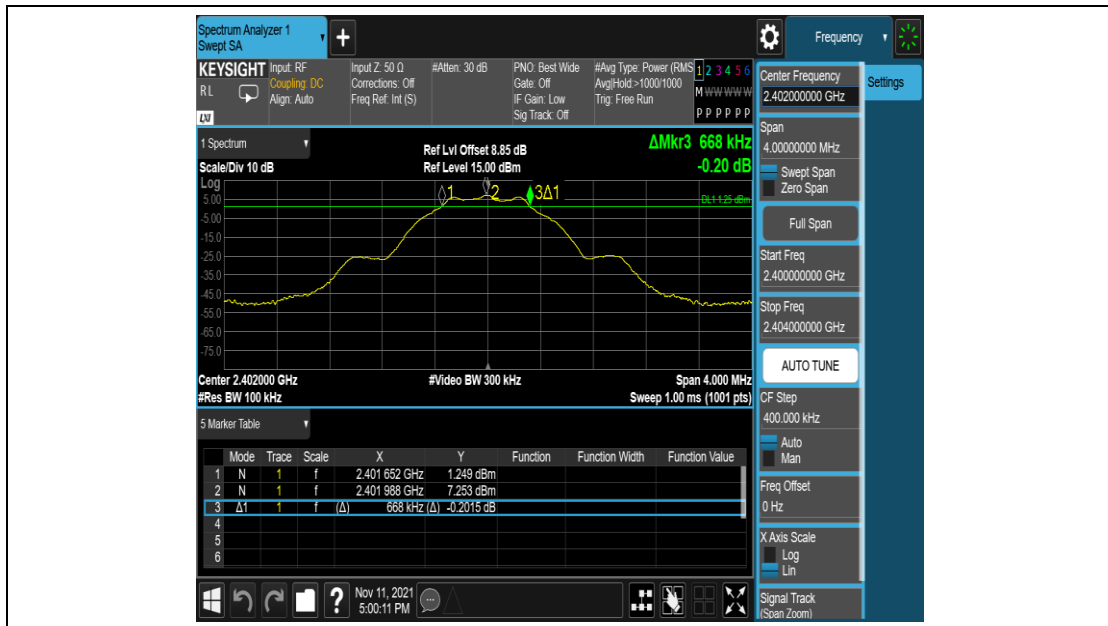


Appendix A: DTS Bandwidth

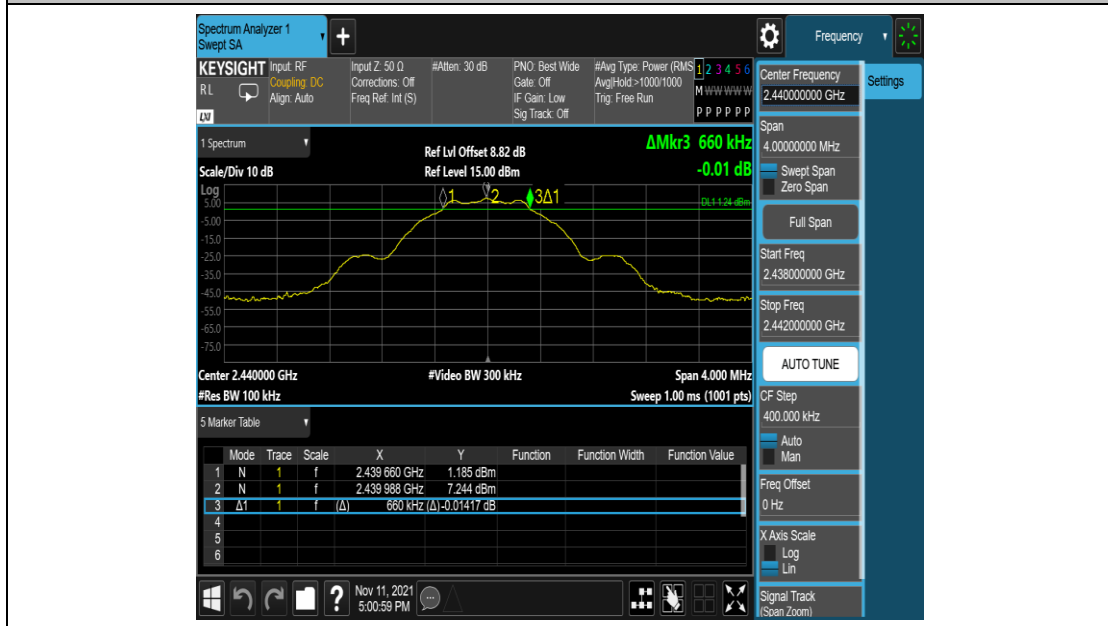
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.652	2402.320	0.5	PASS
		2440	0.660	2439.660	2440.320	0.5	PASS
		2480	0.680	2479.644	2480.324	0.5	PASS

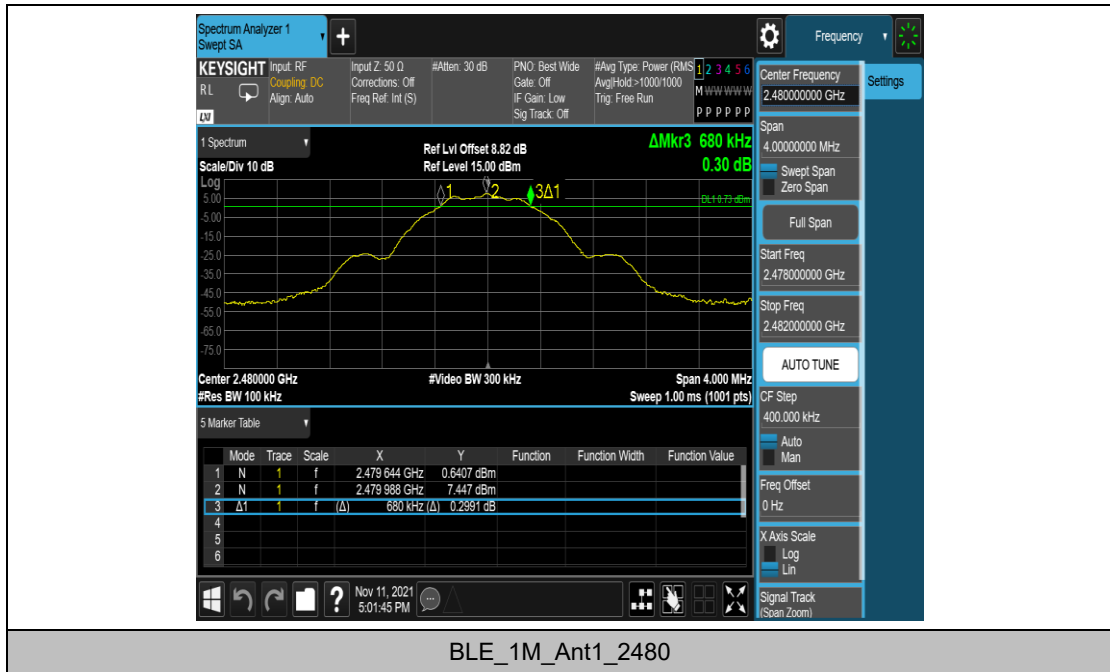
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



