

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.596	2402.244	0.5	PASS
		2440	0.680	2439.572	2440.252	0.5	PASS
		2480	0.788	2479.572	2480.360	0.5	PASS

Test Graphs



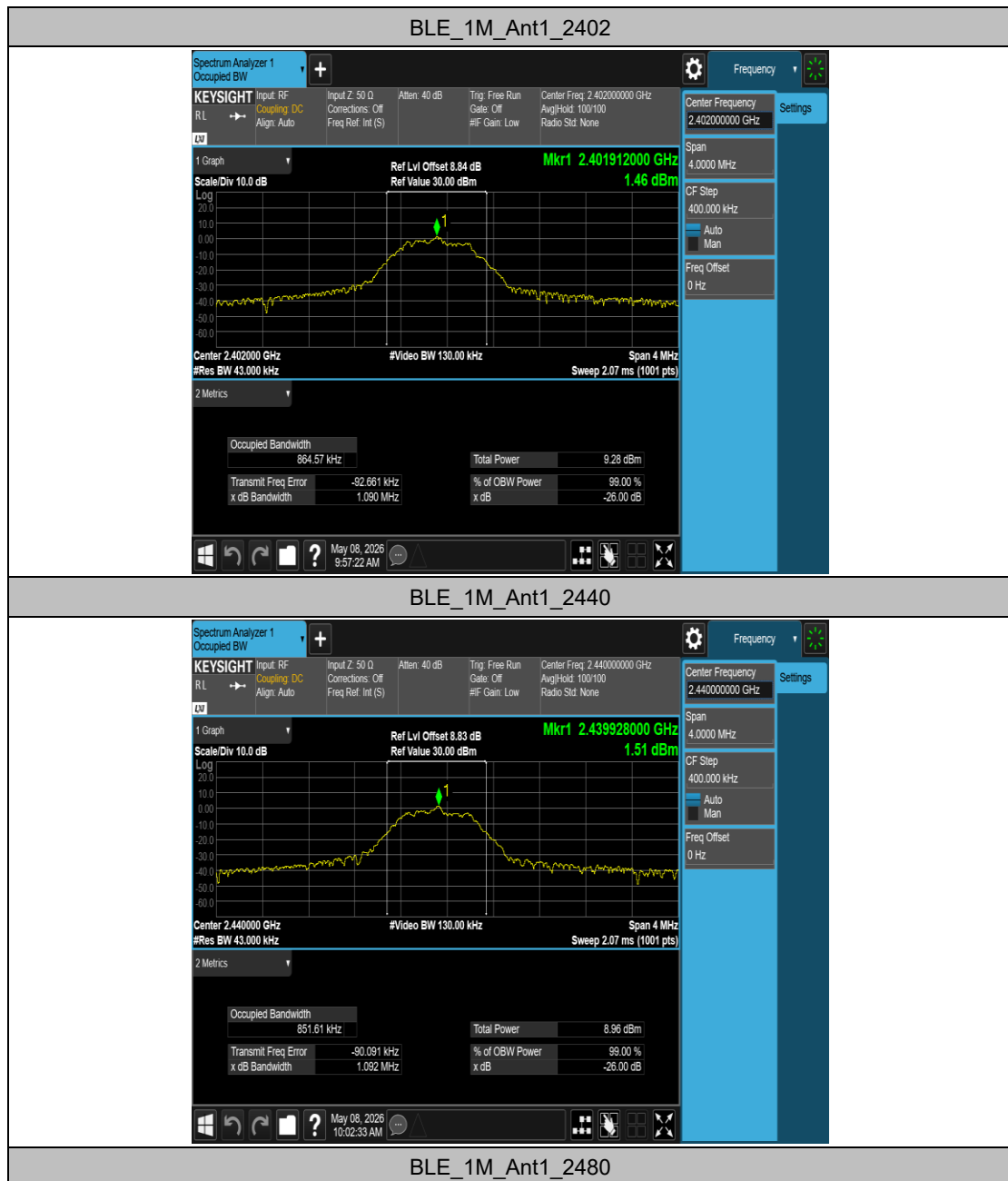


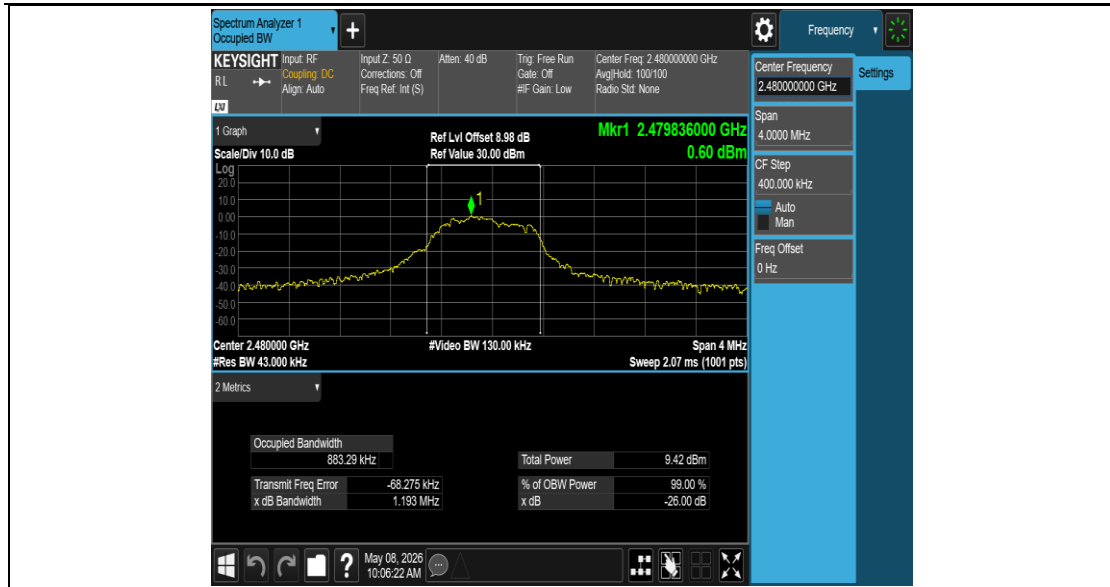
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.86457	2401.4751	2402.3396	---	---
		2440	0.85161	2439.4841	2440.3357	---	---
		2480	0.88329	2479.4901	2480.3734	---	---

