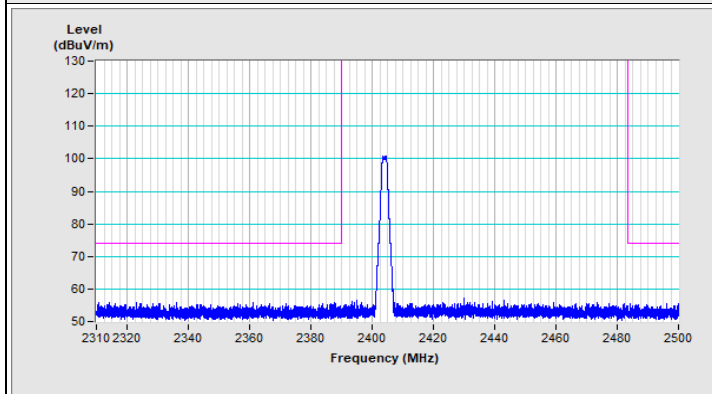
Vertical (Peak)



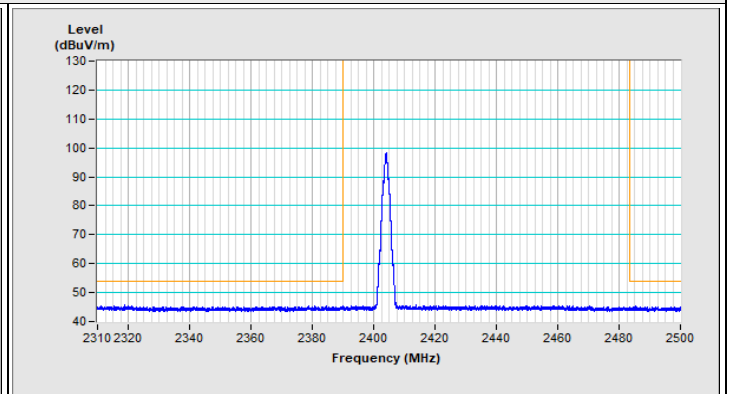
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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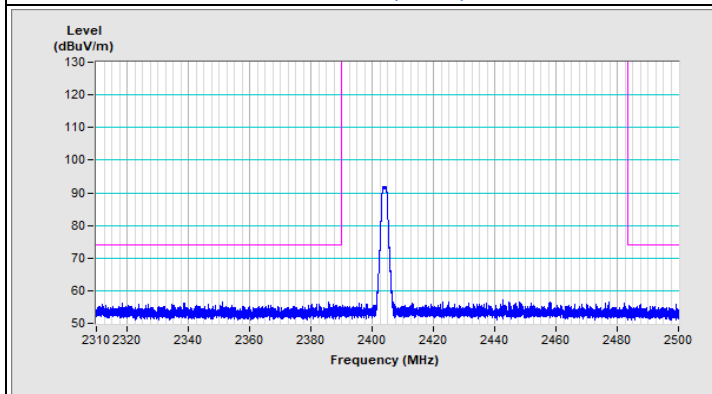
BT-LE 2M Channel 1



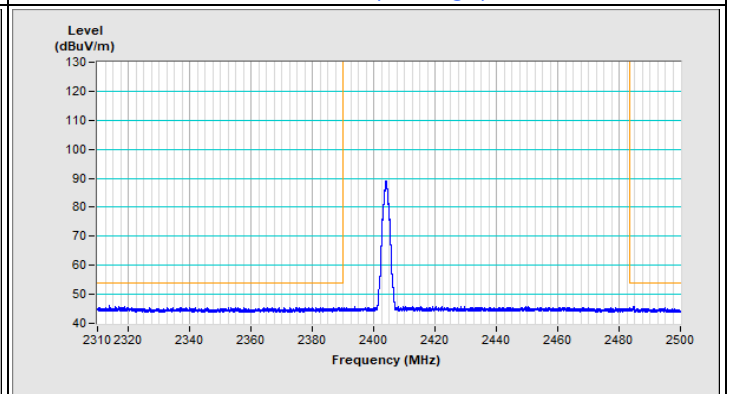
Horizontal (Peak)



Horizontal (Average)

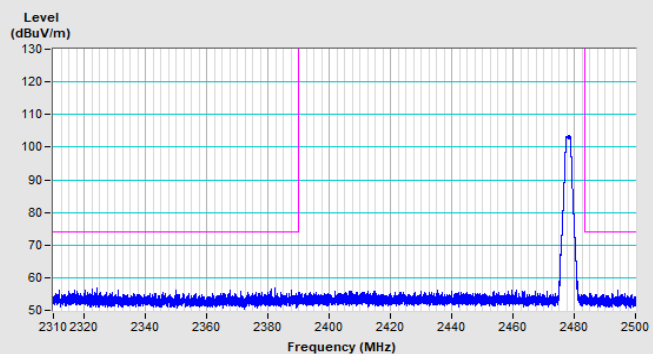


Vertical (Peak)

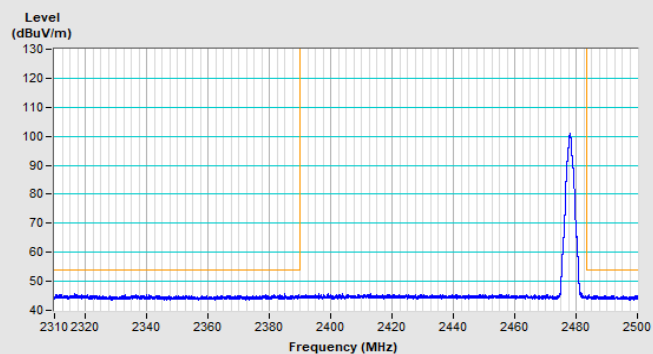


Vertical (Average)

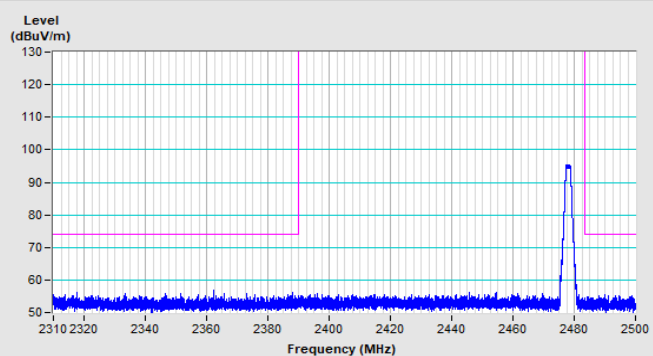
BT-LE 2M Channel 38



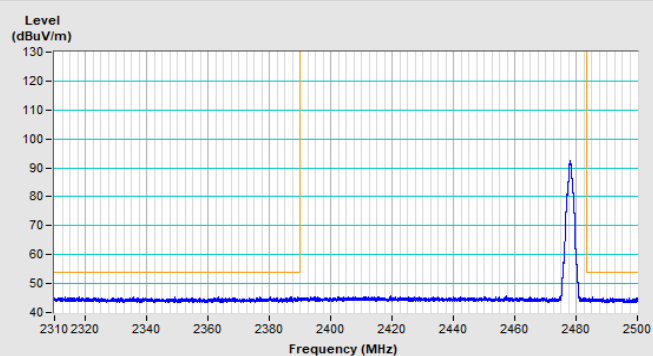
Horizontal (Peak)



Horizontal (Average)



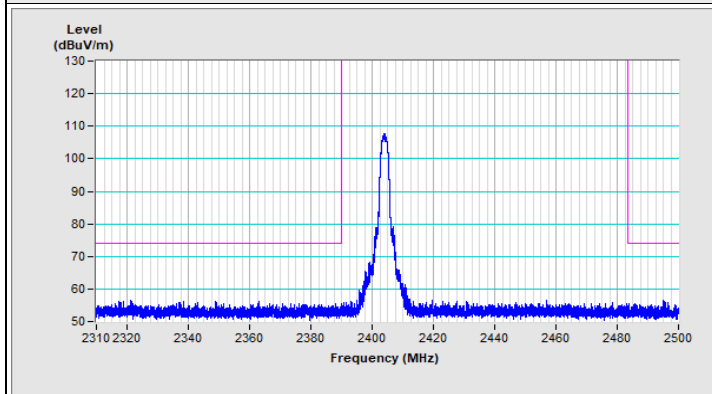
Vertical (Peak)



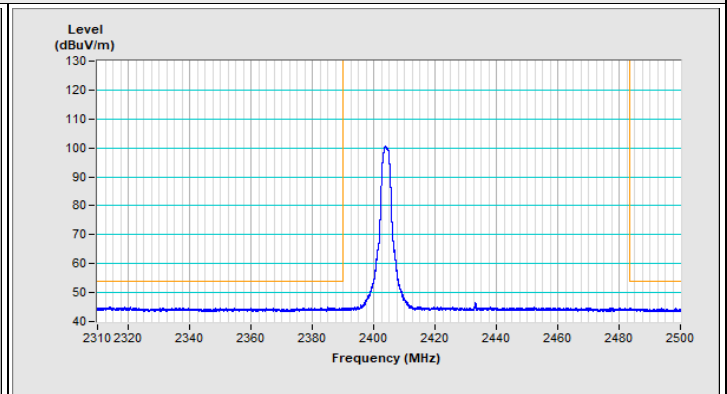
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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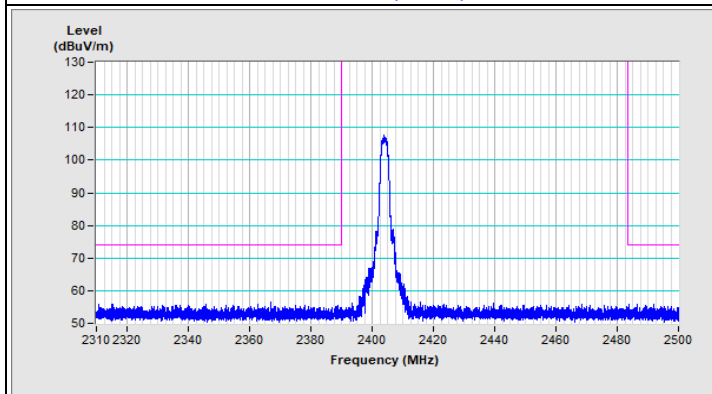
BT-LE HDT7.5 Channel 1



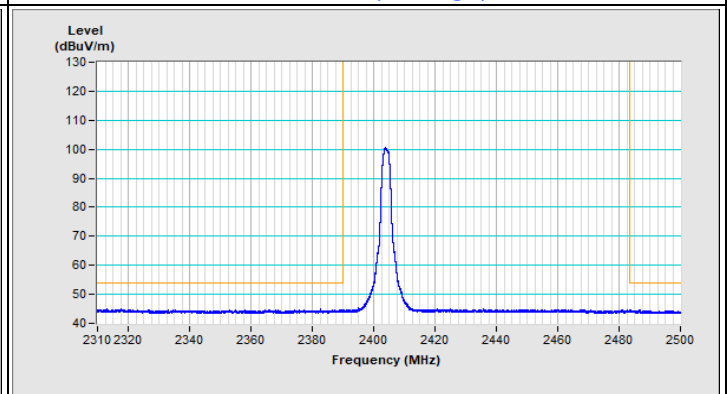
Horizontal (Peak)



Horizontal (Average)

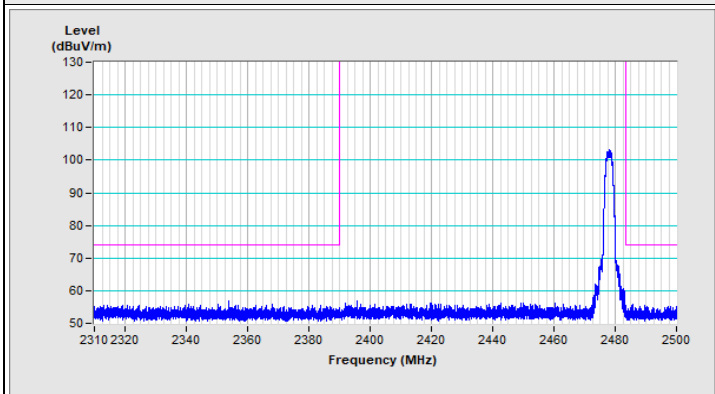


Vertical (Peak)

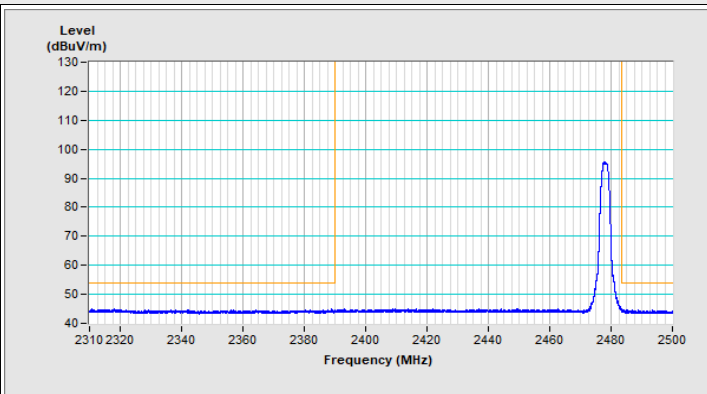


Vertical (Average)

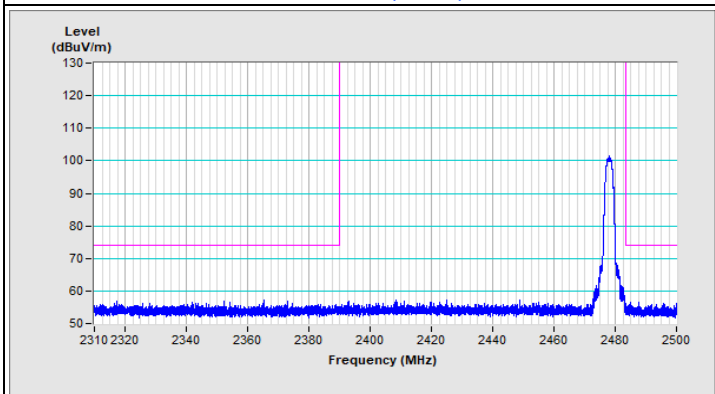
BT-LE HDT7.5 Channel 38



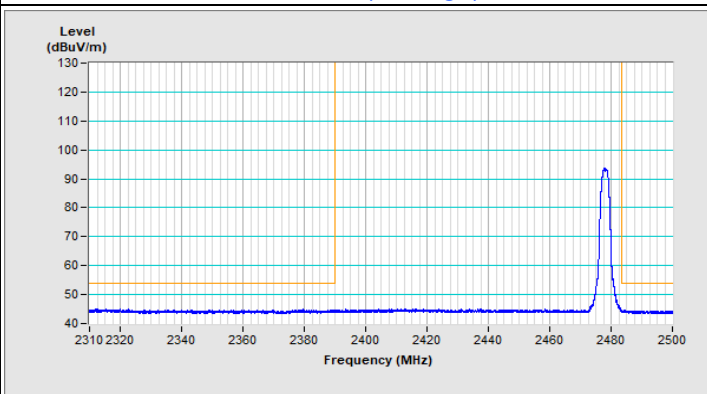
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

