

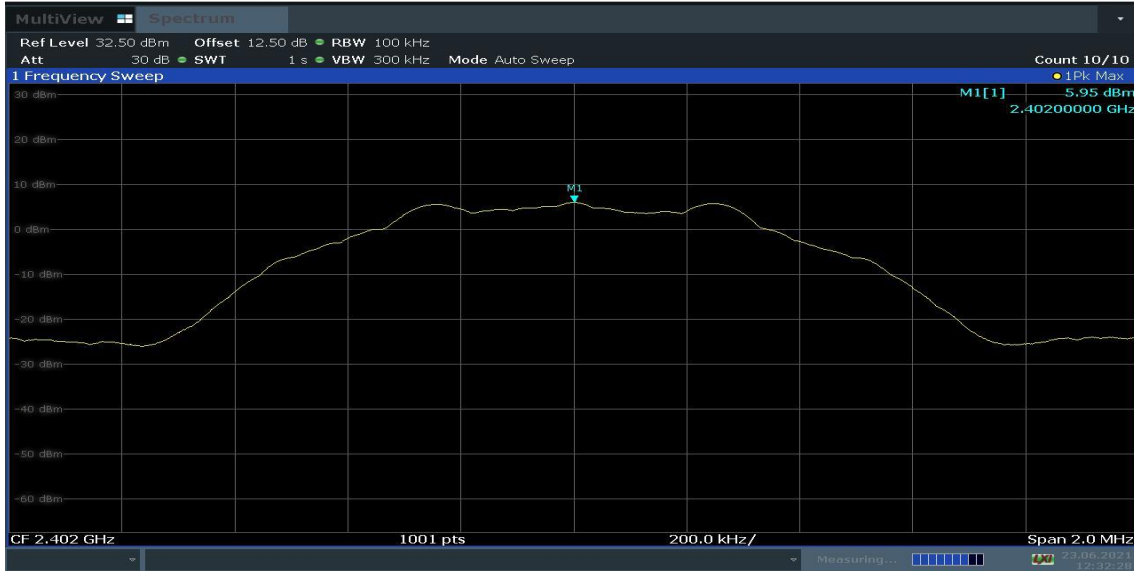
7. Appendix G: Conducted Spurious Emission

7.1 Test Result

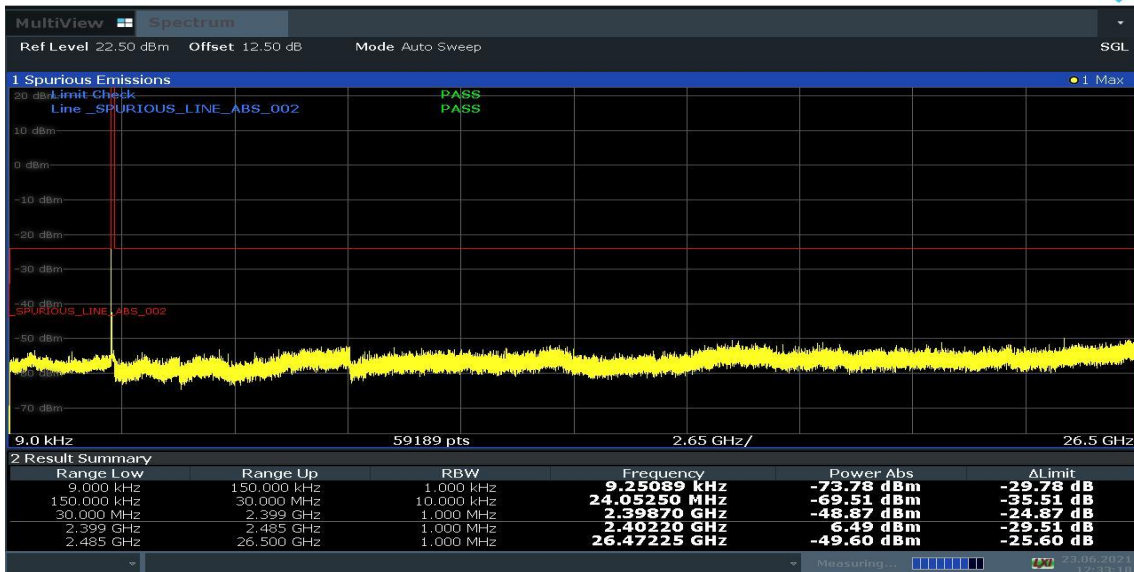
TestMode	Antenna	Channel	RefLevel[dBm /100kHz]	Result[dBm]	Limit[dBm /100kHz]	Verdict
BLE_TM1	Ant1	2402	5.95	<Limit	-24.05	PASS
		2440	5.99	<Limit	-24.01	PASS
		2480	5.79	<Limit	-24.21	PASS
BLE_TM2	Ant1	2402	6.01	<Limit	-23.99	PASS
		2440	6.05	<Limit	-23.95	PASS
		2480	5.82	<Limit	-24.16	PASS