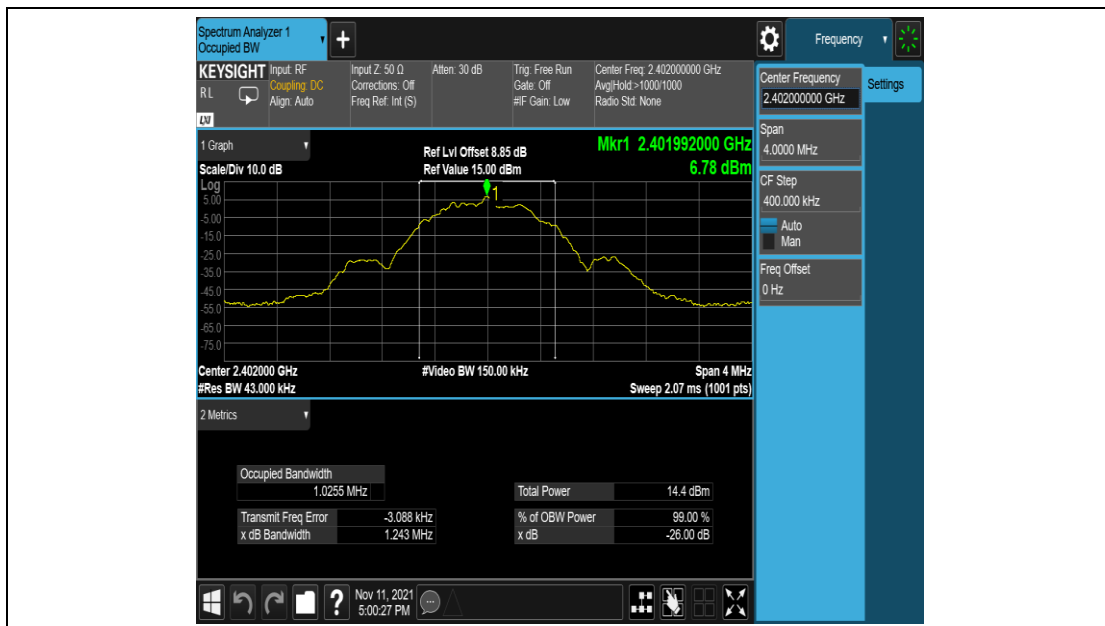
BLE_1M_Ant1_2480

Appendix B: Occupied Channel Bandwidth

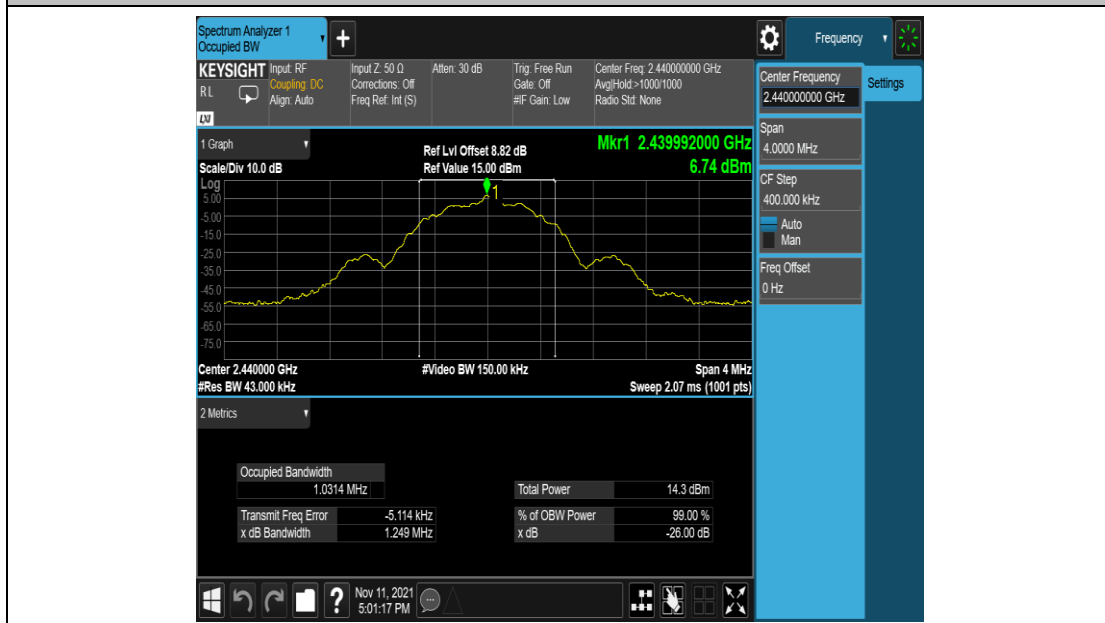
Test Result

TestMode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0254	---	PASS
		2440	1.0313	---	PASS
		2480	1.0325	---	PASS

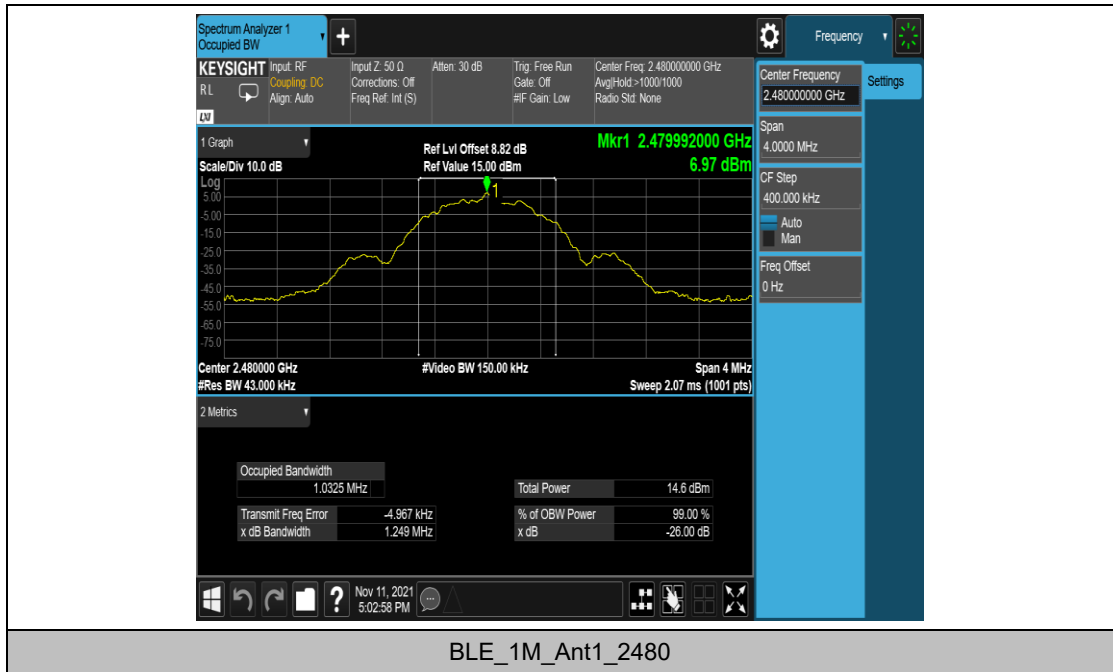
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

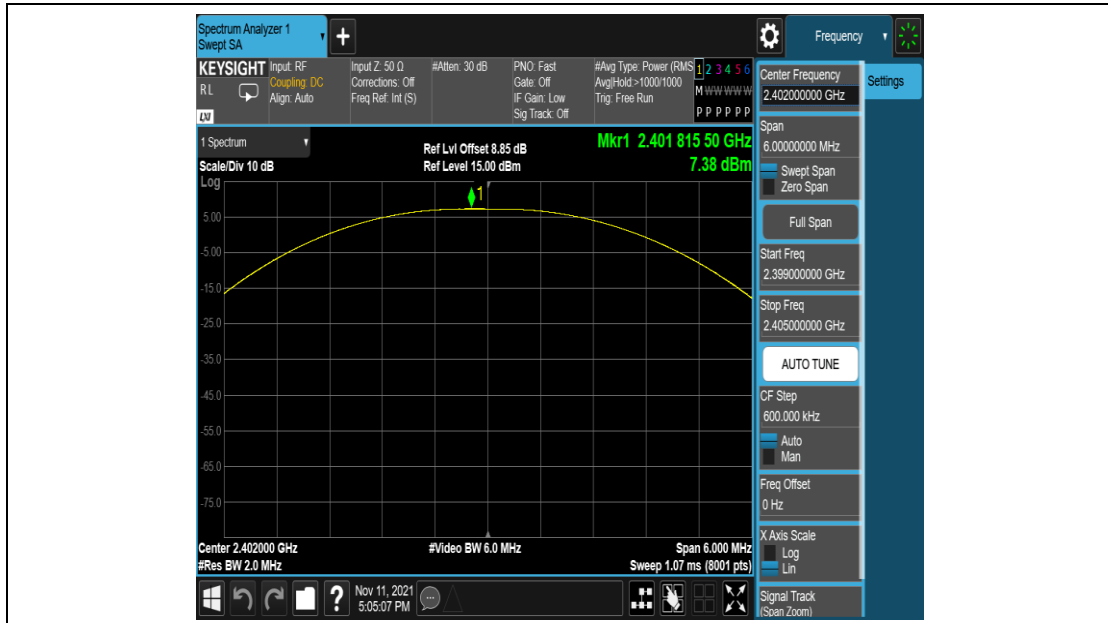
Appendix C: Maximum conducted output power

Test Result

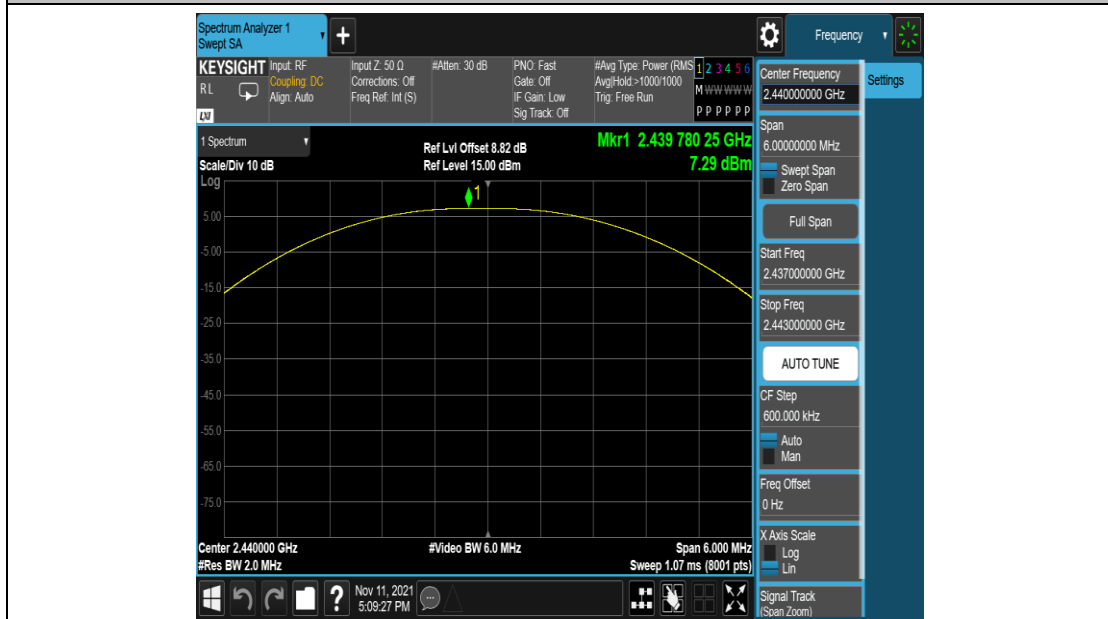
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.38	≤30	PASS
		2440	7.29	≤30	PASS
		2480	7.52	≤30	PASS

TestMode	Antenna	Channel	e.i.r.p Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	9.08	≤36	PASS
		2440	8.99	≤36	PASS
		2480	9.22	≤36	PASS

