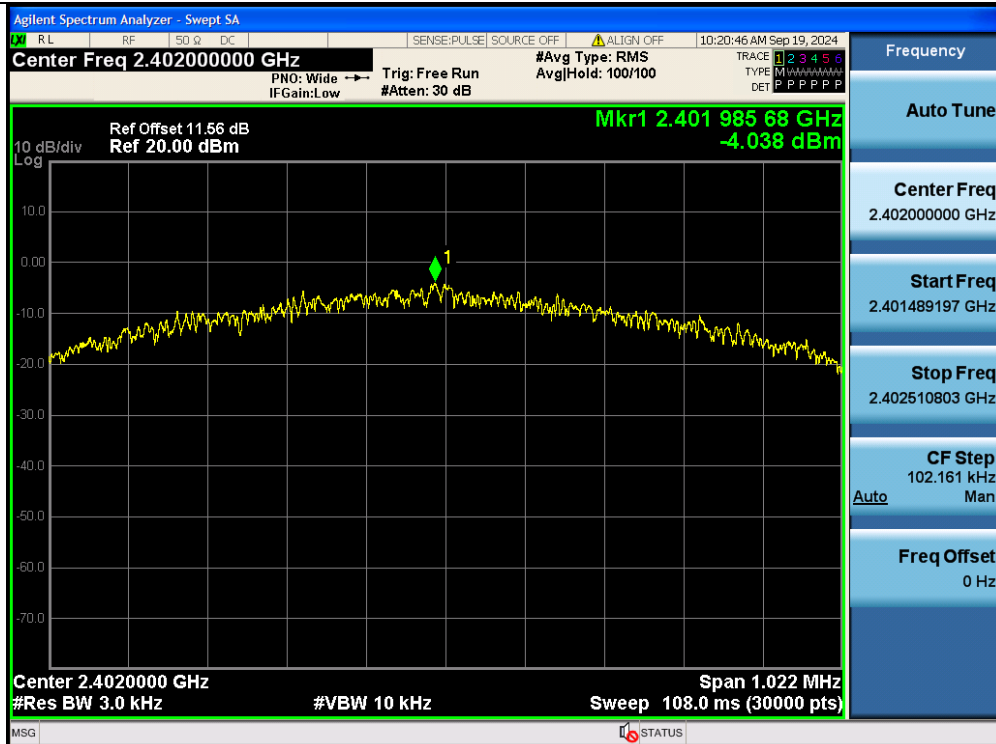


Appendix A: Test Results of Bluetooth Low Energy

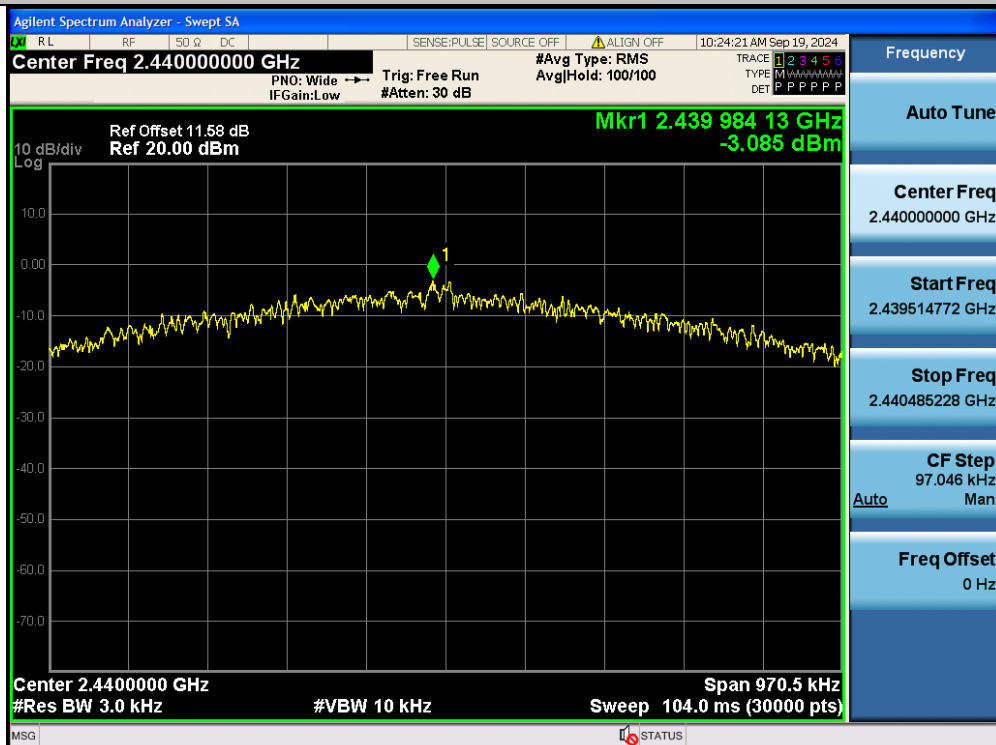
APPENDIX A: TEST RESULTS OF BLUETOOTH LOW ENERGY	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX A.2: TEST RESULTS OF 6dB BANDWIDTH	6
APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH.....	10
APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	14
<i>Band Edge</i>	<i>14</i>
<i>Conducted Spurious Emission</i>	<i>17</i>
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	27
<i>30 MHz - 1GHz</i>	<i>27</i>
<i>1GHz - 18GHz.....</i>	<i>29</i>
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	41
APPENDIX A.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	49

Appendix A.1: Test Results of Conducted Power Spectral Density

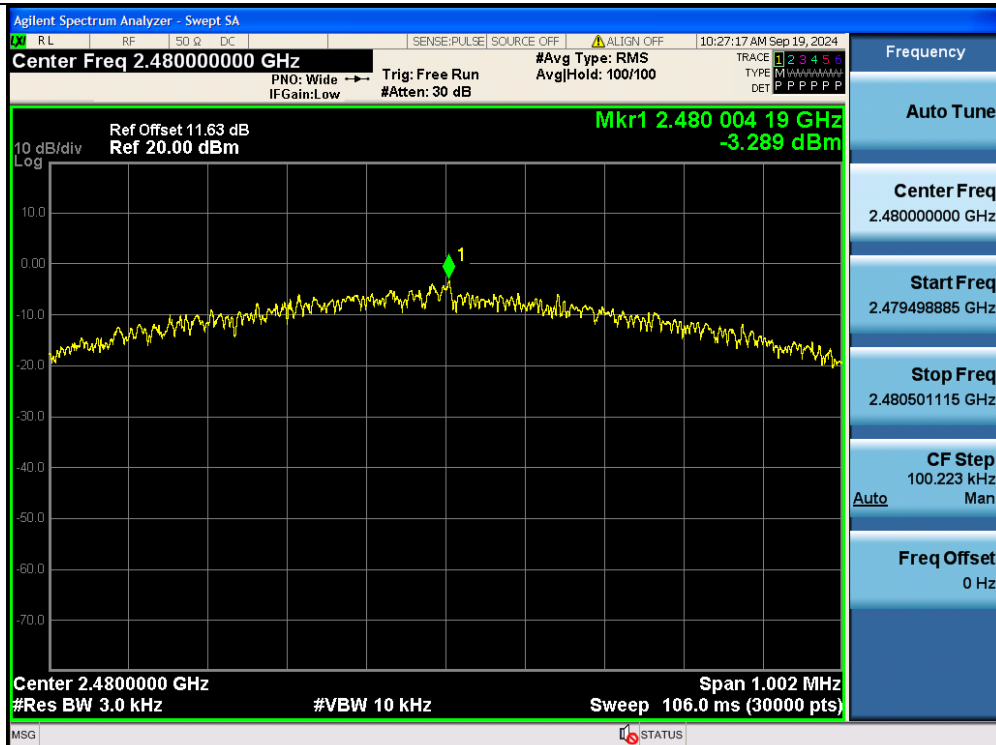
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.04	≤8.00	PASS
BLE_1M	Ant1	2440	-3.09	≤8.00	PASS
BLE_1M	Ant1	2480	-3.29	≤8.00	PASS
BLE_2M	Ant1	2402	-4.90	≤8.00	PASS
BLE_2M	Ant1	2440	-5.07	≤8.00	PASS
BLE_2M	Ant1	2480	-5.08	≤8.00	PASS



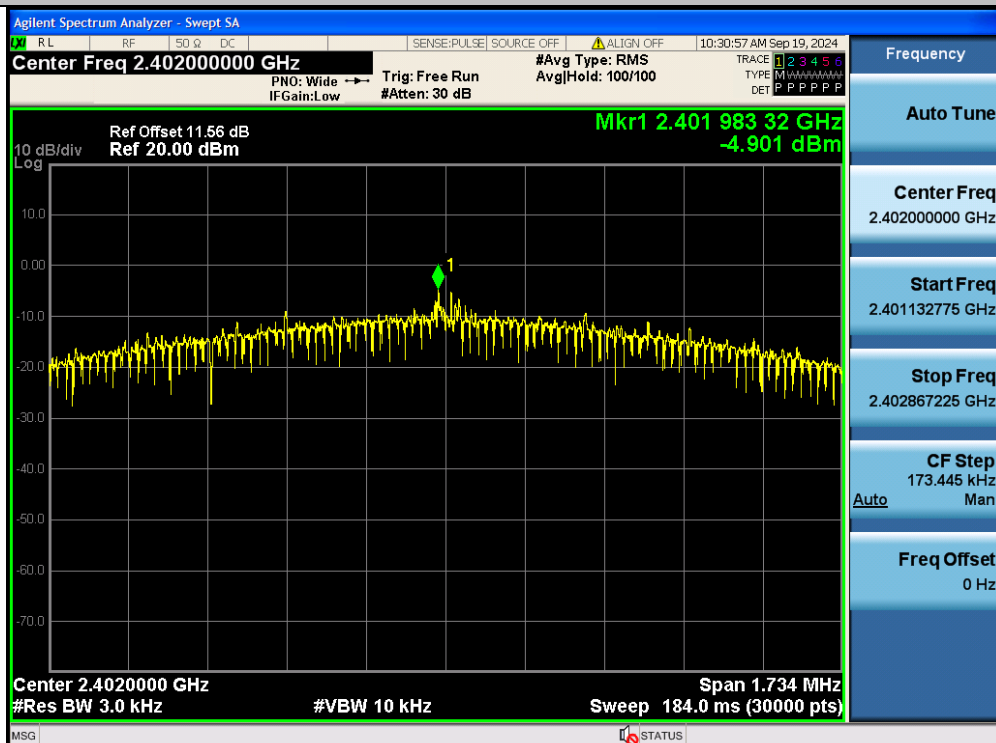
BLE_1M-Ant1-2402-PASS



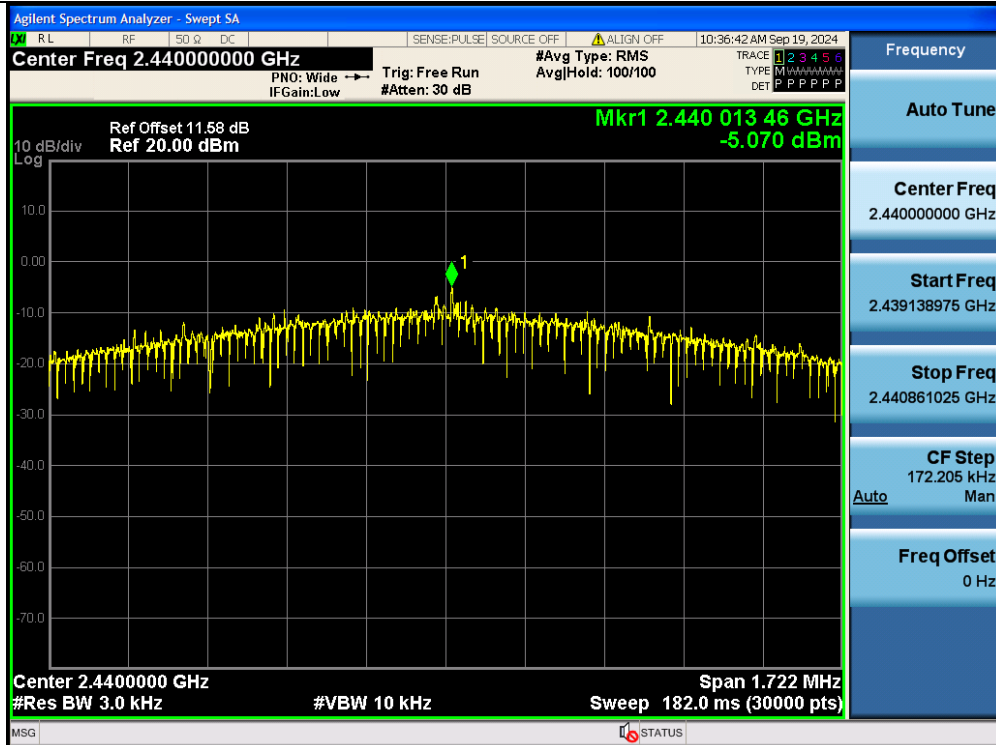
BLE_1M-Ant1-2440-PASS



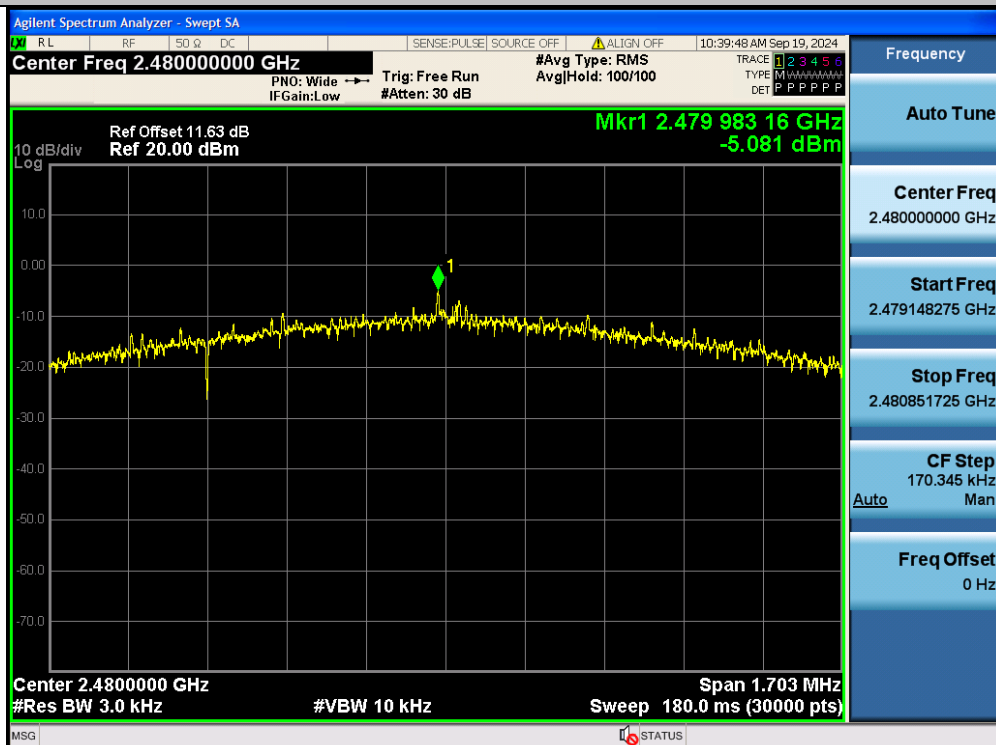
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