Test Graphs



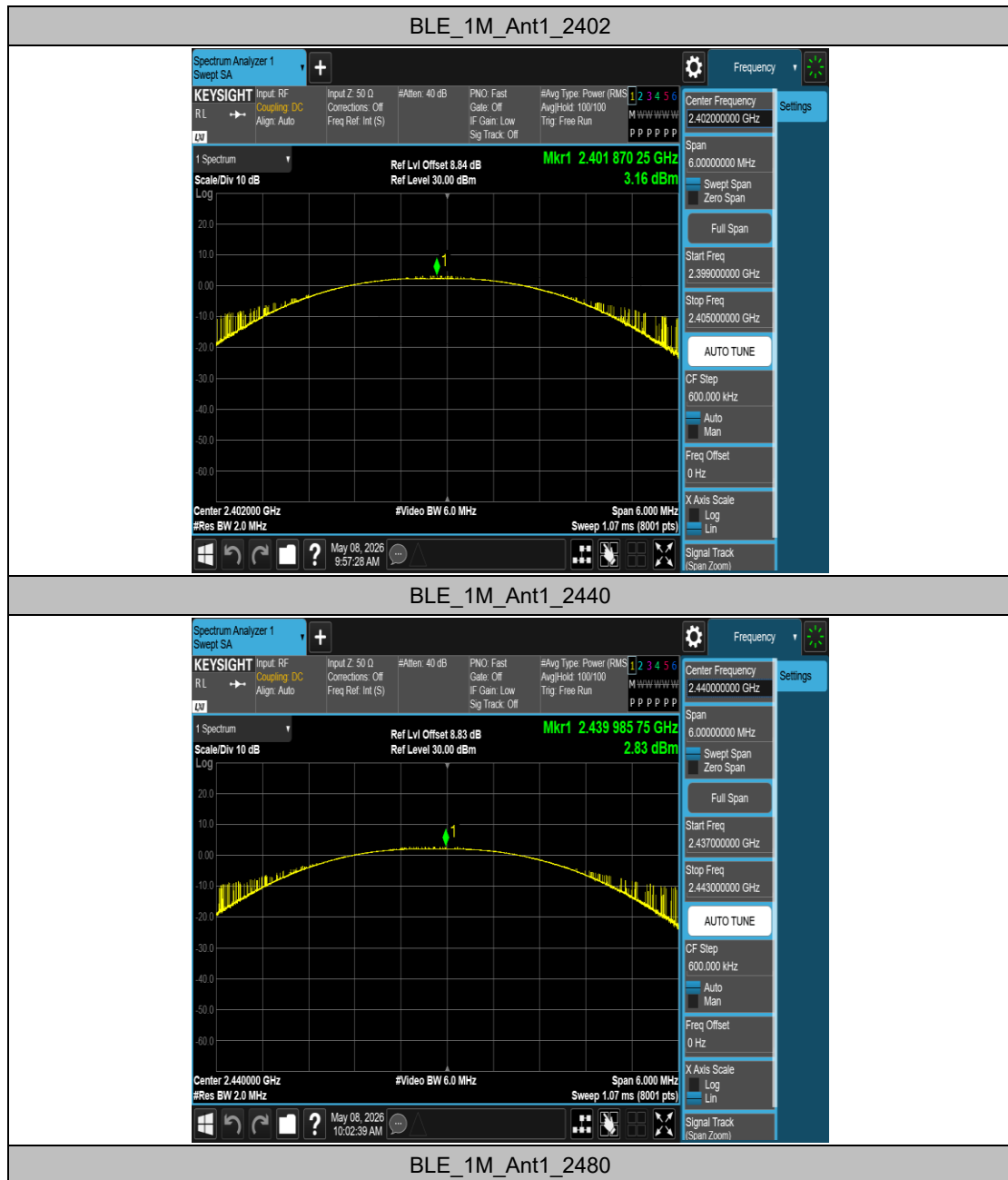


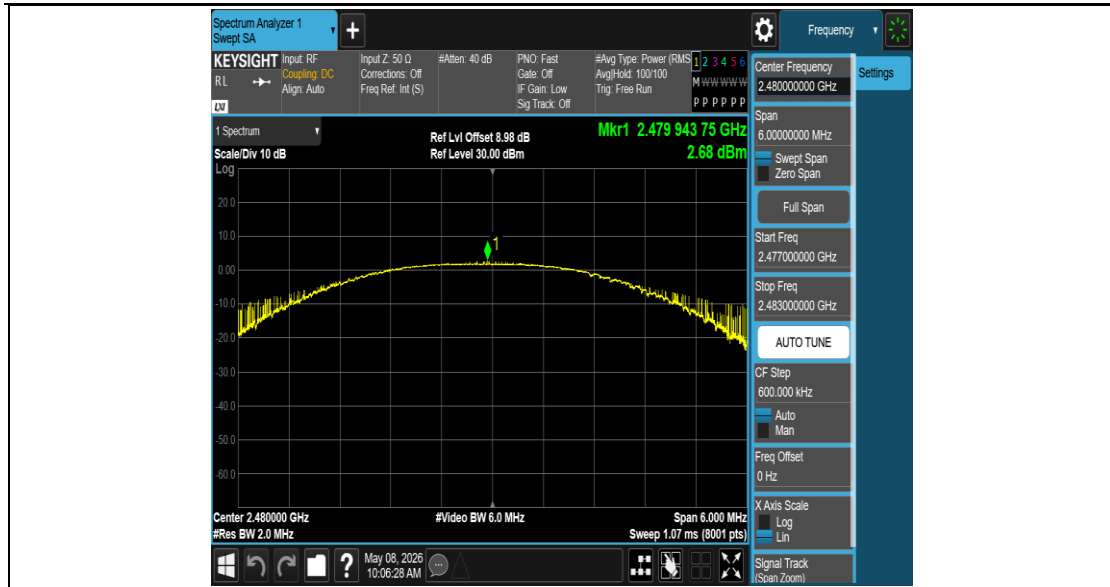
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.16	≤30	PASS
		2440	2.83	≤30	PASS
		2480	2.68	≤30	PASS

Test Graphs



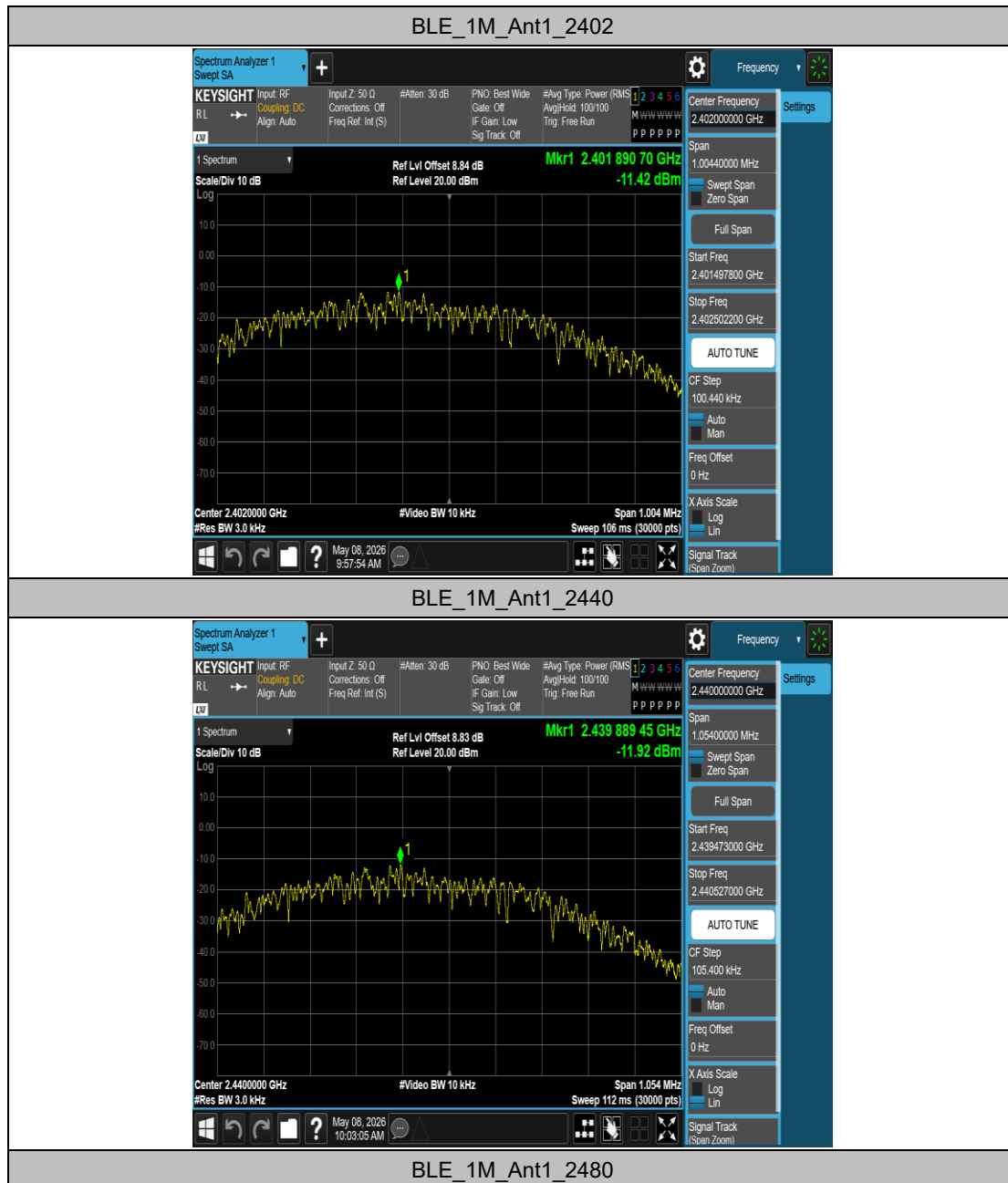


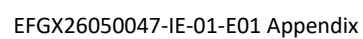
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.42	≤8.00	PASS
		2440	-11.92	≤8.00	PASS
		2480	-11.82	≤8.00	PASS

