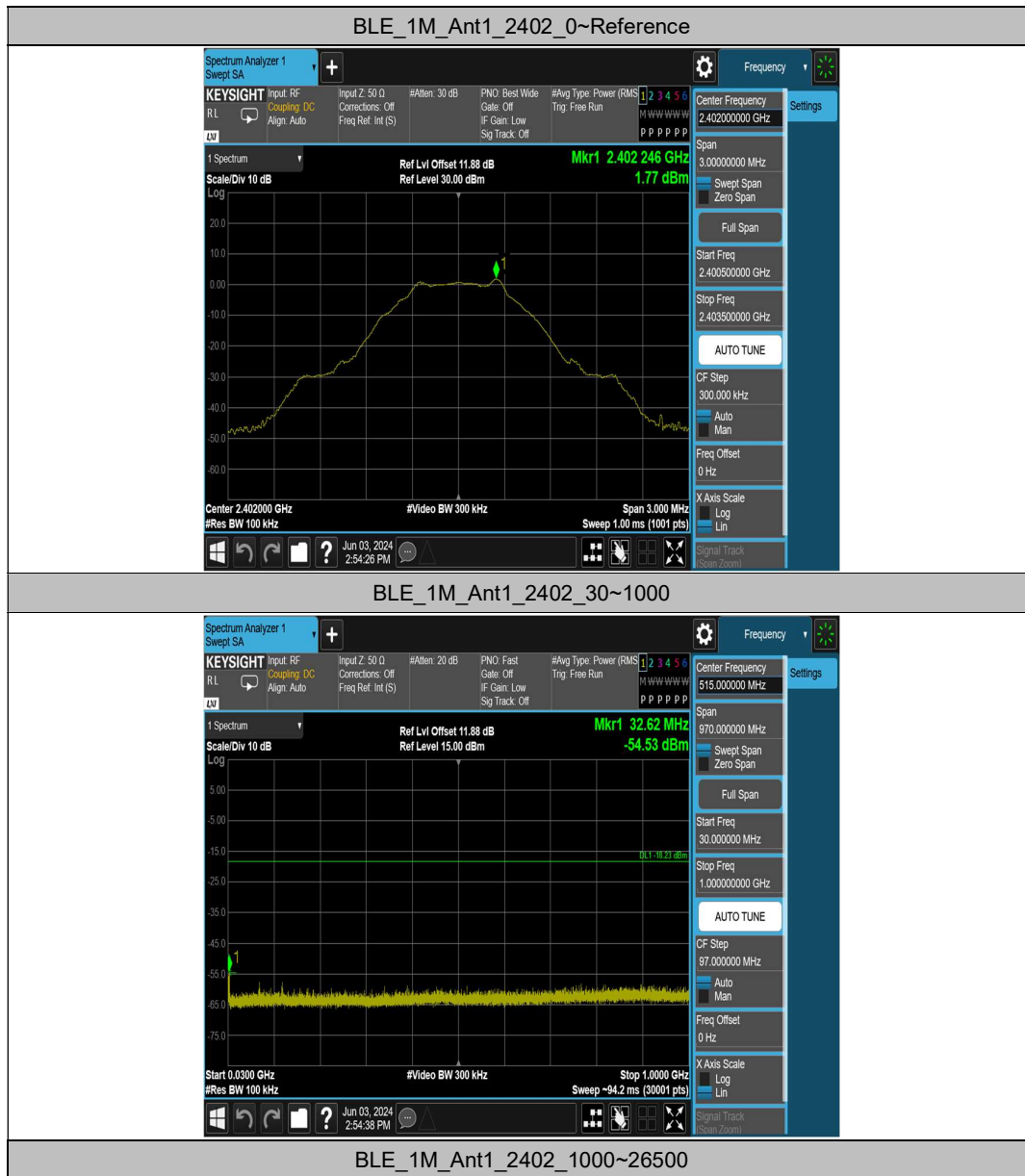
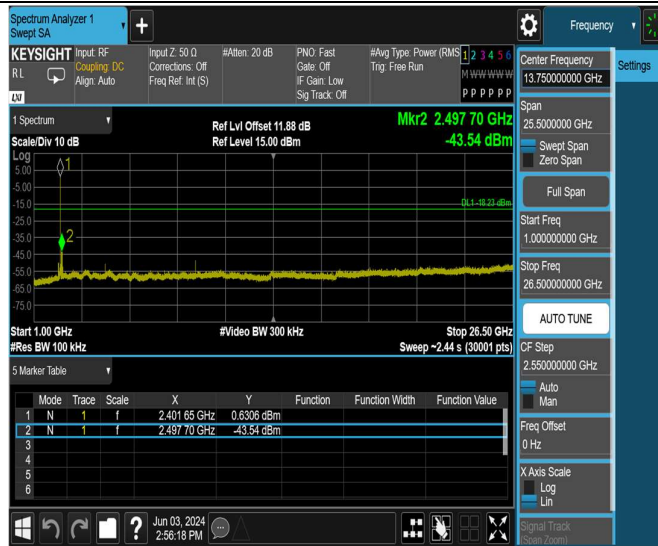


