

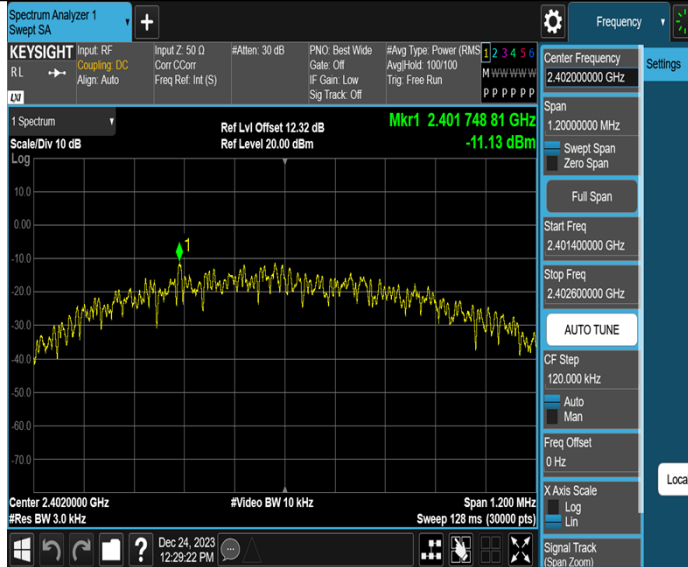
## Appendix A: Test Results of Bluetooth Low Energy

<b>APPENDIX A: TEST RESULTS OF BLUETOOTH LOW ENERGY</b> .....	<b>1</b>
<b>APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY</b> .....	<b>2</b>
<b>APPENDIX A.2: TEST RESULTS OF 6DB BANDWIDTH</b> .....	<b>5</b>
<b>APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH</b> .....	<b>8</b>
<b>APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH</b> .....	<b>11</b>
<i>Band Edge</i> .....	<b>11</b>
<i>Conducted Spurious Emission</i> .....	<b>13</b>
<b>APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS</b> .....	<b>20</b>
30 MHz - 1GHz.....	<b>20</b>
1GHz - 18GHz .....	<b>22</b>
<b>APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS</b> .....	<b>34</b>
<b>APPENDIX A.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS</b> .....	<b>42</b>

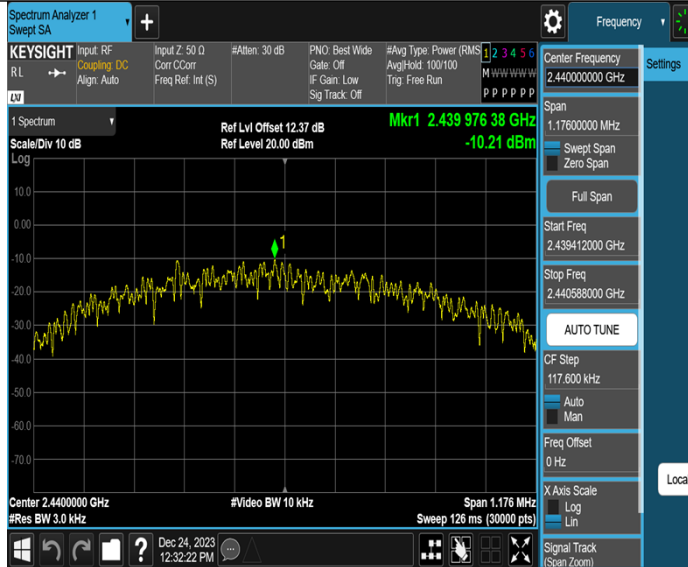
### Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant3	2402	-11.13	≤8.00	PASS
		2440	-10.21	≤8.00	PASS
		2480	-12.26	≤8.00	PASS
BLE_2M	Ant3	2402	-13.11	≤8.00	PASS
		2440	-12.52	≤8.00	PASS
		2480	-14.69	≤8.00	PASS