Test Graphs



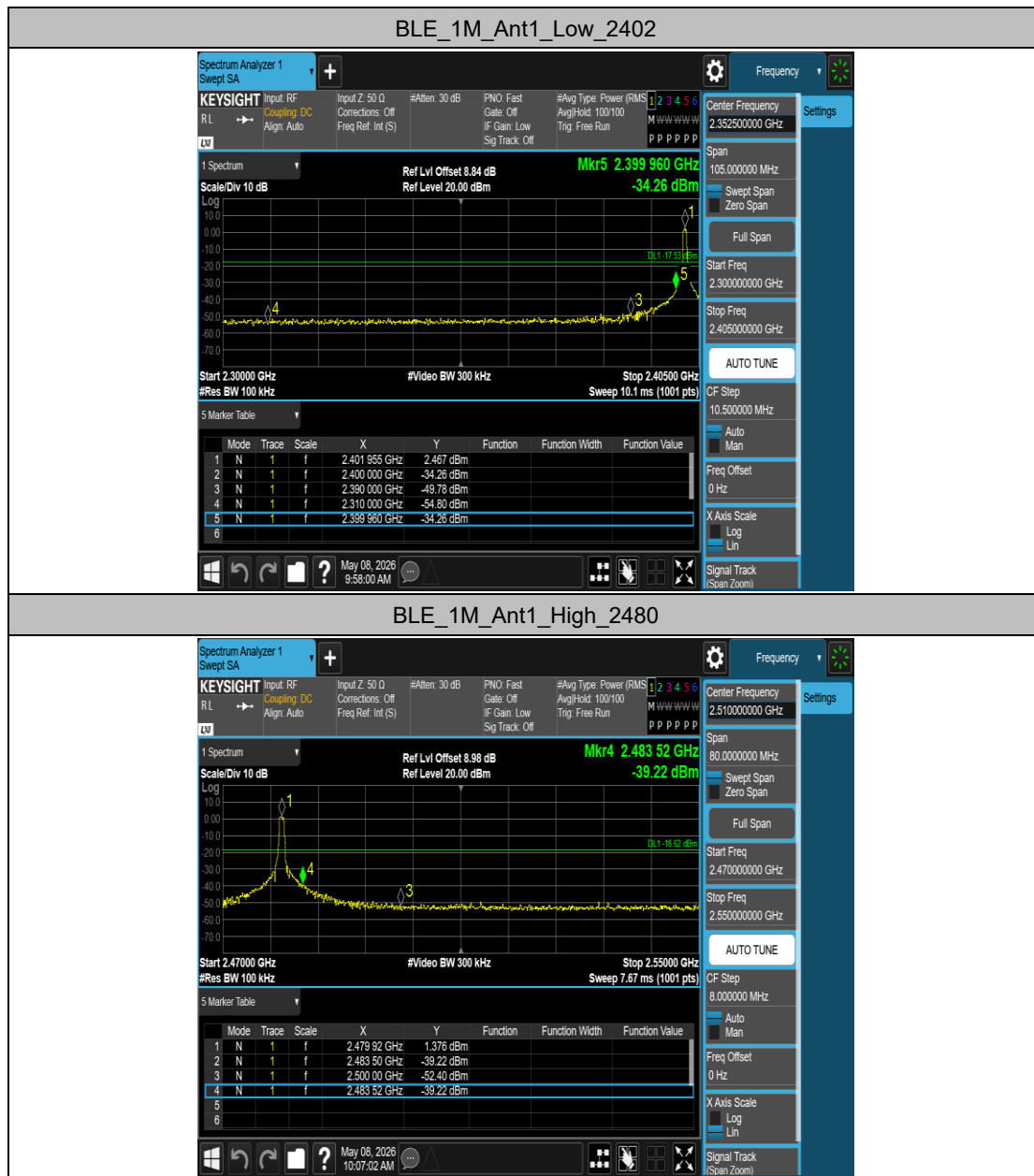


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.47	-34.26	≤ -17.53	PASS
		High	2480	1.38	-39.22	≤ -18.62	PASS

