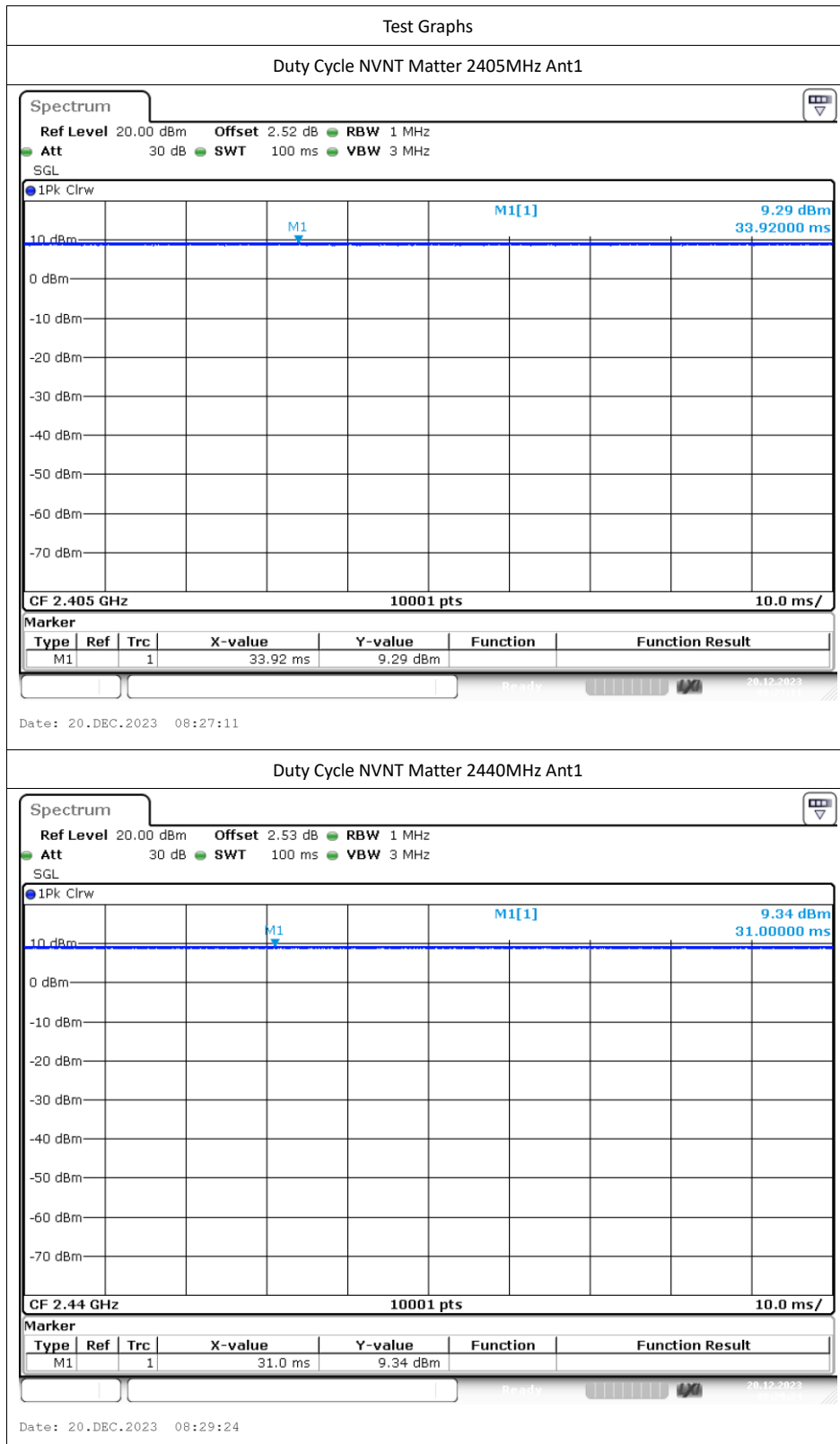
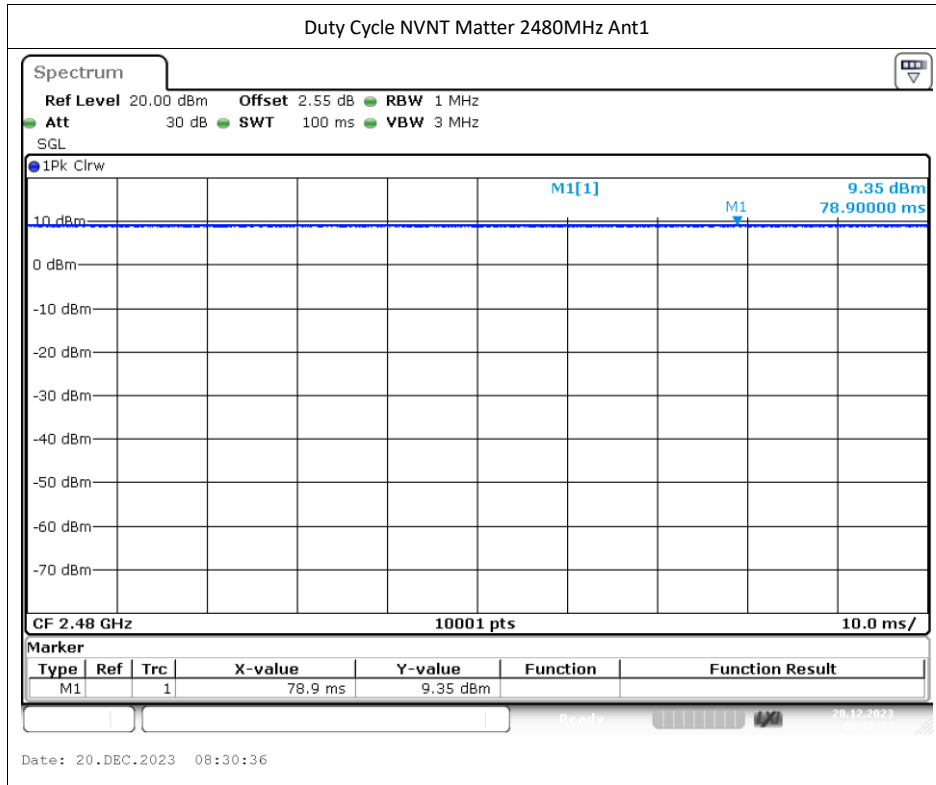


Appendix A

Duty Cycle

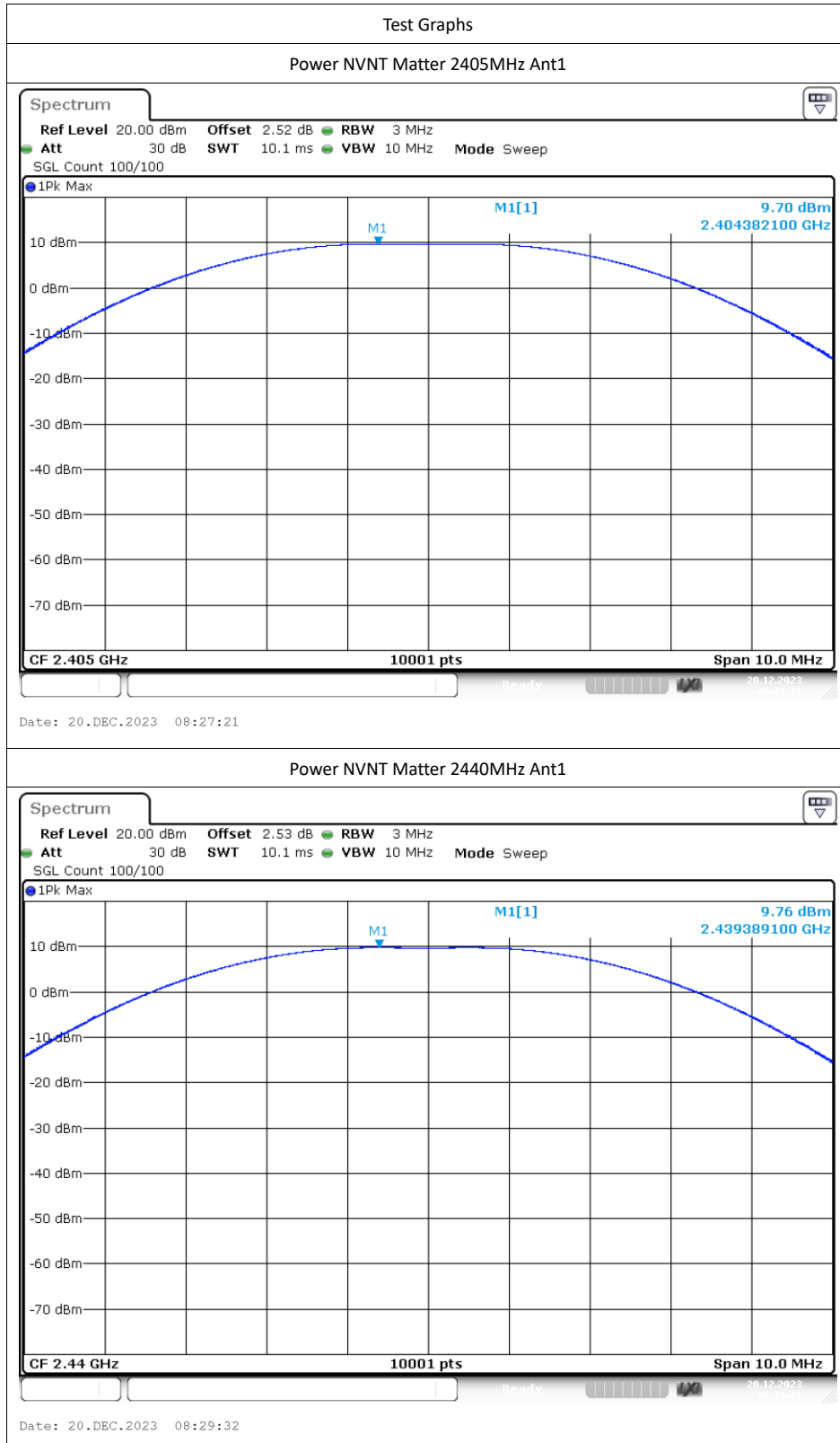
Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
NVNT	Matter	2405	Ant1	0	0	100	0	0	1
NVNT	Matter	2440	Ant1	0	0	100	0	0	1
NVNT	Matter	2480	Ant1	0	0	100	0	0	1

