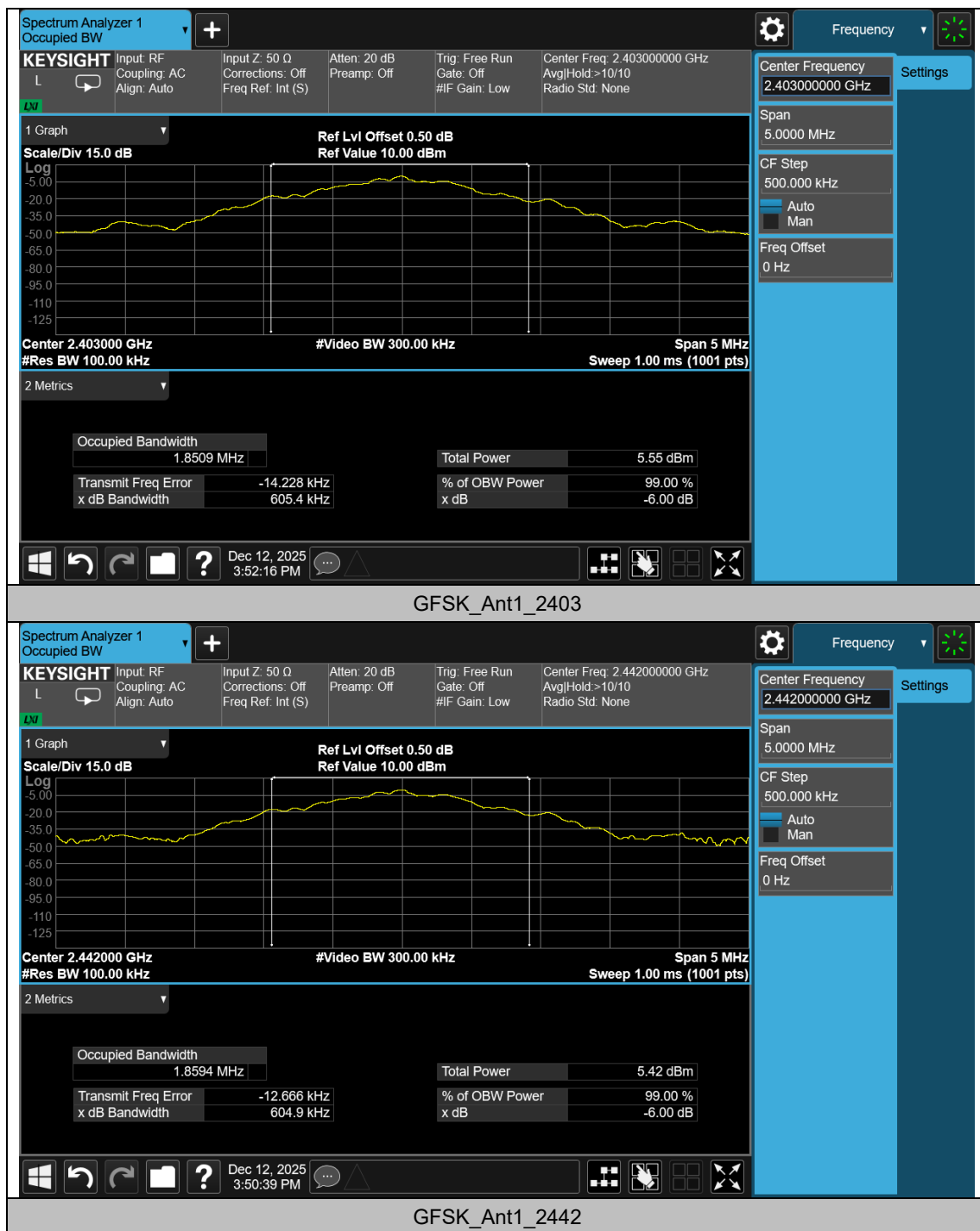


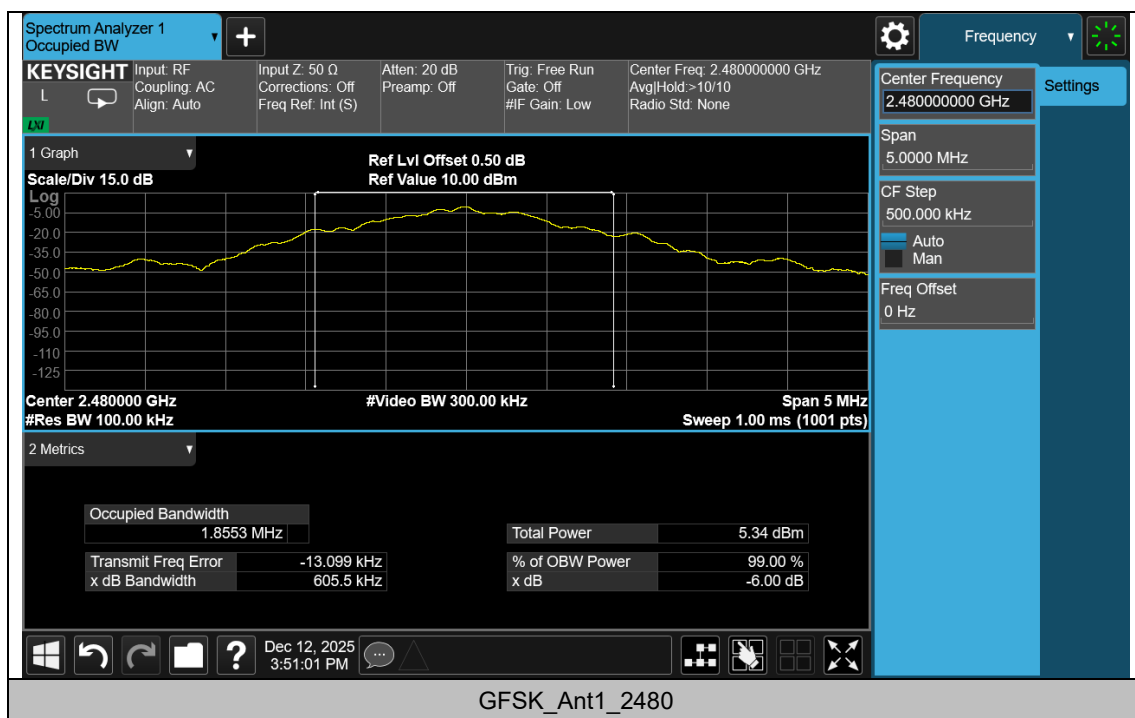
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2403	0.6054	0.5	PASS
		2442	0.6049	0.5	PASS
		2480	0.6055	0.5	PASS