Test Graphs

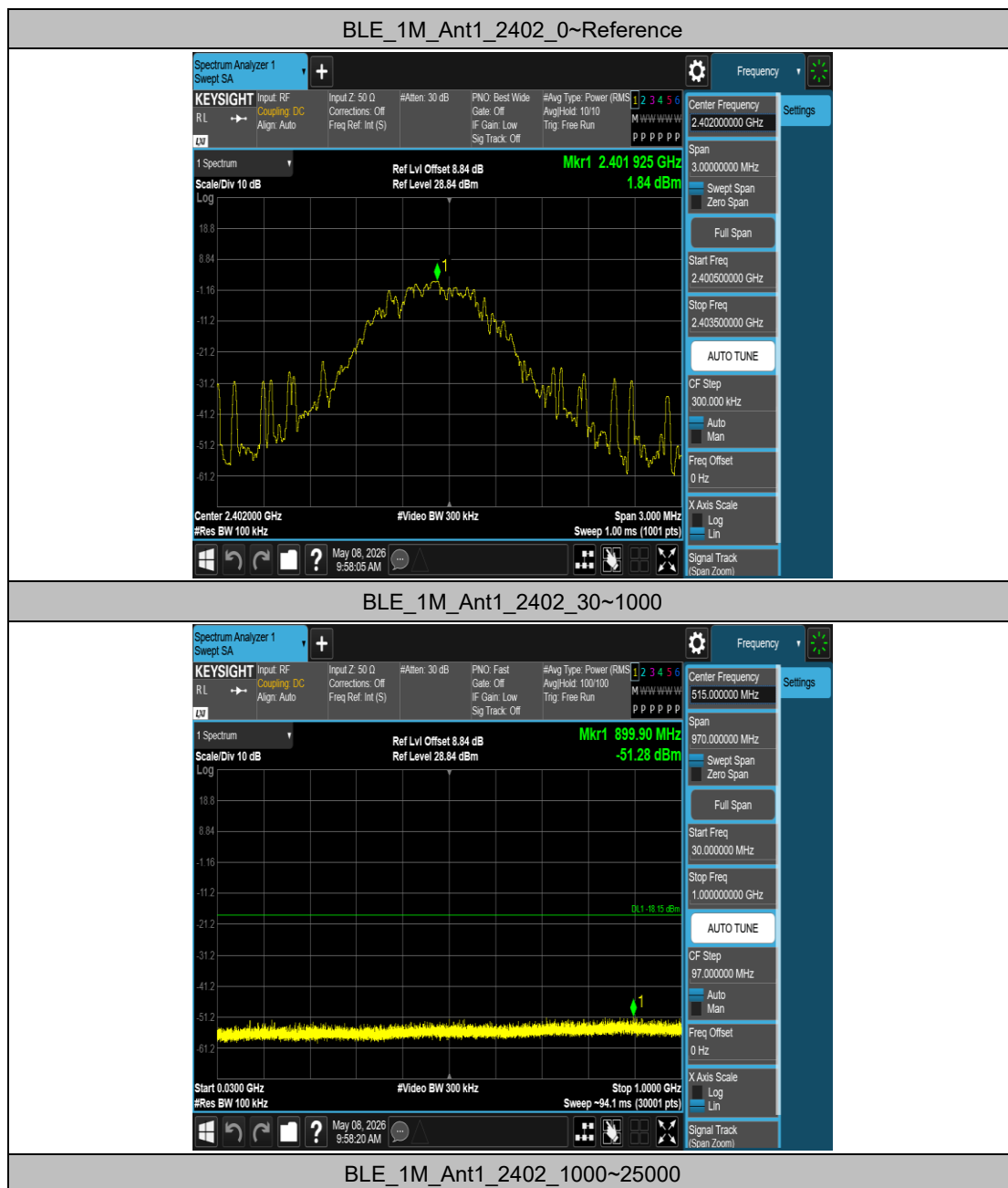


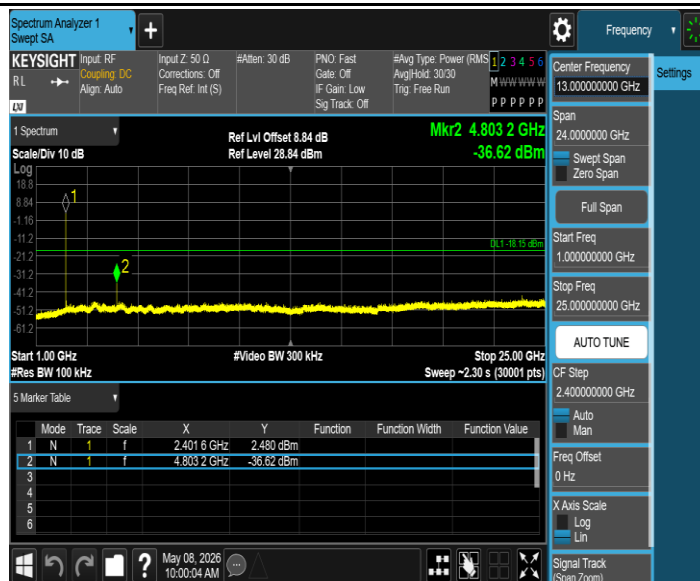
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-51.28	≤-18.15	PASS
			1000~25000	1.85	-36.62	≤-18.15	PASS
		2440	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-50.44	≤-18.68	PASS
			1000~25000	1.32	-35.88	≤-18.68	PASS
		2480	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-50.62	≤-18.99	PASS
			1000~25000	1.01	-35.91	≤-18.99	PASS

Test Graphs

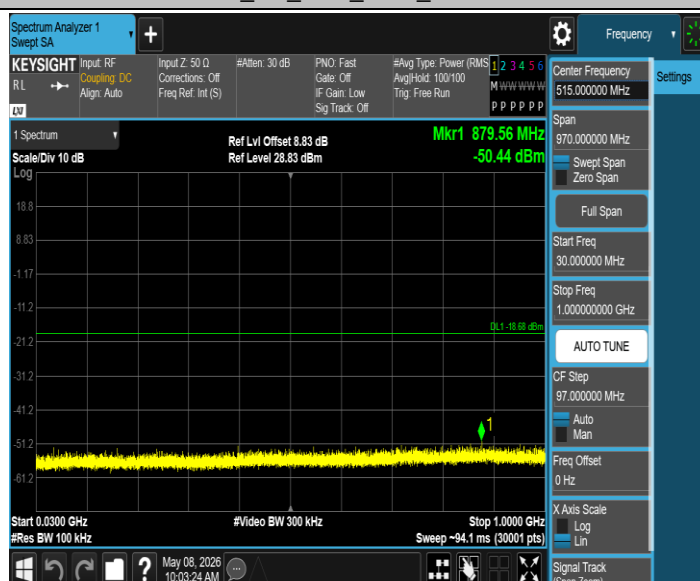




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



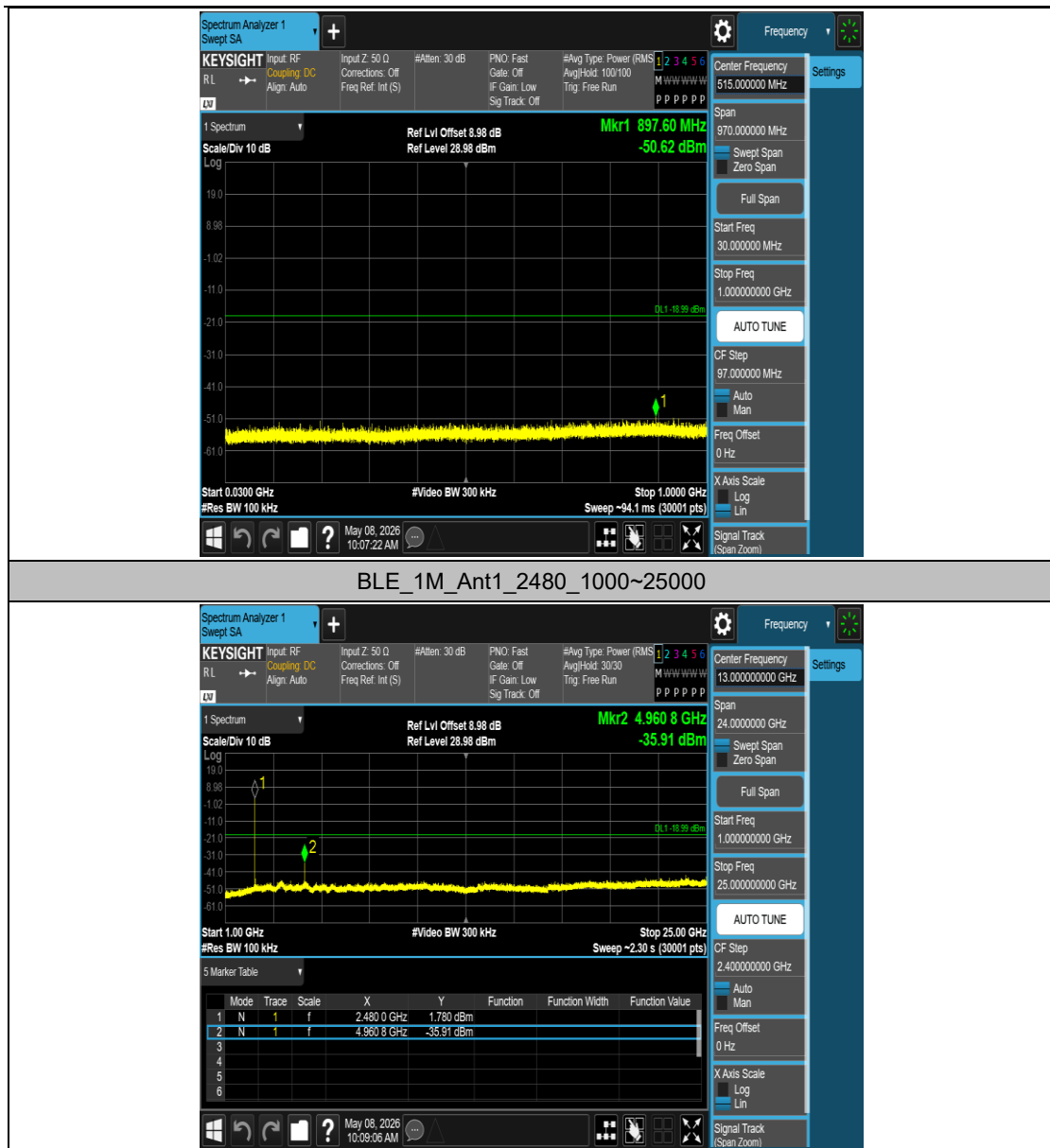
BLE_1M_Ant1_2440_1000~25000



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



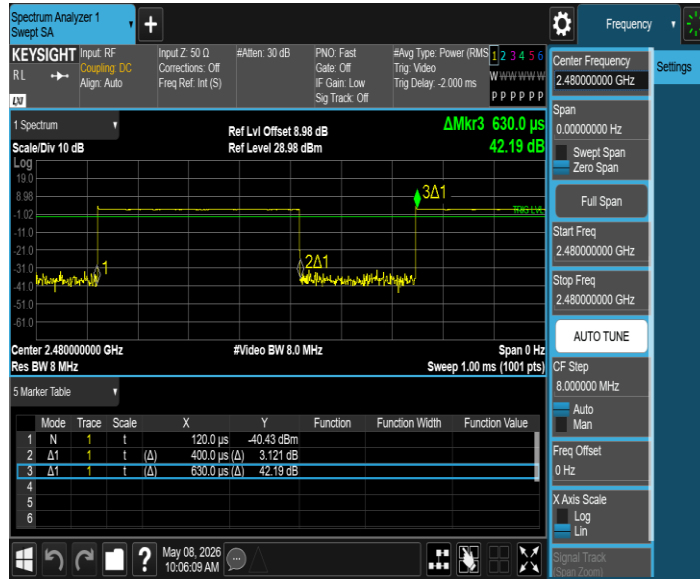
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]
BLE_1M	Ant1	2402	0.40	0.63	0.6349	63.49
		2440	0.40	0.63	0.6349	63.49
		2480	0.40	0.63	0.6349	63.49

