

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
SRD-2.4GHz	Ant1	2402	0.9489	0.5	PASS
		2441	0.9479	0.5	PASS
		2480	0.8728	0.5	PASS

Test Graphs



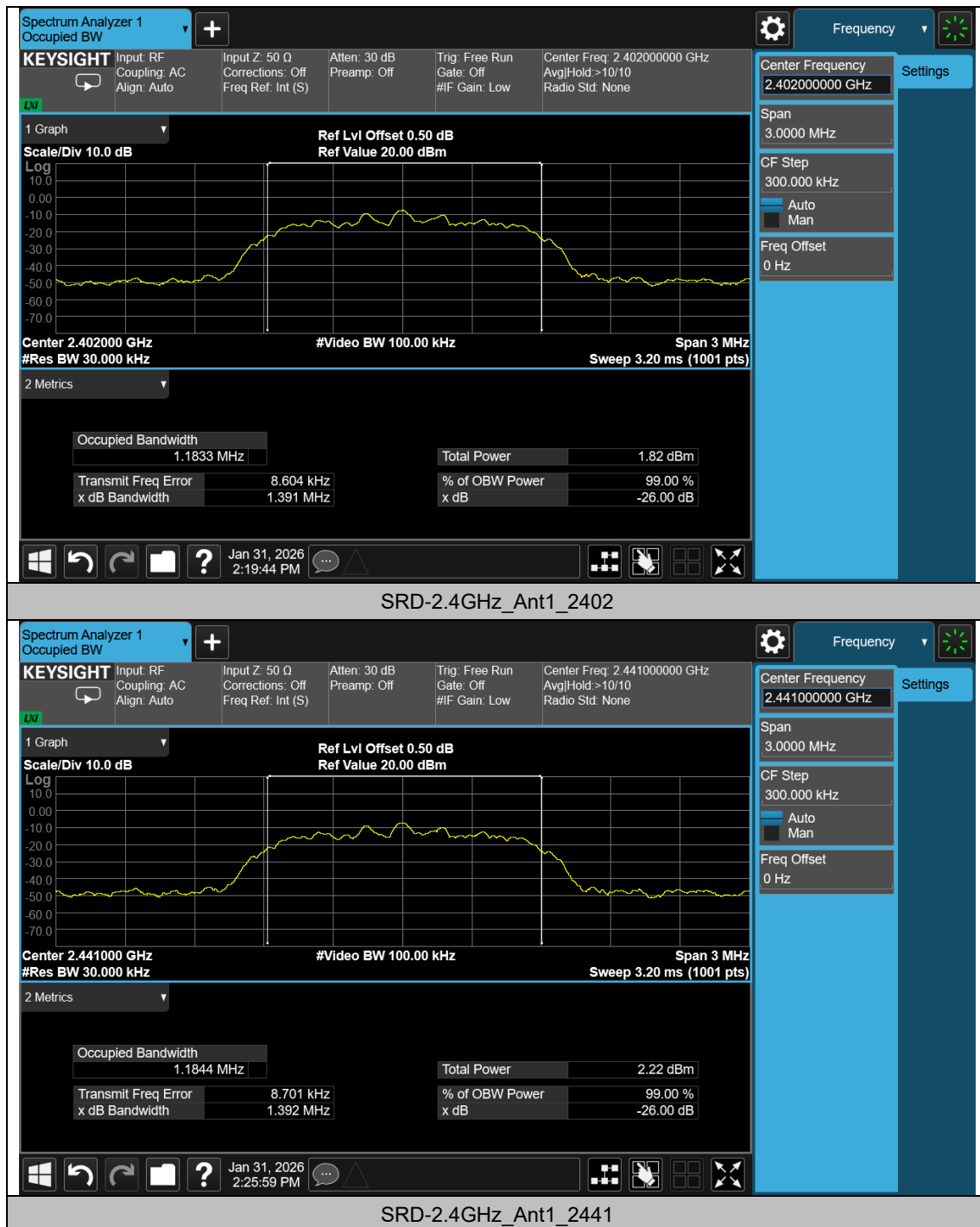


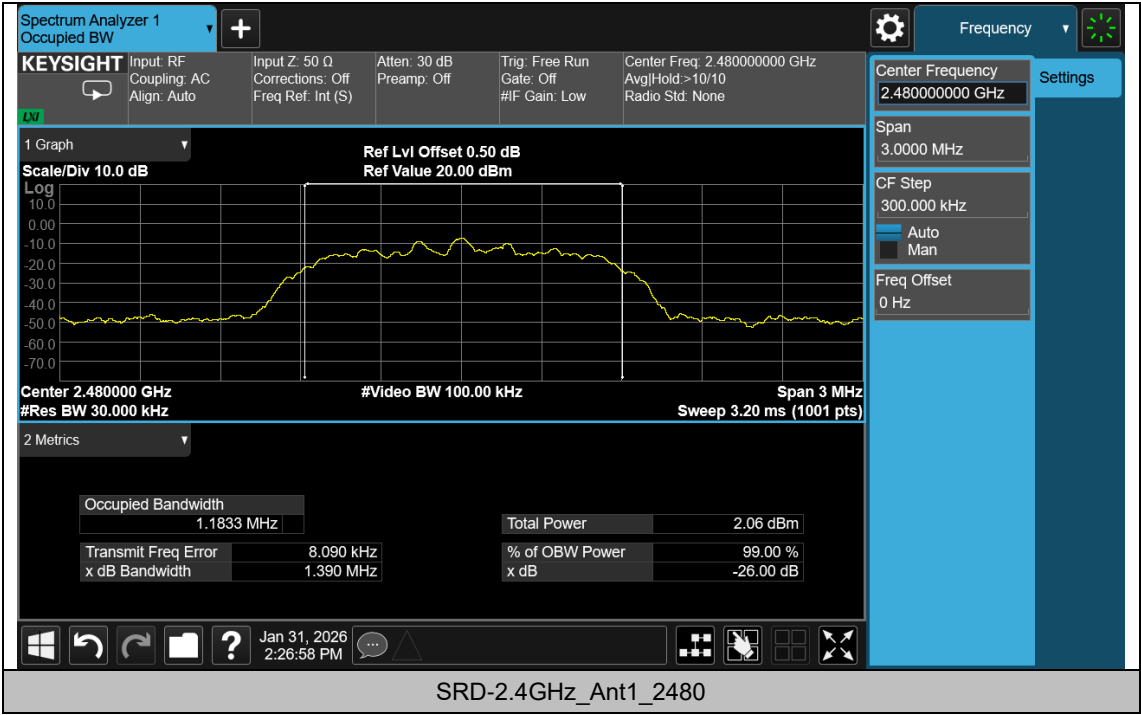
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD-2.4GHz	Ant1	2402	1.1833	2401.5128	2402.6961	---	---
		2441	1.1844	2440.5130	2441.6974	---	---
		2480	1.1833	2479.5111	2480.6944	---	---

