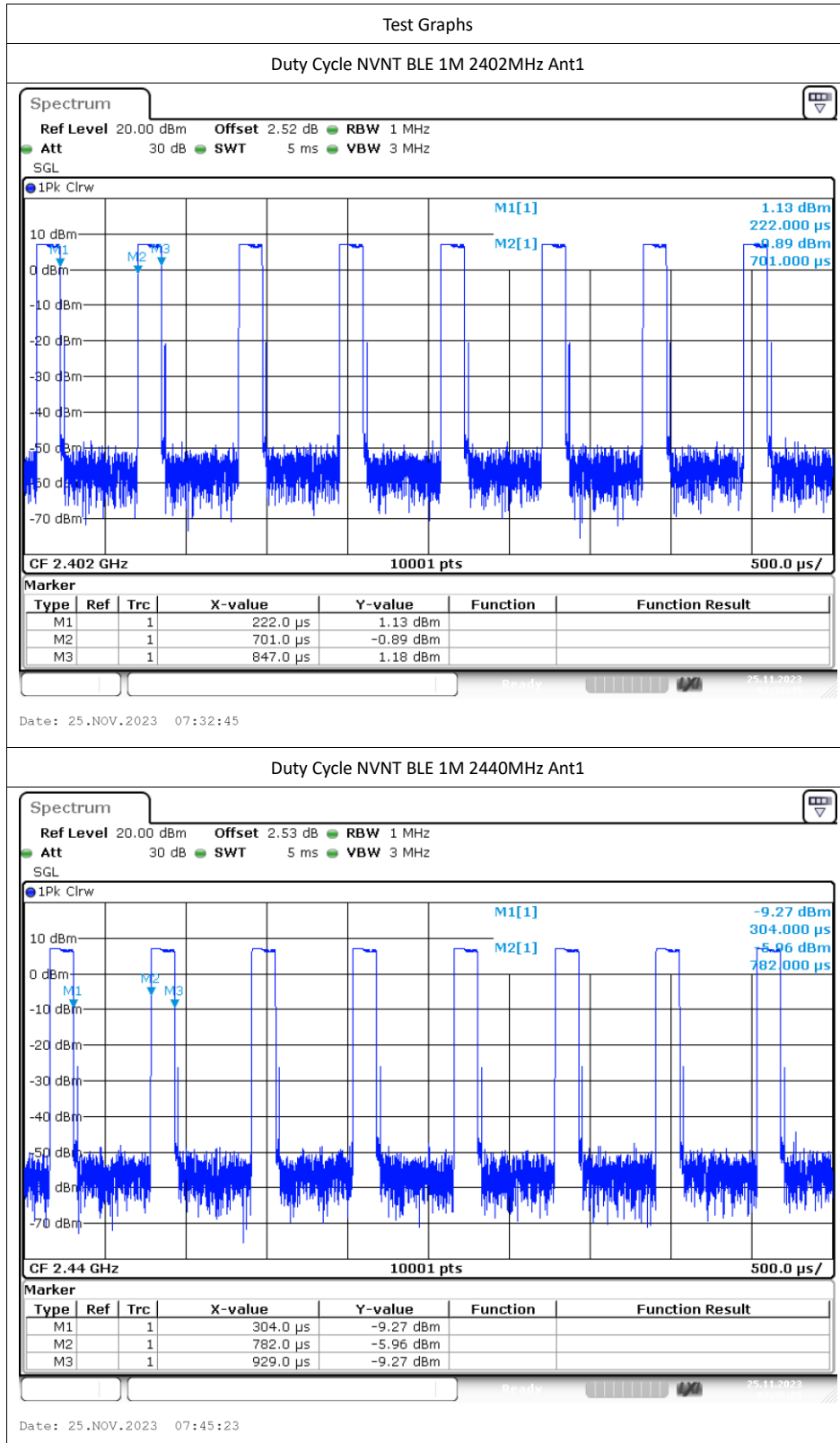
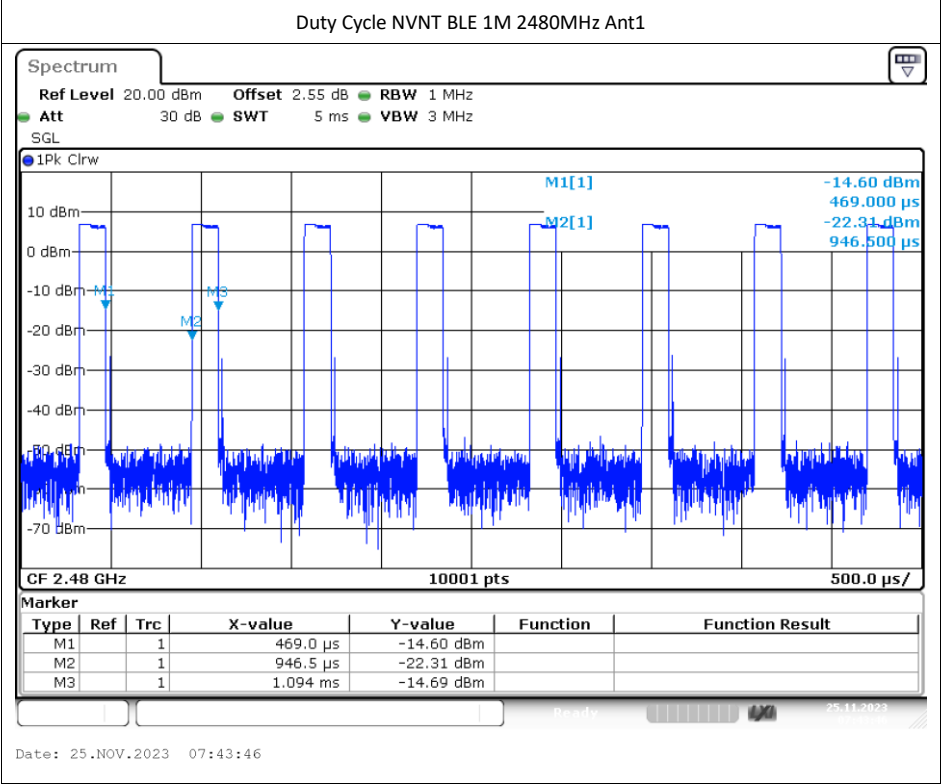


Appendix B

Duty Cycle

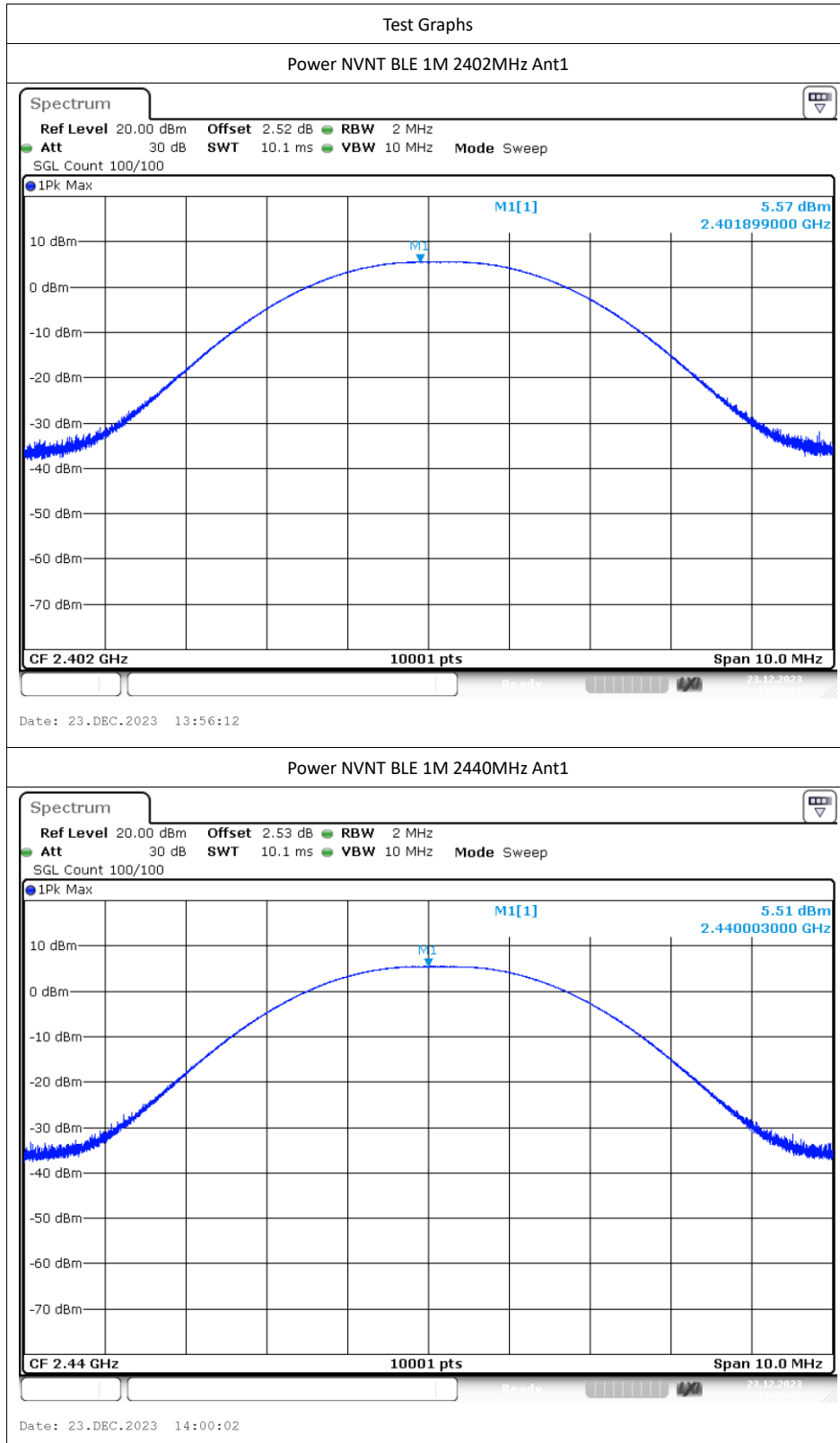
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	BLE 1M	2402	Ant1	0.15	0.63	23.81	6.23	6.85	1
NVNT	BLE 1M	2440	Ant1	0.15	0.63	23.81	6.23	6.8	1
NVNT	BLE 1M	2480	Ant1	0.15	0.62	24.19	6.16	6.78	1

