

## APPENDIX B: TEST RESULTS OF BLUETOOTH (LOW ENERGY)

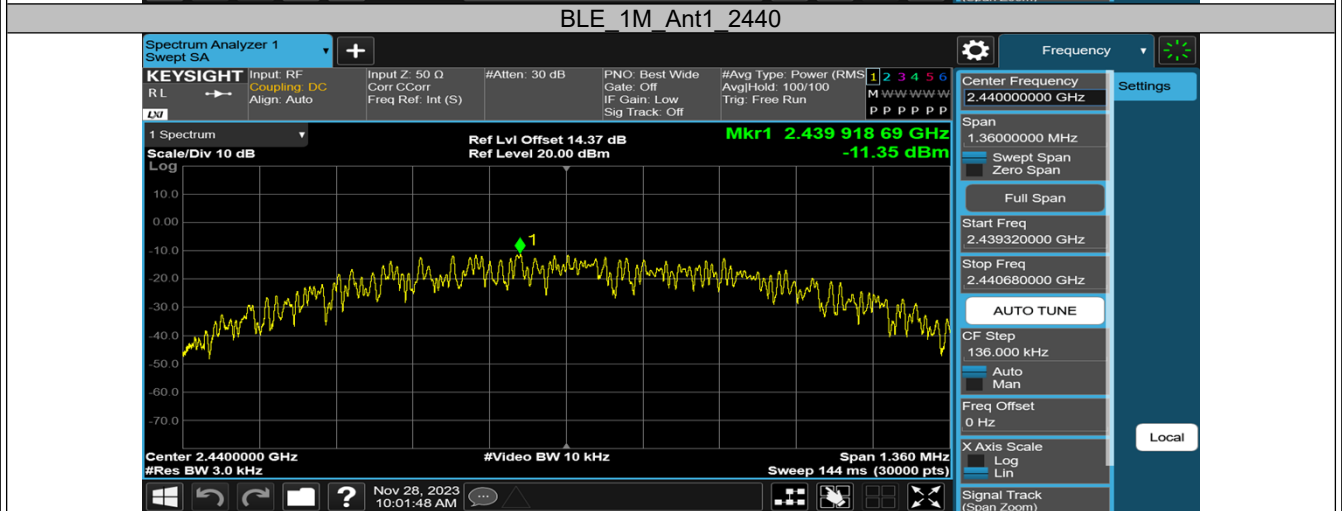
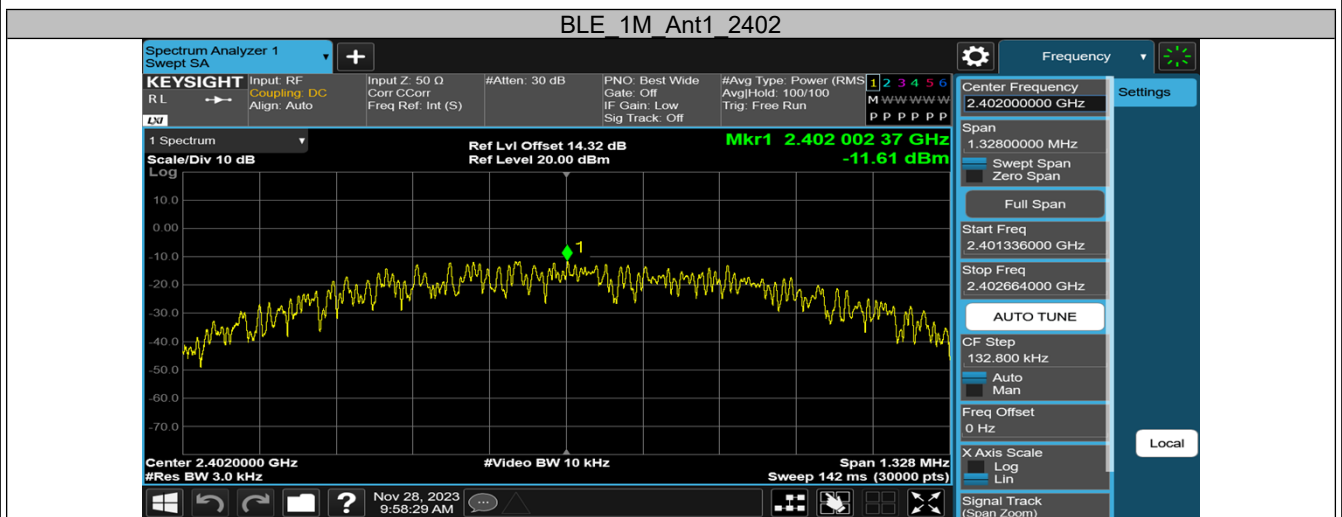
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**APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY**

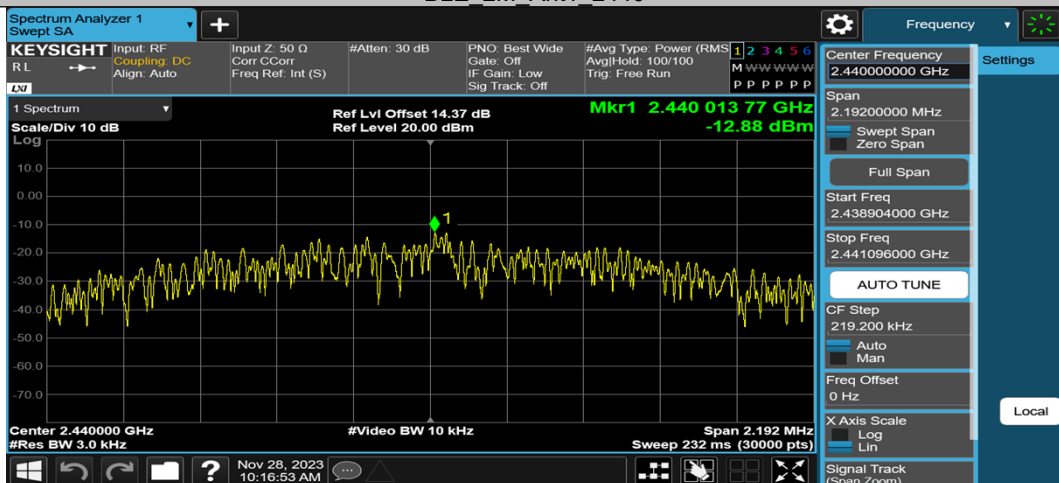
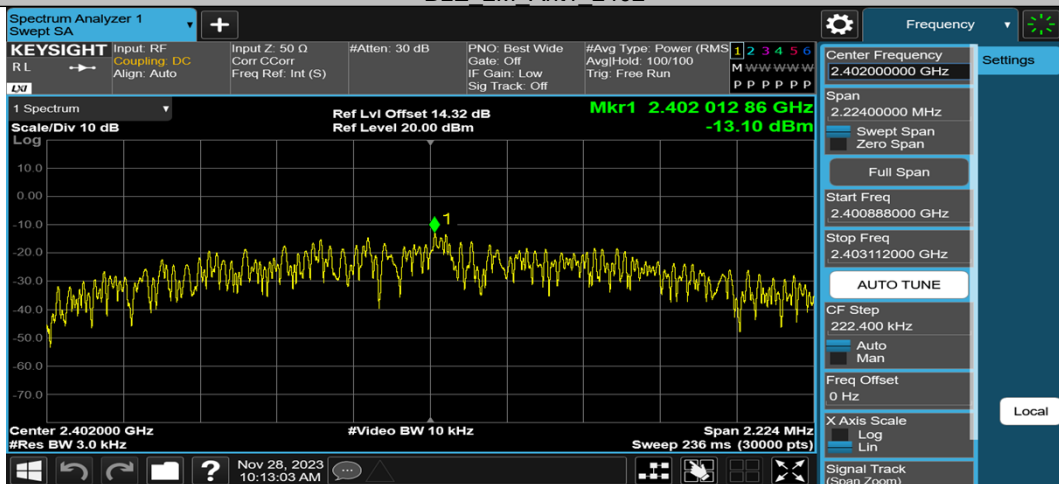
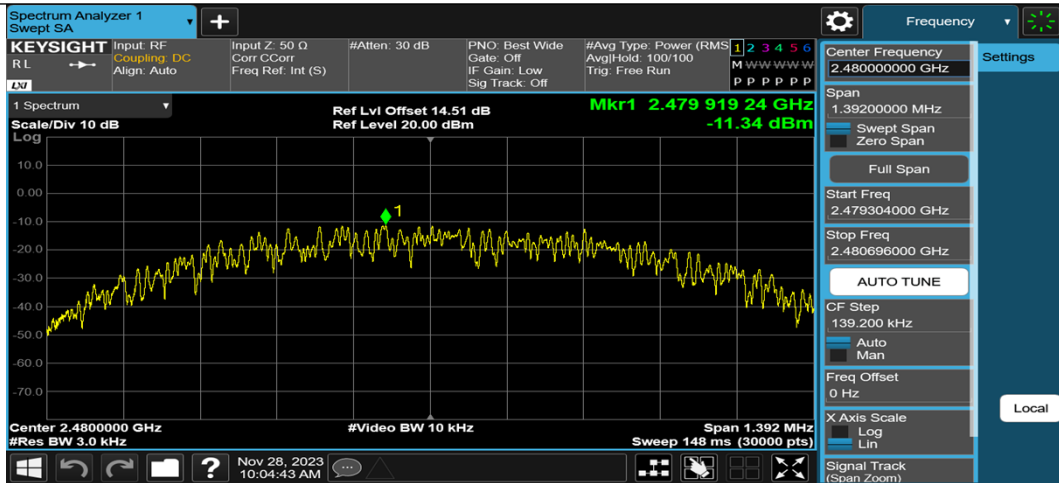
**Test Result**

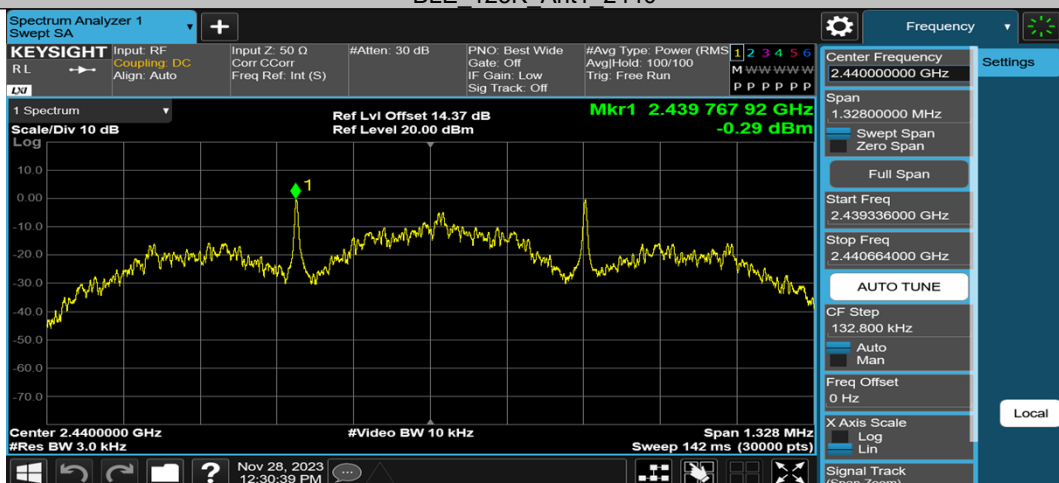