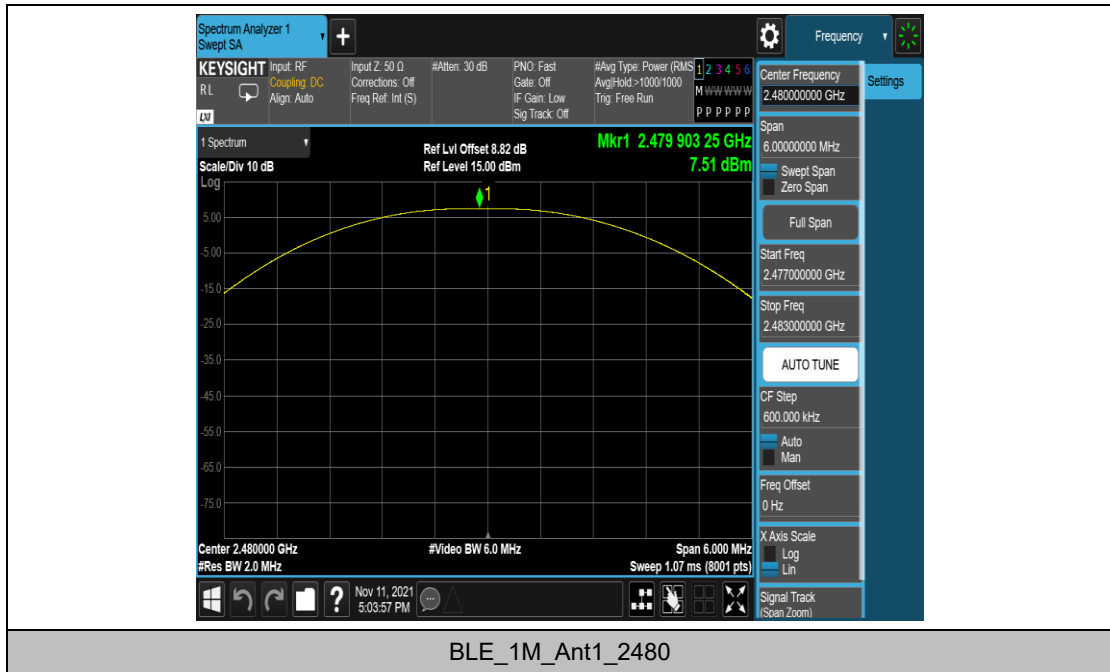
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



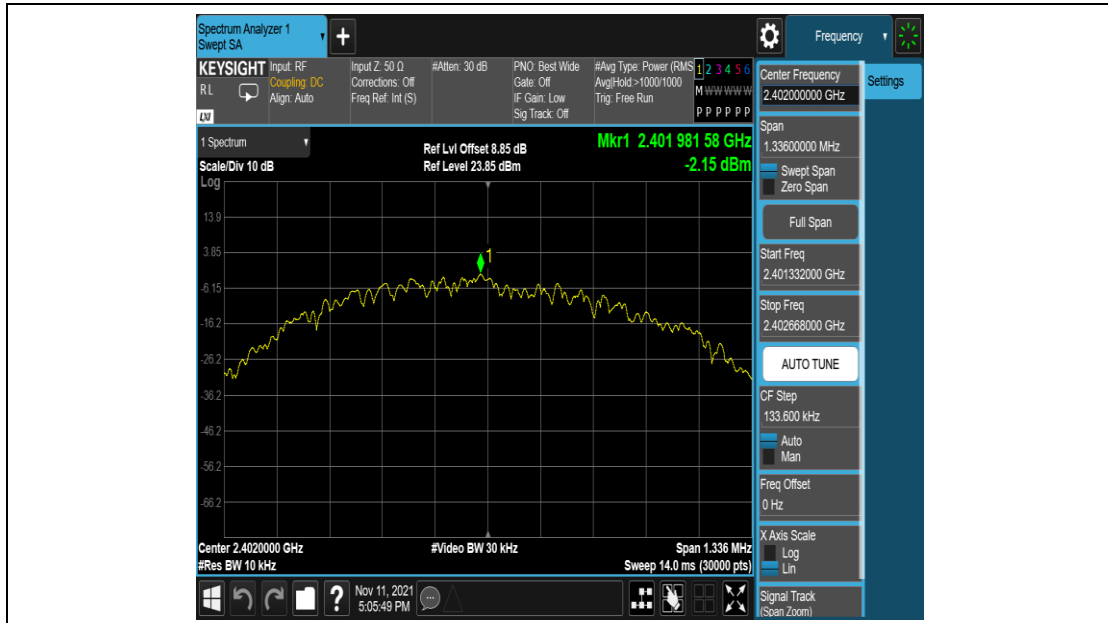
BLE_1M_Ant1_2480

Appendix D: Maximum power spectral density

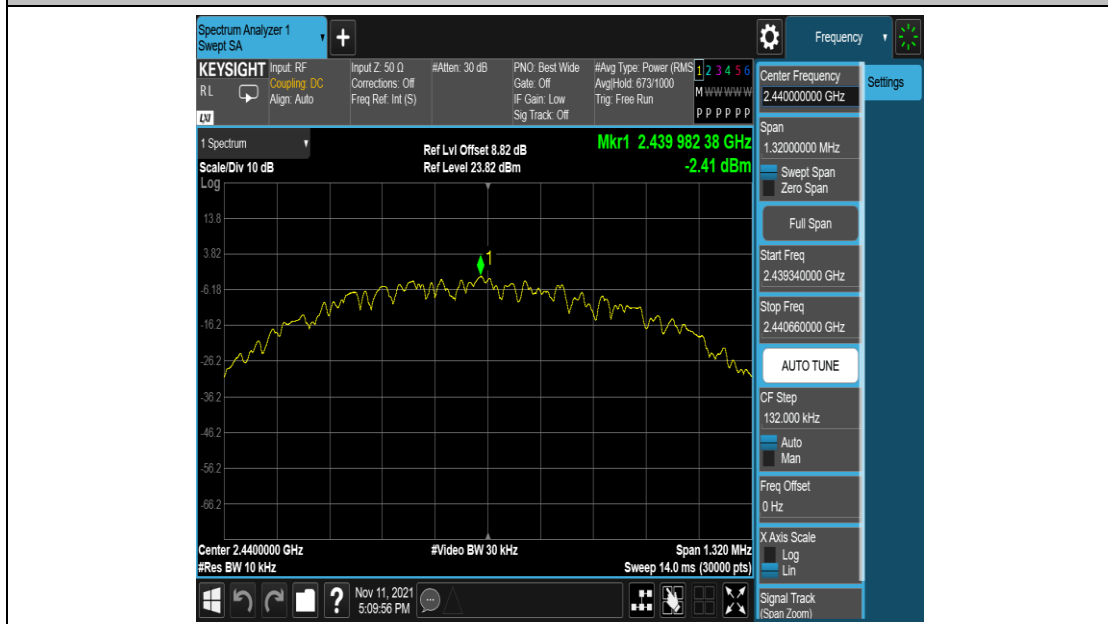
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-2.15	≤8	PASS
		2440	-2.41	≤8	PASS
		2480	-2.04	≤8	PASS

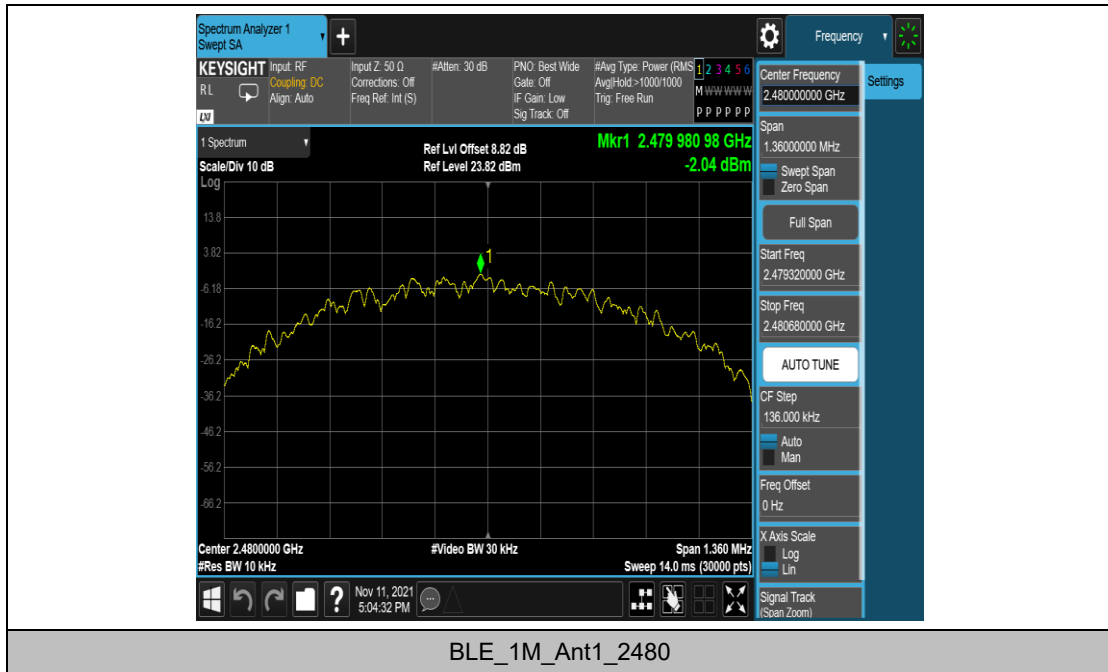
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