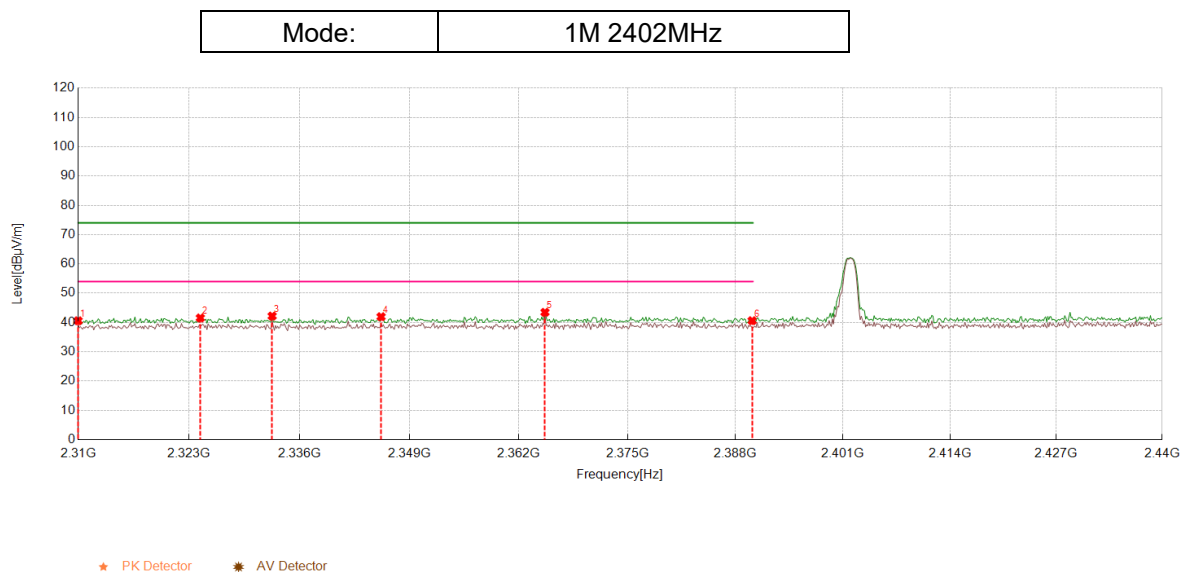
Test Graphs





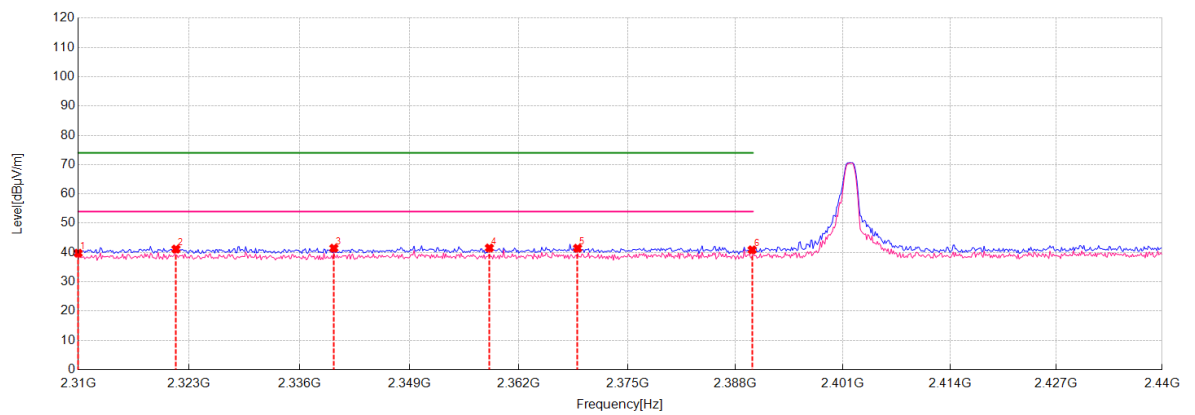
Appendix H: Emissions in Restricted Bands

Test Result



Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.00	40.59	2.67	74.00	33.41	150	65	Vertical	PASS
2	2324.30	41.56	2.86	74.00	32.44	150	360	Vertical	PASS
3	2332.75	42.20	2.75	74.00	31.80	150	334	Vertical	PASS
4	2345.62	41.97	2.98	74.00	32.03	150	334	Vertical	PASS
5	2365.12	43.48	2.99	74.00	30.52	150	106	Vertical	PASS
6	2390.00	40.61	2.95	74.00	33.39	150	174	Vertical	PASS

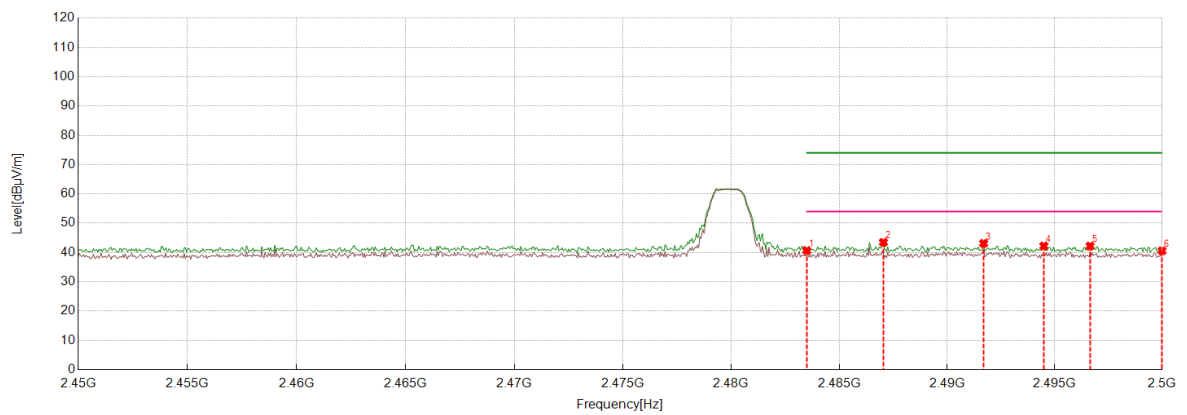
Mode:	1M 2402MHz
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★ PK Detector ✱ AV Detector

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2310.00	39.76	2.67	74.00	34.24	150	206	Horizontal	PASS
2	2321.44	41.16	2.90	74.00	32.84	150	272	Horizontal	PASS
3	2340.03	41.47	2.85	74.00	32.53	150	285	Horizontal	PASS
4	2358.49	41.54	2.95	74.00	32.46	150	5	Horizontal	PASS
5	2369.02	41.46	3.02	74.00	32.54	150	206	Horizontal	PASS
6	2390.00	40.90	2.95	74.00	33.10	150	167	Horizontal	PASS

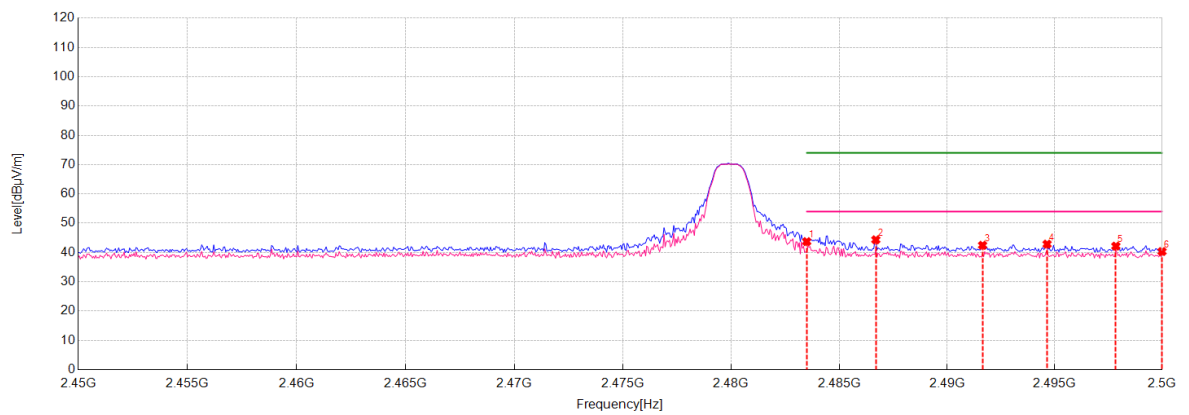
Mode:	1M 2480MHz
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★ PK Detector ✱ AV Detector