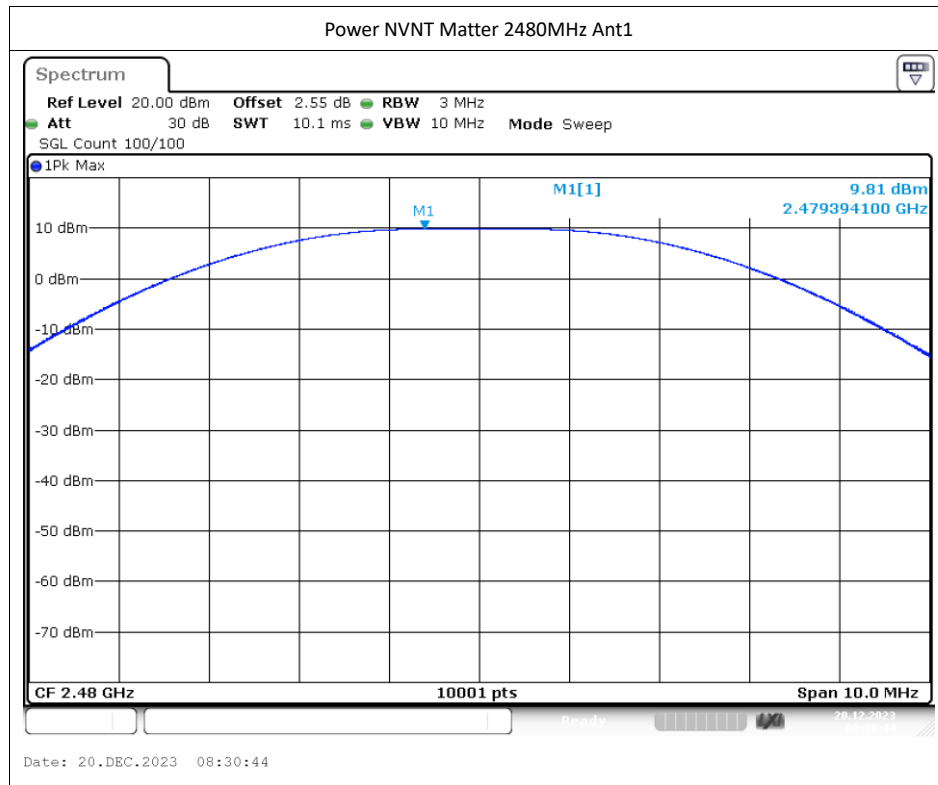




Maximum Conducted Output Power

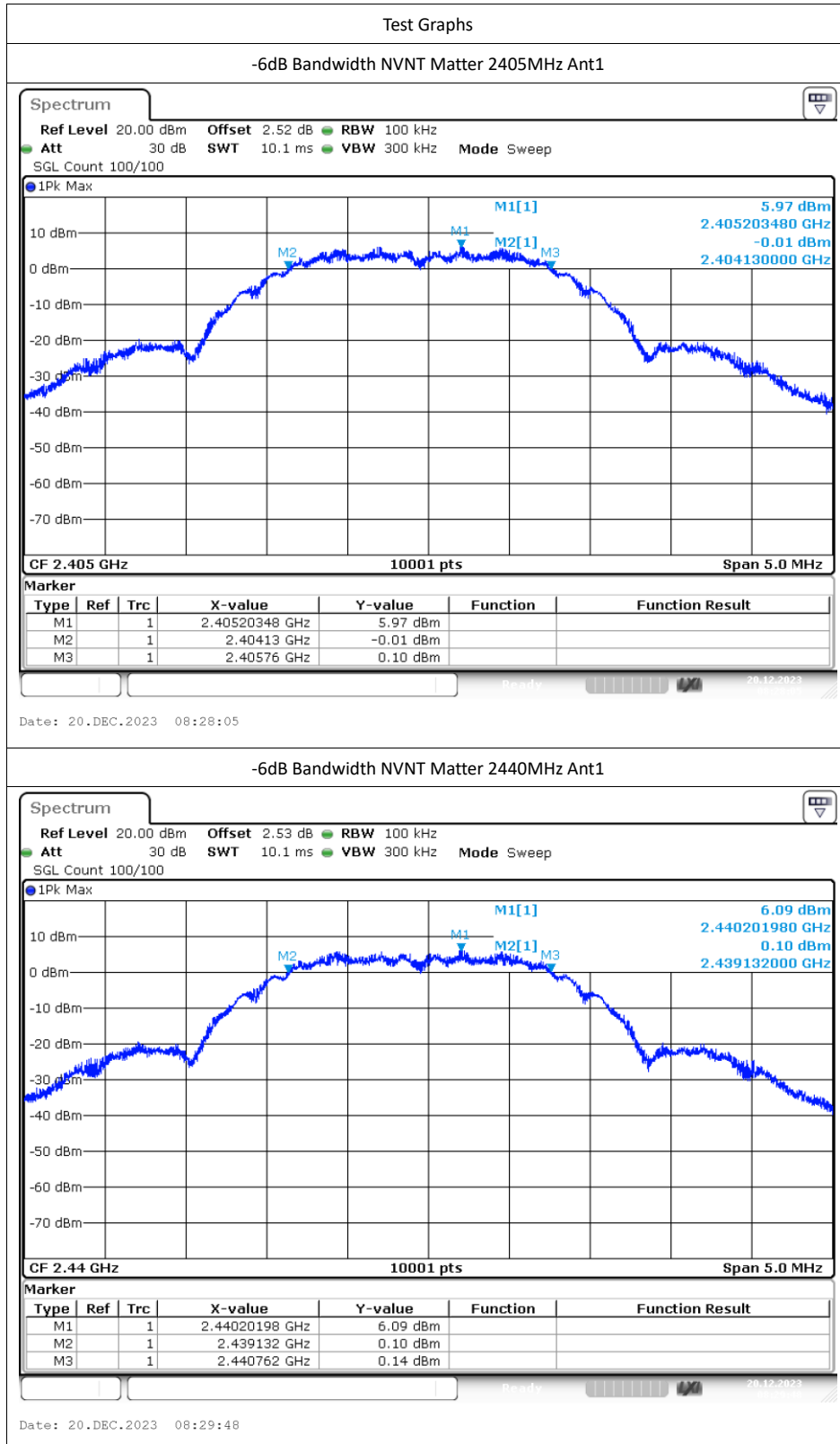
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	Matter	2405	Ant1	9.7	0	9.7	30	Pass
NVNT	Matter	2440	Ant1	9.76	0	9.76	30	Pass
NVNT	Matter	2480	Ant1	9.81	0	9.81	30	Pass

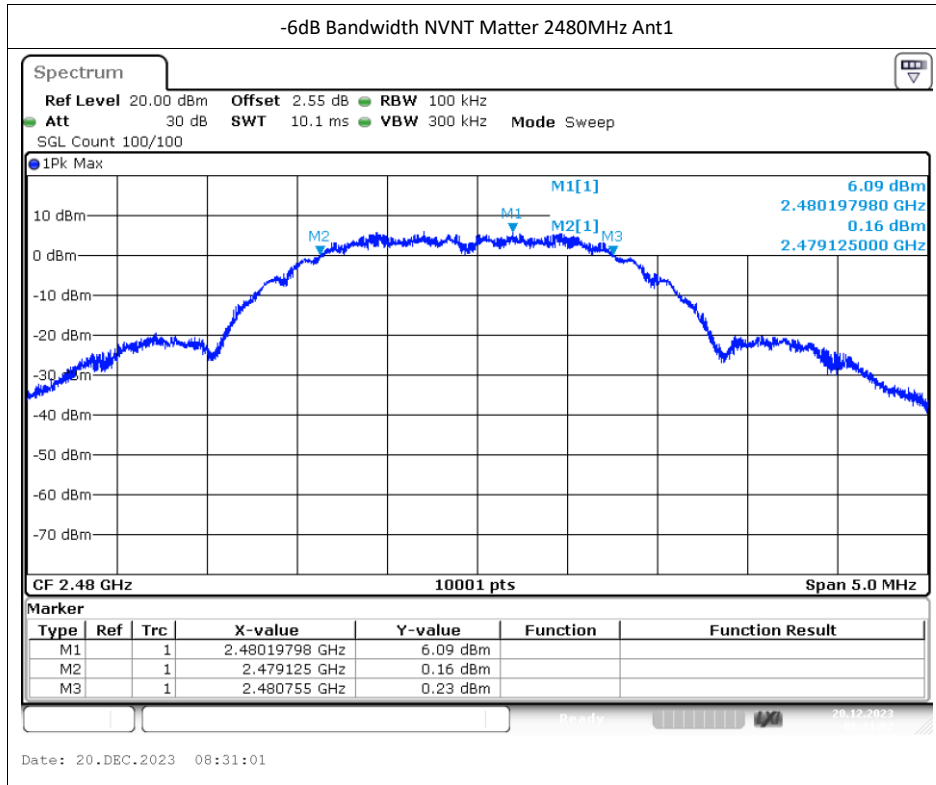




-6dB Bandwidth

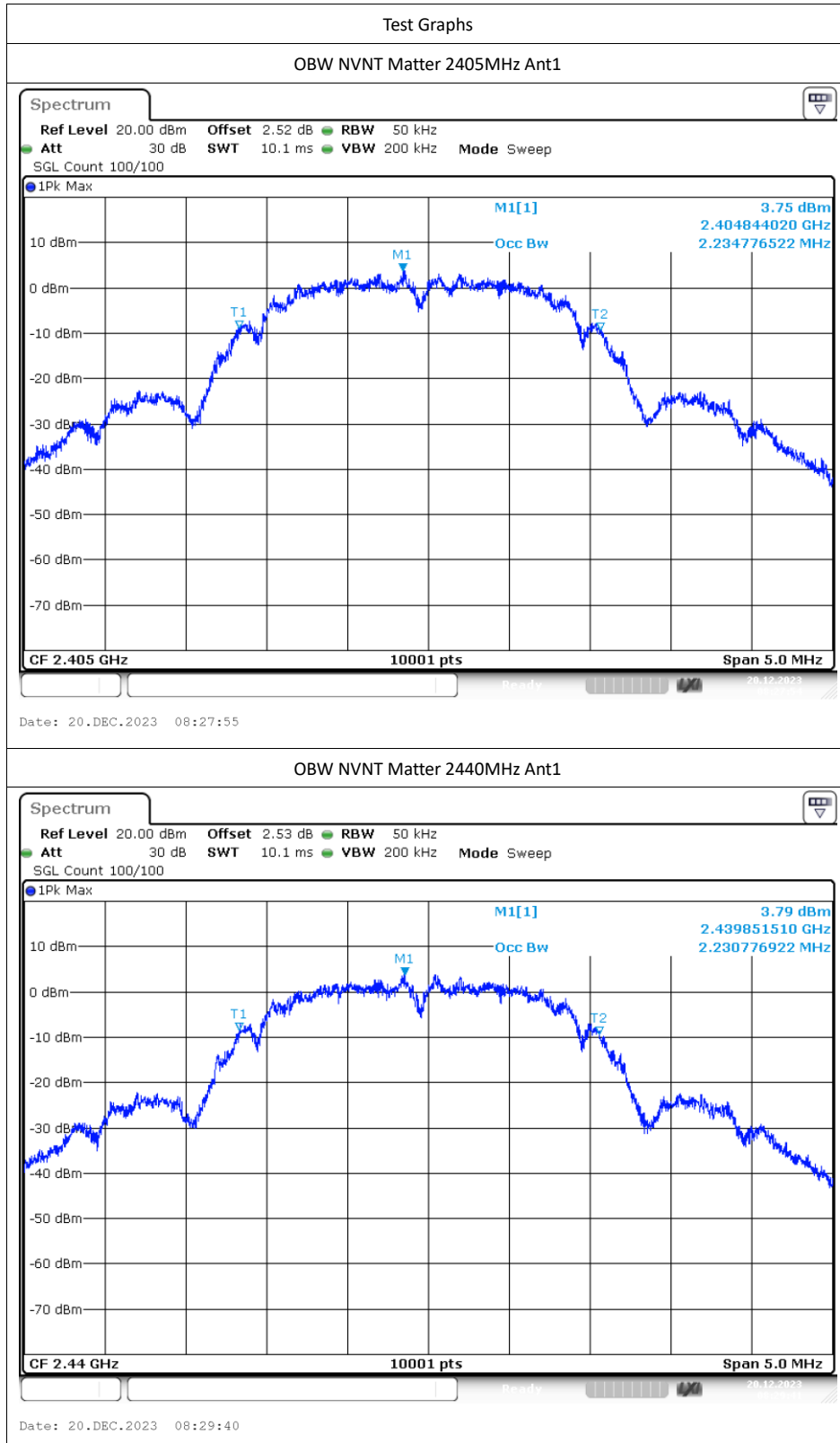
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	Matter	2405	Ant1	1.63	0.5	Pass
NVNT	Matter	2440	Ant1	1.63	0.5	Pass
NVNT	Matter	2480	Ant1	1.631	0.5	Pass