Test Graphs

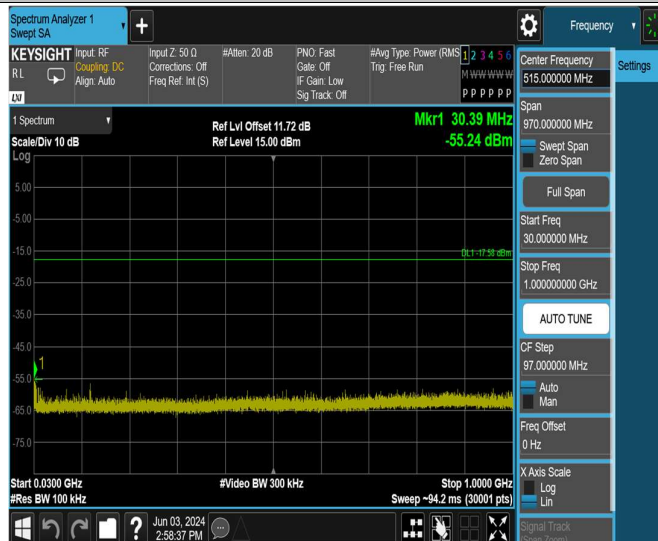




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



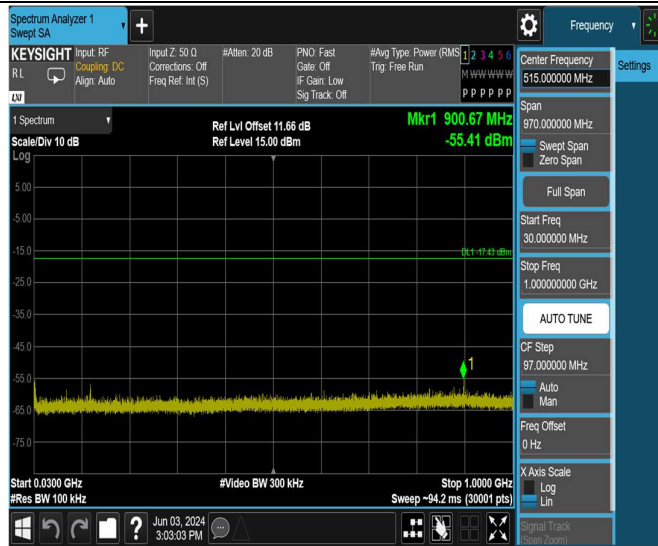
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