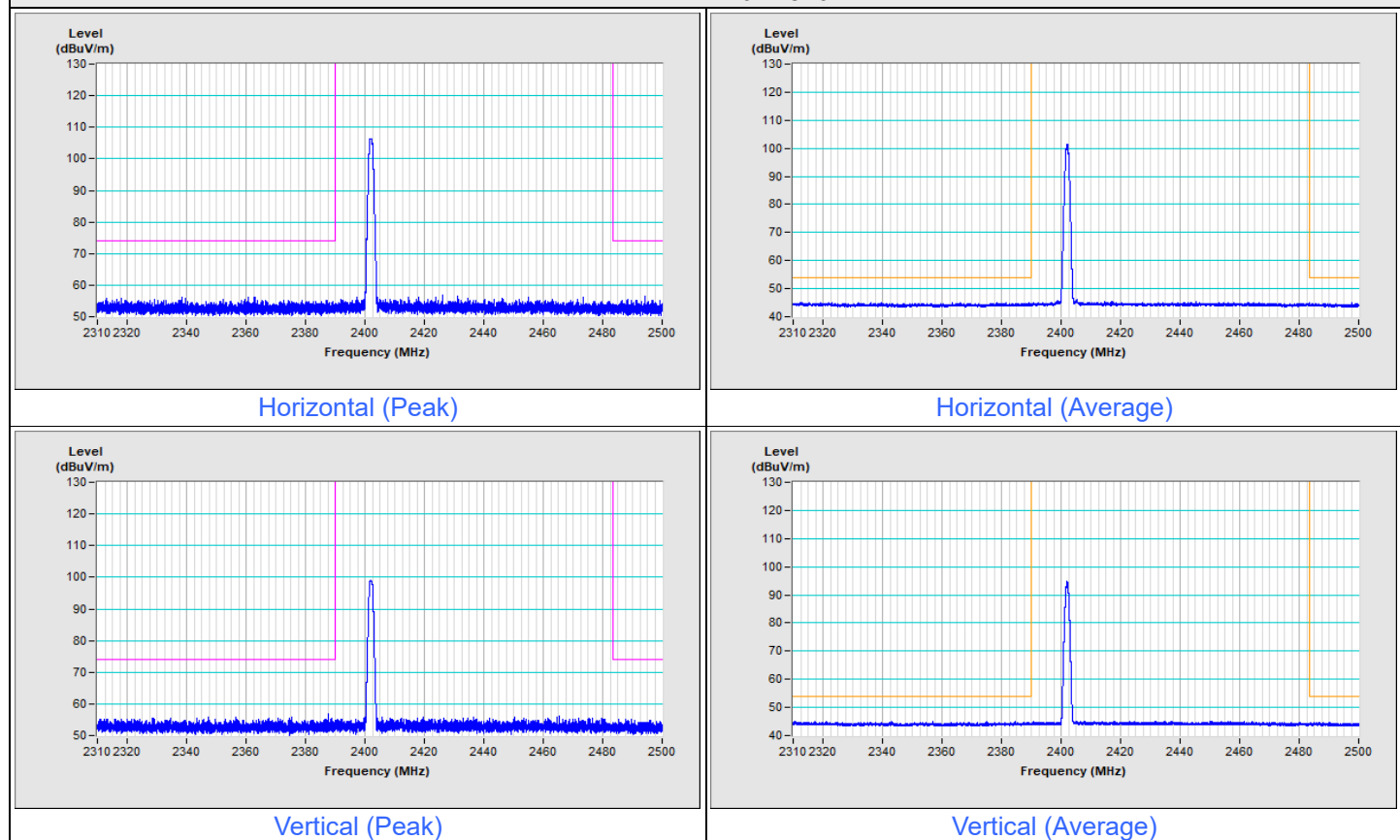


Vertical (Average)

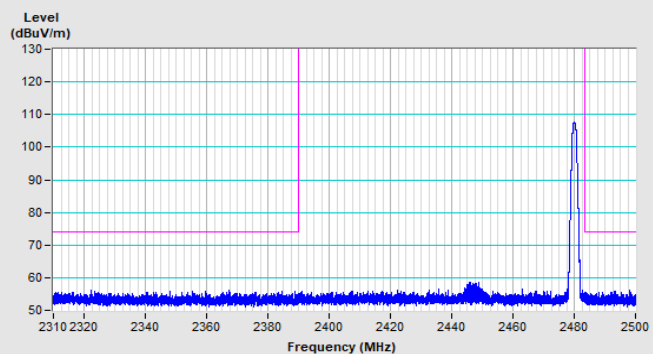
2Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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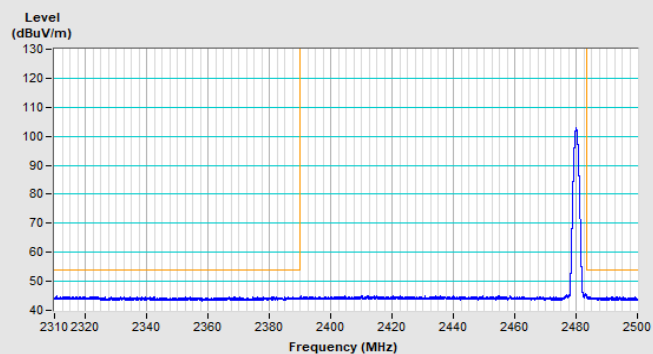
BT-LE 1M Channel 0



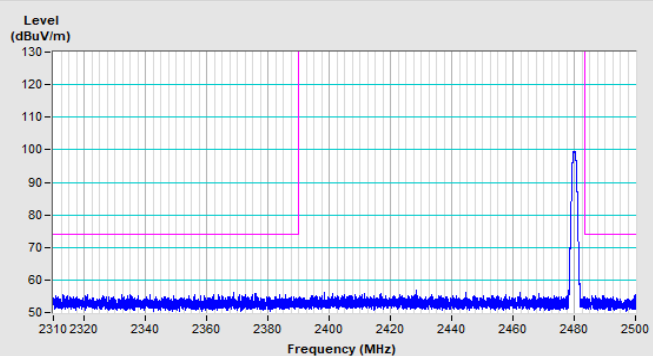
BT-LE 1M Channel 39



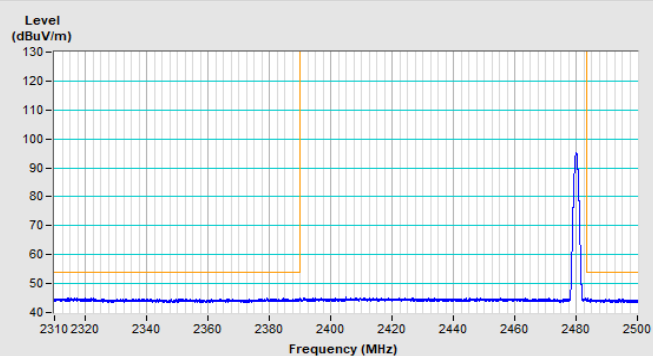
Horizontal (Peak)



Horizontal (Average)



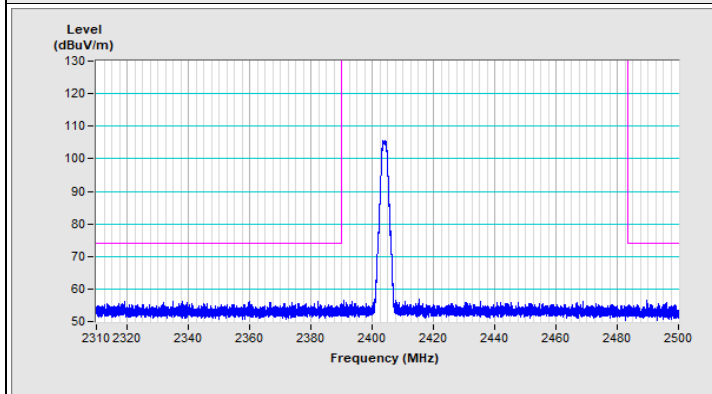
Vertical (Peak)



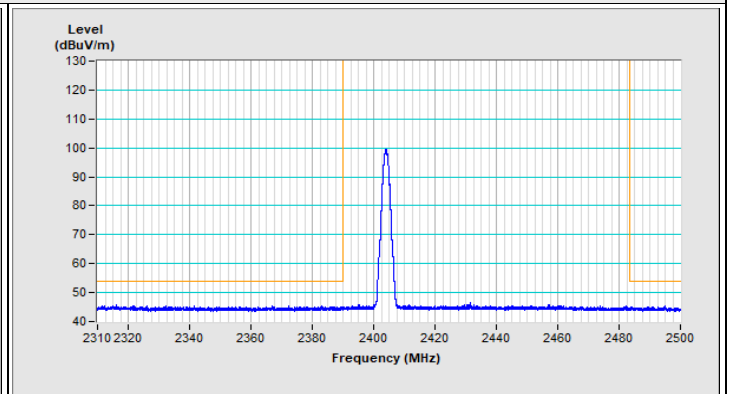
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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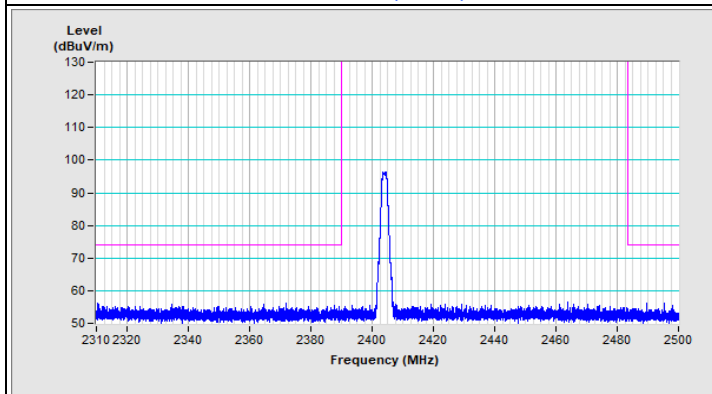
BT-LE 2M Channel 1



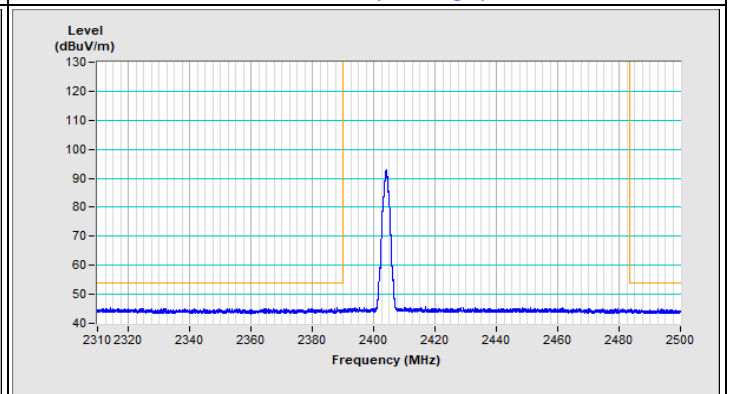
Horizontal (Peak)



Horizontal (Average)

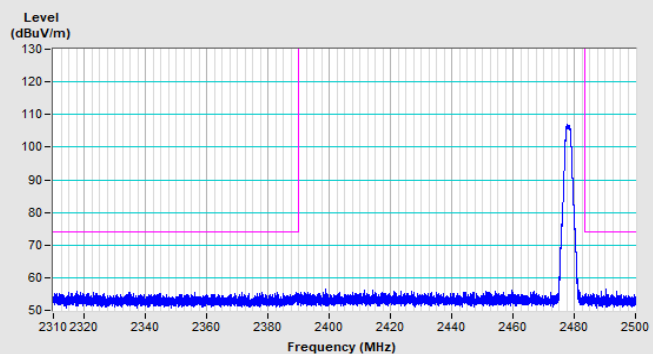


Vertical (Peak)

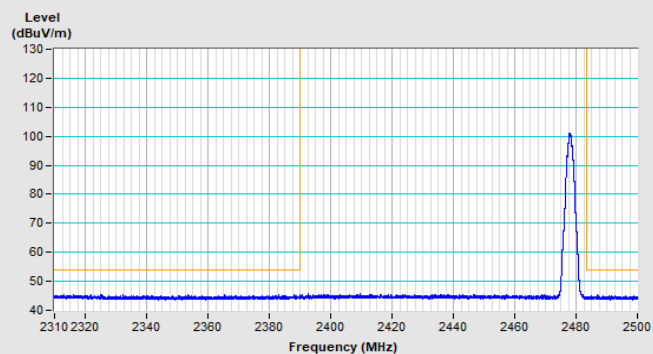


Vertical (Average)

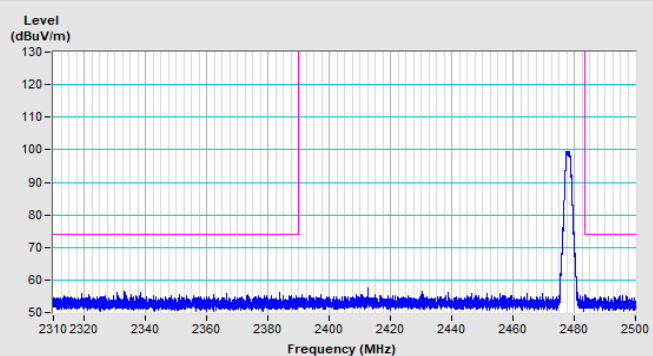
BT-LE 2M Channel 38



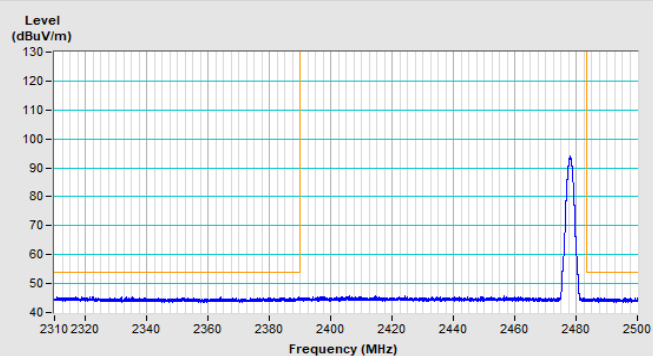
Horizontal (Peak)