7.2 Test Graphs

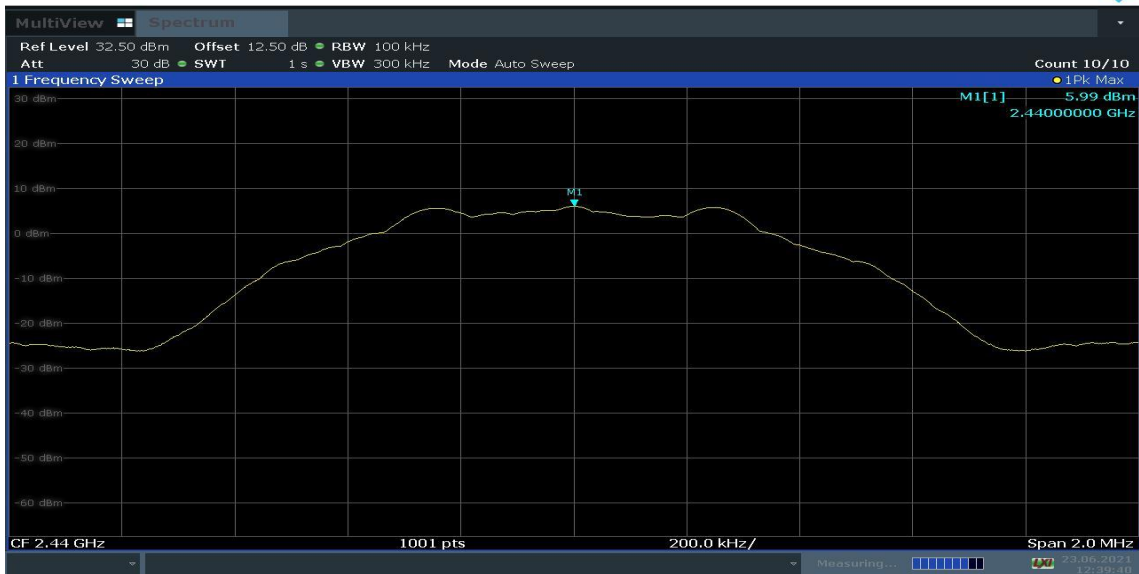
BLE_TM1_Ant1_2402_0~Reference



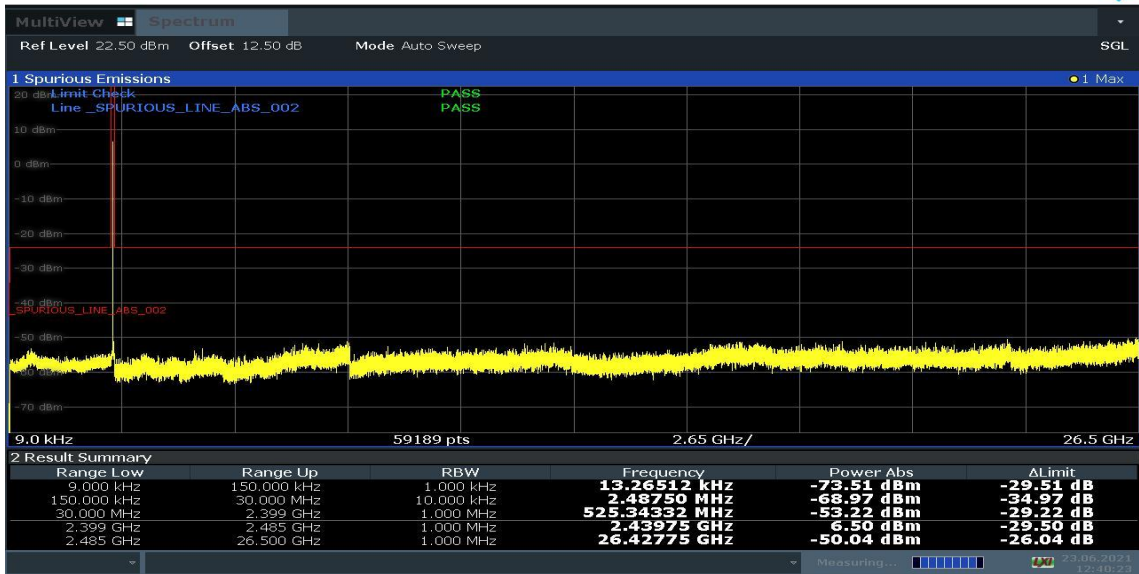
BLE_TM1_Ant1_2402_0.009~26500



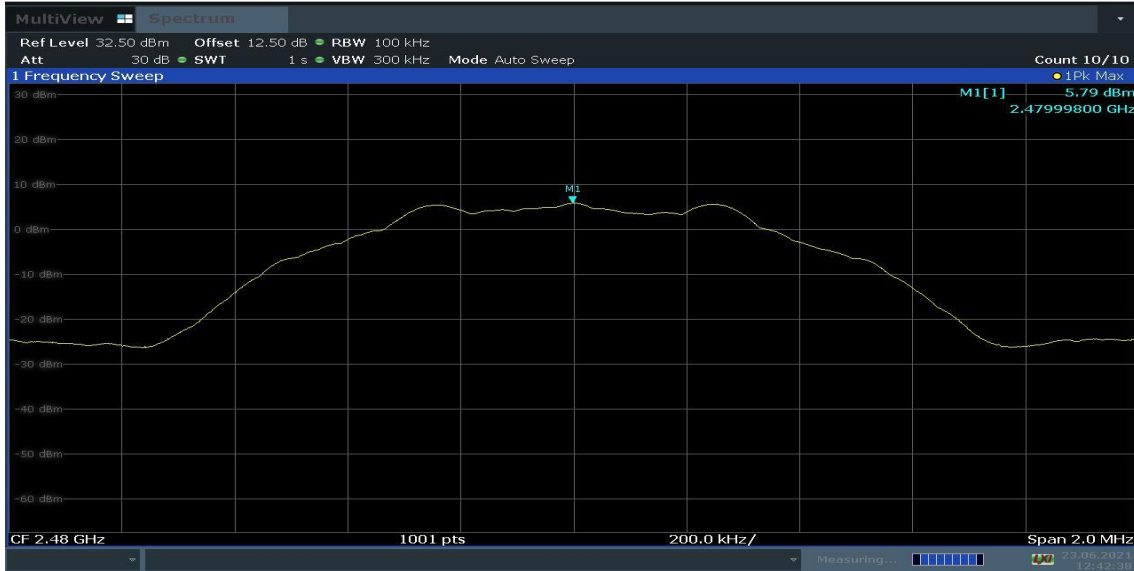
BLE_TM1_Ant1_2440_0~Reference



BLE_TM1_Ant1_2440_0.009~26500



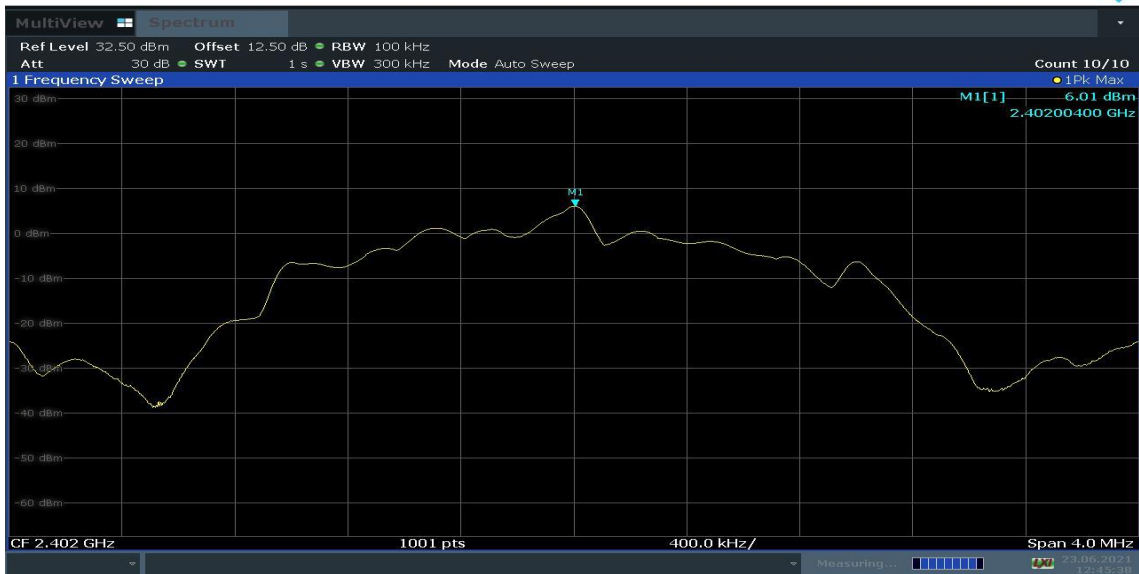
BLE_TM1_Ant1_2480_0~Reference