Test Graphs



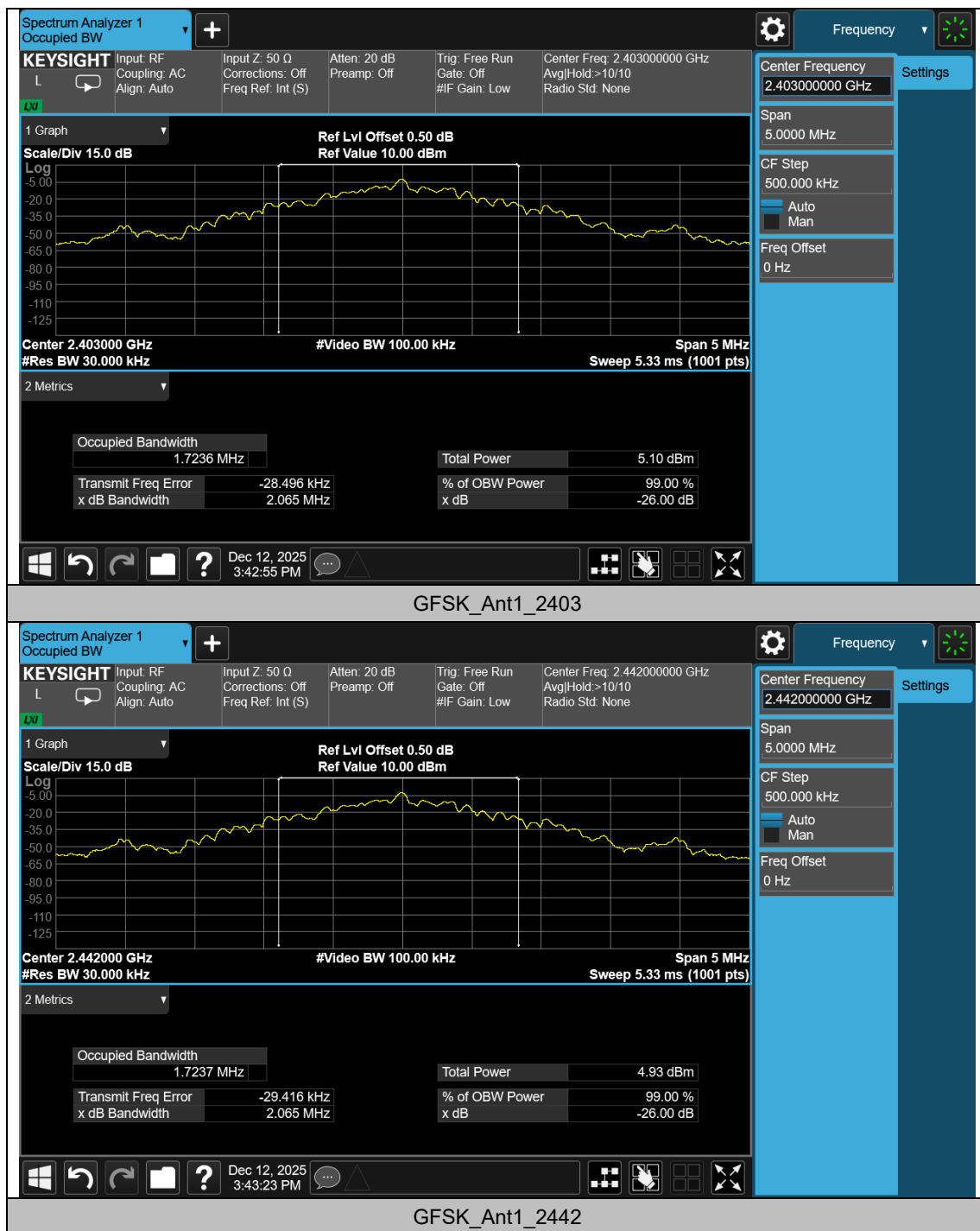


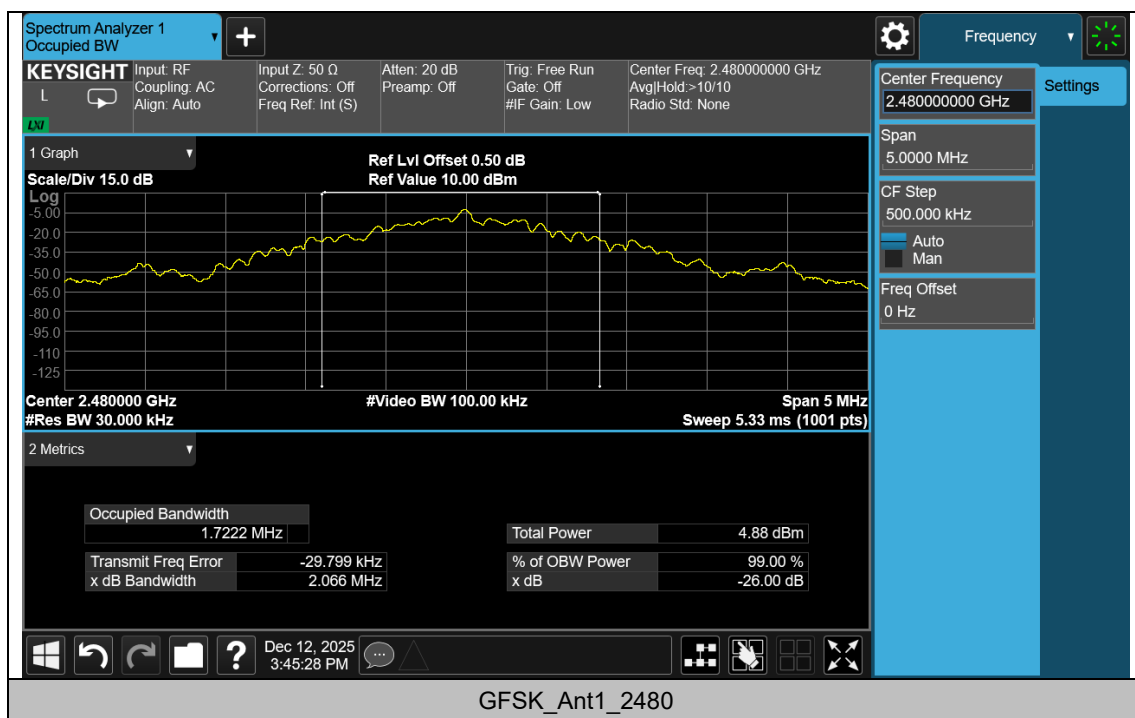
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2403	2.065	---	---
		2442	2.065	---	---
		2480	2.066	---	---

Test Graphs





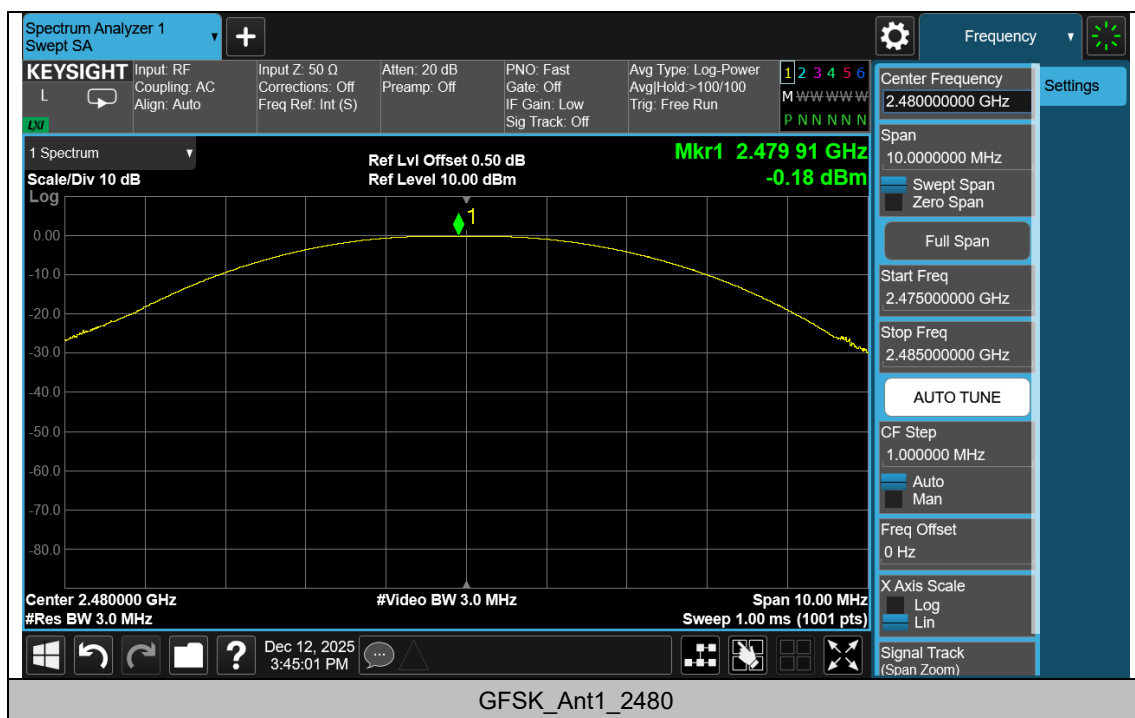
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
GFSK	Ant1	2403	-0.02	≤30	PASS
		2442	-0.17	≤30	PASS
		2480	-0.18	≤30	PASS

