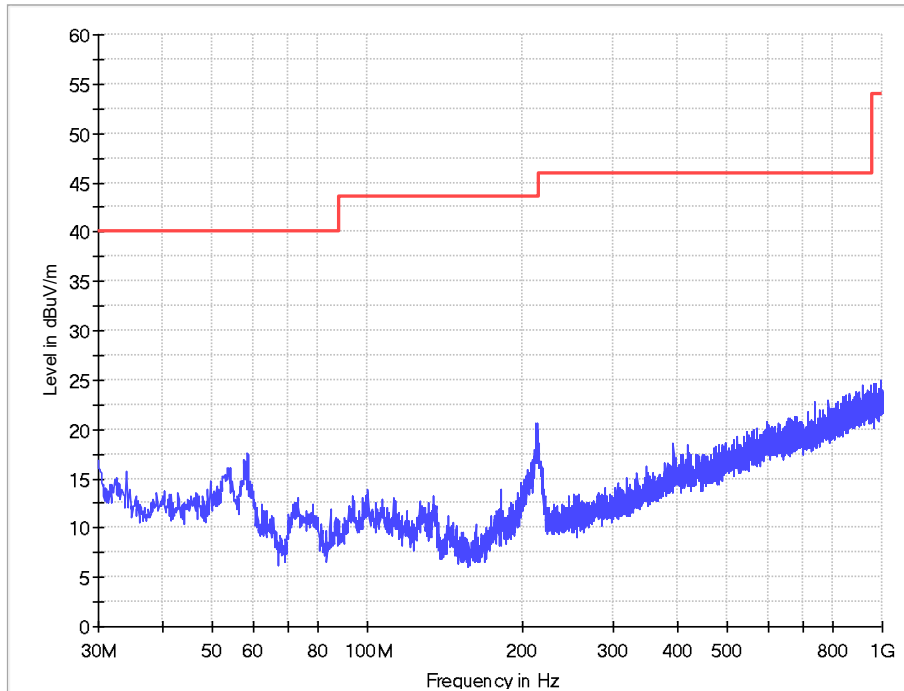
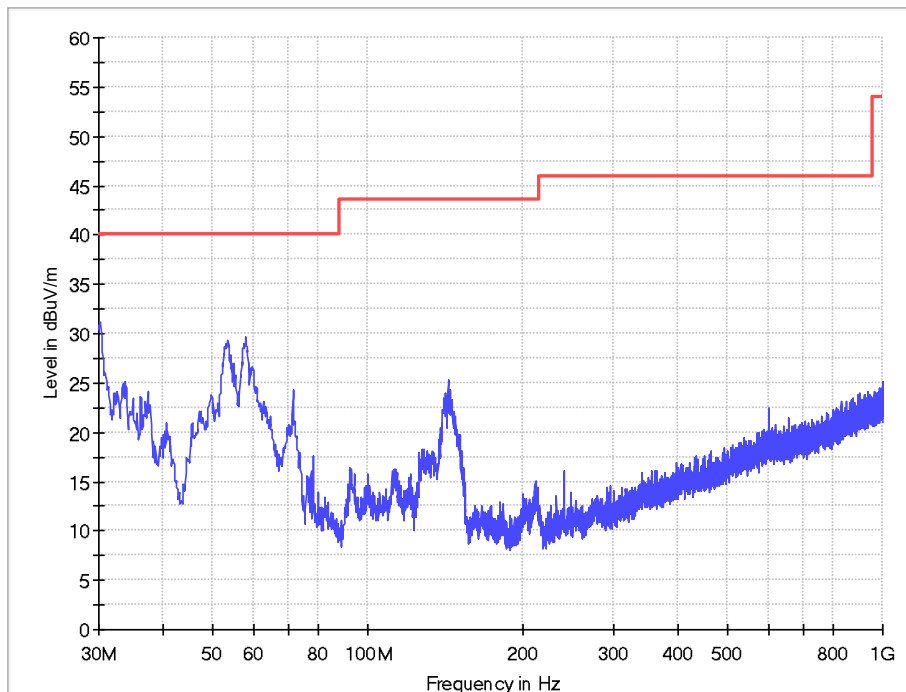