Horizontal (Average)



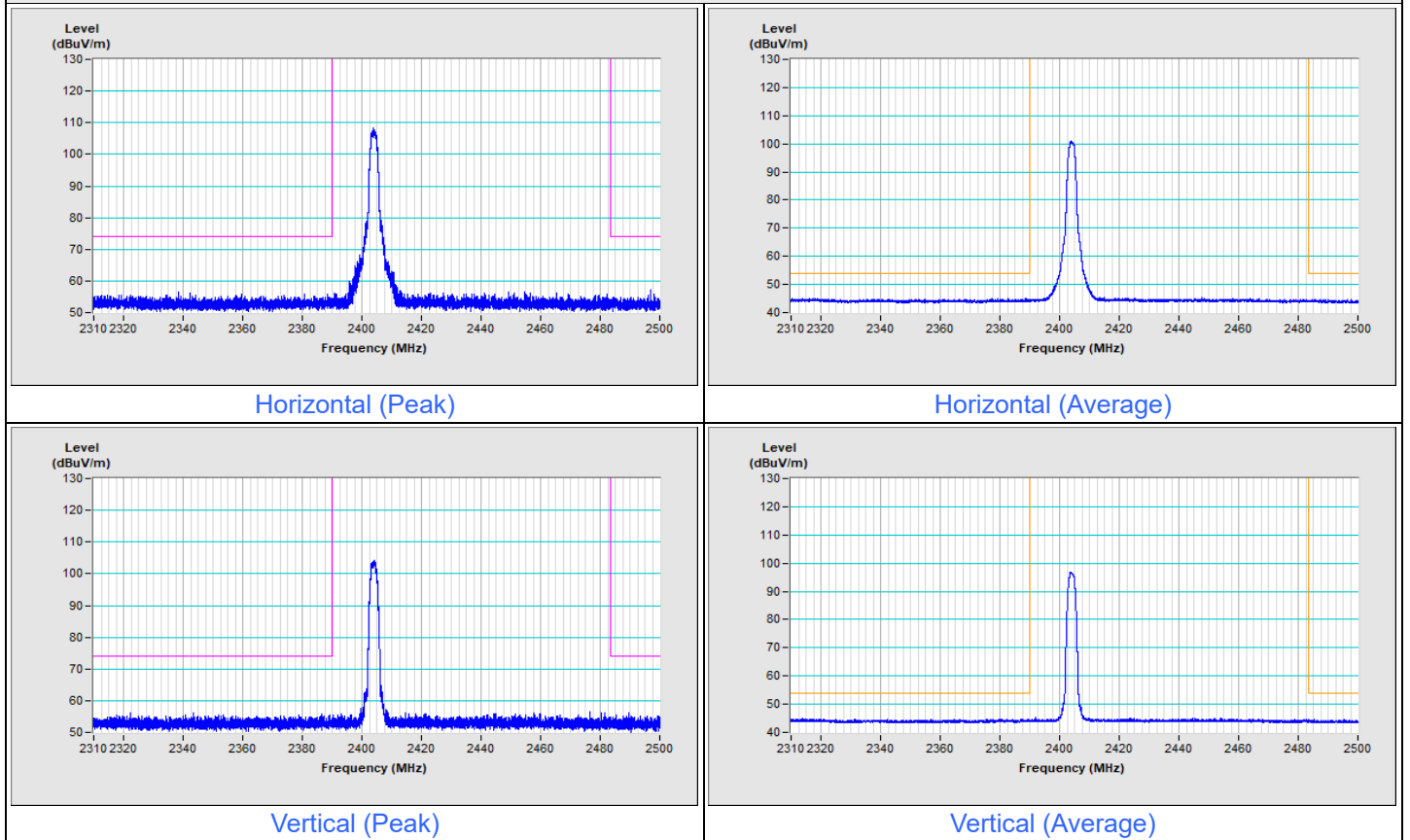
Vertical (Peak)



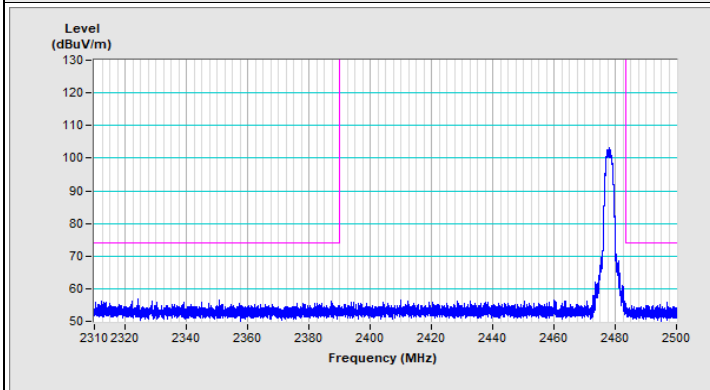
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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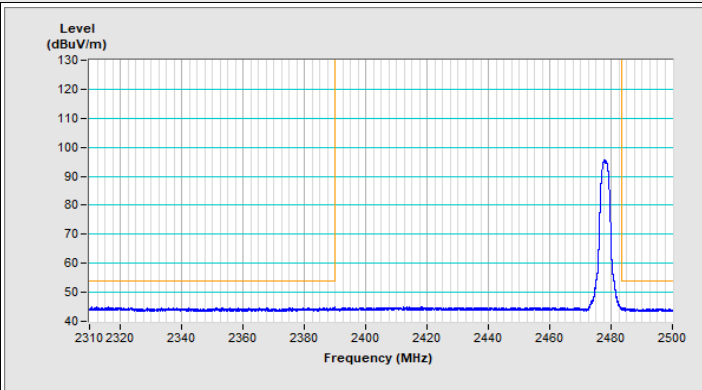
BT-LE HDT7.5 Channel 1



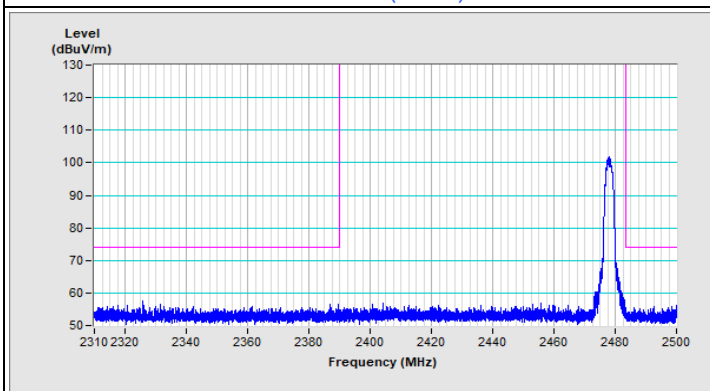
BT-LE HDT7.5 Channel 38



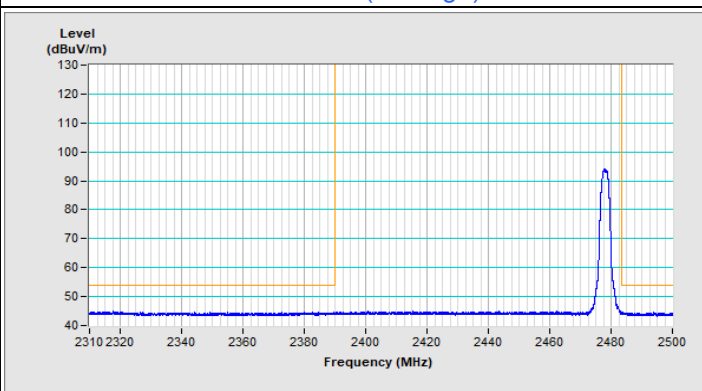
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

Mode C

1Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.5 PK	74.0	-17.5	1.32 H	136	58.5	-2.0
2	2390.00	45.0 AV	54.0	-9.0	1.32 H	136	47.0	-2.0
3	*2402.00	96.4 PK			1.32 H	136	98.5	-2.1
4	*2402.00	95.3 AV			1.32 H	136	97.4	-2.1
5	4804.00	43.2 PK	74.0	-30.8	2.70 H	63	41.2	2.0
6	4804.00	36.6 AV	54.0	-17.4	2.70 H	63	34.6	2.0
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	2390.00	56.3 PK	74.0	-17.7	1.94 V	26	58.3	-2.0
2	2390.00	44.9 AV	54.0	-9.1	1.94 V	26	46.9	-2.0
3	*2402.00	106.4 PK			1.94 V	26	108.5	-2.1
4	*2402.00	105.4 AV			1.94 V	26	107.5	-2.1
5	4804.00	46.1 PK	74.0	-27.9	2.64 V	13	44.1	2.0
6	4804.00	39.3 AV	54.0	-14.7	2.64 V	13	37.3	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	96.5 PK			1.30 H	151	98.6	-2.1
2	*2440.00	95.6 AV			1.30 H	151	97.7	-2.1
3	4880.00	43.1 PK	74.0	-30.9	2.71 H	72	40.7	2.4
4	4880.00	36.4 AV	54.0	-17.6	2.71 H	72	34.0	2.4
5	7320.00	46.5 PK	74.0	-27.5	1.13 H	24	39.1	7.4
6	7320.00	37.8 AV	54.0	-16.2	1.13 H	24	30.4	7.4
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	*2440.00	106.5 PK			2.00 V	25	108.6	-2.1
2	*2440.00	105.7 AV			2.00 V	25	107.8	-2.1
3	4880.00	45.9 PK	74.0	-28.1	2.65 V	21	43.5	2.4
4	4880.00	38.9 AV	54.0	-15.1	2.65 V	21	36.5	2.4
5	7320.00	48.4 PK	74.0	-25.6	3.53 V	98	41.0	7.4
6	7320.00	39.5 AV	54.0	-14.5	3.53 V	98	32.1	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	95.9 PK			1.15 H	152	98.3	-2.4
2	*2480.00	94.8 AV			1.15 H	152	97.2	-2.4
3	2483.50	56.4 PK	74.0	-17.6	1.15 H	152	58.8	-2.4
4	2483.50	45.2 AV	54.0	-8.8	1.15 H	152	47.6	-2.4
5	4960.00	43.0 PK	74.0	-31.0	2.75 H	48	40.7	2.3
6	4960.00	36.7 AV	54.0	-17.3	2.75 H	48	34.4	2.3
7	7440.00	46.7 PK	74.0	-27.3	1.08 H	6	38.6	8.1
8	7440.00	38.2 AV	54.0	-15.8	1.08 H	6	30.1	8.1
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	105.8 PK			1.76 V	28	108.2	-2.4
2	*2480.00	104.9 AV			1.76 V	28	107.3	-2.4
3	2483.50	56.3 PK	74.0	-17.7	1.76 V	28	58.7	-2.4
4	2483.50	44.7 AV	54.0	-9.3	1.76 V	28	47.1	-2.4
5	4960.00	46.1 PK	74.0	-27.9	2.66 V	20	43.8	2.3
6	4960.00	39.2 AV	54.0	-14.8	2.66 V	20	36.9	2.3
7	7440.00	48.8 PK	74.0	-25.2	3.51 V	99	40.7	8.1
8	7440.00	39.9 AV	54.0	-14.1	3.51 V	99	31.8	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.2 PK	74.0	-17.8	1.38 H	138	58.2	-2.0
2	2390.00	45.2 AV	54.0	-8.8	1.38 H	138	47.2	-2.0
3	*2404.00	96.8 PK			1.38 H	138	98.9	-2.1
4	*2404.00	93.8 AV			1.38 H	138	95.9	-2.1
5	4808.00	43.1 PK	74.0	-30.9	2.74 H	71	41.0	2.1
6	4808.00	36.6 AV	54.0	-17.4	2.74 H	71	34.5	2.1
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	2390.00	56.1 PK	74.0	-17.9	2.60 V	29	58.1	-2.0
2	2390.00	45.4 AV	54.0	-8.6	2.60 V	29	47.4	-2.0
3	*2404.00	106.1 PK			2.60 V	29	108.2	-2.1
4	*2404.00	103.1 AV			2.60 V	29	105.2	-2.1
5	4808.00	46.1 PK	74.0	-27.9	2.58 V	25	44.0	2.1
6	4808.00	39.1 AV	54.0	-14.9	2.58 V	25	37.0	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	97.4 PK			1.41 H	123	99.5	-2.1
2	*2440.00	94.1 AV			1.41 H	123	96.2	-2.1
3	4880.00	43.1 PK	74.0	-30.9	2.69 H	46	40.7	2.4
4	4880.00	36.6 AV	54.0	-17.4	2.69 H	46	34.2	2.4
5	7320.00	46.7 PK	74.0	-27.3	1.15 H	19	39.3	7.4
6	7320.00	38.2 AV	54.0	-15.8	1.15 H	19	30.8	7.4
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	*2440.00	106.6 PK			1.92 V	30	108.7	-2.1
2	*2440.00	103.3 AV			1.92 V	30	105.4	-2.1
3	4880.00	46.1 PK	74.0	-27.9	2.63 V	3	43.7	2.4
4	4880.00	39.6 AV	54.0	-14.4	2.63 V	3	37.2	2.4
5	7320.00	48.8 PK	74.0	-25.2	3.45 V	108	41.4	7.4
6	7320.00	39.8 AV	54.0	-14.2	3.45 V	108	32.4	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2478.00	97.2 PK			1.20 H	134	99.6	-2.4
2	*2478.00	94.0 AV			1.20 H	134	96.4	-2.4
3	2483.50	56.3 PK	74.0	-17.7	1.20 H	134	58.7	-2.4
4	2483.50	45.5 AV	54.0	-8.5	1.20 H	134	47.9	-2.4
5	4956.00	43.2 PK	74.0	-30.8	2.75 H	64	40.9	2.3
6	4956.00	36.8 AV	54.0	-17.2	2.75 H	64	34.5	2.3
7	7434.00	46.2 PK	74.0	-27.8	1.15 H	16	38.2	8.0
8	7434.00	37.6 AV	54.0	-16.4	1.15 H	16	29.6	8.0
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	*2478.00	106.9 PK			1.90 V	14	109.3	-2.4
2	*2478.00	103.8 AV			1.90 V	14	106.2	-2.4
3	2483.50	56.2 PK	74.0	-17.8	1.90 V	14	58.6	-2.4
4	2483.50	45.3 AV	54.0	-8.7	1.90 V	14	47.7	-2.4
5	4956.00	45.9 PK	74.0	-28.1	2.61 V	19	43.6	2.3
6	4956.00	39.3 AV	54.0	-14.7	2.61 V	19	37.0	2.3
7	7434.00	49.2 PK	74.0	-24.8	3.52 V	89	41.2	8.0
8	7434.00	40.1 AV	54.0	-13.9	3.52 V	89	32.1	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.2 PK	74.0	-17.8	1.52 H	192	58.2	-2.0
2	2390.00	45.1 AV	54.0	-8.9	1.52 H	192	47.1	-2.0
3	*2404.00	98.8 PK			1.52 H	192	100.9	-2.1
4	*2404.00	92.2 AV			1.52 H	192	94.3	-2.1
5	4808.00	42.6 PK	74.0	-31.4	2.77 H	69	40.5	2.1
6	4808.00	36.5 AV	54.0	-17.5	2.77 H	69	34.4	2.1
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	2390.00	56.5 PK	74.0	-17.5	1.46 V	221	58.5	-2.0
2	2390.00	46.1 AV	54.0	-7.9	1.46 V	221	48.1	-2.0
3	*2404.00	112.9 PK			1.46 V	221	115.0	-2.1
4	*2404.00	105.6 AV			1.46 V	221	107.7	-2.1
5	4808.00	45.6 PK	74.0	-28.4	2.59 V	6	43.5	2.1
6	4808.00	39.0 AV	54.0	-15.0	2.59 V	6	36.9	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	99.1 PK			1.01 H	170	101.2	-2.1
2	*2440.00	92.2 AV			1.01 H	170	94.3	-2.1
3	4880.00	42.9 PK	74.0	-31.1	2.76 H	67	40.5	2.4
4	4880.00	36.7 AV	54.0	-17.3	2.76 H	67	34.3	2.4
5	7320.00	46.4 PK	74.0	-27.6	1.15 H	29	39.0	7.4
6	7320.00	37.6 AV	54.0	-16.4	1.15 H	29	30.2	7.4
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	*2440.00	112.2 PK			1.55 V	204	114.3	-2.1
2	*2440.00	105.3 AV			1.55 V	204	107.4	-2.1
3	4880.00	46.0 PK	74.0	-28.0	2.65 V	5	43.6	2.4
4	4880.00	39.5 AV	54.0	-14.5	2.65 V	5	37.1	2.4
5	7320.00	48.9 PK	74.0	-25.1	3.56 V	92	41.5	7.4
6	7320.00	40.1 AV	54.0	-13.9	3.56 V	92	32.7	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	98.7 PK			1.00 H	185	101.1	-2.4
2	*2478.00	92.0 AV			1.00 H	185	94.4	-2.4
3	2483.50	62.5 PK	74.0	-11.5	1.00 H	185	64.9	-2.4
4	2483.50	48.5 AV	54.0	-5.5	1.00 H	185	50.9	-2.4
5	4956.00	42.9 PK	74.0	-31.1	2.78 H	67	40.6	2.3
6	4956.00	36.4 AV	54.0	-17.6	2.78 H	67	34.1	2.3
7	7434.00	45.8 PK	74.0	-28.2	1.20 H	20	37.8	8.0
8	7434.00	37.2 AV	54.0	-16.8	1.20 H	20	29.2	8.0
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	*2478.00	112.6 PK			1.50 V	203	115.0	-2.4
2	*2478.00	105.6 AV			1.50 V	203	108.0	-2.4
3	2483.50	65.5 PK	74.0	-8.5	1.50 V	203	67.9	-2.4
4	2483.50	49.4 AV	54.0	-4.6	1.50 V	203	51.8	-2.4
5	4956.00	45.4 PK	74.0	-28.6	2.62 V	26	43.1	2.3
6	4956.00	38.8 AV	54.0	-15.2	2.62 V	26	36.5	2.3
7	7434.00	48.9 PK	74.0	-25.1	3.57 V	90	40.9	8.0
8	7434.00	40.0 AV	54.0	-14.0	3.57 V	90	32.0	8.0