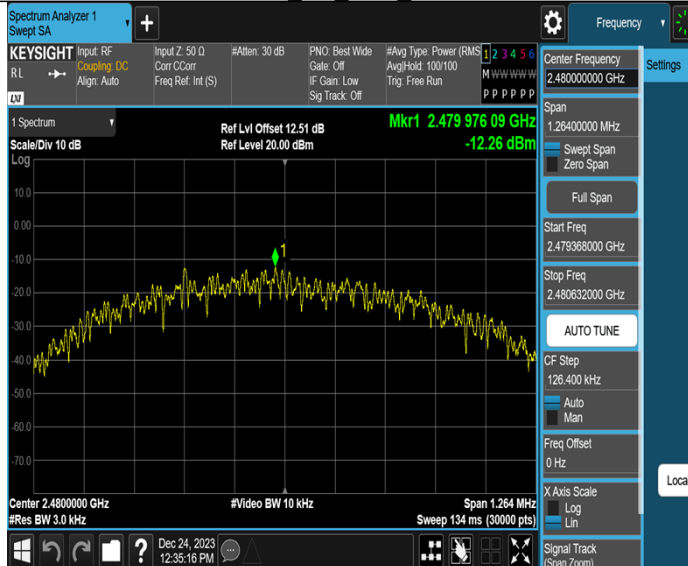
BLE 1M Ant3 2402



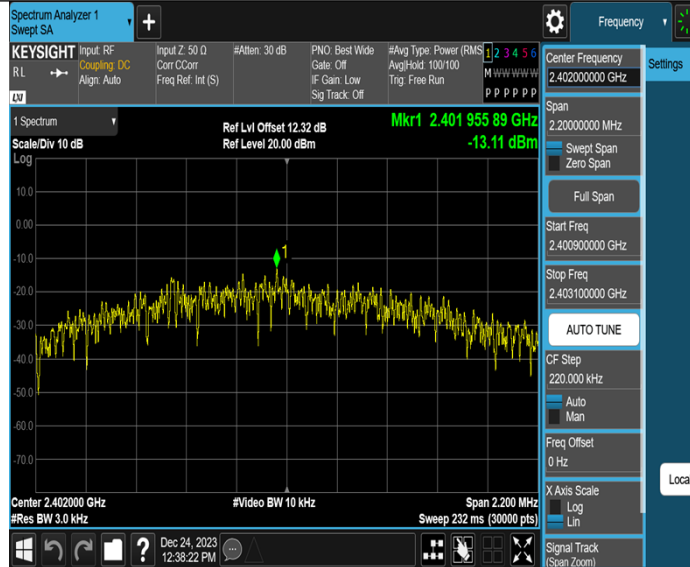
BLE 1M Ant3 2440



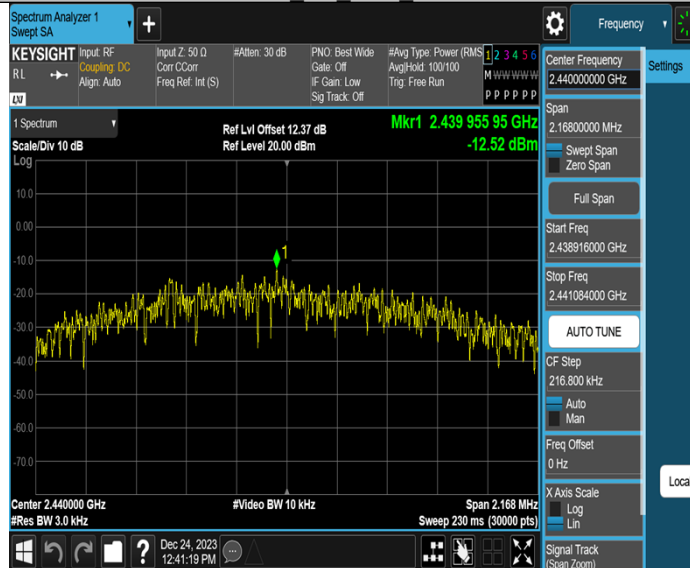