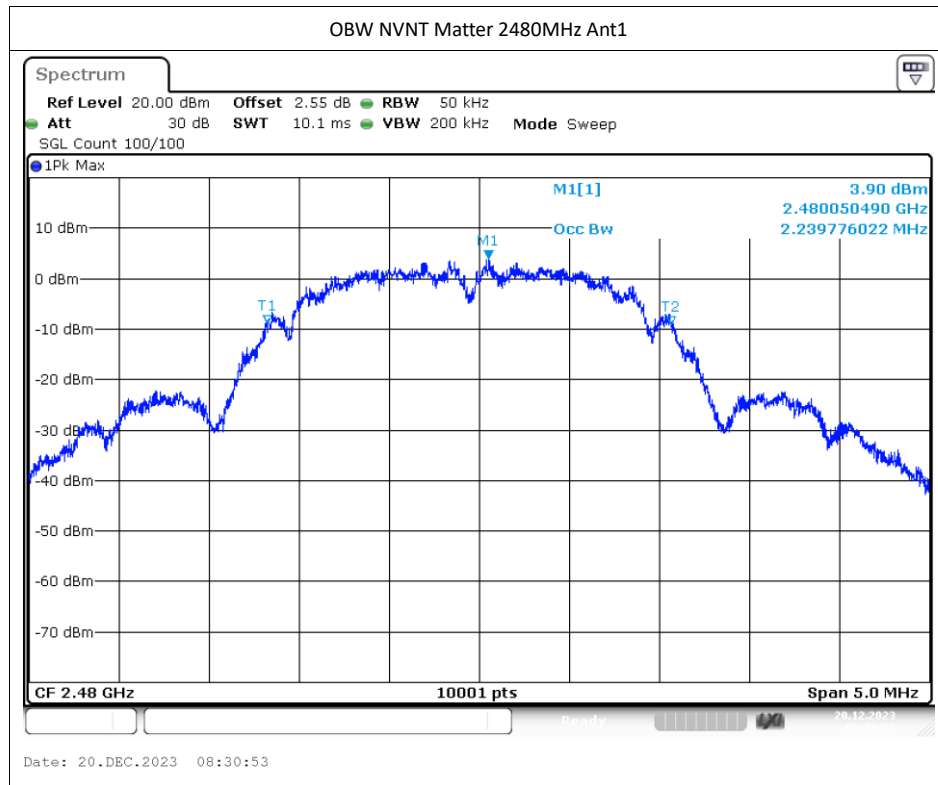




Occupied Channel Bandwidth

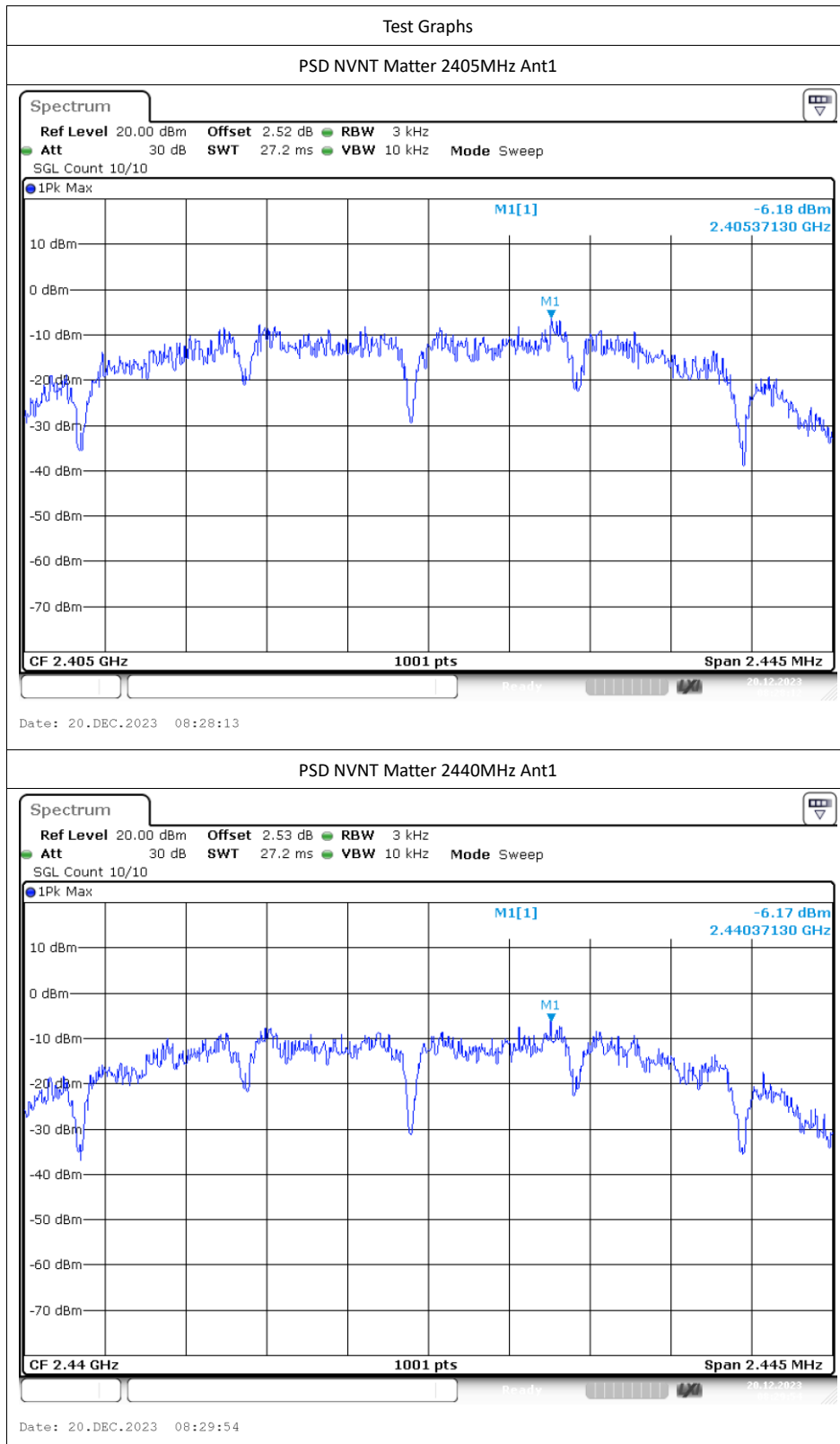
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	Matter	2405	Ant1	2.235
NVNT	Matter	2440	Ant1	2.231
NVNT	Matter	2480	Ant1	2.24