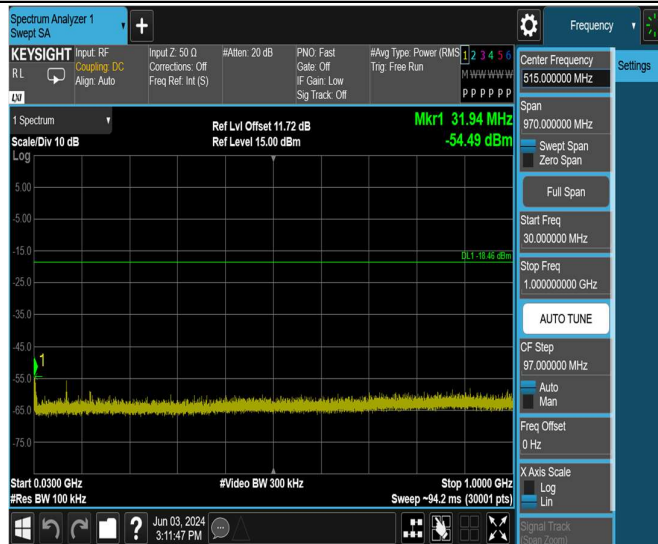
BLE_2M_Ant1_2402_0~Reference







BLE_2M_Ant1_2440_30~1000



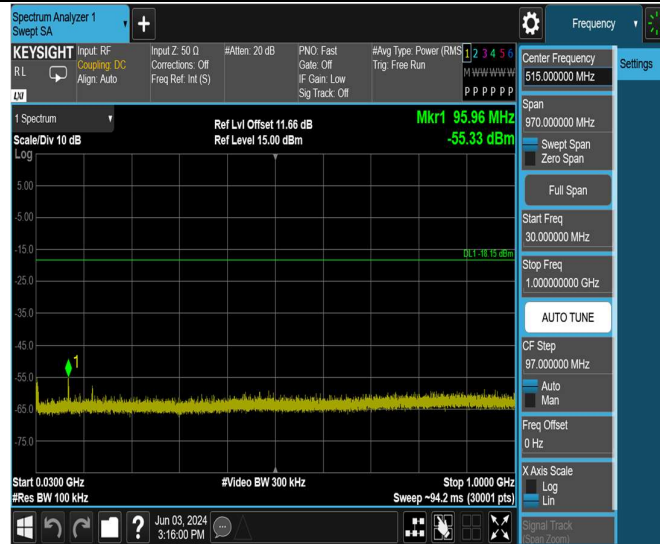
BLE_2M_Ant1_2440_1000~26500



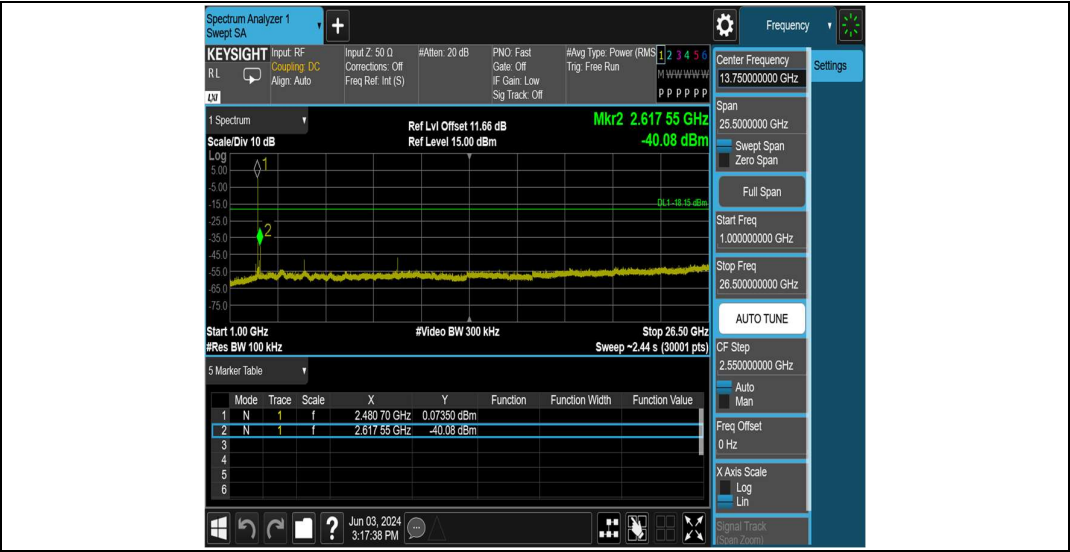
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