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.50	40.66	3.46	74.00	33.34	150	243	Vertical	PASS
2	2487.05	43.48	3.54	74.00	30.52	150	52	Vertical	PASS
3	2491.70	43.13	3.56	74.00	30.87	150	344	Vertical	PASS
4	2494.50	42.22	3.57	74.00	31.78	150	200	Vertical	PASS
5	2496.65	42.20	3.58	74.00	31.80	150	328	Vertical	PASS
6	2500.00	40.57	3.50	74.00	33.43	150	185	Vertical	PASS

Mode:	1M 2480MHz
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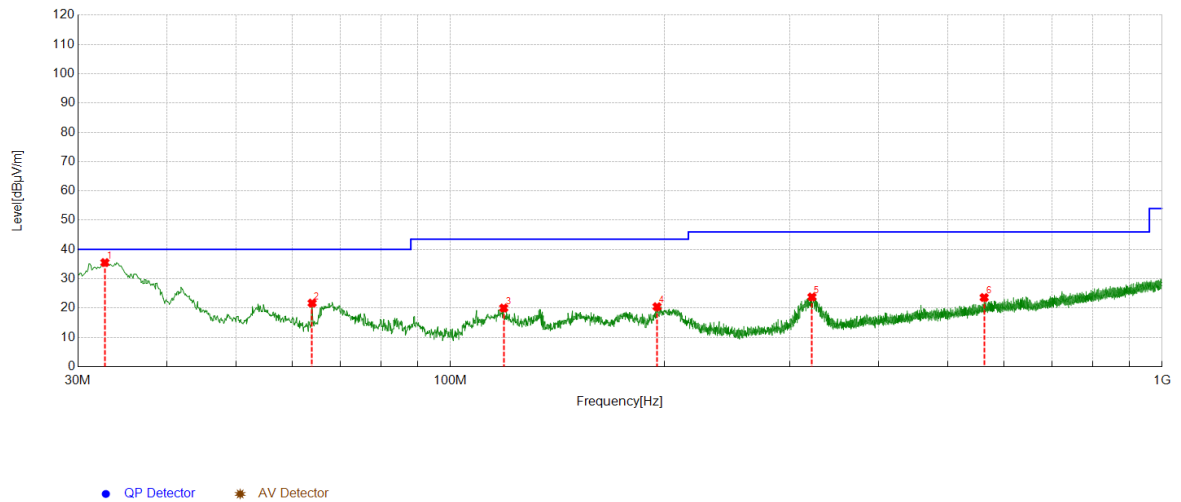


★ PK Detector ✱ AV Detector

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	2483.50	43.72	3.46	74.00	30.28	150	92	Horizontal	PASS
2	2486.70	44.34	3.52	74.00	29.66	150	90	Horizontal	PASS
3	2491.65	42.46	3.56	74.00	31.54	150	166	Horizontal	PASS
4	2494.65	42.86	3.57	74.00	31.14	150	24	Horizontal	PASS
5	2497.85	42.17	3.58	74.00	31.83	150	124	Horizontal	PASS
6	2500.00	40.33	3.50	74.00	33.67	150	188	Horizontal	PASS

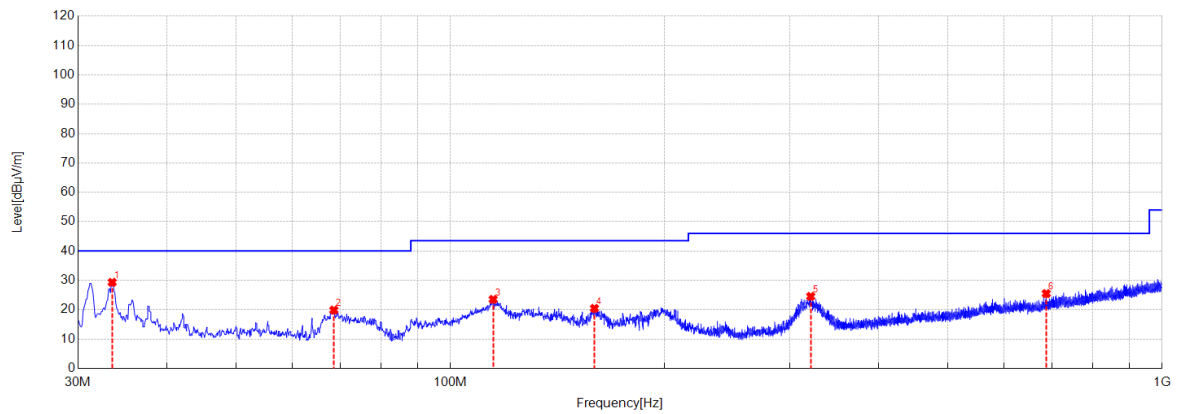
Appendix I: Spurious emissions

Test Result



Suspected Data List

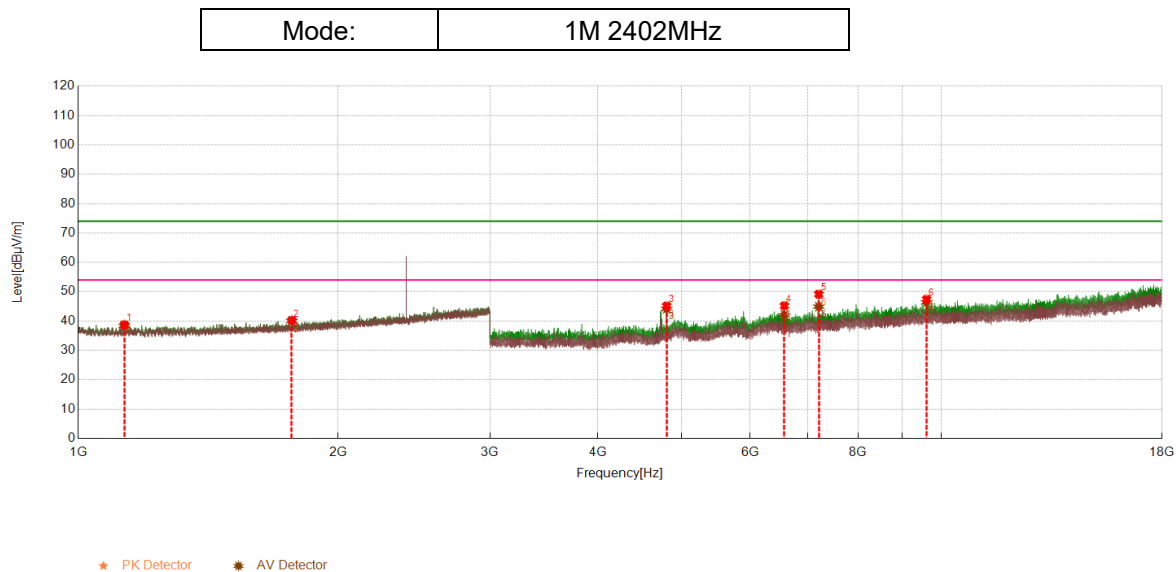
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	32.7163	35.53	-16.51	40.00	4.47	150	183	Vertical	PASS
2	63.9534	21.69	-17.55	40.00	18.31	150	268	Vertical	PASS
3	118.860	20.01	-17.59	43.50	23.49	150	76	Vertical	PASS
4	195.207	20.46	-18.97	43.50	23.04	150	214	Vertical	PASS
5	322.193	23.79	-14.88	46.00	22.21	150	76	Vertical	PASS
6	562.486	23.60	-9.61	46.00	22.40	150	298	Vertical	PASS