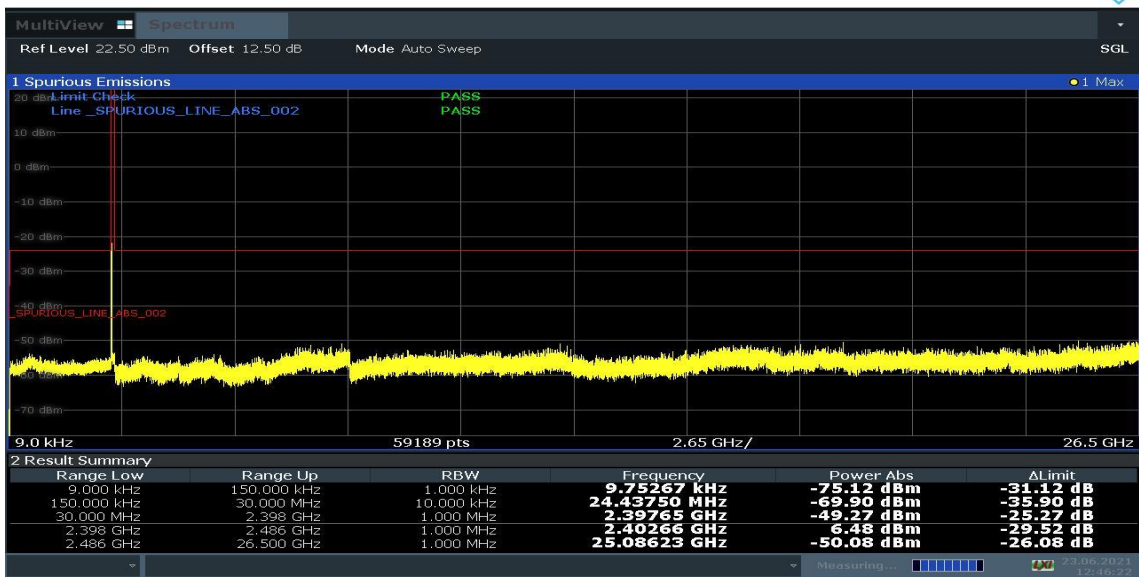
BLE_TM1_Ant1_2480_0.009~26500



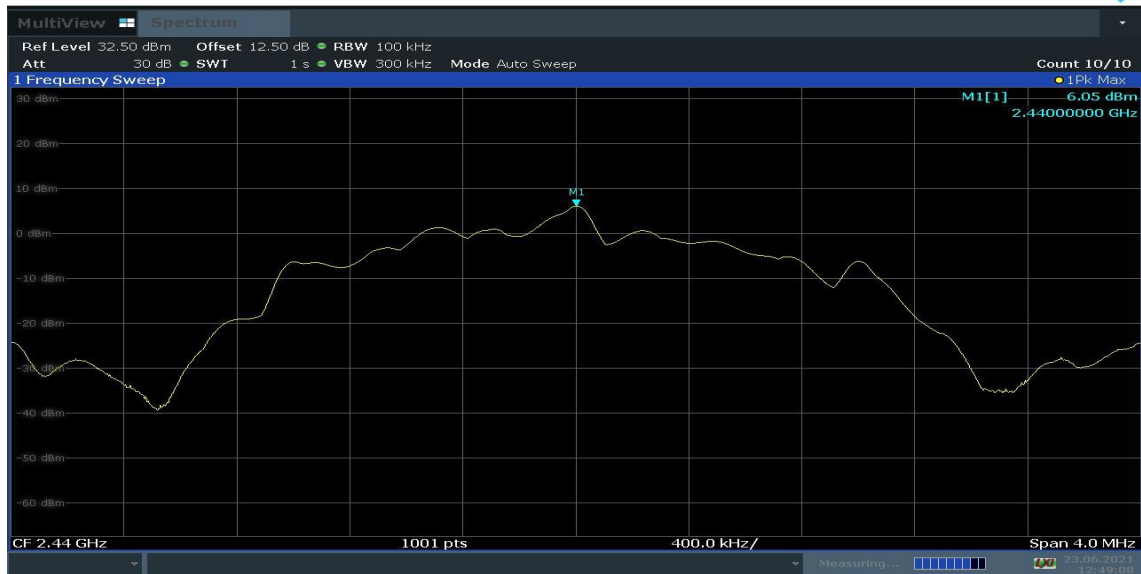
BLE_TM2_Ant1_2402_0~Reference



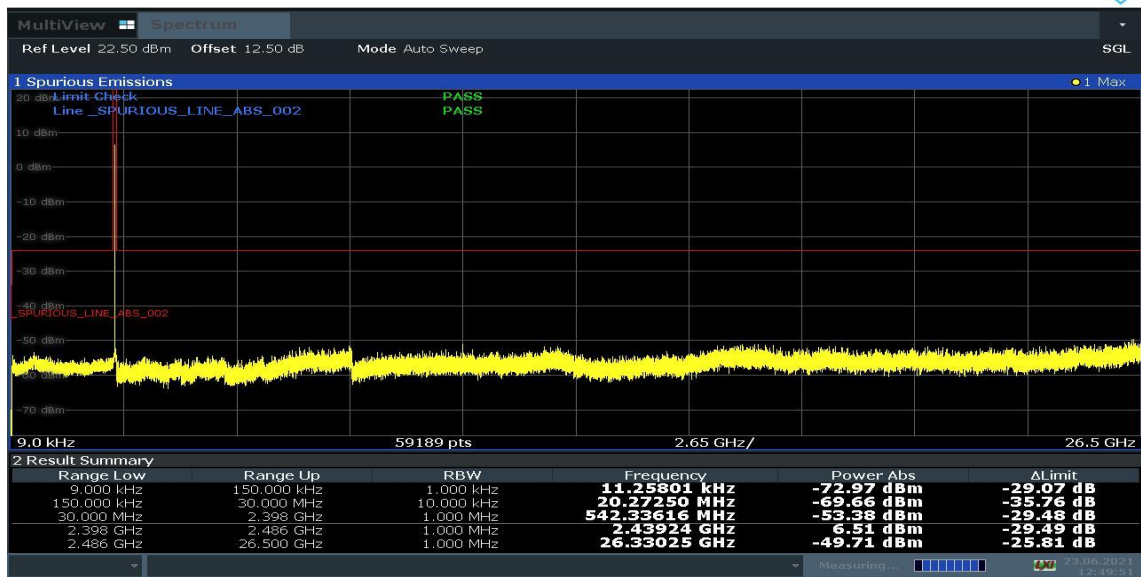
BLE_TM2_Ant1_2402_0.009~26500



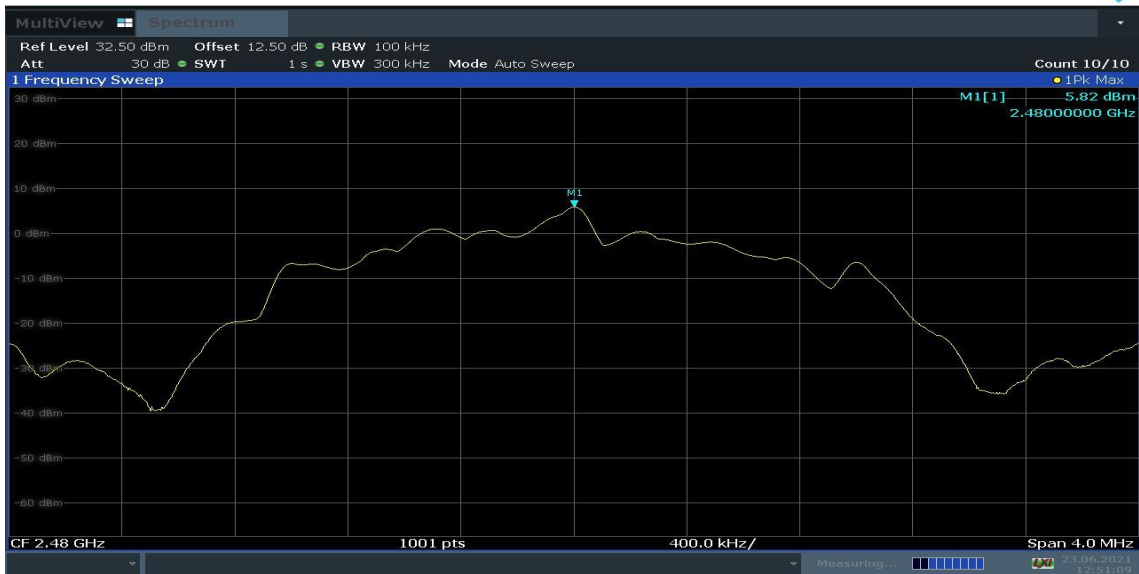
BLE_TM2_Ant1_2440_0~Reference



BLE_TM2_Ant1_2440_0.009~26500



BLE_TM2_Ant1_2480_0~Reference



BLE_TM2_Ant1_2480_0.009~26500



8. Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note:

1. We tested all modes & antennas, the data presented below is the worst case.
2. The simultaneous transmission has been considered
3. The whole testing range is from “9 KHz to 26.5 GHz (10th harmonics)” is divided into 5 parts according to the test site settings, which are:
 - (Part 1): Test range of “9 KHz to 30 MHz”, RBW =9 kHz, VBW = 30 kHz
 - (Part 2): Test range of “30 GHz to 1 GHz”, RBW = 100 kHz, VBW = 300 kHz.
 - (Part 3): Test range of “1 GHz to 3 GHz”. RBW = 1 MHz, VBW = 3 MHz.
 - (Part 4): Test range of “3 GHz to 18 GHz”, RBW = 1 MHz, VBW = 3 MHz.
 - (Part 5): Test range of “18 GHz to 26.5 GHz”. RBW = 1 MHz, VBW = 3 MHz.