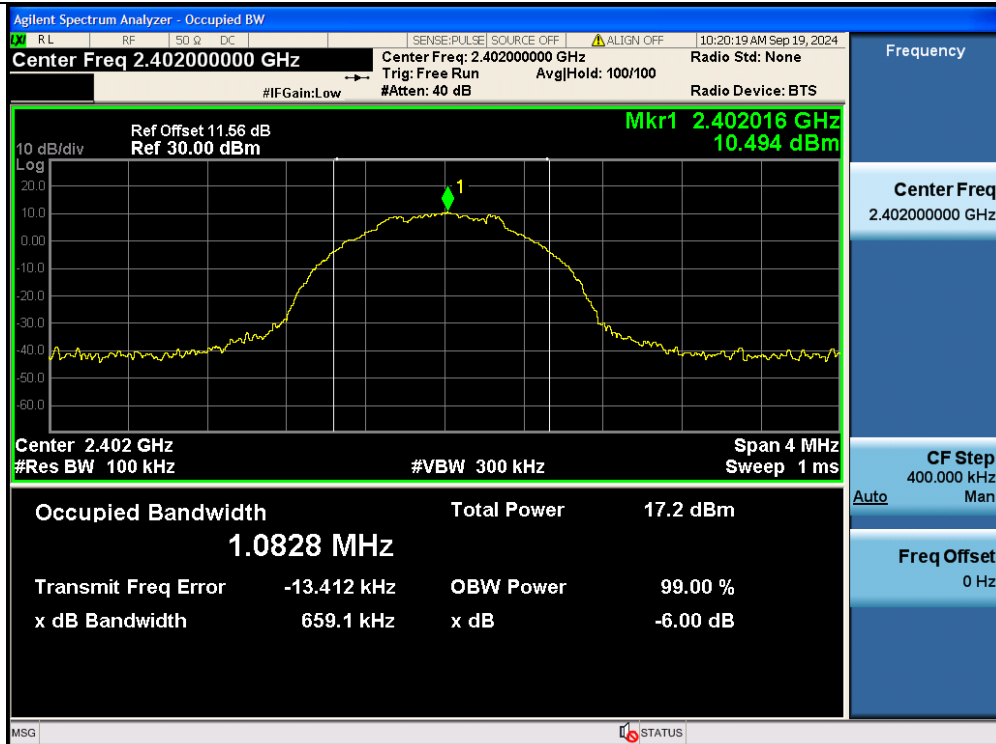
BLE_2M-Ant1-2440-PASS



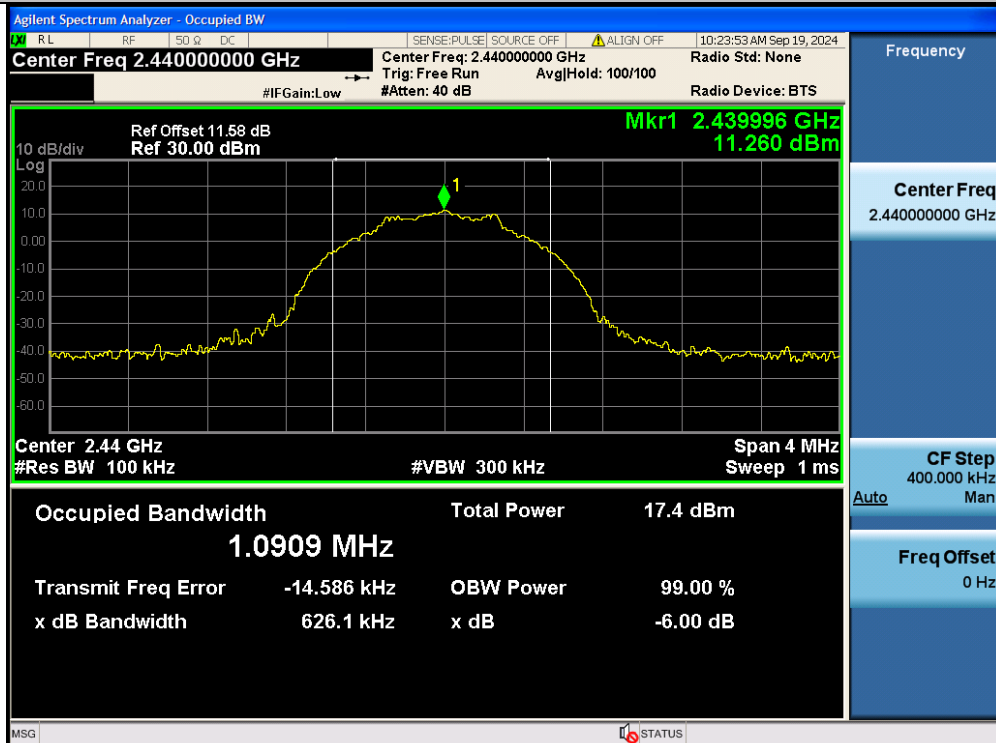
BLE_2M-Ant1-2480-PASS

Appendix A.2: Test Results of 6dB Bandwidth

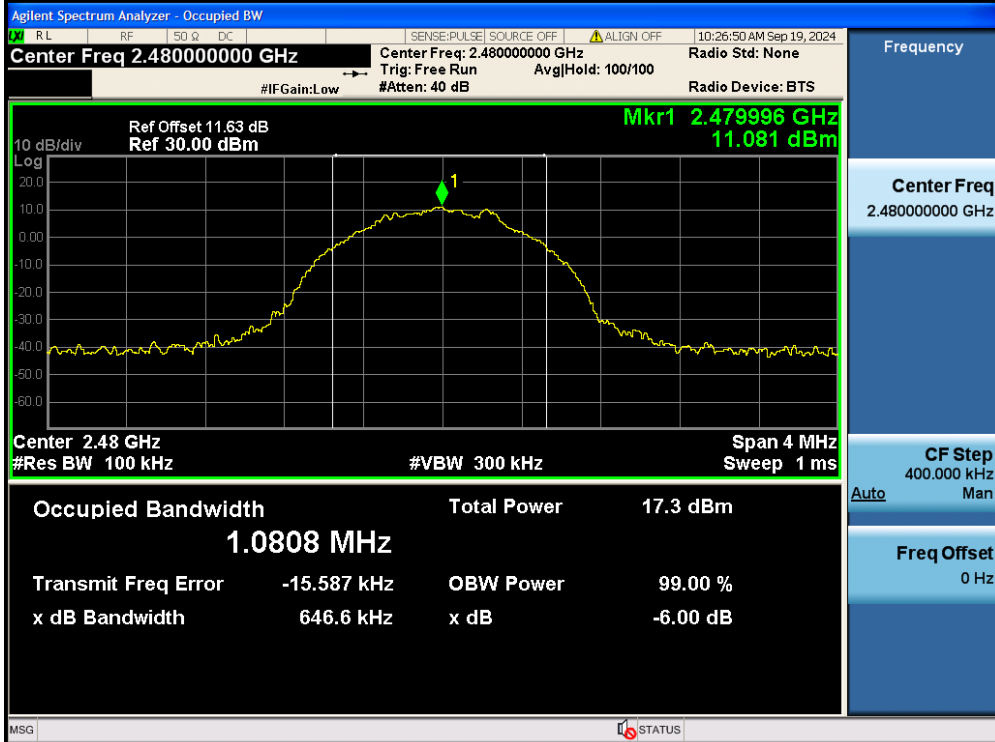
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.6591	0.5	PASS
BLE_1M	Ant1	2440	0.6261	0.5	PASS
BLE_1M	Ant1	2480	0.6466	0.5	PASS
BLE_2M	Ant1	2402	1.119	0.5	PASS
BLE_2M	Ant1	2440	1.111	0.5	PASS
BLE_2M	Ant1	2480	1.099	0.5	PASS



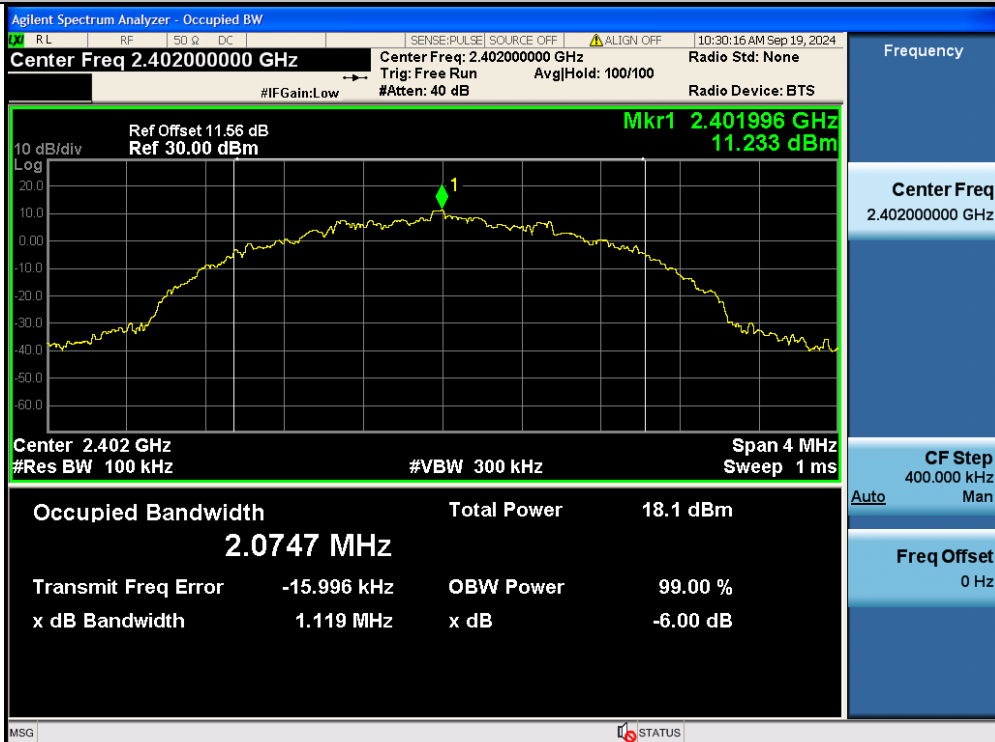
BLE_1M-Ant1-2402-PASS



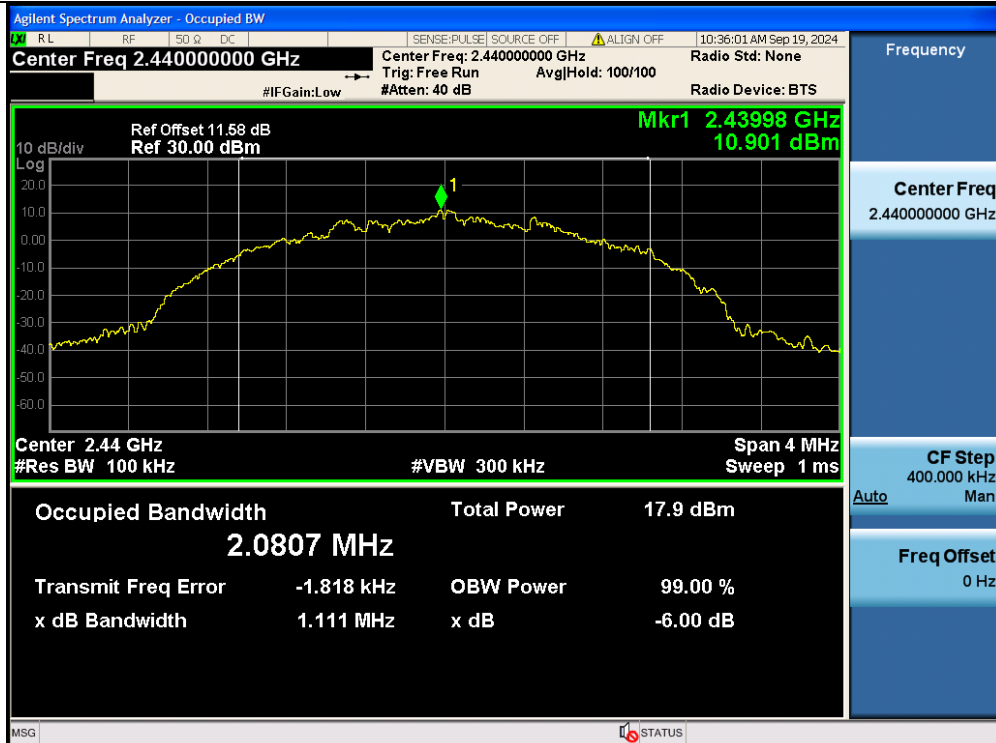
BLE_1M-Ant1-2440-PASS



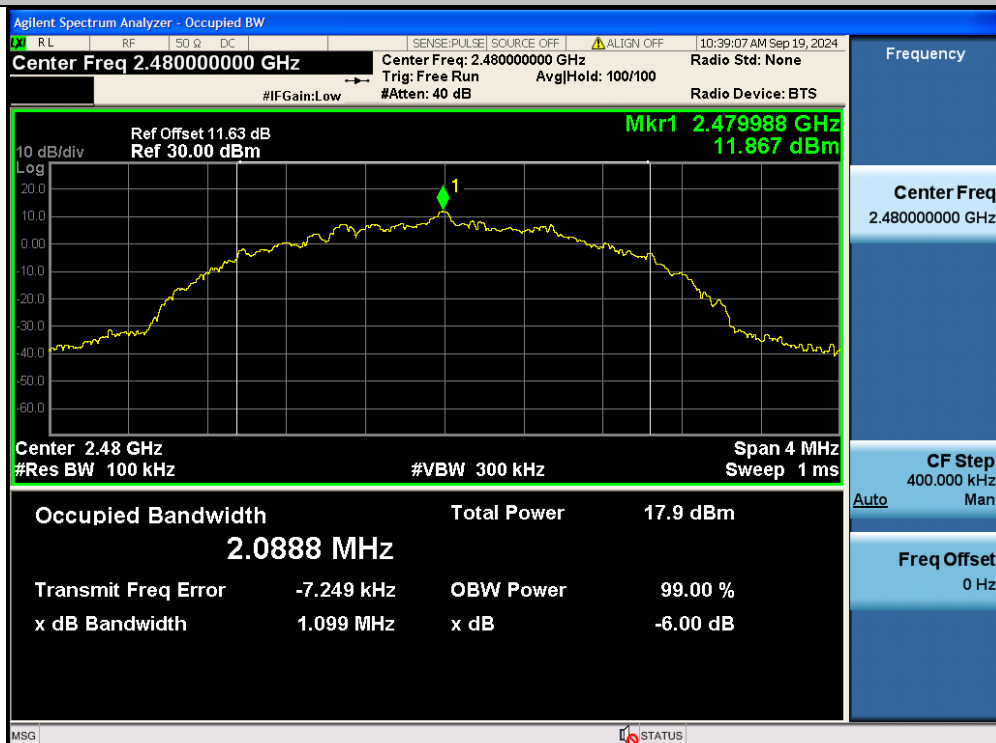
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