30MHz-1GHz

Horizontal

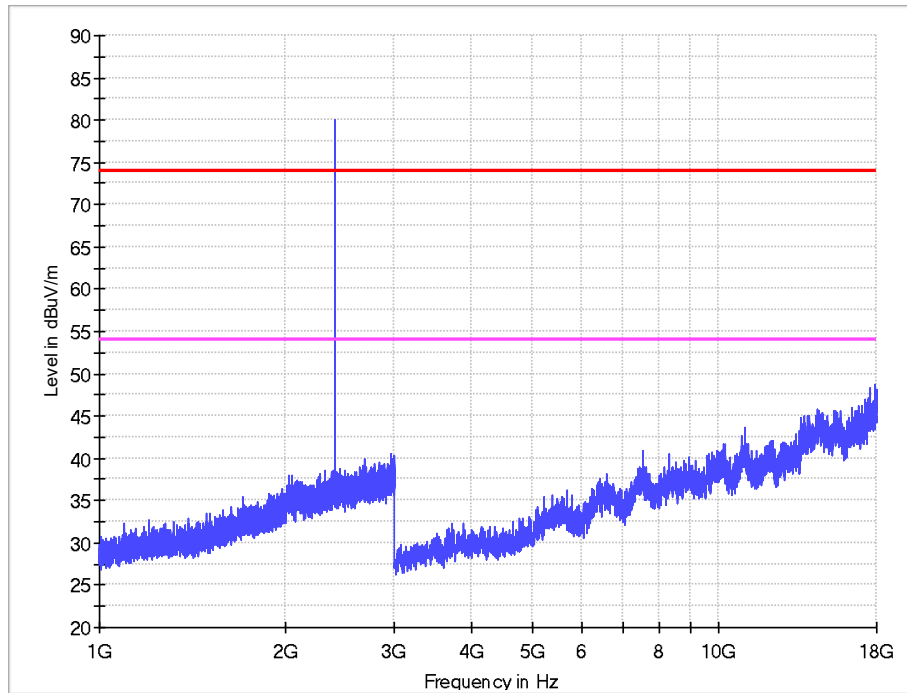


Vertical

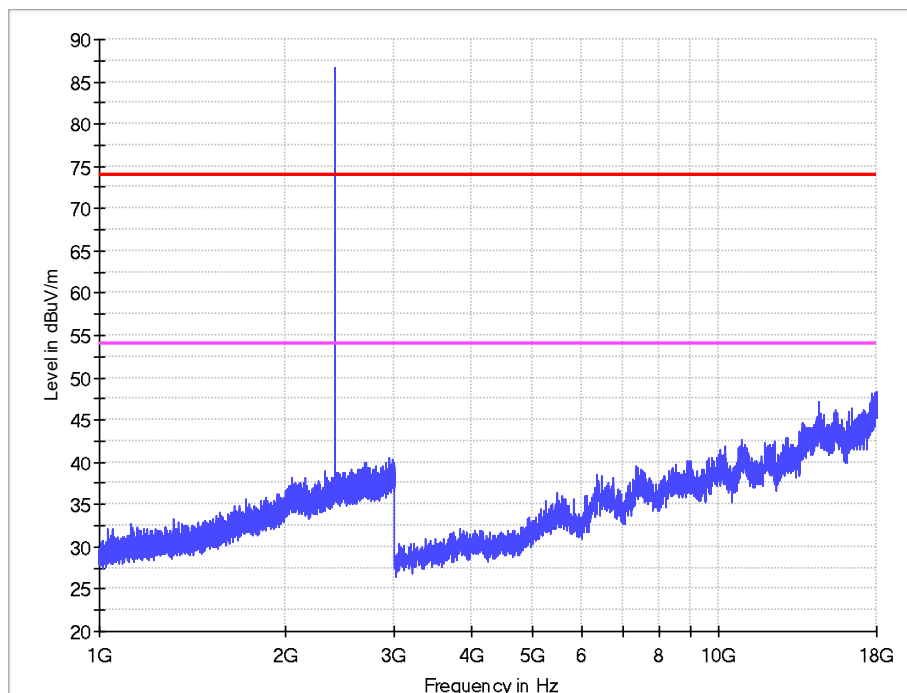


1-18 GHz

BLE_1Mbps CH0
Horizontal



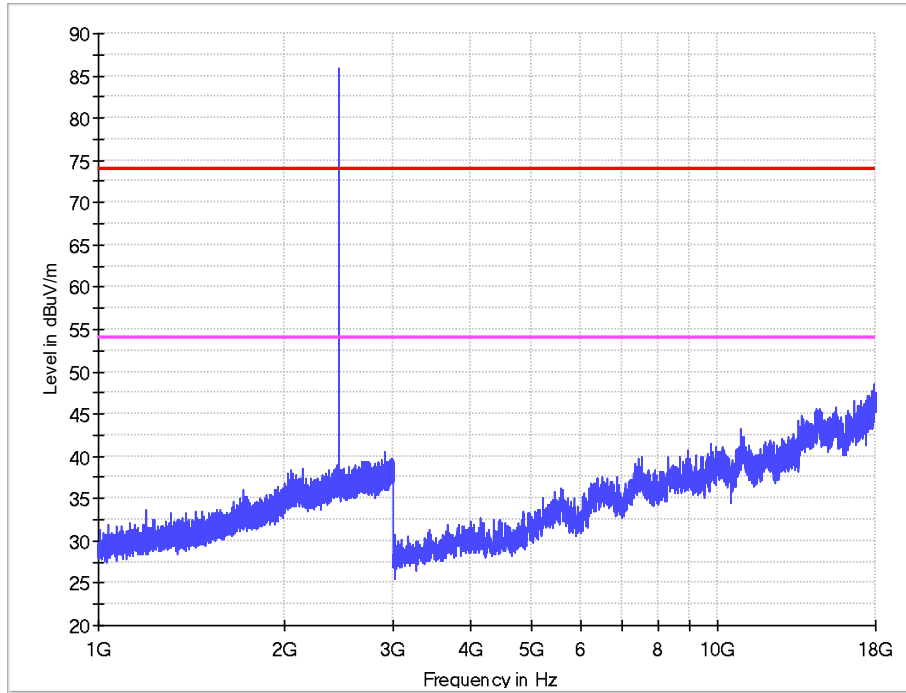
Vertical



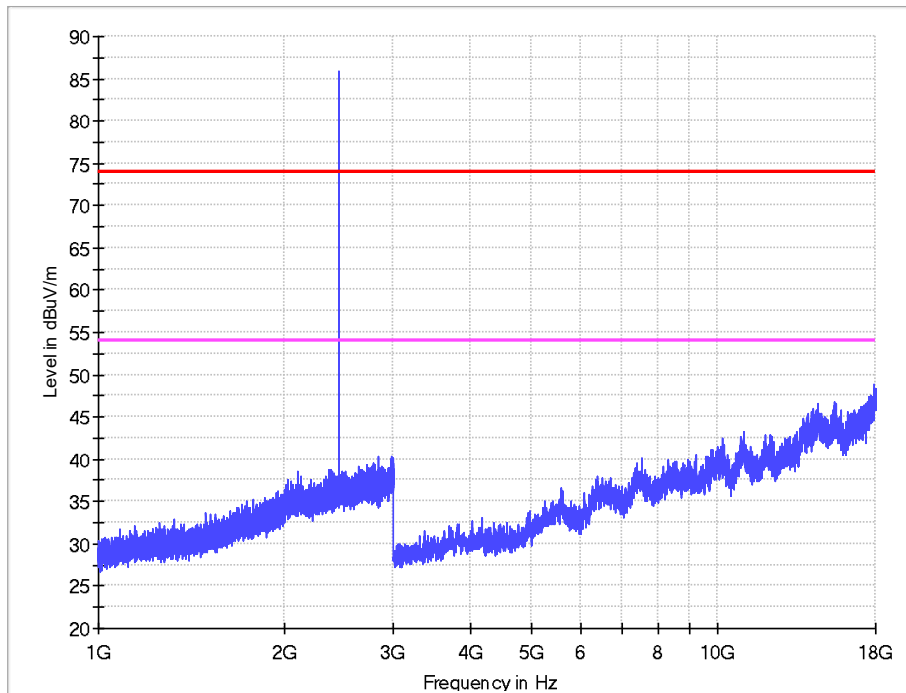
1-18 GHz

BLE_1Mbps BLE CH19

Horizontal



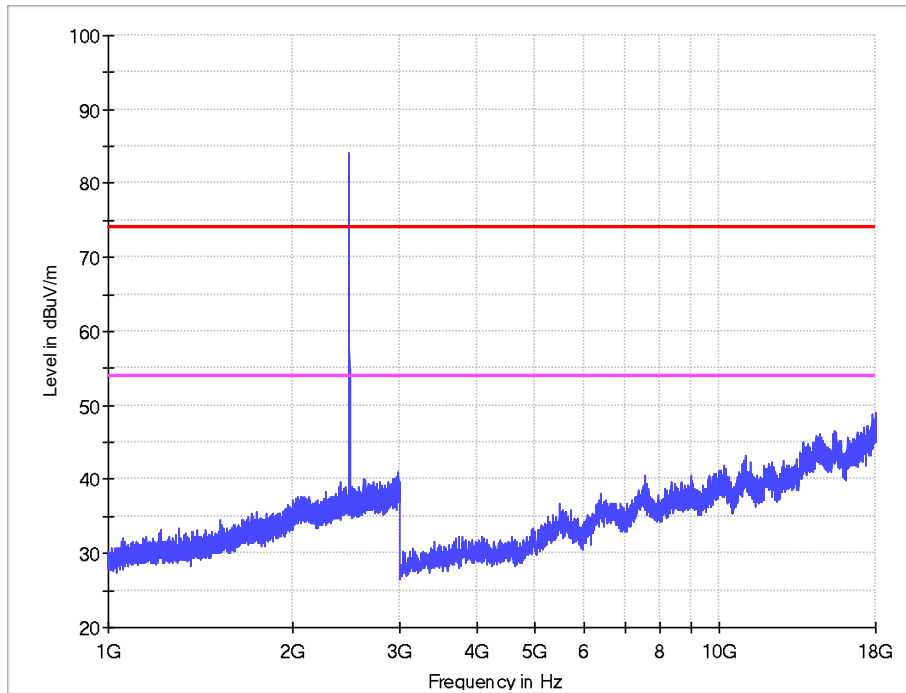
Vertical



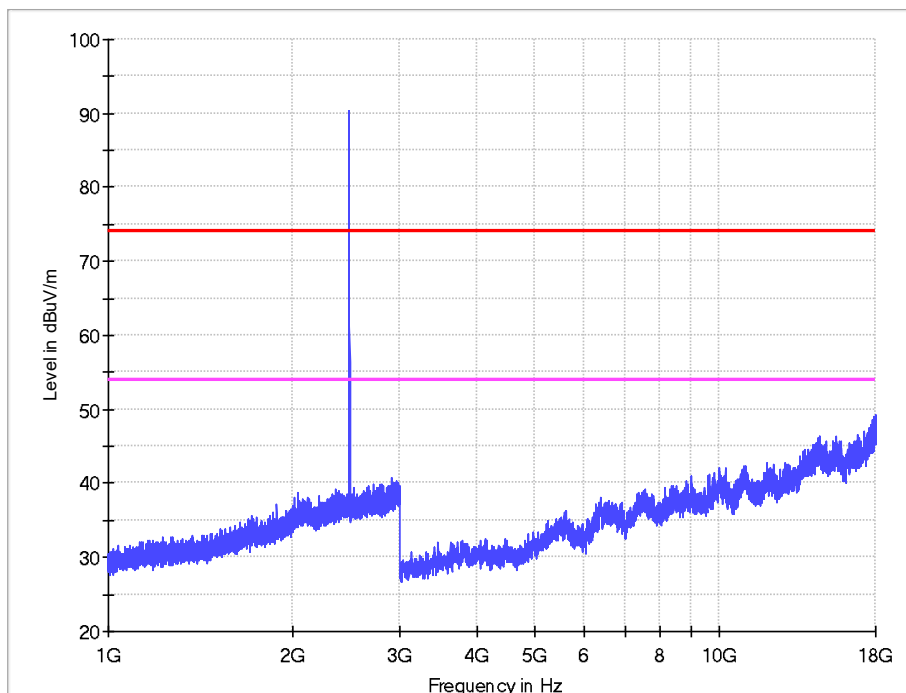
1-18 GHz