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, the limit was restricted at the RF Output Power.

2Tx

RF Mode	BT-LE 1M	Channel	CH 0 : 2402 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.4 PK	74.0	-17.6	1.02 H	131	58.4	-2.0
2	2390.00	45.3 AV	54.0	-8.7	1.02 H	131	47.3	-2.0
3	*2402.00	101.1 PK			1.02 H	131	103.2	-2.1
4	*2402.00	96.7 AV			1.02 H	131	98.8	-2.1
5	4804.00	42.8 PK	74.0	-31.2	2.77 H	64	40.8	2.0
6	4804.00	36.5 AV	54.0	-17.5	2.77 H	64	34.5	2.0
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	2390.00	57.6 PK	74.0	-16.4	1.93 V	17	59.6	-2.0
2	2390.00	45.2 AV	54.0	-8.8	1.93 V	17	47.2	-2.0
3	*2402.00	113.1 PK			1.93 V	17	115.2	-2.1
4	*2402.00	107.2 AV			1.93 V	17	109.3	-2.1
5	4804.00	45.5 PK	74.0	-28.5	2.62 V	23	43.5	2.0
6	4804.00	38.6 AV	54.0	-15.4	2.62 V	23	36.6	2.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	100.8 PK			1.19 H	137	102.9	-2.1
2	*2440.00	97.0 AV			1.19 H	137	99.1	-2.1
3	4880.00	43.3 PK	74.0	-30.7	2.74 H	63	40.9	2.4
4	4880.00	37.0 AV	54.0	-17.0	2.74 H	63	34.6	2.4
5	7320.00	46.6 PK	74.0	-27.4	1.15 H	1	39.2	7.4
6	7320.00	38.3 AV	54.0	-15.7	1.15 H	1	30.9	7.4
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	*2440.00	112.4 PK			1.88 V	33	114.5	-2.1
2	*2440.00	107.5 AV			1.88 V	33	109.6	-2.1
3	4880.00	45.9 PK	74.0	-28.1	2.60 V	15	43.5	2.4
4	4880.00	39.1 AV	54.0	-14.9	2.60 V	15	36.7	2.4
5	7320.00	48.8 PK	74.0	-25.2	3.48 V	94	41.4	7.4
6	7320.00	39.8 AV	54.0	-14.2	3.48 V	94	32.4	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 1M	Channel	CH 39 : 2480 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	101.6 PK			1.04 H	254	104.0	-2.4
2	*2480.00	96.8 AV			1.04 H	254	99.2	-2.4
3	2483.50	56.5 PK	74.0	-17.5	1.04 H	254	58.9	-2.4
4	2483.50	45.3 AV	54.0	-8.7	1.04 H	254	47.7	-2.4
5	4960.00	43.1 PK	74.0	-30.9	2.71 H	57	40.8	2.3
6	4960.00	36.7 AV	54.0	-17.3	2.71 H	57	34.4	2.3
7	7440.00	46.5 PK	74.0	-27.5	1.13 H	15	38.4	8.1
8	7440.00	37.9 AV	54.0	-16.1	1.13 H	15	29.8	8.1
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	112.1 PK			1.94 V	12	114.5	-2.4
2	*2480.00	107.6 AV			1.94 V	12	110.0	-2.4
3	2483.50	57.7 PK	74.0	-16.3	1.94 V	12	60.1	-2.4
4	2483.50	47.1 AV	54.0	-6.9	1.94 V	12	49.5	-2.4
5	4960.00	45.9 PK	74.0	-28.1	2.61 V	10	43.6	2.3
6	4960.00	39.0 AV	54.0	-15.0	2.61 V	10	36.7	2.3
7	7440.00	49.0 PK	74.0	-25.0	3.52 V	82	40.9	8.1
8	7440.00	40.1 AV	54.0	-13.9	3.52 V	82	32.0	8.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	2390.00	56.1 PK	74.0	-17.9	1.26 H	138	58.1	-2.0
2	2390.00	45.7 AV	54.0	-8.3	1.26 H	138	47.7	-2.0
3	*2404.00	100.5 PK			1.26 H	138	102.6	-2.1
4	*2404.00	94.7 AV			1.26 H	138	96.8	-2.1
5	4808.00	42.9 PK	74.0	-31.1	2.77 H	48	40.8	2.1
6	4808.00	36.6 AV	54.0	-17.4	2.77 H	48	34.5	2.1
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	2390.00	56.9 PK	74.0	-17.1	1.95 V	24	58.9	-2.0
2	2390.00	46.2 AV	54.0	-7.8	1.95 V	24	48.2	-2.0
3	*2404.00	110.9 PK			1.95 V	24	113.0	-2.1
4	*2404.00	105.3 AV			1.95 V	24	107.4	-2.1
5	4808.00	46.5 PK	74.0	-27.5	2.58 V	2	44.4	2.1
6	4808.00	39.3 AV	54.0	-14.7	2.58 V	2	37.2	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2440.00	102.7 PK			1.00 H	258	104.8	-2.1
2	*2440.00	96.0 AV			1.00 H	258	98.1	-2.1
3	4880.00	43.0 PK	74.0	-31.0	2.73 H	53	40.6	2.4
4	4880.00	36.3 AV	54.0	-17.7	2.73 H	53	33.9	2.4
5	7320.00	46.6 PK	74.0	-27.4	1.18 H	13	39.2	7.4
6	7320.00	37.7 AV	54.0	-16.3	1.18 H	13	30.3	7.4
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	*2440.00	111.2 PK			1.93 V	18	113.3	-2.1
2	*2440.00	105.5 AV			1.93 V	18	107.6	-2.1
3	4880.00	45.2 PK	74.0	-28.8	2.59 V	18	42.8	2.4
4	4880.00	38.5 AV	54.0	-15.5	2.59 V	18	36.1	2.4
5	7320.00	49.0 PK	74.0	-25.0	3.57 V	88	41.6	7.4
6	7320.00	40.2 AV	54.0	-13.8	3.57 V	88	32.8	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE 2M	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	22 °C, 73% RH
Tested By	Vanness Huang		

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	*2478.00	100.7 PK			1.20 H	134	103.1	-2.4
2	*2478.00	94.8 AV			1.20 H	134	97.2	-2.4
3	2483.50	56.2 PK	74.0	-17.8	1.20 H	134	58.6	-2.4
4	2483.50	45.3 AV	54.0	-8.7	1.20 H	134	47.7	-2.4
5	4956.00	42.4 PK	74.0	-31.6	2.75 H	58	40.1	2.3
6	4956.00	36.2 AV	54.0	-17.8	2.75 H	58	33.9	2.3
7	7434.00	46.7 PK	74.0	-27.3	1.10 H	20	38.7	8.0
8	7434.00	38.3 AV	54.0	-15.7	1.10 H	20	30.3	8.0
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	*2478.00	112.2 PK			1.87 V	12	114.6	-2.4
2	*2478.00	105.8 AV			1.87 V	12	108.2	-2.4
3	2483.50	57.2 PK	74.0	-16.8	1.87 V	12	59.6	-2.4
4	2483.50	45.6 AV	54.0	-8.4	1.87 V	12	48.0	-2.4
5	4956.00	46.2 PK	74.0	-27.8	2.56 V	24	43.9	2.3
6	4956.00	39.2 AV	54.0	-14.8	2.56 V	24	36.9	2.3
7	7434.00	48.8 PK	74.0	-25.2	3.57 V	79	40.8	8.0
8	7434.00	40.1 AV	54.0	-13.9	3.57 V	79	32.1	8.0

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 1 : 2404 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	2390.00	56.2 PK	74.0	-17.8	1.82 H	160	58.2	-2.0
2	2390.00	45.5 AV	54.0	-8.5	1.82 H	160	47.5	-2.0
3	*2404.00	102.5 PK			1.82 H	160	104.6	-2.1
4	*2404.00	95.6 AV			1.82 H	160	97.7	-2.1
5	4808.00	42.1 PK	74.0	-31.9	2.69 H	72	40.0	2.1
6	4808.00	36.0 AV	54.0	-18.0	2.69 H	72	33.9	2.1
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	2390.00	56.8 PK	74.0	-17.2	1.46 V	221	58.8	-2.0
2	2390.00	46.3 AV	54.0	-7.7	1.46 V	221	48.3	-2.0
3	*2404.00	115.0 PK			1.46 V	221	117.1	-2.1
4	*2404.00	107.8 AV			1.46 V	221	109.9	-2.1
5	4808.00	46.6 PK	74.0	-27.4	2.59 V	8	44.5	2.1
6	4808.00	39.7 AV	54.0	-14.3	2.59 V	8	37.6	2.1

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, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 19 : 2440 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2440.00	102.9 PK			1.54 H	195	105.0	-2.1
2	*2440.00	95.6 AV			1.54 H	195	97.7	-2.1
3	4880.00	42.7 PK	74.0	-31.3	2.76 H	49	40.3	2.4
4	4880.00	36.6 AV	54.0	-17.4	2.76 H	49	34.2	2.4
5	7320.00	46.5 PK	74.0	-27.5	1.13 H	5	39.1	7.4
6	7320.00	38.3 AV	54.0	-15.7	1.13 H	5	30.9	7.4
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	*2440.00	114.7 PK			1.43 V	212	116.8	-2.1
2	*2440.00	107.6 AV			1.43 V	212	109.7	-2.1
3	4880.00	46.1 PK	74.0	-27.9	2.61 V	38	43.7	2.4
4	4880.00	39.0 AV	54.0	-15.0	2.61 V	38	36.6	2.4
5	7320.00	49.0 PK	74.0	-25.0	3.55 V	94	41.6	7.4
6	7320.00	40.2 AV	54.0	-13.8	3.55 V	94	32.8	7.4

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.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