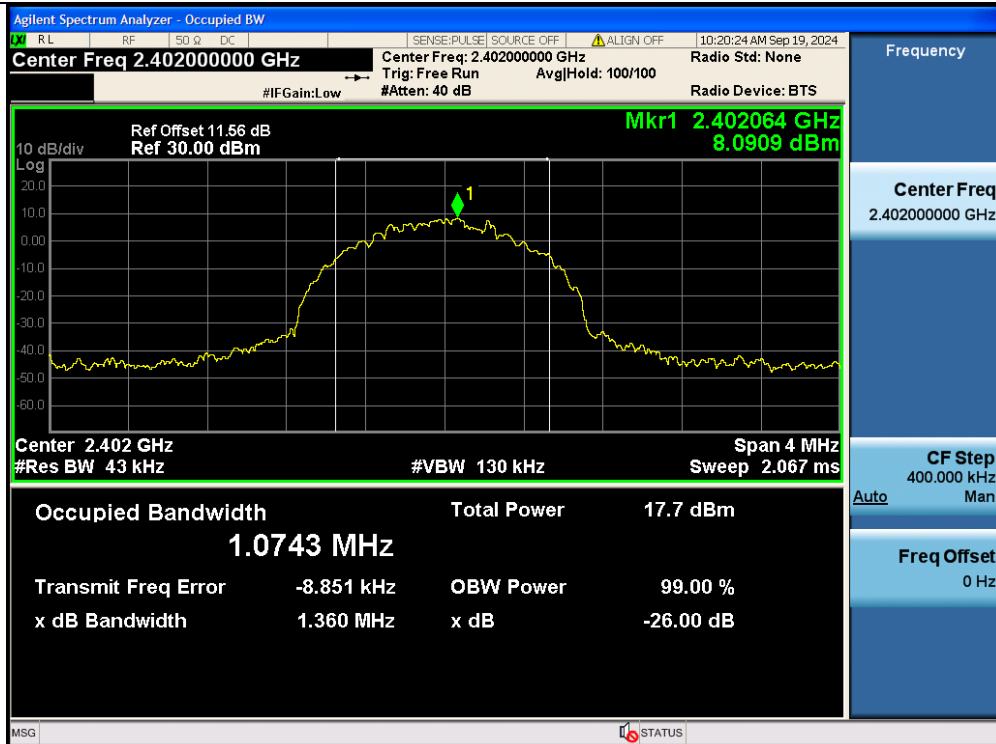
BLE_2M-Ant1-2440-PASS



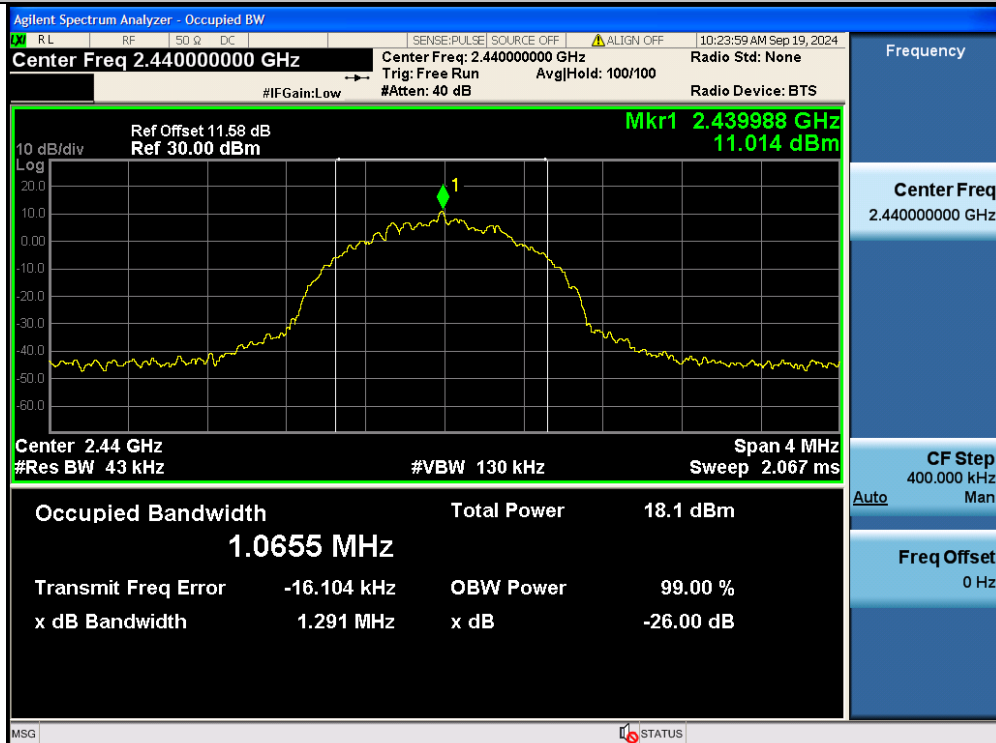
BLE_2M-Ant1-2480-PASS

Appendix A.3: Test Results of 99% Bandwidth

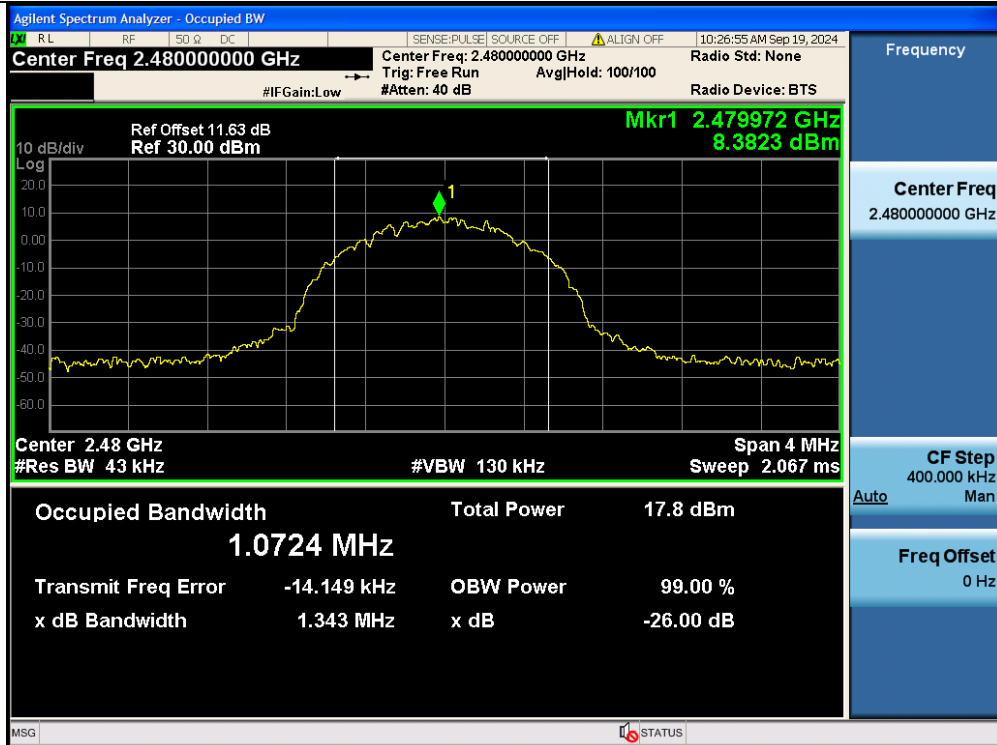
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0743	2401.4540	2402.5283	Within assigned band 2400- 2483.5MHz	PASS
BLE_1M	Ant1	2440	1.0655	2439.4512	2440.5167		PASS
BLE_1M	Ant1	2480	1.0724	2479.4497	2480.5221		PASS
BLE_2M	Ant1	2402	2.1006	2400.9498	2403.0504		PASS
BLE_2M	Ant1	2440	2.1122	2438.9418	2441.0540		PASS
BLE_2M	Ant1	2480	2.0946	2478.9544	2481.0490		PASS



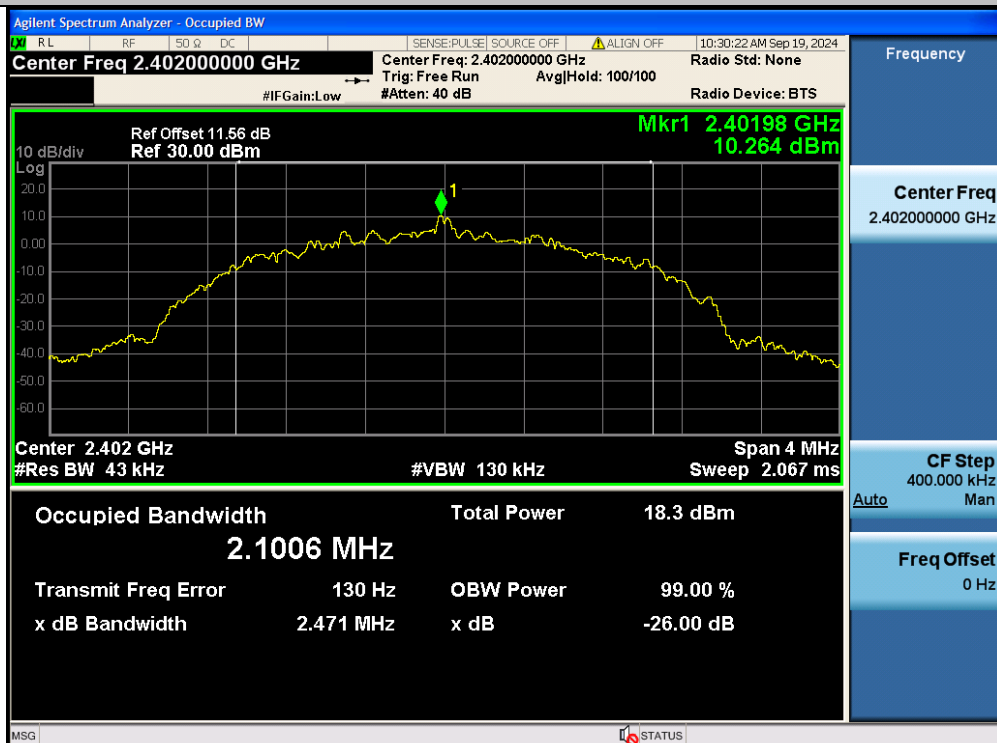
BLE_1M-Ant1-2402



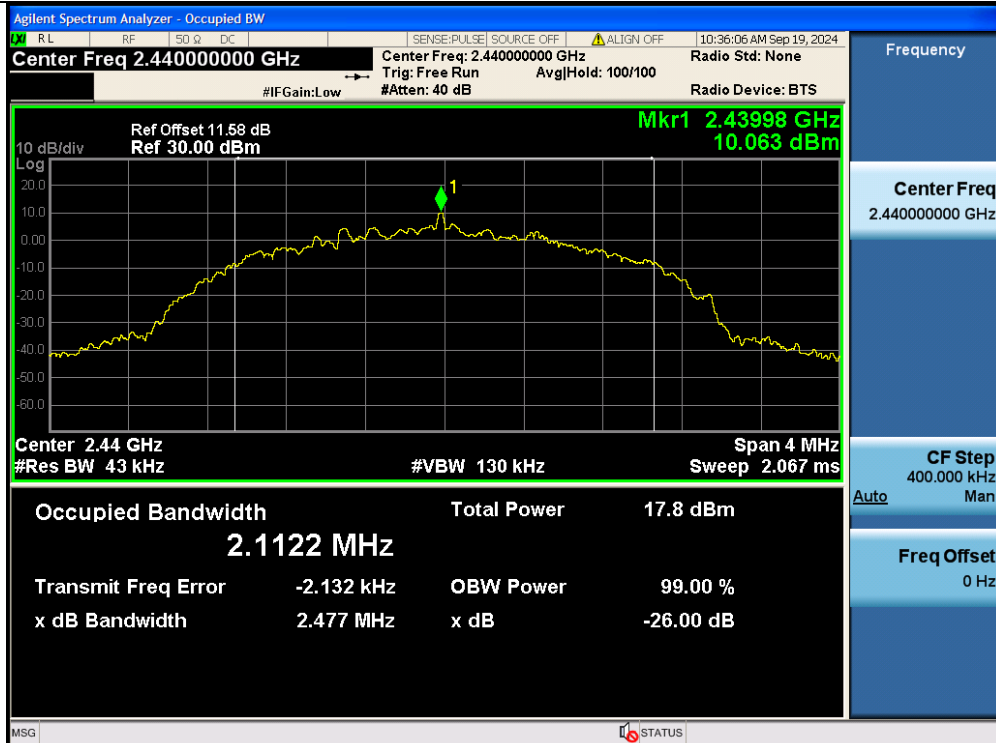
BLE_1M-Ant1-2440



BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



BLE_2M-Ant1-2440

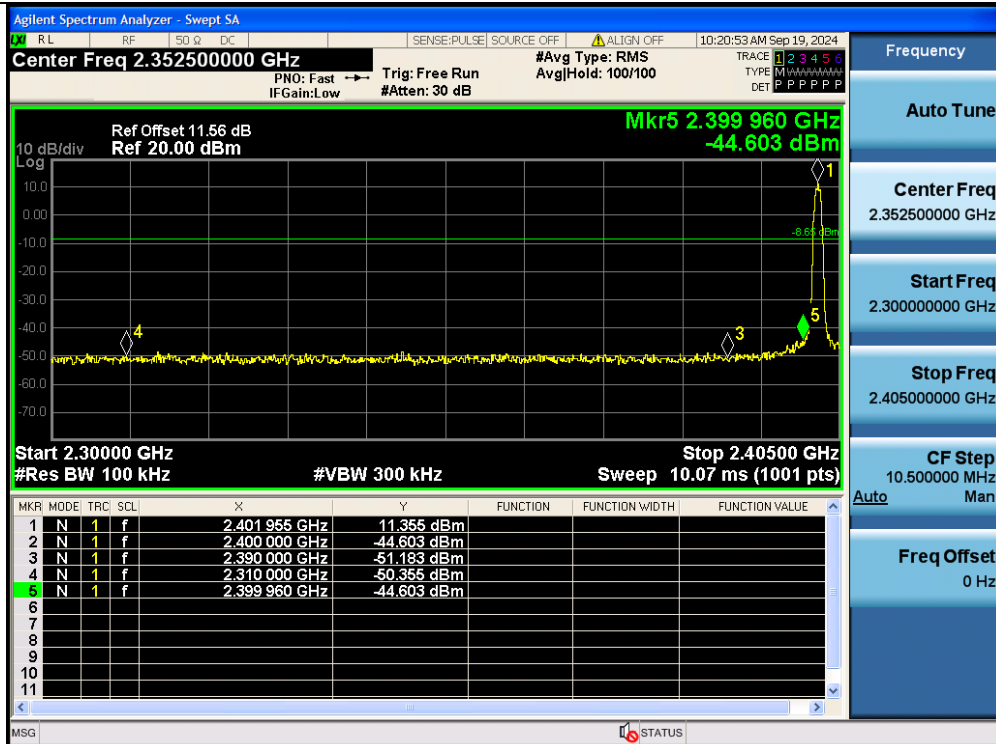


BLE_2M-Ant1-2480

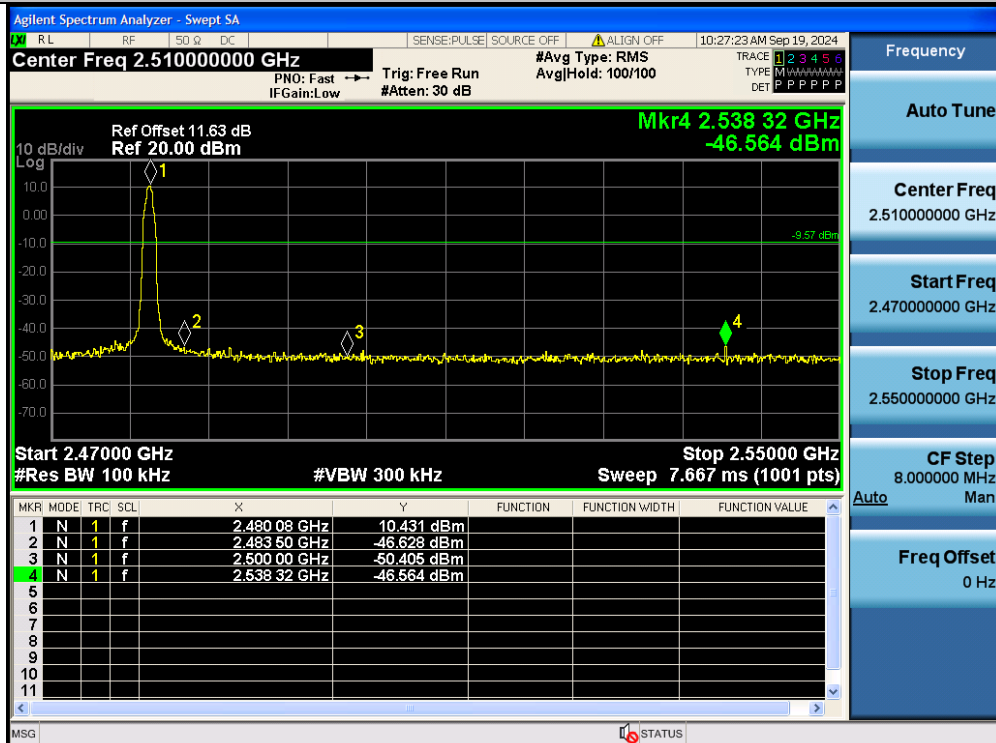
Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

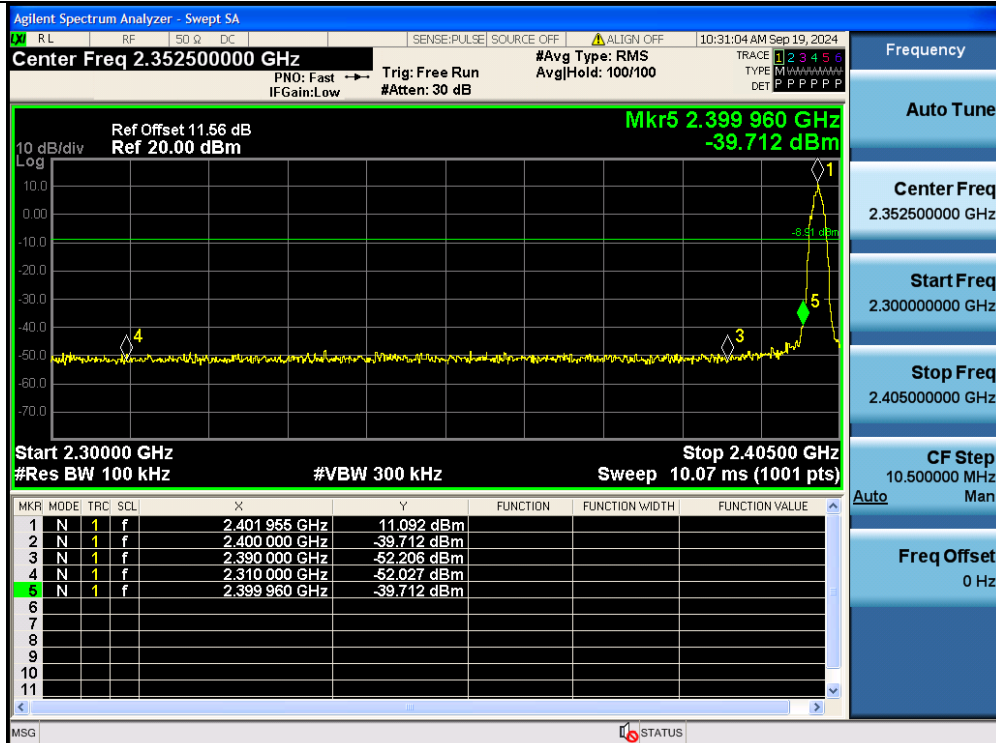
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	11.36	-44.6	≤-8.65	PASS
BLE_1M	Ant1	High	2480	10.43	-46.56	≤-9.57	PASS
BLE_2M	Ant1	Low	2402	11.09	-39.71	≤-8.91	PASS
BLE_2M	Ant1	High	2480	11.69	-45.34	≤-8.31	PASS