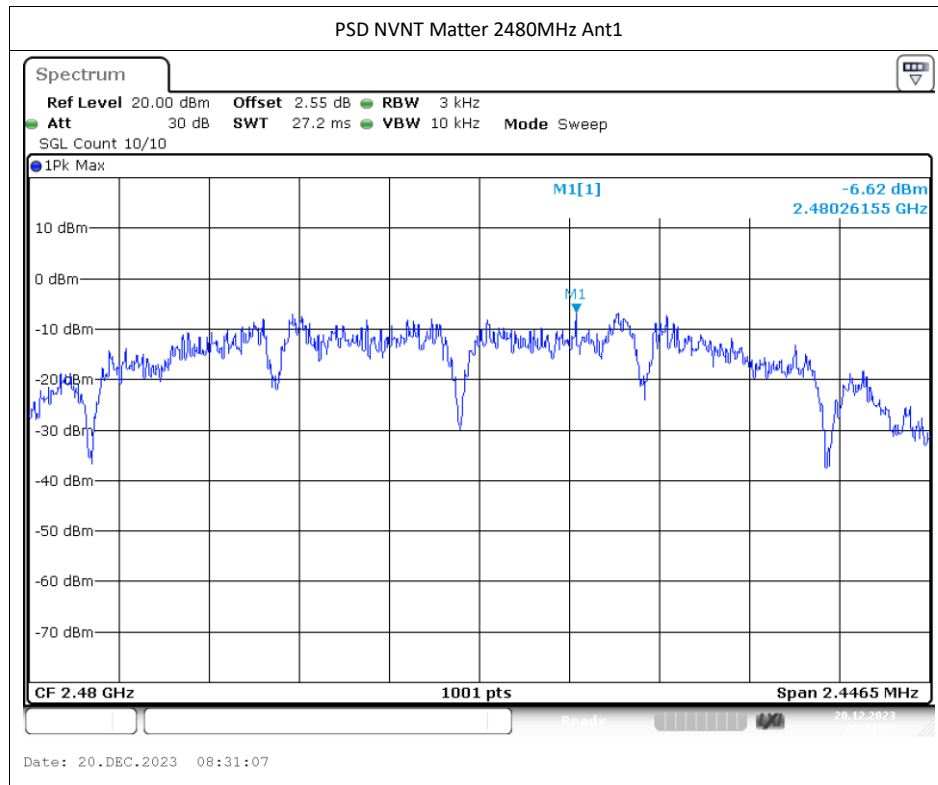




Maximum Power Spectral Density Level

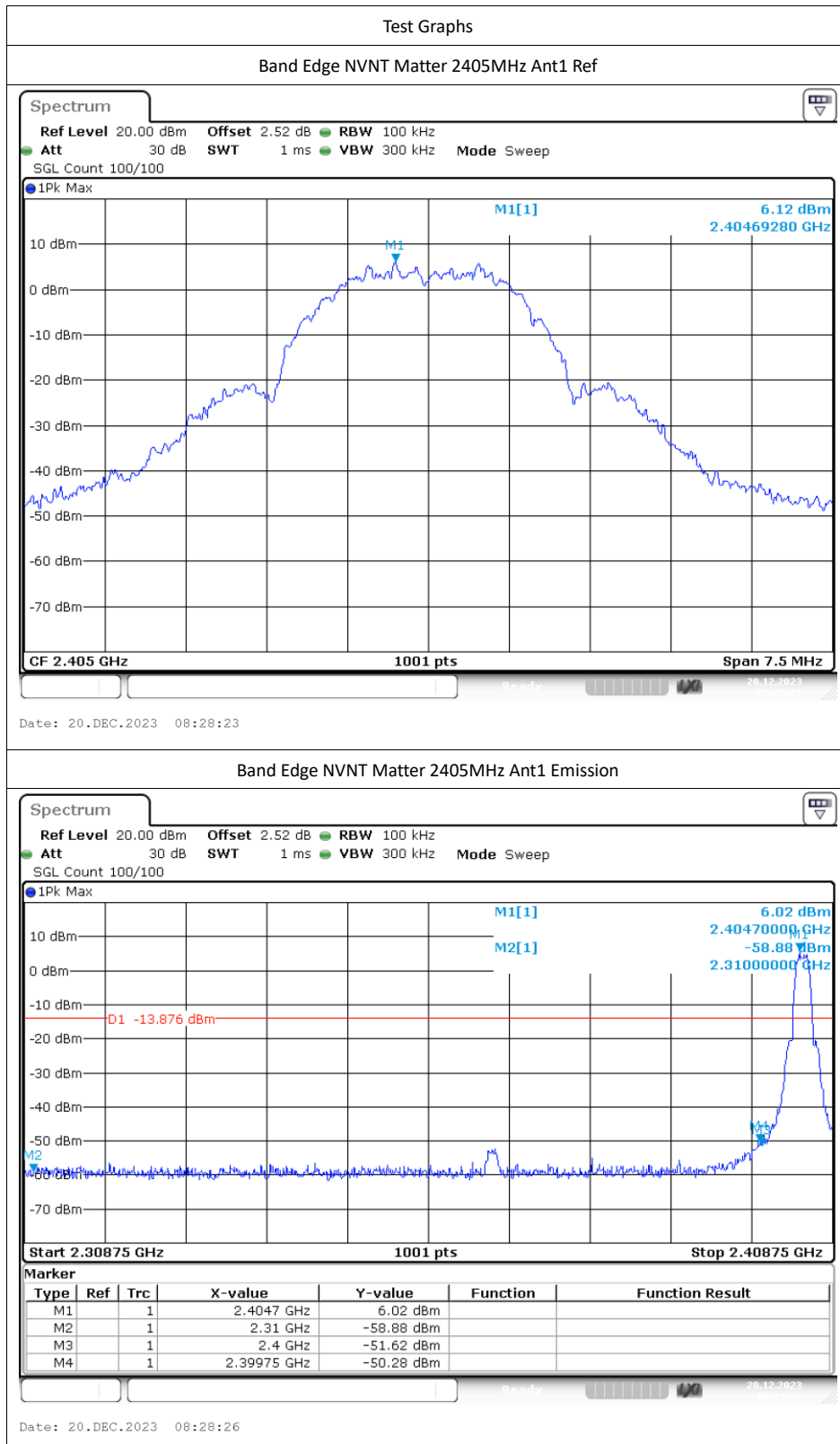
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	Matter	2405	Ant1	-6.18	0	-6.18	8	Pass
NVNT	Matter	2440	Ant1	-6.17	0	-6.17	8	Pass
NVNT	Matter	2480	Ant1	-6.62	0	-6.62	8	Pass

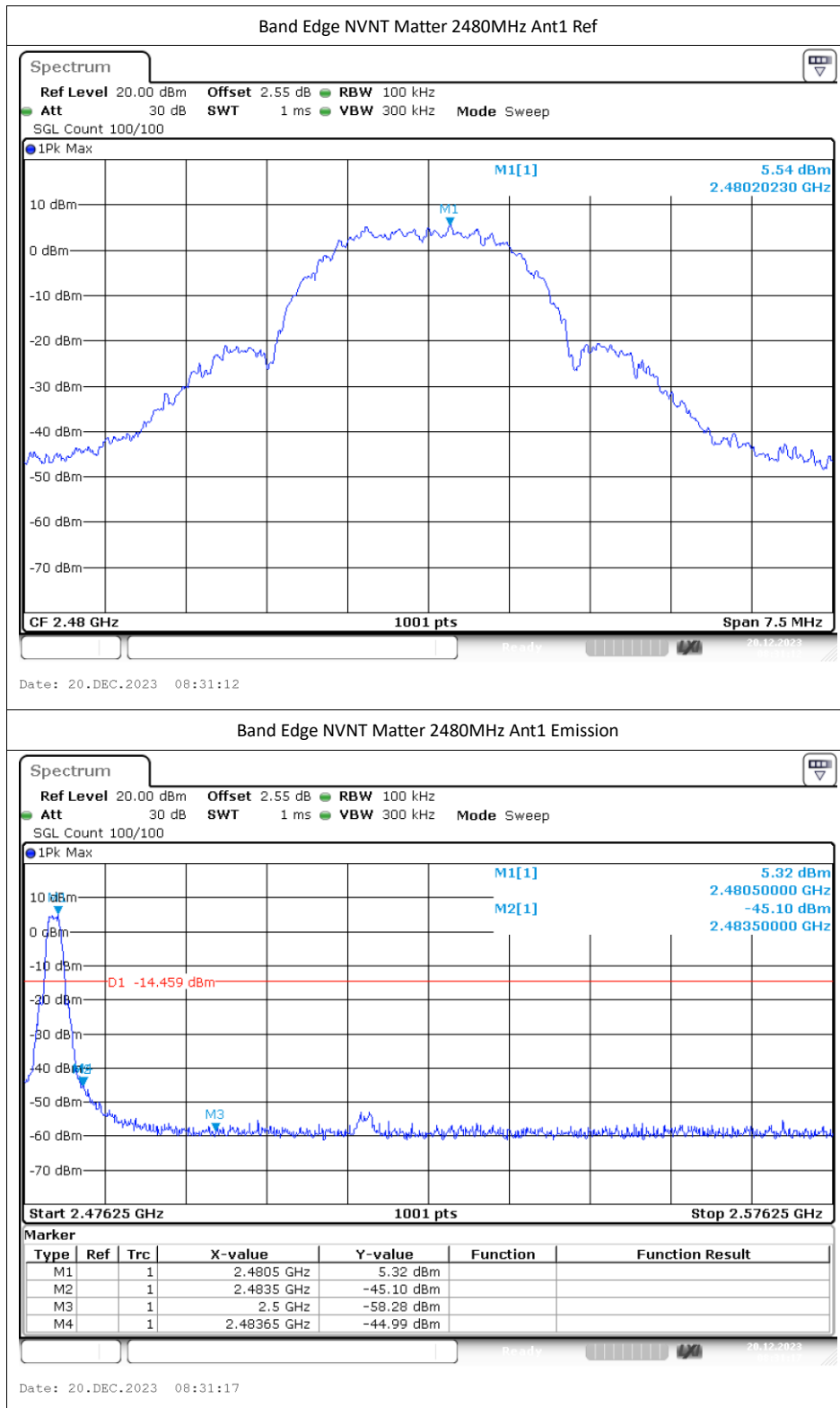




Band Edge

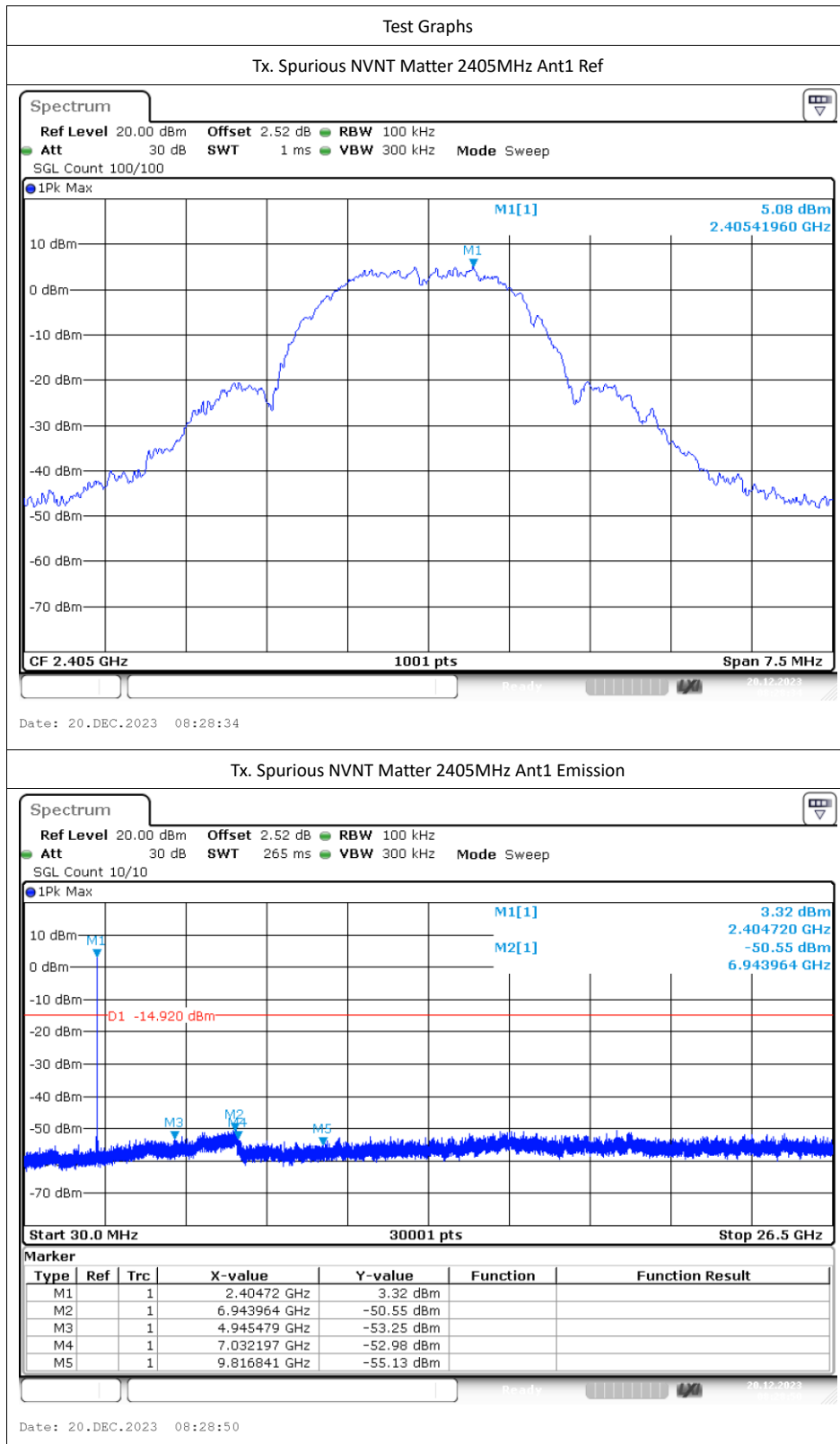
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	Matter	2405	Ant1	-56.39	-20	Pass
NVNT	Matter	2480	Ant1	-50.53	-20	Pass