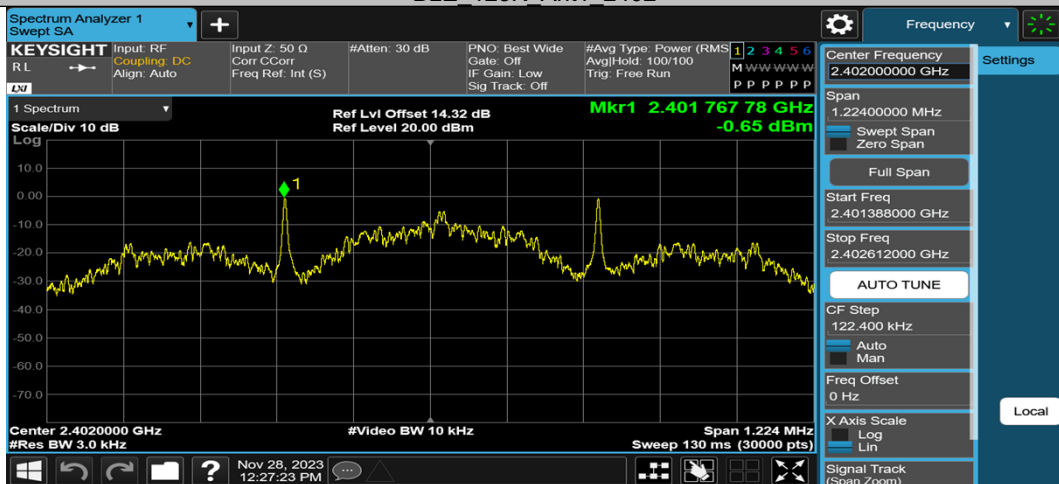
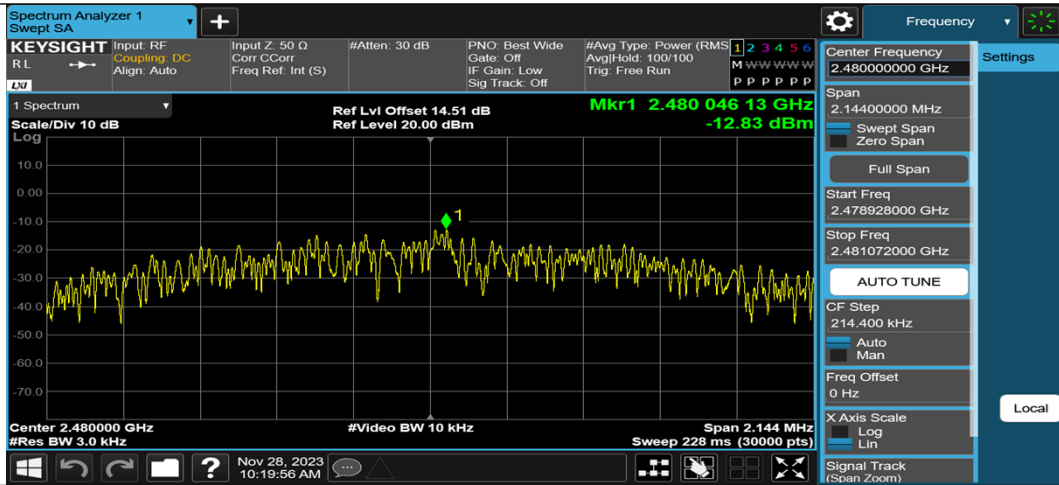
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.61	≤8.00	PASS
		2440	-11.35	≤8.00	PASS
		2480	-11.34	≤8.00	PASS
BLE_2M	Ant1	2402	-13.10	≤8.00	PASS