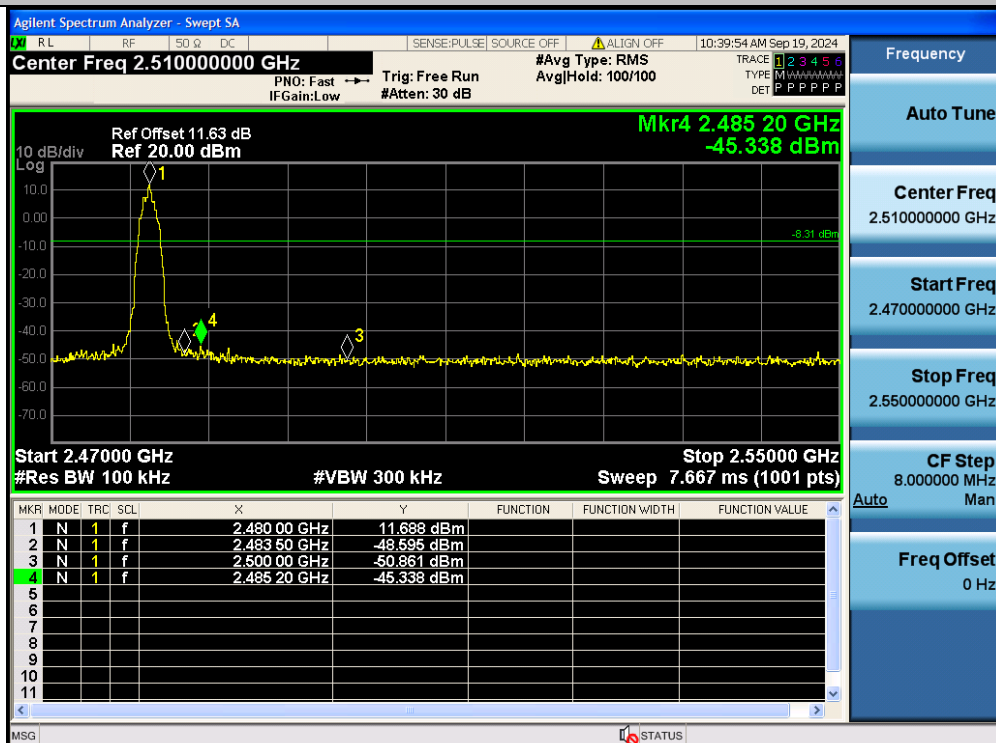
BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



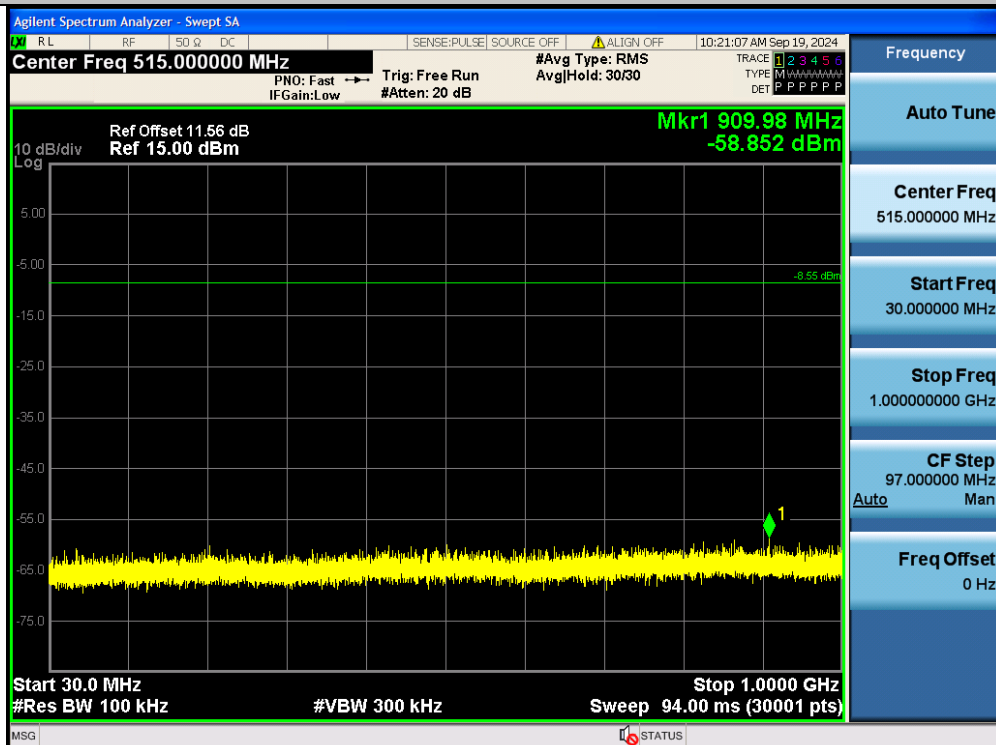
BLE_2M-Ant1-2480-PASS

Conducted Spurious Emission

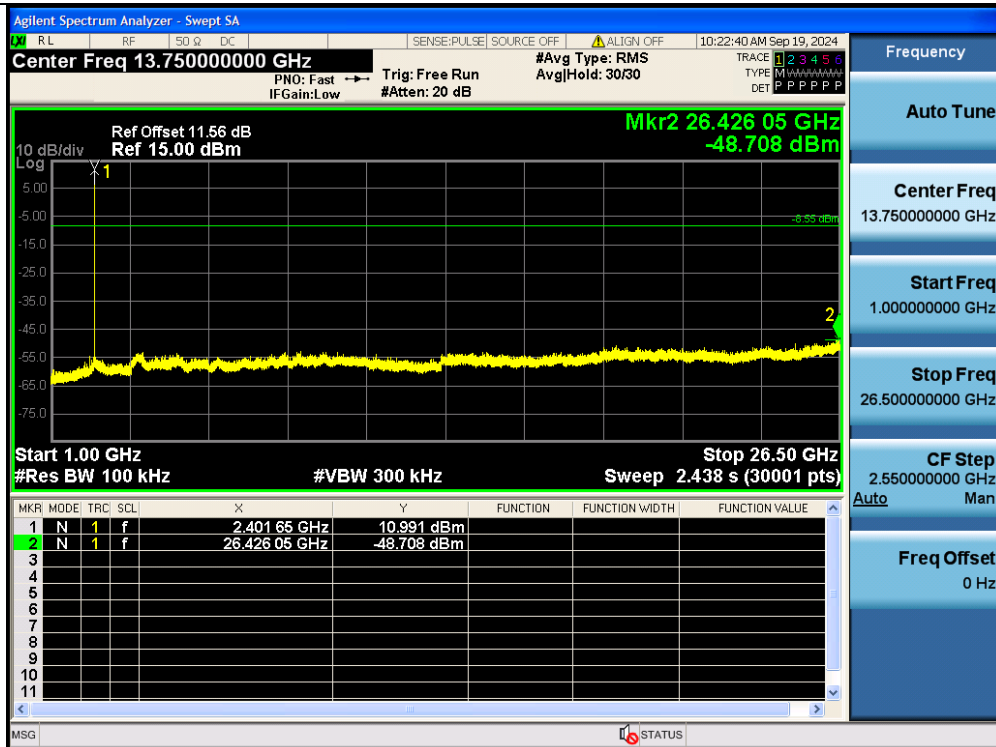
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	11.45	11.45	---	PASS
BLE_1M	Ant1	2402	30~1000	11.45	-58.85	≤-8.55	PASS
BLE_1M	Ant1	2402	1000~26500	11.45	-48.71	≤-8.55	PASS
BLE_1M	Ant1	2440	0~Reference	11.51	11.51	---	PASS
BLE_1M	Ant1	2440	30~1000	11.51	-58.88	≤-8.49	PASS
BLE_1M	Ant1	2440	1000~26500	11.51	-48.72	≤-8.49	PASS
BLE_1M	Ant1	2480	0~Reference	10.24	10.24	---	PASS
BLE_1M	Ant1	2480	30~1000	10.24	-58.92	≤-9.76	PASS
BLE_1M	Ant1	2480	1000~26500	10.24	-48.87	≤-9.76	PASS
BLE_2M	Ant1	2402	0~Reference	8.87	8.87	---	PASS
BLE_2M	Ant1	2402	30~1000	8.87	-58.52	≤-11.13	PASS
BLE_2M	Ant1	2402	1000~26500	8.87	-47.77	≤-11.13	PASS
BLE_2M	Ant1	2440	0~Reference	11.99	11.99	---	PASS
BLE_2M	Ant1	2440	30~1000	11.99	-59.12	≤-8.01	PASS
BLE_2M	Ant1	2440	1000~26500	11.99	-49.1	≤-8.01	PASS
BLE_2M	Ant1	2480	0~Reference	11.40	11.40	---	PASS
BLE_2M	Ant1	2480	30~1000	11.40	-59.03	≤-8.6	PASS
BLE_2M	Ant1	2480	1000~26500	11.40	-48.2	≤-8.6	PASS



BLE_1M-Ant1-2402-0~Reference-PASS



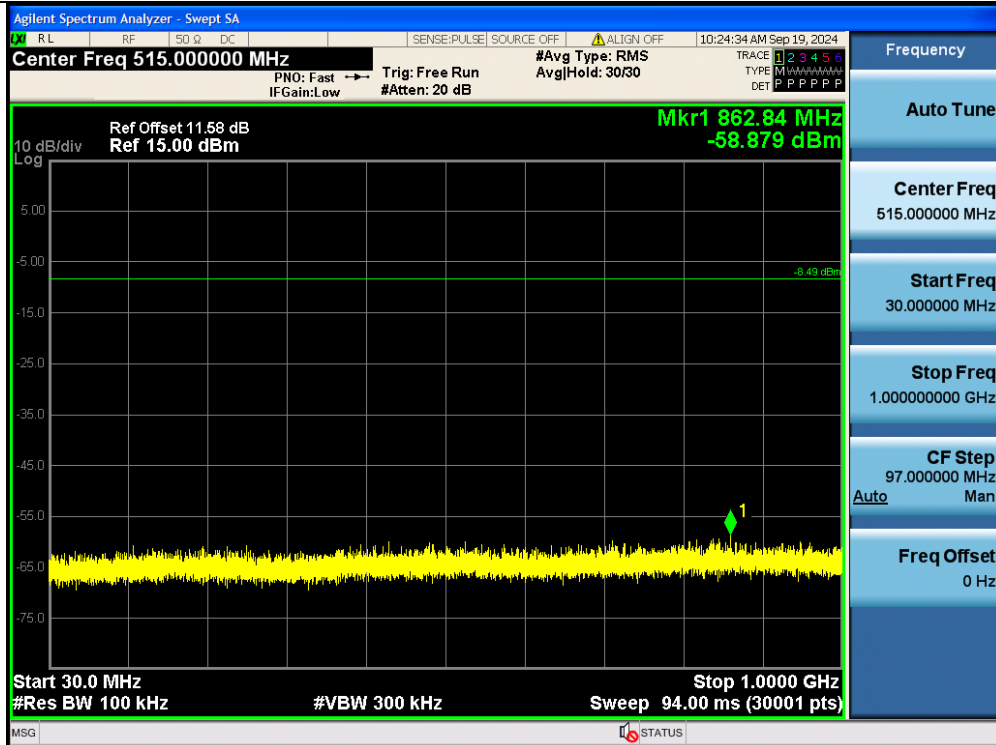
BLE_1M-Ant1-2402-30~1000-PASS



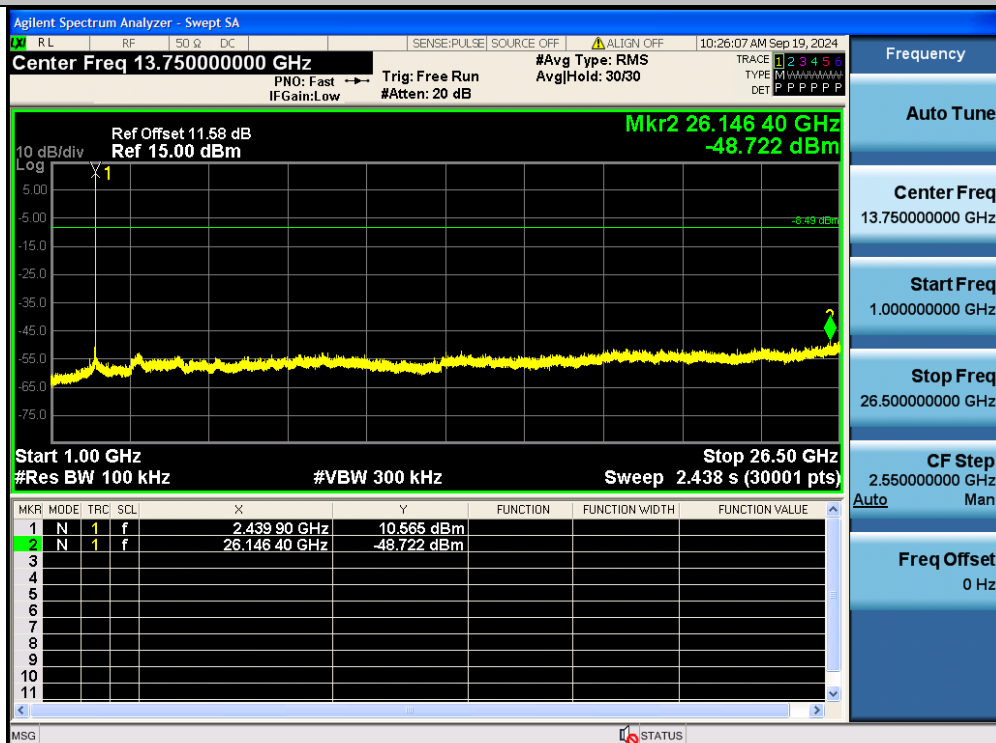
BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS



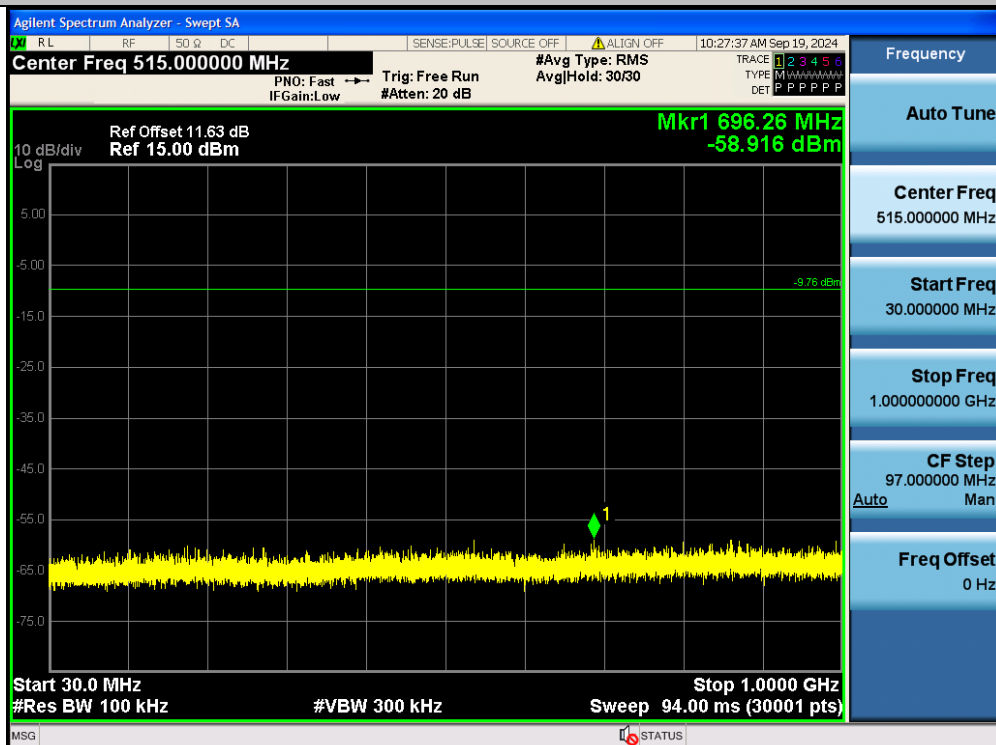
BLE_1M-Ant1-2440-30~1000-PASS



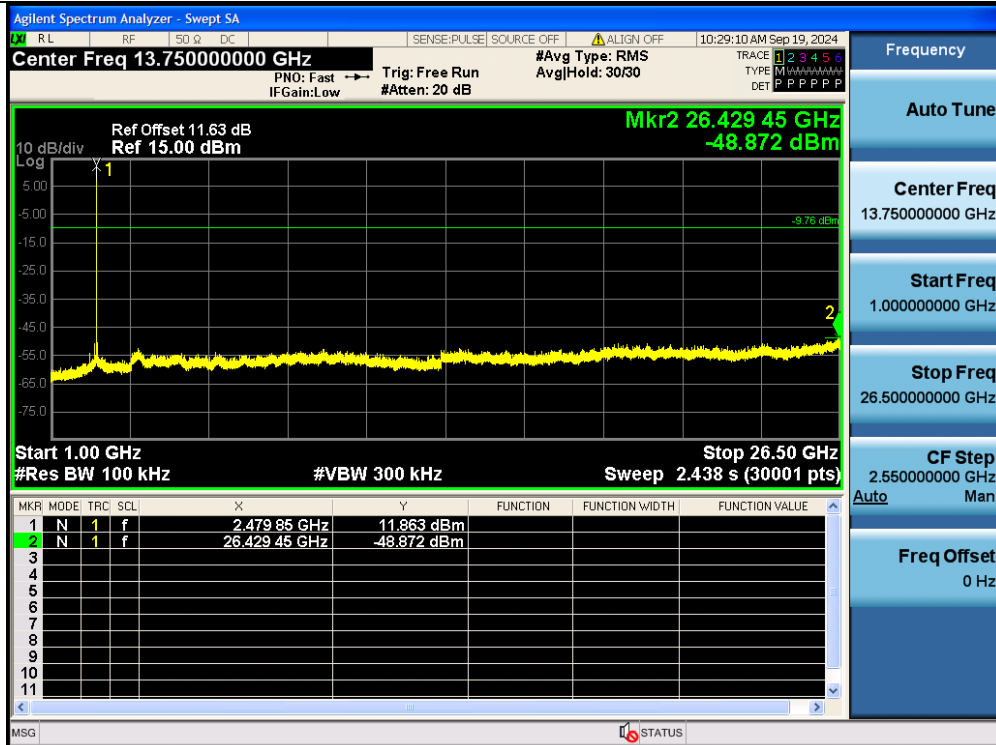
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



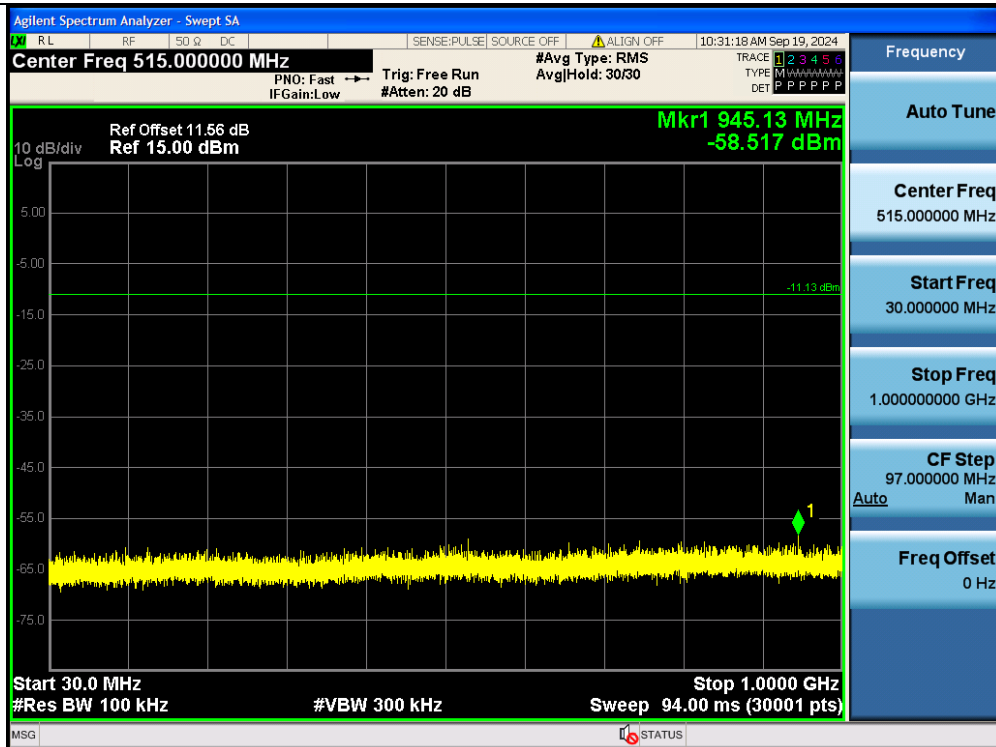
BLE_1M-Ant1-2480-30~1000-PASS



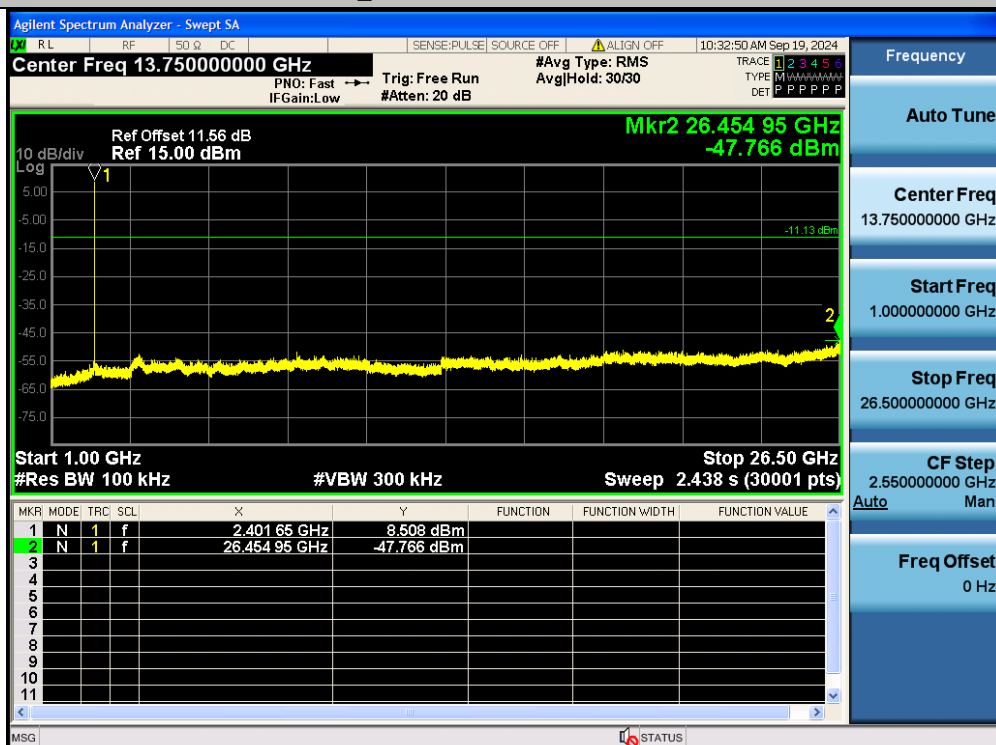
BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS



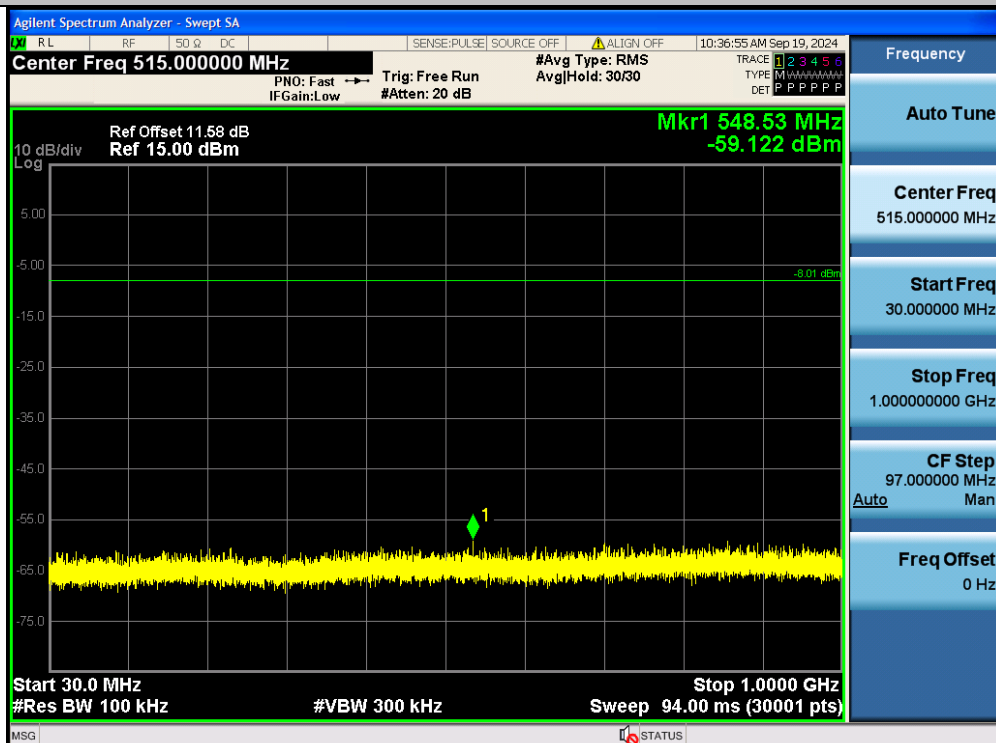
BLE_2M-Ant1-2402-30~1000-PASS



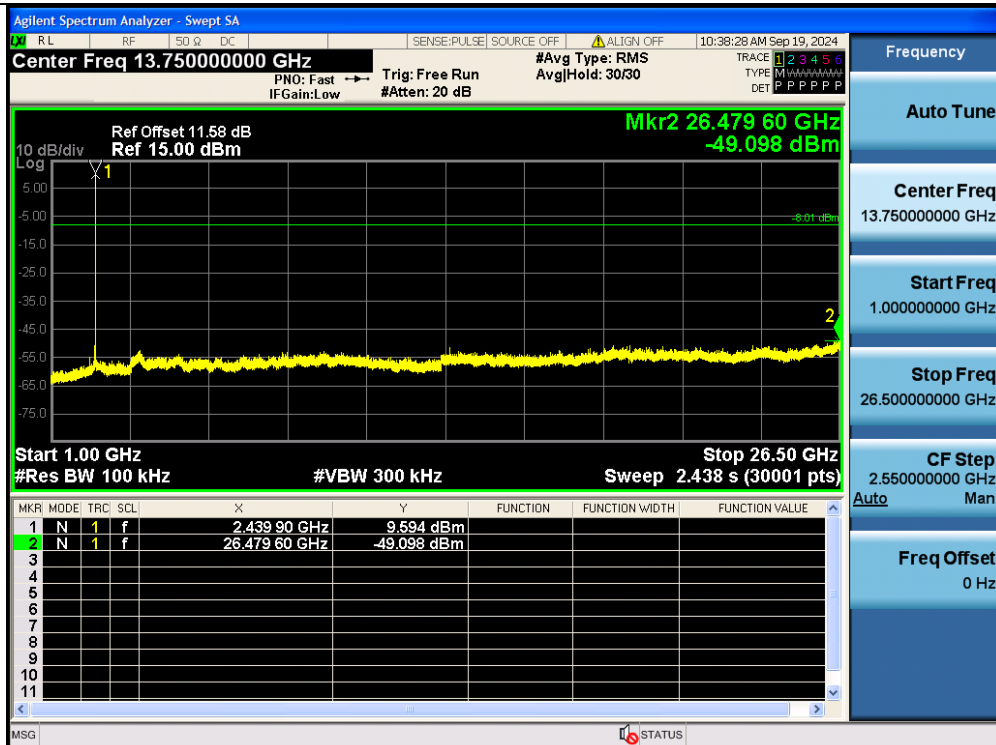
BLE_2M-Ant1-2402-1000~26500-PASS



BLE_2M-Ant1-2440-0~Reference-PASS



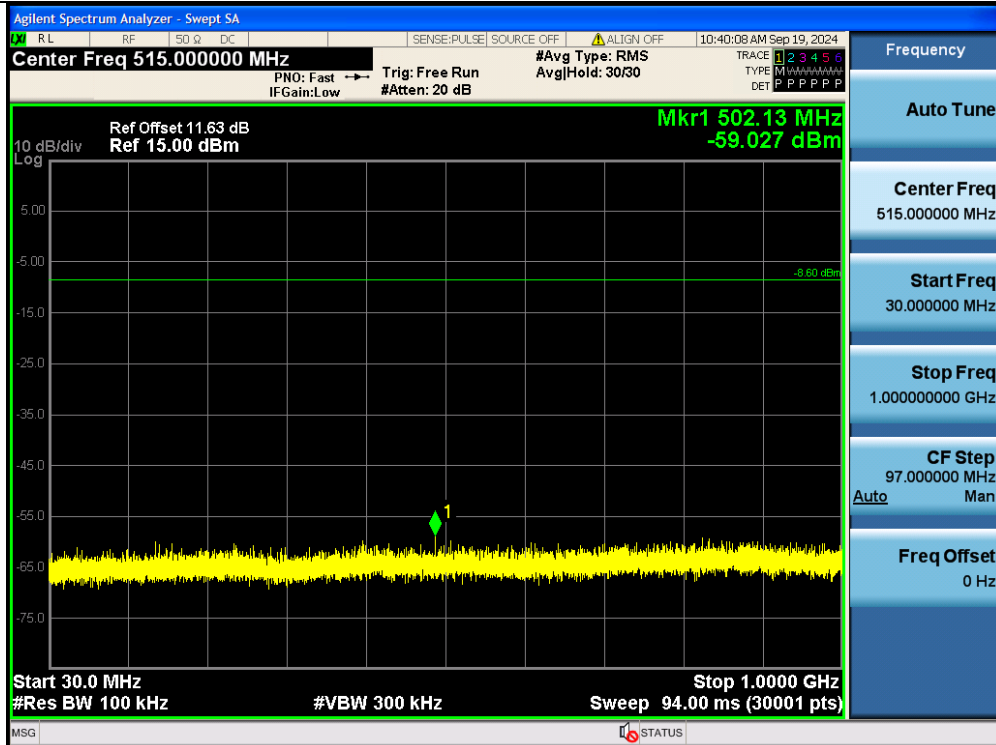
BLE_2M-Ant1-2440-30~1000-PASS



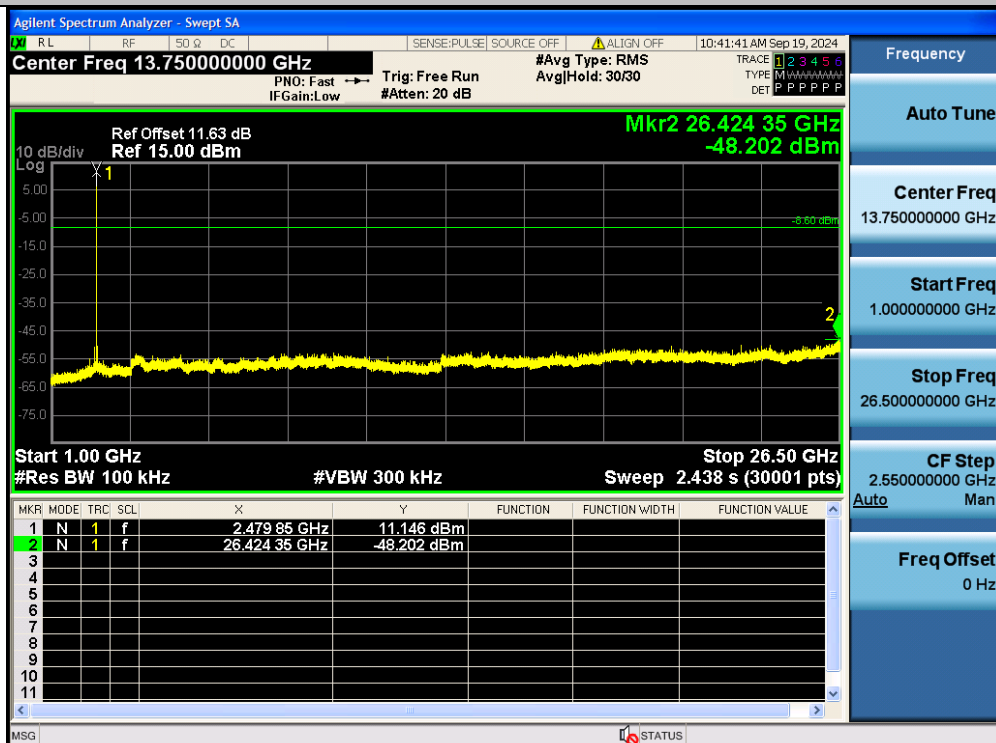
BLE_2M-Ant1-2440-1000~26500-PASS



BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



BLE_2M-Ant1-2480-1000~26500-PASS

Appendix A.5: Test Results of Radiated Spurious Emissions

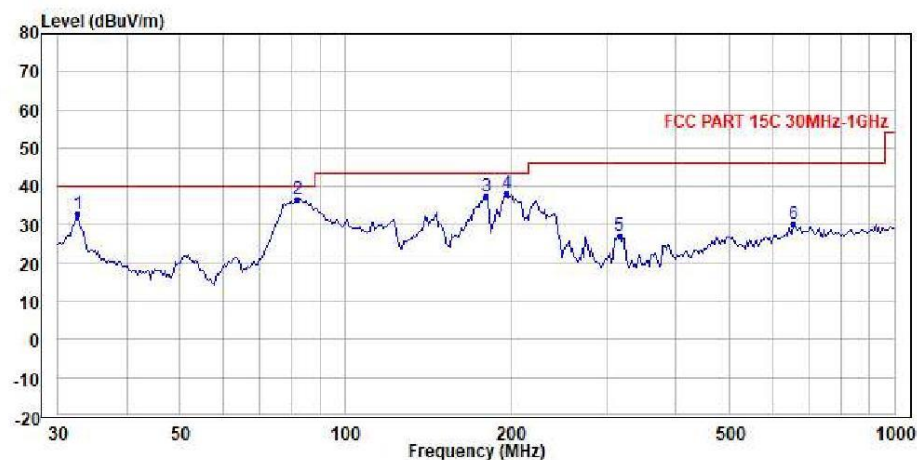
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz



Shenzhen UnionTrust Quality and Technology Co., Ltd.