Test Graphs





Appendix C: Maximum conducted output power

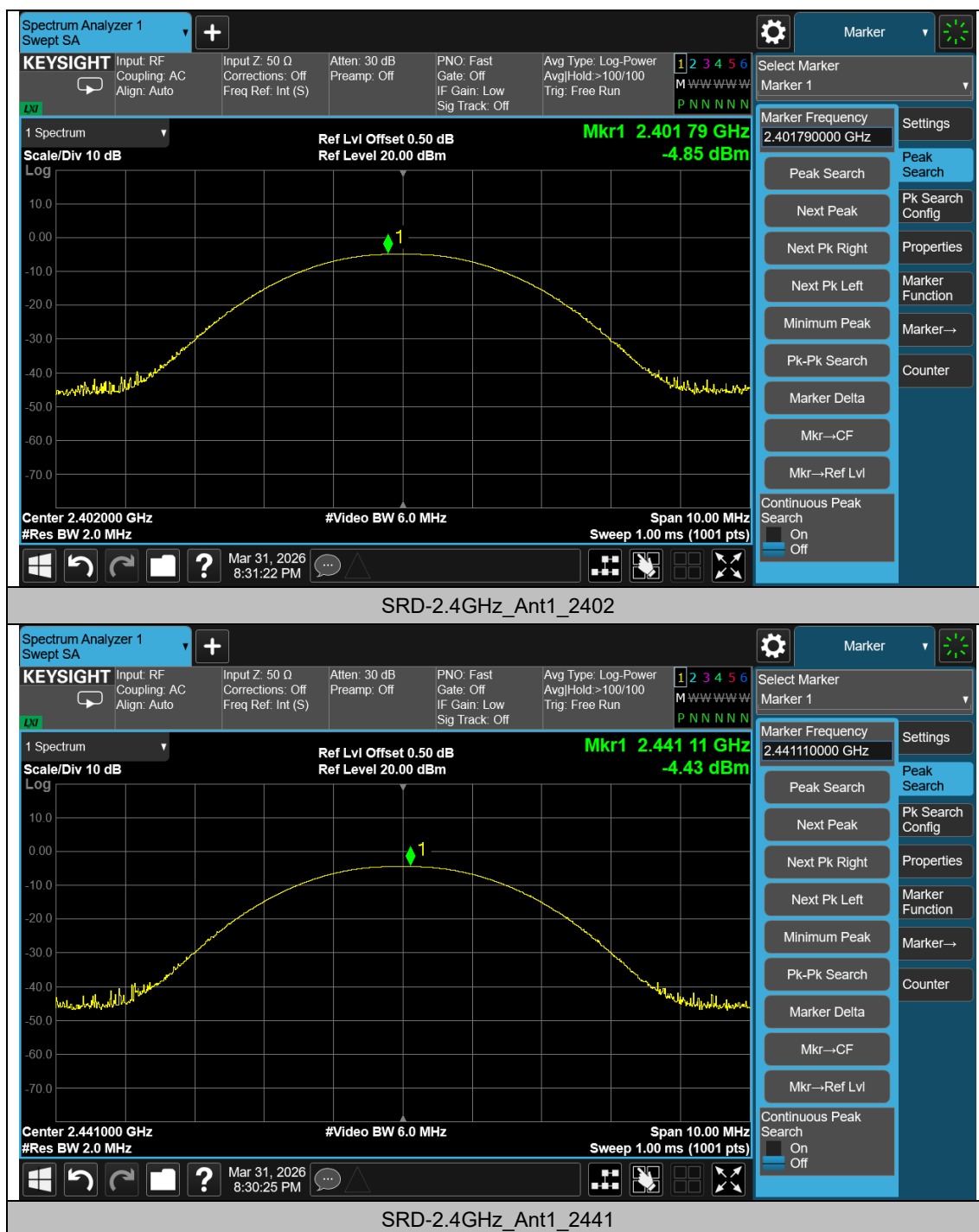
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
SRD-2.4GHz	Ant1	2402	-4.85	≤30	-2.76	≤36	PASS
		2441	-4.43	≤30	-2.34	≤36	PASS
		2480	-4.52	≤30	-2.43	≤36	PASS