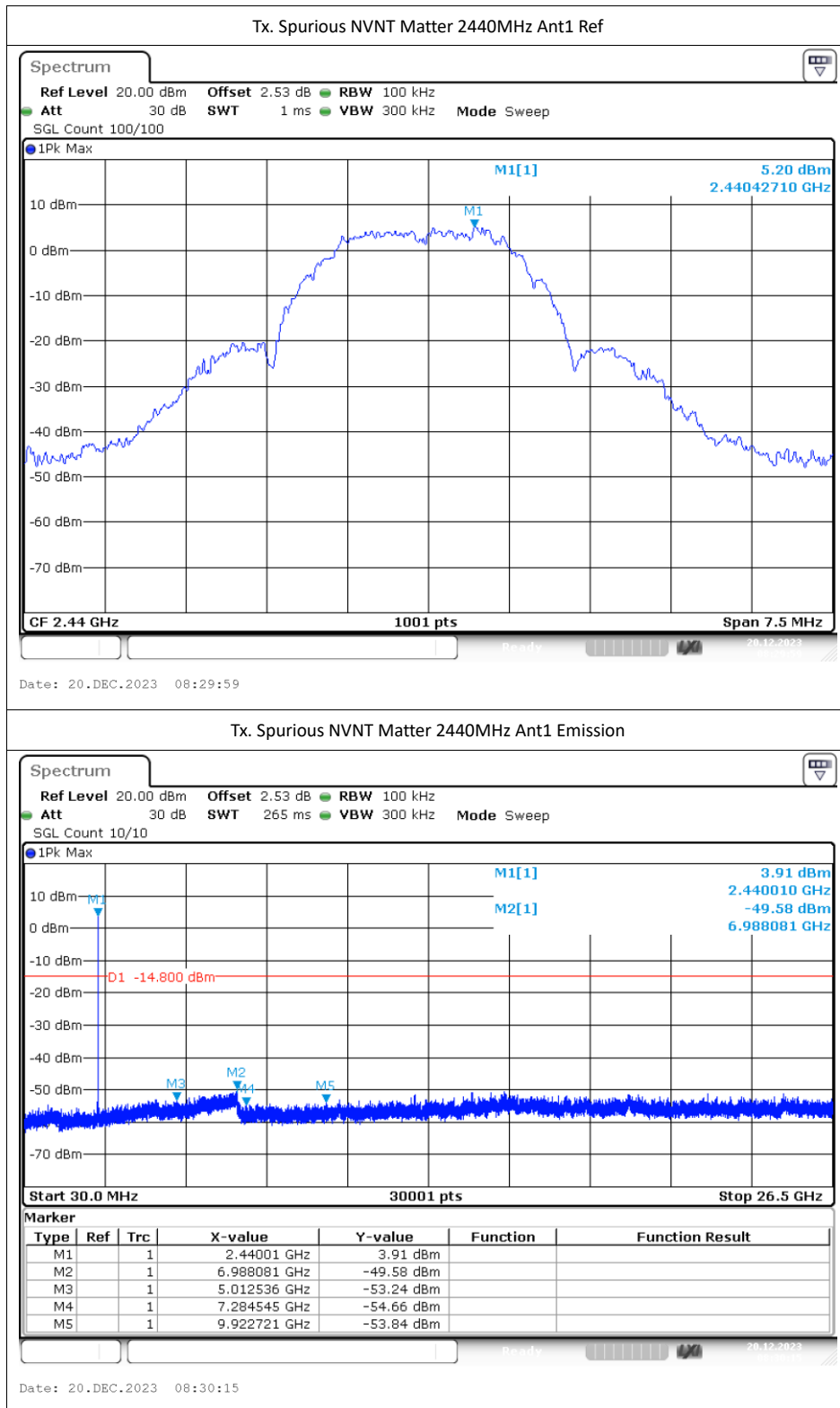


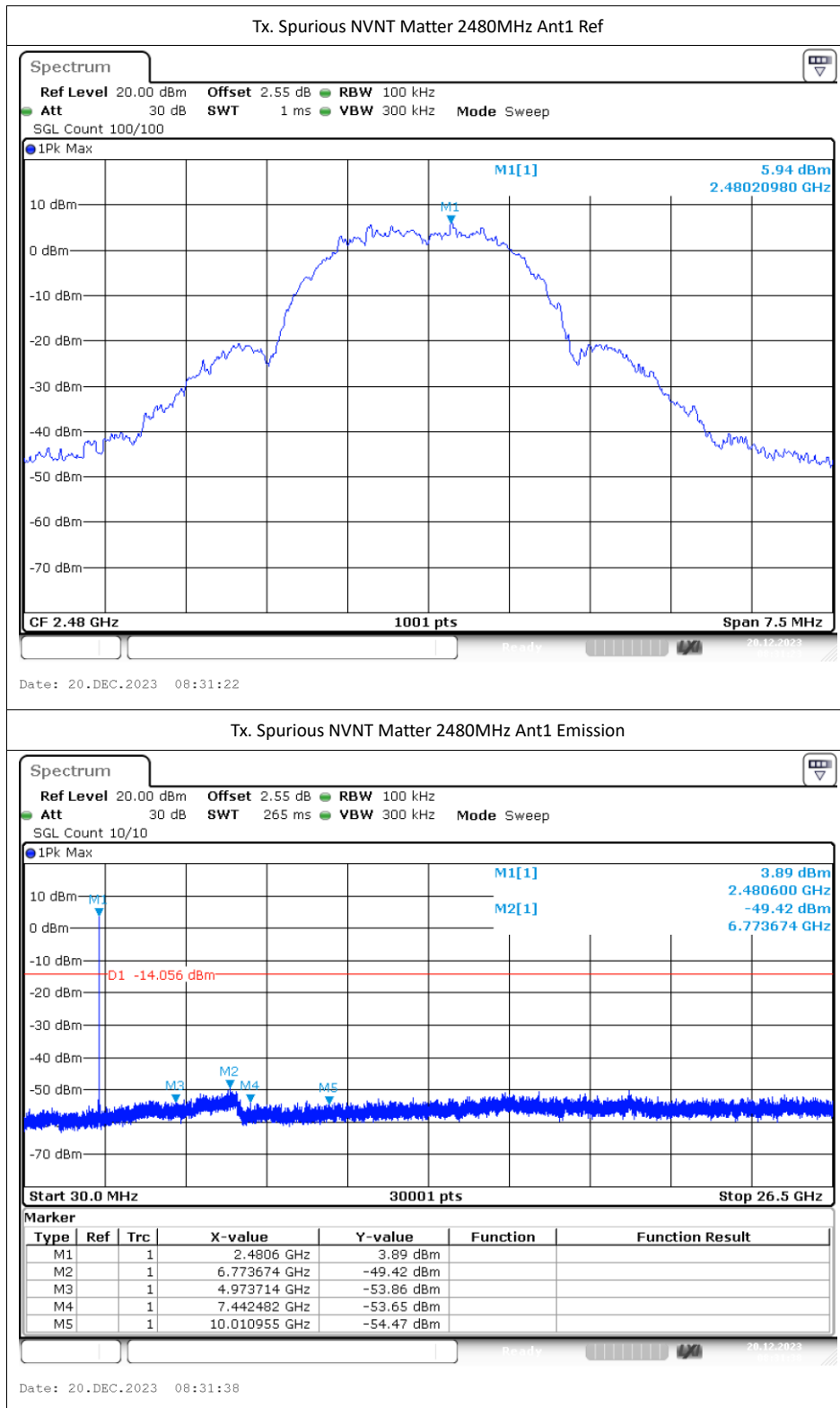


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	Matter	2405	Ant1	-55.62	-20	Pass
NVNT	Matter	2440	Ant1	-54.77	-20	Pass
NVNT	Matter	2480	Ant1	-55.36	-20	Pass





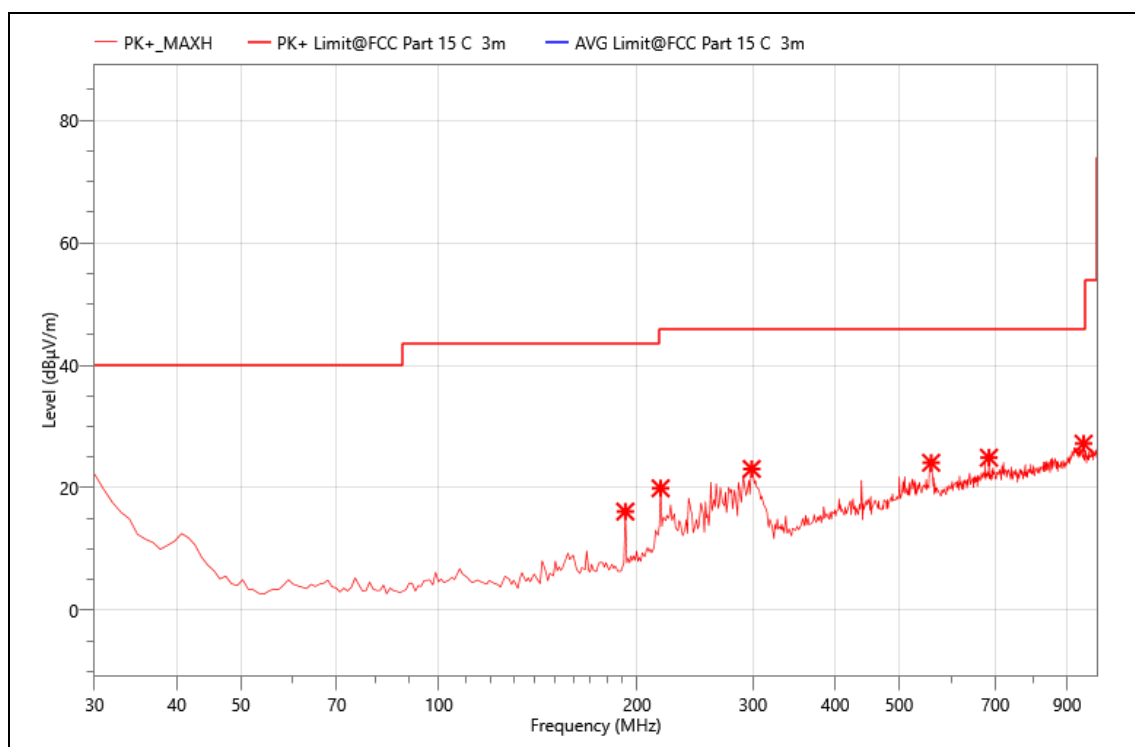


RADIATED TEST RESULTS

The data of the mode (2405MHz) are recorded in the following pages.

The worst result as bellow:

EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



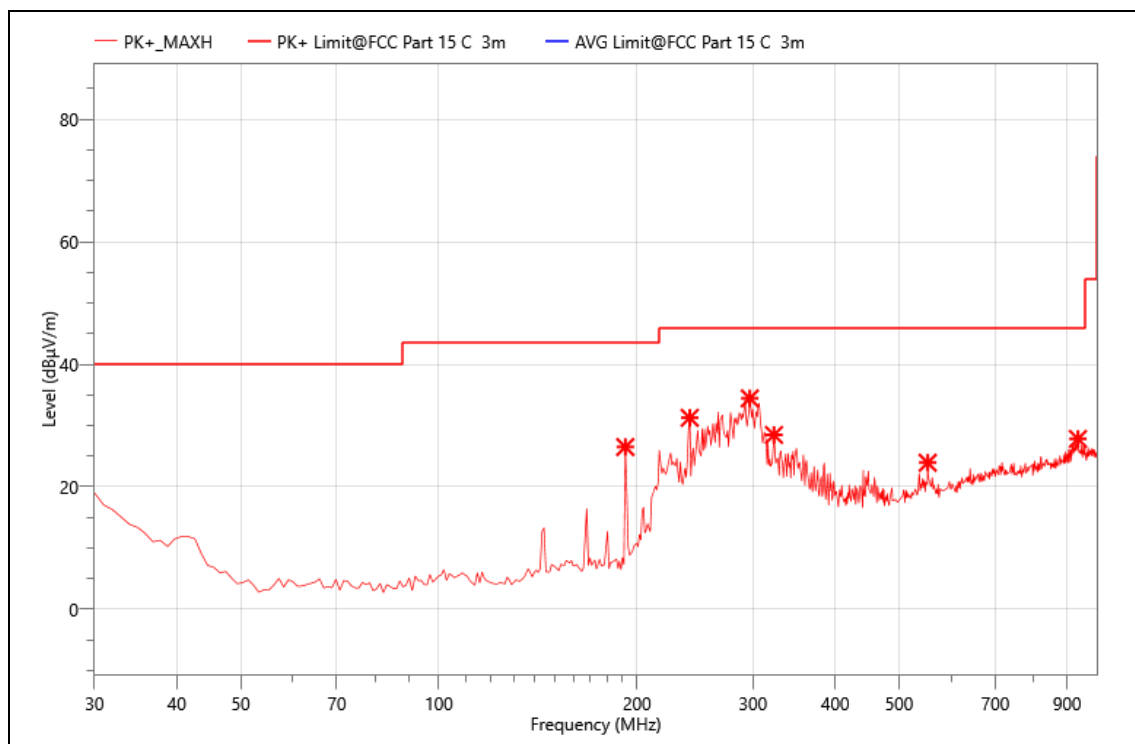
Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dBμV/m)	Det.	Pol.	Corr. (dB)
1	191.990	38.68	16.11	43.50	27.39	PK+	V	-22.57
2	217.210	40.83	19.92	46.00	26.08	PK+	V	-20.91
3	298.690	41.98	23.07	46.00	22.93	PK+	V	-18.91
4	559.620	34.38	24.08	46.00	21.92	PK+	V	-10.3
5	684.750	32.62	24.91	46.00	21.09	PK+	V	-7.71
6	953.440	30.75	27.20	46.00	18.80	PK+	V	-3.55

Note: 1. Meas. = Reading + Corr.