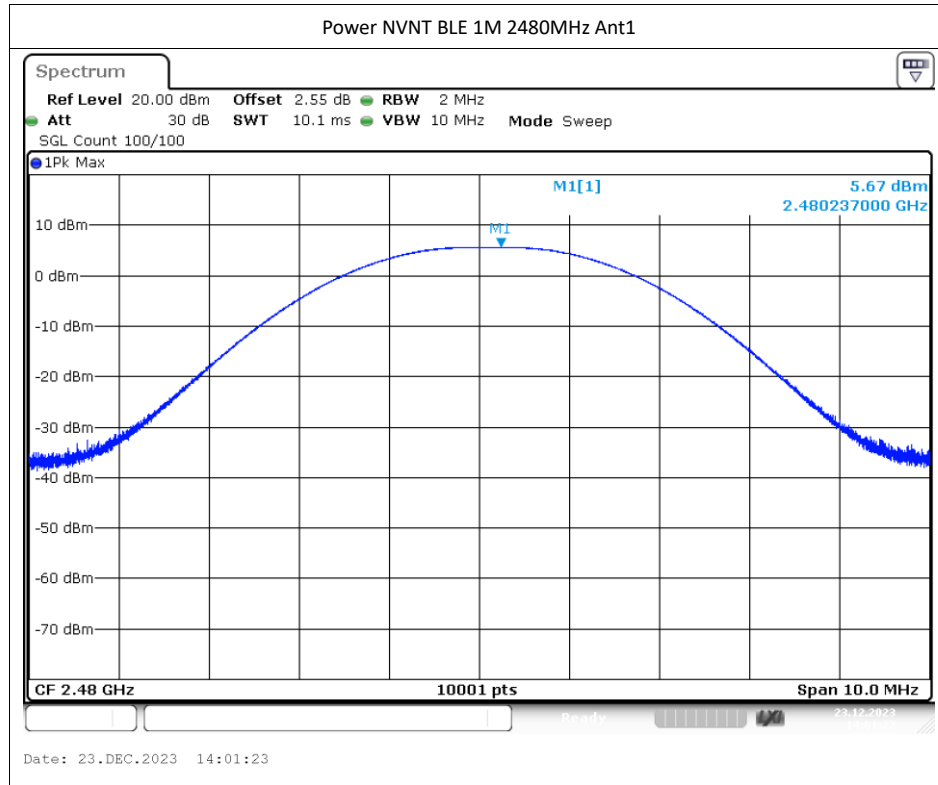




Maximum Conducted Output Power

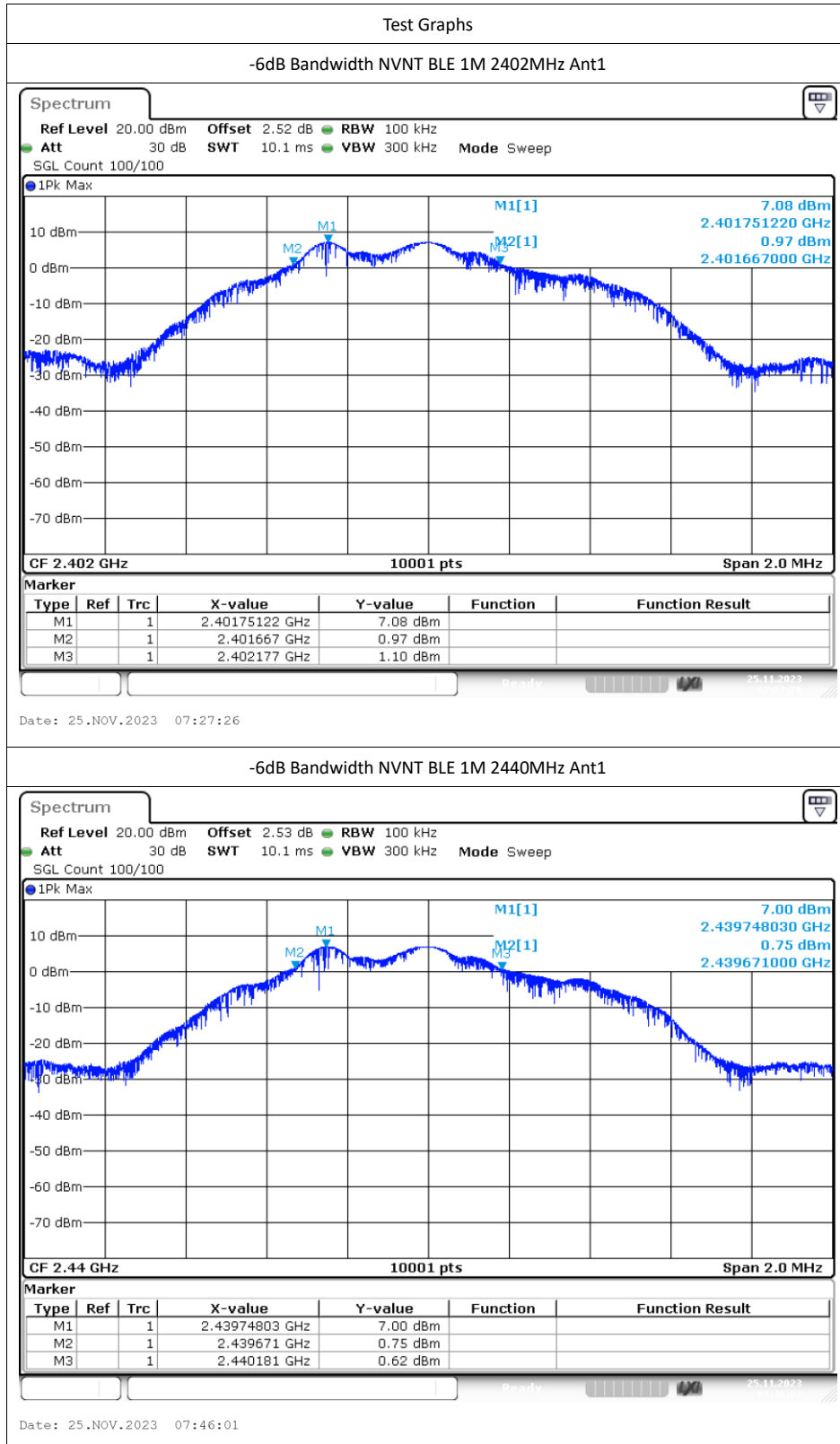
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	5.57	0	5.57	30	Pass
NVNT	BLE 1M	2440	Ant1	5.51	0	5.51	30	Pass
NVNT	BLE 1M	2480	Ant1	5.67	0	5.67	30	Pass

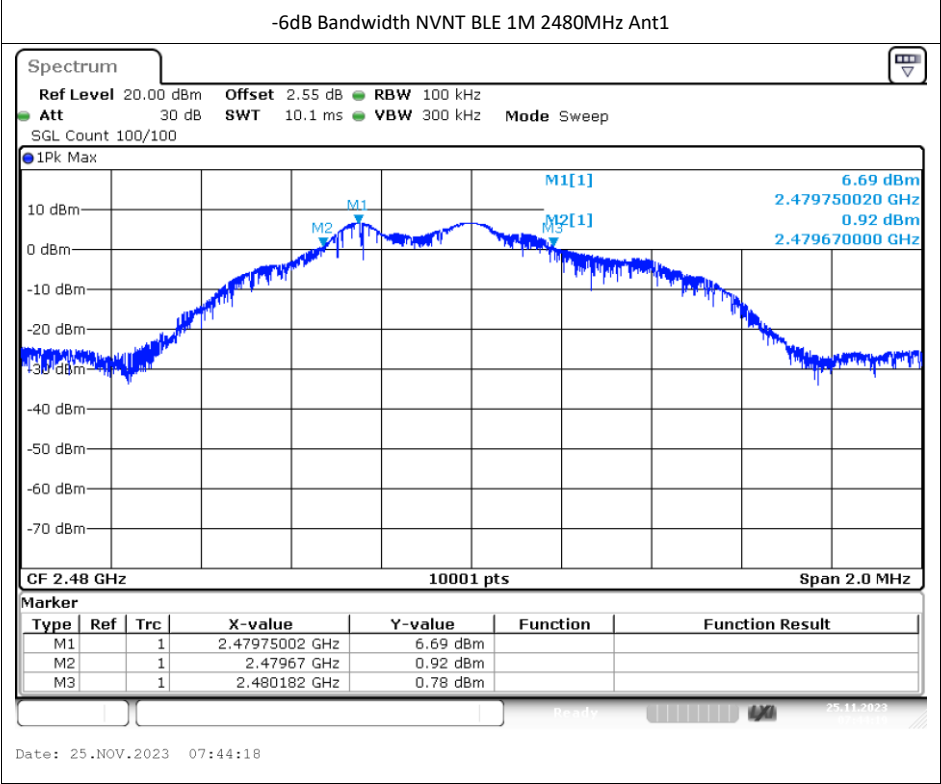




-6dB Bandwidth

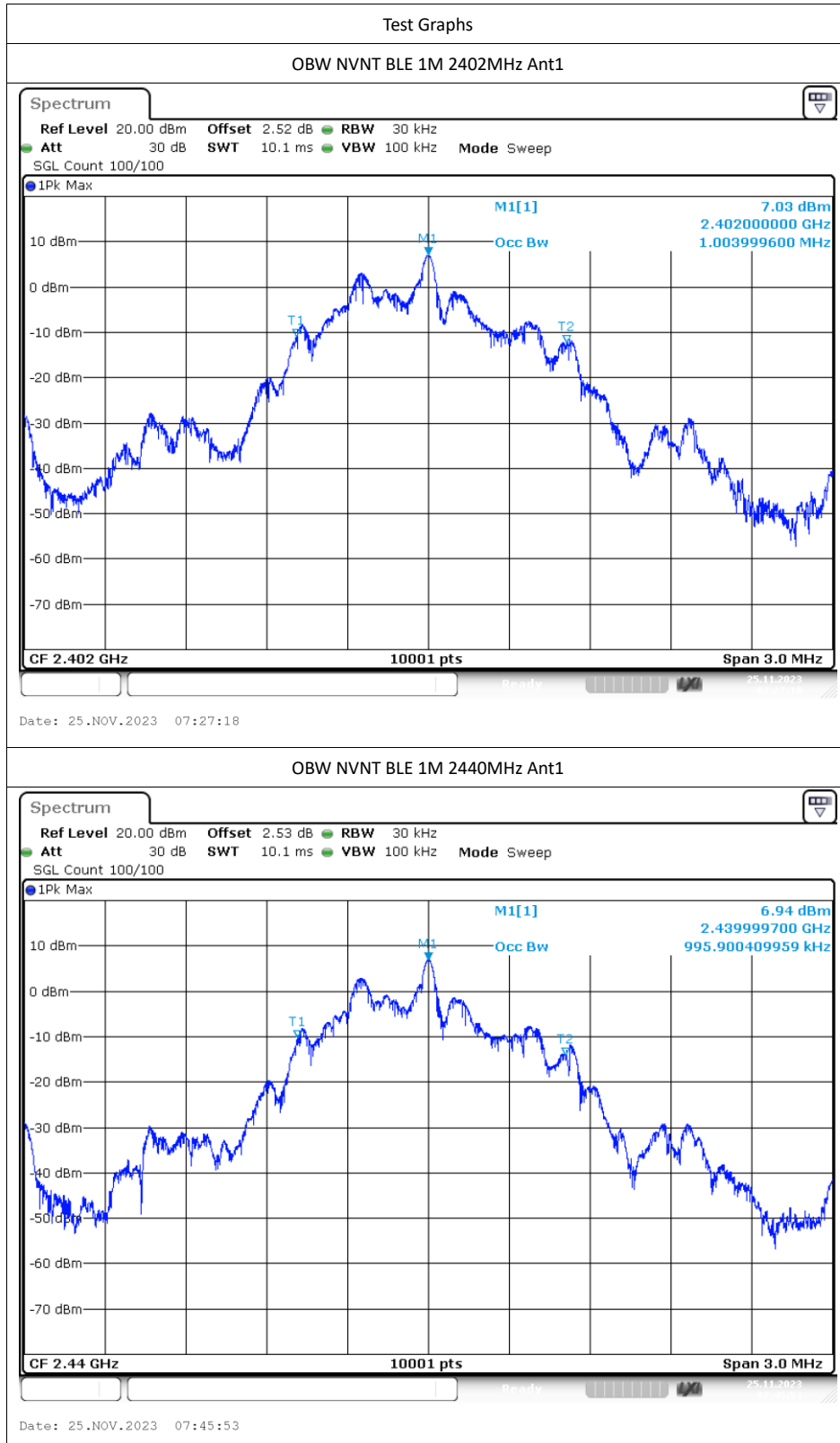
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.51	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.509	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.512	0.5	Pass