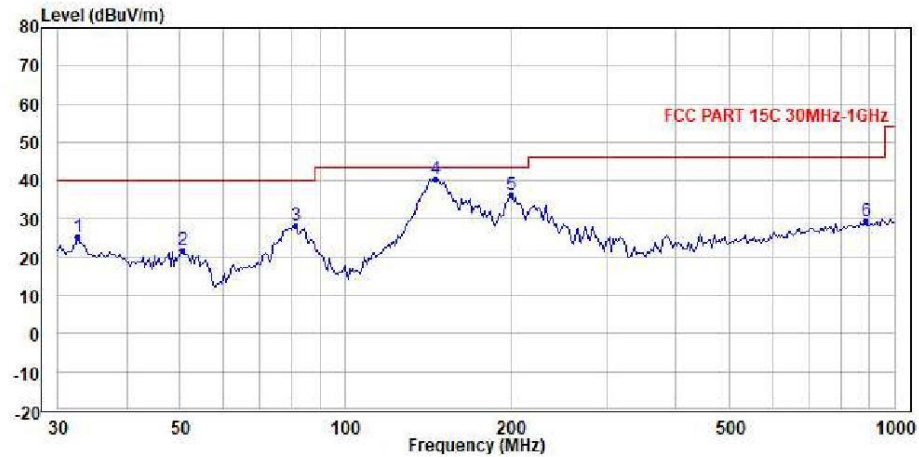


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LINK
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	32.640	32.94	39.24	21.91	0.00	0.69	28.90	40.00	-7.06	Peak
2 PP	81.948	36.67	54.42	10.19	0.00	0.96	28.90	40.00	-3.33	Peak
3	181.300	37.60	49.42	15.80	0.00	1.36	28.98	43.50	-5.90	Peak
4	197.251	38.32	49.53	16.37	0.00	1.42	29.00	43.50	-5.18	Peak
5	315.860	27.31	35.72	19.02	0.00	1.69	29.12	46.00	-18.69	Peak
6	655.977	30.29	29.88	27.50	0.00	2.33	29.42	46.00	-15.71	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.



Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LINK
Remark :

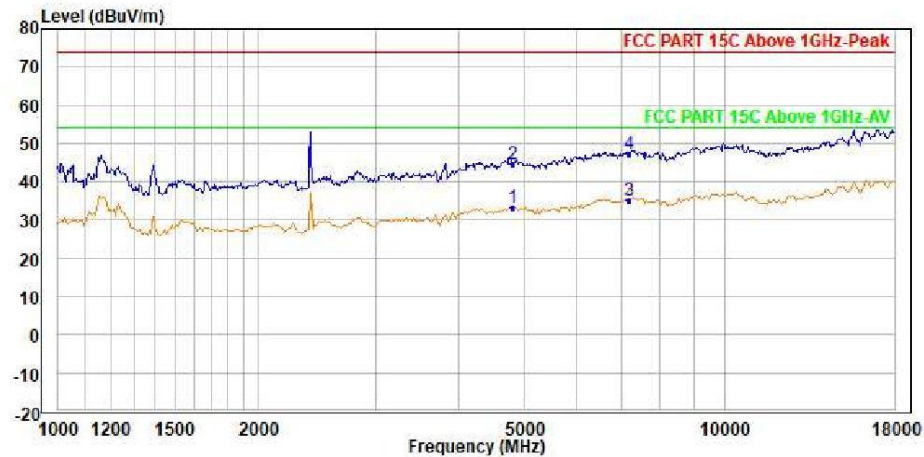
	Freq	Level	Read	Ant	Aux	Cable	Preamp	Limit	Over	
	MHz	dBuV/m	Level	Factor	Factor	Loss	Factor	Line	Limit	Remark
			dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	32.640	25.15	31.45	21.91	0.00	0.69	28.90	40.00	-14.85	Peak
2	50.461	21.95	35.70	14.36	0.00	0.79	28.90	40.00	-18.05	Peak
3	81.374	28.24	46.05	10.14	0.00	0.95	28.90	40.00	-11.76	Peak
4 PP	145.811	40.47	55.32	12.88	0.00	1.22	28.95	43.50	-3.03	Peak
5	200.043	36.30	47.27	16.60	0.00	1.43	29.00	43.50	-7.20	Peak
6	887.398	29.28	24.70	30.90	0.00	2.75	29.07	46.00	-16.72	Peak

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.



Shenzhen UnionTrust Quality and Technology Co., Ltd.

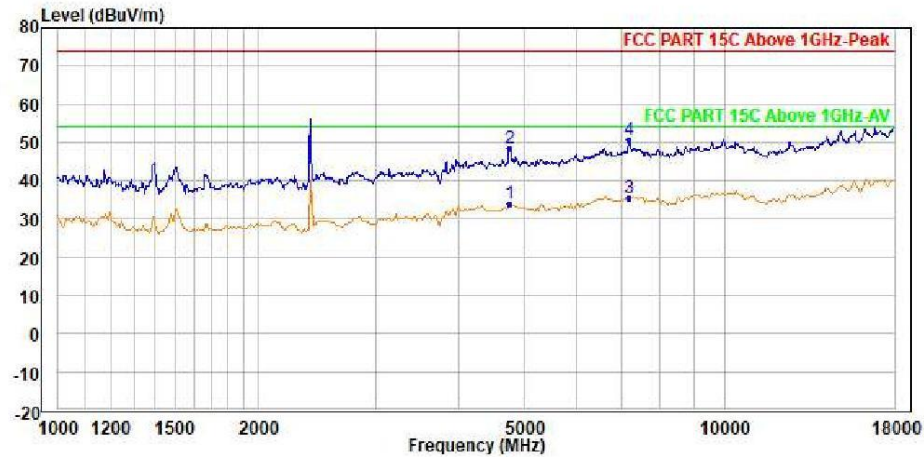


Condition : 3m Horizontal
Temp.(C)/Hum.(%) : 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2402
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	33.22	35.30	34.46	0.00	9.32	45.86	54.00	-20.78	Average
2	4804.000	44.66	46.74	34.46	0.00	9.32	45.86	74.00	-29.34	Peak
3 PP	7206.000	35.16	33.86	36.50	0.00	10.34	45.54	54.00	-18.64	Average
4 PK	7206.000	47.36	46.06	36.50	0.00	10.34	45.54	74.00	-26.64	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

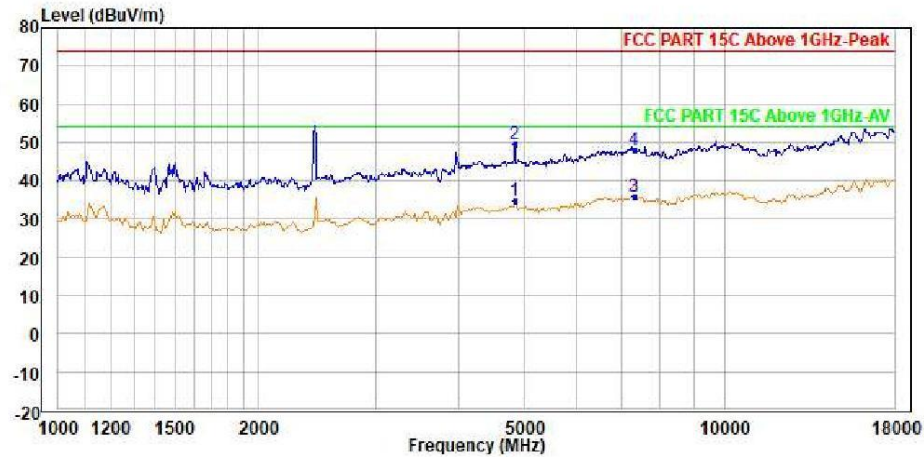


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2402
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4763.737	33.99	36.08	34.45	0.00	9.31	45.85	54.00	-20.01	Average
2	4763.737	48.51	50.60	34.45	0.00	9.31	45.85	74.00	-25.49	Peak
3	PP 7206.000	35.53	34.23	36.50	0.00	10.34	45.54	54.00	-18.47	Average
4	PK 7206.000	50.58	49.28	36.50	0.00	10.34	45.54	74.00	-23.42	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

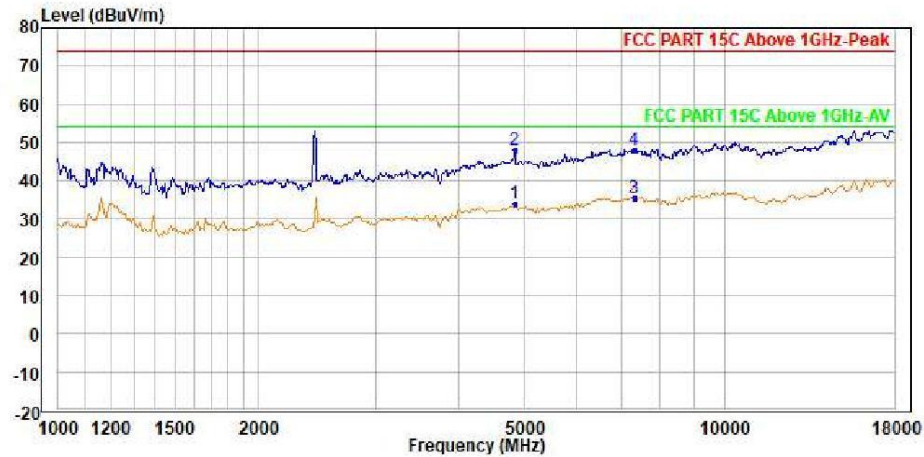


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2440
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4847.240	34.59	36.65	34.47	0.00	9.34	45.87	54.00	-19.41	Average
2	PK 4847.240	49.71	51.77	34.47	0.00	9.34	45.87	74.00	-24.29	Peak
3	PP 7320.000	35.74	34.43	36.50	0.00	10.37	45.56	54.00	-18.26	Average
4	7320.000	48.14	46.83	36.50	0.00	10.37	45.56	74.00	-25.86	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

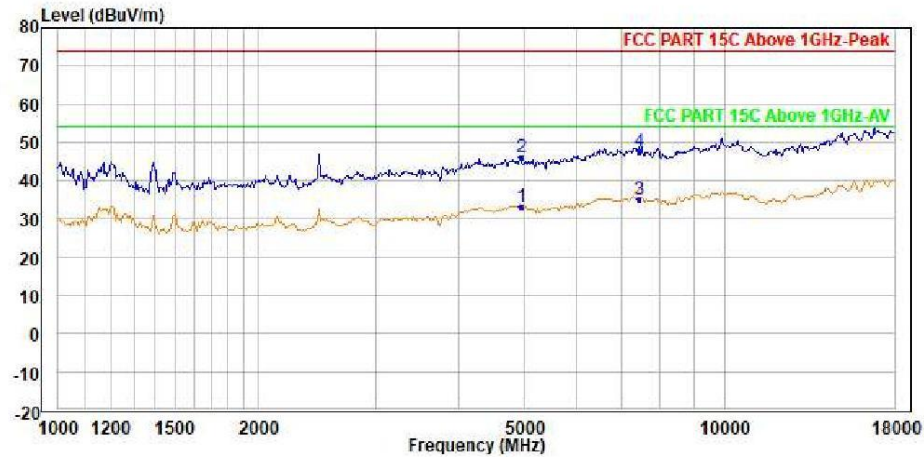


Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2440
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4847.240	33.98	36.04	34.47	0.00	9.34	45.87	54.00	-20.02	Average
2 PK	4847.240	48.17	50.23	34.47	0.00	9.34	45.87	74.00	-25.83	Peak
3 PP	7320.000	35.60	34.29	36.50	0.00	10.37	45.56	54.00	-18.40	Average
4	7320.000	47.89	46.58	36.50	0.00	10.37	45.56	74.00	-26.11	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

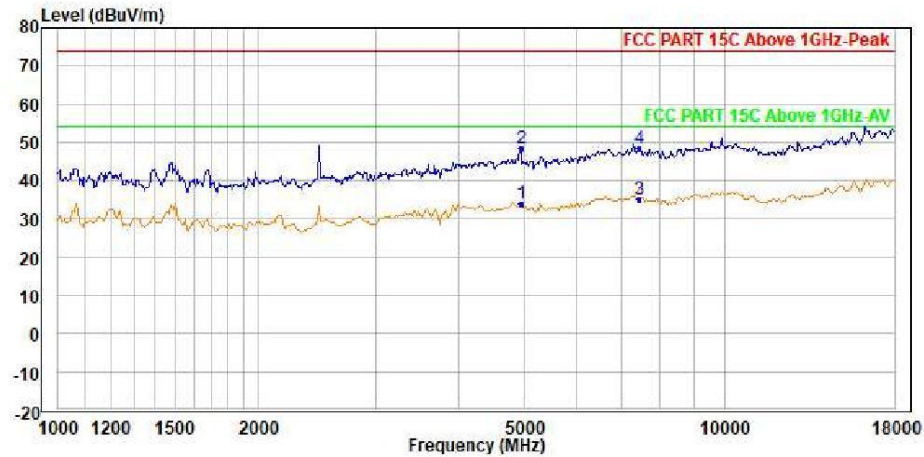


Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	33.27	35.29	34.49	0.00	9.38	45.89	54.00	-20.73	Average
2	4960.000	46.29	48.31	34.49	0.00	9.38	45.89	74.00	-27.71	Peak
3 PP	7440.000	35.15	33.83	36.50	0.00	10.41	45.59	54.00	-18.85	Average
4 PK	7440.000	47.52	46.20	36.50	0.00	10.41	45.59	74.00	-26.48	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