EIRP[dBm]= Conducted Peak Power+ Antenna gain

Antenna gain:2.09dBi

Test Graphs Peak



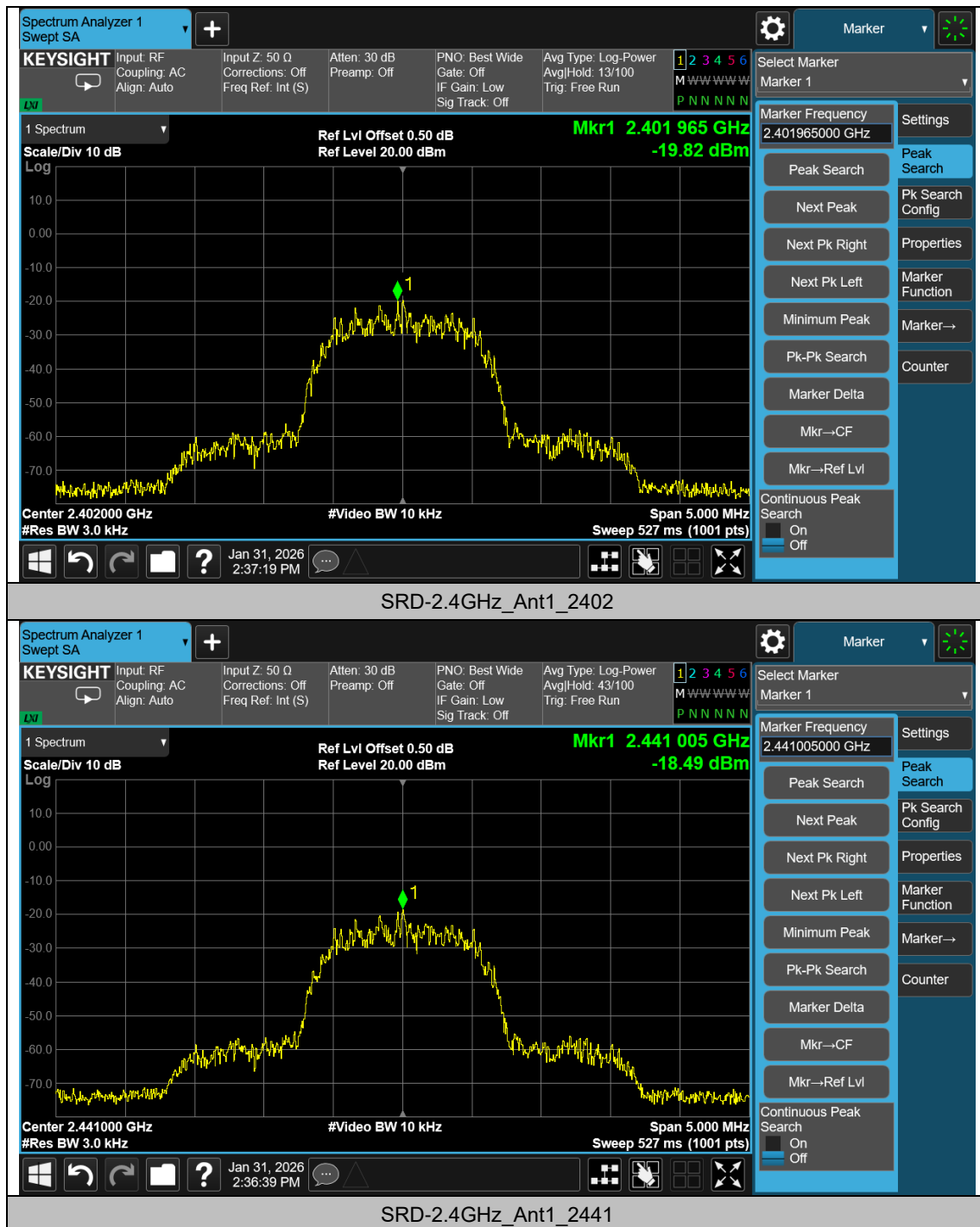


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD-2.4GHz	Ant1	2402	-19.82	≤8.00	PASS
		2441	-18.49	≤8.00	PASS
		2480	-18.53	≤8.00	PASS

Test Graphs



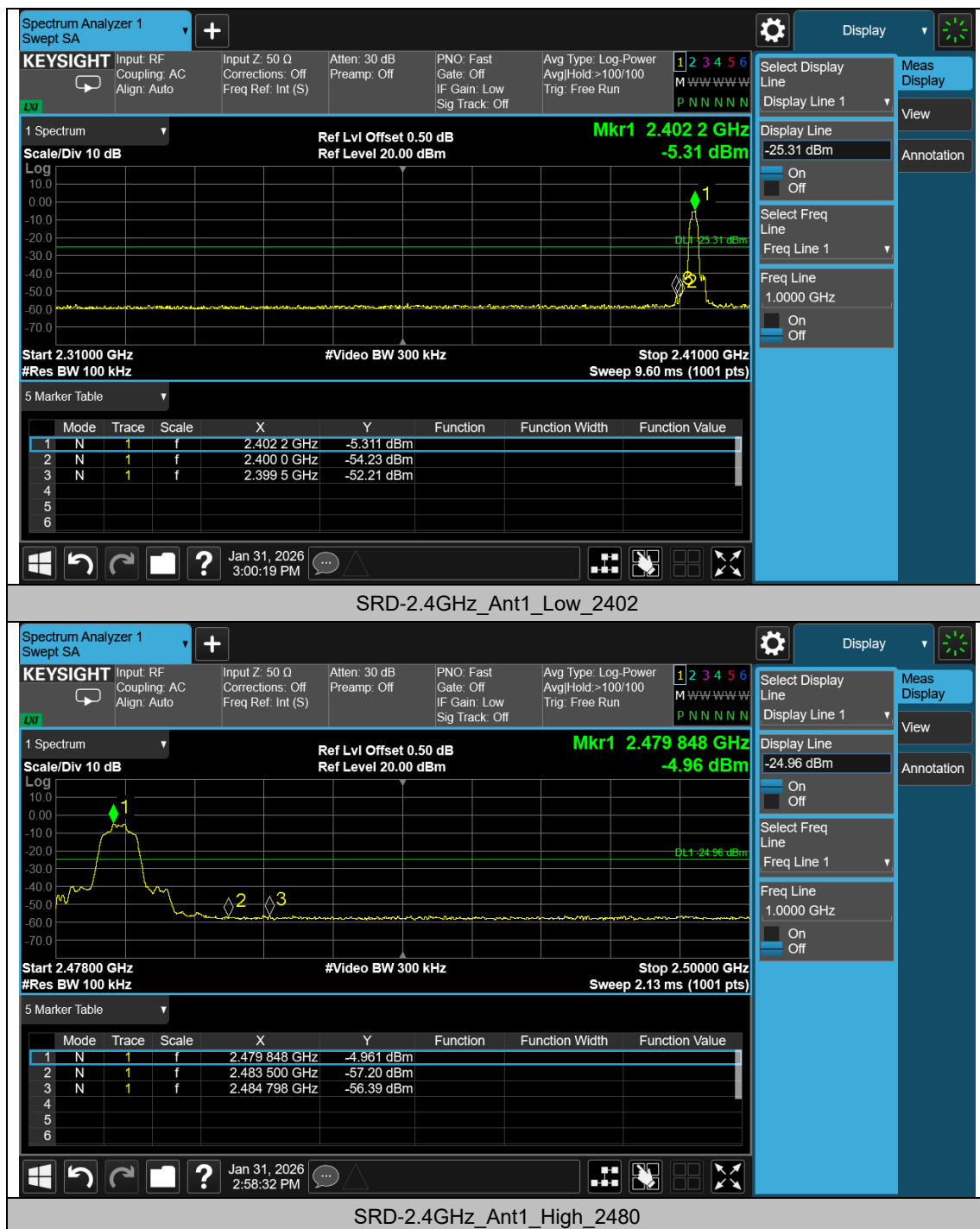


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD-2.4GHz	Ant1	Low	2402	-5.31	-54.23	≤-25.31	PASS
		High	2480	-4.96	-57.20	≤-24.96	PASS