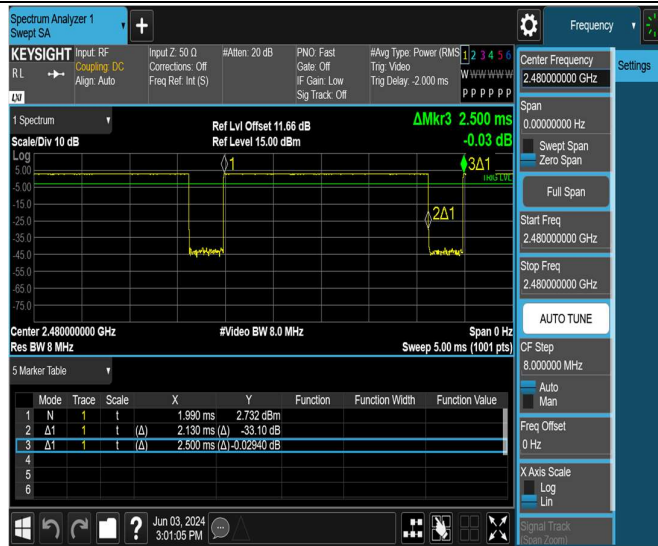
Appendix G: Duty Cycle

Test Result

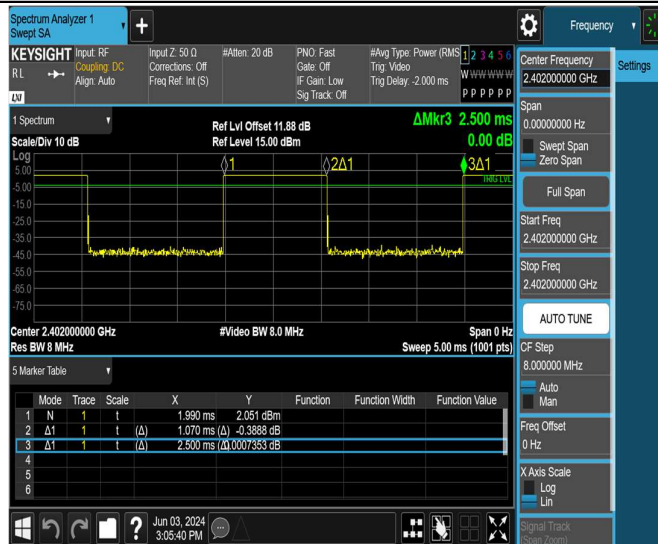
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.12	2.50	84.80	0.72
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.07	2.50	42.80	3.69
		2440	1.07	2.50	42.80	3.69
		2480	1.07	2.50	42.80	3.69

Test Graphs

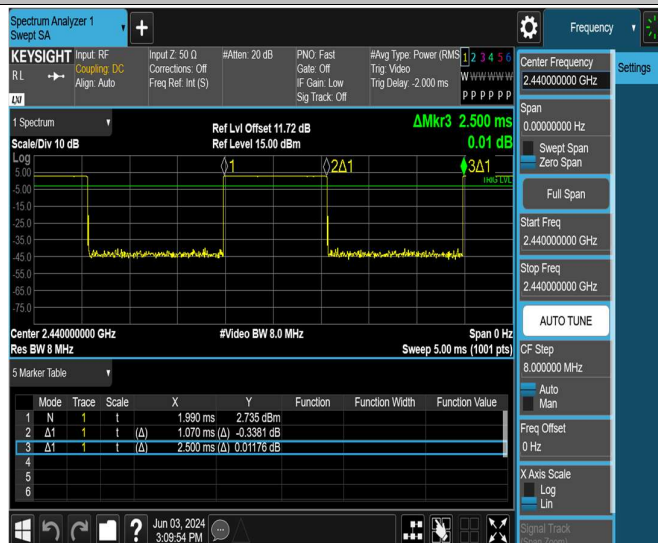




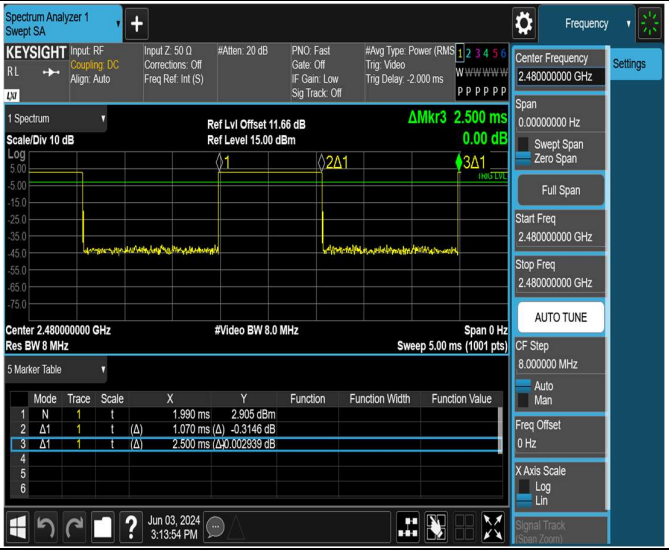
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix H: Emissions in Restricted Bands

Test Result

Mode:	BLE 1M-2402
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PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	9.07	47.10	74.00	26.90	150	231	Horizontal
2	2319.76	9.18	47.65	74.00	26.35	150	346	Horizontal
3	2353.76	9.26	51.00	74.00	23.00	150	40	Horizontal
4	2368.48	9.46	49.11	74.00	24.89	150	356	Horizontal
5	2378	9.86	50.22	74.00	23.78	150	5	Horizontal
6	2390	10.38	47.98	74.00	26.02	150	245	Horizontal

PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	9.07	47.11	74.00	26.89	150	175	Vertical
2	2320.96	9.17	48.49	74.00	25.51	150	92	Vertical
3	2336.4	9.17	47.78	74.00	26.22	150	219	Vertical
4	2346.72	9.28	48.37	74.00	25.63	150	356	Vertical
5	2373.2	9.69	47.58	74.00	26.42	150	213	Vertical
6	2390	10.38	47.48	74.00	26.52	150	65	Vertical

Mode:	BLE 1M-2480
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PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	10.62	48.71	74.00	25.29	150	322	Horizontal
2	2488.86	10.24	50.61	74.00	23.39	150	58	Horizontal
3	2492.98	10.43	50.62	74.00	23.38	150	231	Horizontal
4	2493.43	10.46	49.00	74.00	25.00	150	43	Horizontal
5	2497.06	10.29	49.80	74.00	24.20	150	246	Horizontal
6	2500	10.10	47.89	74.00	26.11	150	258	Horizontal

PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	10.62	48.65	74.00	25.35	150	237	Vertical
2	2488.15	10.22	49.86	74.00	24.14	150	184	Vertical
3	2490.26	10.29	49.12	74.00	24.88	150	114	Vertical
4	2492.98	10.43	49.21	74.00	24.79	150	61	Vertical
5	2495.94	10.38	48.20	74.00	25.80	150	160	Vertical
6	2500	10.10	47.53	74.00	26.47	150	313	Vertical

Mode:	BLE 2M-2402
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PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	9.07	45.87	74.00	28.13	150	184	Horizontal
2	2318.96	9.13	47.74	74.00	26.26	150	39	Horizontal
3	2353.36	9.24	50.65	74.00	23.35	150	7	Horizontal
4	2373.36	9.70	49.77	74.00	24.23	150	190	Horizontal
5	2377.44	9.87	50.61	74.00	23.39	150	245	Horizontal
6	2390	10.38	47.59	74.00	26.41	150	278	Horizontal

PK Final Data List								
NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2310	9.07	46.34	74.00	27.66	150	22	Vertical
2	2324.48	9.13	47.08	74.00	26.92	150	353	Vertical
3	2340.88	9.19	48.66	74.00	25.34	150	93	Vertical
4	2353.28	9.23	49.39	74.00	24.61	150	167	Vertical
5	2374.8	9.78	48.11	74.00	25.89	150	359	Vertical
6	2390	10.38	49.29	74.00	24.71	150	223	Vertical

Mode:

BLE 2M-2480

PK Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	10.62	48.71	74.00	25.29	150	319	Horizontal
2	2484.65	10.52	52.11	74.00	21.89	150	42	Horizontal
3	2485.36	10.46	55.82	74.00	18.18	150	240	Horizontal
4	2485.99	10.38	53.82	74.00	20.18	150	246	Horizontal
5	2492.72	10.42	48.83	74.00	25.17	150	168	Horizontal
6	2500	10.10	47.60	74.00	26.40	150	42	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	10.62	45.52	54.00	8.48	150	319	Horizontal
2	2484.65	10.52	48.52	54.00	5.48	150	42	Horizontal
3	2485.36	10.46	49.17	54.00	4.83	150	240	Horizontal
4	2485.99	10.38	47.70	54.00	6.30	150	246	Horizontal
5	2492.72	10.42	45.54	54.00	8.46	150	168	Horizontal
6	2500	10.10	44.96	54.00	9.04	150	42	Horizontal

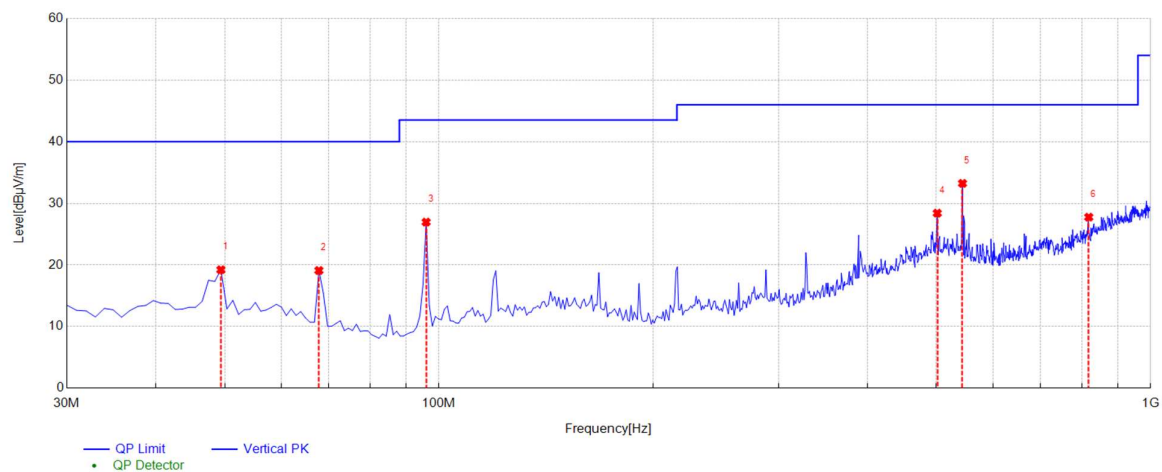
PK Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2483.5	10.62	49.18	74.00	24.82	150	76	Vertical
2	2485.49	10.45	49.94	74.00	24.06	150	135	Vertical
3	2488.94	10.25	50.57	74.00	23.43	150	232	Vertical
4	2491.20	10.36	49.32	74.00	24.68	150	194	Vertical
5	2497.83	10.20	49.51	74.00	24.49	150	282	Vertical
6	2500	10.10	46.87	74.00	27.13	150	185	Vertical