● QP Detector ★ AV Detector

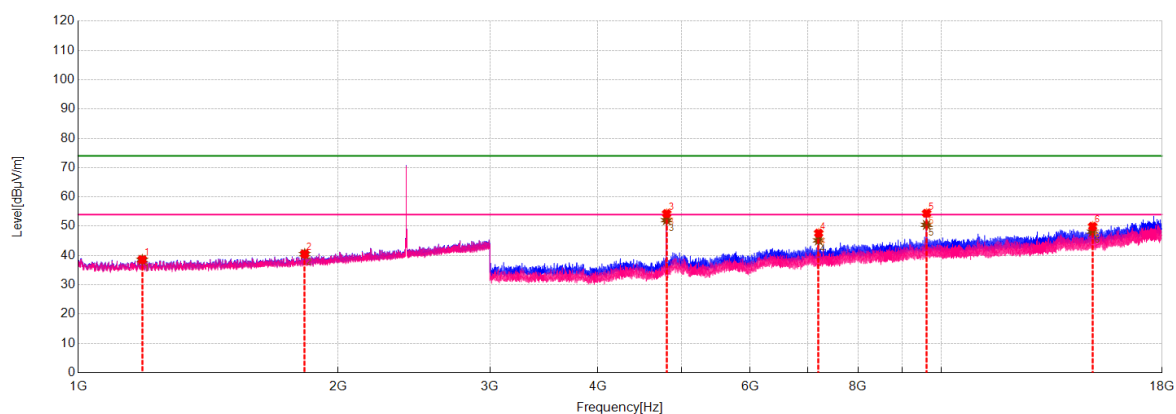
Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	33.4923	29.33	-16.39	40.00	10.67	150	356	Horizontal	PASS
2	68.6099	19.86	-17.85	40.00	20.14	150	43	Horizontal	PASS
3	114.883	23.51	-18.15	43.50	19.99	150	253	Horizontal	PASS
4	159.410	20.44	-15.90	43.50	23.06	150	116	Horizontal	PASS
5	320.932	24.54	-14.94	46.00	21.46	150	238	Horizontal	PASS
6	687.628	25.49	-7.87	46.00	20.51	150	250	Horizontal	PASS



Suspected Data List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1131.20	38.70	-0.38	74.00	35.30	150	12	Vertical	PASS
2	1768.00	40.19	0.96	74.00	33.81	150	320	Vertical	PASS
3	4804.00	45.13	-14.53	74.00	28.87	150	61	Vertical	PASS
4	6575.50	45.21	-10.06	74.00	28.79	150	301	Vertical	PASS
5	7206.50	49.14	-9.36	74.00	24.86	150	30	Vertical	PASS
6	9608.50	47.40	-5.07	74.00	26.60	150	286	Vertical	PASS

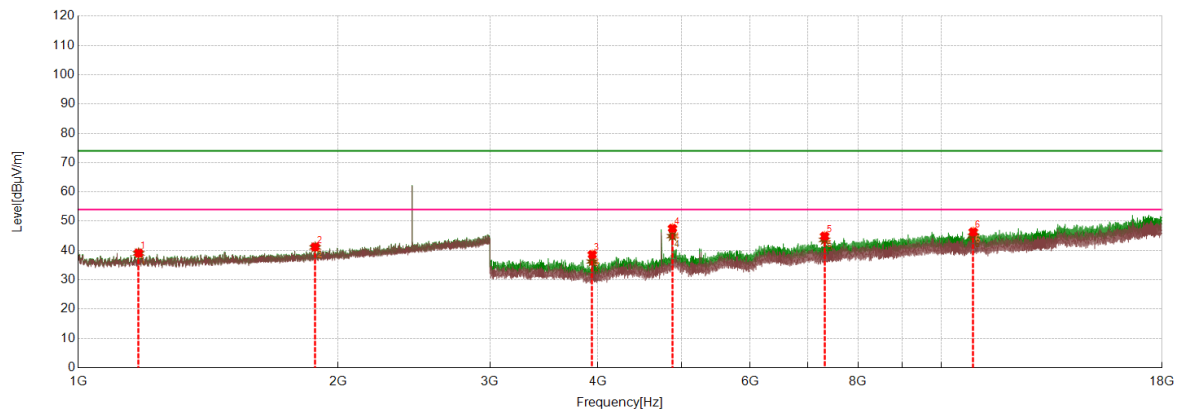
Mode:	1M 2402MHz
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★ PK Detector ★ AV Detector

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	1186.4000	-0.40	38.63	74.00	35.37	38.44	54.00	15.56	150	320	Horizontal	PASS
2	1829.6000	1.21	40.55	74.00	33.45	40.44	54.00	13.56	150	208	Horizontal	PASS
3	4803.5000	-14.56	54.31	74.00	19.69	52.04	54.00	1.96	150	6	Horizontal	PASS
4	7205.0000	-9.48	47.63	74.00	26.37	45.15	54.00	8.85	150	60	Horizontal	PASS
5	9608.5000	-5.07	54.42	74.00	19.58	50.46	54.00	3.54	150	36	Horizontal	PASS
6	14960.0000	2.21	49.97	74.00	24.03	48.13	54.00	5.87	150	292	Horizontal	PASS

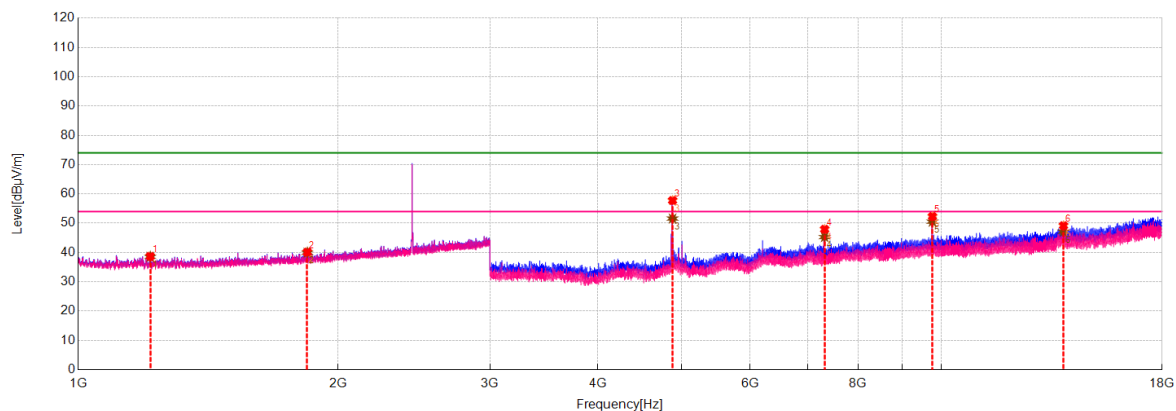
Mode:	1M 2440MHz
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★ PK Detector ✱ AV Detector

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1175.00	39.16	-0.14	74.00	34.84	150	232	Vertical	PASS
2	1881.40	41.23	1.44	74.00	32.77	150	113	Vertical	PASS
3	3939.50	38.62	-17.91	74.00	35.38	150	48	Vertical	PASS
4	4879.00	47.58	-14.10	74.00	26.42	150	272	Vertical	PASS
5	7319.50	44.94	-9.17	74.00	29.06	150	245	Vertical	PASS
6	10882.0	46.40	-3.47	74.00	27.60	150	310	Vertical	PASS

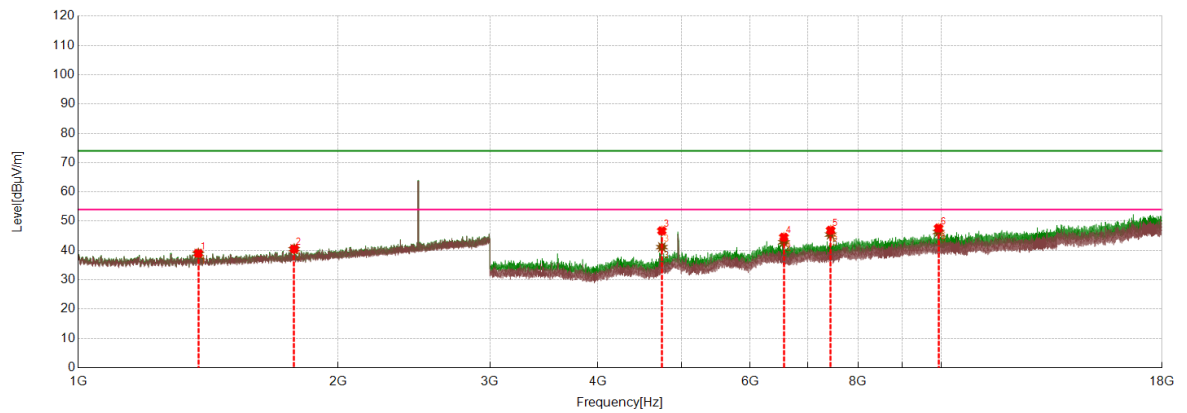
Mode: 1M 2440MHz



★ PK Detector ★ AV Detector

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	1212.0000	-0.27	38.68	74.00	35.32	38.49	54.00	15.51	150	4	Horizontal	PASS
2	1842.6000	1.32	40.13	74.00	33.87	39.89	54.00	14.11	150	278	Horizontal	PASS
3	4880.0000	-14.07	57.77	74.00	16.23	51.59	54.00	2.41	150	2	Horizontal	PASS
4	7320.5000	-9.15	47.94	74.00	26.06	45.27	54.00	8.73	150	38	Horizontal	PASS
5	9758.5000	-4.60	52.32	74.00	21.68	50.52	54.00	3.48	150	347	Horizontal	PASS
6	13840.5000	0.94	49.17	74.00	24.83	47.09	54.00	6.91	150	75	Horizontal	PASS