Test Graphs Peak



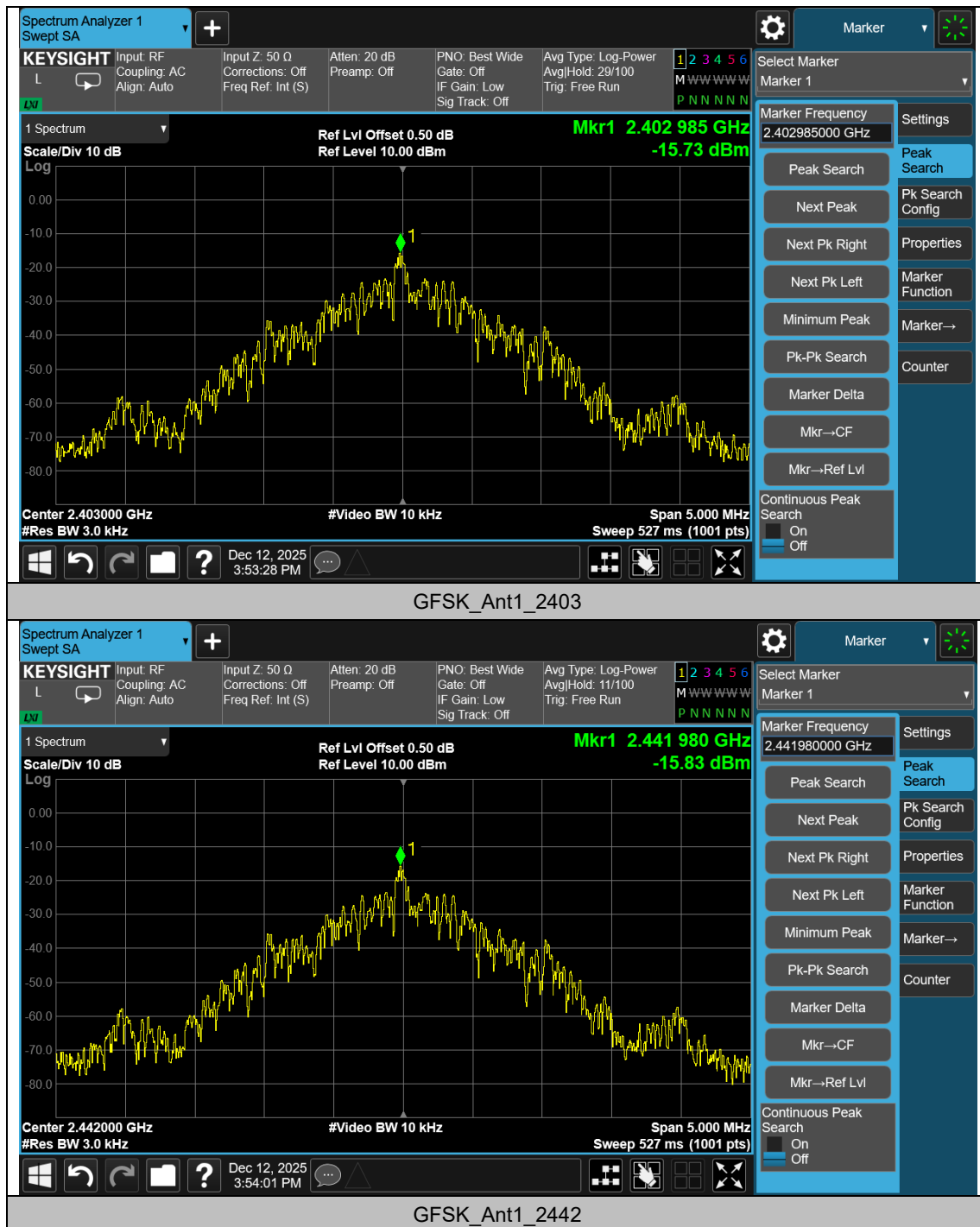


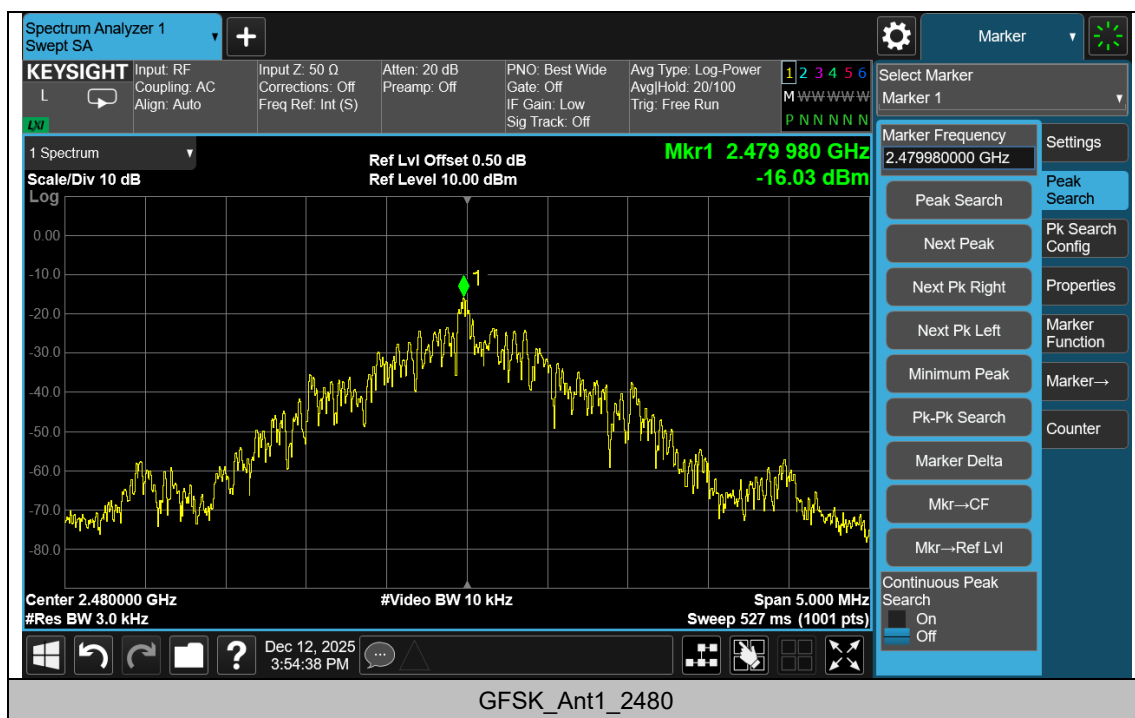
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
GFSK	Ant1	2403	-15.73	≤8.00	PASS
		2442	-15.83	≤8.00	PASS
		2480	-16.03	≤8.00	PASS