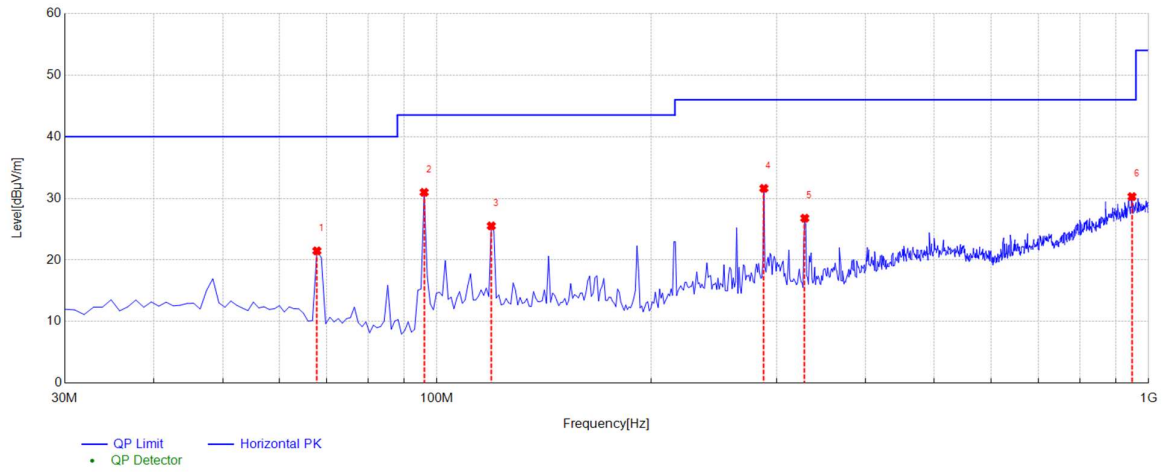
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dB μ V/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Appendix I: Spurious emissions



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	49.4000	19.23	-15.93	40.00	20.77	100	124	Vertical	PASS
2	67.8300	19.11	-18.10	40.00	20.89	100	249	Vertical	PASS
3	95.9600	26.96	-19.81	43.50	16.54	100	207	Vertical	PASS
4	501.420	28.41	-10.87	46.00	17.59	100	185	Vertical	PASS
5	544.100	33.24	-9.96	46.00	12.76	100	185	Vertical	PASS
6	818.610	27.76	-4.38	46.00	18.24	100	213	Vertical	PASS



NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	67.8300	21.48	-18.10	40.00	18.52	100	170	Horizontal	PASS
2	95.9600	30.98	-19.81	43.50	12.52	100	142	Horizontal	PASS
3	119.240	25.53	-17.79	43.50	17.97	100	360	Horizontal	PASS
4	288.020	31.62	-16.01	46.00	14.38	100	256	Horizontal	PASS
5	328.760	26.78	-15.32	46.00	19.22	100	256	Horizontal	PASS
6	947.620	30.28	-1.54	46.00	15.72	100	274	Horizontal	PASS

Mode:	BLE 1M-2402
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1340	42.70	1.10	74.00	31.30	150	356	Horizontal
2	3678	41.91	-17.69	74.00	32.09	150	351	Horizontal
3	4905	43.52	-14.35	74.00	30.48	150	191	Horizontal
4	7206	50.34	-12.26	74.00	23.66	150	234	Horizontal
5	9609	48.94	-8.59	74.00	25.06	150	254	Horizontal
6	14253	48.73	-1.16	74.00	25.27	150	315	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1282	41.94	1.13	74.00	32.06	150	89	Vertical
2	1816	43.99	4.38	74.00	30.01	150	6	Vertical
3	3942	42.92	-17.22	74.00	31.08	150	94	Vertical
4	7206	47.73	-12.26	74.00	26.27	150	310	Vertical
5	9609	49.74	-8.59	74.00	24.26	150	325	Vertical
6	14769	50.28	-1.60	74.00	23.72	150	74	Vertical

Mode:	BLE 1M-2440
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350	41.47	1.07	74.00	32.53	150	131	Horizontal
2	1726	43.60	3.40	74.00	30.40	150	186	Horizontal
3	4284	43.01	-16.38	74.00	30.99	150	163	Horizontal
4	7320	52.42	-11.84	74.00	21.58	150	229	Horizontal
5	9762	49.66	-7.91	74.00	24.34	150	238	Horizontal
6	13848	49.24	-2.44	74.00	24.76	150	85	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1338	42.73	1.10	74.00	31.27	150	246	Vertical
2	1900	45.55	5.27	74.00	28.45	150	46	Vertical
3	5256	46.24	-14.16	74.00	27.76	150	138	Vertical
4	7320	47.79	-11.84	74.00	26.21	150	306	Vertical
5	9759	51.72	-7.90	74.00	22.28	150	297	Vertical
6	14181	48.65	-2.28	74.00	25.35	150	150	Vertical