RF Mode	BT-LE HDT7.5	Channel	CH 38 : 2478 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
Input Power (System)	120 Vac, 60 Hz	Environmental Conditions	23 °C, 69% RH
Tested By	Stars Liu		

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	*2478.00	102.2 PK			1.00 H	189	104.6	-2.4
2	*2478.00	95.1 AV			1.00 H	189	97.5	-2.4
3	2483.50	61.1 PK	74.0	-12.9	1.00 H	189	63.5	-2.4
4	2483.50	47.6 AV	54.0	-6.4	1.00 H	189	50.0	-2.4
5	4956.00	42.6 PK	74.0	-31.4	2.71 H	61	40.3	2.3
6	4956.00	36.4 AV	54.0	-17.6	2.71 H	61	34.1	2.3
7	7434.00	46.6 PK	74.0	-27.4	1.06 H	6	38.6	8.0
8	7434.00	38.0 AV	54.0	-16.0	1.06 H	6	30.0	8.0
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	*2478.00	114.1 PK			1.46 V	205	116.5	-2.4
2	*2478.00	107.5 AV			1.46 V	205	109.9	-2.4
3	2483.50	63.8 PK	74.0	-10.2	1.46 V	205	66.2	-2.4
4	2483.50	49.0 AV	54.0	-5.0	1.46 V	205	51.4	-2.4
5	4956.00	46.2 PK	74.0	-27.8	2.56 V	18	43.9	2.3
6	4956.00	39.4 AV	54.0	-14.6	2.56 V	18	37.1	2.3
7	7434.00	48.7 PK	74.0	-25.3	3.63 V	86	40.7	8.0
8	7434.00	40.0 AV	54.0	-14.0	3.63 V	86	32.0	8.0

Remarks:

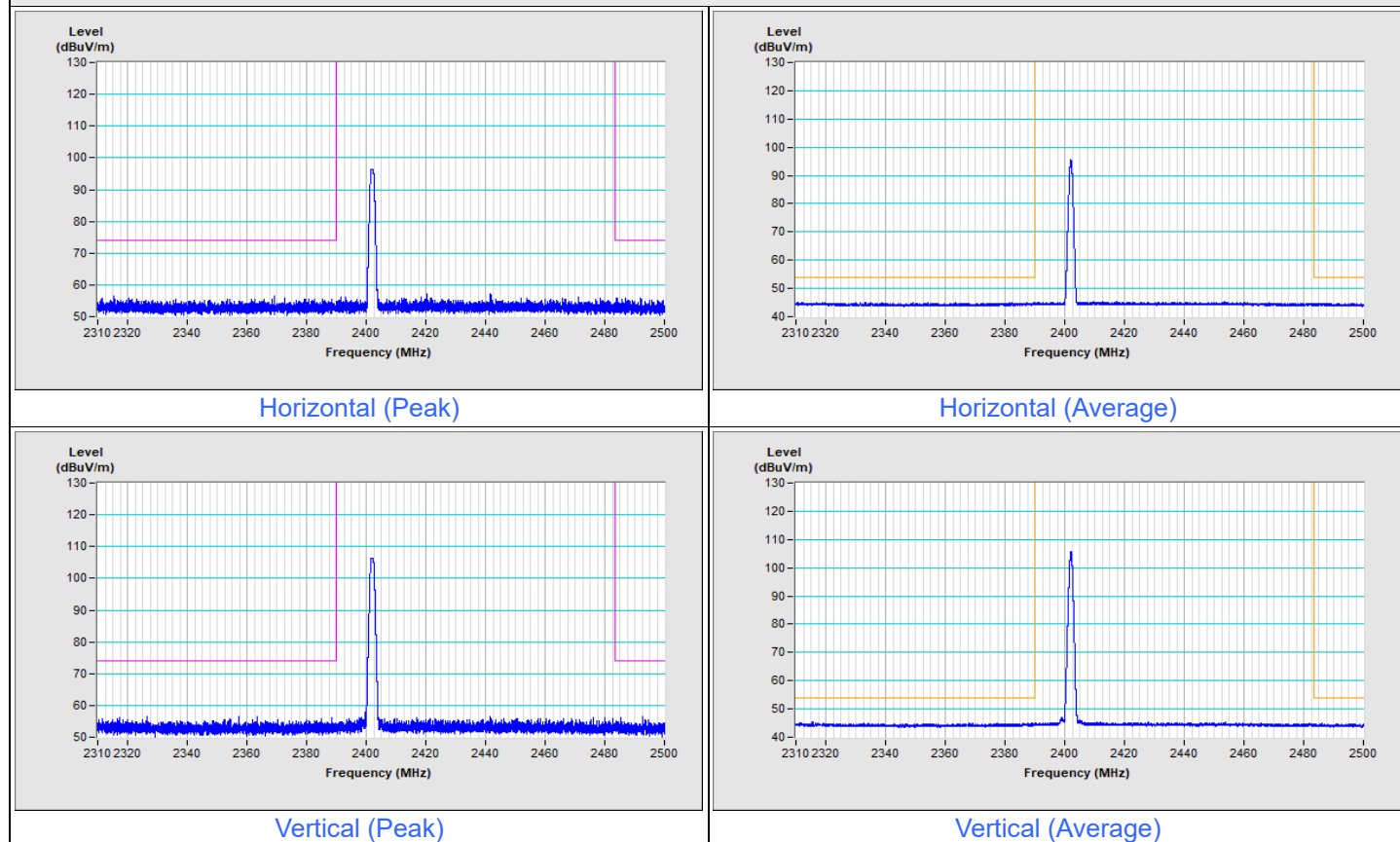
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency, the limit was restricted at the RF Output Power.

Plot of Band Edge

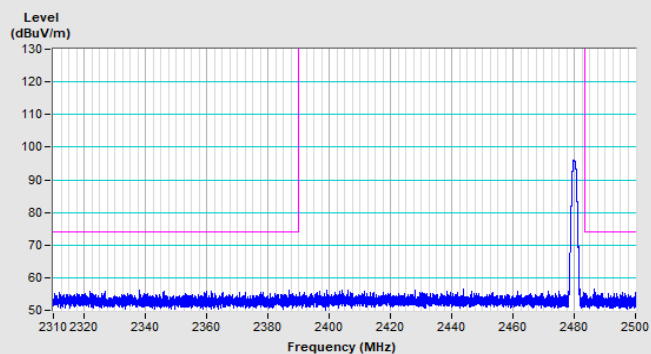
1Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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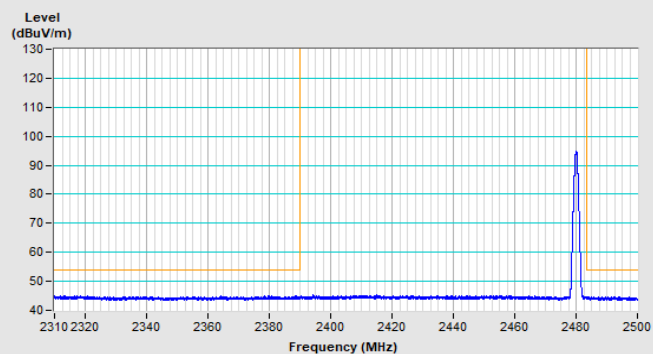
BT-LE 1M Channel 0



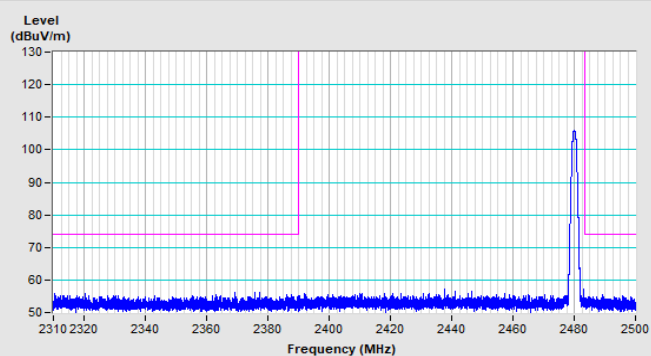
BT-LE 1M Channel 39



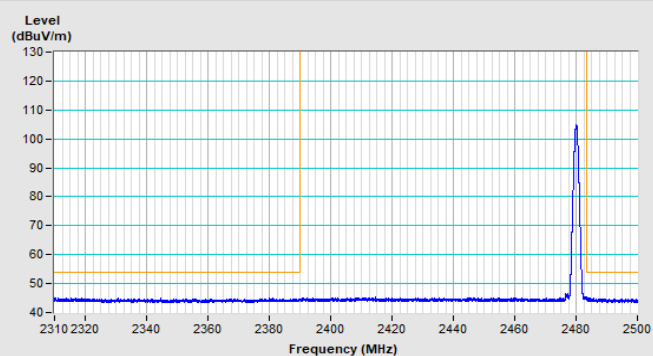
Horizontal (Peak)



Horizontal (Average)



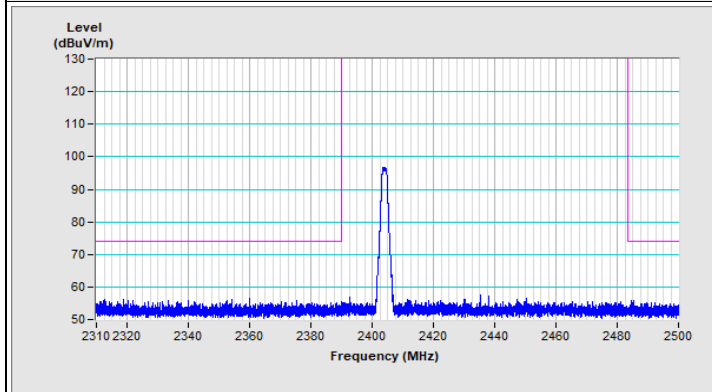
Vertical (Peak)



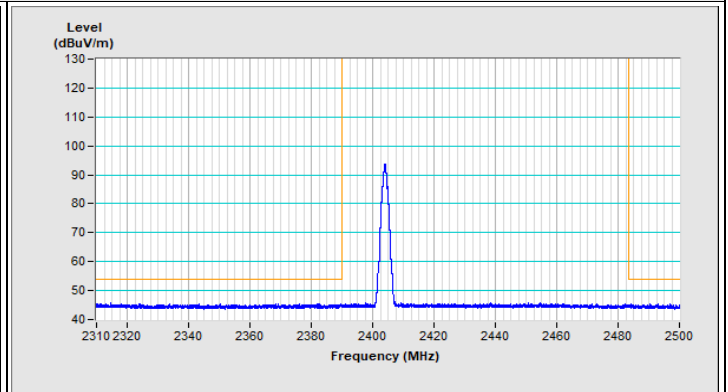
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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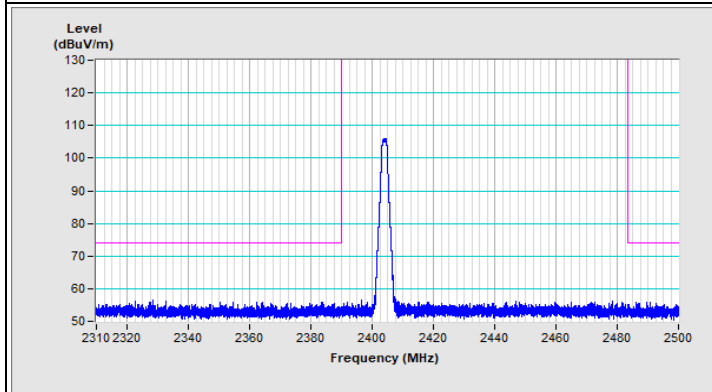
BT-LE 2M Channel 1



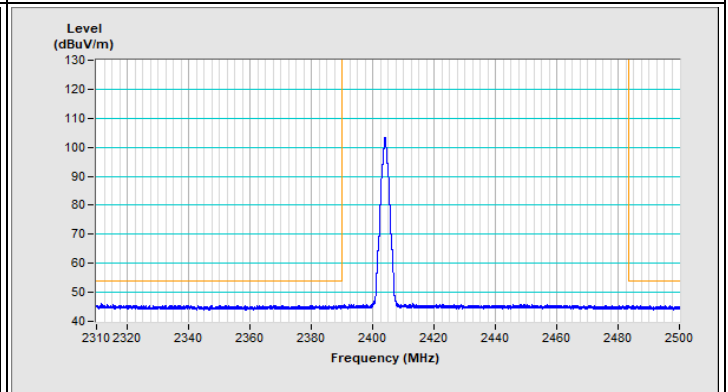
Horizontal (Peak)



Horizontal (Average)

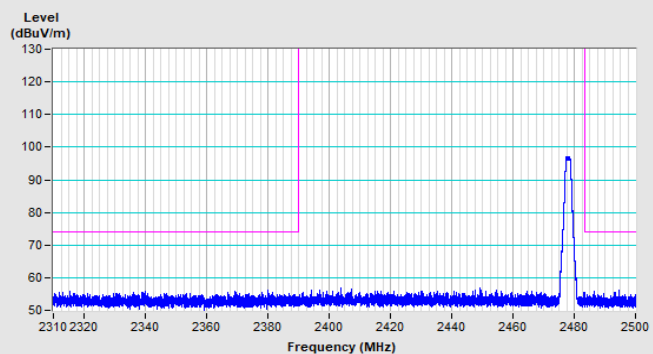


Vertical (Peak)

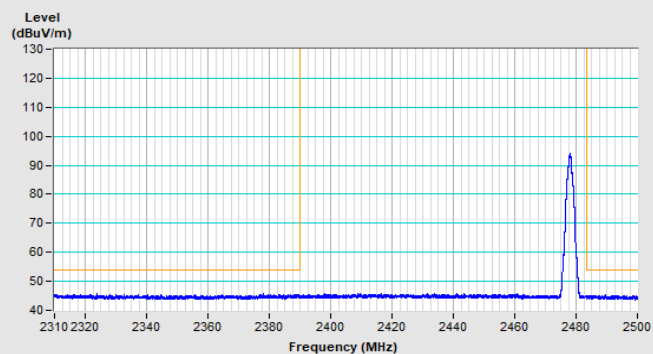


Vertical (Average)