Occupied Channel Bandwidth

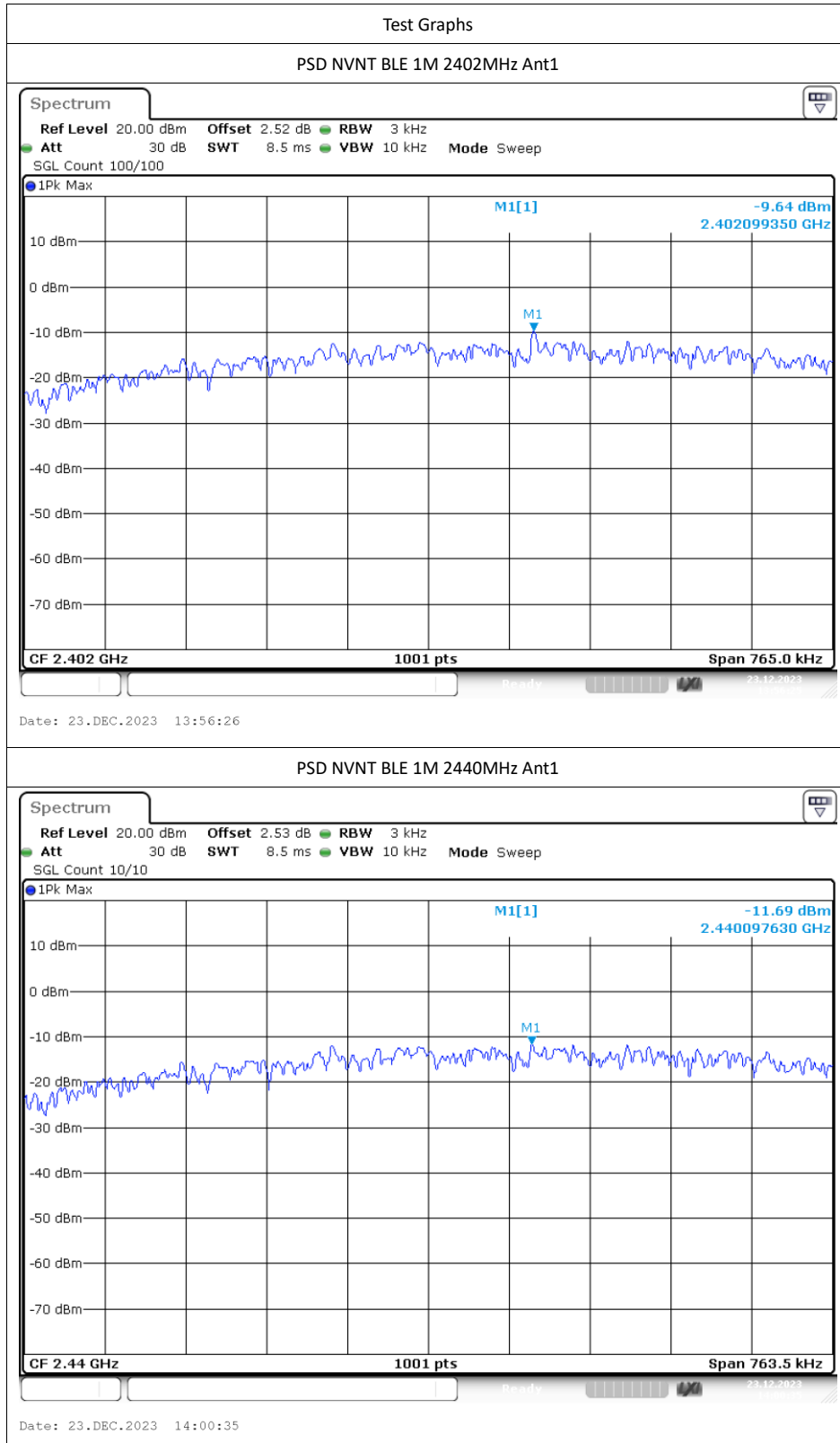
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.004
NVNT	BLE 1M	2440	Ant1	0.996
NVNT	BLE 1M	2480	Ant1	1.003

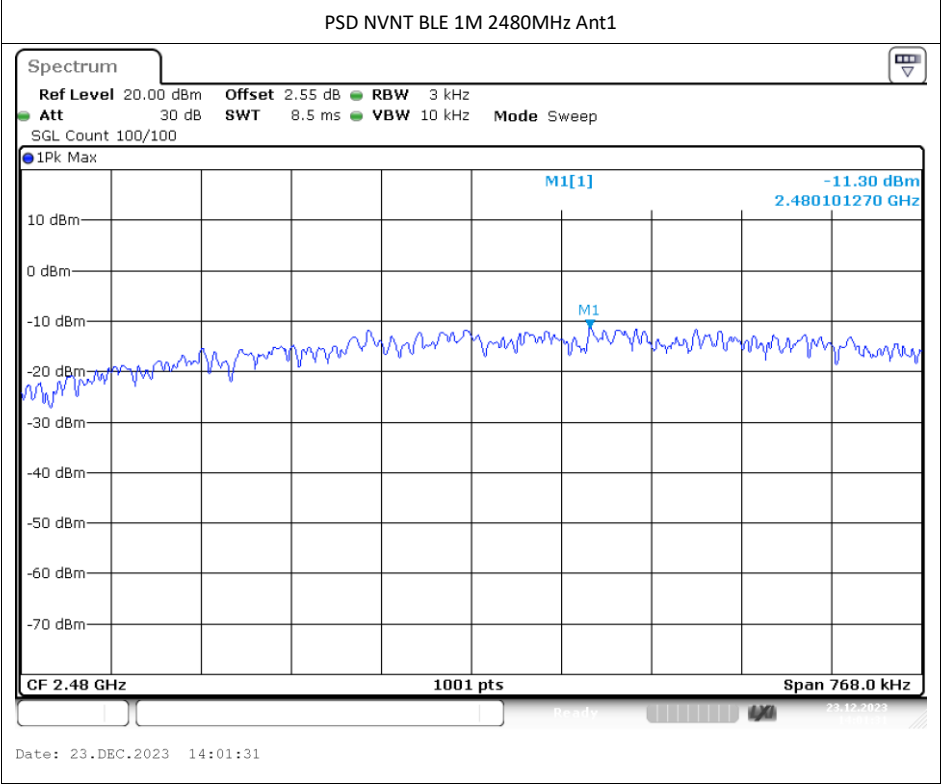




Maximum Power Spectral Density Level

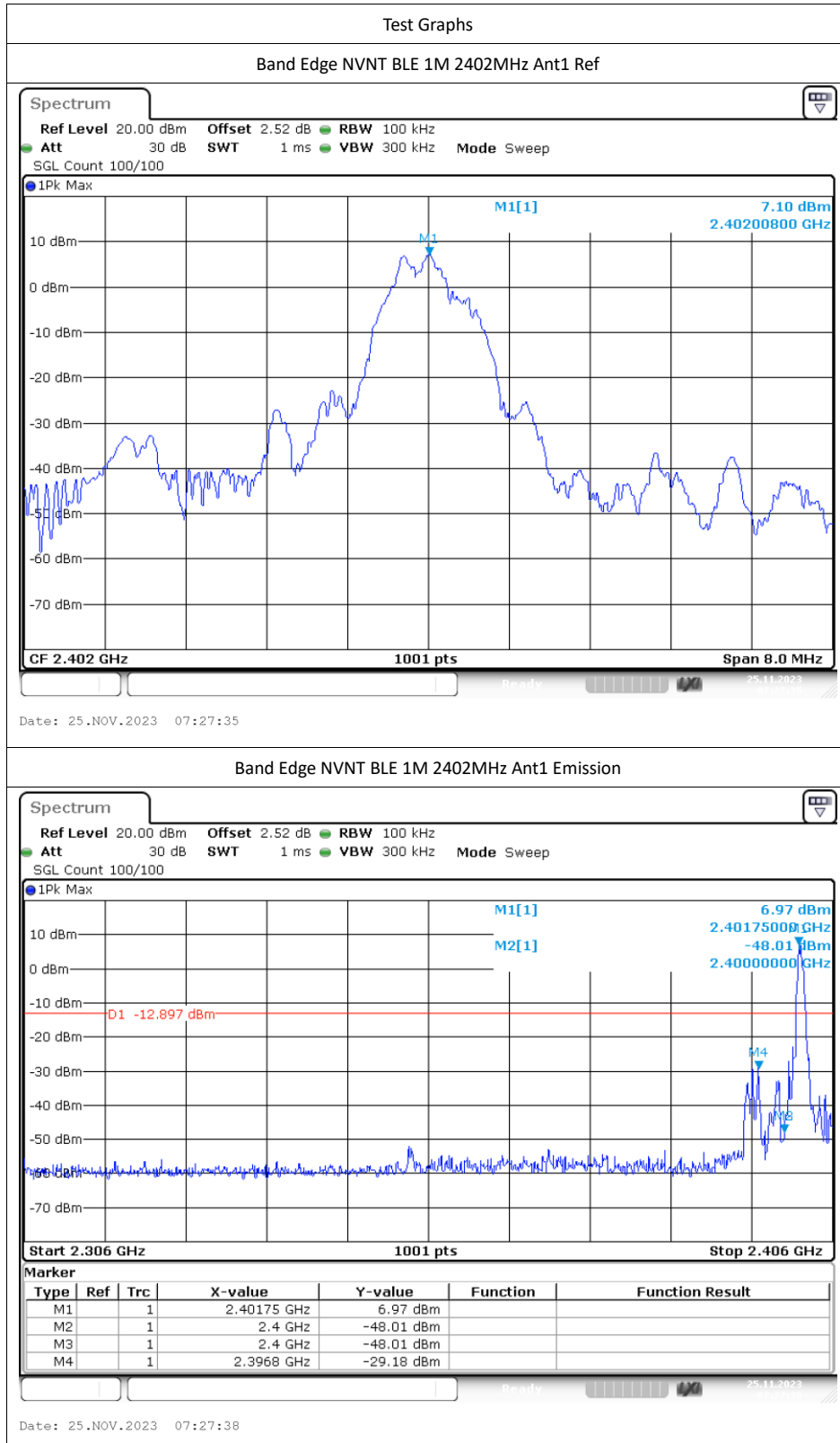
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-9.64	0	-9.64	8	Pass
NVNT	BLE 1M	2440	Ant1	-11.69	0	-11.69	8	Pass
NVNT	BLE 1M	2480	Ant1	-11.3	0	-11.3	8	Pass