Mode:	BLE 1M-2480
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1338	42.02	1.10	74.00	31.98	150	243	Horizontal
2	1818	44.03	4.40	74.00	29.97	150	305	Horizontal
3	4959	45.77	-15.18	74.00	28.23	150	218	Horizontal
4	7440	50.00	-11.79	74.00	24.00	150	233	Horizontal
5	9921	48.48	-8.55	74.00	25.52	150	262	Horizontal
6	13698	48.73	-2.43	74.00	25.27	150	181	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1292	42.01	1.16	74.00	31.99	150	134	Vertical
2	1968	46.09	5.73	74.00	27.91	150	103	Vertical
3	3936	43.59	-17.13	74.00	30.41	150	97	Vertical
4	4959	46.58	-15.18	74.00	27.42	150	139	Vertical
5	7440	47.52	-11.79	74.00	26.48	150	46	Vertical
6	9921	48.04	-8.55	74.00	25.96	150	48	Vertical

Mode:	BLE 2M-2402
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1212	42.03	1.10	74.00	31.97	150	332	Horizontal
2	1806	44.21	4.28	74.00	29.79	150	208	Horizontal
3	5061	44.08	-14.17	74.00	29.92	150	180	Horizontal
4	7206	48.99	-12.26	74.00	25.01	150	229	Horizontal
5	9609	47.02	-8.59	74.00	26.98	150	50	Horizontal
6	14244	48.49	-1.27	74.00	25.51	150	65	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406	41.78	1.26	74.00	32.22	150	327	Vertical
2	1988	46.51	5.98	74.00	27.49	150	254	Vertical
3	3954	44.98	-17.28	74.00	29.02	150	129	Vertical
4	7206	45.74	-12.26	74.00	28.26	150	52	Vertical
5	9609	48.50	-8.59	74.00	25.50	150	147	Vertical
6	11874	47.05	-4.84	74.00	26.95	150	360	Vertical

Mode:	BLE 2M-2440
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NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1510	41.43	1.43	74.00	32.57	150	172	Horizontal
2	1862	44.04	4.85	74.00	29.96	150	7	Horizontal
3	4881	44.84	-14.67	74.00	29.16	150	22	Horizontal
4	7320	52.09	-11.84	74.00	21.91	150	230	Horizontal
5	9759	47.12	-7.90	74.00	26.88	150	239	Horizontal
6	13683	48.16	-2.39	74.00	25.84	150	285	Horizontal

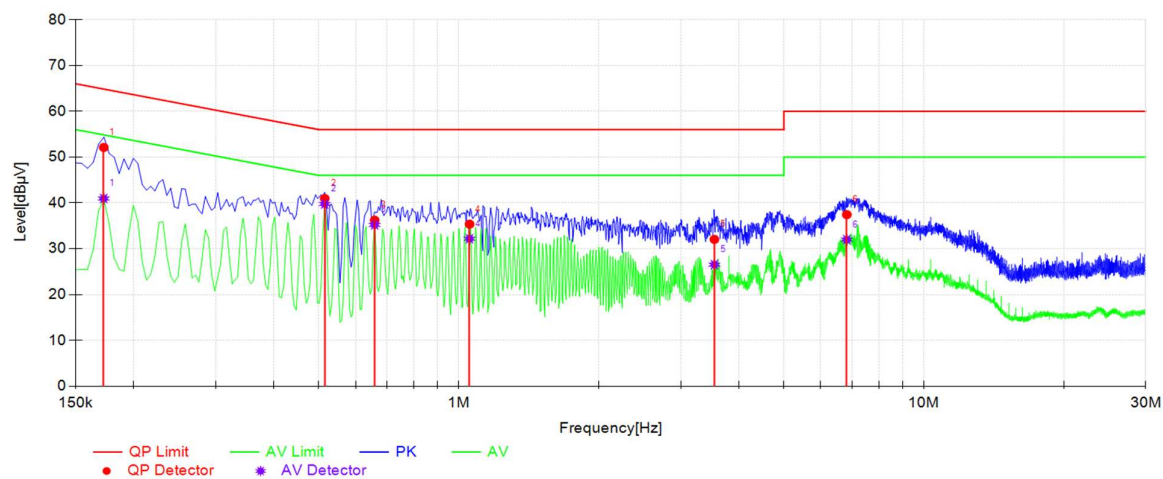
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1192	41.52	1.10	74.00	32.48	150	190	Vertical
2	1886	44.39	5.12	74.00	29.61	150	168	Vertical
3	4881	46.43	-14.67	74.00	27.57	150	300	Vertical
4	7320	47.59	-11.84	74.00	26.41	150	316	Vertical
5	9762	50.17	-7.91	74.00	23.83	150	357	Vertical
6	13707	48.12	-2.43	74.00	25.88	150	345	Vertical