Test Graphs



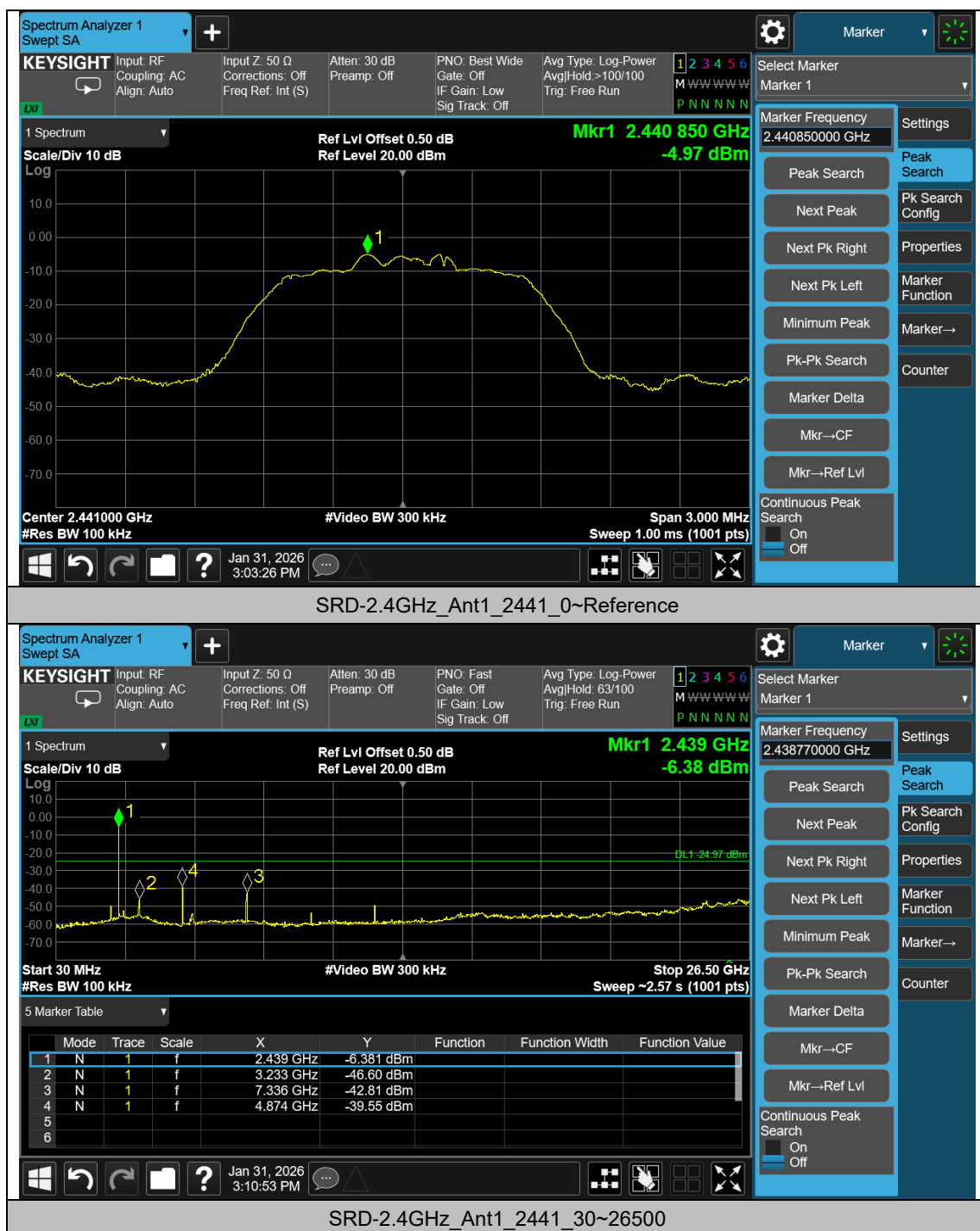
Appendix F: Conducted Spurious Emission

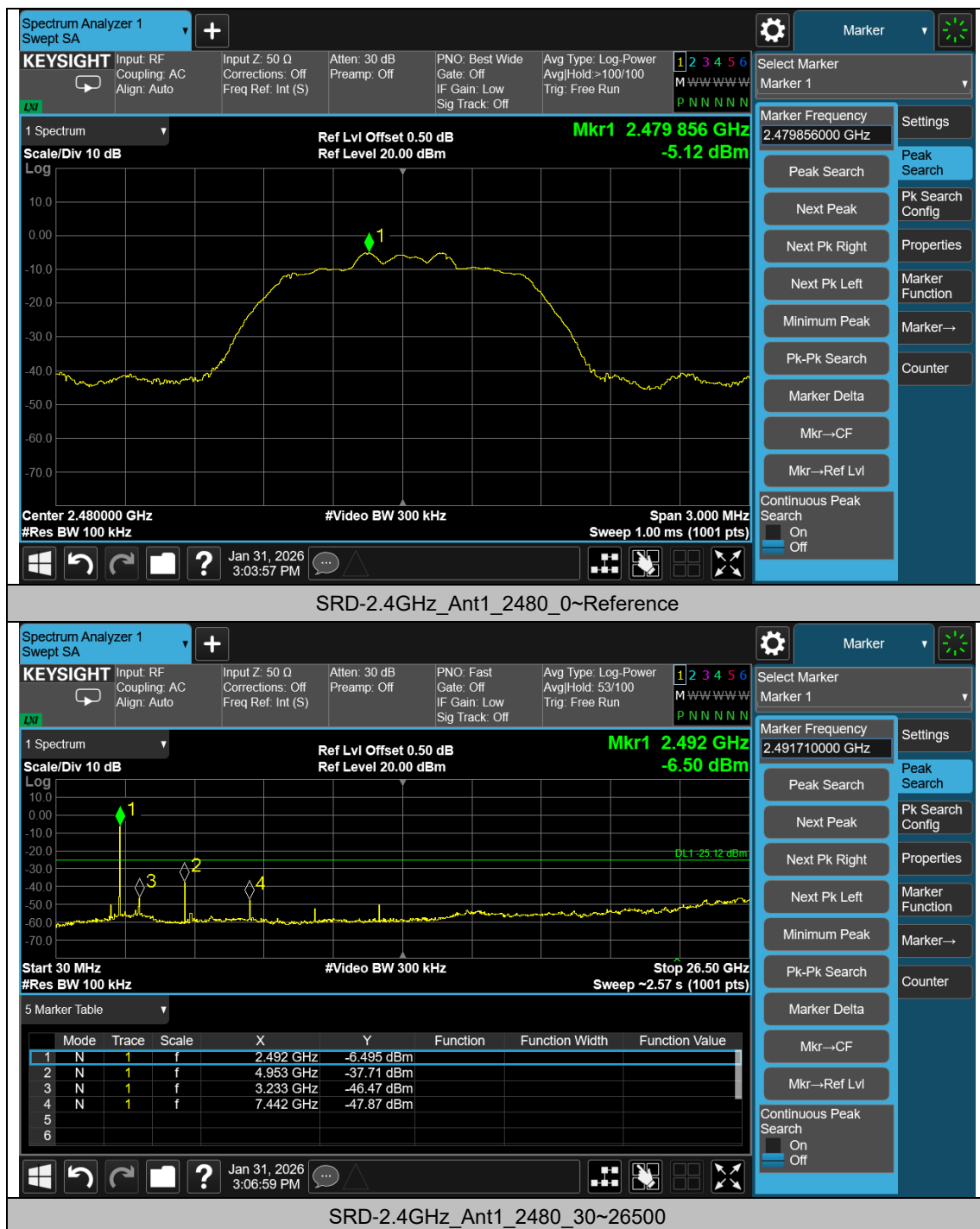
Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD-2.4GHz	Ant1	2402	Reference	-5.44	-5.44	---	PASS
			30~26500	-5.44	-42.34	≤-25.44	PASS
		2440	Reference	-4.97	-4.97	---	PASS
			30~26500	-4.97	-42.81	≤-24.97	PASS
		2480	Reference	-5.12	-5.12	---	PASS
			30~26500	-5.12	-37.71	≤-25.12	PASS