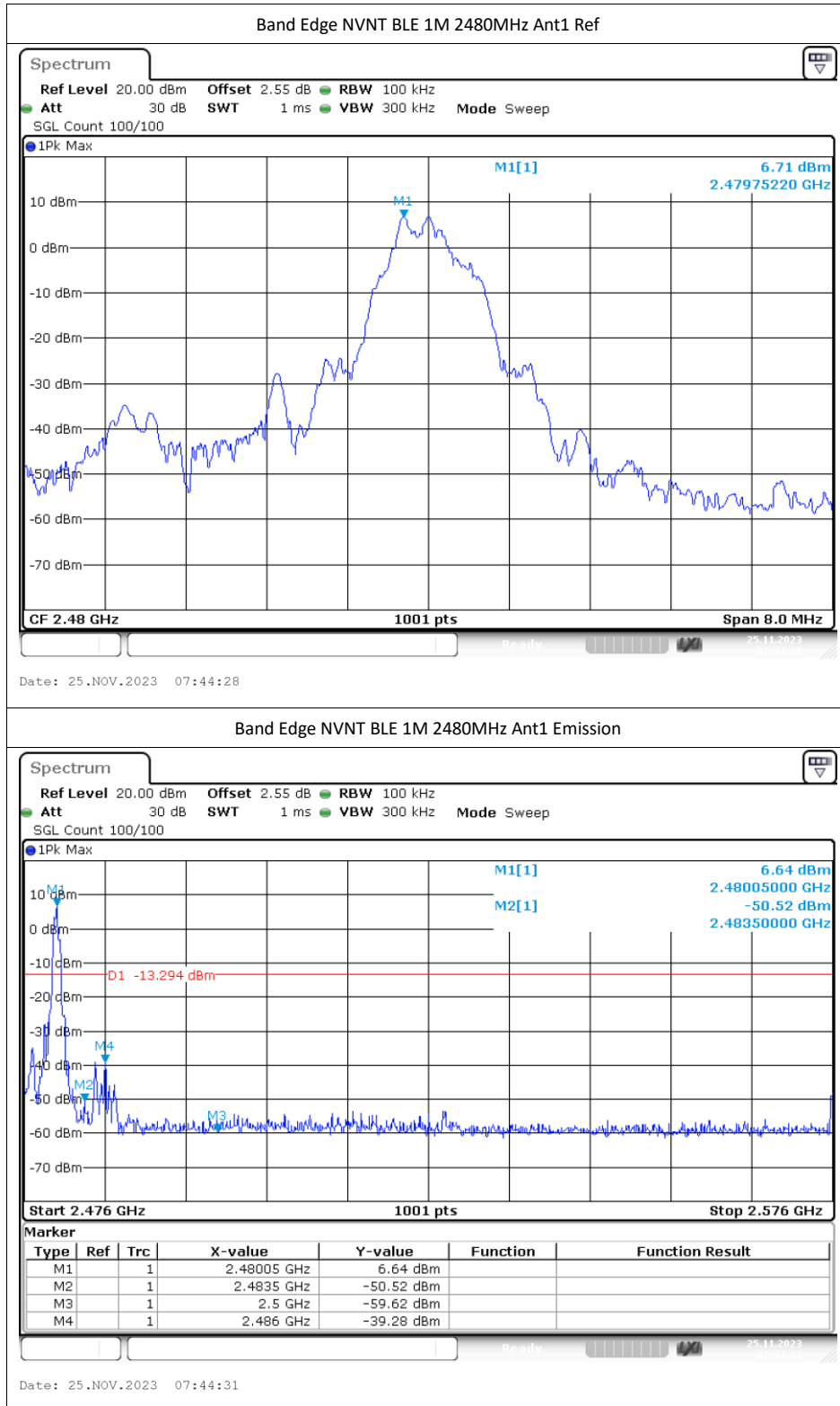




Band Edge

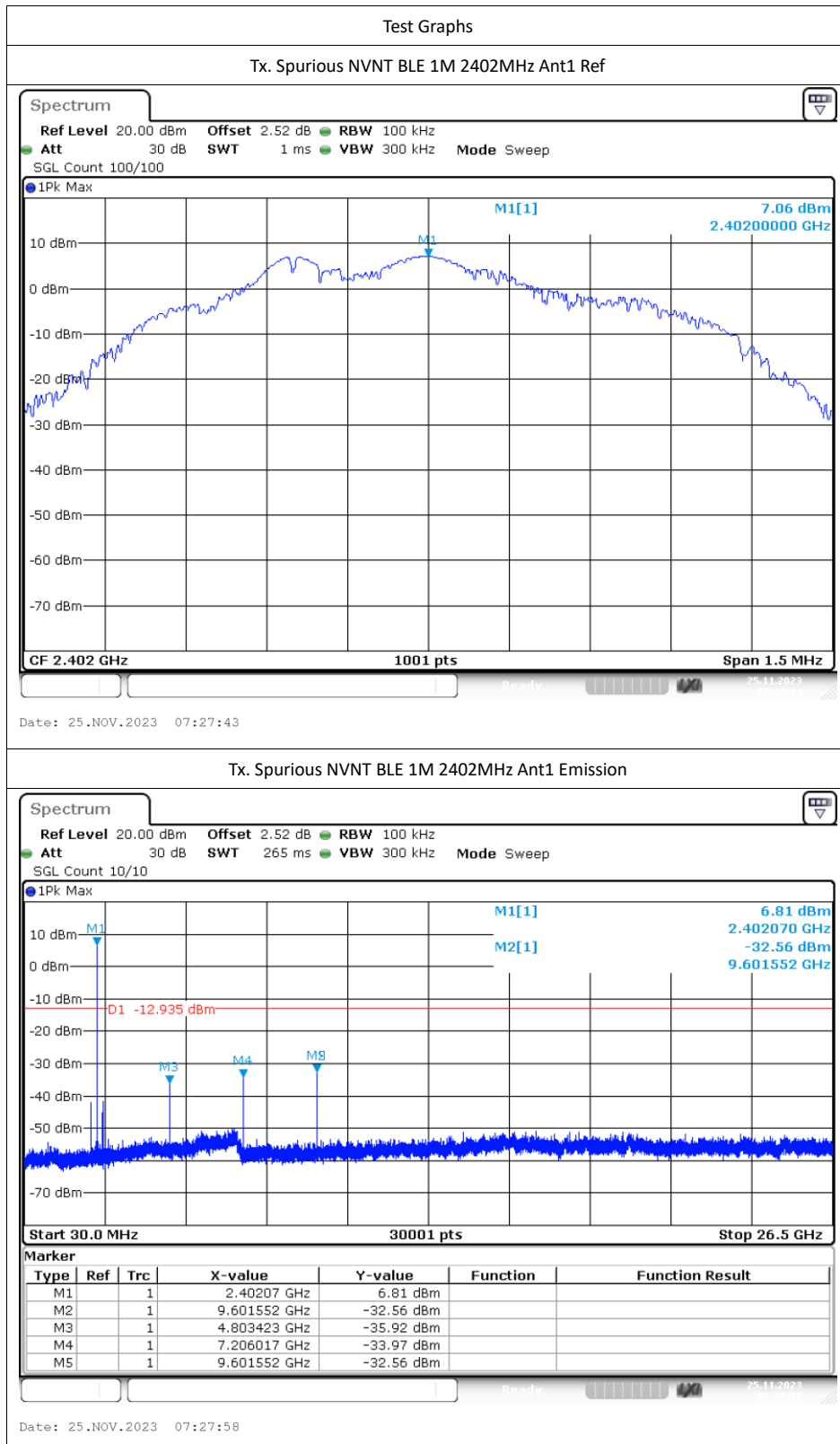
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-36.27	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.99	-20	Pass

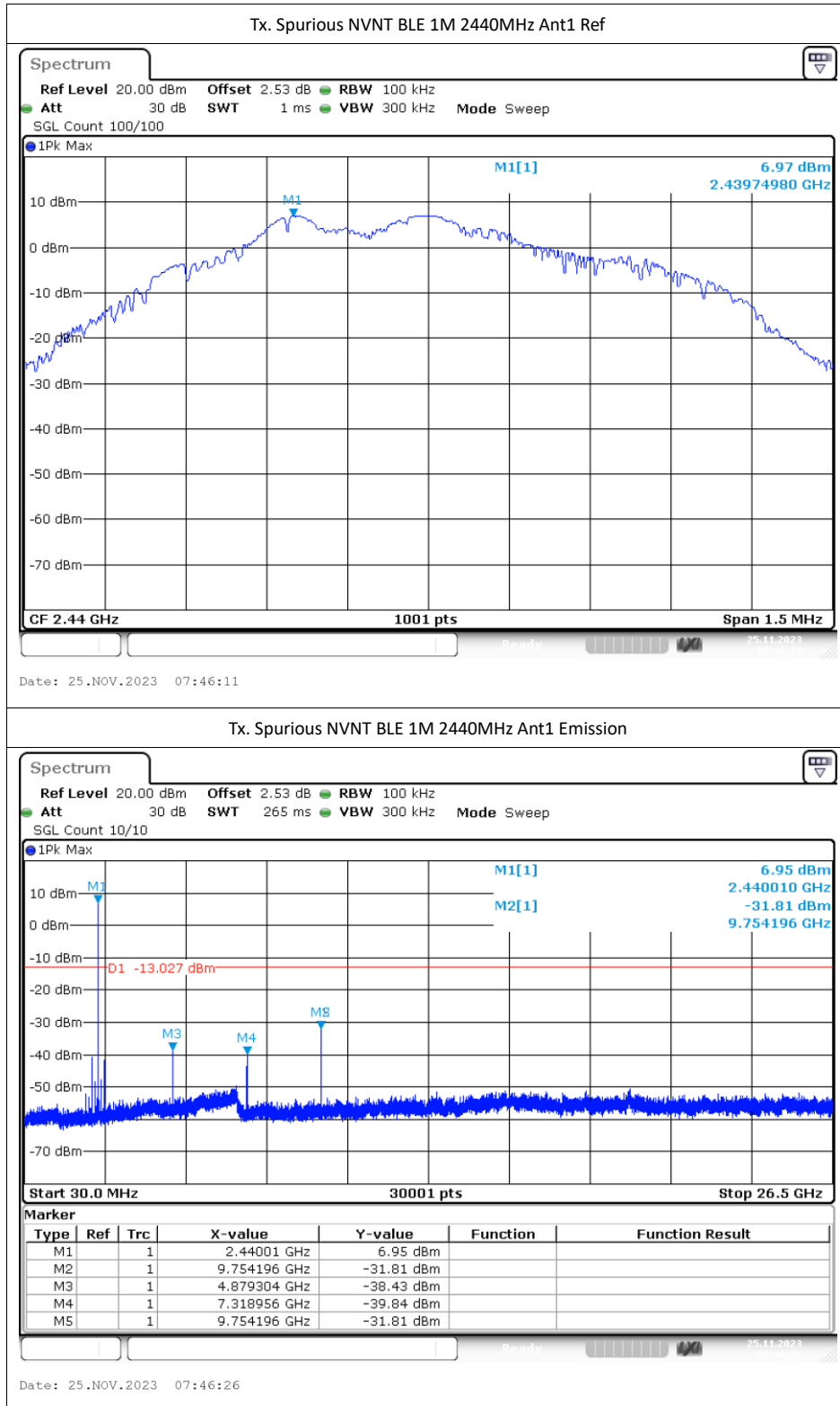


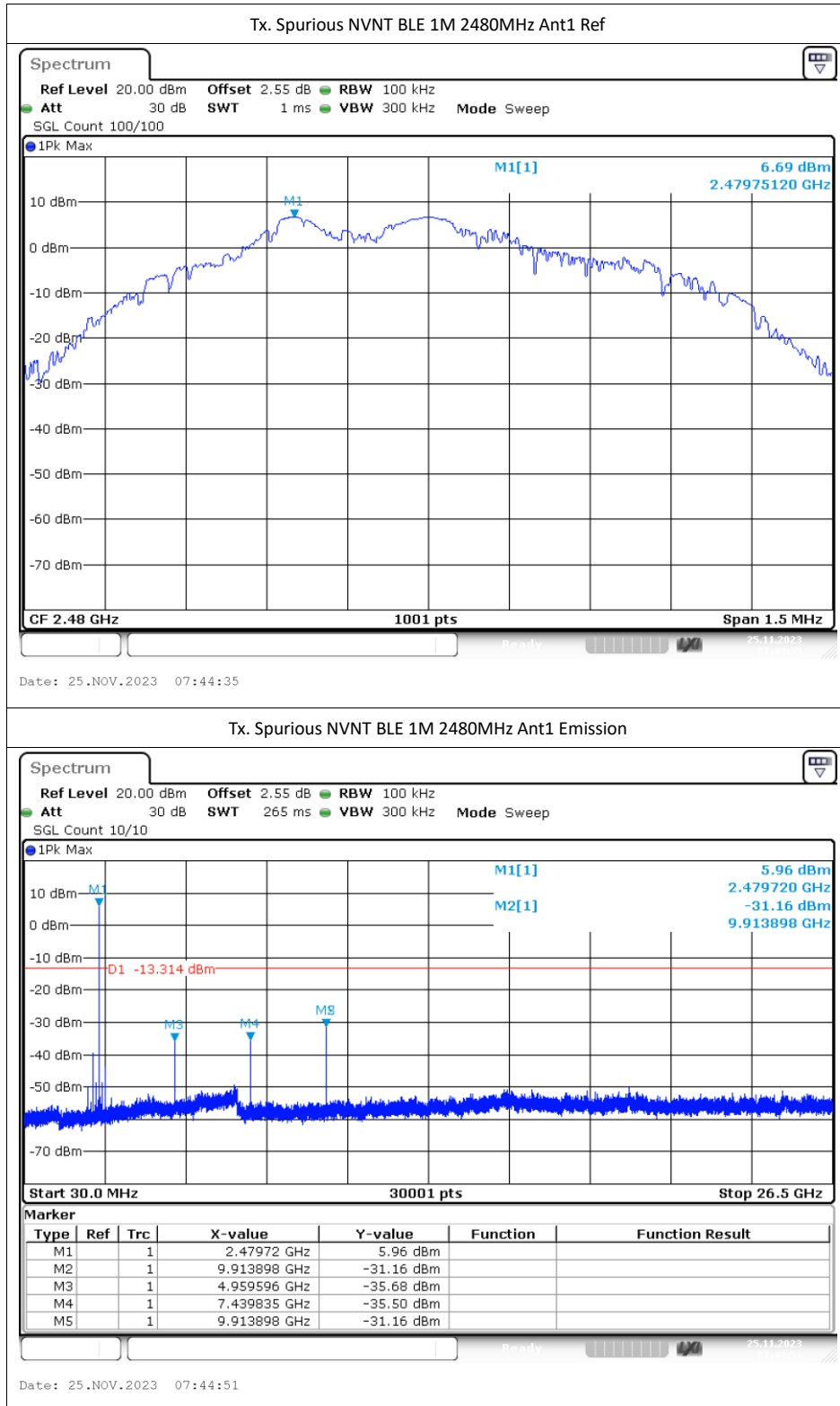


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.61	-20	Pass
NVNT	BLE 1M	2440	Ant1	-38.77	-20	Pass
NVNT	BLE 1M	2480	Ant1	-37.84	-20	Pass