BLE_1Mbps BLE CH39

Horizontal



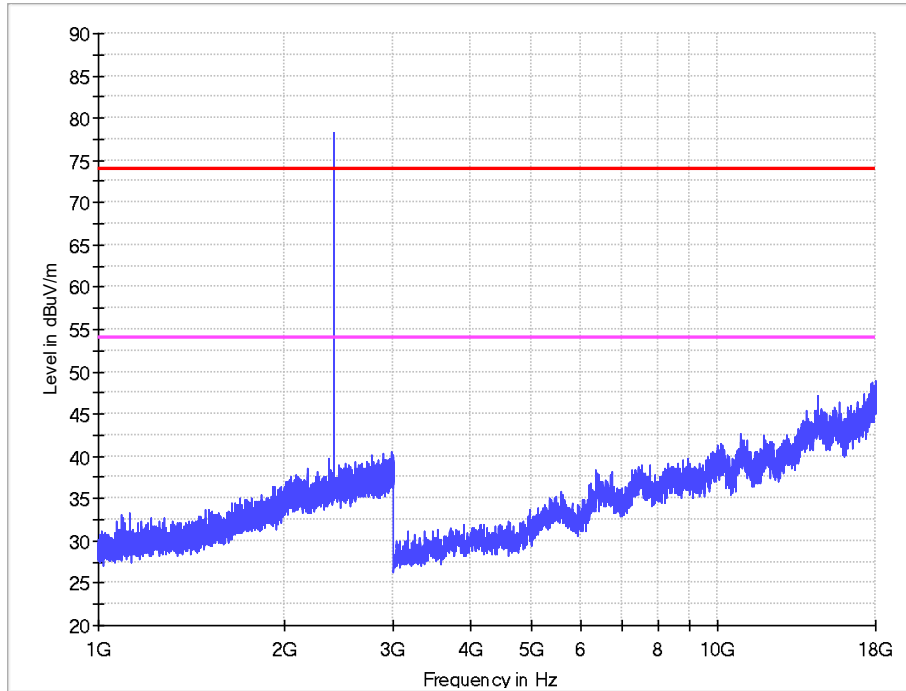
Vertical



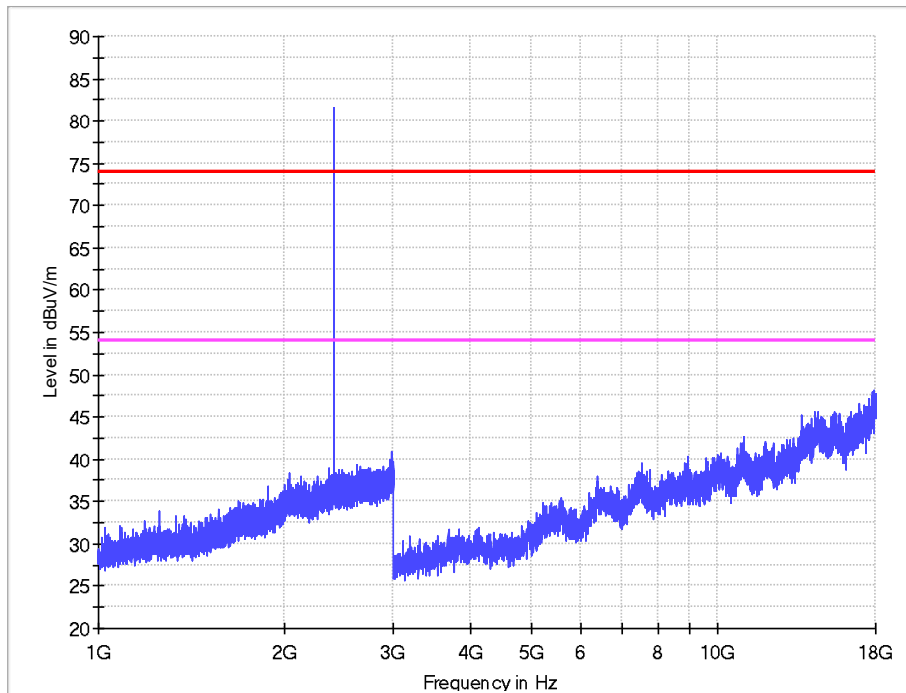
1-18 GHz

BLE_2Mbps CH0

Horizontal



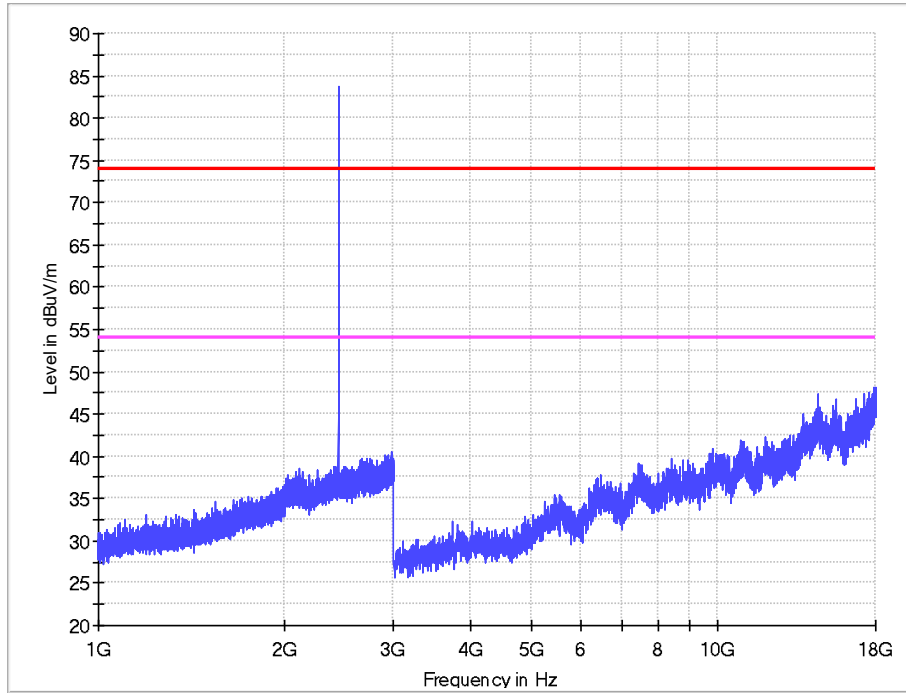
Vertical



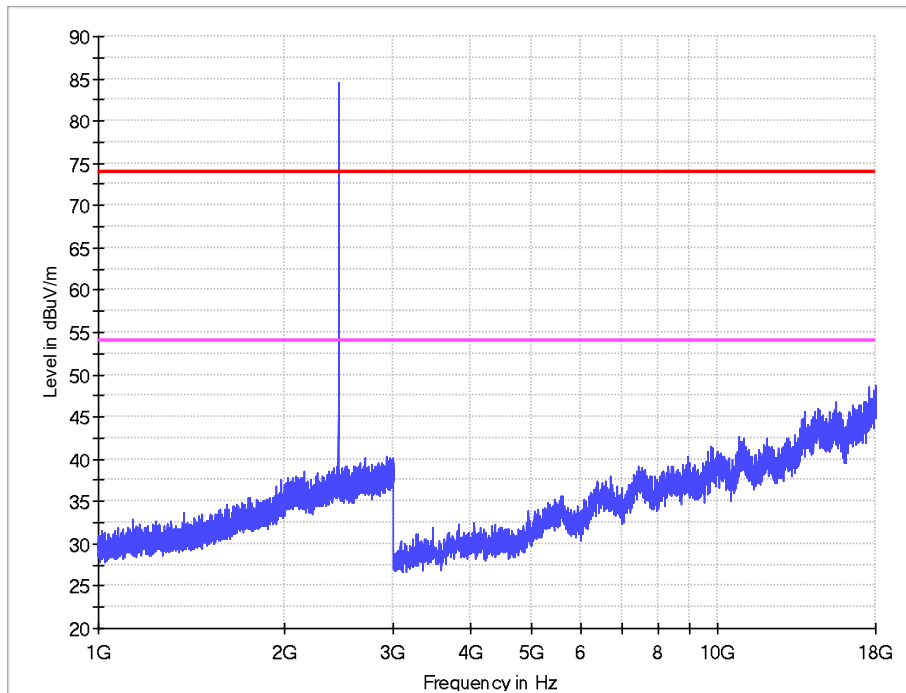
1-18 GHz

BLE_2Mbps BLE CH19

Horizontal



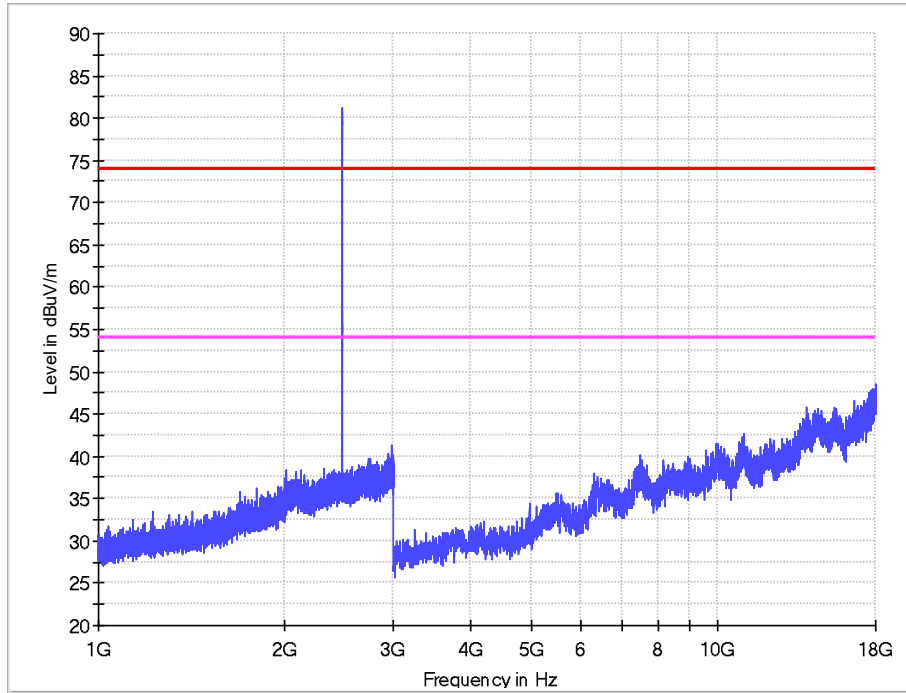
Vertical



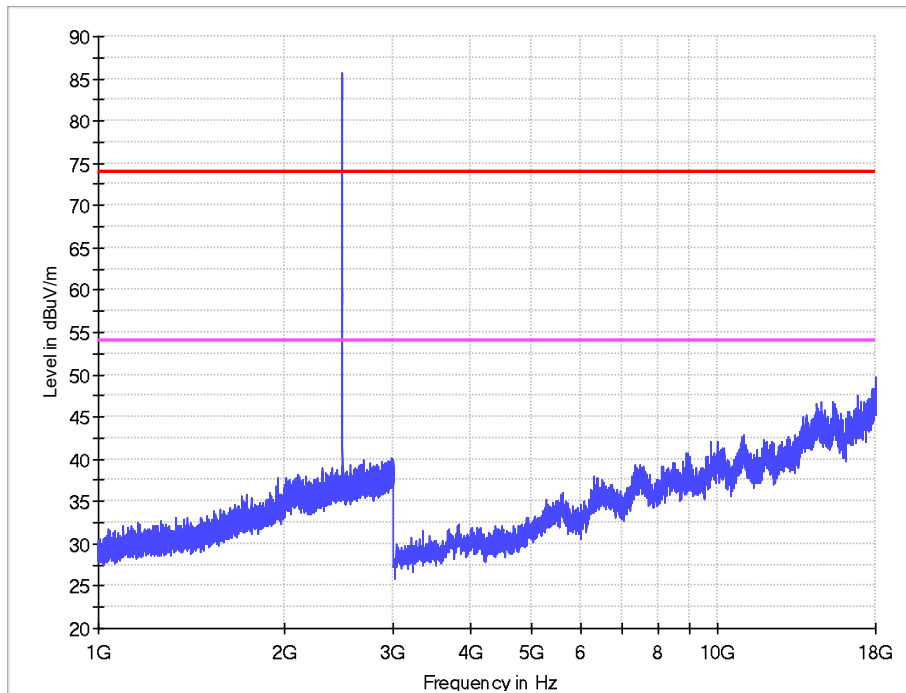
1-18 GHz