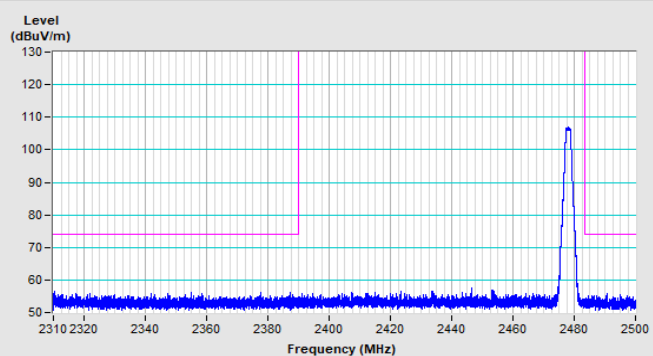
BT-LE 2M Channel 38



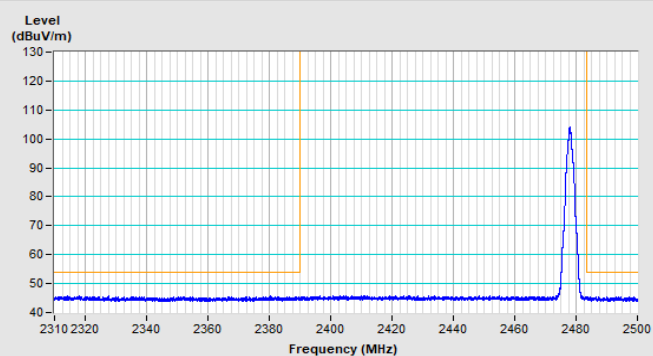
Horizontal (Peak)



Horizontal (Average)



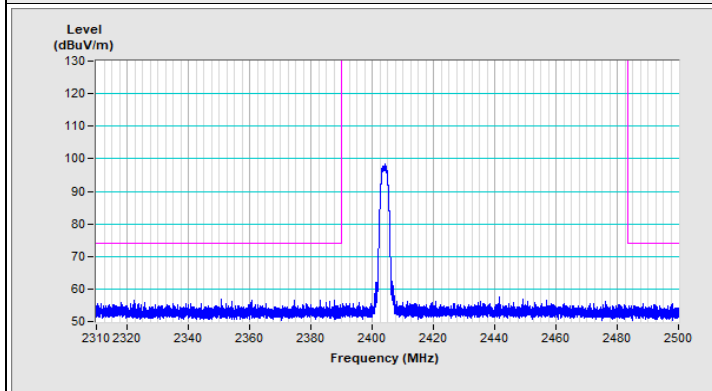
Vertical (Peak)



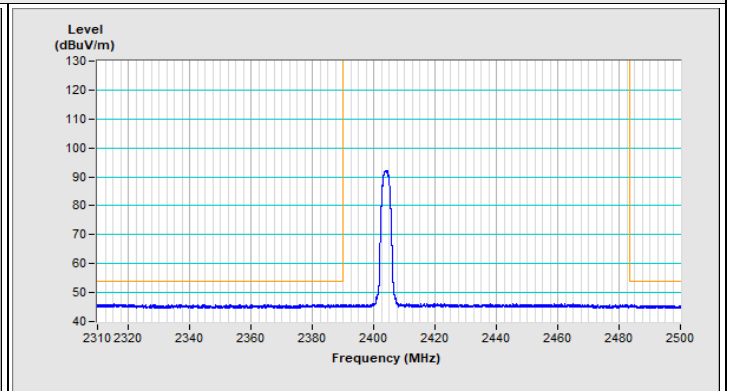
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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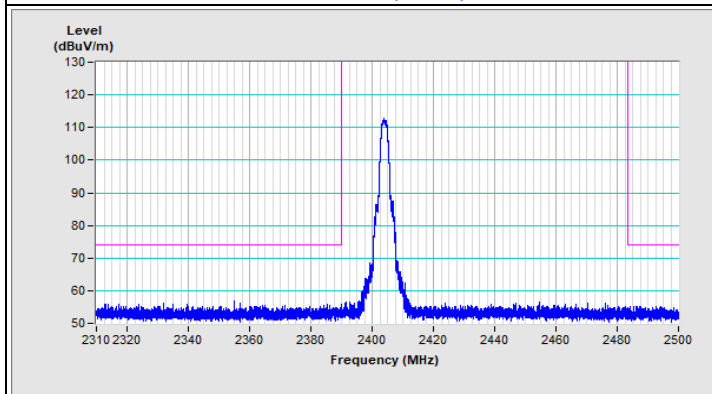
BT-LE HDT7.5 Channel 1



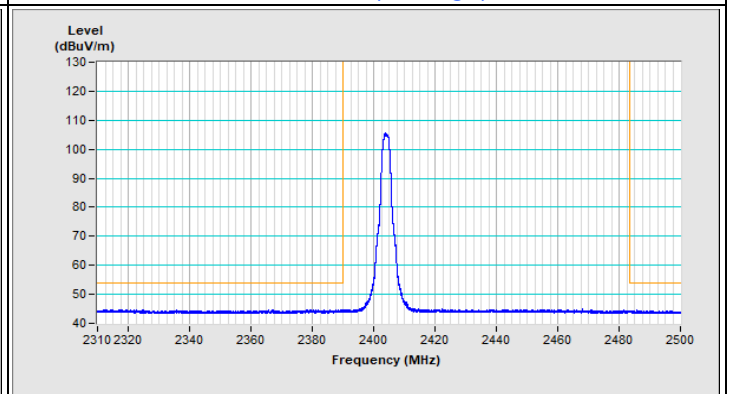
Horizontal (Peak)



Horizontal (Average)

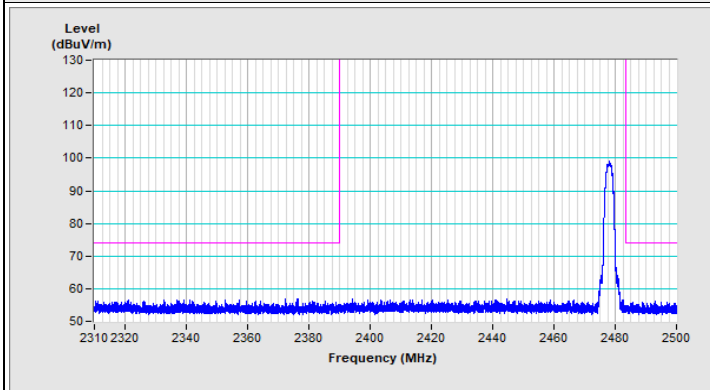


Vertical (Peak)

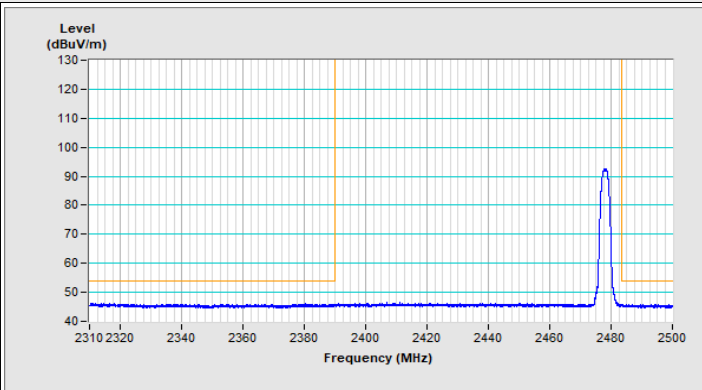


Vertical (Average)

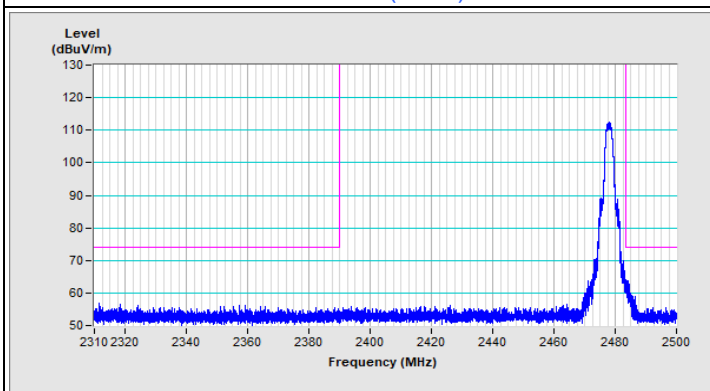
BT-LE HDT7.5 Channel 38



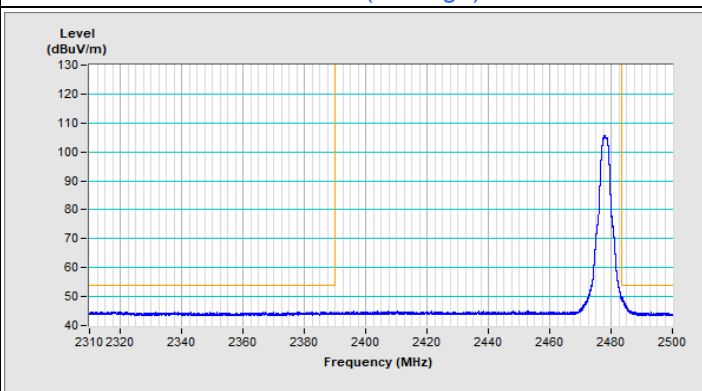
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

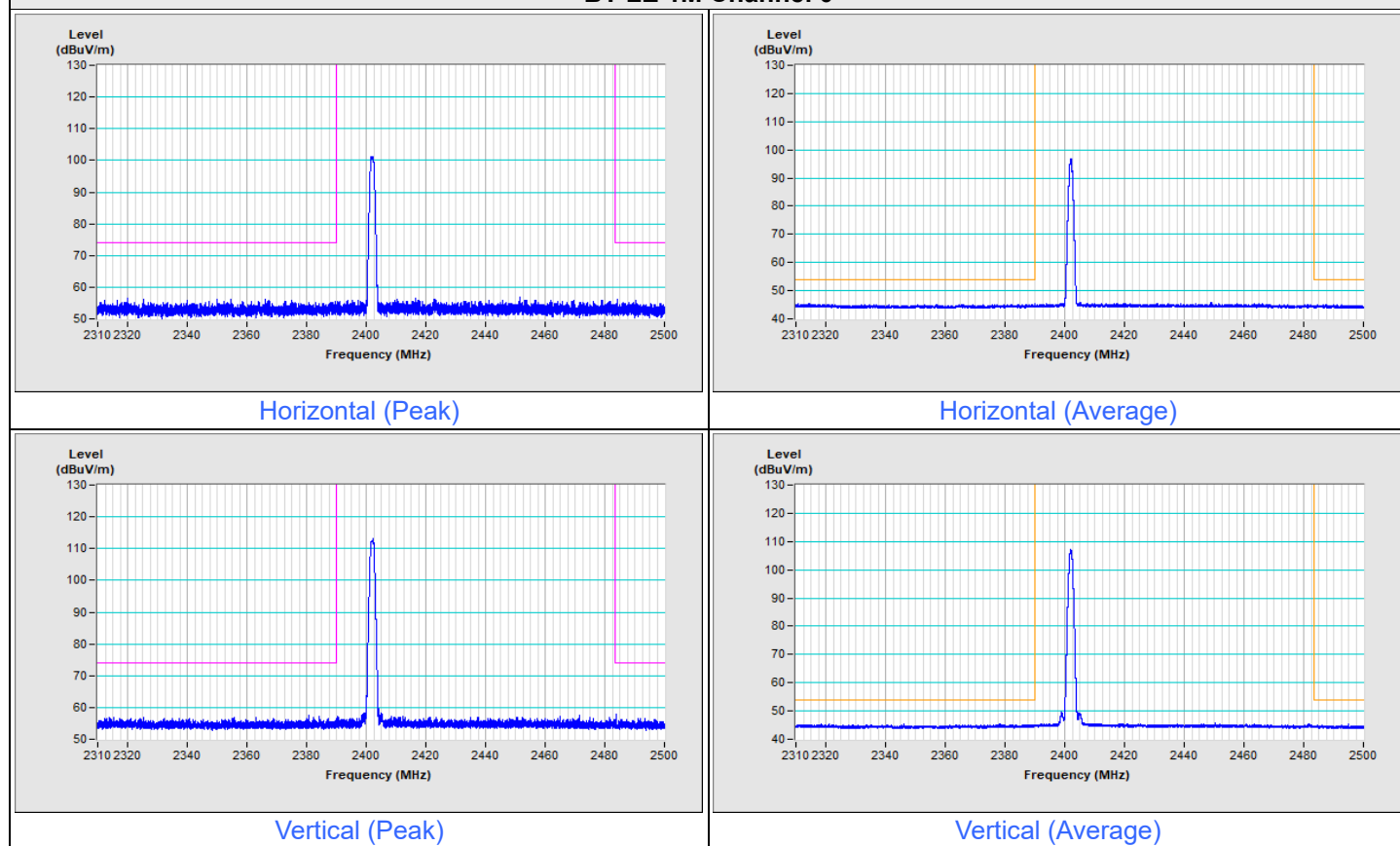


Vertical (Average)

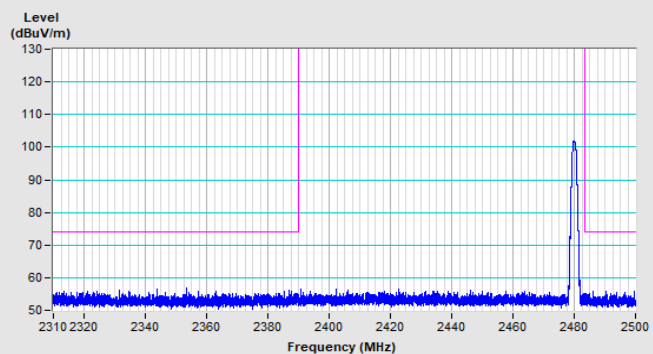
2Tx

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 kHz, DET=Peak
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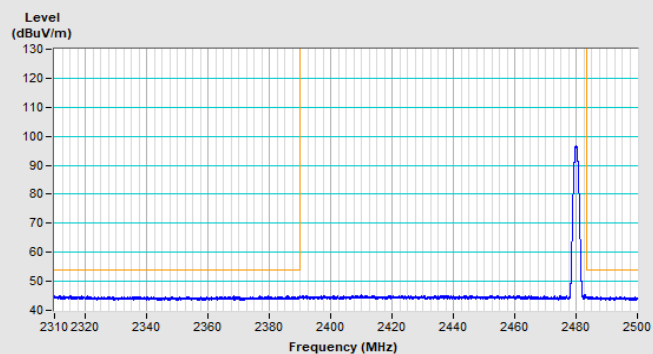
BT-LE 1M Channel 0