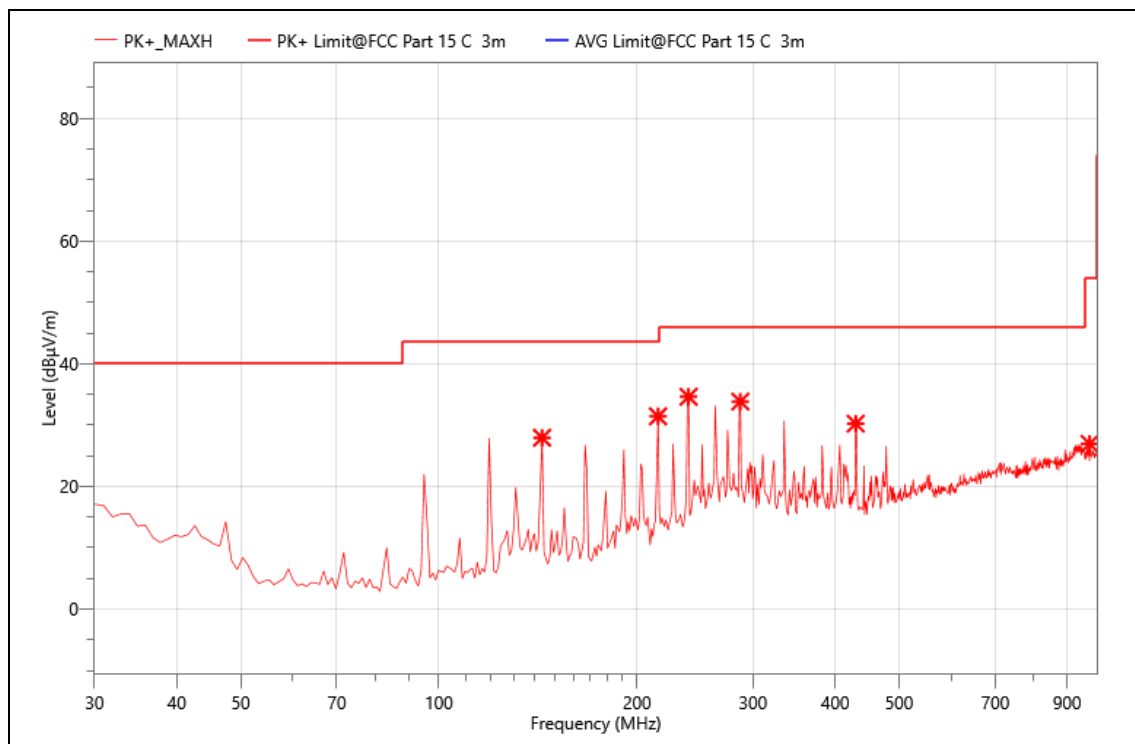


RADIATED TEST RESULTS

The data of the mode (BLE 2402) are recorded in the following pages.

The worst result as bellow:

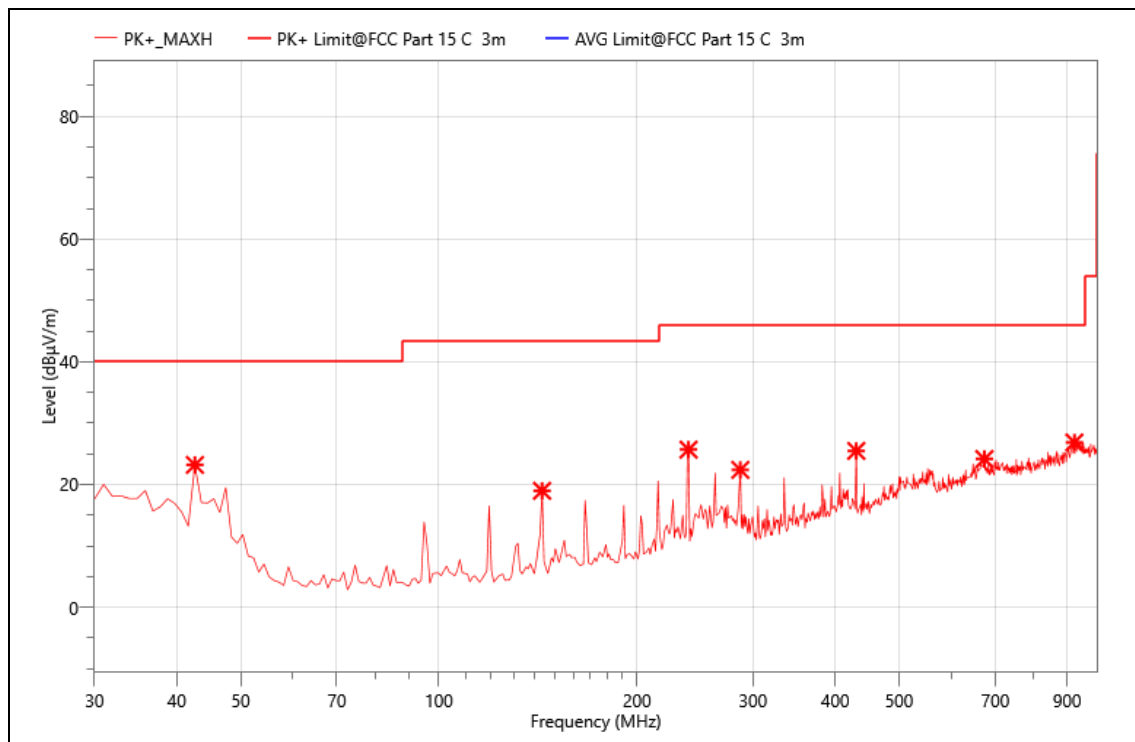
EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	143.490	51.46	27.94	43.50	15.56	PK+	H	-23.52
2	215.270	52.44	31.44	43.50	12.06	PK+	H	-21
3	239.520	54.28	34.62	46.00	11.38	PK+	H	-19.66
4	287.050	53.38	33.84	46.00	12.16	PK+	H	-19.54
5	429.640	44.34	30.24	46.00	15.76	PK+	H	-14.1
6	973.810	30.68	26.95	53.90	26.95	PK+	H	-3.73

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



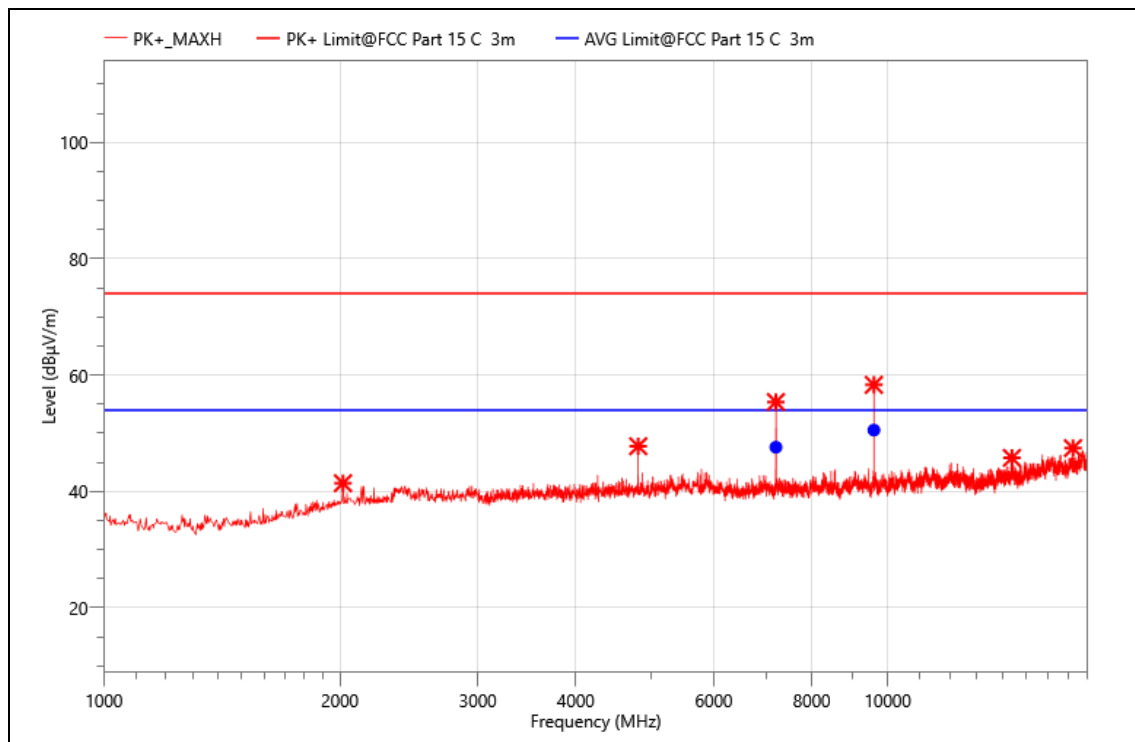
Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	42.610	44.67	23.21	40.00	16.79	PK+	V	-21.46
2	143.490	42.50	18.98	43.50	24.52	PK+	V	-23.52
3	239.520	45.36	25.70	46.00	20.30	PK+	V	-19.66
4	287.050	41.94	22.40	46.00	23.60	PK+	V	-19.54
5	430.610	39.64	25.49	46.00	20.51	PK+	V	-14.15
6	674.080	32.09	24.17	46.00	21.83	PK+	V	-7.92
7	923.370	30.19	26.87	46.00	19.13	PK+	V	-3.32

Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- Amp. Factor

Above 1000MHz~10th Harmonics:

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



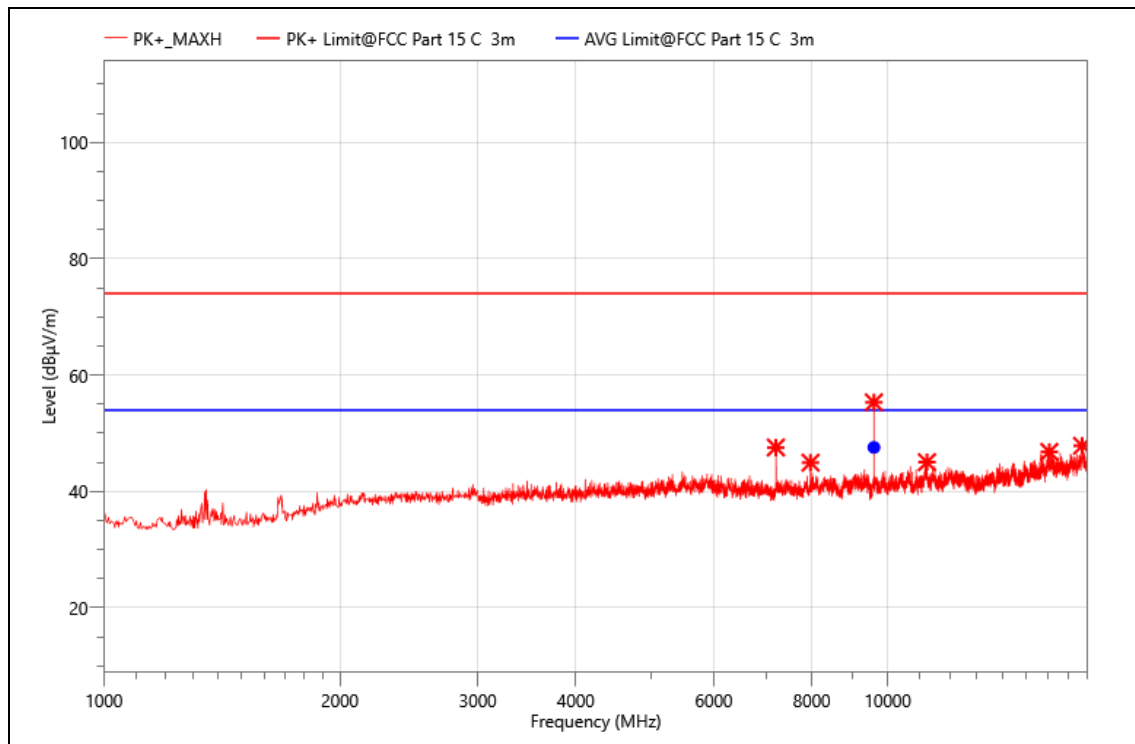
Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	2018.000	59.78	41.41	74.00	32.59	PK+	H	-18.37
2	4804.500	59.14	47.77	74.00	26.23	PK+	H	-11.37
3	7200.000	63.23	55.36	74.00	18.64	PK+	H	-7.87
4	9601.500	65.01	58.32	74.00	15.68	PK+	H	-6.69
5	14403.000	49.12	45.76	74.00	28.24	PK+	H	-3.36
6	17233.500	48.51	47.44	74.00	26.56	PK+	H	-1.07