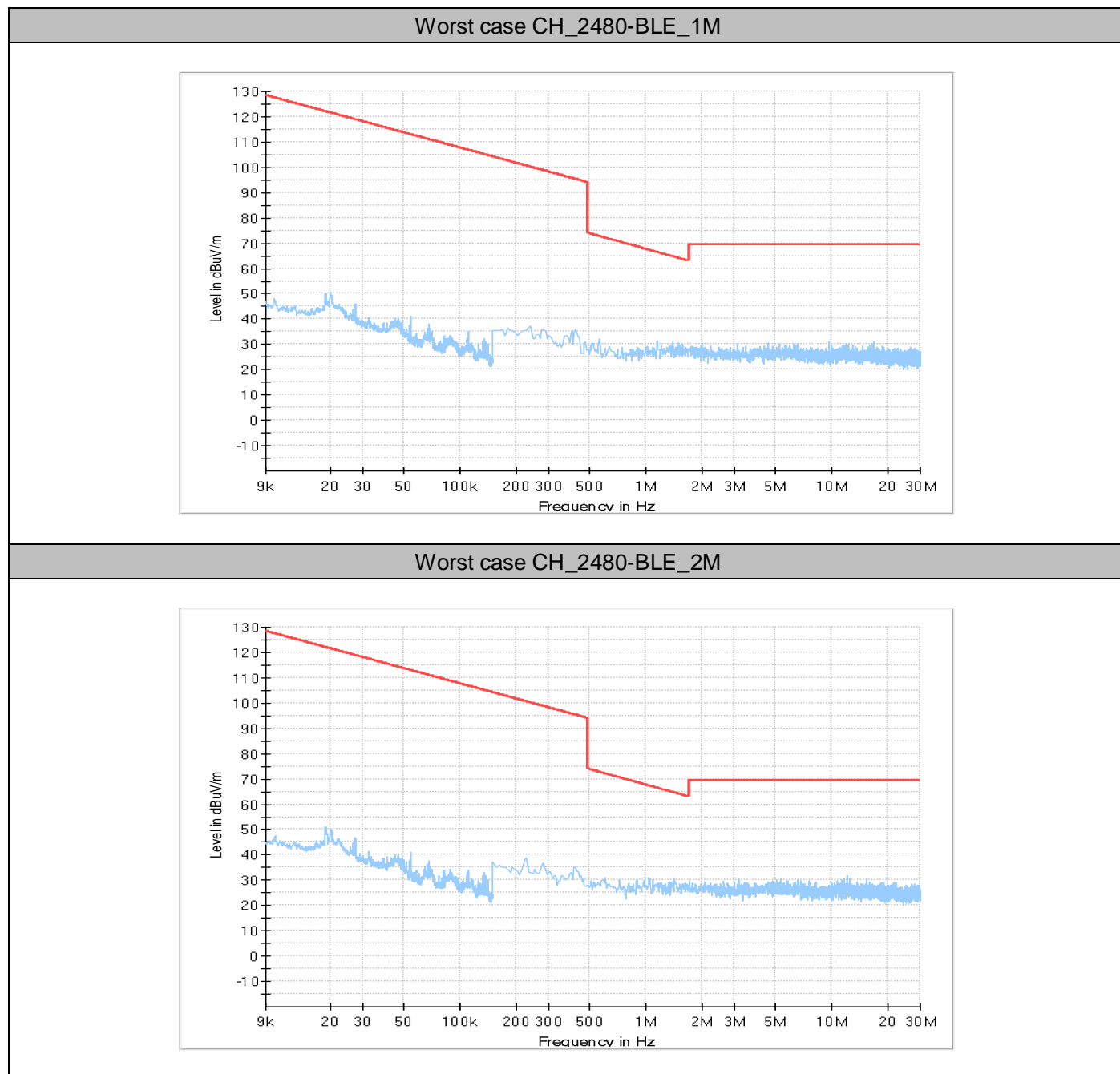
8.1 Test Results

Test Mode	Antenna	Test Channel	Spurious Emissions Result	Spurious Emissions Limit	Verdict
TM1_BLE_1M	Ant1	2402	(see Test Graphs)	(see Test Graphs)	PASS
	Ant1	2480	(see Test Graphs)	(see Test Graphs)	PASS
TM2_BLE_2M	Ant1	2402	(see Test Graphs)	(see Test Graphs)	PASS