2. Margin= Limit - Meas.

EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

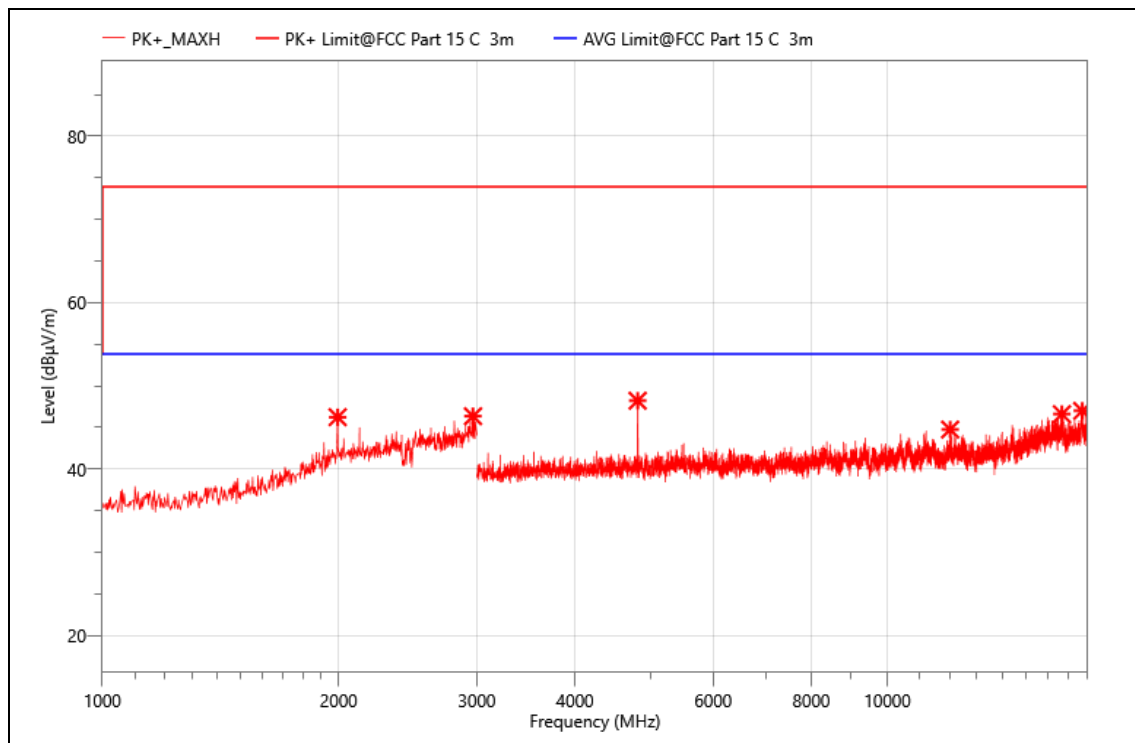
No.	Freq. (MHz)	Reading (dBµV)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dBµV/m)	Det.	Pol.	Corr. (dB)
1	191.990	49.06	26.49	43.50	17.01	PK+	H	-22.57
2	240.490	50.85	31.26	46.00	14.74	PK+	H	-19.59
3	296.750	53.44	34.44	46.00	11.56	PK+	H	-19
4	322.940	46.23	28.47	46.00	17.53	PK+	H	-17.76
5	552.830	33.84	23.93	46.00	22.07	PK+	H	-9.91
6	935.010	30.90	27.82	46.00	18.18	PK+	H	-3.08

Note: 1. Meas. = Reading + Corr.

2. Margin= Limit - Meas.

Above 1000MHz~10th Harmonics:

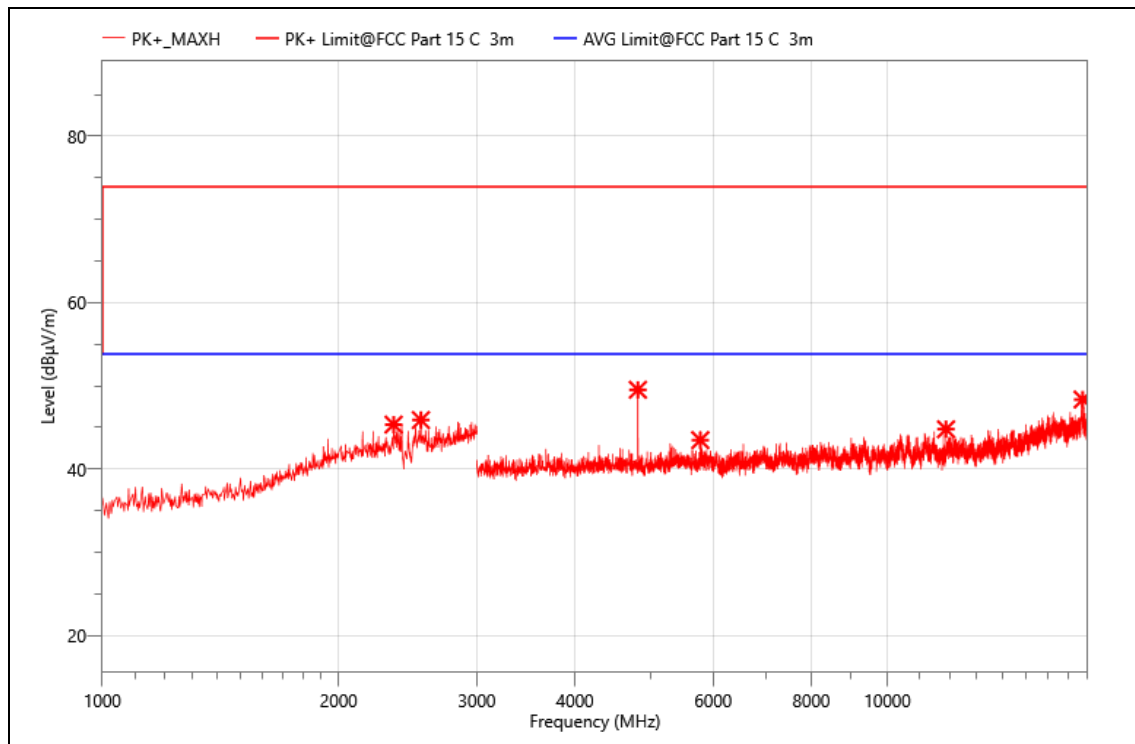
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25 °C /54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1994.000	55.35	-9.11	46.24	74.00	27.76	PK+	H
2	2966.000	53.59	-7.23	46.36	74.00	27.64	PK+	H
3	4807.500	59.58	-11.36	48.22	74.00	25.78	PK+	H
4	12022.500	49.61	-4.85	44.76	74.00	29.24	PK+	H
5	16686.000	47.10	-0.49	46.61	74.00	27.39	PK+	H
6	17712.000	47.08	-0.08	47.00	74.00	27.00	PK+	H

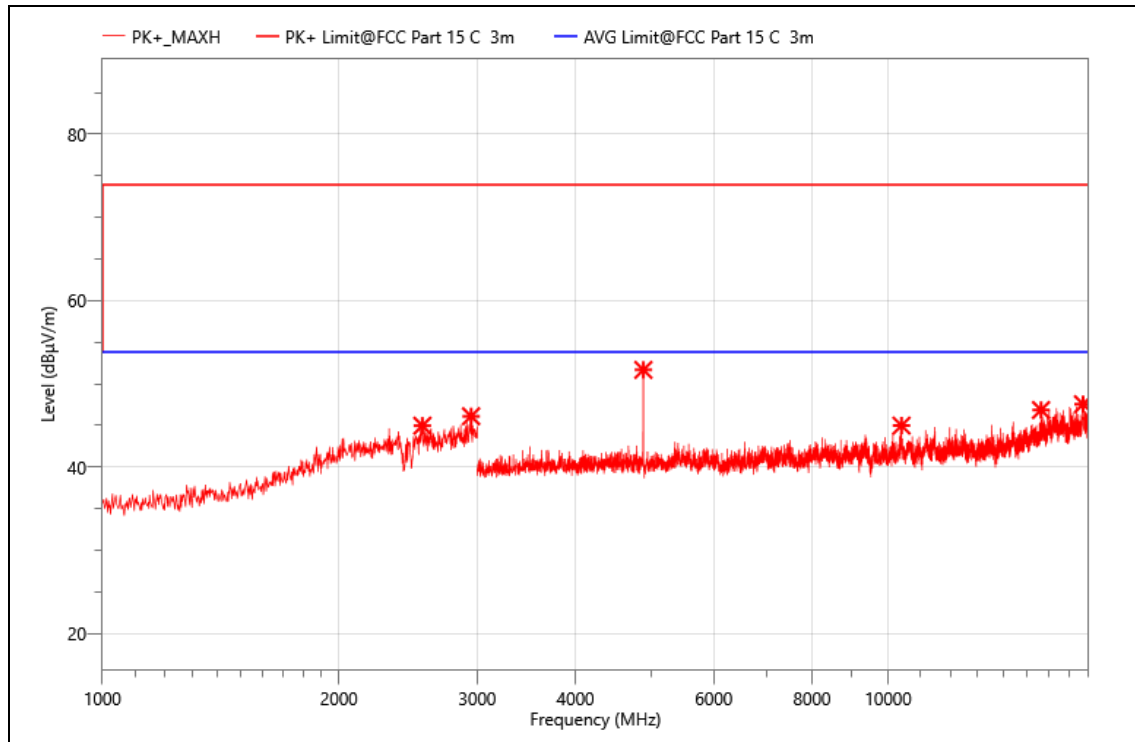
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2350.000	53.78	-8.43	45.35	74.00	28.65	PK+	V
2	2546.000	54.17	-8.27	45.90	74.00	28.10	PK+	V
3	4810.500	60.91	-11.38	49.53	74.00	24.47	PK+	V
4	5778.000	52.60	-9.11	43.49	74.00	30.51	PK+	V
5	11878.500	49.40	-4.61	44.79	74.00	29.21	PK+	V
6	17733.000	48.75	-0.39	48.36	74.00	25.64	PK+	V