BLE 1M Ant3 2480



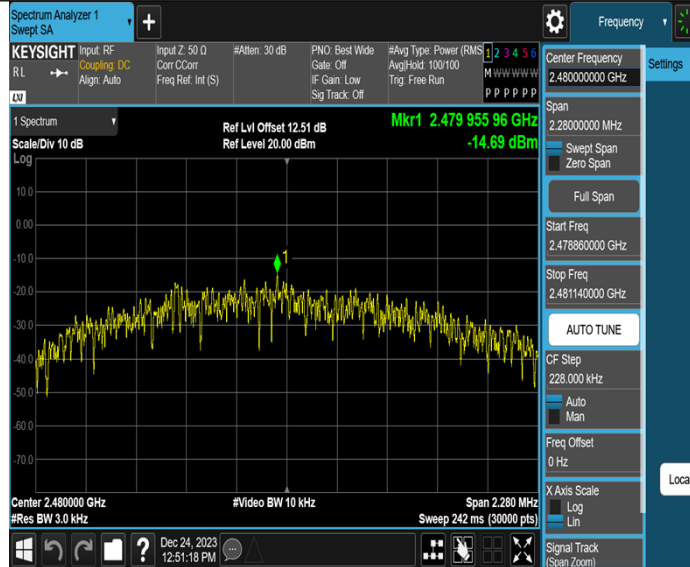
BLE 2M Ant3 2402



BLE 2M Ant3 2440

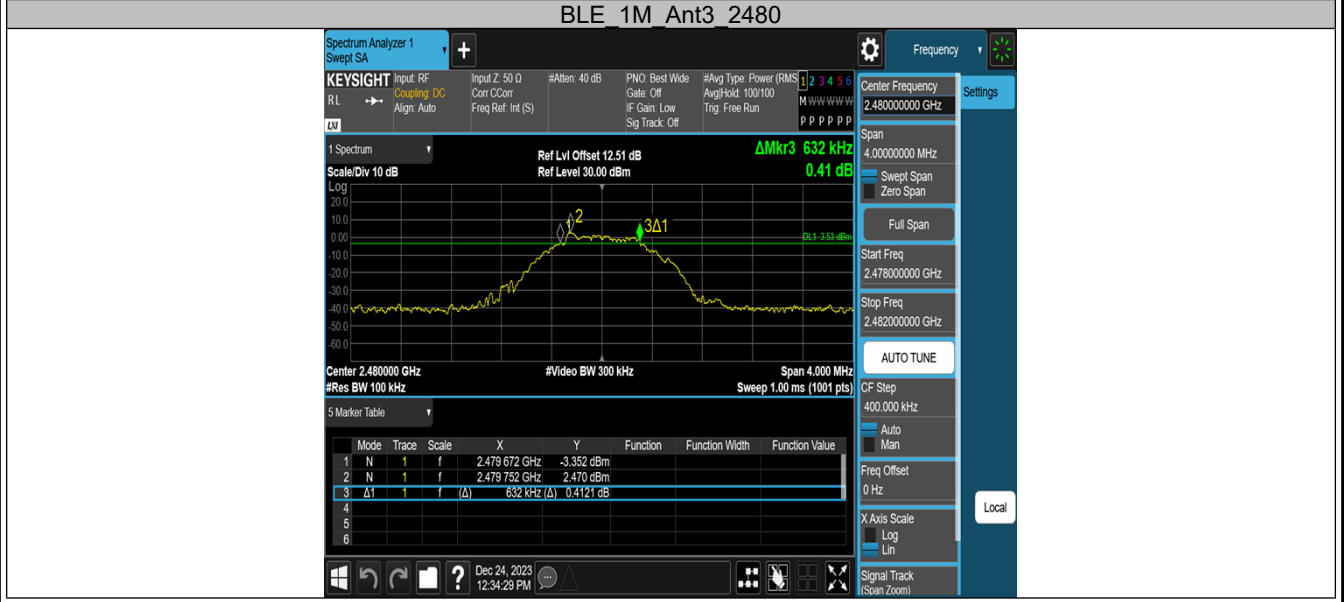
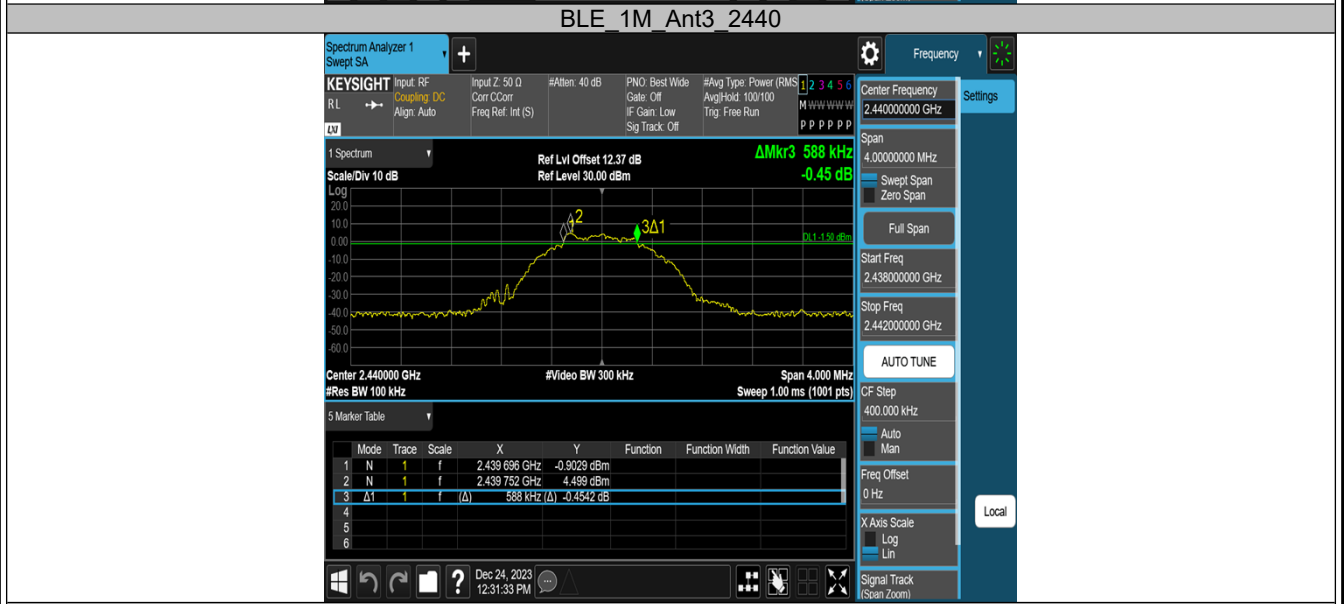