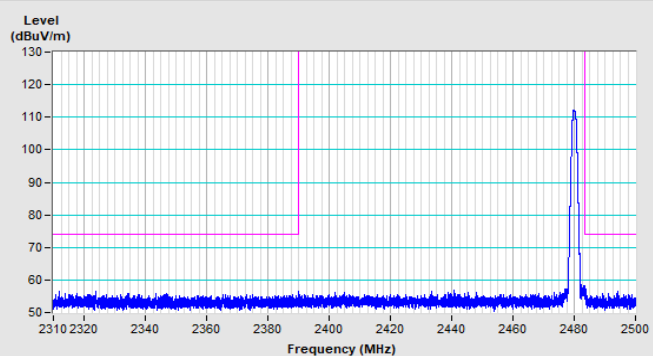
BT-LE 1M Channel 39



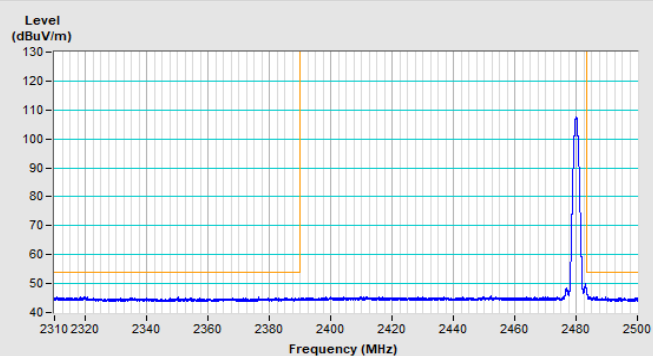
Horizontal (Peak)



Horizontal (Average)



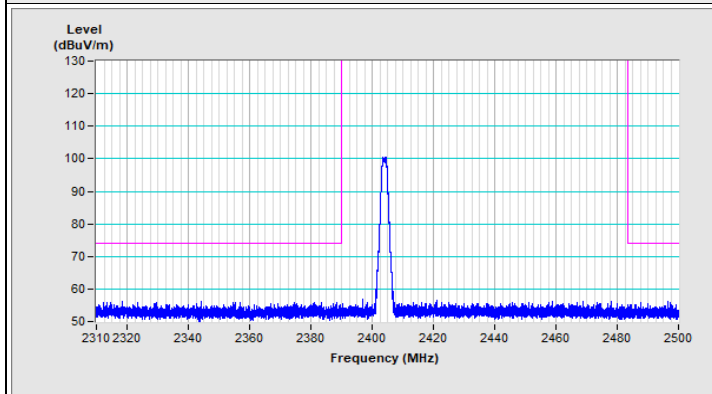
Vertical (Peak)



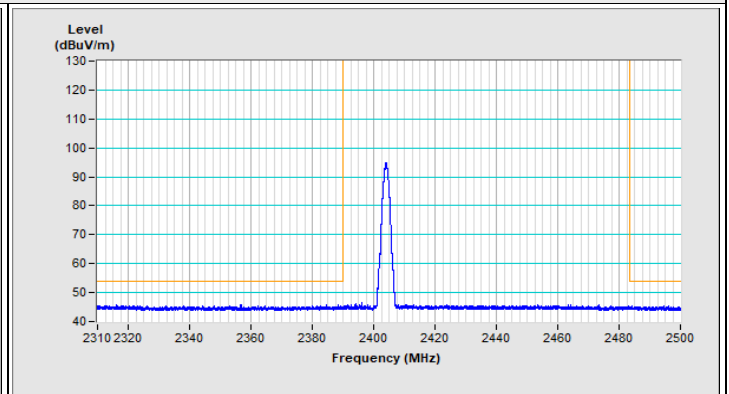
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=5.1 kHz, DET=Peak
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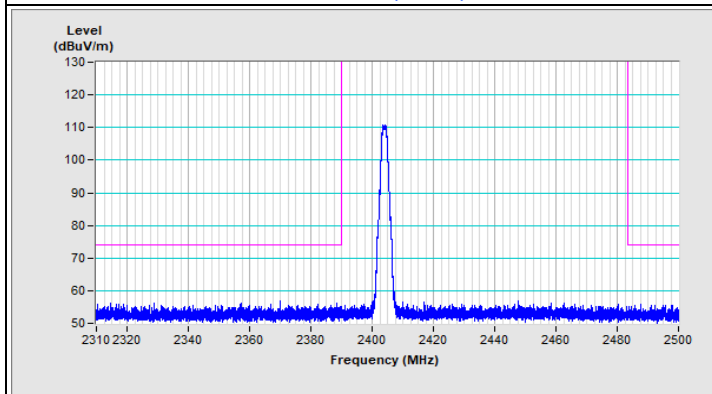
BT-LE 2M Channel 1



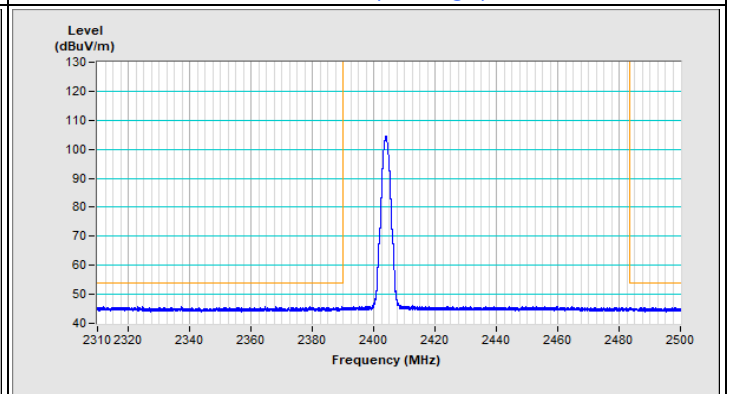
Horizontal (Peak)



Horizontal (Average)

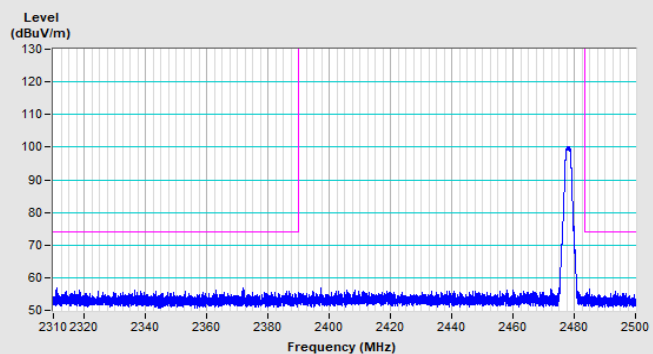


Vertical (Peak)

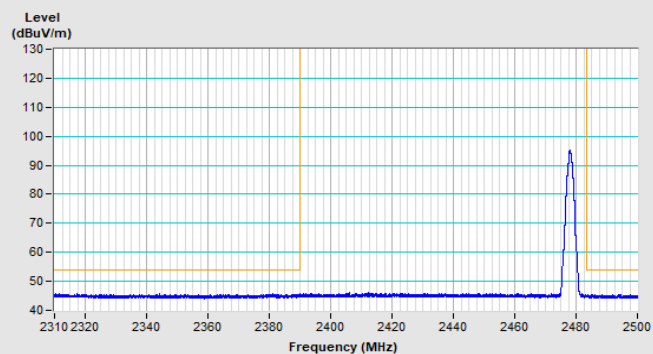


Vertical (Average)

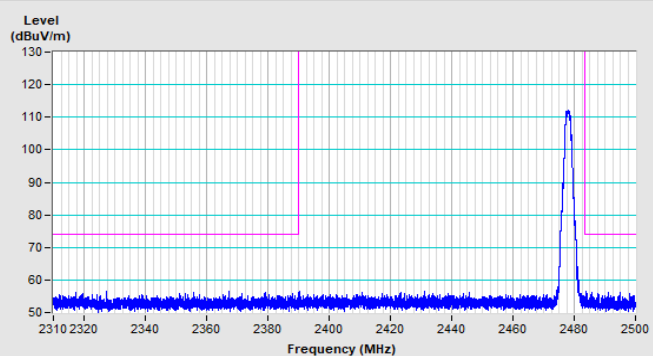
BT-LE 2M Channel 38



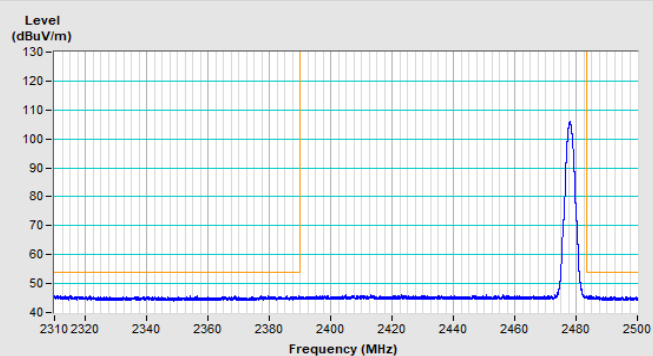
Horizontal (Peak)



Horizontal (Average)



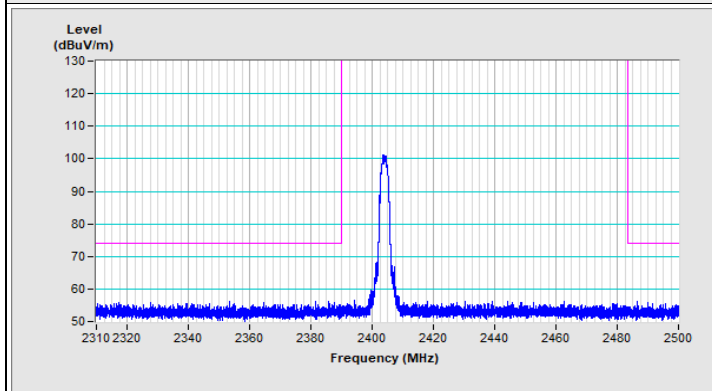
Vertical (Peak)



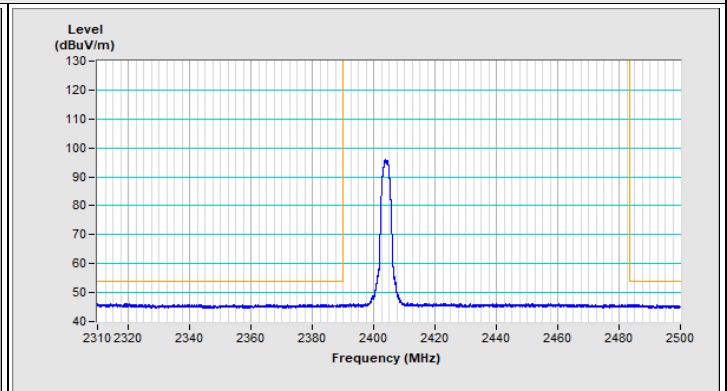
Vertical (Average)

Frequency Range	2.31 GHz ~ 2.5 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=2 kHz, DET=Peak
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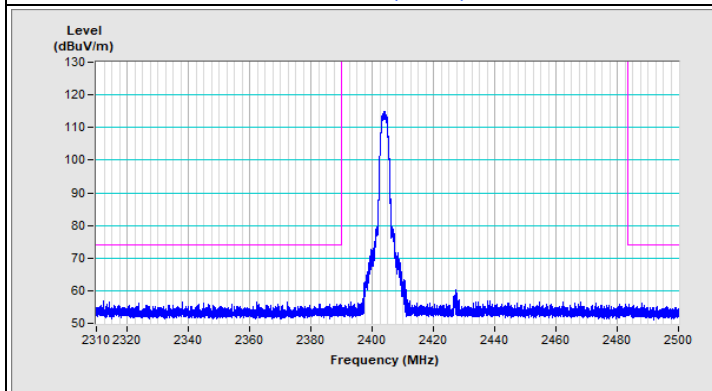
BT-LE HDT7.5 Channel 1



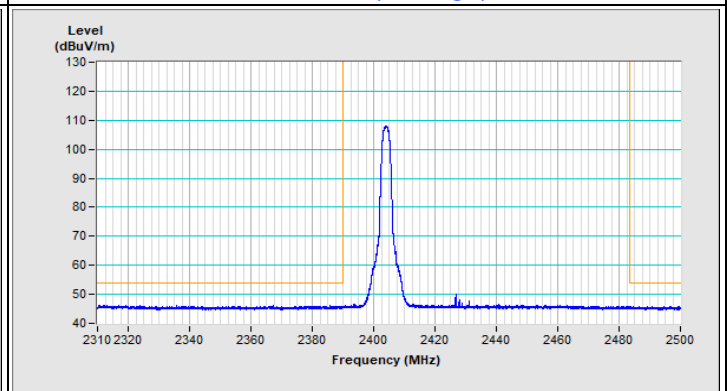
Horizontal (Peak)



Horizontal (Average)

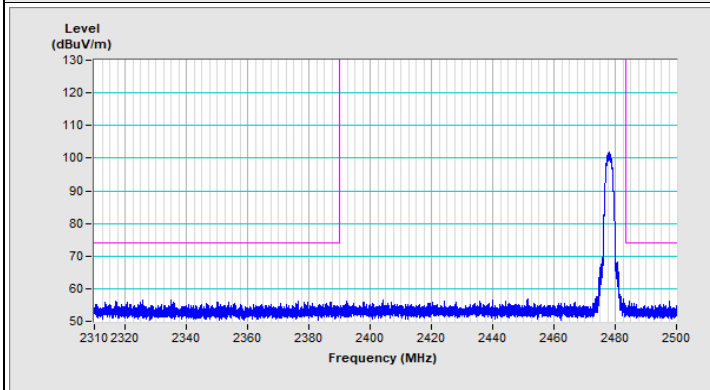


Vertical (Peak)

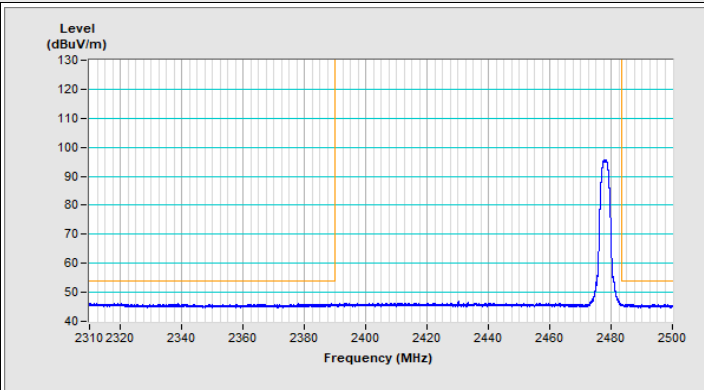


Vertical (Average)