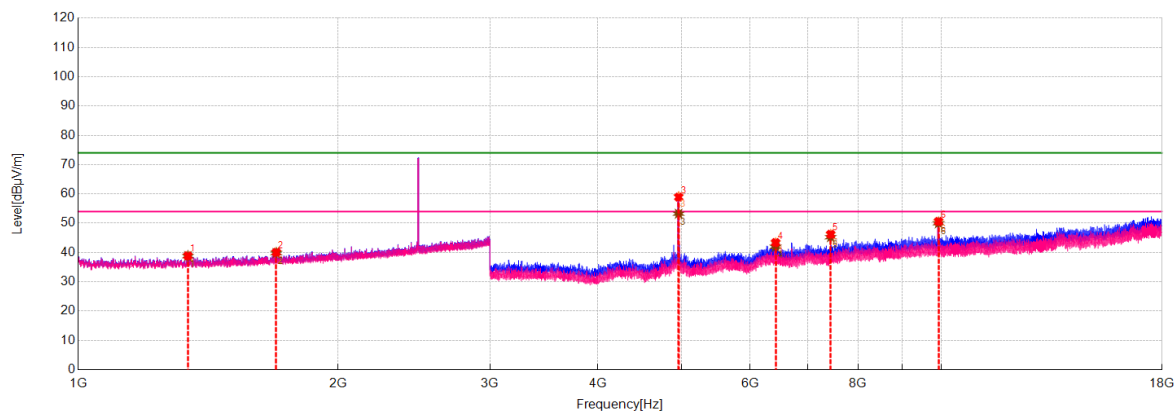
Mode:
1M 2480MHz



★ PK Detector ✱ AV Detector

Suspected Data List									
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1377.60	39.06	-0.35	74.00	34.94	150	144	Vertical	PASS
2	1779.20	40.53	0.95	74.00	33.47	150	206	Vertical	PASS
3	4743.00	46.74	-15.16	74.00	27.26	150	264	Vertical	PASS
4	6566.50	44.56	-10.24	74.00	29.44	150	90	Vertical	PASS
5	7438.50	46.95	-8.97	74.00	27.05	150	294	Vertical	PASS
6	9919.00	47.68	-4.29	74.00	26.32	150	258	Vertical	PASS

Mode: 1M 2480MHz

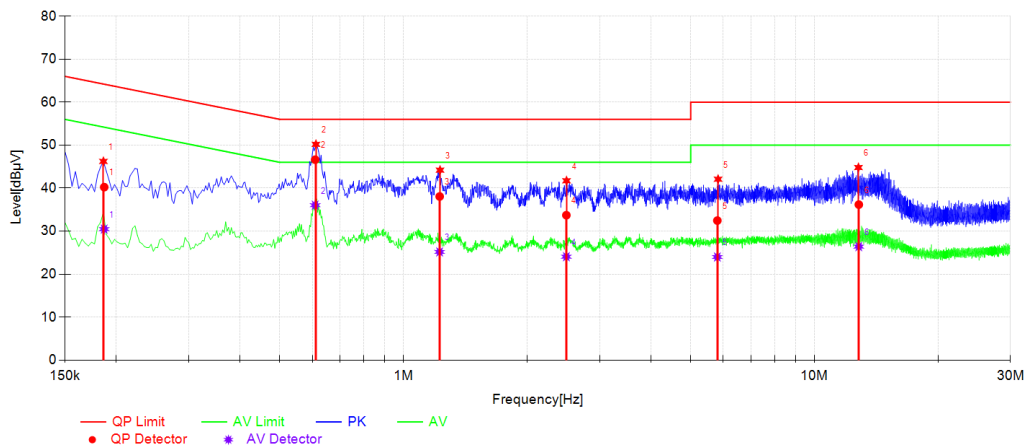


★ PK Detector ★ AV Detector

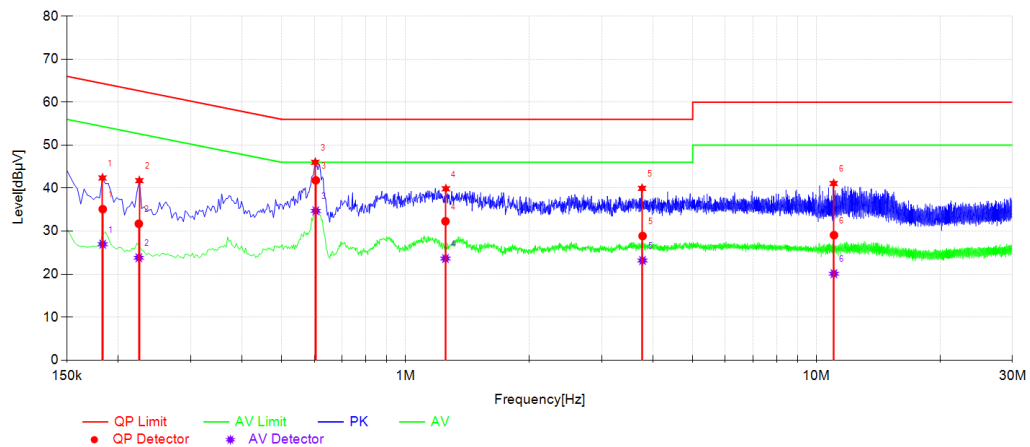
Final Data List												
NO.	Freq. [MHz]	Factor [dB]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1340.2000	-0.39	38.88	74.00	35.12	38.76	54.00	15.24	150	80	Horizontal	PASS
2	1696.2000	0.55	40.07	74.00	33.93	39.79	54.00	14.21	150	223	Horizontal	PASS
3	4959.4285	-14.77	59.18	74.00	14.82	53.24	54.00	0.76	147.4	11	Horizontal	PASS
4	6423.0000	-10.52	43.41	74.00	30.59	41.93	54.00	12.07	150	104	Horizontal	PASS
5	7439.5000	-8.92	46.24	74.00	27.76	45.24	54.00	8.76	150	0	Horizontal	PASS
6	9918.5000	-4.30	50.62	74.00	23.38	49.96	54.00	4.04	150	168	Horizontal	PASS

Appendix J: Conducted emission AC power port

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	0.1868	10.32	40.24	64.18	23.94	30.48	54.18	23.70	L1	PASS
2	0.6094	10.26	46.63	56.00	9.37	36.04	46.00	9.96	L1	PASS
3	1.2241	10.34	38.07	56.00	17.93	25.17	46.00	20.83	L1	PASS
4	2.4906	10.28	33.72	56.00	22.28	24.06	46.00	21.94	L1	PASS
5	5.8045	10.37	32.47	60.00	27.53	23.99	50.00	26.01	L1	PASS
6	12.8266	10.51	36.18	60.00	23.82	26.41	50.00	23.59	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	0.1832	10.35	35.12	64.34	29.22	26.96	54.34	27.38	N	PASS
2	0.2243	10.34	31.72	62.66	30.94	23.82	52.66	28.84	N	PASS
3	0.6047	10.26	41.82	56.00	14.18	34.73	46.00	11.27	N	PASS
4	1.2509	10.30	32.30	56.00	23.70	23.63	46.00	22.37	N	PASS
5	3.7749	10.40	28.88	56.00	27.12	23.18	46.00	22.82	N	PASS
6	11.0348	10.48	29.07	60.00	30.93	20.11	50.00	29.89	N	PASS