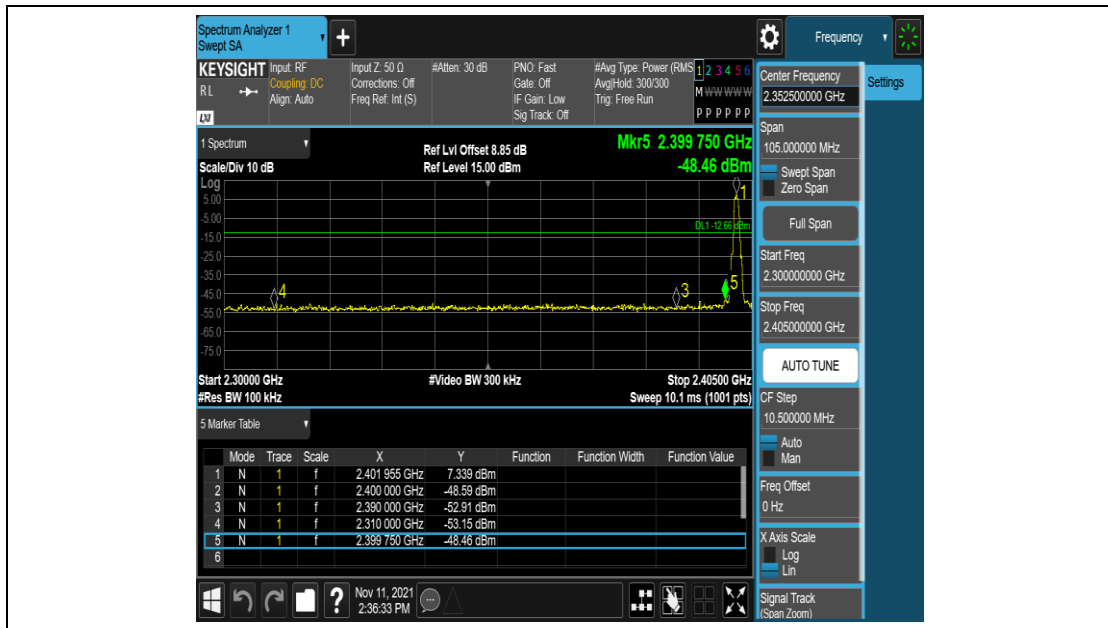
BLE_1M_Ant1_2480

Appendix E: Band edge measurements

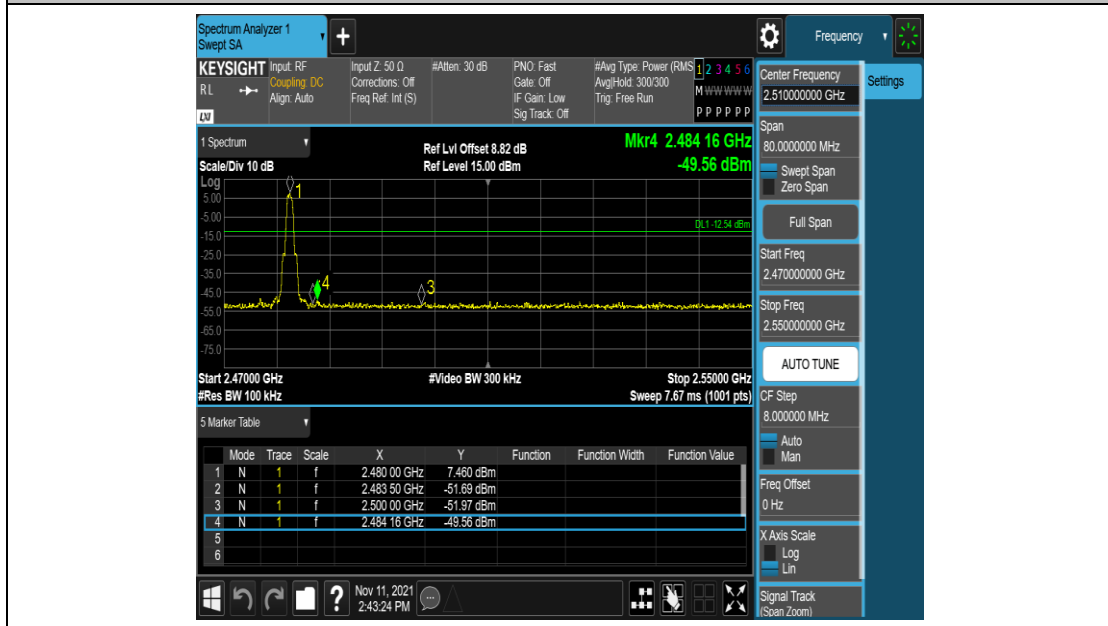
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.34	-48.46	≤-12.66	PASS
		High	2480	7.46	-49.56	≤-12.54	PASS

Test Graphs



BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

Appendix F: Conducted Spurious Emission

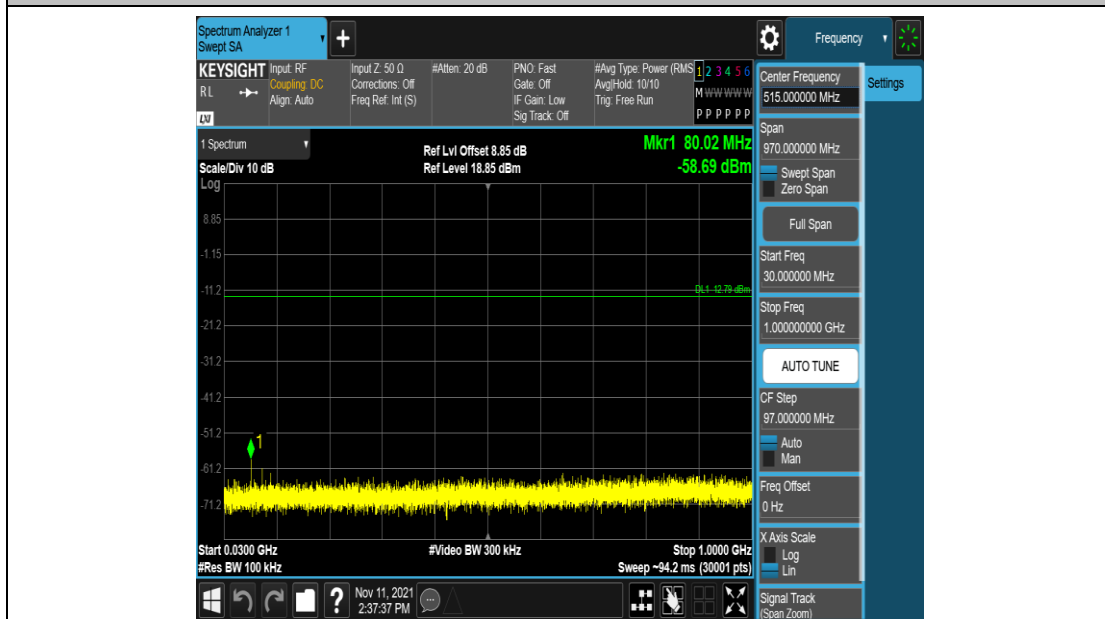
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	7.21	7.21	---	PASS
			30~1000	7.21	-58.69	≤-12.79	PASS
			1000~26500	7.21	-53.56	≤-12.79	PASS
		2440	Reference	7.20	7.20	---	PASS
			30~1000	7.20	-59.06	≤-12.8	PASS
			1000~26500	7.20	-53.13	≤-12.8	PASS
		2480	Reference	7.40	7.40	---	PASS
			30~1000	7.40	-58.06	≤-12.6	PASS
			1000~26500	7.40	-52.98	≤-12.6	PASS