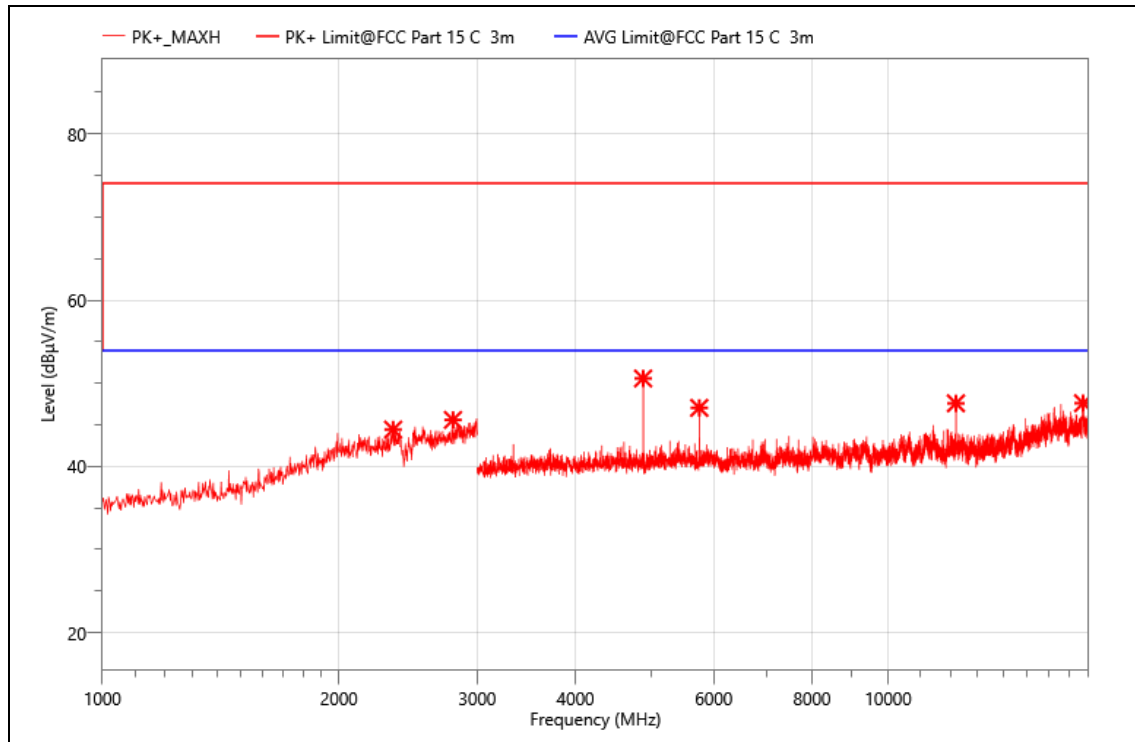
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2440
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2554.000	53.05	-8.07	44.98	74.00	29.02	PK+	V
2	2946.000	53.56	-7.45	46.11	74.00	27.89	PK+	V
3	4881.000	62.82	-11.14	51.68	74.00	22.32	PK+	V
4	10399.500	50.55	-5.56	44.99	74.00	29.01	PK+	V
5	15654.000	48.92	-2.06	46.86	74.00	27.14	PK+	V
6	17706.000	47.51	0.05	47.56	74.00	26.44	PK+	V

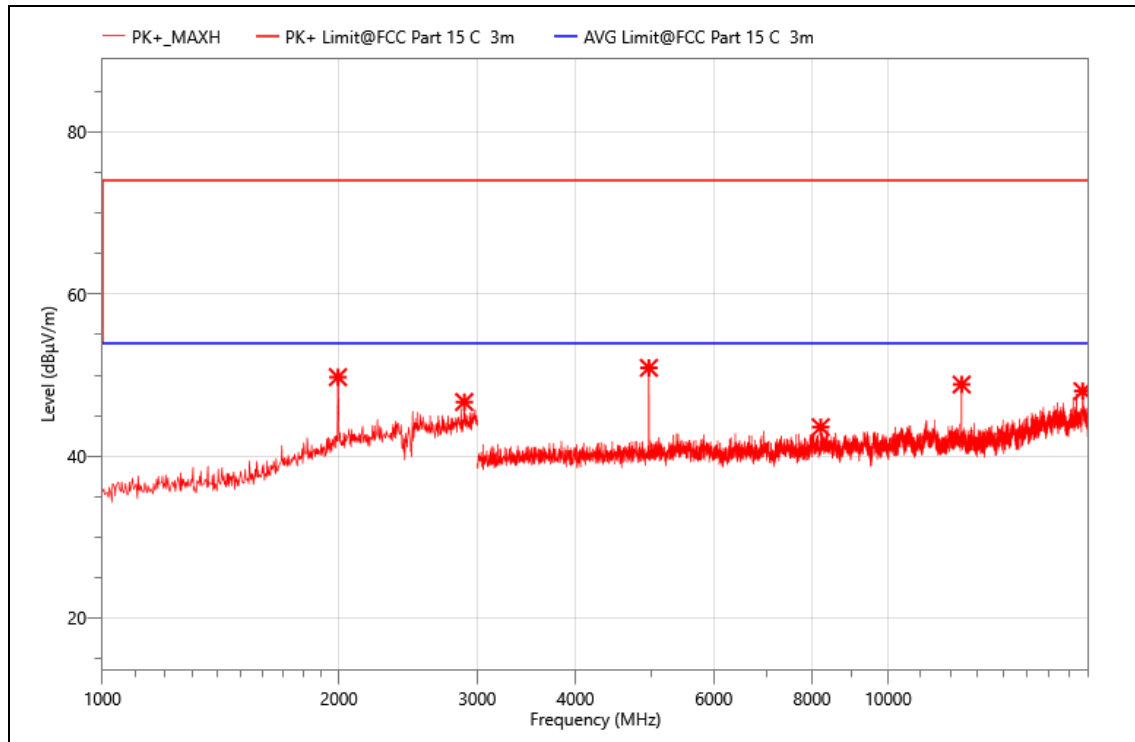
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2440
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2344.000	52.98	-8.54	44.44	74.00	29.56	PK+	H
2	2794.000	54.01	-8.41	45.60	74.00	28.40	PK+	H
3	4878.000	61.73	-11.14	50.59	74.00	23.41	PK+	H
4	5749.500	56.46	-9.41	47.05	74.00	26.95	PK+	H
5	12198.000	52.38	-4.78	47.60	74.00	26.40	PK+	H
6	17709.000	47.63	-0.02	47.61	74.00	26.39	PK+	H

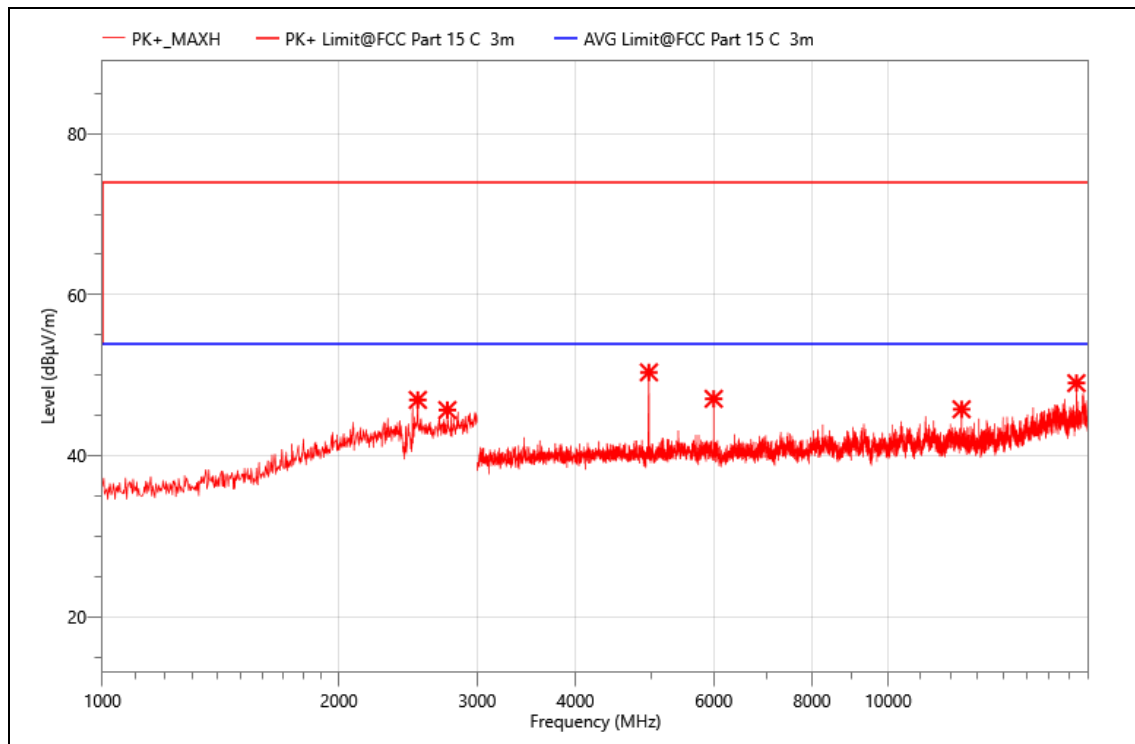
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2480
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	1994.000	58.86	-9.11	49.75	74.00	24.25	PK+	H
2	2888.000	54.82	-8.14	46.68	74.00	27.32	PK+	H
3	4960.500	62.24	-11.34	50.90	74.00	23.10	PK+	H
4	8206.500	51.31	-7.73	43.58	74.00	30.42	PK+	H
5	12403.500	53.54	-4.7	48.84	74.00	25.16	PK+	H
6	17682.000	47.75	0.28	48.03	74.00	25.97	PK+	H

EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2480
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2520.000	55.48	-8.55	46.93	74.00	27.07	PK+	V
2	2748.000	53.82	-8.15	45.67	74.00	28.33	PK+	V
3	4960.500	61.70	-11.34	50.36	74.00	23.64	PK+	V
4	5998.500	55.95	-8.88	47.07	74.00	26.93	PK+	V
5	12402.000	50.46	-4.69	45.77	74.00	28.23	PK+	V
6	17364.000	49.48	-0.46	49.02	74.00	24.98	PK+	V

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

Note: (1) All Readings are Peak.