Test Graphs





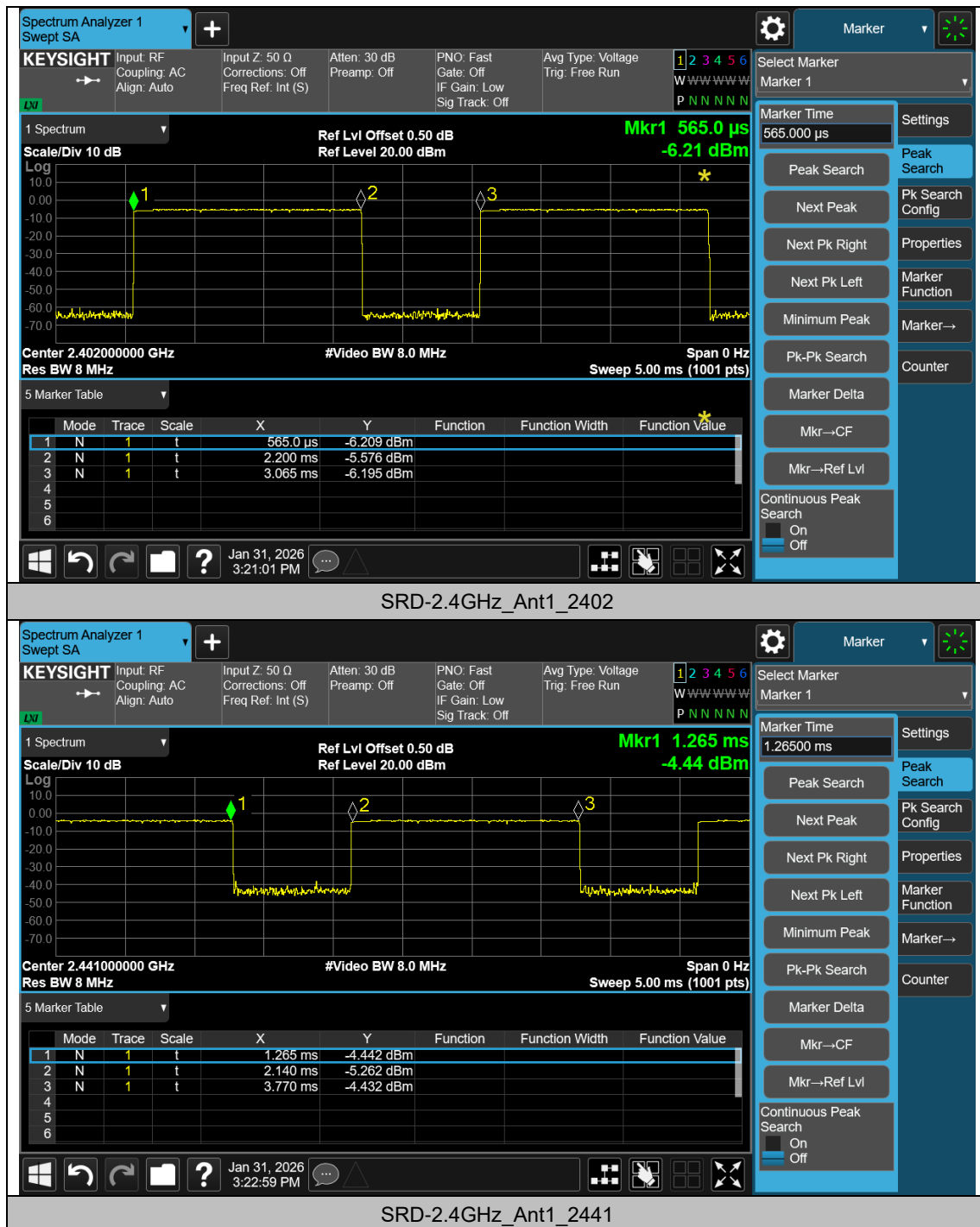


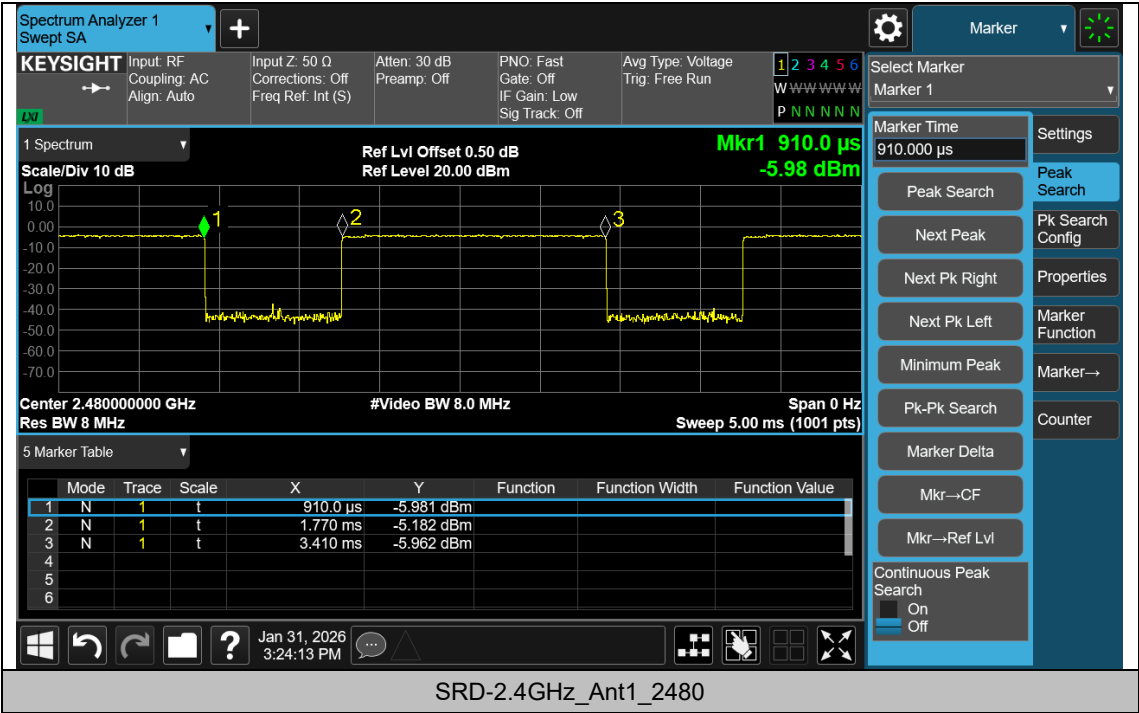
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
SRD-2.4GHz	Ant1	2402	1.635	2.500	65.4
		2441	1.630	2.505	65.1
		2480	1.640	2.500	65.6