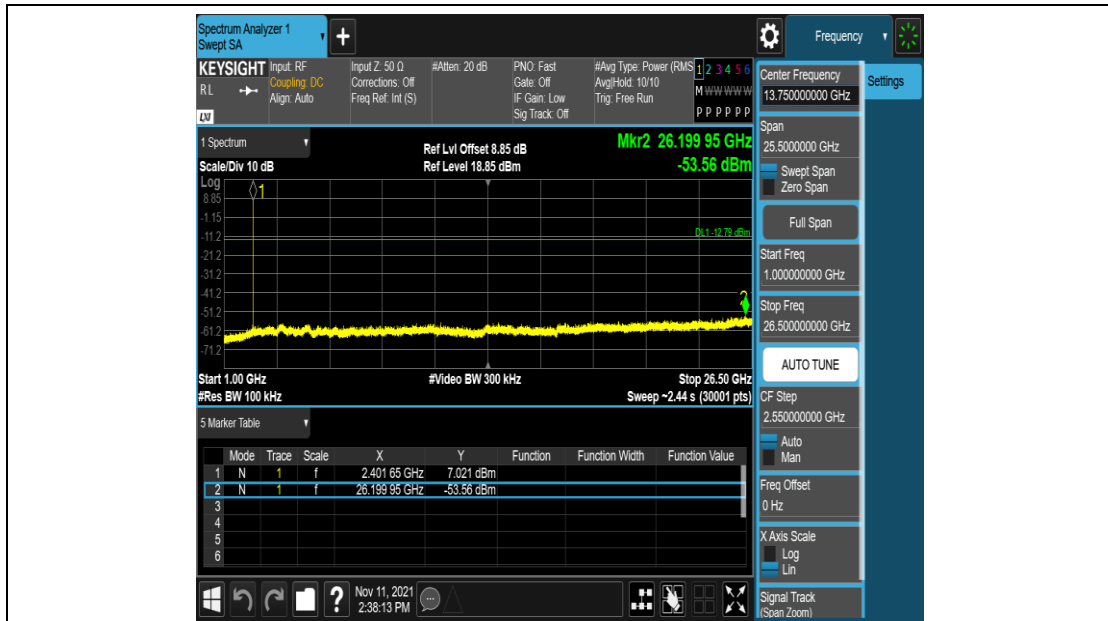
Test Graphs



BLE_1M_Ant1_2402_0~Reference



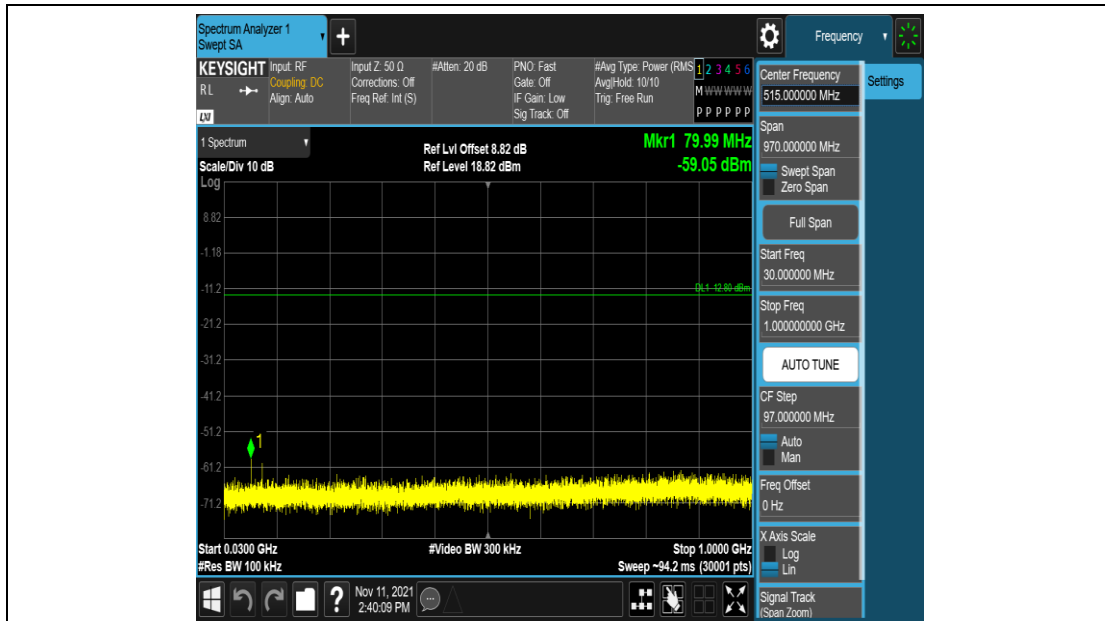
BLE_1M_Ant1_2402_30~1000



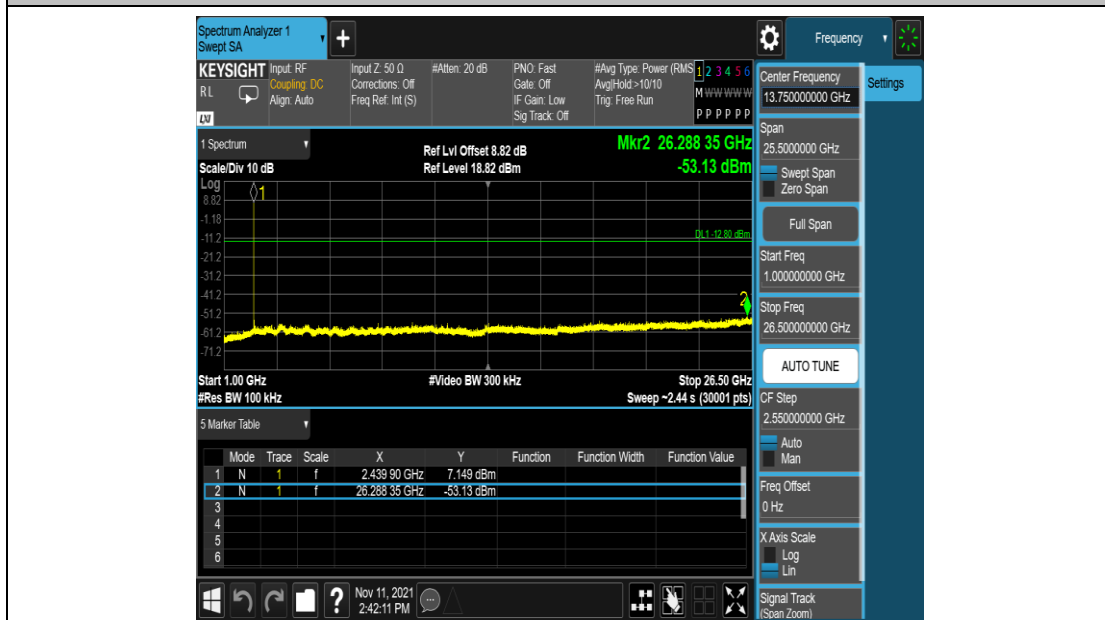
BLE_1M_Ant1_2402_1000~26500



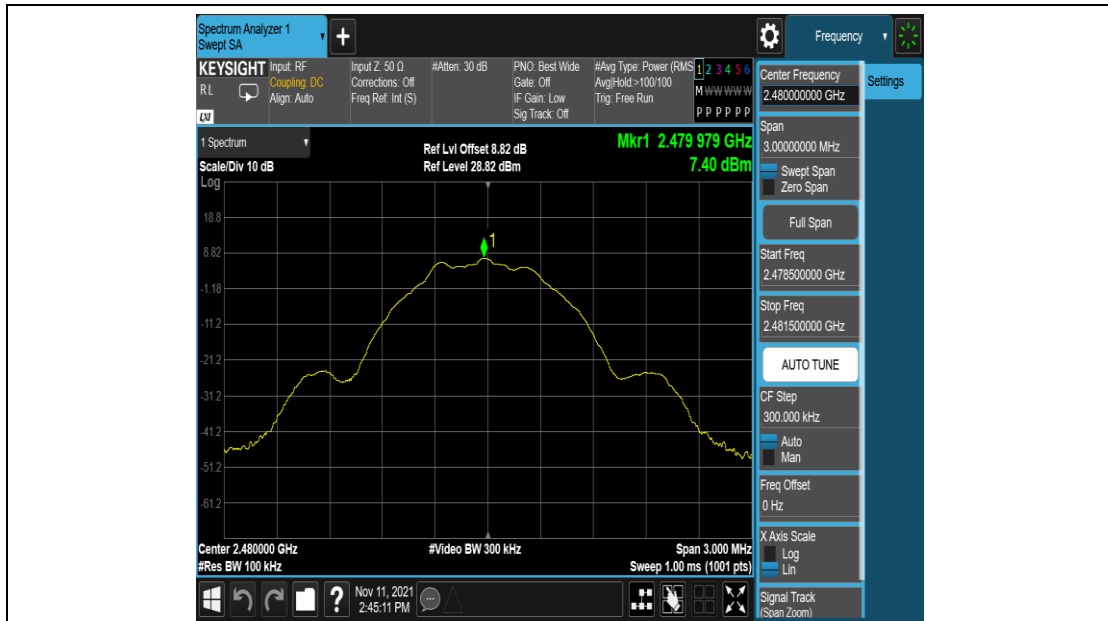
BLE_1M_Ant1_2440_0~Reference



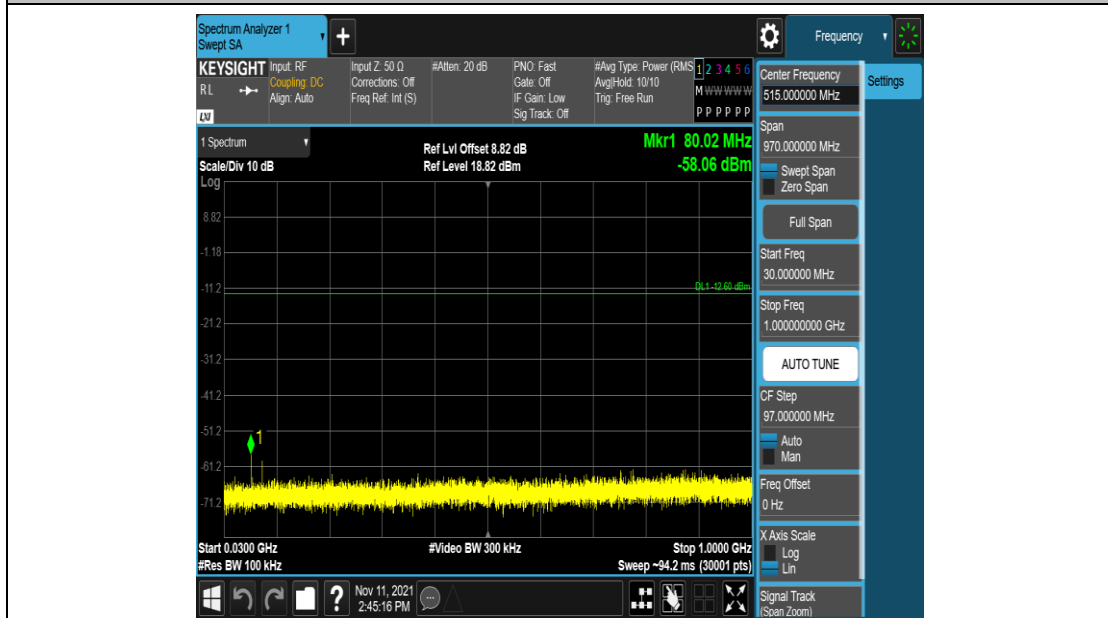
BLE_1M_Ant1_2440_30~1000



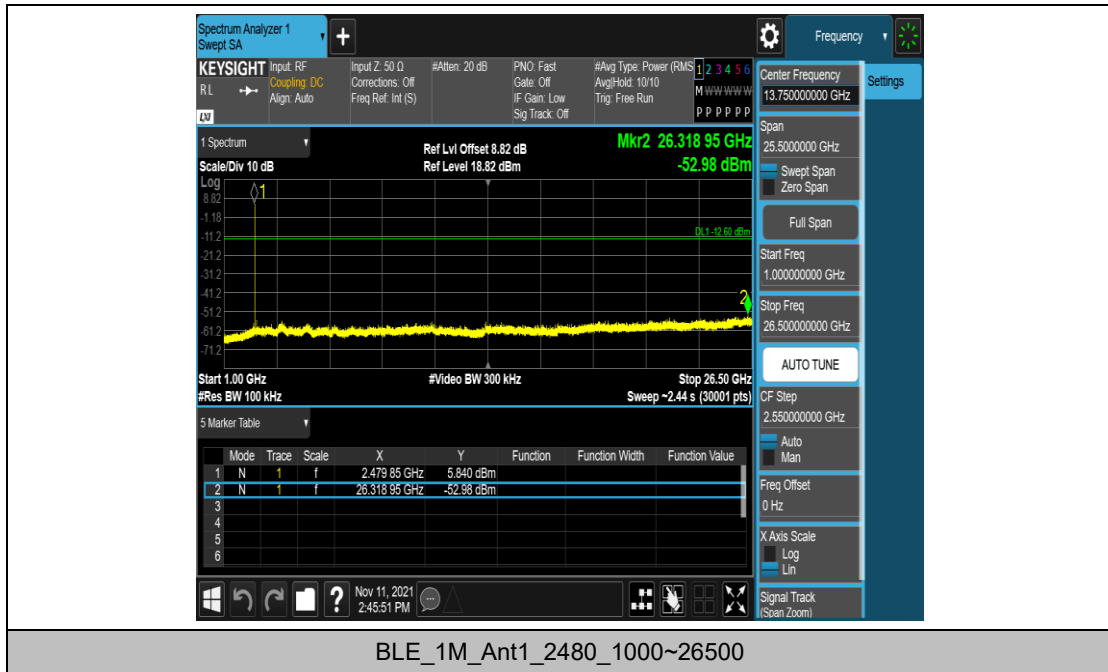
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