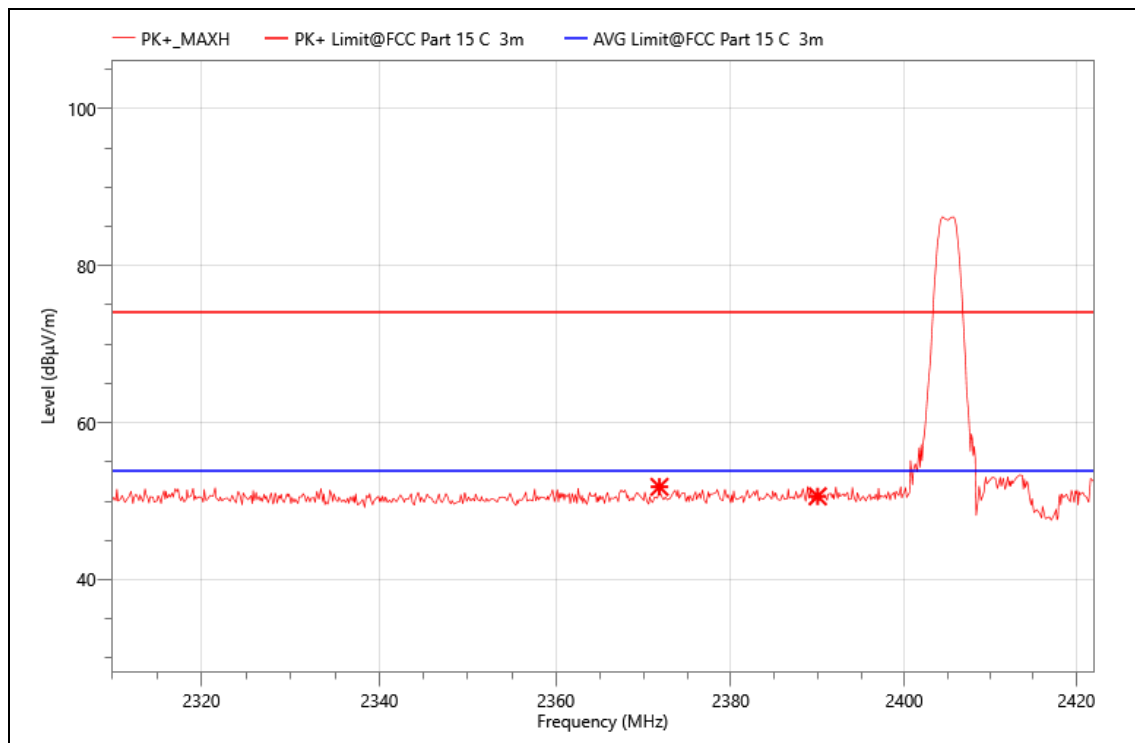
(2) Note: 1. Meas. = Reading + Corr. ; Margin= Limit - Meas.

(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:

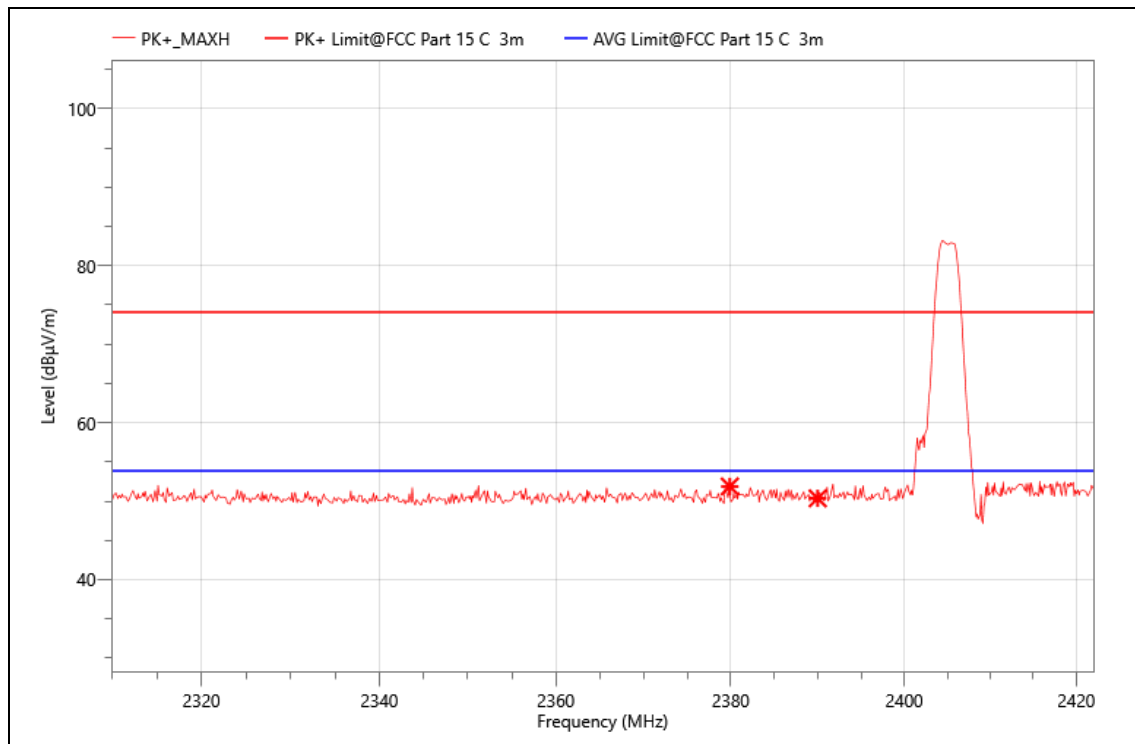
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2371.824	25.95	25.87	51.82	74.00	22.18	PK+	V
2	2390.000	24.66	25.96	50.62	74.00	23.38	PK+	V

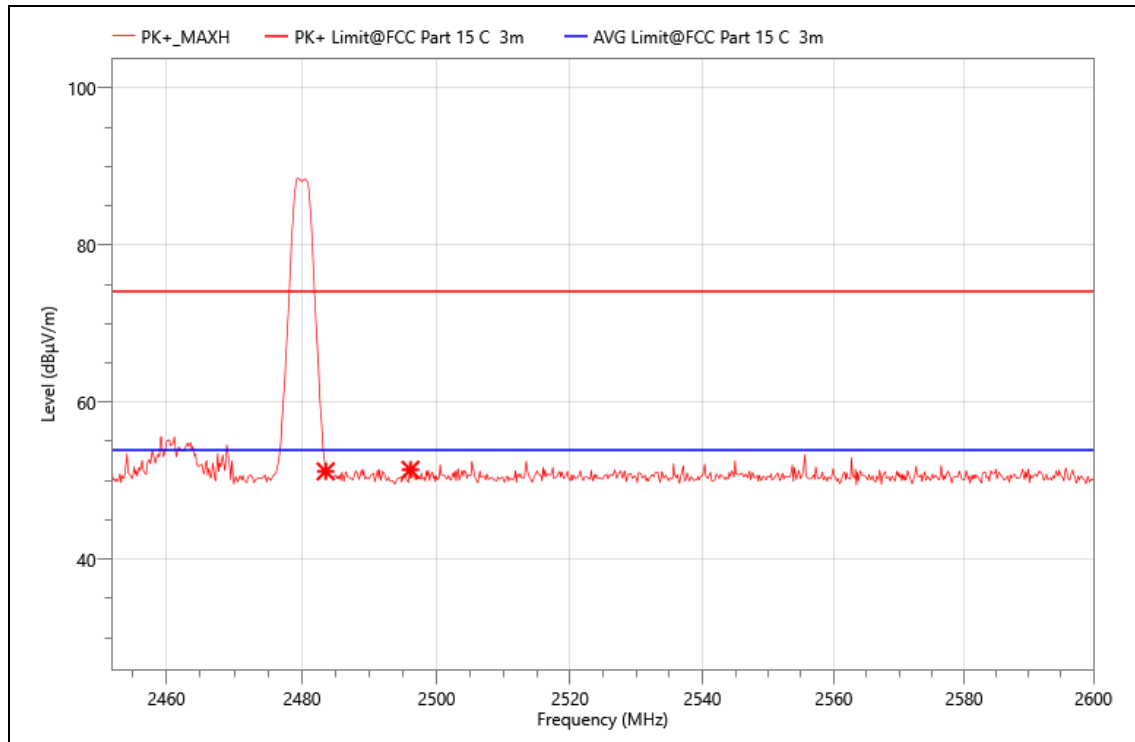
EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2405
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2379.888	25.96	25.92	51.88	74.00	22.12	PK+	H
2	2390.000	24.40	25.96	50.36	74.00	23.64	PK+	H

EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2480
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa

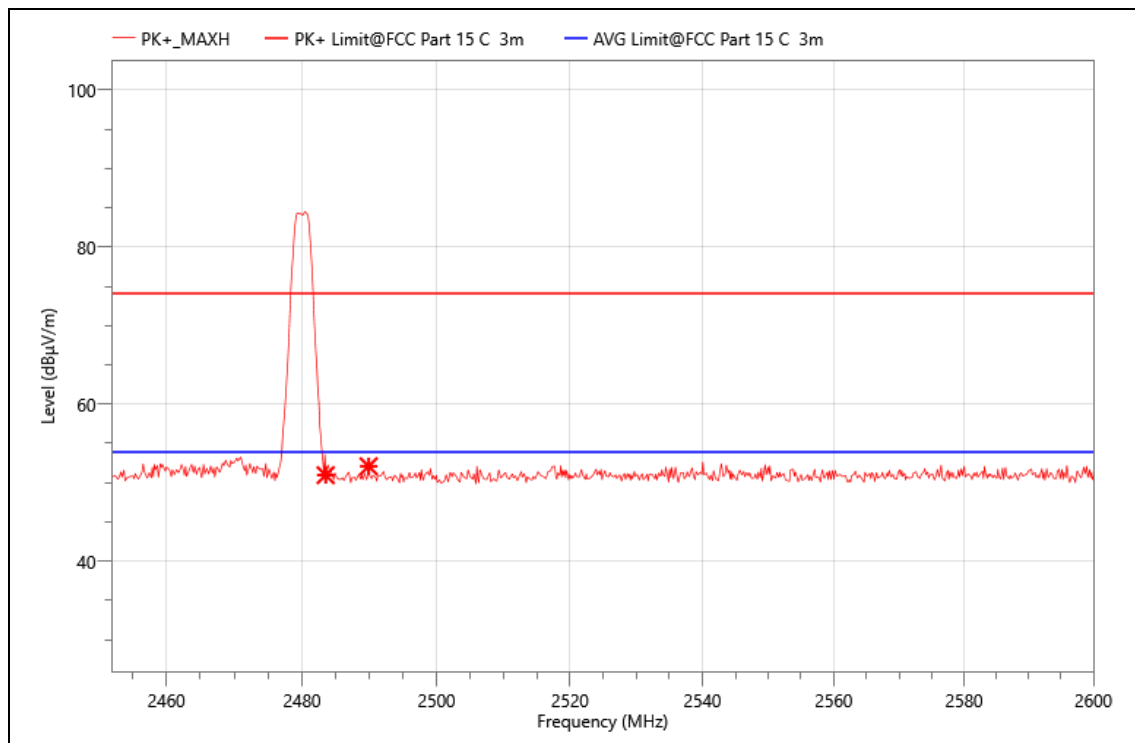


Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2483.500	25.47	25.71	51.18	74.00	22.82	PK+	V
2	2496.104	25.64	25.75	51.39	74.00	22.61	PK+	V

Note : [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]

EUT :	Smart Motion Sensor
MN:	M1-M
Mode:	Matter 2480
Power:	DC 3V
TE:	Vier
Date	2023/12/19
T/A/P	25°C/54%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	2483.500	25.24	25.71	50.95	74.00	23.05	PK+	H
2	2489.888	26.35	25.73	52.08	74.00	21.92	PK+	H

Note : [Margin=Limit-Meas.]; [Meas.=Reading+Corr.]