BLE_2Mbps BLE CH39

Horizontal

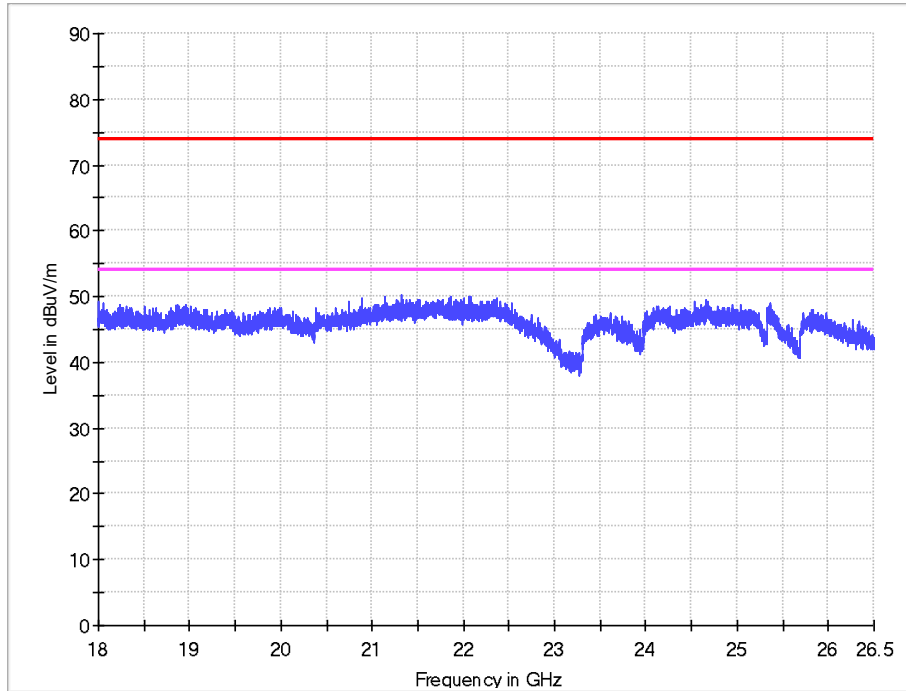


Vertical

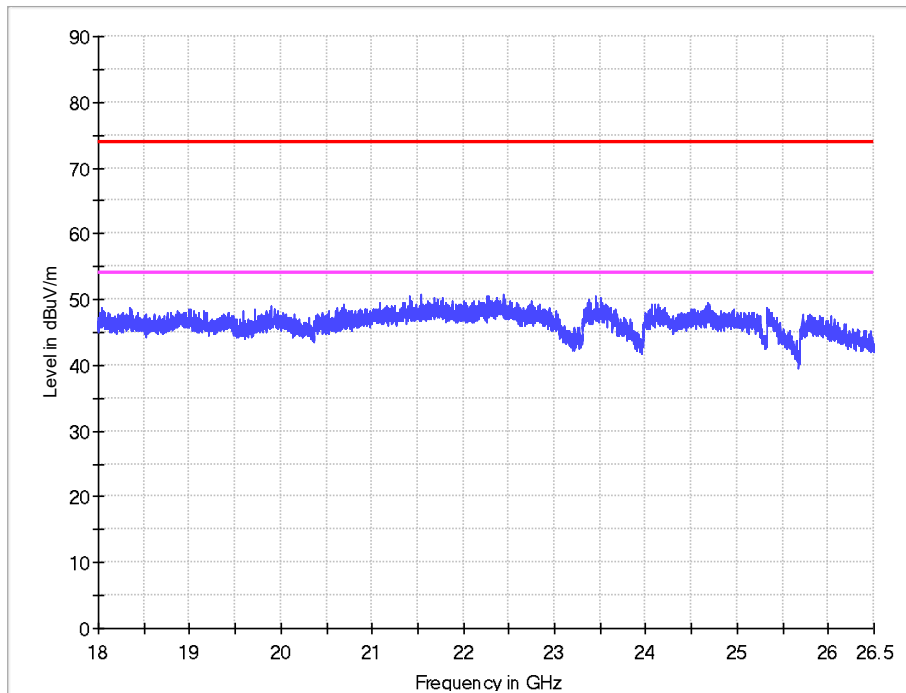


18-26.5 GHz

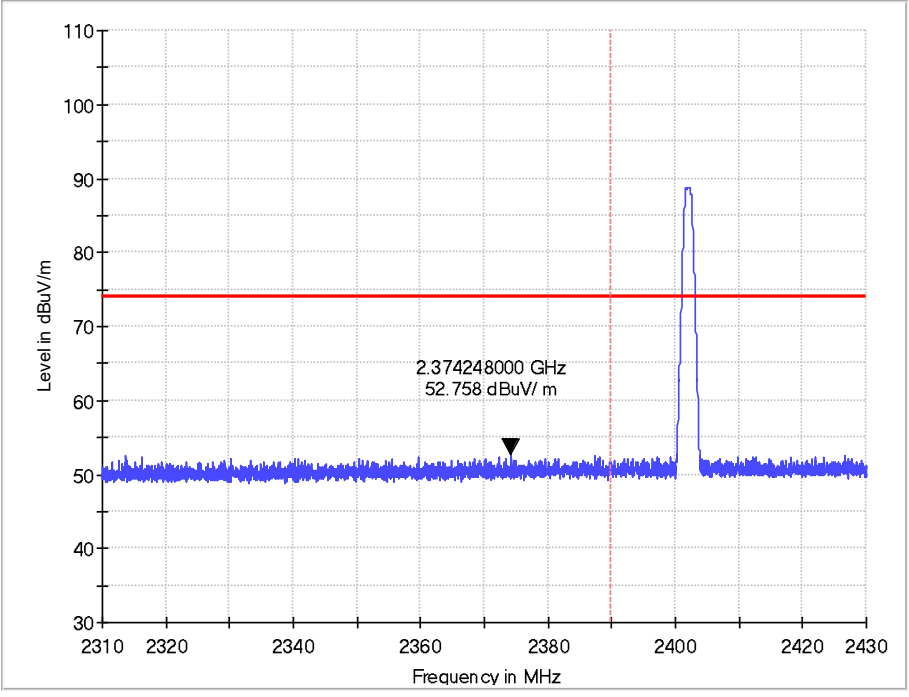
No Peak found in pre-scan, only worst case result is listed in this report.
Horizontal



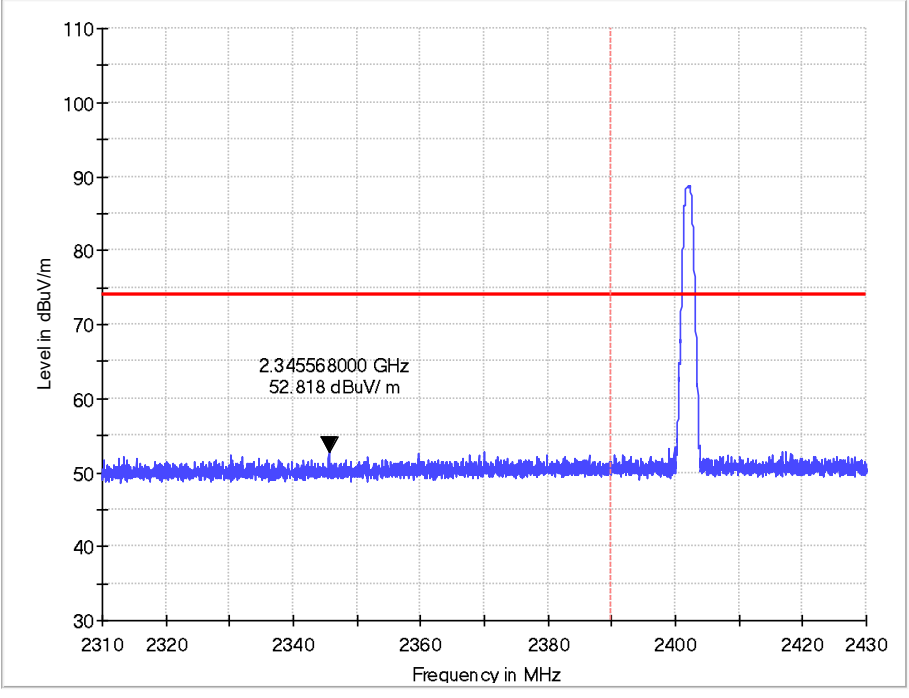
Vertical



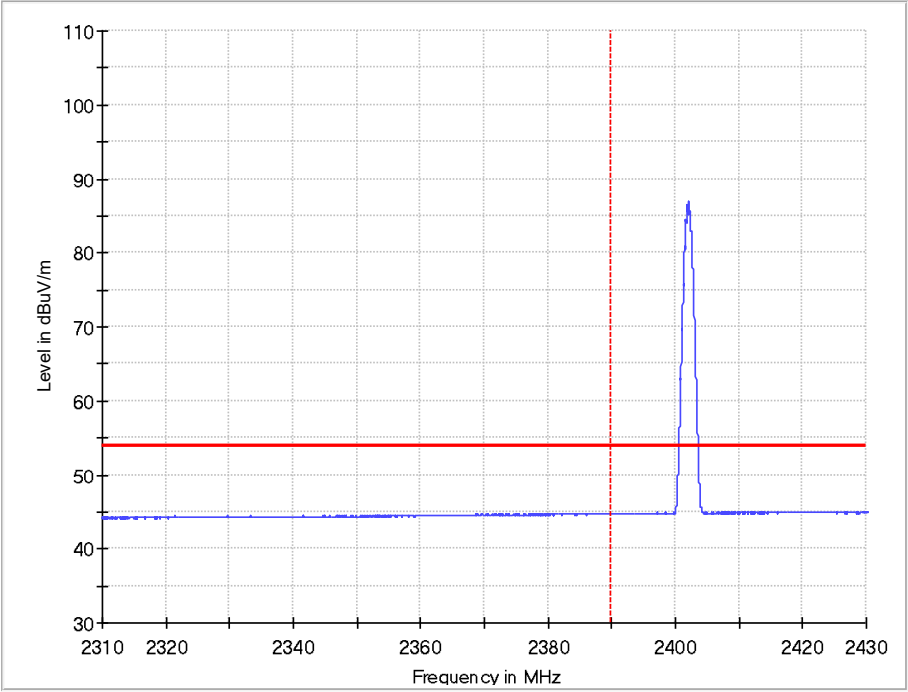
Band Edge
BLE_1Mbps BLE CH0
PK
Horizontal