Mode:	BLE 2M-2480
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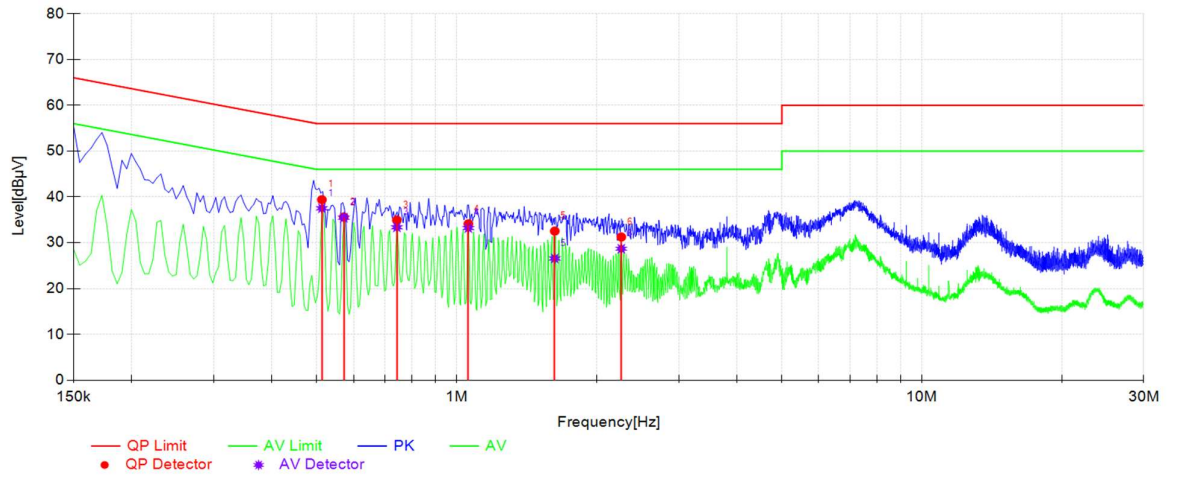
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1340	42.63	1.10	74.00	31.37	150	0	Horizontal
2	1888	44.52	5.14	74.00	29.48	150	173	Horizontal
3	4086	42.18	-16.91	74.00	31.82	150	206	Horizontal
4	4959	45.80	-15.18	74.00	28.20	150	94	Horizontal
5	7440	49.25	-11.79	74.00	24.75	150	236	Horizontal
6	11889	48.29	-4.77	74.00	25.71	150	159	Horizontal

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1318	42.46	1.15	74.00	31.54	150	214	Vertical
2	2040	45.58	6.30	74.00	28.42	150	296	Vertical
3	3945	46.52	-17.27	74.00	27.48	150	213	Vertical
4	4959	46.58	-15.18	74.00	27.42	150	306	Vertical
5	8382	45.01	-10.19	74.00	28.99	150	25	Vertical
6	9921	47.58	-8.55	74.00	26.42	150	112	Vertical

Appendix J: Conducted emission AC power port



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	0.1723	10.26	52.12	64.85	12.73	40.96	54.85	13.89	L1	PASS
2	0.5147	10.28	40.96	56.00	15.04	39.76	46.00	6.24	L1	PASS
3	0.6590	10.28	36.23	56.00	19.77	35.21	46.00	10.79	L1	PASS
4	1.0545	10.28	35.37	56.00	20.63	32.18	46.00	13.82	L1	PASS
5	3.5450	10.31	32.05	56.00	23.95	26.54	46.00	19.46	L1	PASS
6	6.8285	10.42	37.45	60.00	22.55	31.98	50.00	18.02	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	0.5125	10.28	39.40	56.00	16.60	37.53	46.00	8.47	N	PASS
2	0.5714	10.27	35.62	56.00	20.38	35.46	46.00	10.54	N	PASS
3	0.7431	10.28	34.94	56.00	21.06	33.37	46.00	12.63	N	PASS
4	1.0587	10.28	34.14	56.00	21.86	33.21	46.00	12.79	N	PASS
5	1.6239	10.29	32.55	56.00	23.45	26.58	46.00	19.42	N	PASS
6	2.2579	10.30	31.26	56.00	24.74	28.69	46.00	17.31	N	PASS