BLE 2M Ant3 2480



### Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant3	2402	0.600	2401.680	2402.280	0.5	PASS
		2440	0.588	2439.696	2440.284	0.5	PASS
		2480	0.632	2479.672	2480.304	0.5	PASS
BLE_2M	Ant3	2402	1.100	2401.420	2402.520	0.5	PASS
		2440	1.084	2439.416	2440.500	0.5	PASS
		2480	1.140	2479.412	2480.552	0.5	PASS



BLE 2M Ant3 2402



BLE 2M Ant3 2440



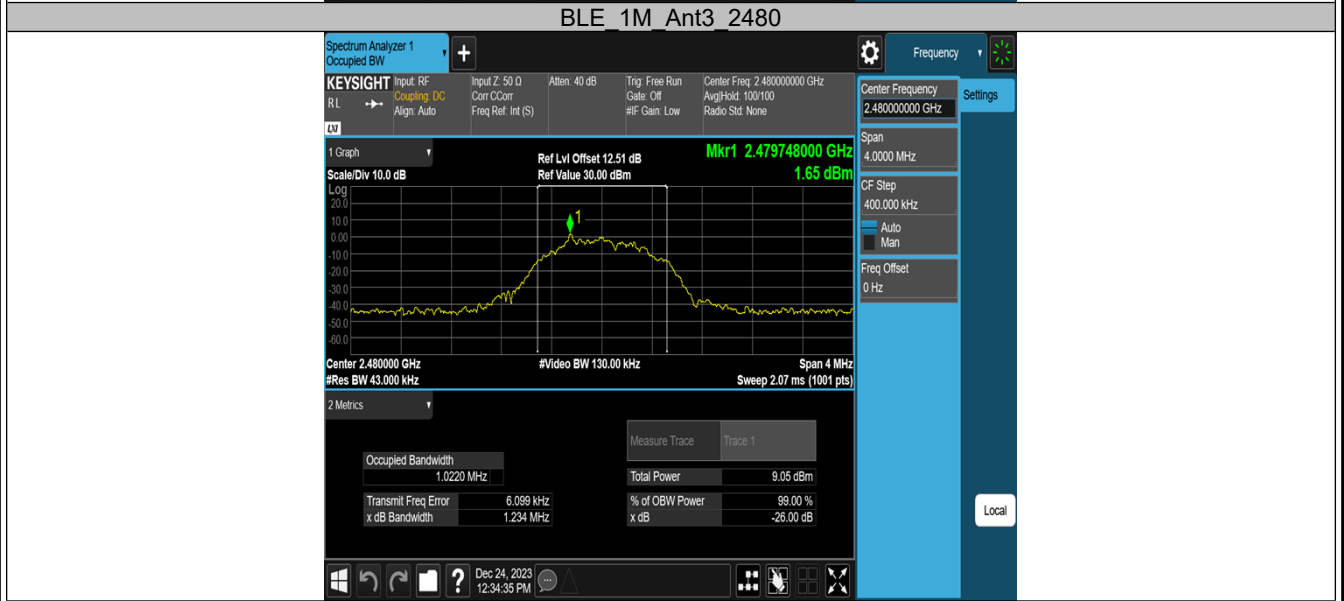
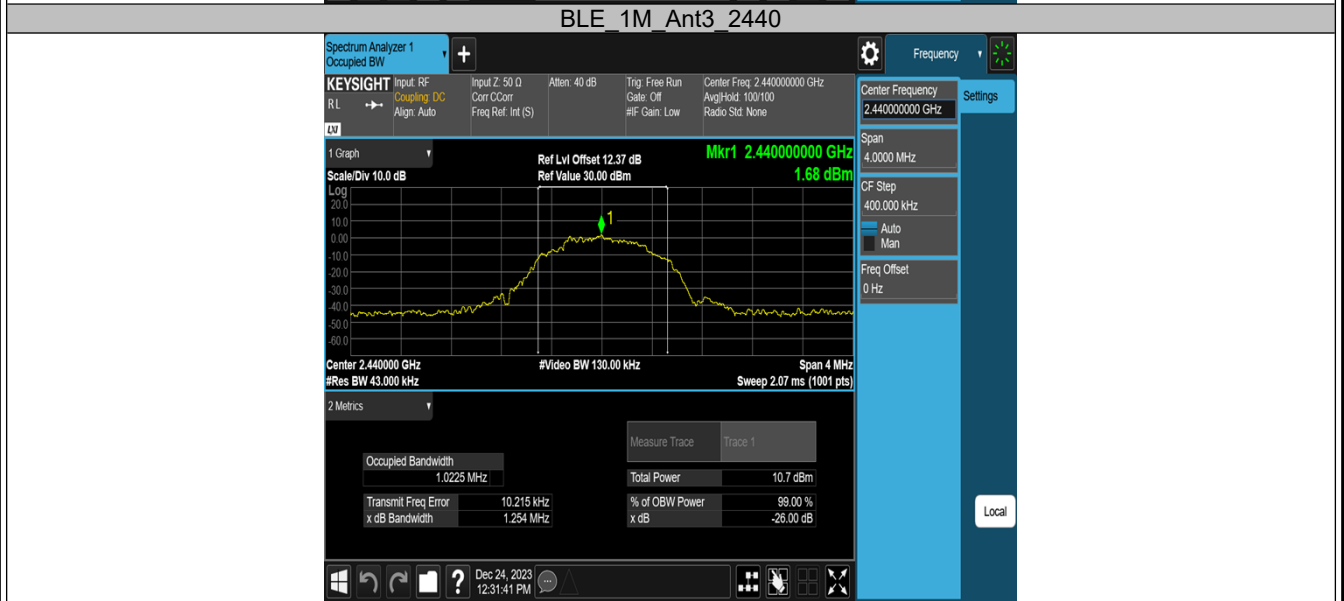
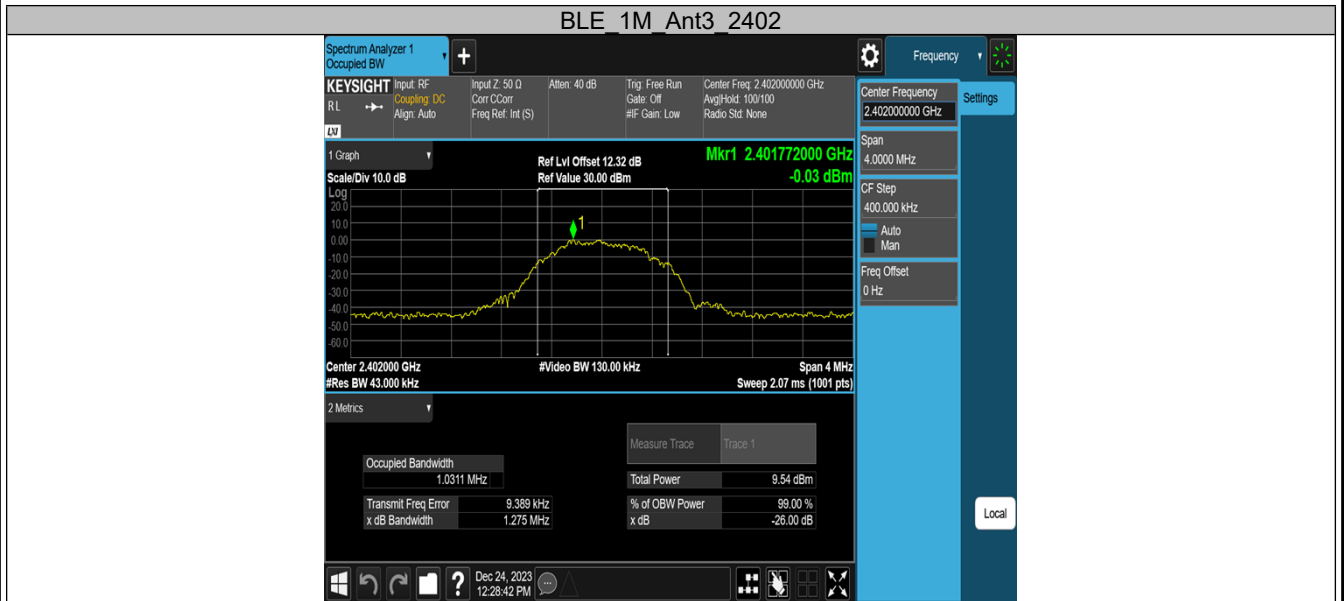
BLE 2M Ant3 2480



### Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant3	2402	1.0311	2401.4938	2402.5249	---	PASS
		2440	1.0225	2439.4990	2440.5215	---	PASS
		2480	1.0220	2479.4951	2480.5171	---	PASS
BLE_2M	Ant3	2402	2.0352	2401.0103	2403.0455	---	PASS
		2440	2.0271	2439.0042	2441.0313	---	PASS
		2480	2.0355	2479.0014	2481.0369	---	PASS





BLE 2M Ant3 2402



BLE 2M Ant3 2440



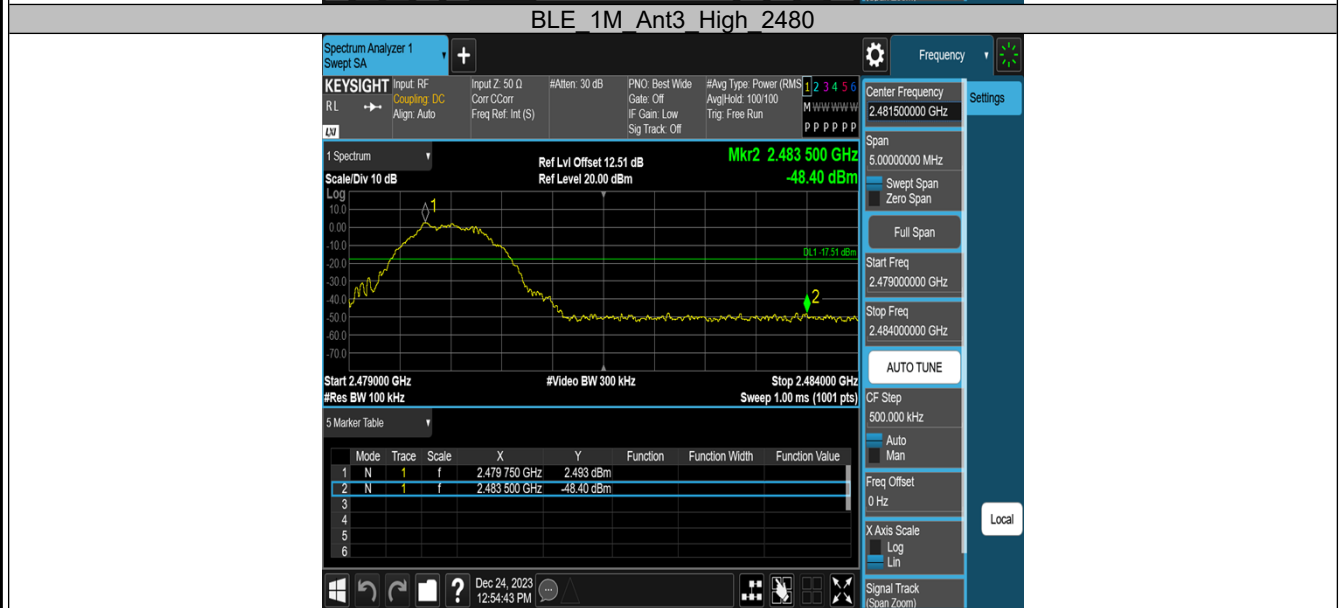
BLE 2M Ant3 2480



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

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant3	Low	2402	3.59	-50.35	≤-16.41	PASS
		High	2480	2.493	-48.4	≤-17.51	PASS
BLE_2M	Ant3	Low	2402	3.57	-43.17	≤-16.43	PASS
		High	2480	1.808	-49.49	≤-18.19	PASS