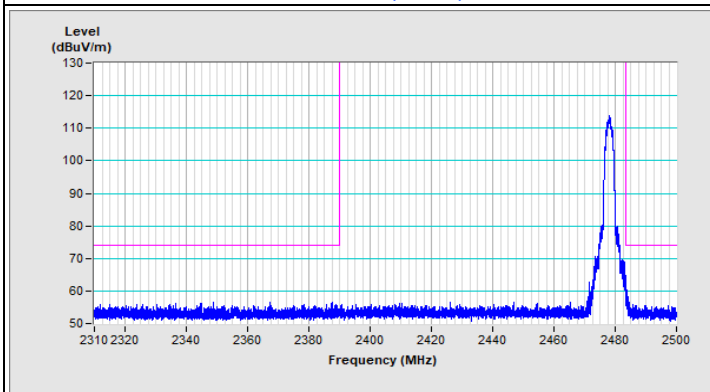
BT-LE HDT7.5 Channel 38



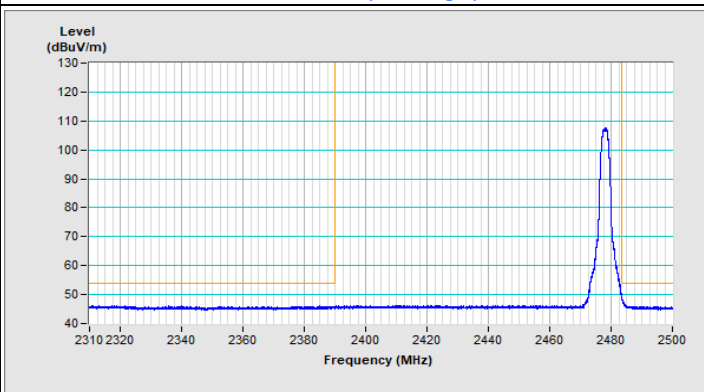
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

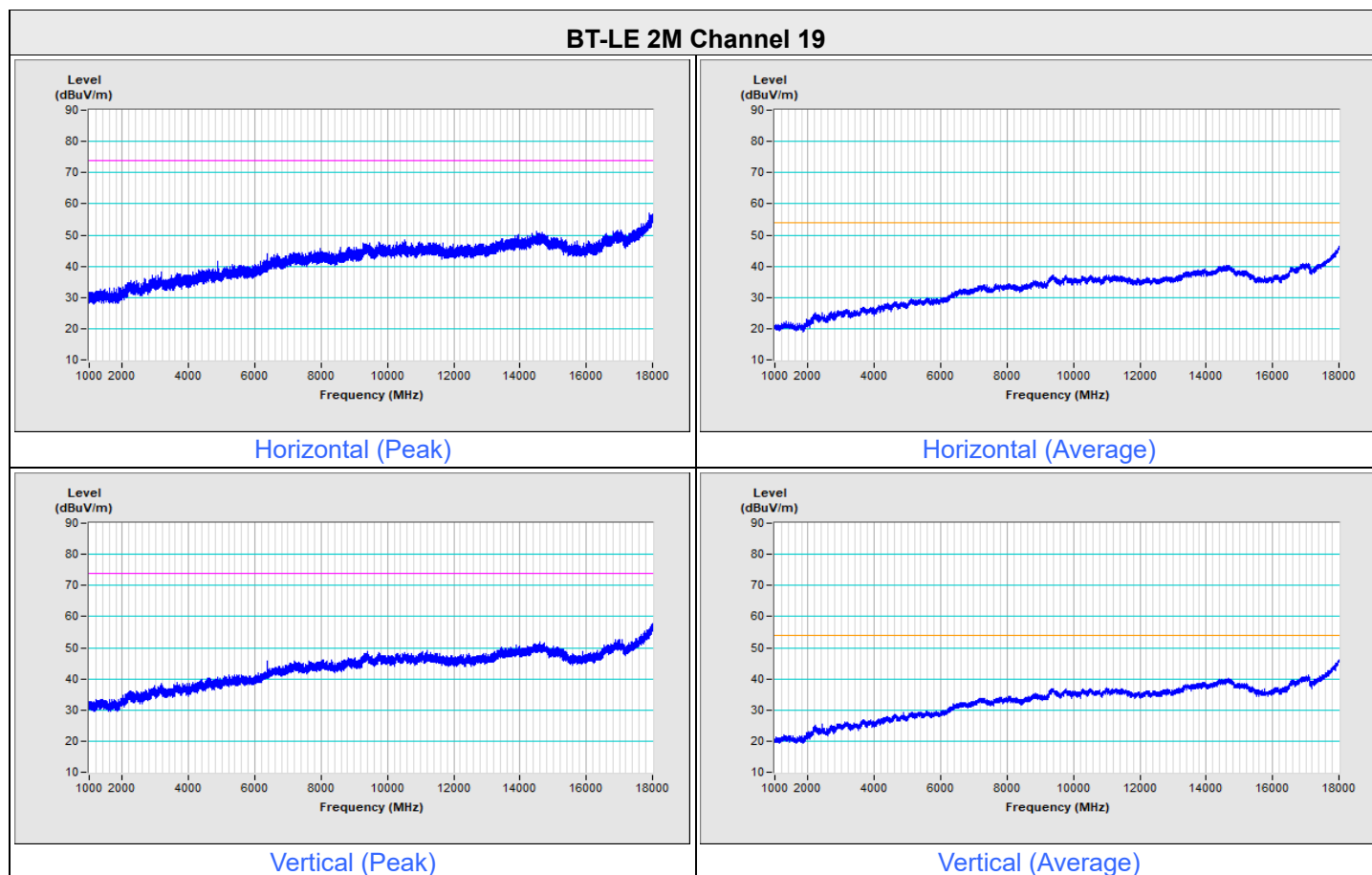


Vertical (Average)

Plot of Other Emission

1Tx

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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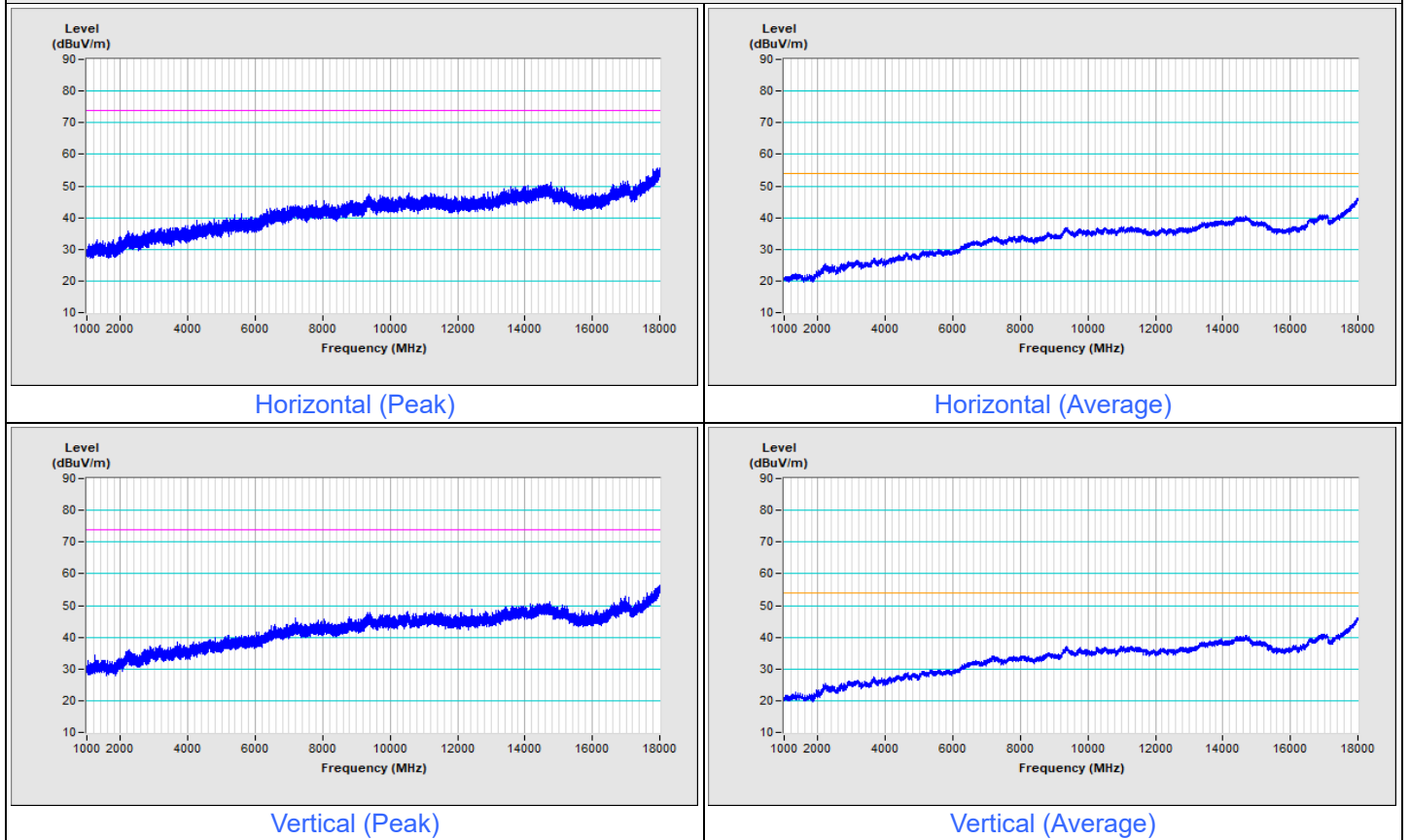


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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BT-LE HDT7.5 Channel 19

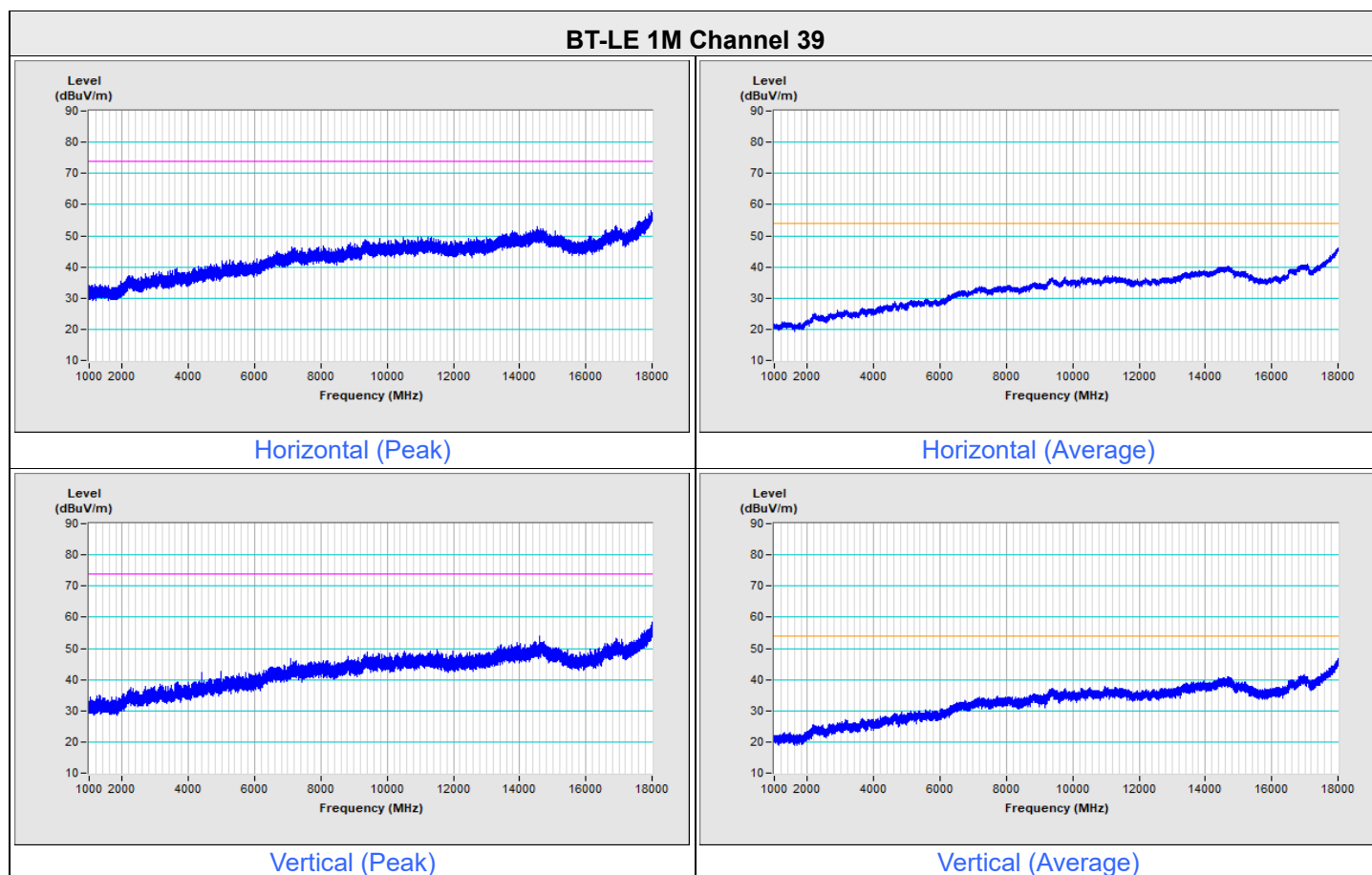


Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

2Tx

Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	PK: RB=1 MHz, VB=3 MHz, DET=Peak AV: RB=1 MHz, VB=3 MHz, DET=RMS
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Notes:

1. For radiated emission test data, complete spectral plots shall be presented in the report only for the worst-case scenarios of each mode within each operating frequency band.
2. The frequency range 18 GHz ~ 25 GHz: After investigation, no any emissions were found to exist, therefore they are not recorded in this report.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 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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