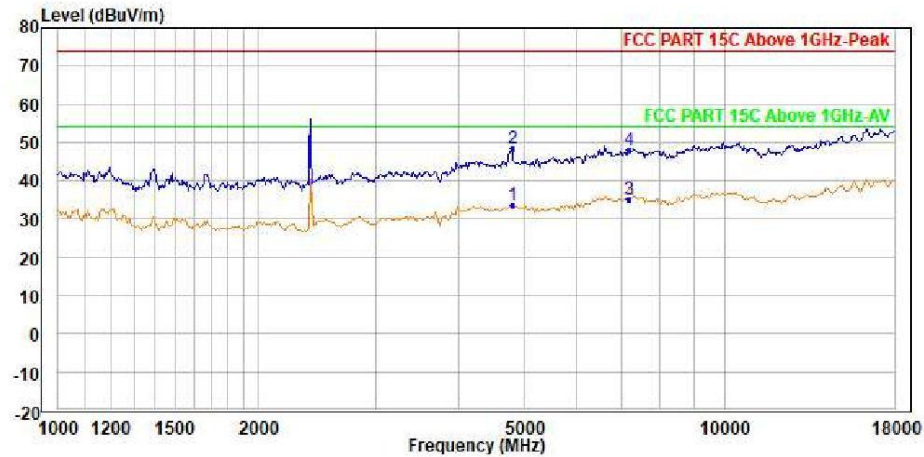


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	33.92	35.94	34.49	0.00	9.38	45.89	54.00	-20.08	Average
2	PK 4960.000	48.35	50.37	34.49	0.00	9.38	45.89	74.00	-25.65	Peak
3	PP 7440.000	35.18	33.86	36.50	0.00	10.41	45.59	54.00	-18.82	Average
4	7440.000	48.28	46.96	36.50	0.00	10.41	45.59	74.00	-25.72	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

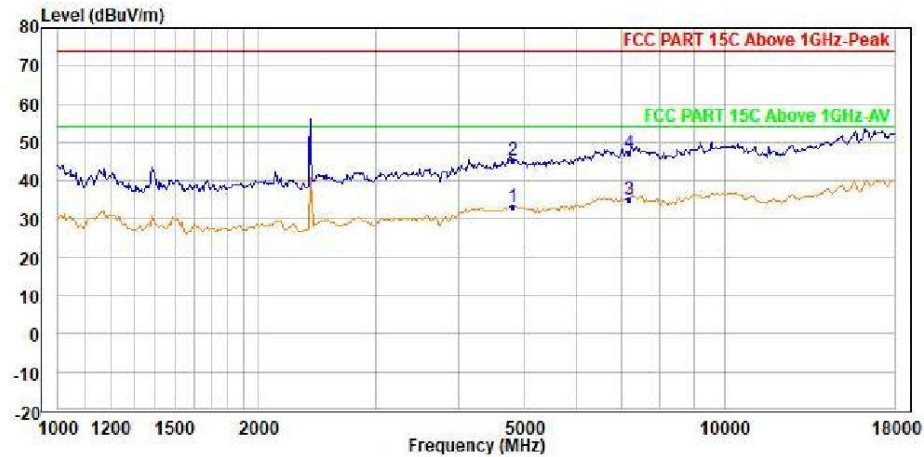


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2402
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	33.53	35.61	34.46	0.00	9.32	45.86	54.00	-20.47	Average
2 PK	4804.000	48.31	50.39	34.46	0.00	9.32	45.86	74.00	-25.69	Peak
3 PP	7206.000	35.16	33.86	36.50	0.00	10.34	45.54	54.00	-18.84	Average
4	7206.000	48.11	46.81	36.50	0.00	10.34	45.54	74.00	-25.89	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

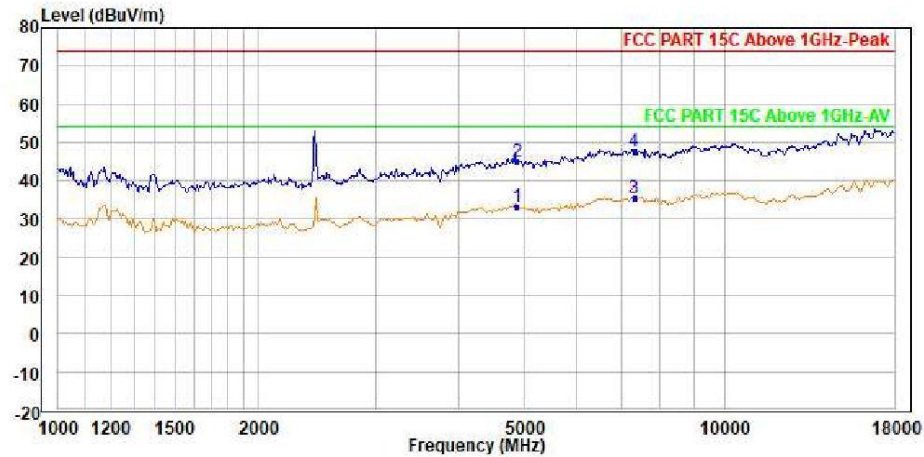


Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2402
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4804.000	33.22	35.30	34.46	0.00	9.32	45.86	54.00	-20.78	Average
2	4804.000	45.47	47.55	34.46	0.00	9.32	45.86	74.00	-28.53	Peak
3	PP 7206.000	35.01	33.71	36.50	0.00	10.34	45.54	54.00	-18.99	Average
4	PK 7206.000	47.24	45.94	36.50	0.00	10.34	45.54	74.00	-26.76	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

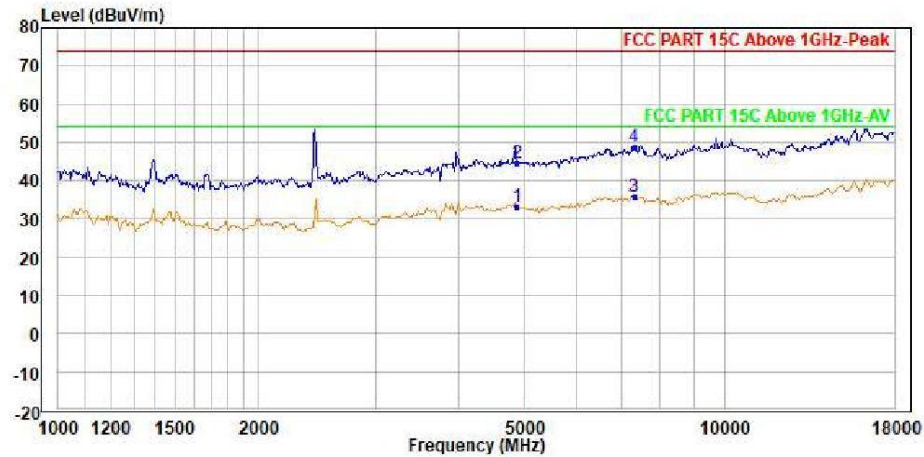


Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2440
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	33.07	35.12	34.48	0.00	9.35	45.88	54.00	-20.93	Average
2	4880.000	44.91	46.96	34.48	0.00	9.35	45.88	74.00	-29.09	Peak
3 PP	7320.000	35.57	34.26	36.50	0.00	10.37	45.56	54.00	-18.43	Average
4 PK	7320.000	47.51	46.20	36.50	0.00	10.37	45.56	74.00	-26.49	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

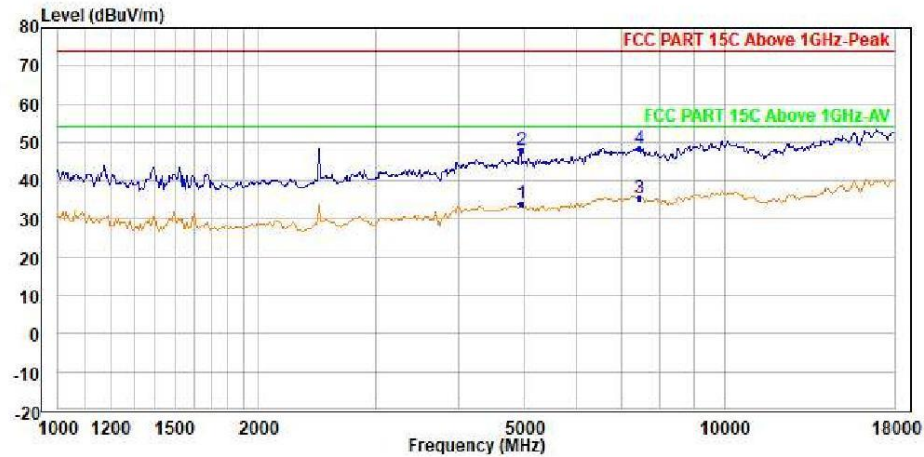


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2440
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4880.000	33.25	35.30	34.48	0.00	9.35	45.88	54.00	-20.75	Average
2	4880.000	44.77	46.82	34.48	0.00	9.35	45.88	74.00	-29.23	Peak
3 PP	7320.000	35.74	34.43	36.50	0.00	10.37	45.56	54.00	-18.26	Average
4 PK	7320.000	48.91	47.60	36.50	0.00	10.37	45.56	74.00	-25.09	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

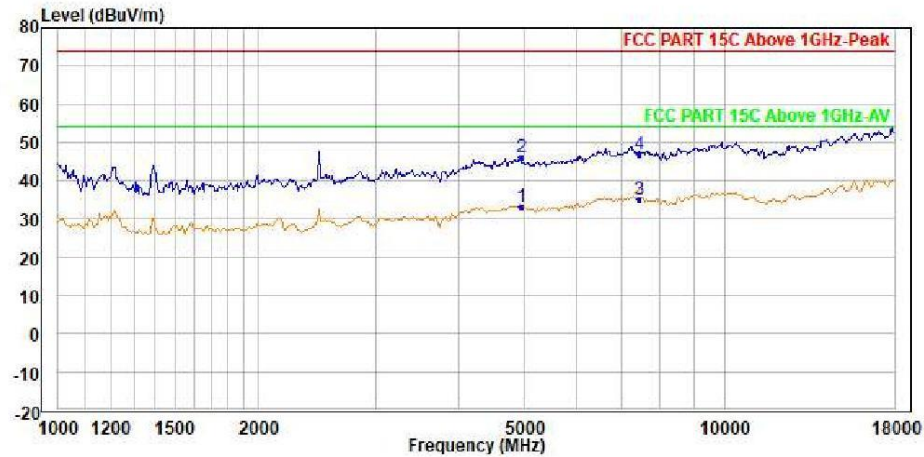


Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	34.15	36.17	34.49	0.00	9.38	45.89	54.00	-19.85	Average
2	4960.000	48.20	50.22	34.49	0.00	9.38	45.89	74.00	-25.80	Peak
3 PP	7440.000	35.33	34.01	36.50	0.00	10.41	45.59	54.00	-18.67	Average
4 PK	7440.000	48.34	47.02	36.50	0.00	10.41	45.59	74.00	-25.66	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.



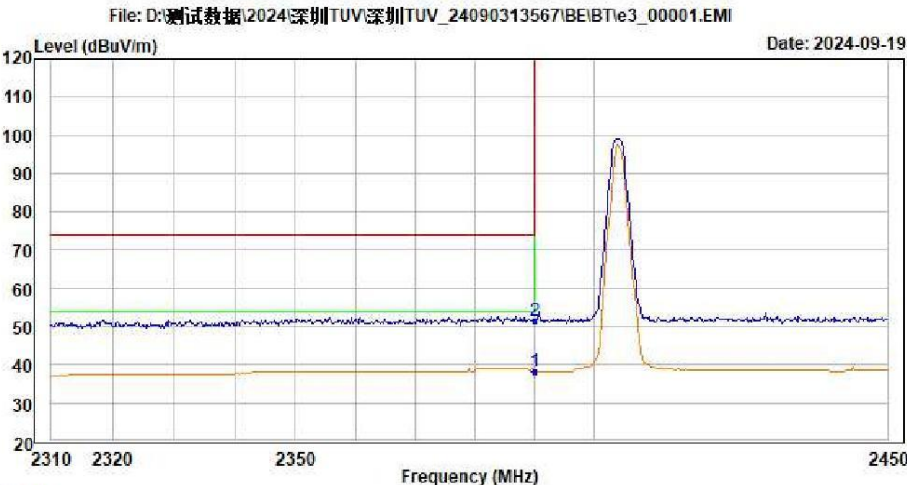
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Aux Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	4960.000	33.30	35.32	34.49	0.00	9.38	45.89	54.00	-20.70	Average
2	4960.000	46.23	48.25	34.49	0.00	9.38	45.89	74.00	-27.77	Peak
3 PP	7440.000	35.12	33.80	36.50	0.00	10.41	45.59	54.00	-18.88	Average
4 PK	7440.000	47.04	45.72	36.50	0.00	10.41	45.59	74.00	-26.96	Peak

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands



Shenzhen UnionTrust Quality and Technology Co., Ltd.

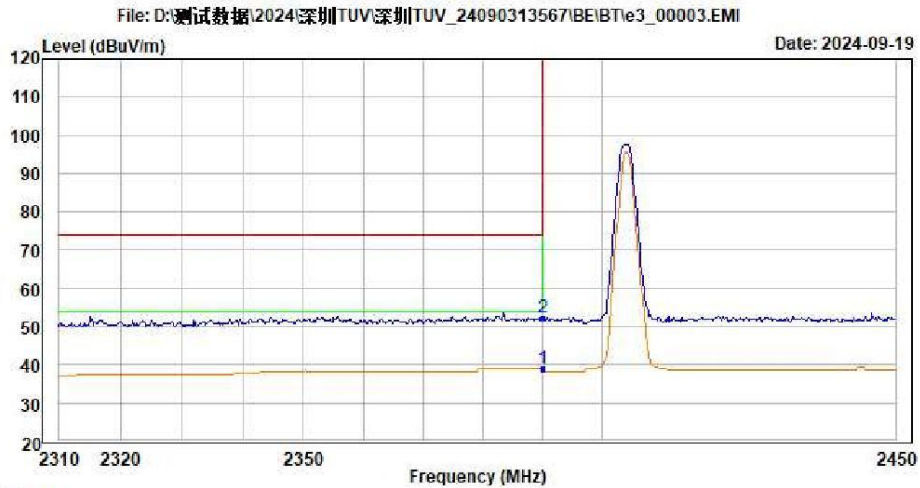


Trace: 1
 Condition : 3m Horizontal
 Temp.(C)/Hum.(%) : 24.8(C)/61.3(%)
 Press : 100.1kpa
 Product : Smart A19 Dimmable Bulb
 Model No. : 13aSB-A8065T-Q1R_NA
 Power Rating : AC_120V/60Hz
 Test Engineer : Jackson
 Test Mode : BT_LE_2402
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2390.000	38.38	35.52	32.91	7.35	10.00	47.40	54.00	-15.62	Average
2	PK 2390.000	51.55	48.69	32.91	7.35	10.00	47.40	74.00	-22.45	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

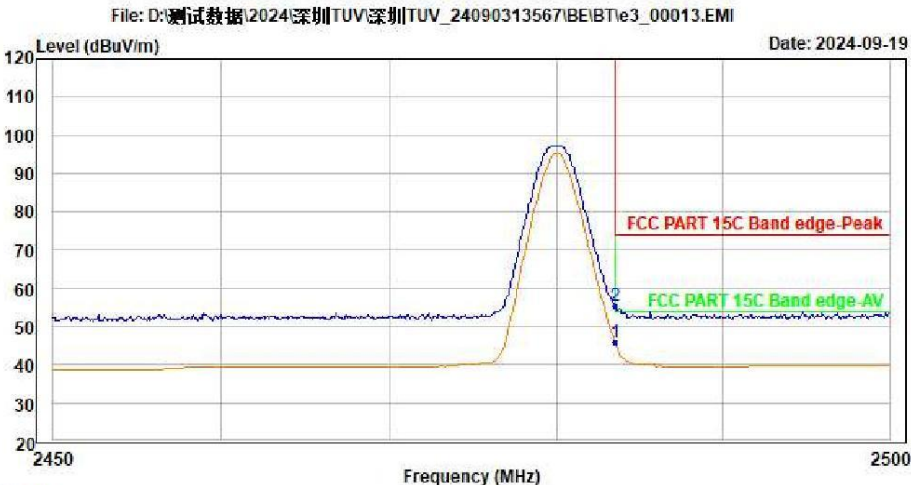


Trace: 1
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2402
Remark :

		Read	Ant	Cable	Aux	Preamp	Limit	Over	
	Freq	Level	Level	Factor	Loss	Factor	Factor	Line	Limit Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB
1	PP 2390.000	38.90	36.04	32.91	7.35	10.00	47.40	54.00	-15.10 Average
2	PK 2390.000	52.35	49.49	32.91	7.35	10.00	47.40	74.00	-21.65 Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