Final_Result

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)	Verdict
1	7200.000	55.46	47.59	53.90	6.31	AVG	H	-7.87	PASS
2	9601.500	57.23	50.54	53.90	3.36	AVG	H	-6.69	PASS

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



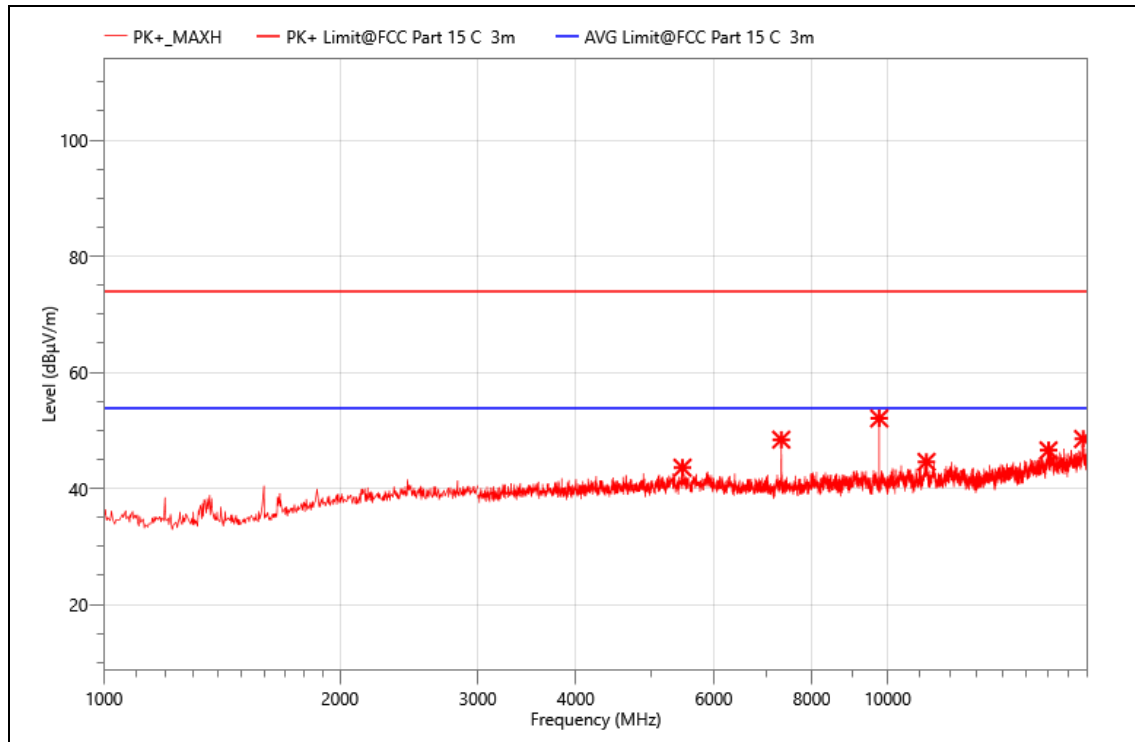
Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	7200.000	55.42	47.55	74.00	26.45	PK+	V	-7.87
2	7971.000	53.16	44.94	74.00	29.06	PK+	V	-8.22
3	9601.500	62.01	55.32	74.00	18.68	PK+	V	-6.69
4	11221.500	48.62	45.03	74.00	28.97	PK+	V	-3.59
5	16077.000	48.35	46.79	74.00	27.21	PK+	V	-1.56
6	17707.500	47.66	47.84	74.00	26.16	PK+	V	0.18

Final_Result

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)	Verdict
1	9601.500	54.25	47.56	53.90	6.34	AVG	V	-6.69	PASS

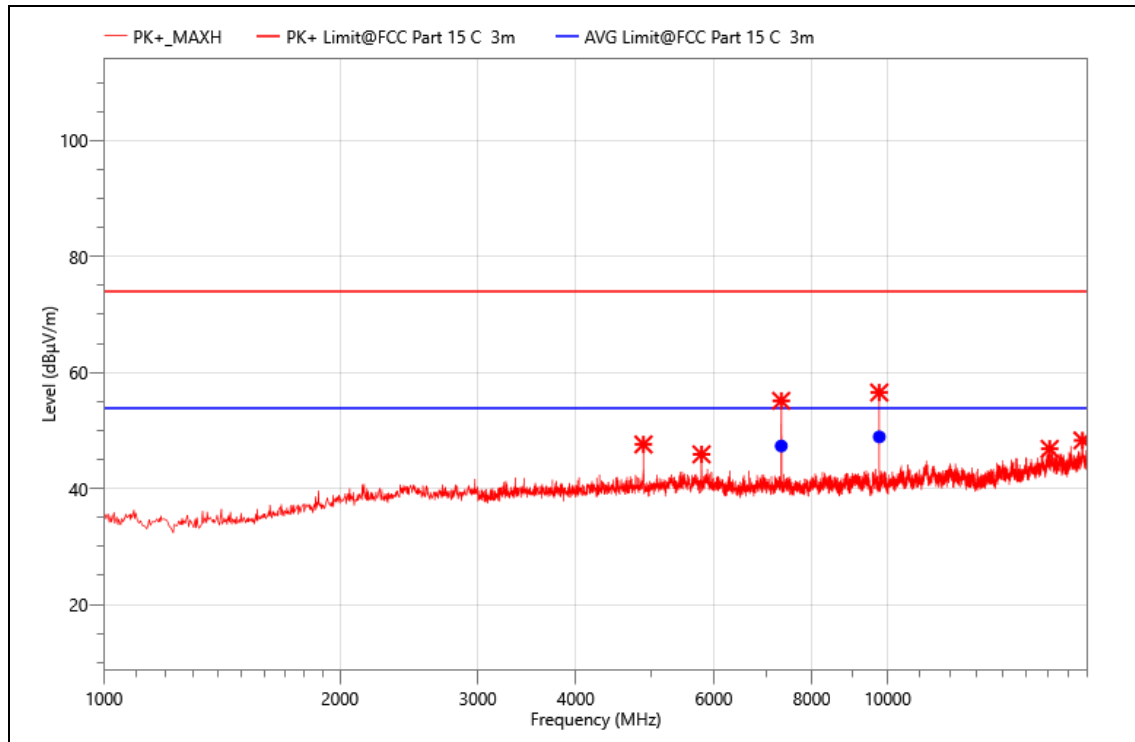
EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2440
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	5472.000	52.96	43.58	74.00	30.42	PK+	V	-9.38
2	7314.000	56.34	48.40	74.00	25.60	PK+	V	-7.94
3	9754.500	58.97	52.07	74.00	21.93	PK+	V	-6.9
4	11208.000	48.21	44.58	74.00	29.42	PK+	V	-3.63
5	16039.500	48.14	46.57	74.00	27.43	PK+	V	-1.57
6	17758.500	48.29	48.53	74.00	25.47	PK+	V	0.24

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2440
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



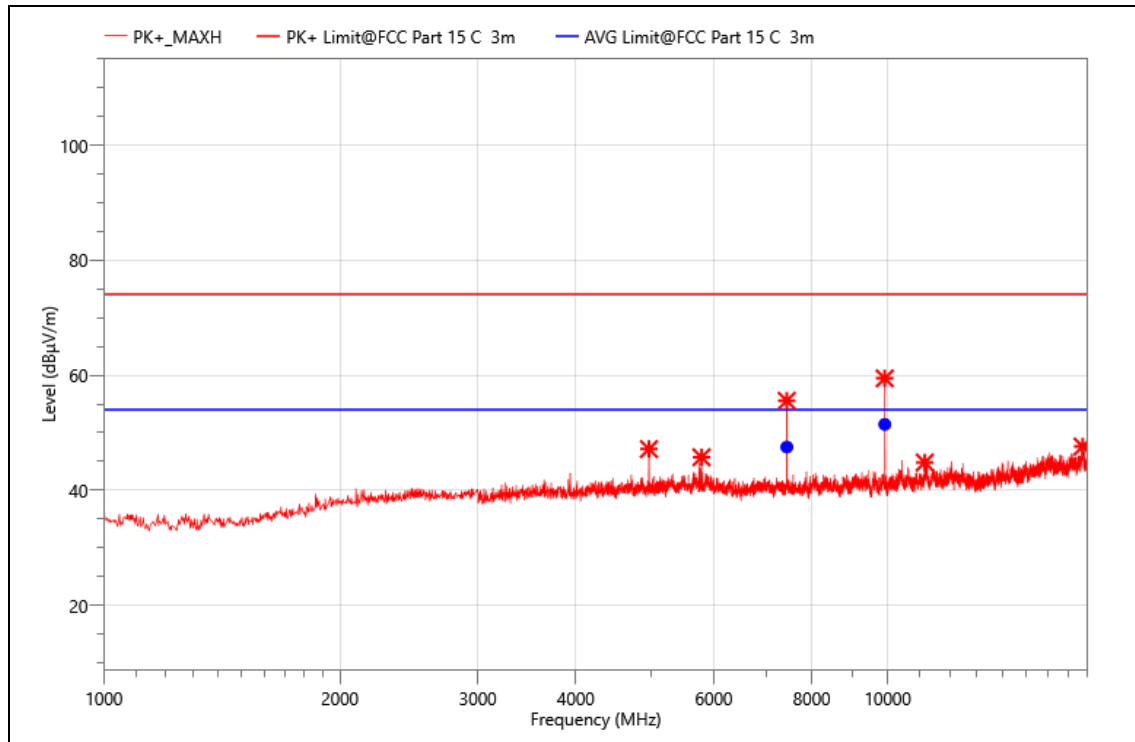
Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	4879.500	58.55	47.60	74.00	26.40	PK+	H	-10.95
2	5787.000	55.15	45.89	74.00	28.11	PK+	H	-9.26
3	7314.000	63.06	55.12	74.00	18.88	PK+	H	-7.94
4	9754.500	63.44	56.54	74.00	17.46	PK+	H	-6.9
5	16096.500	48.33	46.84	74.00	27.16	PK+	H	-1.49
6	17721.000	47.85	48.29	74.00	25.71	PK+	H	0.44

Final_Result

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)	Verdict
1	7314.000	55.27	47.33	53.90	6.57	AVG	H	-7.94	PASS
2	9754.500	55.80	48.90	53.90	5.00	AVG	H	-6.9	PASS

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2480
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