BLE 2M Ant3 Low 2402



BLE 2M Ant3 High 2480



Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant3	2402	Reference	4.14	4.14	---	PASS
			30~1000	4.14	-47.63	≤-15.86	PASS
			1000~26500	4.14	-38.72	≤-15.86	PASS
		2440	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-47.88	≤-15.47	PASS
			1000~26500	4.53	-38.49	≤-15.47	PASS
		2480	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-47.87	≤-17.95	PASS
			1000~26500	2.05	-38.63	≤-17.95	PASS
BLE_2M	Ant3	2402	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-47.74	≤-16.38	PASS
			1000~26500	3.62	-37.24	≤-16.38	PASS
		2440	Reference	3.88	3.88	---	PASS
			30~1000	3.88	-47.5	≤-16.12	PASS
			1000~26500	3.88	-38.68	≤-16.12	PASS
		2480	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-47.36	≤-18	PASS
			1000~26500	2.00	-38.34	≤-18	PASS

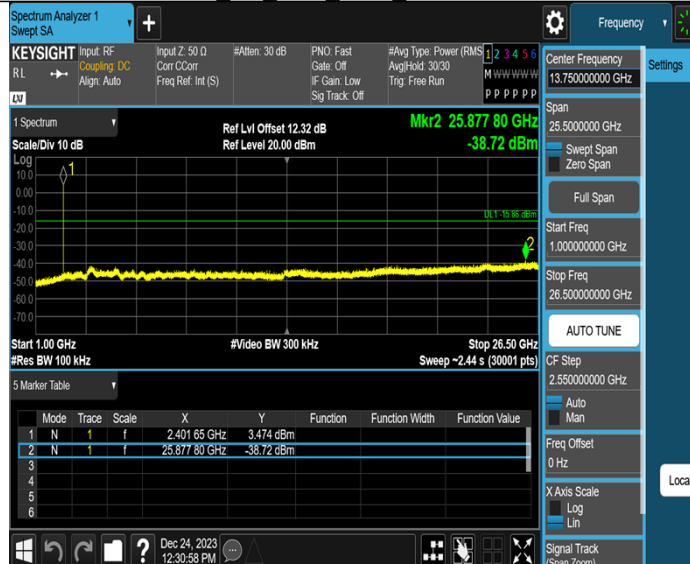
BLE 1M Ant3 2402 0~Reference



BLE 1M Ant3 2402 30~1000



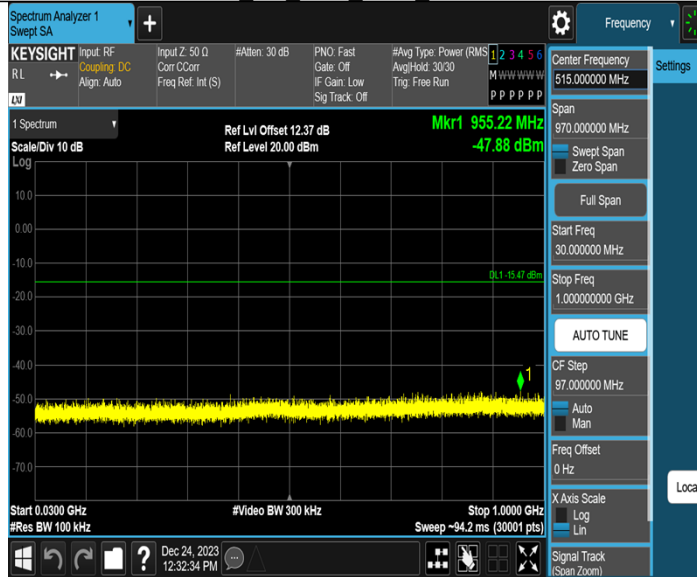
BLE 1M Ant3 2402 1000~26500



BLE 1M Ant3 2440 0~Reference



BLE 1M Ant3 2440 30~1000



BLE\_1M Ant3 2440\_1000~26500