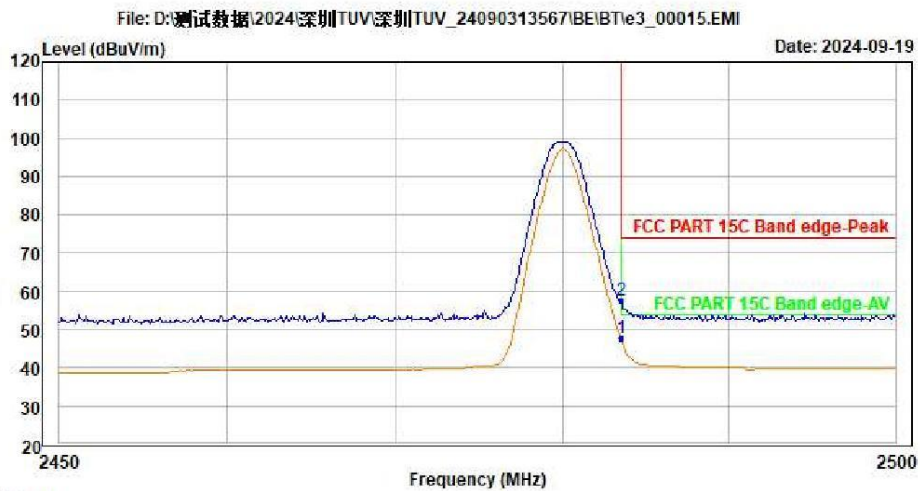


Trace: 1
 Condition : 3m Vertical
 Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
 Press : 100.1kpa
 Product : Smart A19 Dimmable Bulb
 Model No. : 13aSB-A8065T-Q1R_NA
 Power Rating : AC_120V/60Hz
 Test Engineer : Jackson
 Test Mode : BT_LE_2480
 Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	46.05	42.57	33.41	7.47	10.00	47.40	54.00	-7.95	Average
2	PK 2483.500	55.43	51.95	33.41	7.47	10.00	47.40	74.00	-18.57	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

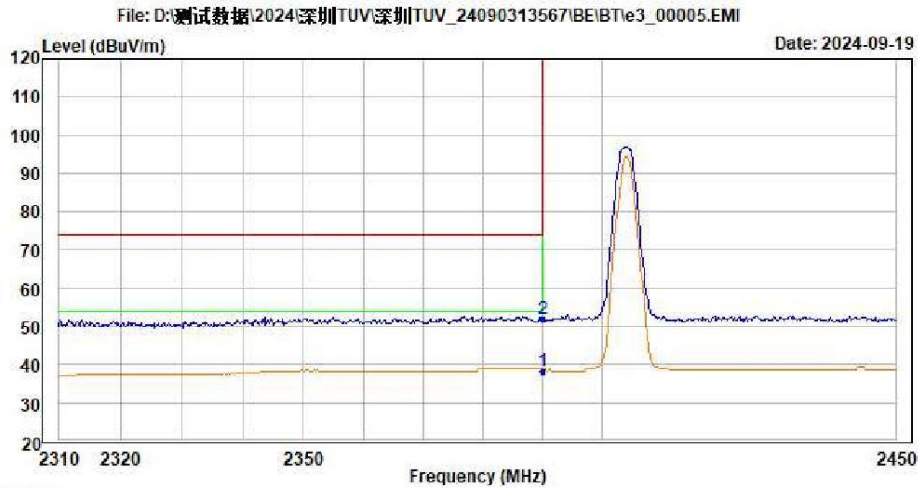


Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	47.79	44.31	33.41	7.47	10.00	47.40	54.00	-6.21	Average
2	PK 2483.500	57.46	53.98	33.41	7.47	10.00	47.40	74.00	-16.54	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

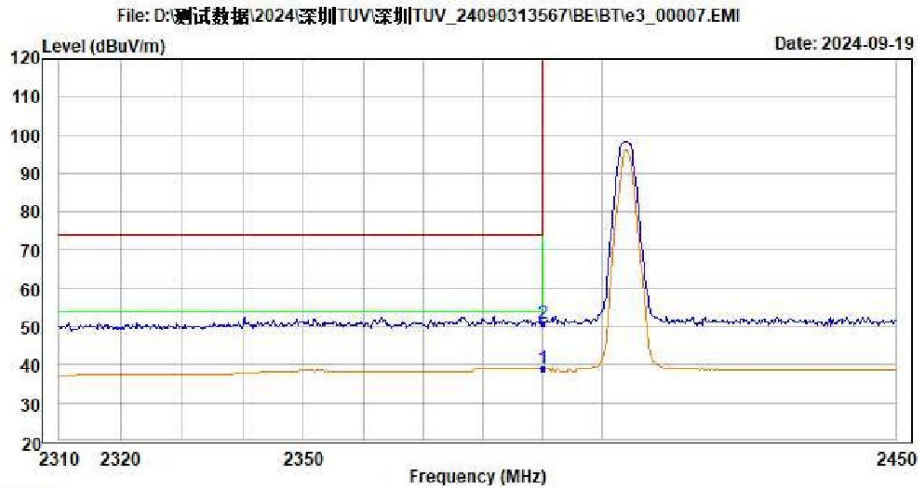


Trace: 1
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2402
Remark :

	Freq	Level	Read	Ant	Cable	Aux	Preamp	Limit	Over	
	MHz	dBuV/m	Level	Factor	Loss	Factor	Factor	Line	Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2390.000	38.38	35.52	32.91	7.35	10.00	47.40	54.00	-15.62	Average
2	PK 2390.000	52.03	49.17	32.91	7.35	10.00	47.40	74.00	-21.97	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.



Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2402
Remark :

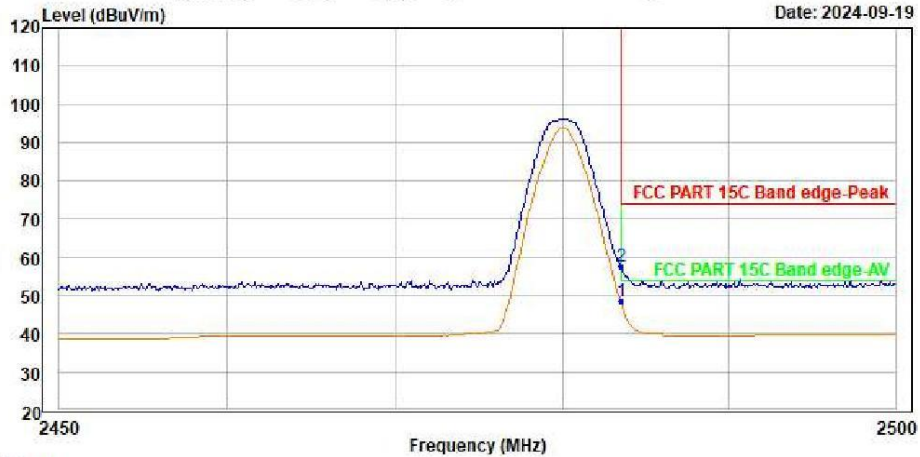
	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2390.000	38.90	36.04	32.91	7.35	10.00	47.40	54.00	-15.10	Average
2	PK 2390.000	50.97	48.11	32.91	7.35	10.00	47.40	74.00	-23.03	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

File: D:\测试数据\2024\深圳TUV\深圳TUV_24090313567\BE\BTie3_00009.EMI

Date: 2024-09-19

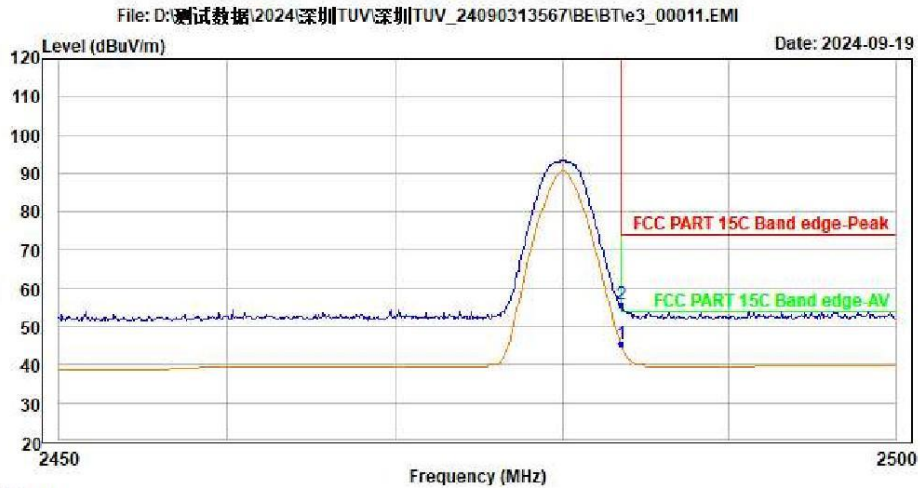


Trace: 1
Condition : 3m Horizontal
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	PP 2483.500	48.36	44.88	33.41	7.47	10.00	47.40	54.00	-5.64	Average
2	PK 2483.500	57.75	54.27	33.41	7.47	10.00	47.40	74.00	-16.25	Peak



Shenzhen UnionTrust Quality and Technology Co., Ltd.

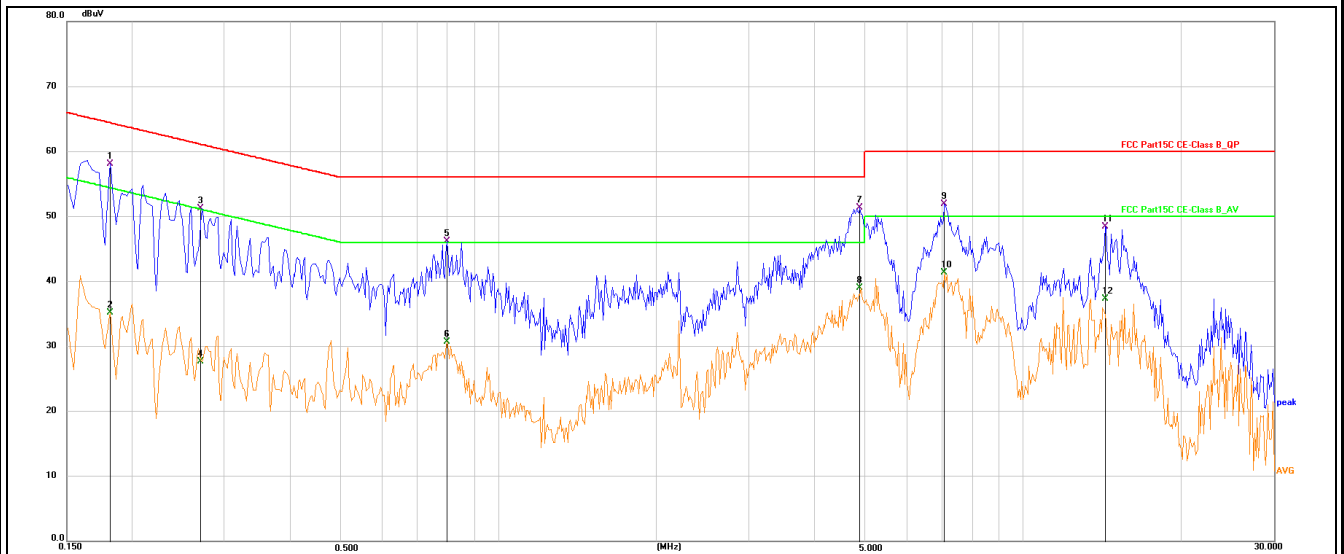


Trace: 1
Condition : 3m Vertical
Temp.(C)/Hum.(%): 24.8(C)/61.3(%)
Press : 100.1kpa
Product : Smart A19 Dimmable Bulb
Model No. : 13aSB-A8065T-Q1R_NA
Power Rating : AC_120V/60Hz
Test Engineer : Jackson
Test Mode : BT_2LE_2480
Remark :

	Freq	Level	Read Level	Ant Factor	Cable Loss	Aux Factor	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV/m	dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1 PP	2483.500	45.55	42.07	33.41	7.47	10.00	47.40	54.00	-8.45	Average
2 PK	2483.500	55.55	52.07	33.41	7.47	10.00	47.40	74.00	-18.45	Peak

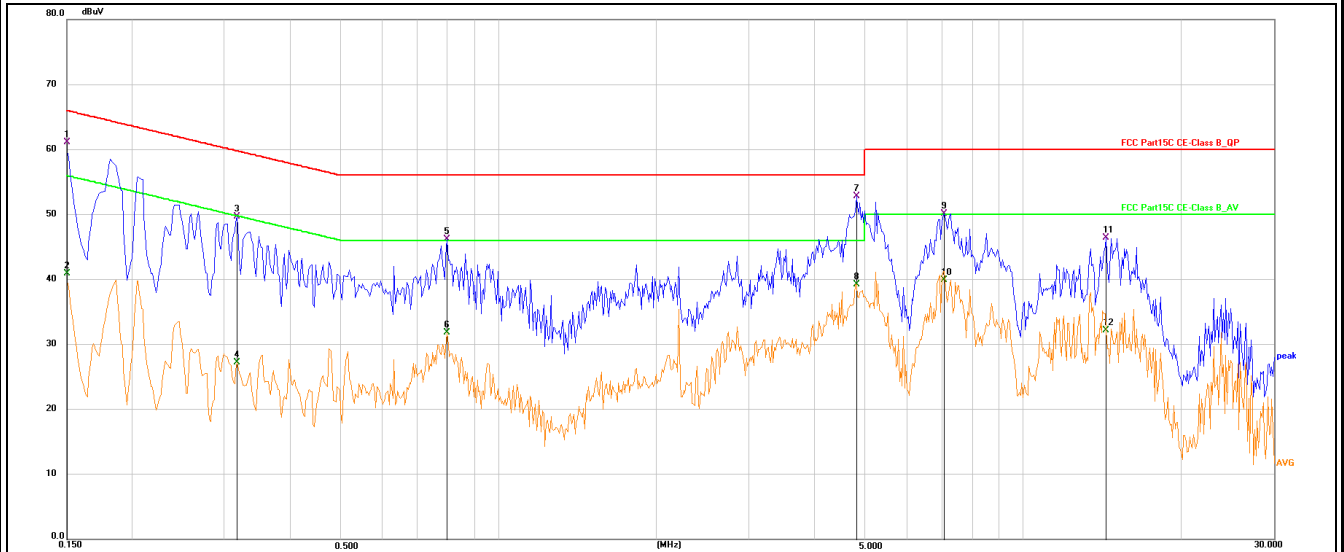
Appendix A.7: Test Results of Conducted Emission on AC Mains

Site:	LAB	Phase: L1	Temperature(°C):24.0(°C)
Limit:	FCC Part15C CE-Class B_QP	atm.press.: 100.1 kpa	Humidity(%): 54.5%RH
EUT:	Smart A19 Dimmable Bulb	Test Time:	2024/9/5 10:56:56
M/N.:	13aSB-A806ST-Q1R_NA	Power Rating:	AC120V/60Hz
Mode:	BT LINK	Test Engineer:	linson
Note:			



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1814	47.93	10.18	58.11	64.42	-6.31	QP
2	0.1814	25.01	10.18	35.19	54.42	-19.23	AVG
3	0.2714	40.98	10.20	51.18	61.07	-9.89	QP
4	0.2714	17.46	10.20	27.66	51.07	-23.41	AVG
5	0.7980	35.95	10.25	46.20	56.00	-9.80	QP
6	0.7980	20.45	10.25	30.70	46.00	-15.30	AVG
7	4.8795	41.07	10.23	51.30	56.00	-4.70	QP
8	4.8795	28.79	10.23	39.02	46.00	-6.98	AVG
9	7.0663	41.34	10.50	51.84	60.00	-8.16	QP
10	7.0663	30.87	10.50	41.37	50.00	-8.63	AVG
11	14.3340	37.87	10.50	48.37	60.00	-11.63	QP
12	14.3340	26.77	10.50	37.27	50.00	-12.73	AVG

Site:	LAB	Phase: N	Temperature(°C):24.0(°C)
Limit:	FCC Part15C CE-Class B_QP	atm.press.: 100.1 kpa	Humidity(%): 54.5%RH
EUT:	Smart A19 Dimmable Bulb	Test Time:	2024/9/5 10:58:34
M/N.:	13aSB-A806ST-Q1R_NA	Power Rating:	AC120V/60Hz
Mode:	BT LINK	Test Engineer:	linson
Note:			



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	50.90	10.19	61.09	66.00	-4.91	QP
2	0.1500	30.76	10.19	40.95	56.00	-15.05	AVG
3	0.3165	39.58	10.12	49.70	59.80	-10.10	QP
4	0.3165	17.05	10.12	27.17	49.80	-22.63	AVG
5	0.7980	35.95	10.22	46.17	56.00	-9.83	QP
6	0.7980	21.64	10.22	31.86	46.00	-14.14	AVG
7	4.8075	42.55	10.28	52.83	56.00	-3.17	QP
8	4.8075	28.95	10.28	39.23	46.00	-6.77	AVG
9	7.0663	39.82	10.29	50.11	60.00	-9.89	QP
10	7.0663	29.61	10.29	39.90	50.00	-10.10	AVG
11	14.3655	35.73	10.61	46.34	60.00	-13.66	QP
12	14.3655	21.52	10.61	32.13	50.00	-17.87	AVG