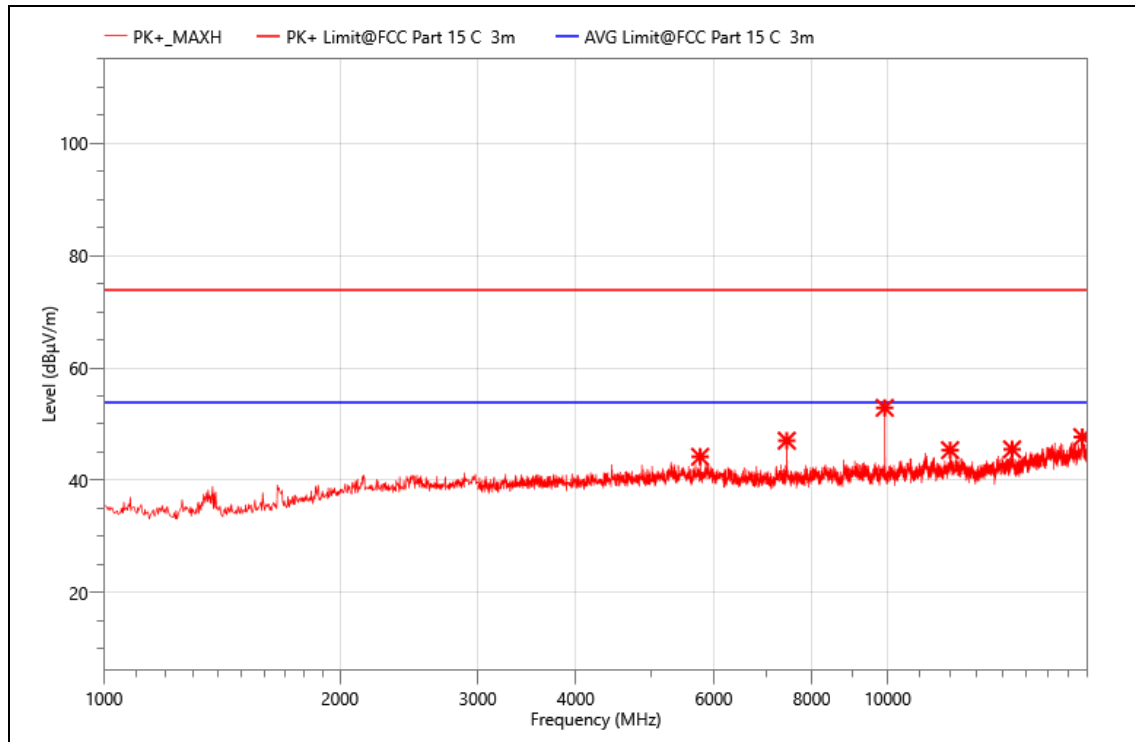
Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	4959.000	58.60	47.17	74.00	26.83	PK+	H	-11.43
2	5787.000	55.00	45.74	74.00	28.26	PK+	H	-9.26
3	7434.000	63.38	55.58	74.00	18.42	PK+	H	-7.8
4	9913.500	65.69	59.48	74.00	14.52	PK+	H	-6.21
5	11151.000	48.93	44.83	74.00	29.17	PK+	H	-4.1
6	17730.000	47.09	47.61	74.00	26.39	PK+	H	0.52

Final_Result

No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)	Verdict
1	7434.000	55.32	47.52	53.90	6.38	AVG	H	-7.8	PASS
2	9913.500	57.67	51.46	53.90	2.44	AVG	H	-6.21	PASS

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2480
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Height (cm)	Pol.	Corr. (dB)
1	5764.500	53.34	44.17	74.00	29.83	PK+	150	V	-9.17
2	7434.000	54.84	47.04	74.00	26.96	PK+	150	V	-7.8
3	9913.500	59.10	52.89	74.00	21.11	PK+	150	V	-6.21
4	12012.000	49.24	45.35	74.00	28.65	PK+	150	V	-3.89
5	14412.000	48.79	45.49	74.00	28.51	PK+	150	V	-3.3
6	17715.000	47.37	47.69	74.00	26.31	PK+	150	V	0.32

Other harmonics emissions are lower than 20dB below the allowable limit.

Note: (1) All Readings are Peak Value and AV.

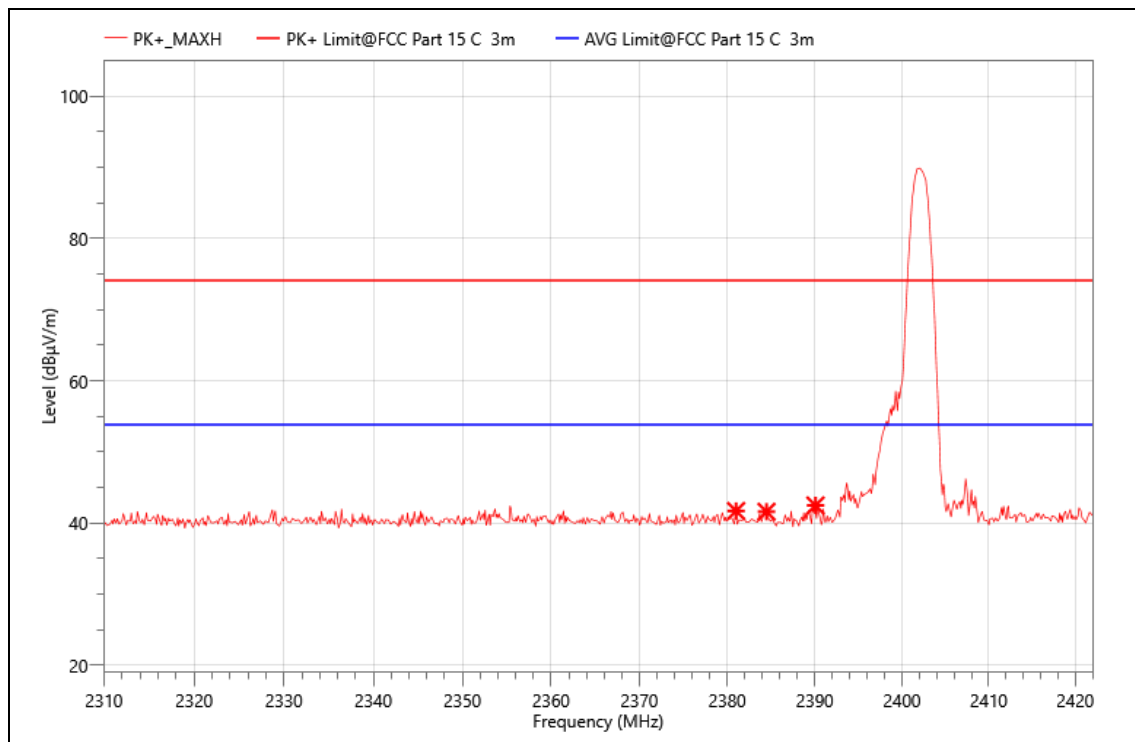
(2) Emission Level= Reading Level+ Probe Factor +Cable Loss.

(3) The average measurement was not performed when the peak measured data under the limit of average detection.

(4) Measuring frequencies from 1GHz to 25GHz.

Band edge:

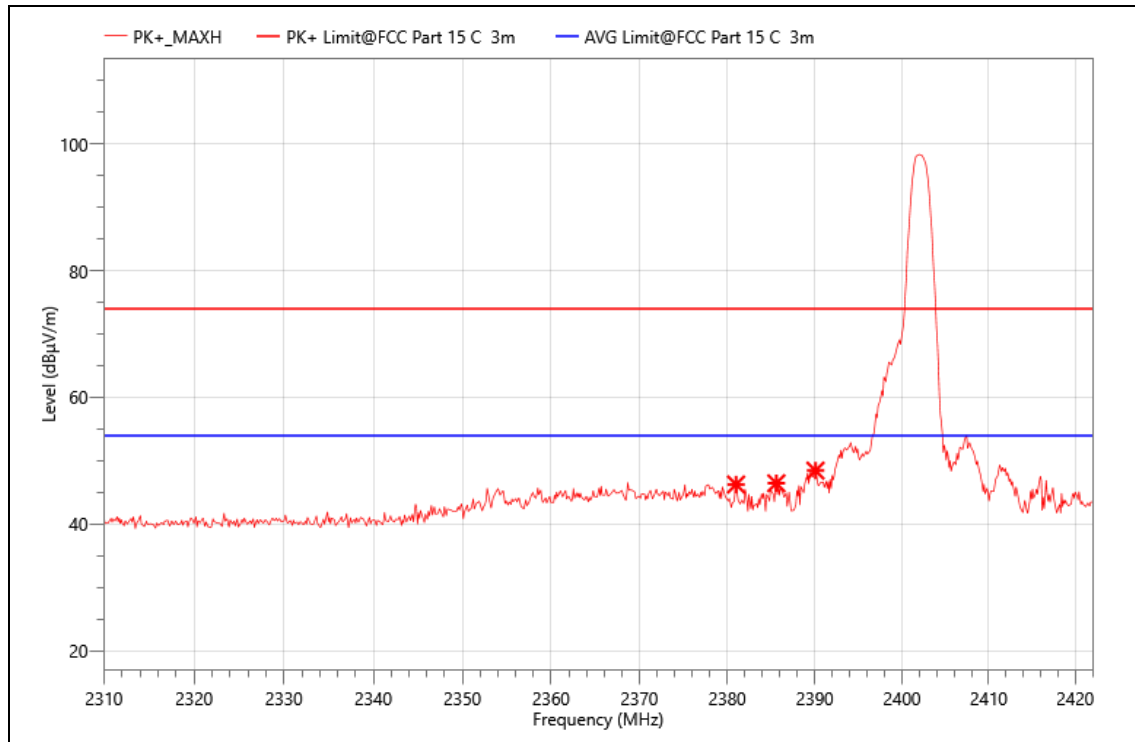
EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	2381.008	59.71	41.71	74.00	32.29	PK+	V	-18
2	2384.480	59.60	41.60	74.00	32.40	PK+	V	-18
3	2390.080	60.48	42.49	74.00	31.51	PK+	V	-17.99

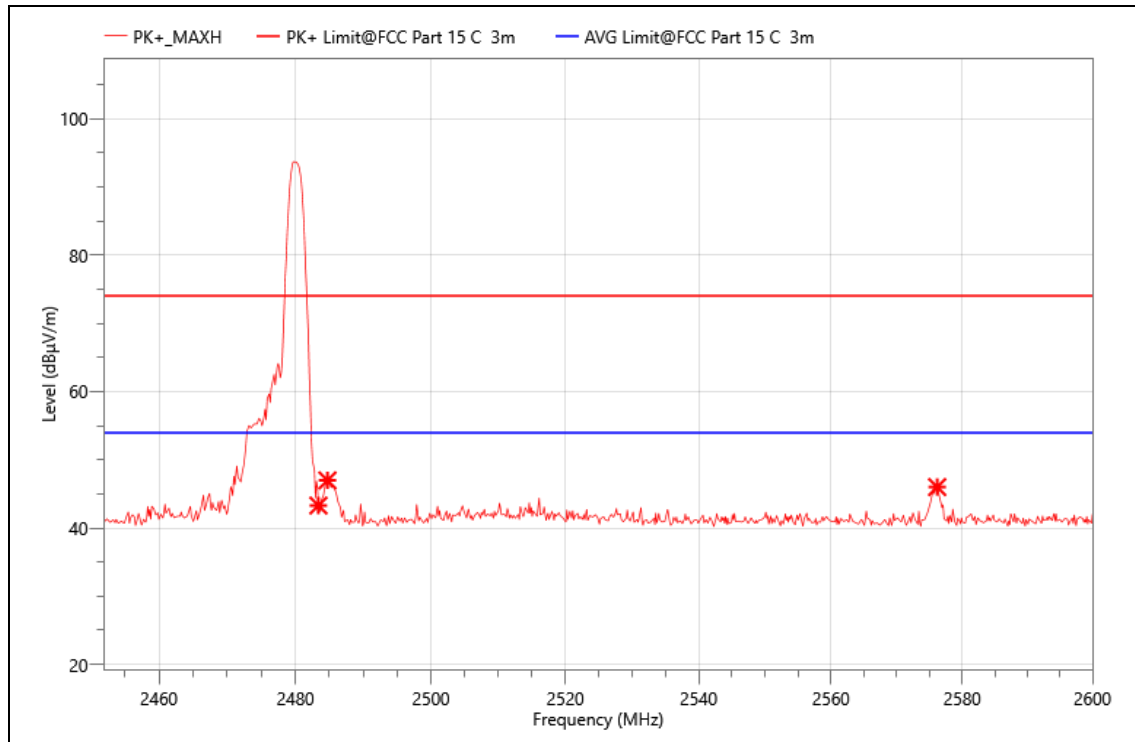
EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2402
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	2381.008	64.25	46.25	74.00	27.75	PK+	H	-18
2	2385.600	64.45	46.45	74.00	27.55	PK+	H	-18
3	2390.080	66.43	48.44	74.00	25.56	PK+	H	-17.99