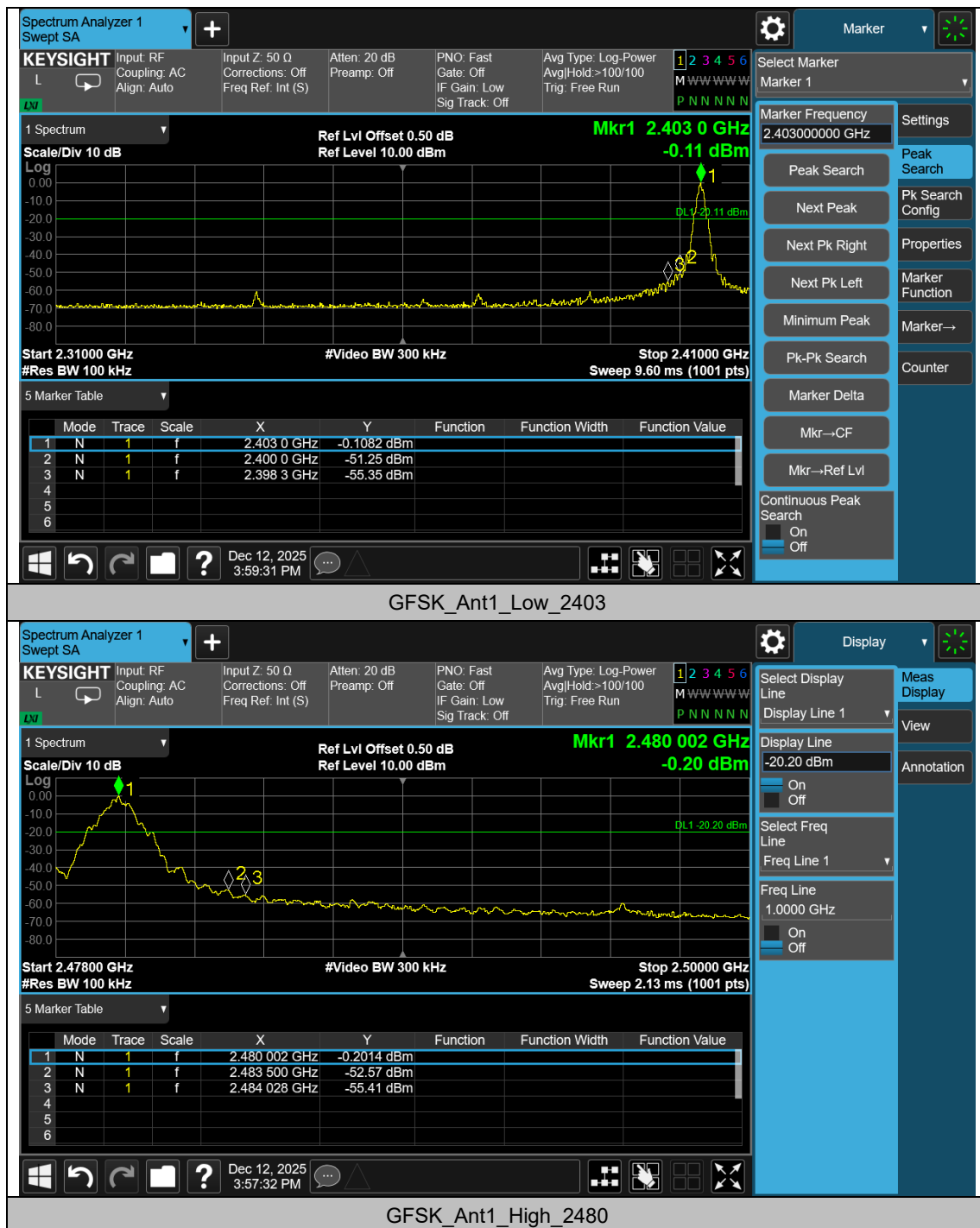
Test Graphs





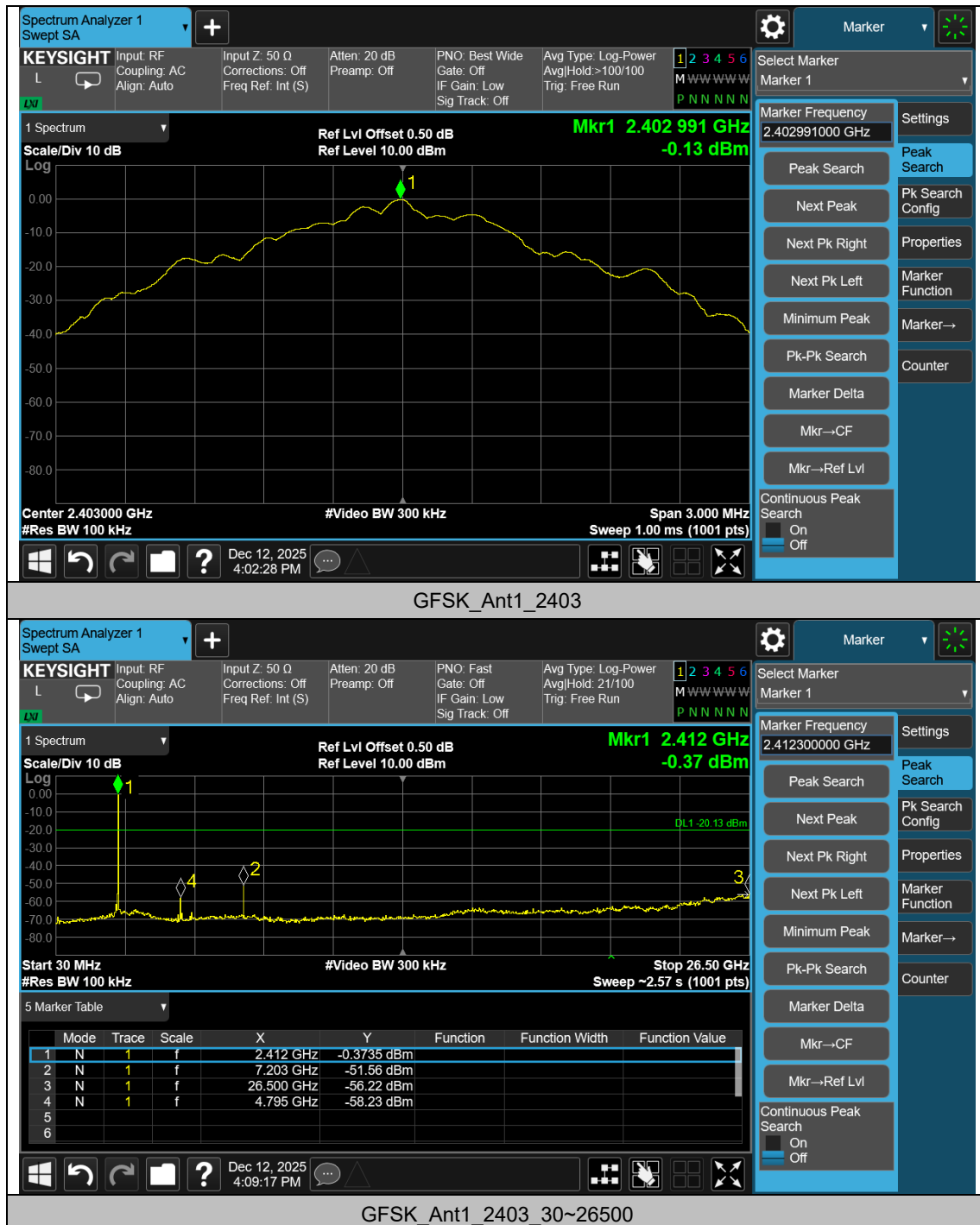
Appendix E: Band edge measurements

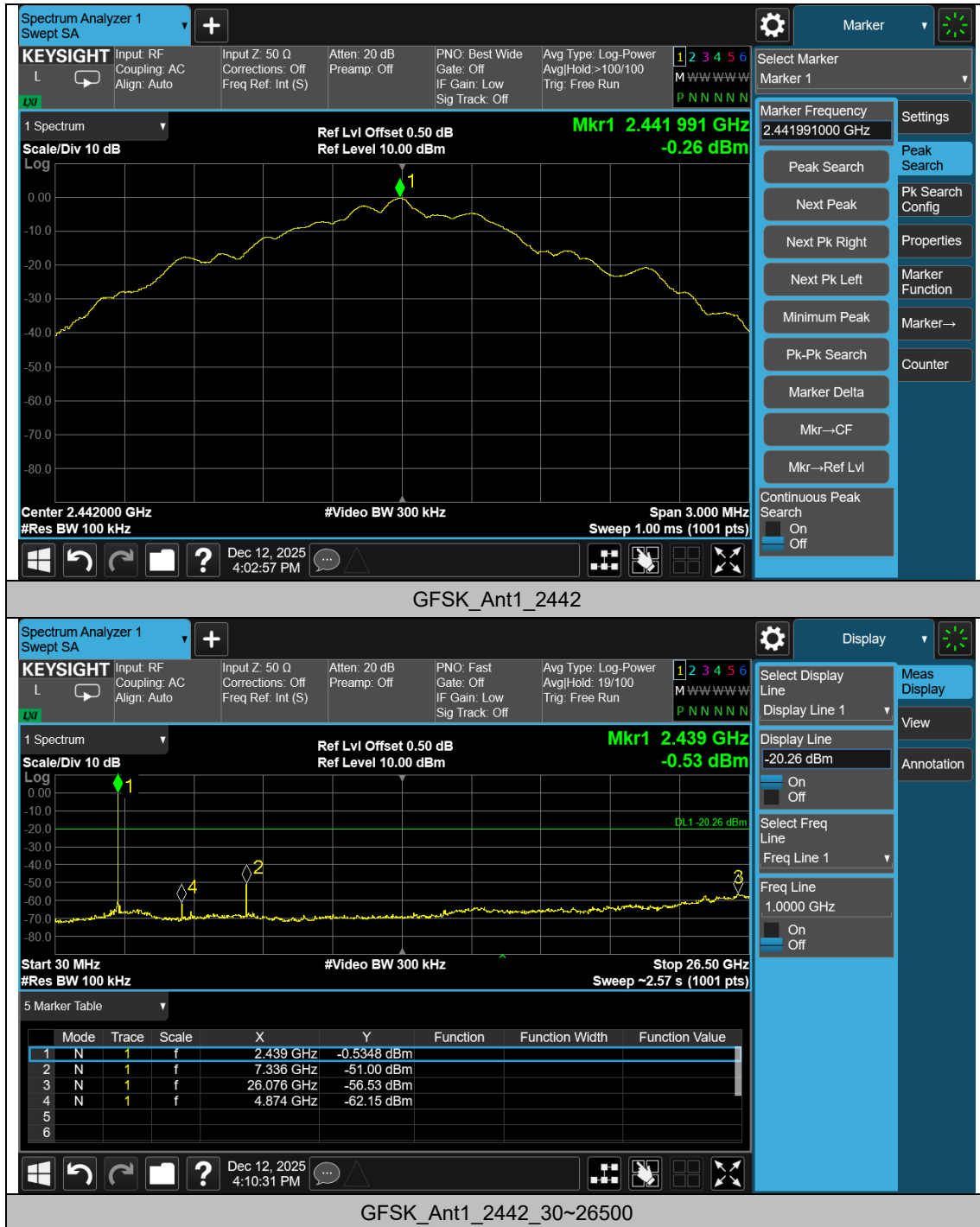
Test Result

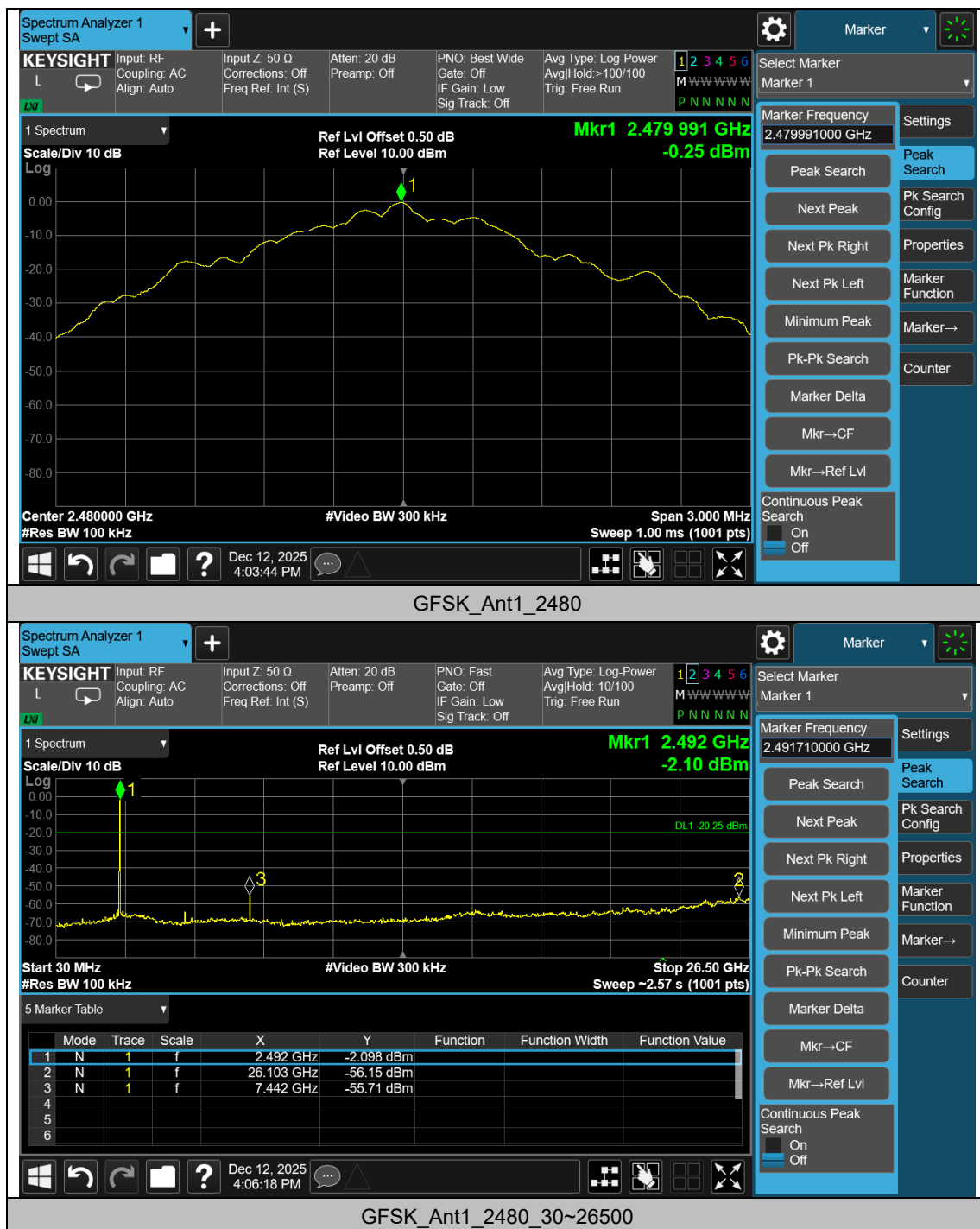


Appendix F: Conducted Spurious Emission

Test Result





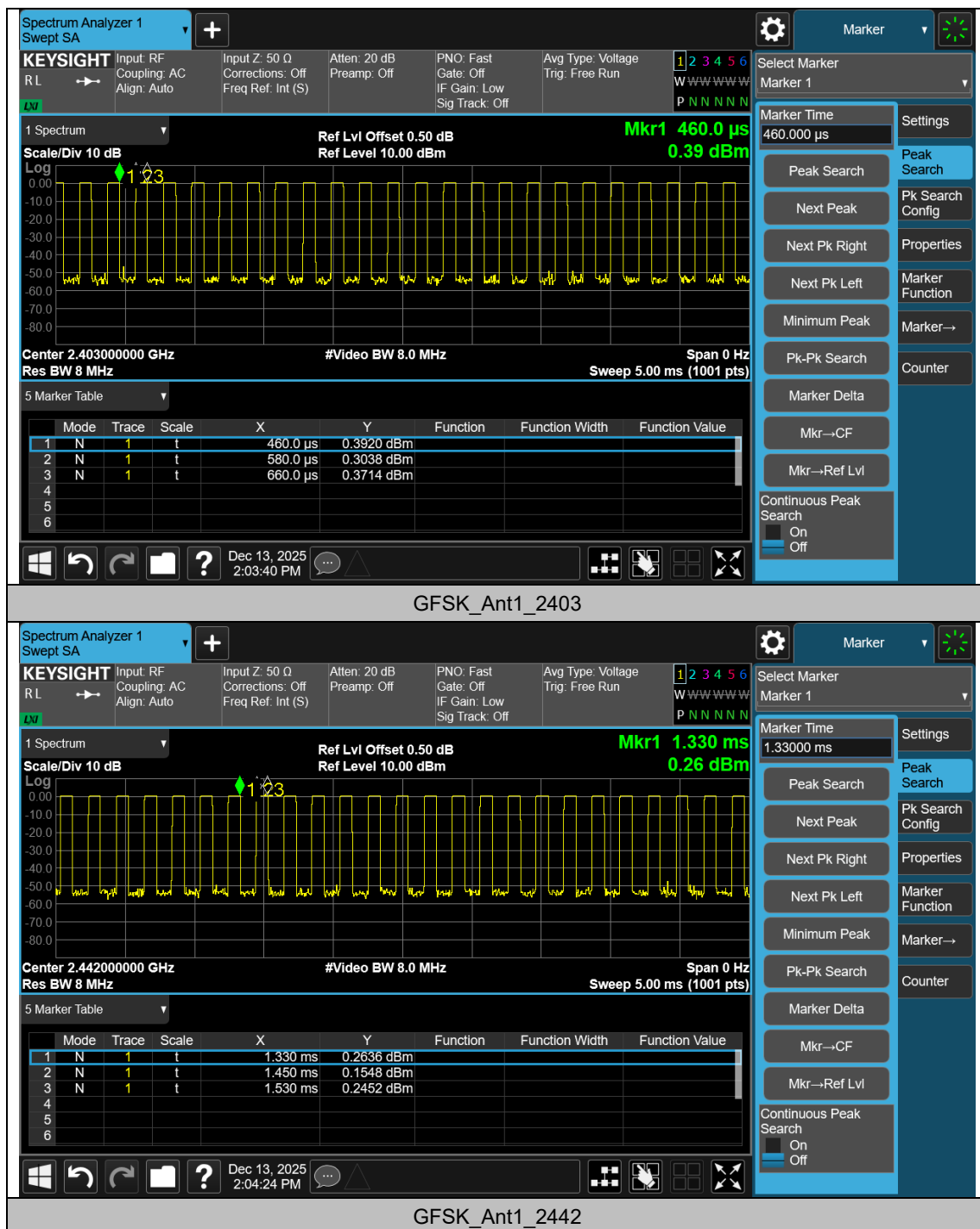


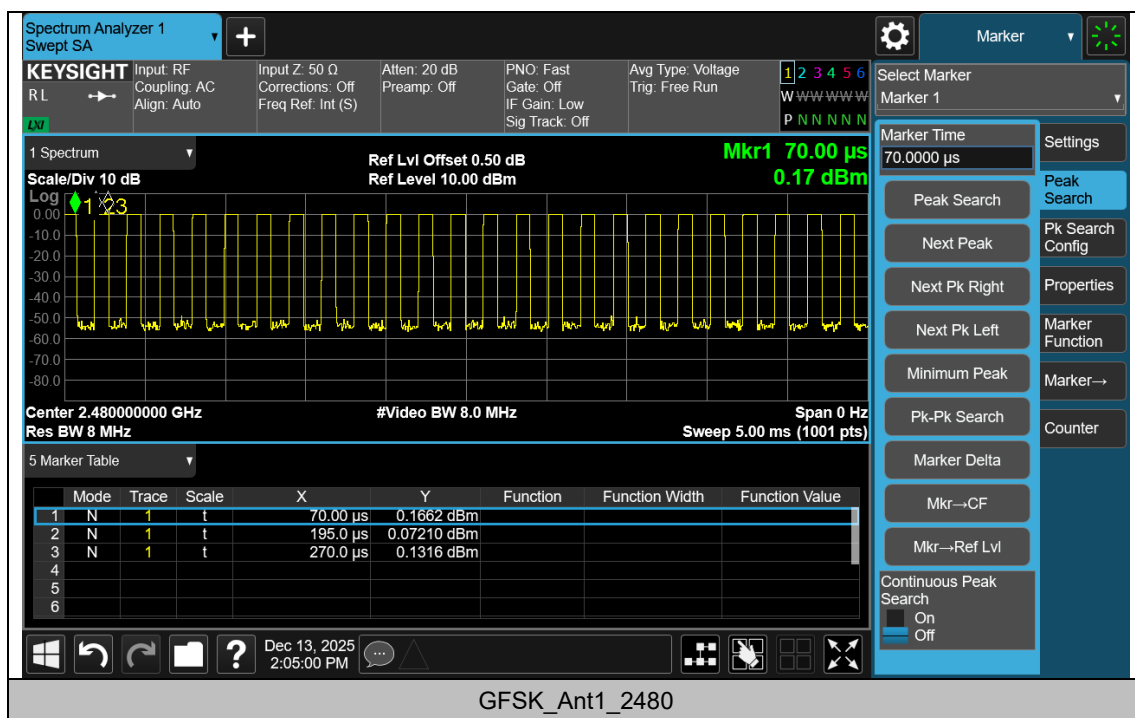
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
GFSK	Ant1	2403	0.08	0.2	40
		2442	0.08	0.2	40
		2480	0.075	0.2	37.5

Test Graphs





Appendix H: Emissions in Restricted Bands

Test Result

Mode:	GFSK-2403
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Final Data List											
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	3.12	27.2	30.32	74.00	43.68	54.00	150	246	Horizontal	PASS
2	2321.36	3.33	27.32	30.65	74.00	43.35	54.00	150	337	Horizontal	PASS
3	2339.04	3.31	27.43	30.74	74.00	43.26	54.00	150	32	Horizontal	PASS
4	2354.8	3.53	27.32	30.85	74.00	43.15	54.00	150	47	Horizontal	PASS
5	2365.36	3.67	27.11	30.78	74.00	43.22	54.00	150	218	Horizontal	PASS
6	2390	4.38	27.39	31.77	74.00	42.23	54.00	150	159	Horizontal	PASS