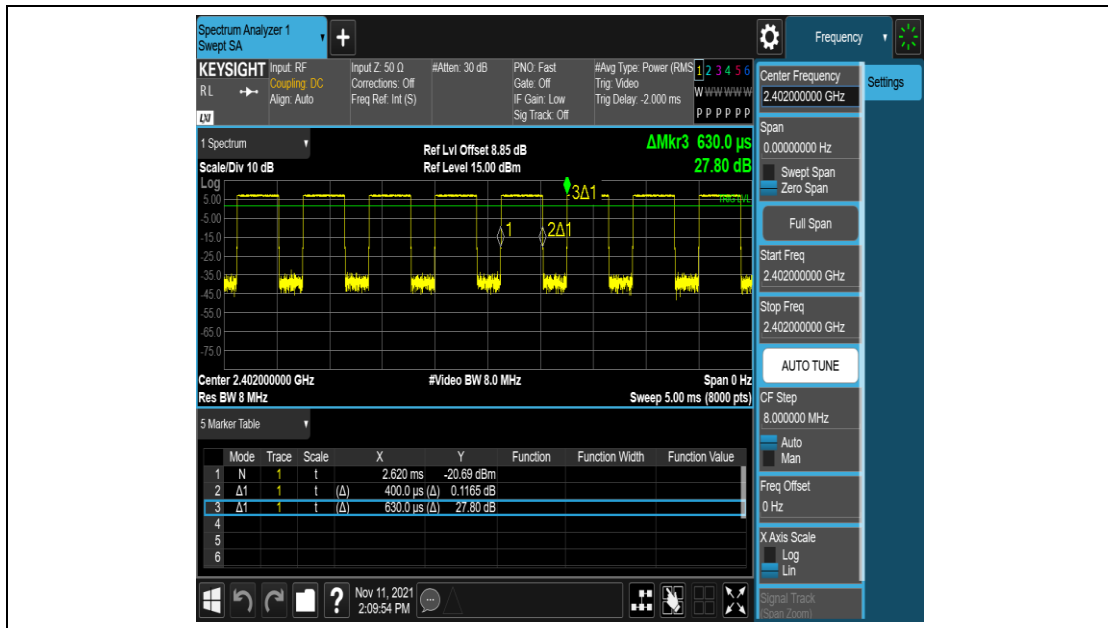
BLE_1M_Ant1_2480_1000~26500

Appendix G: Duty Cycle

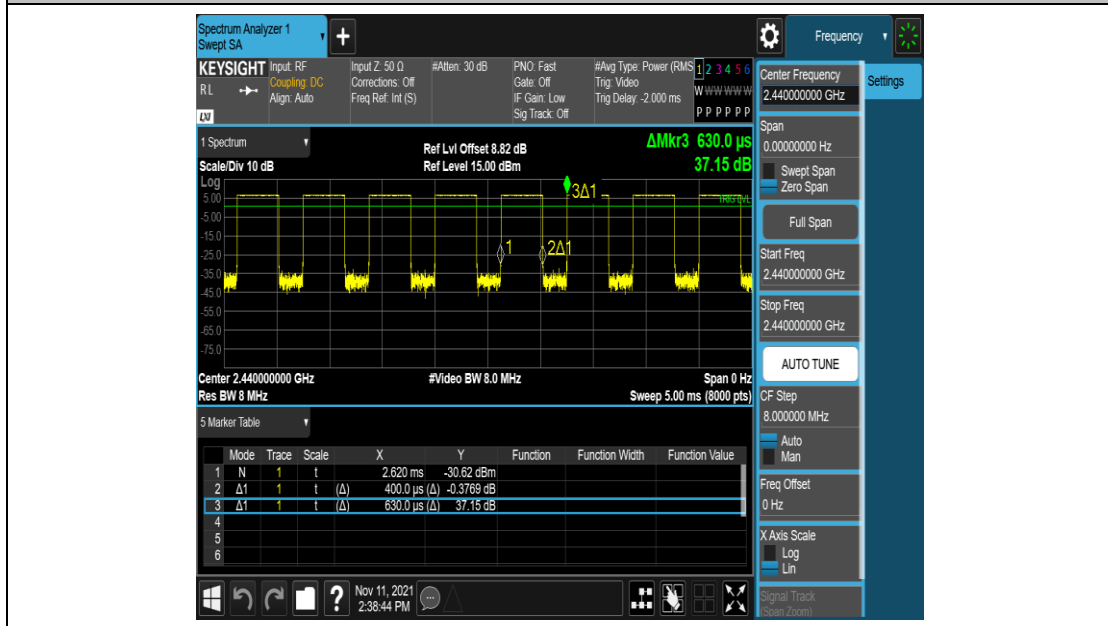
Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.63	0.6349	63.49	1.97	---	PASS
		2440	0.40	0.63	0.6349	63.49	1.97	---	PASS
		2480	0.40	0.63	0.6349	63.49	1.97	---	PASS