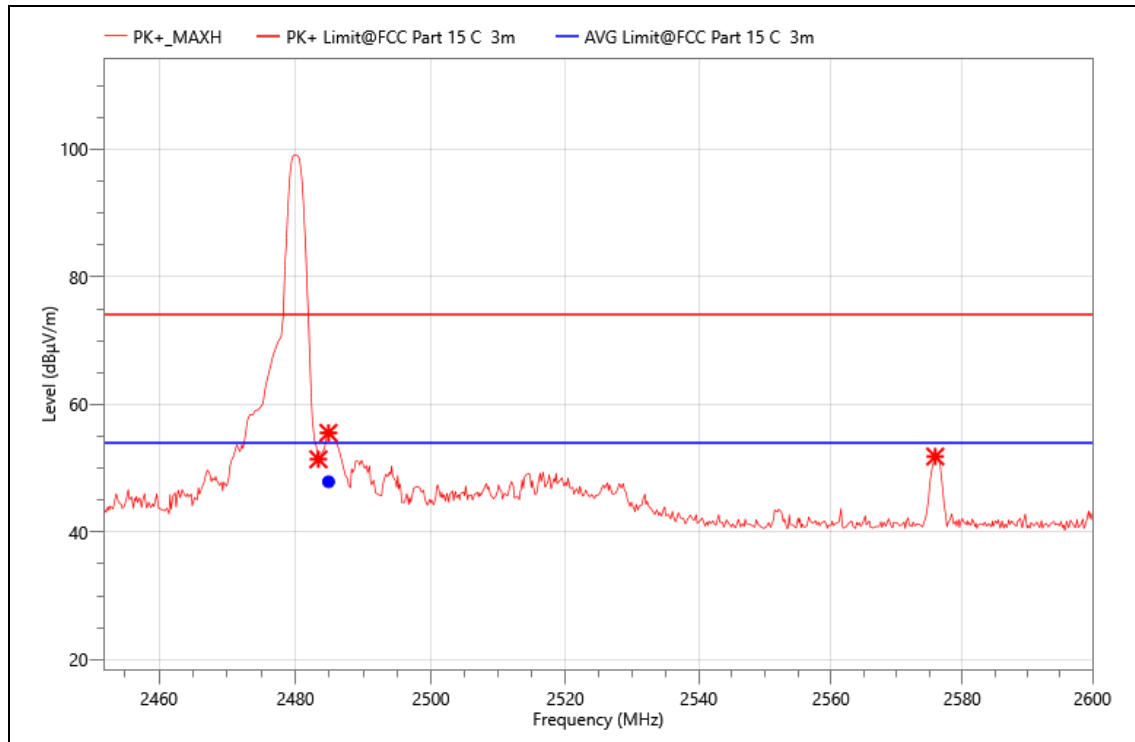
EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2480
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	2483.376	61.01	43.30	74.00	30.70	PK+	V	-17.71
2	2484.708	64.70	46.99	74.00	27.01	PK+	V	-17.71
3	2576.172	63.35	46.01	74.00	27.99	PK+	V	-17.34

EUT :	Wireless gaming headset
MN:	Captain 300
Mode:	BLE 2480
Power:	DC 3.7V
TE:	Vier
Date	2023/11/24
T/A/P	24°C/51%/101Kpa



Critical_Freqs

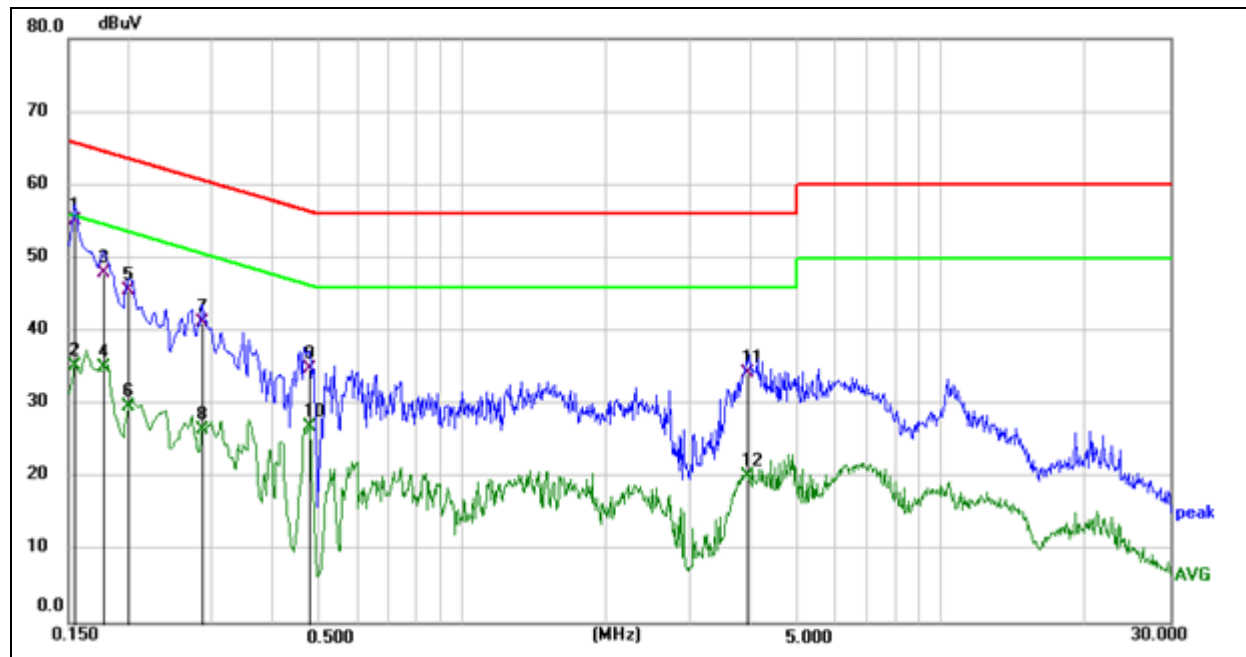
No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	2483.376	69.12	51.41	74.00	22.59	PK+	H	-17.71
2	2484.856	73.27	55.56	74.00	18.44	PK+	H	-17.71
3	2575.876	69.19	51.85	74.00	22.15	PK+	H	-17.34

Final_Result

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)	Verdict
1	2484.856	65.60	47.89	53.90	6.01	AVG	H	-17.71	PASS

AC POWER LINE CONDUCTED EMISSIONS

LINE L1 RESULTS (BLE 2402)

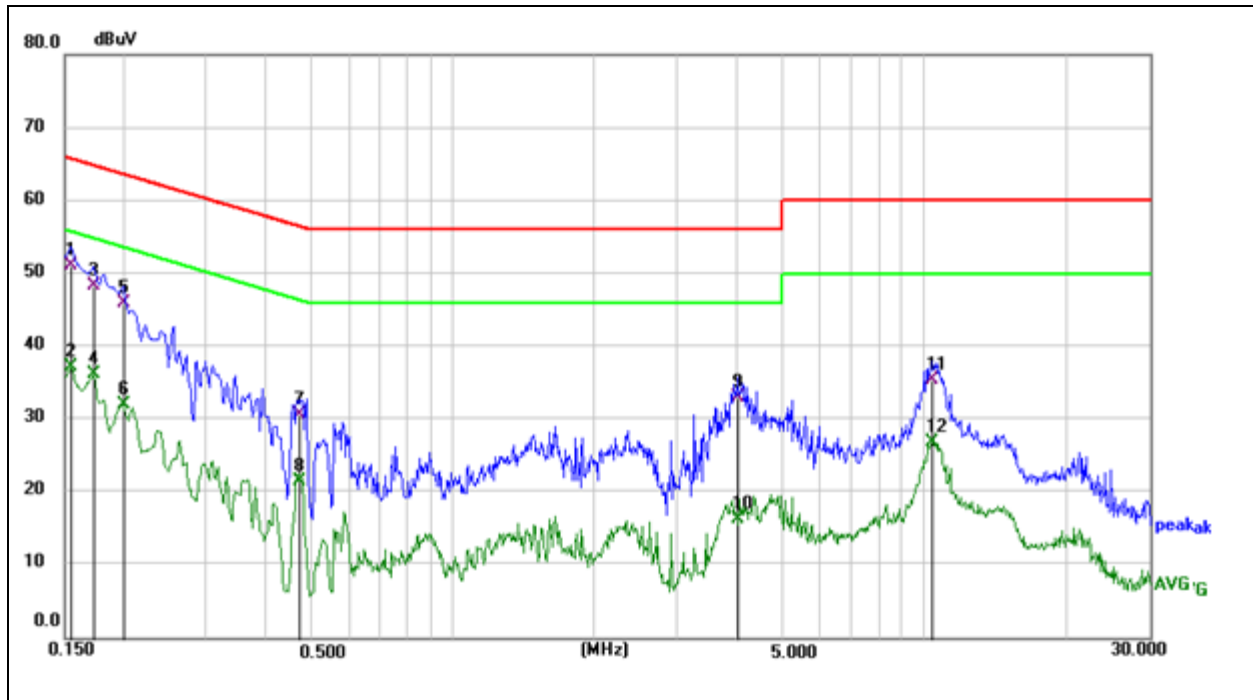


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	45.34	9.76	55.10	65.76	-10.66	QP
2	0.1544	25.56	9.76	35.32	55.76	-20.44	AVG
3	0.1785	38.11	9.79	47.90	64.56	-16.66	QP
4	0.1785	25.19	9.79	34.98	54.56	-19.58	AVG
5	0.2007	35.66	9.84	45.50	63.58	-18.08	QP
6	0.2007	19.92	9.84	29.76	53.58	-23.82	AVG
7	0.2850	31.28	9.82	41.10	60.67	-19.57	QP
8	0.2850	16.63	9.82	26.45	50.67	-24.22	AVG
9	0.4784	24.87	9.93	34.80	56.37	-21.57	QP
10	0.4784	16.91	9.93	26.84	46.37	-19.53	AVG
11	3.9254	24.20	10.00	34.20	56.00	-21.80	QP
12	3.9254	10.15	10.00	20.15	46.00	-25.85	AVG

Note: 1. Result = Reading +Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

LINE N RESULTS (BLE 2480)



Phase: N

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	41.53	9.67	51.20	65.76	-14.56	QP
2	0.1544	27.65	9.67	37.32	55.76	-18.44	AVG
3	0.1724	38.56	9.74	48.30	64.84	-16.54	QP
4	0.1724	26.44	9.74	36.18	54.84	-18.66	AVG
5	0.1995	36.14	9.76	45.90	63.63	-17.73	QP
6	0.1995	22.31	9.76	32.07	53.63	-21.56	AVG
7	0.4740	20.85	9.85	30.70	56.44	-25.74	QP
8	0.4740	11.61	9.85	21.46	46.44	-24.98	AVG
9	4.0155	23.18	9.92	33.10	56.00	-22.90	QP
10	4.0155	6.55	9.92	16.47	46.00	-29.53	AVG
11	10.3650	25.49	10.01	35.50	60.00	-24.50	QP
12	10.3650	16.86	10.01	26.87	50.00	-23.13	AVG

Note: 1. Result = Reading +Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. All test modes had been tested, only the worst data record in the report.