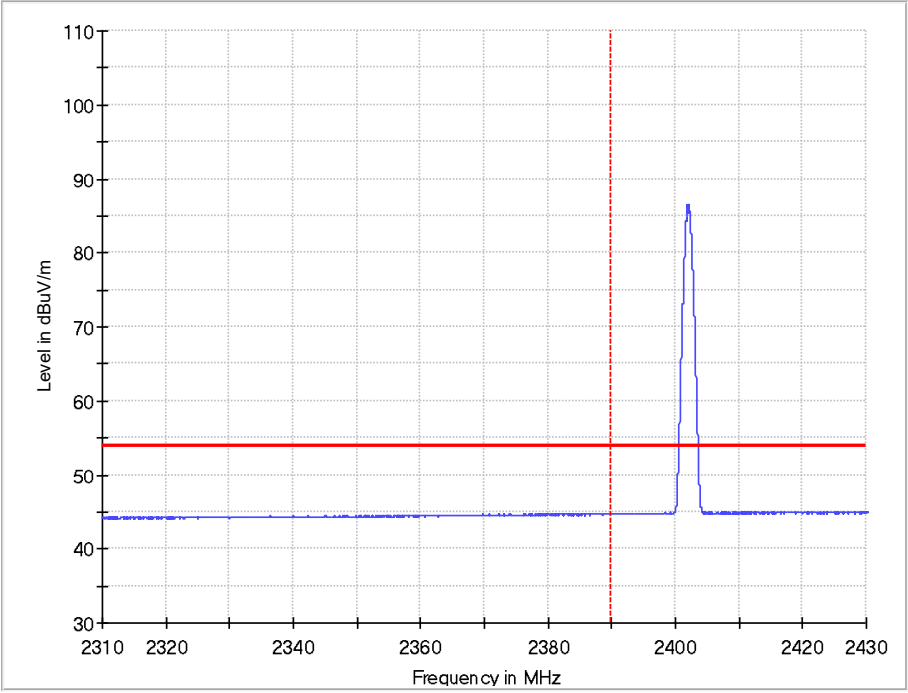
Vertical



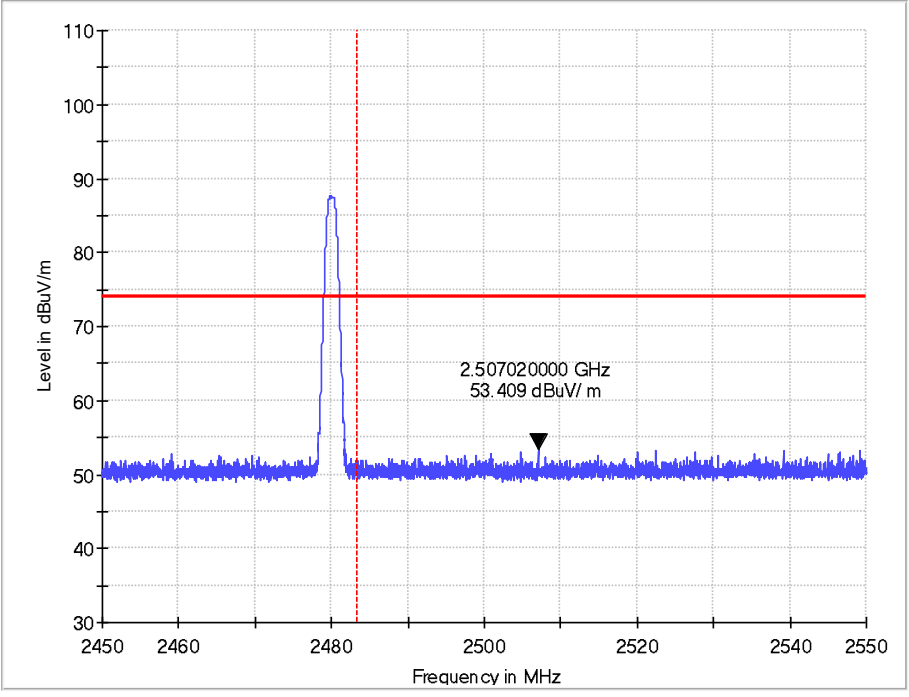
AV
Horizontal



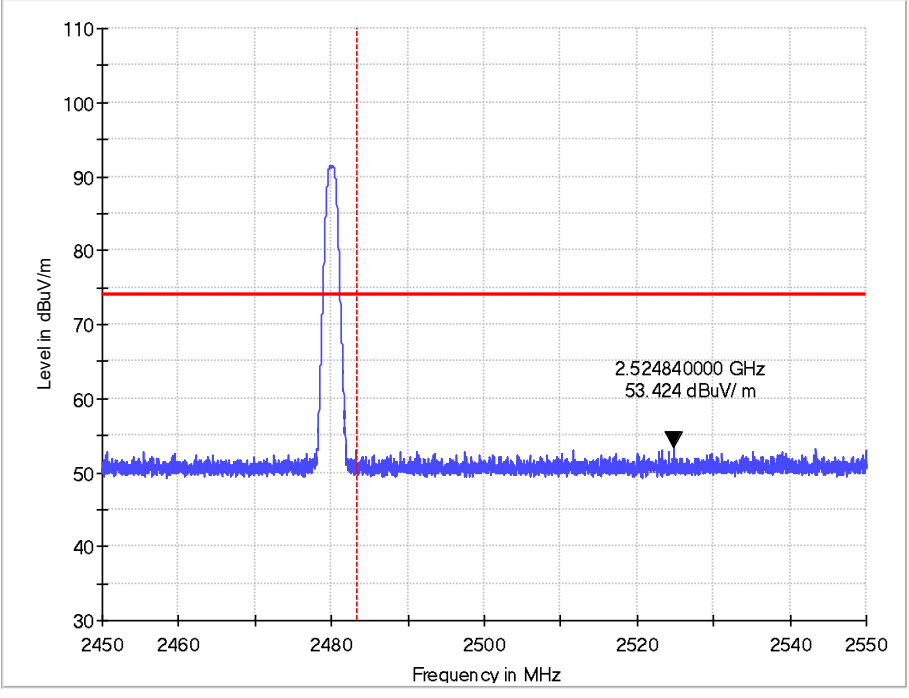
Vertical



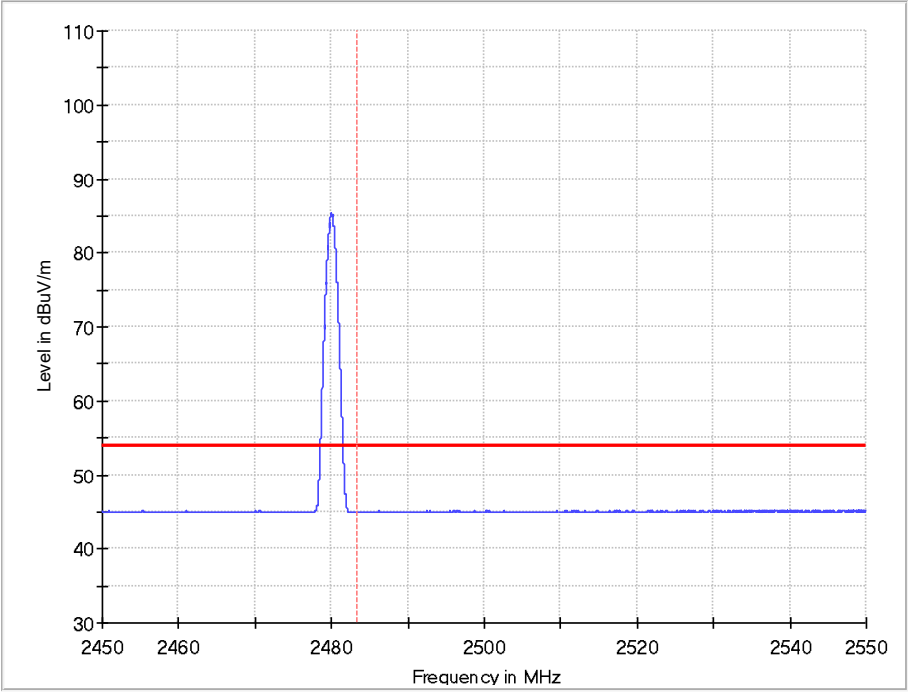
Band Edge
BLE_1Mbps BLE CH39
PK
Horizontal