Test Graphs

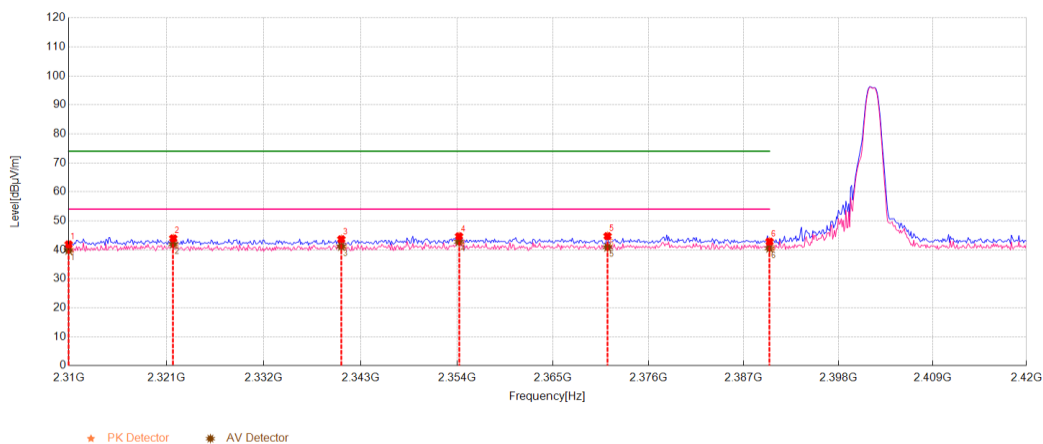




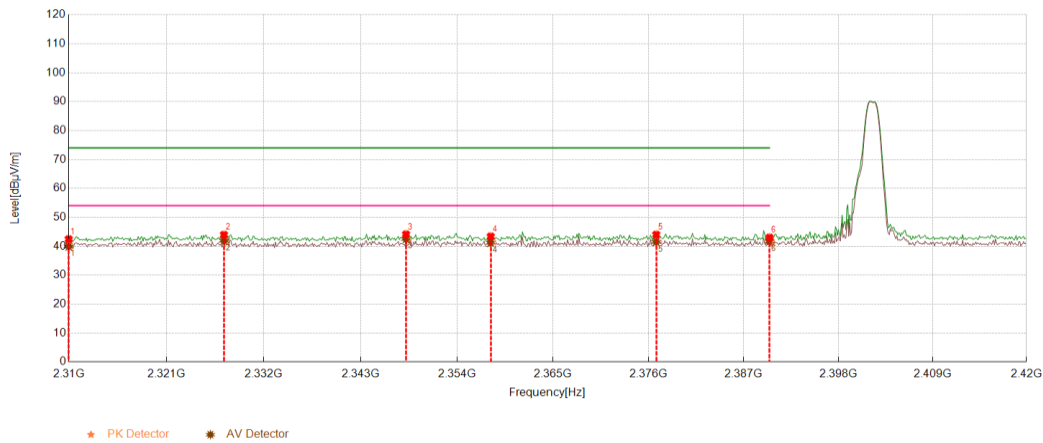
Appendix H: Emissions in Restricted Bands

Test Result

Mode:	SRD-2.4GHz-2402
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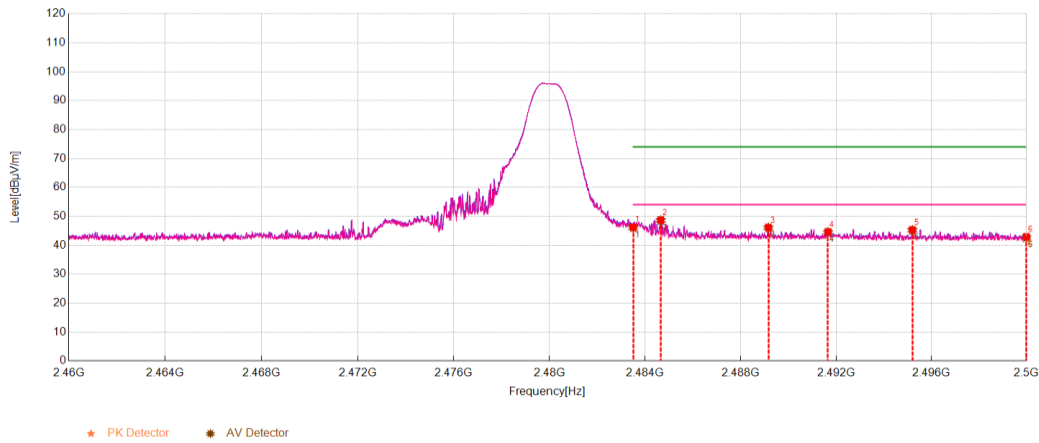
Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.0000	4.67	42.02	74.00	31.98	40.75	54.00	13.25	100	321	Horizontal	PASS
2	2327.2700	4.87	45.09	74.00	28.91	43.38	54.00	10.62	100	6	Horizontal	PASS
3	2336.7300	4.81	44.12	74.00	29.88	41.97	54.00	12.03	100	204	Horizontal	PASS
4	2354.0000	4.97	44.02	74.00	29.98	41.56	54.00	12.44	100	78	Horizontal	PASS
5	2374.1300	5.00	43.97	74.00	30.03	41.01	54.00	12.99	100	103	Horizontal	PASS
6	2390.0000	4.95	42.62	74.00	31.38	41.37	54.00	12.63	100	78	Horizontal	PASS



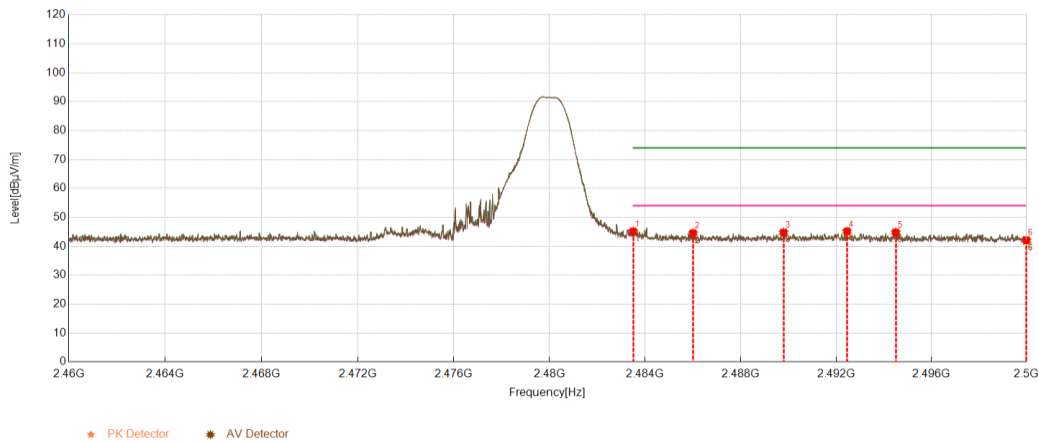
Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.0000	4.67	42.45	74.00	31.55	39.93	54.00	14.07	100	267	Vertical	PASS
2	2327.4900	4.87	43.97	74.00	30.03	41.94	54.00	12.06	100	290	Vertical	PASS
3	2348.1700	4.97	44.12	74.00	29.88	42.51	54.00	11.49	100	360	Vertical	PASS
4	2357.8500	4.95	43.40	74.00	30.60	41.21	54.00	12.79	100	245	Vertical	PASS
5	2376.8800	5.07	44.01	74.00	29.99	41.49	54.00	12.51	100	88	Vertical	PASS
6	2390.0000	4.95	43.01	74.00	30.99	41.66	54.00	12.34	100	252	Vertical	PASS

Mode:

SRD-2.4GHz-2480



Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5000	5.46	46.18	74.00	27.82	45.98	54.00	8.02	100	109	Horizontal	PASS
2	2484.6523	5.51	48.69	74.00	25.31	48.54	54.00	5.46	100	44	Horizontal	PASS
3	2489.1607	5.56	46.11	74.00	27.89	46.02	54.00	7.98	100	113	Horizontal	PASS
4	2491.6627	5.56	44.61	74.00	29.39	44.47	54.00	9.53	100	40	Horizontal	PASS
5	2495.2038	5.56	45.30	74.00	28.70	45.12	54.00	8.88	100	20	Horizontal	PASS
6	2500.0000	5.50	42.91	74.00	31.09	42.52	54.00	11.48	100	90	Horizontal	PASS



Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.5000	5.46	45.11	74.00	28.89	44.95	54.00	9.05	100	64	Vertical	PASS
2	2486.0032	5.47	44.55	74.00	29.45	44.35	54.00	9.65	100	83	Vertical	PASS
3	2489.8002	5.57	44.71	74.00	29.29	44.66	54.00	9.34	100	298	Vertical	PASS
4	2492.4620	5.56	45.13	74.00	28.87	45.03	54.00	8.97	100	181	Vertical	PASS
5	2494.5084	5.57	44.78	74.00	29.22	44.71	54.00	9.29	100	79	Vertical	PASS
6	2500.0000	5.50	42.11	74.00	31.89	41.90	54.00	12.10	100	40	Vertical	PASS

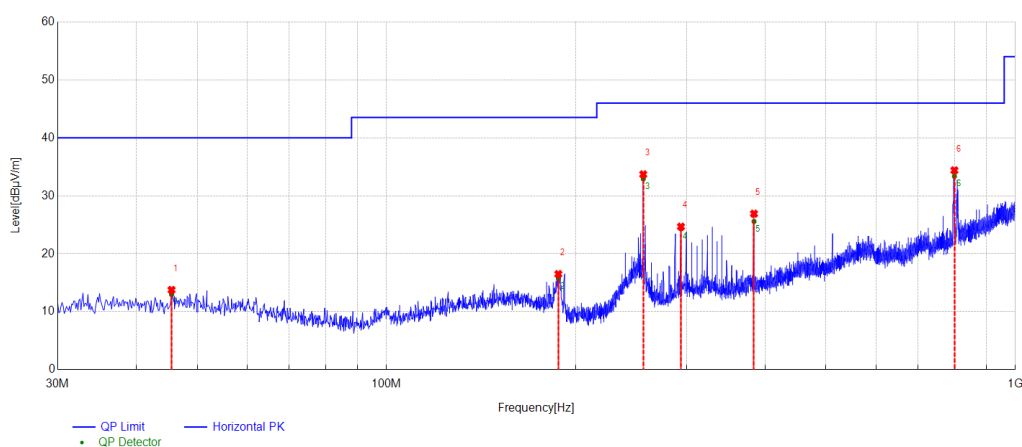
Appendix I: Spurious emissions

Test Result

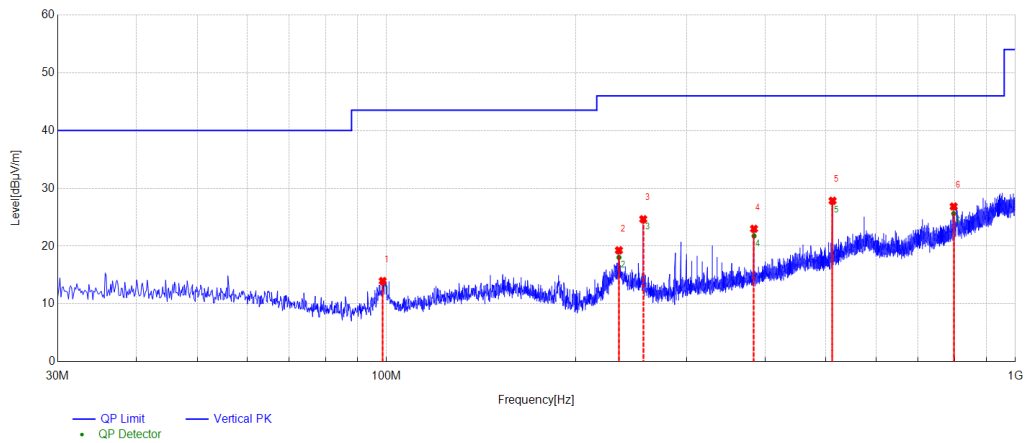
Note:

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 (1M-2402MHz) 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	45.5200	-15.91	12.97	40.00	27.03	100	360	Horizontal	PASS
2	187.6250	-18.28	15.71	43.50	27.79	100	52	Horizontal	PASS
3	256.0100	-17.51	32.91	46.00	13.09	100	92	Horizontal	PASS
4	293.9612	-16.17	24.31	46.00	21.69	100	220	Horizontal	PASS
5	384.0500	-13.75	25.58	46.00	20.42	100	274	Horizontal	PASS
6	799.9375	-5.13	33.35	46.00	12.65	100	99	Horizontal	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	98.6275	-19.80	13.72	43.50	29.78	100	293	Vertical	PASS
2	234.1850	-18.68	18.06	46.00	27.94	100	298	Vertical	PASS
3	256.0100	-17.51	24.65	46.00	21.35	100	55	Vertical	PASS
4	384.0500	-13.75	21.78	46.00	24.22	100	276	Vertical	PASS
5	512.0900	-11.28	27.59	46.00	18.41	100	124	Vertical	PASS
6	797.7550	-5.16	25.64	46.00	20.36	100	190	Vertical	PASS

Mode:

SRD-2.4GHz-2402

Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3636.0000	-19.33	36.27	74.00	37.73	33.74	54.00	20.26	150	240	Horizontal	PASS
2	4924.5000	-13.71	40.30	74.00	33.70	38.62	54.00	15.38	150	38	Horizontal	PASS
3	6420.5000	-10.51	42.21	74.00	31.79	40.58	54.00	13.42	150	84	Horizontal	PASS
4	7928.5000	-7.76	43.97	74.00	30.03	39.66	54.00	14.34	150	7	Horizontal	PASS
5	9601.5000	-5.09	50.19	74.00	23.81	47.82	54.00	6.18	150	216	Horizontal	PASS
6	11811.5000	-1.67	46.84	74.00	27.16	45.42	54.00	8.58	150	194	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3405.5000	-19.55	37.14	74.00	36.86	33.59	54.00	20.41	150	165	Vertical	PASS
2	4909.5000	-13.13	40.54	74.00	33.46	37.16	54.00	16.84	150	332	Vertical	PASS
3	5999.5000	-11.62	47.10	74.00	26.90	45.56	54.00	8.44	150	95	Vertical	PASS
4	8354.0000	-7.18	44.23	74.00	29.77	41.62	54.00	12.38	150	150	Vertical	PASS
5	9602.0000	-5.09	47.69	74.00	26.31	44.26	54.00	9.74	150	111	Vertical	PASS
6	11189.0000	-2.80	46.78	74.00	27.22	42.62	54.00	11.38	150	18	Vertical	PASS

Mode:

SRD-2.4GHz-2441

Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3759.5000	-18.69	36.91	74.00	37.09	35.38	54.00	18.62	150	302	Horizontal	PASS
2	4903.0000	-13.40	41.04	74.00	32.96	35.20	54.00	18.80	150	348	Horizontal	PASS
3	7243.5000	-9.08	42.68	74.00	31.32	40.32	54.00	13.68	150	123	Horizontal	PASS
4	9754.0000	-4.63	49.85	74.00	24.15	47.40	54.00	6.60	150	217	Horizontal	PASS
5	11916.5000	-1.56	47.42	74.00	26.58	45.11	54.00	8.89	150	356	Horizontal	PASS
6	13800.5000	1.18	48.59	74.00	25.41	46.55	54.00	7.45	150	263	Horizontal	PASS

Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3711.0000	-18.72	36.80	74.00	37.20	35.26	54.00	18.74	150	0	Vertical	PASS
2	5043.5000	-13.23	40.58	74.00	33.42	38.96	54.00	15.04	150	276	Vertical	PASS
3	5999.5000	-11.62	47.30	74.00	26.70	46.19	54.00	7.81	150	92	Vertical	PASS
4	8100.5000	-7.40	44.49	74.00	29.51	42.78	54.00	11.22	150	261	Vertical	PASS
5	9754.0000	-4.63	48.86	74.00	25.14	45.30	54.00	8.70	150	92	Vertical	PASS
6	14361.0000	1.63	48.01	74.00	25.99	46.30	54.00	7.70	150	268	Vertical	PASS

Mode:

SRD-2.4GHz-2480

Final Data List

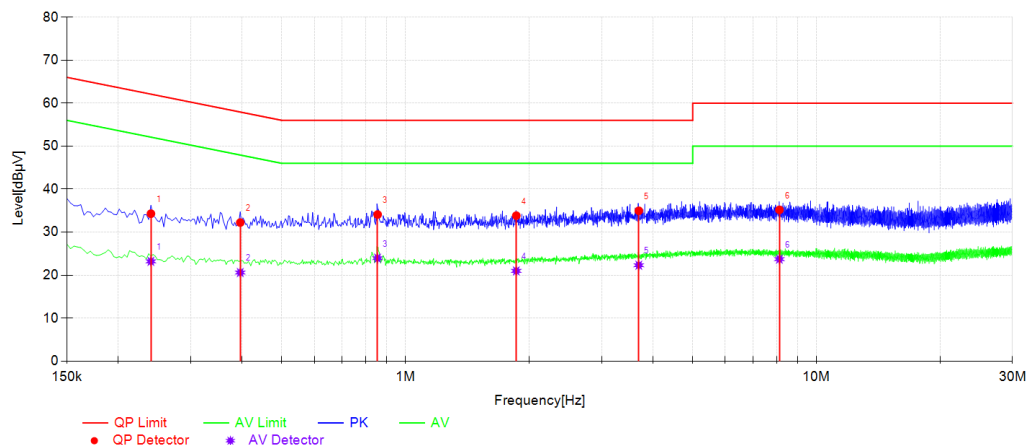
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3641.0000	-19.35	37.95	74.00	36.05	32.98	54.00	21.02	150	91	Vertical	PASS
2	4892.0000	-13.67	40.83	74.00	33.17	38.81	54.00	15.19	150	324	Vertical	PASS
3	5999.5000	-11.62	47.00	74.00	27.00	45.61	54.00	8.39	150	106	Vertical	PASS
4	8016.5000	-7.44	44.71	74.00	29.29	42.53	54.00	11.47	150	270	Vertical	PASS
5	9914.0000	-4.34	49.22	74.00	24.78	48.27	54.00	5.73	150	113	Vertical	PASS
6	13863.5000	0.73	49.06	74.00	24.94	47.68	54.00	6.32	150	332	Vertical	PASS

Final Data List

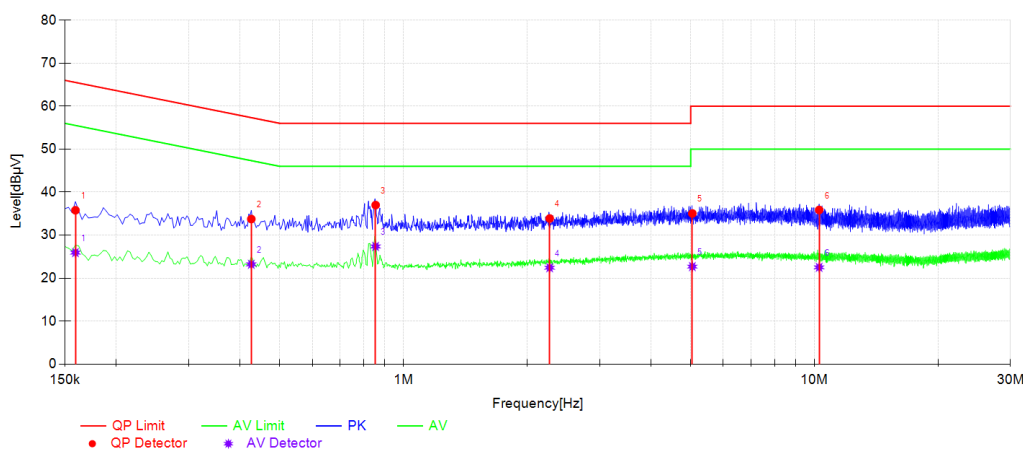
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	3778.0000	-18.81	37.10	74.00	36.90	35.06	54.00	18.94	150	236	Horizontal	PASS
2	4908.0000	-13.19	40.18	74.00	33.82	37.83	54.00	16.17	150	356	Horizontal	PASS
3	6760.5000	-9.37	42.77	74.00	31.23	39.83	54.00	14.17	150	24	Horizontal	PASS
4	8287.5000	-7.80	43.84	74.00	30.16	41.72	54.00	12.28	150	300	Horizontal	PASS
5	9914.0000	-4.34	50.93	74.00	23.07	47.58	54.00	6.42	150	221	Horizontal	PASS
6	12893.5000	-0.04	47.01	74.00	26.99	45.10	54.00	8.90	150	268	Horizontal	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	0.24	10.34	34.30	62.10	27.80	23.21	52.10	28.89	L1	PASS
2	0.396	10.28	32.24	57.94	25.70	20.61	47.94	27.33	L1	PASS
3	0.855	10.31	34.10	56.00	21.90	23.95	46.00	22.05	L1	PASS
4	1.86	10.29	33.84	56.00	22.16	20.99	46.00	25.01	L1	PASS
5	3.696	10.30	34.98	56.00	21.02	22.31	46.00	23.69	L1	PASS
6	8.127	10.43	35.19	60.00	24.81	23.73	50.00	26.27	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	0.159	10.35	35.79	65.52	29.73	25.95	55.52	29.57	N	PASS
2	0.426	10.27	33.76	57.33	23.57	23.22	47.33	24.11	N	PASS
3	0.855	10.26	37.00	56.00	19.00	27.37	46.00	18.63	N	PASS
4	2.268	10.38	33.88	56.00	22.12	22.43	46.00	23.57	N	PASS
5	5.046	10.41	35.05	60.00	24.95	22.69	50.00	27.31	N	PASS
6	10.27	10.45	35.87	60.00	24.13	22.52	50.00	27.48	N	PASS