	Ant1	2480	(see Test Graphs)	(see Test Graphs)	PASS

8.2 Test Graphs

8.2.1 Part 1: Testing Range of “9 kHz to 30MHz”

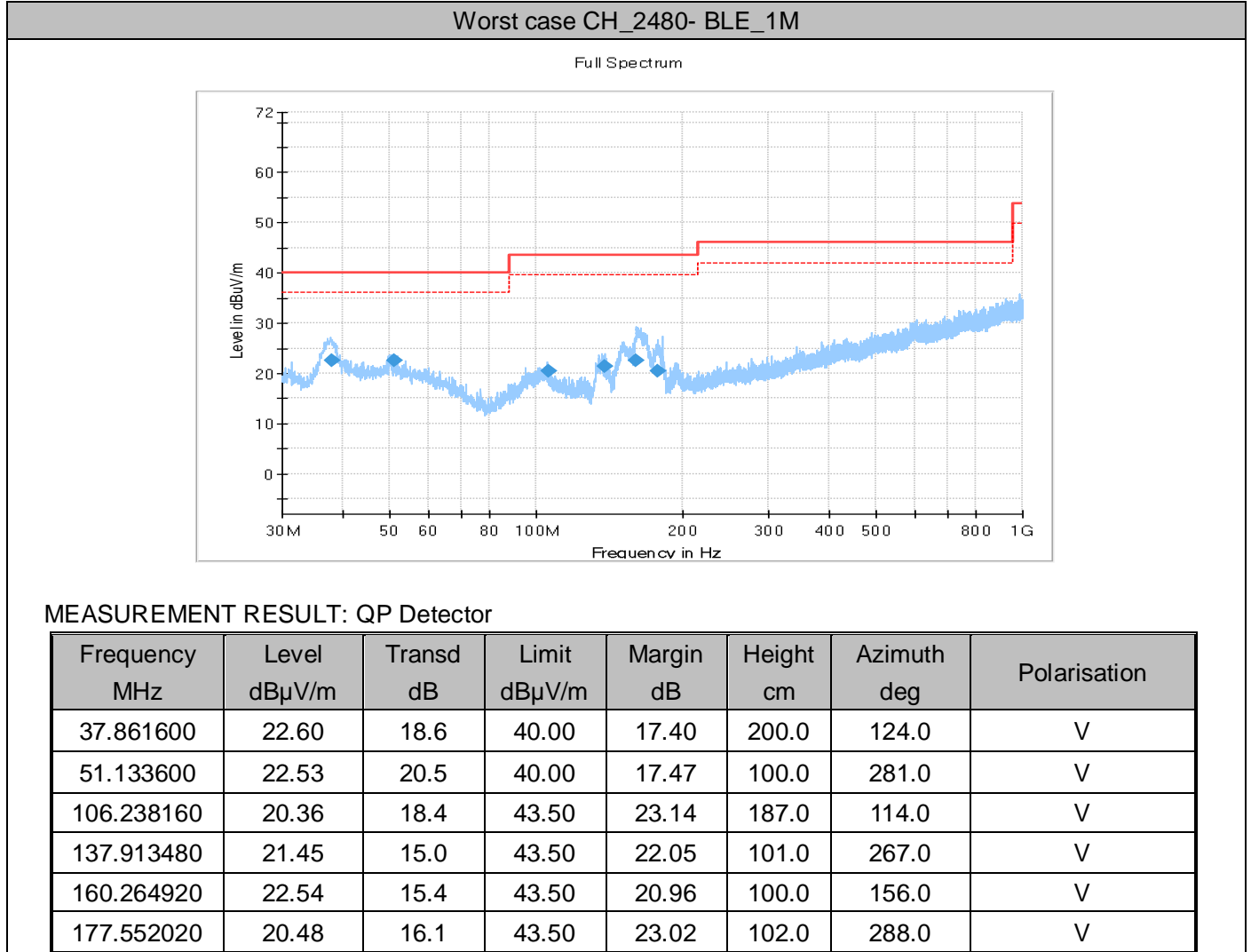
Note 1: The test results and plot for testing range of “9 kHz to 30MHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.