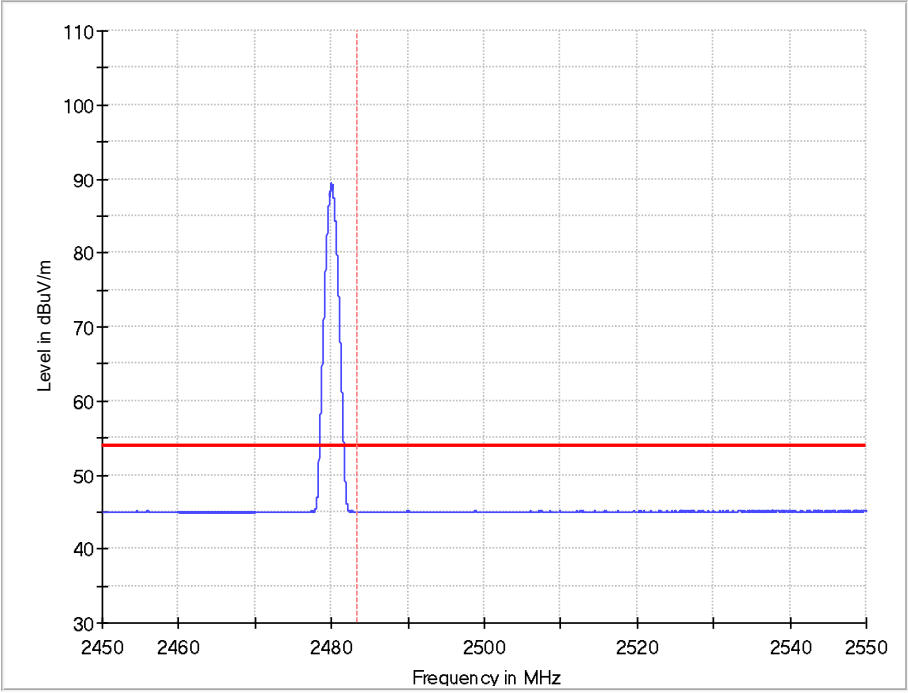
Vertical



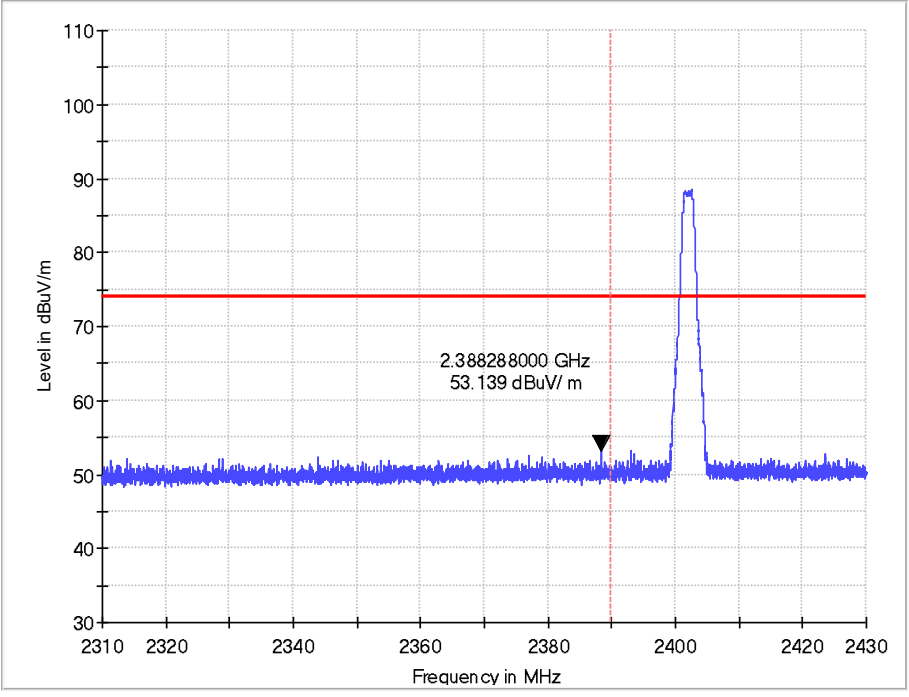
AV
Horizontal



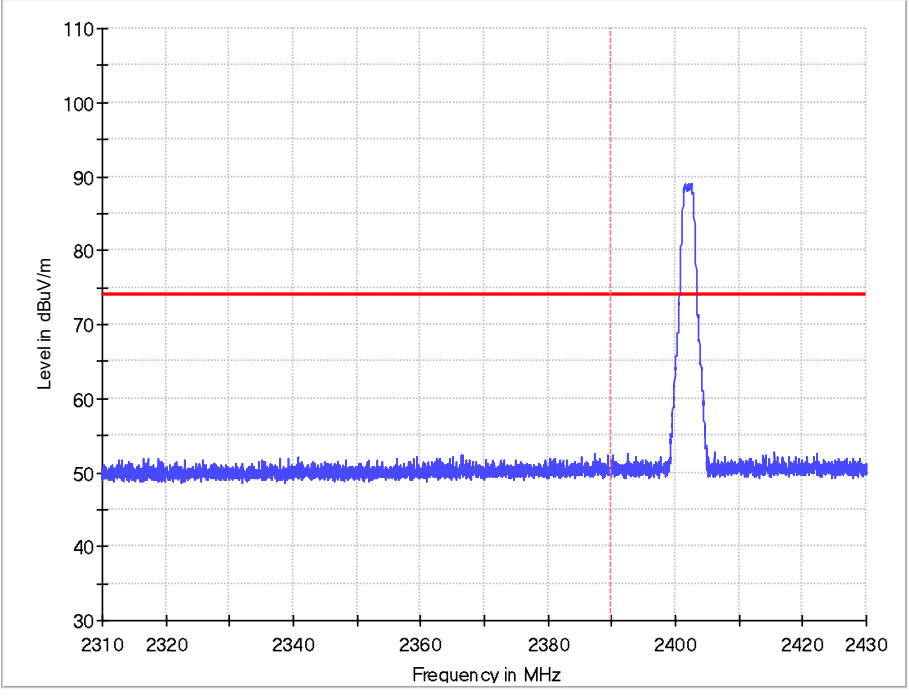
Vertical



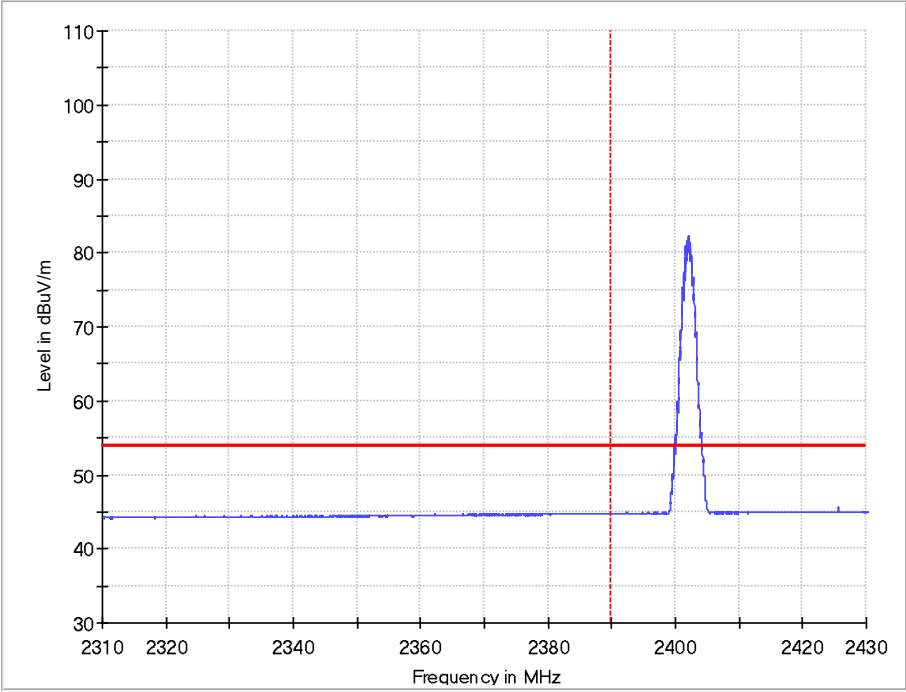
Band Edge
BLE_2Mbps BLE CH0
PK
Horizontal