Final Data List											
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310	3.12	27.2	30.32	74.00	43.68	54.00	150	194	Vertical	PASS
2	2325.36	3.32	27.18	30.50	74.00	43.50	54.00	150	19	Vertical	PASS
3	2340.72	3.34	27.26	30.60	74.00	43.40	54.00	150	327	Vertical	PASS
4	2350.64	3.55	27.24	30.79	74.00	43.21	54.00	150	76	Vertical	PASS
5	2366	3.66	27.09	30.75	74.00	43.25	54.00	150	60	Vertical	PASS
6	2390	4.38	27.36	31.74	74.00	42.26	54.00	150	40	Vertical	PASS

Mode:	GFSK-2480
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Final Data List											
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	3.46	34.85	38.31	74.00	35.69	54.00	150	84	Horizontal	PASS
2	2485.5295	3.50	34.75	38.25	74.00	35.75	54.00	150	183	Horizontal	PASS
3	2488.8955	3.55	34.71	38.26	74.00	35.74	54.00	150	43	Horizontal	PASS
4	2491.42	3.55	34.71	38.26	74.00	35.74	54.00	150	27	Horizontal	PASS
5	2494.1095	3.59	34.68	38.27	74.00	35.73	54.00	150	313	Horizontal	PASS
6	2500	3.50	34.66	38.16	74.00	35.84	54.00	150	142	Horizontal	PASS

Final Data List											
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5	3.46	34.74	38.20	74.00	35.80	54.00	150	141	Vertical	PASS
2	2485.3315	3.52	34.71	38.23	74.00	35.77	54.00	150	35	Vertical	PASS
3	2488.945	3.56	34.7	38.26	74.00	35.74	54.00	150	263	Vertical	PASS
4	2492.641	3.57	34.69	38.26	74.00	35.74	54.00	150	65	Vertical	PASS
5	2495.182	3.56	34.68	38.24	74.00	35.76	54.00	150	222	Vertical	PASS
6	2500	3.50	34.65	38.15	74.00	35.85	54.00	150	344	Vertical	PASS

Appendix I: Spurious emissions

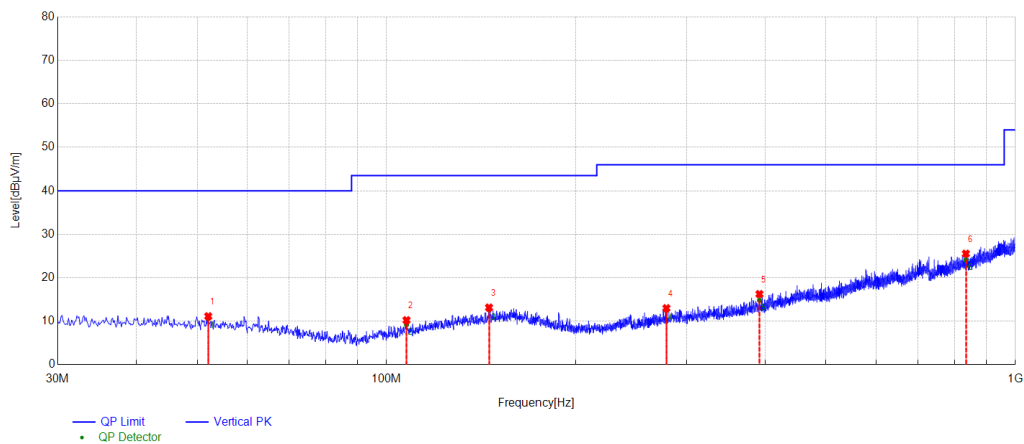
Test Result

Note:

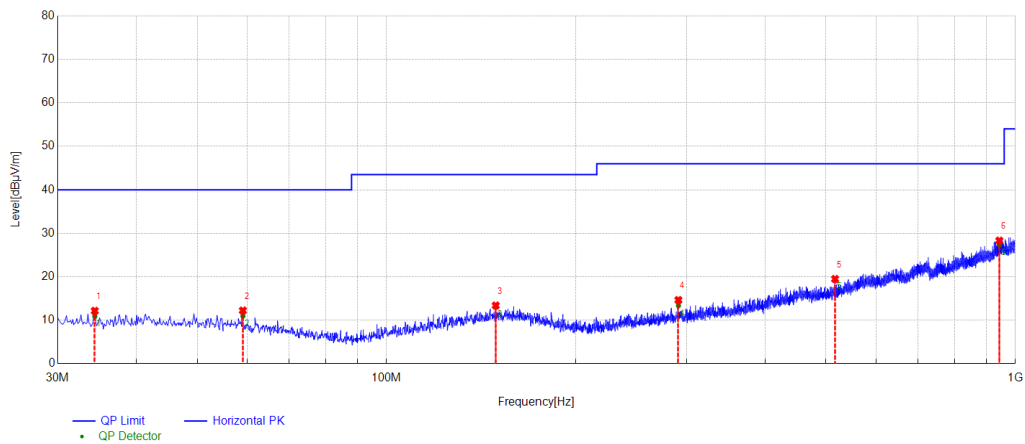
The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case (2480MHz) condition was recorded in this report.

The measurement results above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz are reported.



QP Final Data List									
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	52.0675	-16.27	10.66	40.00	29.34	200	14	Vertical	PASS
2	107.6000	-18.84	9.22	43.50	34.28	100	98	Vertical	PASS
3	145.5512	-16.18	12.66	43.50	30.84	100	326	Vertical	PASS
4	278.6837	-16.74	12.52	46.00	33.48	200	232	Vertical	PASS
5	391.8100	-13.69	14.80	46.00	31.20	200	87	Vertical	PASS
6	834.3725	-4.46	24.08	46.00	21.92	100	53	Vertical	PASS


QP Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	34.3650	-16.27	10.87	40.00	29.13	100	94	Horizontal	PASS
2	59.1000	-16.80	10.94	40.00	29.06	100	20	Horizontal	PASS
3	149.1888	-15.93	13.06	43.50	30.44	200	91	Horizontal	PASS
4	291.1725	-16.36	13.35	46.00	32.65	200	257	Horizontal	PASS
5	516.8188	-11.11	19.46	46.00	26.54	200	125	Horizontal	PASS
6	943.0125	-1.57	27.31	46.00	18.69	200	219	Horizontal	PASS

Mode:	GFSK-2403
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Final Data List											
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dB μ V/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	AV Limit [dB μ V/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	3783	-16.56	59.33	42.77	74.00	31.23	54.00	150	349	Horizontal	PASS
2	4532.25	-14.98	58.78	43.80	74.00	30.20	54.00	150	109	Horizontal	PASS
3	6237	-10.35	55.43	45.08	74.00	28.92	54.00	150	62	Horizontal	PASS
4	7210.5	-10.21	59.16	48.95	74.00	25.05	54.00	150	28	Horizontal	PASS
5	10584	-5.39	54.21	48.82	74.00	25.18	54.00	150	325	Horizontal	PASS
6	11541.75	-3.27	53.04	49.77	74.00	24.23	54.00	150	328	Horizontal	PASS

Final Data List														
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dB μ V/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	AV Reading [dB μ V/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3633	-16.83	58.83	42.00	74.00	32.00			54.00		150	331	Vertical	PASS
2	4038	-15.67	58.51	42.84	74.00	31.16			54.00		150	360	Vertical	PASS
3	5404.5	-12.72	56.68	43.96	74.00	30.04			54.00		150	65	Vertical	PASS
4	6349.5	-10.49	55.91	45.42	74.00	28.58			54.00		150	156	Vertical	PASS
5	7209.93	-10.25	64.03	53.78	74.00	20.22	63.42	53.17	54.00	0.83	115.3	36.1	Vertical	PASS
6	9514.5	-6.98	53.92	46.94	74.00	27.06			54.00		150	217	Vertical	PASS