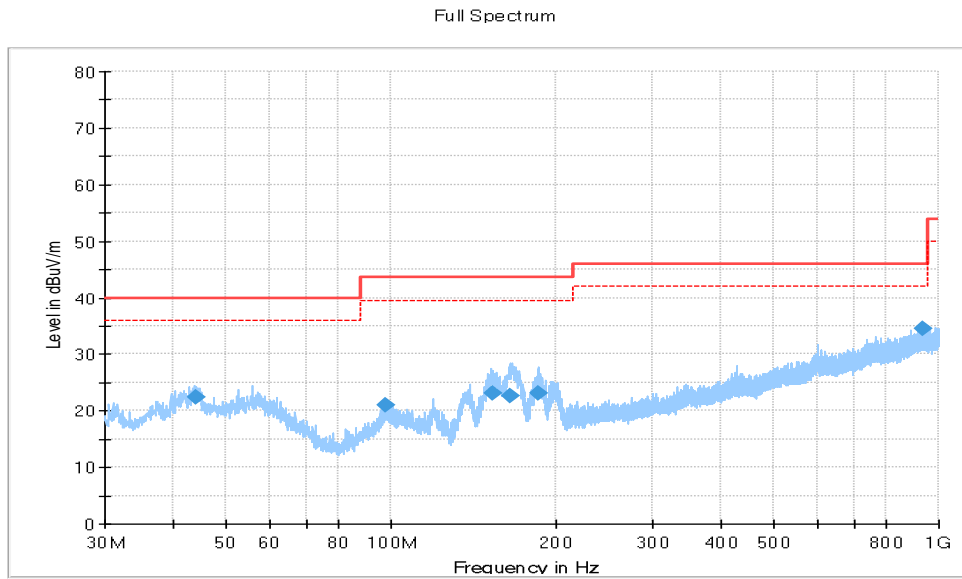
8.2.2 Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



Worst case CH_2480- BLE_2M



MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBuV/m	Transd dB	Limit dBuV/m	Margin dB	Height cm	Azimuth deg	Polarisation
44.054560	22.38	20.3	40.00	17.62	101.0	312.0	V
97.801480	20.90	18.4	43.50	22.60	101.0	313.0	V
153.652660	23.15	15.0	43.50	20.35	100.0	170.0	V
165.166840	22.71	15.6	43.50	20.79	100.0	134.0	V
186.351880	23.14	17.1	43.50	20.36	100.0	257.0	V
935.131100	34.51	31.0	46.00	11.49	167.0	305.0	V

8.2.3 Part 3: Testing Range of “1 GHz to 3 GHz”

Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands. The test results and plot for testing range of “1 GHz to 3 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).

Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

8.2.3.1 TM1_BLE_1M