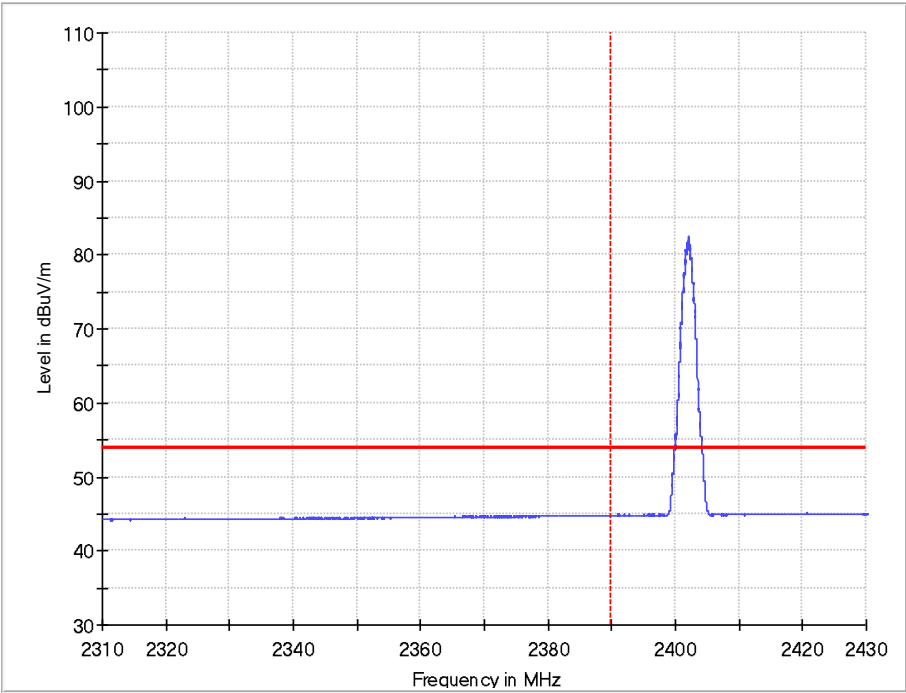
Vertical



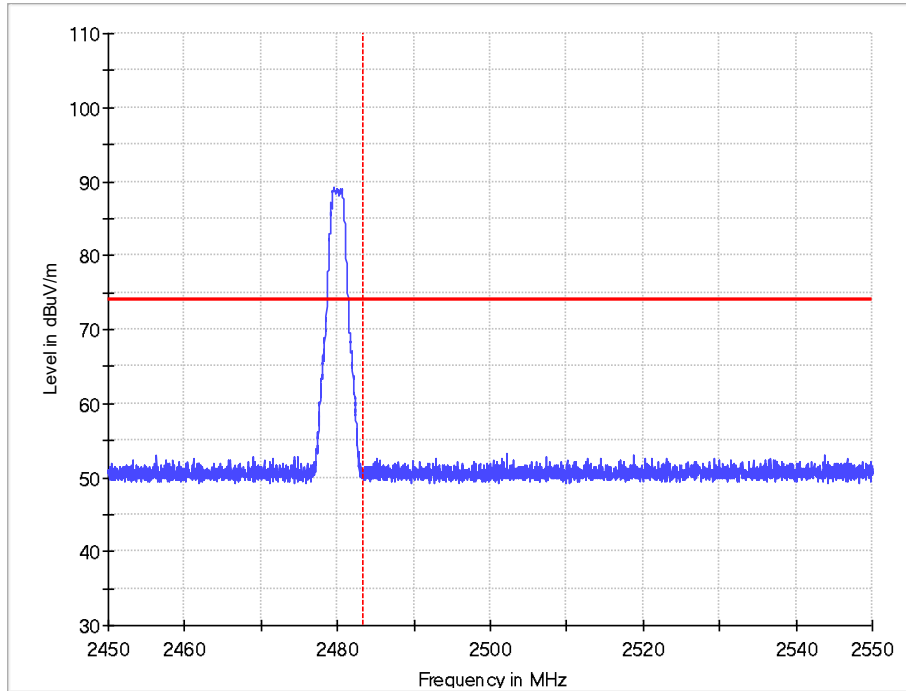
AV
Horizontal



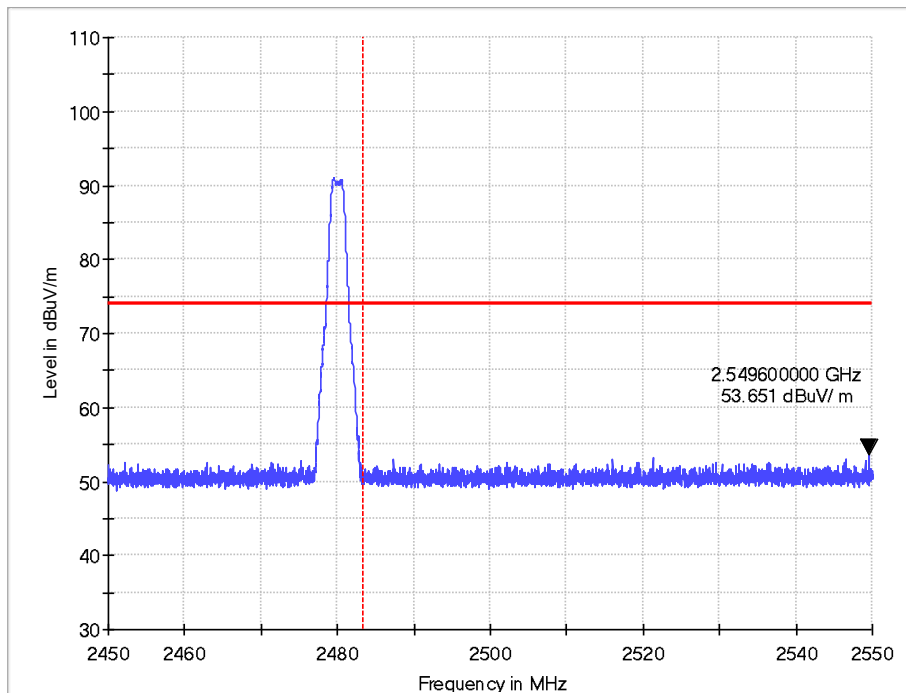
Vertical



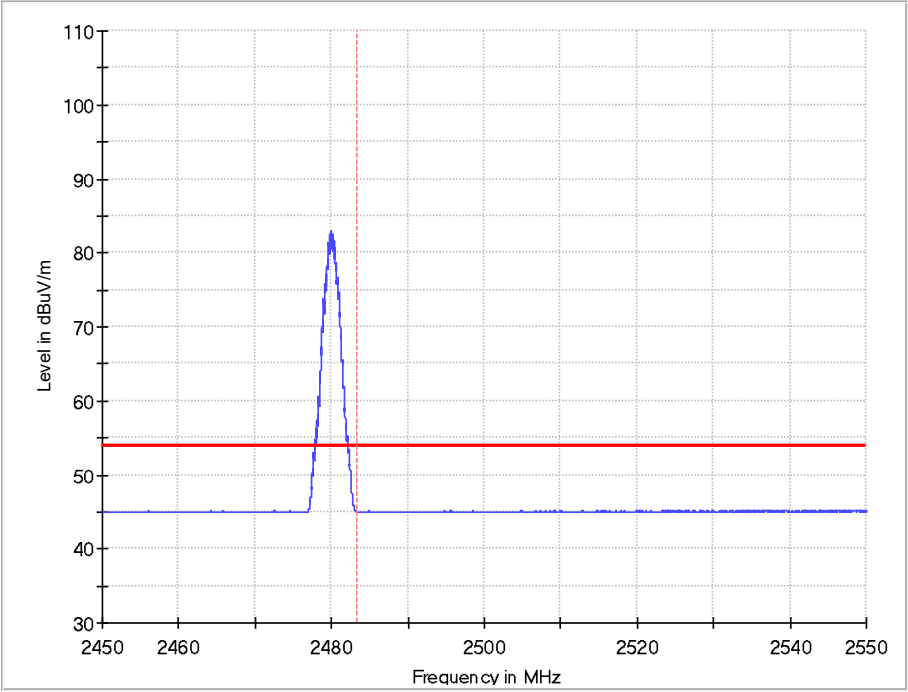
Band Edge
BLE_2Mbps BLE CH39
PK
Horizontal



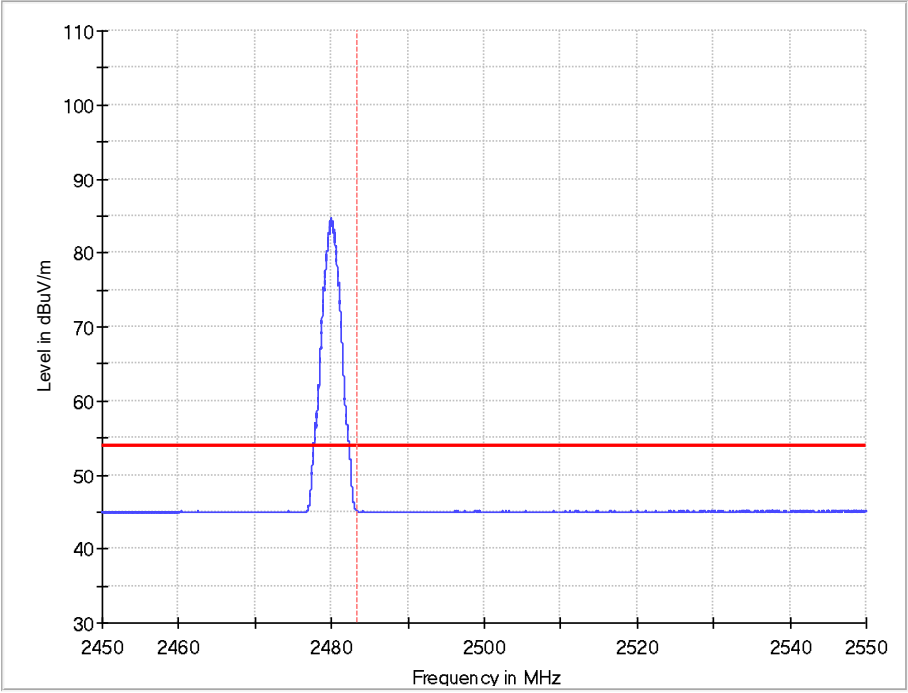
Vertical



AV
Horizontal



Vertical



10. CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT

10.1. Test Standard and Limit

10.1.1. Test Standard

FCC Part 15.207
RSS-Gen Clause 8.8

10.1.2. Test Limit

Table 16 Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

* Decreasing linearly with logarithm of the frequency

* The lower limit shall apply at the transition frequency.

10.2. Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI test receiver is used to test the emissions from both sides of AC line. According to the requirements of ANSI C63.10. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

The bandwidth of EMI test receiver is set at 9 kHz.

10.3. Test Arrangement

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application. The detailed information refers to test picture.

10.4. Test Data

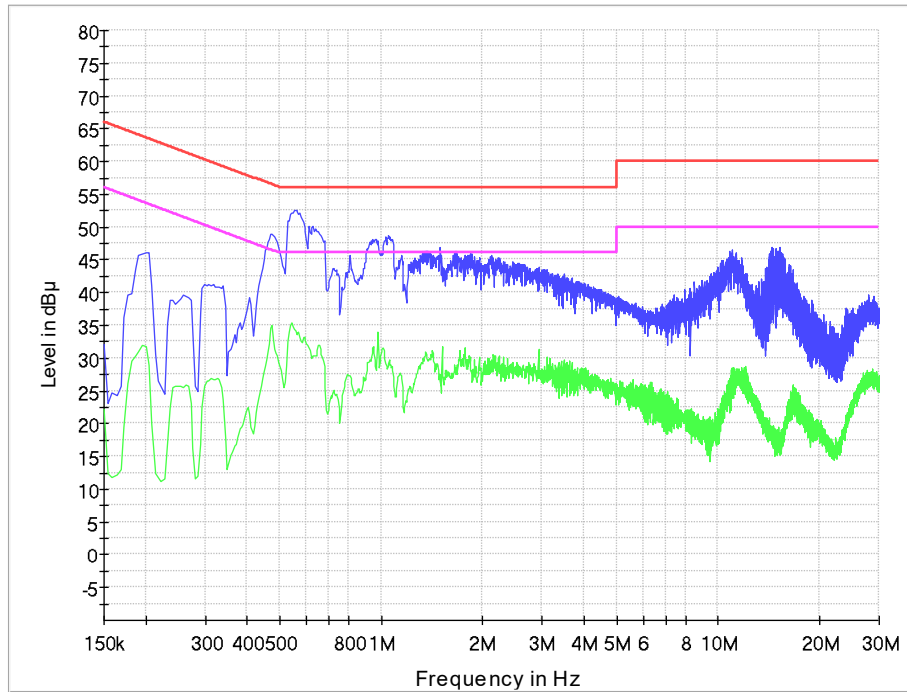
The emissions don't show in below are too low against the limits. Refer to the test curves.