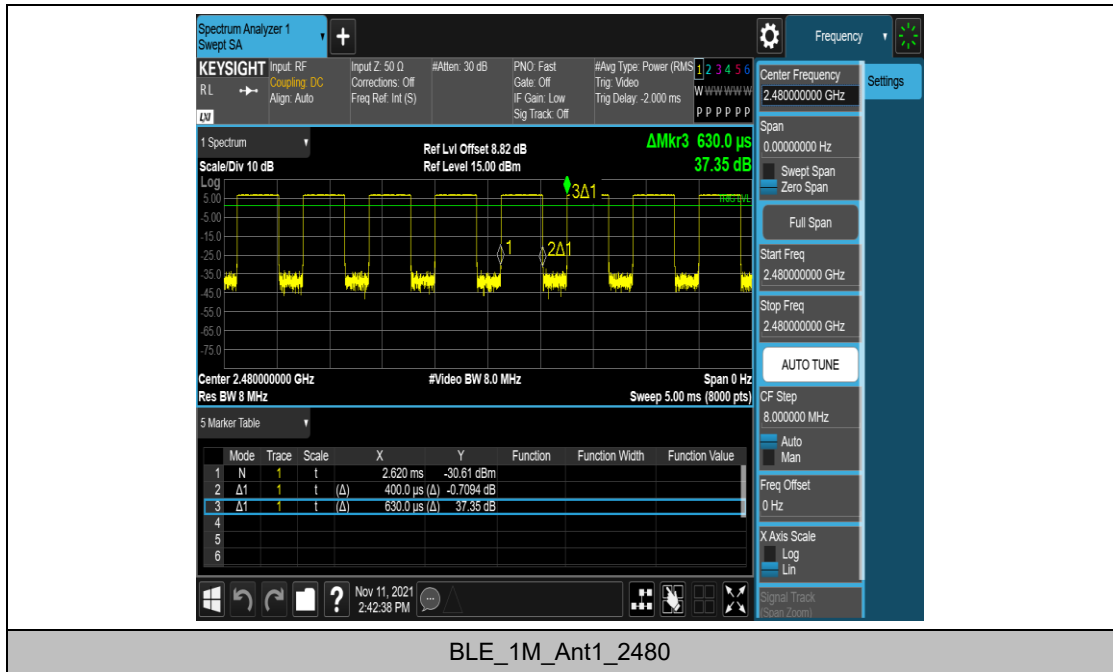
Test Graphs



BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

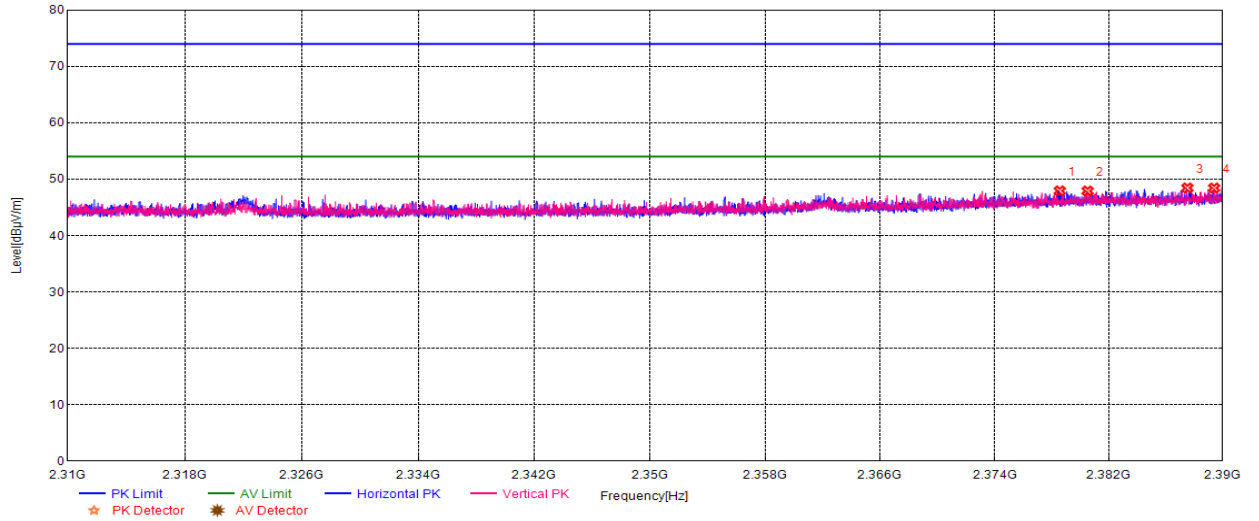


BLE_1M_Ant1_2480

Appendix H: Emissions in Restricted Bands

Mode:	2402	Voltage:	120V/60Hz
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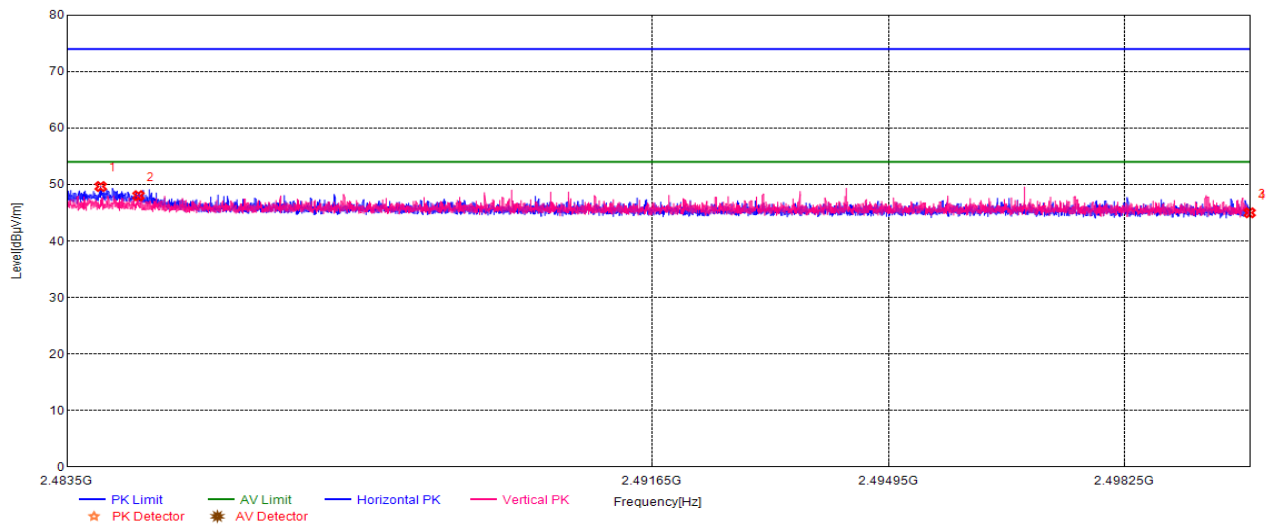
Test Graph



PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBµV/m]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	2378.550	66.12	47.93	-18.19	74.00	26.07	Horizontal	PASS
2	2380.503	65.99	47.91	-18.08	74.00	26.09	Vertical	PASS
3	2387.511	66.16	48.45	-17.71	74.00	25.55	Horizontal	PASS
4	2389.391	66.05	48.44	-17.61	74.00	25.56	Vertical	PASS

Mode:	2480	Voltage:	120V/60Hz
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Test Graph



PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBµV/m]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	2483.963	67.79	49.65	-18.14	74.00	24.35	Horizontal	PASS
2	2484.488	66.30	48.03	-18.27	74.00	25.97	Vertical	PASS
3	2500.000	63.85	45.00	-18.85	74.00	29.00	Vertical	PASS
4	2500.000	63.48	44.63	-18.85	74.00	29.37	Horizontal	PASS

Appendix I: Spurious emissions

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

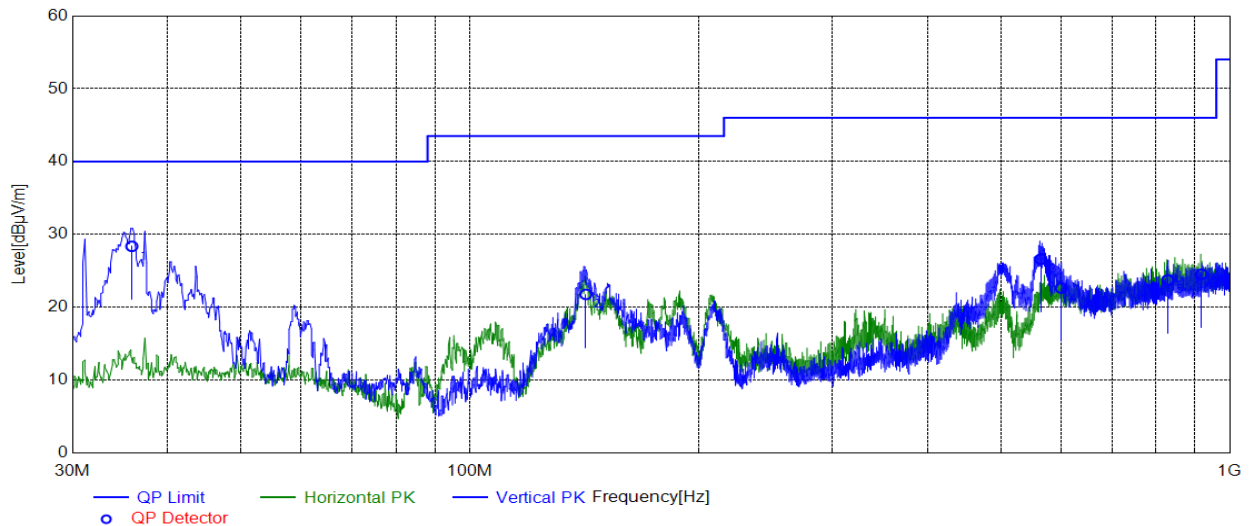
According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Above 1GHz, The emission level with margin less than 20db is recorded.

Below 1GHz

Mode:	BLE 2402	Voltage:	120V/60Hz
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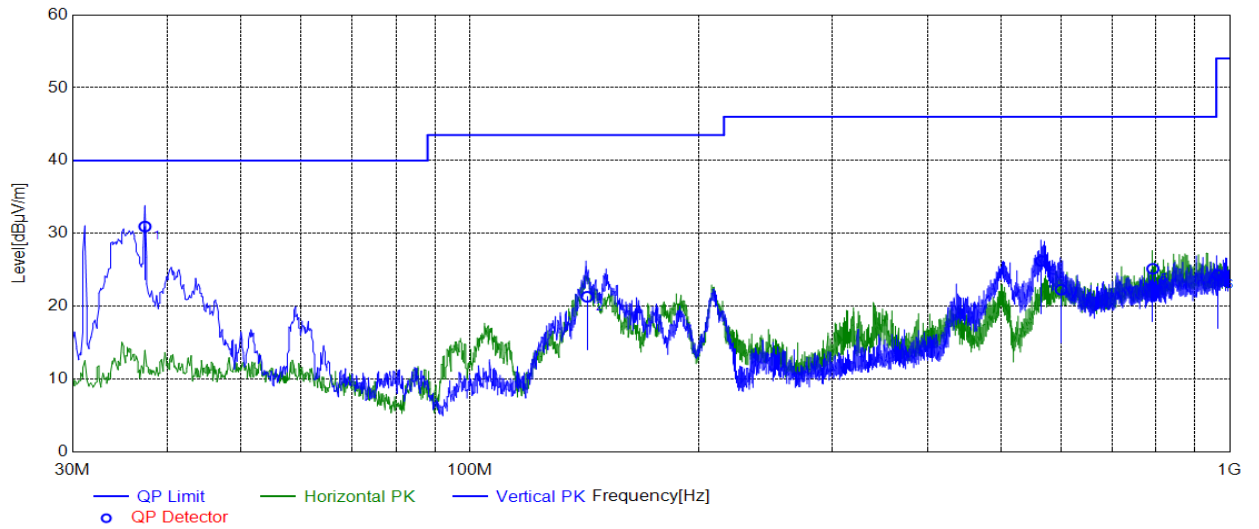
Test Graph



QP Final Data List							
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	35.9176	-16.42	28.37	40.00	11.63	Vertical	PASS
2	142.143	-16.08	21.78	43.50	21.72	Horizontal	PASS
3	564.135	-6.65	26.62	46.00	19.38	Vertical	PASS
4	600.126	-2.92	22.65	46.00	23.35	Horizontal	PASS
5	829.456	-4.18	23.75	46.00	22.25	Vertical	PASS
6	917.444	-4.04	24.54	46.00	21.46	Horizontal	PASS

Mode:	BLE 2440	Voltage:	120V/60Hz
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Test Graph