Mode:

GFSK-2442

Final Data List

NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	3777.75	-16.64	59.16	42.52	74.00	31.48	54.00	150	62	Horizontal	PASS
2	4408.5	-14.99	58.06	43.07	74.00	30.93	54.00	150	214	Horizontal	PASS
3	5724.75	-12.12	56.57	44.45	74.00	29.55	54.00	150	32	Horizontal	PASS
4	7325.25	-10.19	60.46	50.27	74.00	23.73	54.00	150	32	Horizontal	PASS
5	10320	-5.70	53.44	47.74	74.00	26.26	54.00	150	5	Horizontal	PASS
6	11916.75	-2.54	52.69	50.15	74.00	23.85	54.00	150	281	Horizontal	PASS

Final Data List

NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	3680.25	-16.42	60.12	43.70	74.00	30.30	54.00	150	349	Vertical	PASS
2	4485.75	-14.52	57.33	42.81	74.00	31.19	54.00	150	150	Vertical	PASS
3	5454	-12.47	56.8	44.33	74.00	29.67	54.00	150	187	Vertical	PASS
4	6224.25	-10.70	56.41	45.71	74.00	28.29	54.00	150	99	Vertical	PASS
5	7326	-10.20	60.84	50.64	74.00	23.36	54.00	150	42	Vertical	PASS
6	9162.75	-7.86	53.89	46.03	74.00	27.97	54.00	150	28	Vertical	PASS

Mode:

GFSK-2480

Final Data List

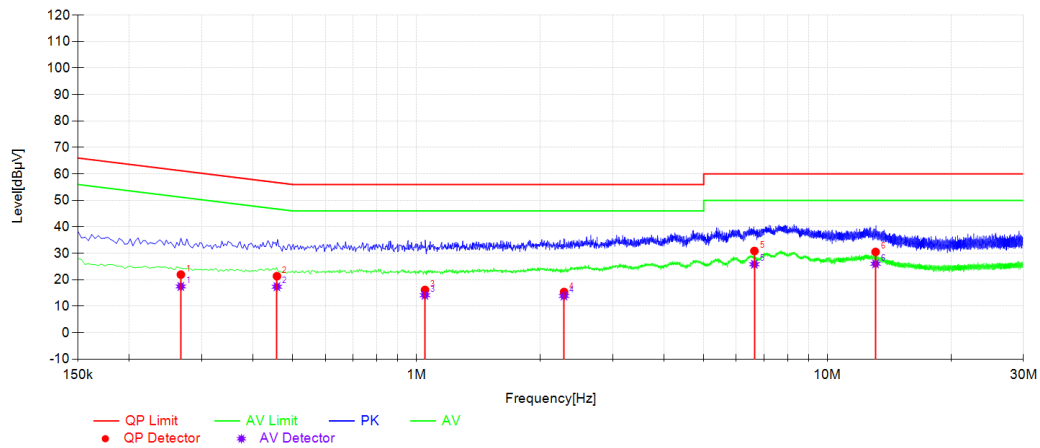
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	3266.25	-17.05	59.1	42.05	74.00	31.95	54.00	150	322	Horizontal	PASS
2	4536	-14.94	57.92	42.98	74.00	31.02	54.00	150	8	Horizontal	PASS
3	6294.75	-11.55	56.71	45.16	74.00	28.84	54.00	150	62	Horizontal	PASS
4	7439.25	-10.07	58.53	48.46	74.00	25.54	54.00	150	356	Horizontal	PASS
5	9864.75	-6.45	53.44	46.99	74.00	27.01	54.00	150	308	Horizontal	PASS
6	11461.5	-3.33	53.16	49.83	74.00	24.17	54.00	150	174	Horizontal	PASS

Final Data List

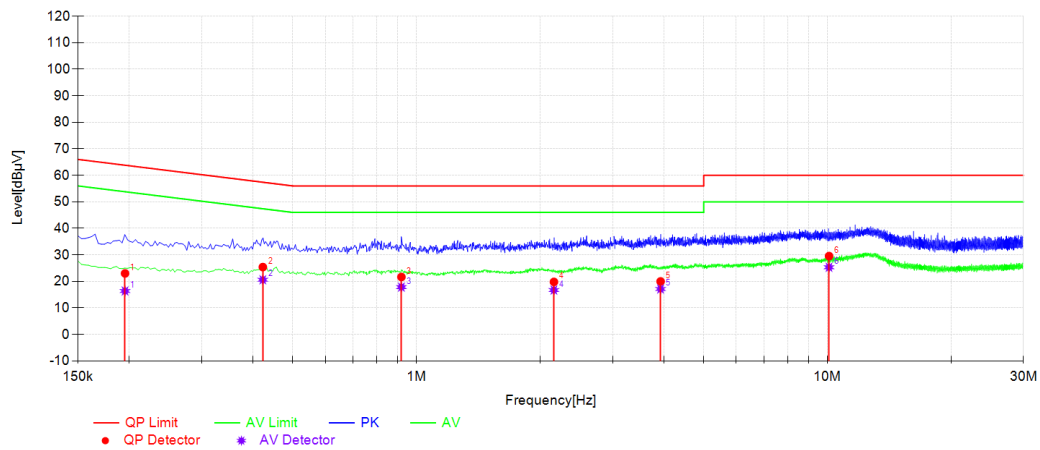
NO.	Frequency [MHz]	Factor [dB]	PK Reading [dBμV/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Limit [dBμV/m]	Height [cm]	Angle [°]	Polarity	Verdict
1	3317.25	-17.53	60.08	42.55	74.00	31.45	54.00	150	244	Vertical	PASS
2	4570.5	-14.74	58.1	43.36	74.00	30.64	54.00	150	254	Vertical	PASS
3	6239.25	-10.26	54.72	44.46	74.00	29.54	54.00	150	102	Vertical	PASS
4	7440	-10.03	58.75	48.72	74.00	25.28	54.00	150	281	Vertical	PASS
5	10839	-5.15	52.98	47.83	74.00	26.17	54.00	150	332	Vertical	PASS
6	11777.25	-2.73	51.93	49.20	74.00	24.80	54.00	150	257	Vertical	PASS

Appendix J: Conducted emission

Test Result



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Type	Verdict
1	0.2669	10.33	21.96	61.21	39.25	17.48	51.21	33.73	L1	PASS
2	0.4573	10.26	21.36	56.74	35.38	17.37	46.74	29.37	L1	PASS
3	1.0483	10.36	16.16	56.00	39.84	14.17	46.00	31.83	L1	PASS
4	2.2859	10.28	15.37	56.00	40.63	13.88	46.00	32.12	L1	PASS
5	6.6421	10.41	30.90	60.00	29.10	25.87	50.00	24.13	L1	PASS
6	13.0988	10.51	30.53	60.00	29.47	26.05	50.00	23.95	L1	PASS



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Type	Verdict
1	0.1952	10.35	23.02	63.81	40.79	16.38	53.81	37.43	N	PASS
2	0.4225	10.28	25.40	57.40	32.00	20.61	47.40	26.79	N	PASS
3	0.9187	10.26	21.68	56.00	34.32	17.85	46.00	28.15	N	PASS
4	2.1596	10.38	19.81	56.00	36.19	16.73	46.00	29.27	N	PASS
5	3.9259	10.40	20.00	56.00	36.00	17.14	46.00	28.86	N	PASS
6	10.0932	10.44	29.55	60.00	30.45	25.33	50.00	24.67	N	PASS