Table 17 Conducted Emission Test Data

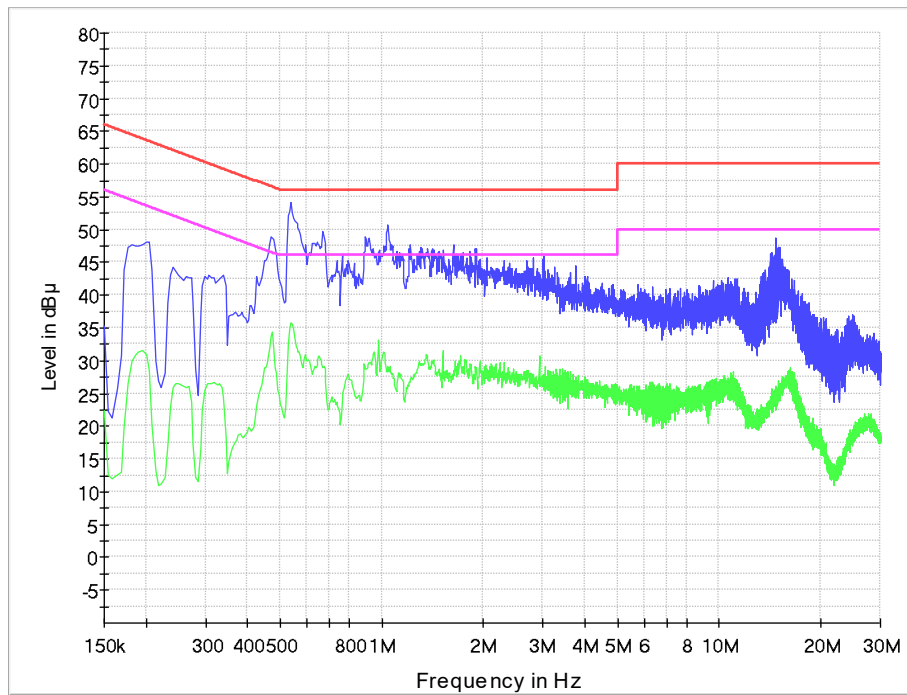
Test mode: Charging and Transmitting								
	Frequency (MHz)	Correction Factor (dB)	Quasi-Peak			Average		
			Reading (dB μ V)	Emission Level (dB μ V)	Limit (dB μ V)	Reading (dB μ V)	Emission Level (dB μ V)	Limit (dB μ V)
Line	0.474	9.7	38.0	47.7	56.4	35.4	25.7	46.4
	0.555	9.8	40.4	50.2	56	34.0	24.2	46
	0.627	9.8	37.1	46.9	56	30.6	20.8	46
	0.945	9.8	35.6	45.4	56	31.9	22.1	46
	1.050	9.8	36.6	46.4	56	31.1	21.3	46
	1.495	9.8	33.1	42.9	56	28.2	18.4	46
Neutral	0.469	9.7	36.7	46.4	56.5	34.0	24.3	46.5
	0.537	9.8	39.4	49.2	56	35.8	26.0	46
	0.667	9.8	34.6	44.4	56	29.9	20.1	46
	0.892	9.8	33.3	43.1	56	29.7	19.9	46
	1.041	9.8	34.9	44.7	56	29.2	19.4	46
	1.891	9.8	30.4	40.2	56	29.4	19.6	46

REMARKS: 1. Emission level (dB μ V) = Read Value (dB μ V) + Correction Factor (dB)
2. Correction Factor (dB) = LISN Factor (dB) + Cable Factor (dB) + Limiter Factor (dB)
3. The other emission levels were very low against the limit.

Line



Neutral



11.99% BANDWIDTH

11.1.LIMITS OF 99% Bandwidth

RSS-GEN Clause 6.7, for reporting purposes only

11.2.TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.

The transmitter output is connected to a spectrum analyzer.

The RBW is set to $\geq 1\%$ to 5% of the actual occupied.

The VBW is set to $\geq 3\text{RBW}$. The sweep time is coupled

11.3.TEST SETUP

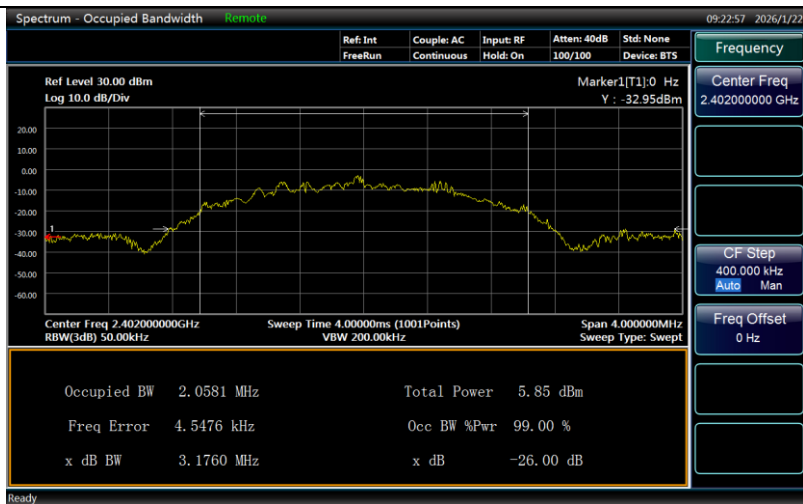


11.4.TEST DATA

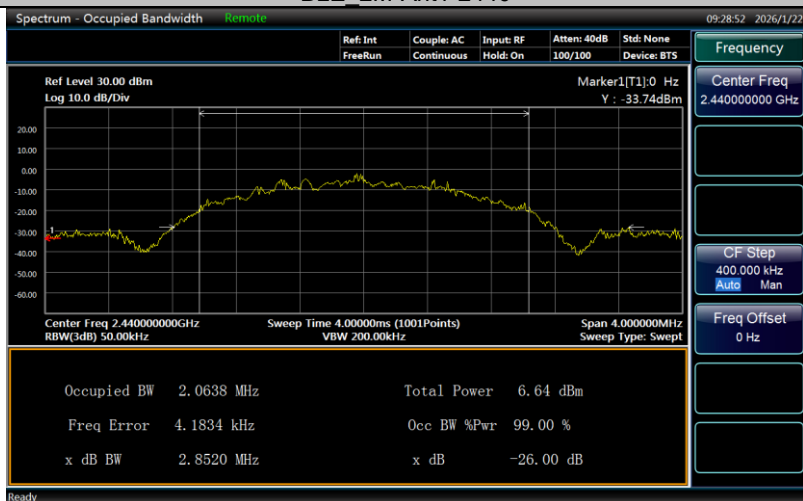
Table 18 99%Occupied Bandwidth Test Data

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0518	2401.4679	2402.5197	---	---
		2440	1.0521	2439.4624	2440.5145	---	---
		2480	1.0443	2479.4644	2480.5087	---	---
BLE_2M	Ant1	2402	2.0581	2400.9755	2403.0336	---	---
		2440	2.0638	2438.9723	2441.0361	---	---
		2480	2.0741	2478.9581	2481.0322	---	---

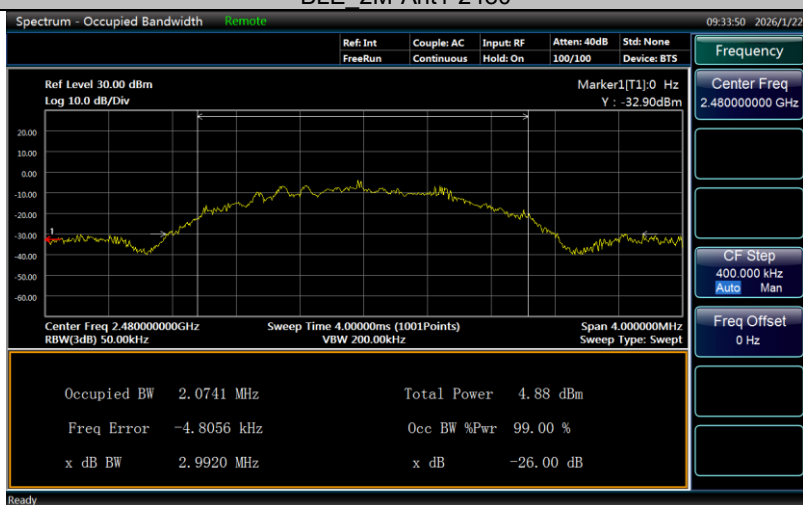




BLE 2M-Ant1-2440



BLE_2M-Ant1-2480



12. ANTENNA REQUIREMENTS

15.203 requirements:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirements:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS-GEN Section 6.8:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.1. Antenna Connector

Antenna Connector is on the PCB within enclosure and not accessible to user.

12.2. Antenna Gain

The antenna gain of EUT is less than 6 dBi.

END OF REPORT