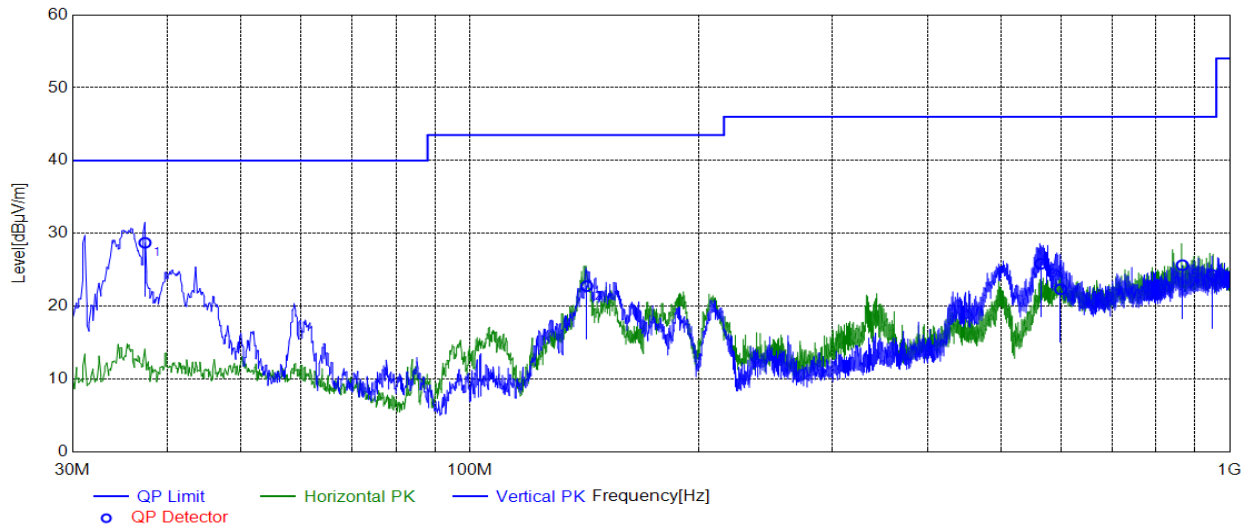


QP Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	37.3727	-16.16	30.95	40.00	9.05	Vertical	PASS
2	142.725	-16.07	21.31	43.50	22.19	Horizontal	PASS
3	565.008	-6.40	26.22	46.00	19.78	Vertical	PASS
4	600.029	-2.91	22.28	46.00	23.72	Horizontal	PASS
5	792.108	-4.49	25.15	46.00	20.85	Horizontal	PASS
6	963.912	-3.79	24.28	54.00	29.72	Vertical	PASS

Mode:	BLE 2480	Voltage:	120V/60Hz
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Test Graph



QP Final Data List							
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Polarity	Verdict
1	37.3727	-16.16	28.72	40.00	11.28	Vertical	PASS
2	142.531	-16.07	22.77	43.50	20.73	Horizontal	PASS
3	564.232	-6.62	25.84	46.00	20.16	Vertical	PASS
4	598.961	-2.96	22.35	46.00	23.65	Horizontal	PASS
5	866.029	-4.30	25.65	46.00	20.35	Horizontal	PASS
6	948.099	-3.81	24.30	46.00	21.70	Vertical	PASS

Above 1GHz

Mode:	2402	Voltage:	120V/60Hz
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dB μ V/m]	Factor [dB/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	Polarity	Verdict
1	4804.8783	64.67	-16.46	48.20	74.00	25.80	Vertical	PASS
2	4804.5765	64.17	-16.47	47.71	74.00	26.29	Horizontal	PASS

AV Final Data List								
NO.	Freq. [MHz]	AV Reading [dB μ V/m]	Factor [dB/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Polarity	Verdict
1	4804.8783	54.79	-16.46	38.32	54.00	15.68	Vertical	PASS
2	4804.5765	54.65	-16.47	38.19	54.00	15.81	Horizontal	PASS

Mode:	2440	Voltage:	120V/60Hz
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dB μ V/m]	Factor [dB/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	Polarity	Verdict
1	4880.8431	64.95	-16.32	48.63	74.00	25.37	Vertical	PASS
2	4880.8611	64.53	-16.32	48.21	74.00	25.79	Horizontal	PASS

AV Final Data List								
NO.	Freq. [MHz]	AV Reading [dB μ V/m]	Factor [dB/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Polarity	Verdict
1	4880.8431	55.03	-16.32	38.71	54.00	15.29	Vertical	PASS
2	4880.8611	54.88	-16.32	38.56	54.00	15.44	Horizontal	PASS

Mode:	2480	Voltage:	120V/60Hz
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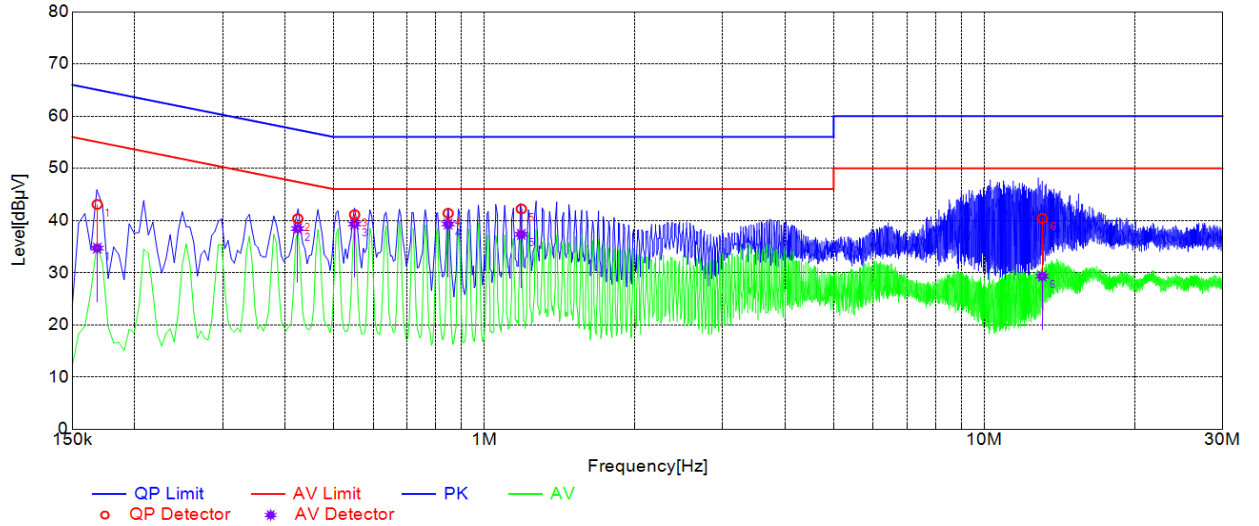
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dB μ V/m]	Factor [dB/m]	PK Value [dB μ V/m]	PK Limit [dB μ V/m]	PK Margin [dB]	Polarity	Verdict
1	4960.2016	65.16	-16.34	48.83	74.00	25.17	Vertical	PASS
2	4960.7006	64.47	-16.33	48.14	74.00	25.86	Horizontal	PASS

AV Final Data List								
NO.	Freq. [MHz]	AV Reading [dB μ V/m]	Factor [dB/m]	AV Value [dB μ V/m]	AV Limit [dB μ V/m]	AV Margin [dB]	Polarity	Verdict
1	4960.2016	54.31	-16.34	37.98	54.00	16.02	Vertical	PASS
2	4960.7006	54.49	-16.33	38.16	54.00	15.84	Horizontal	PASS

Appendix J: Conducted emission AC power port

Mode:	BLE	Voltage:	120V/60Hz
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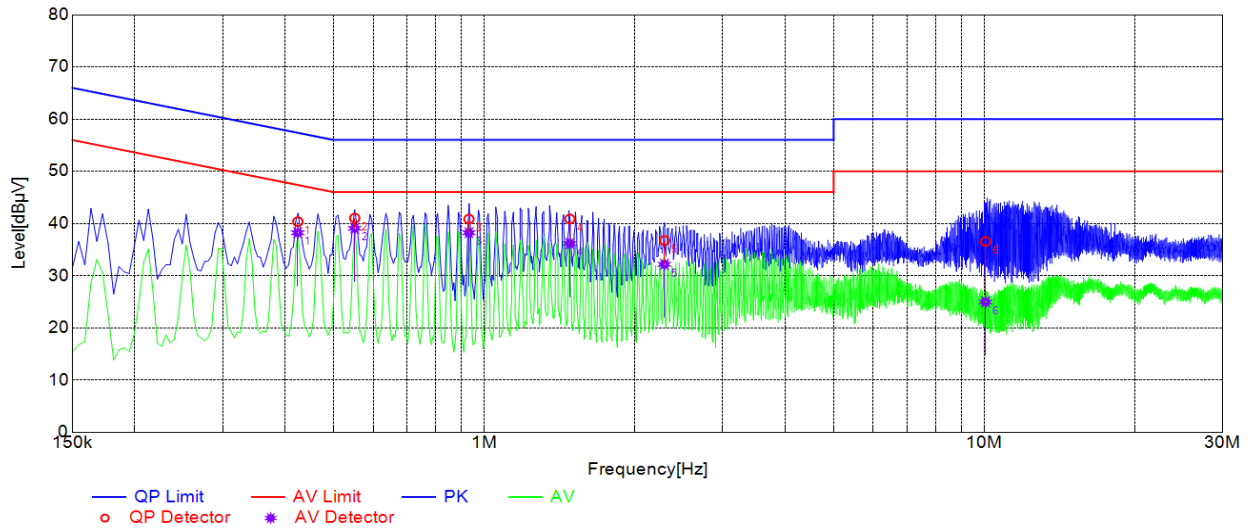
Test Graph



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]	Polarity	Verdict
1	0.1683	10.25	43.08	65.04	21.96	34.70	55.04	20.34	L	PASS
2	0.4237	10.25	40.34	57.37	17.03	38.44	47.37	8.93	L	PASS
3	0.5505	10.27	41.12	56.00	14.88	39.32	46.00	6.68	L	PASS
4	0.8472	10.28	41.38	56.00	14.62	39.32	46.00	6.68	L	PASS
5	1.1862	10.31	42.21	56.00	13.79	37.33	46.00	8.67	L	PASS
6	13.0603	10.61	40.41	60.00	19.59	29.31	50.00	20.69	L	PASS

Mode:	BLE	Voltage:	120V/60Hz
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Test Graph



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]	Polarity	Verdict
1	0.4238	10.25	40.34	57.37	17.03	38.22	47.37	9.15	N	PASS
2	0.5509	10.27	41.03	56.00	14.97	39.05	46.00	6.95	N	PASS
3	0.9321	10.28	40.84	56.00	15.16	38.22	46.00	7.78	N	PASS
4	1.4835	10.28	40.86	56.00	15.14	36.15	46.00	9.85	N	PASS
5	2.2942	10.30	36.73	56.00	19.27	32.17	46.00	13.83	N	PASS
6	10.0645	10.48	36.54	60.00	23.46	24.96	50.00	25.04	N	PASS