		2440	-12.88	≤8.00	PASS
		2480	-12.83	≤8.00	PASS
BLE_125K	Ant1	2402	-0.65	≤8.00	PASS
		2440	-0.29	≤8.00	PASS
		2480	-0.25	≤8.00	PASS
BLE_500K	Ant1	2402	-0.74	≤8.00	PASS
		2440	-0.37	≤8.00	PASS
		2480	-0.34	≤8.00	PASS

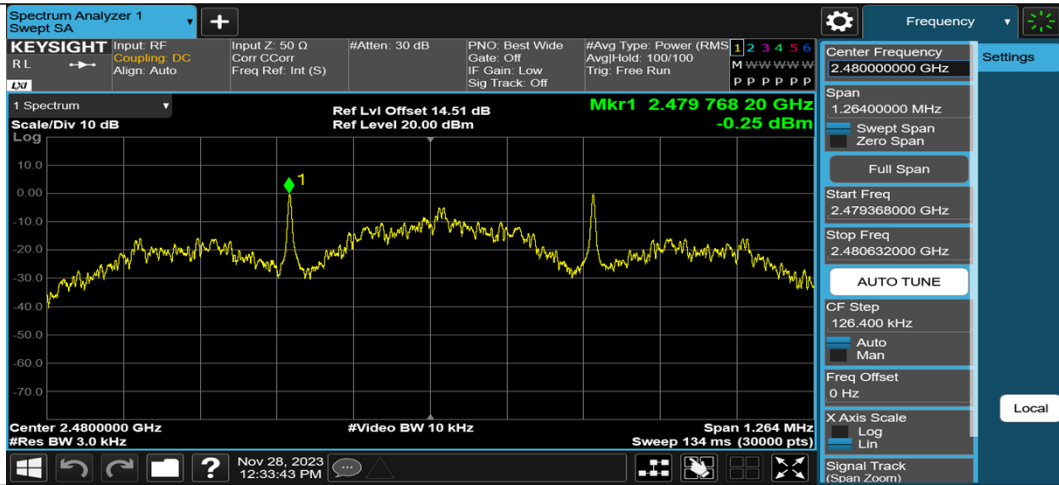
**Test Graphs**



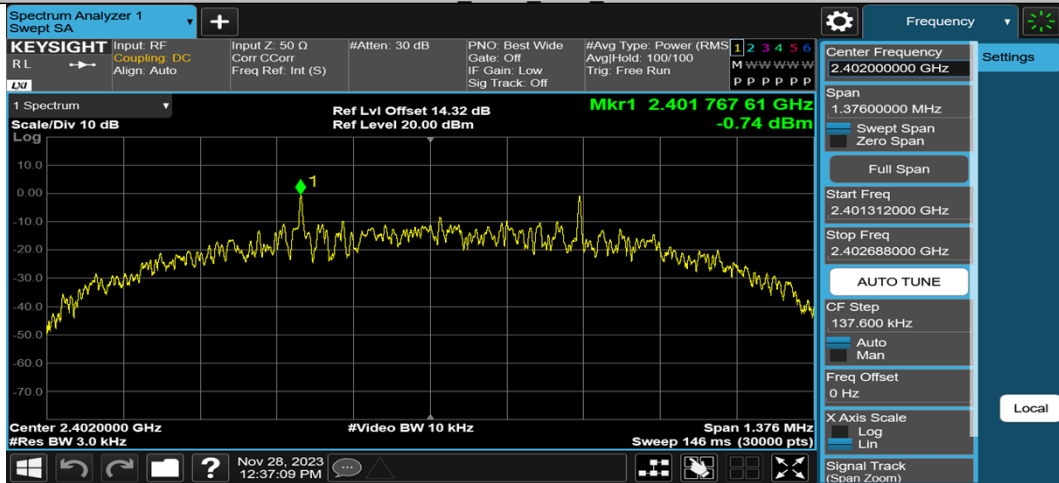
BLE 1M Ant1 2480







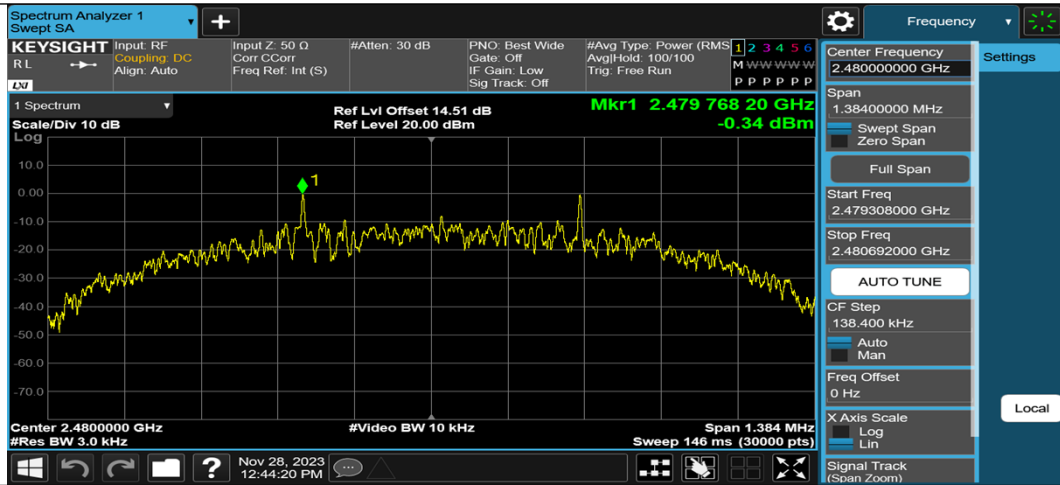
BLE 500K Ant1\_2402



BLE 500K Ant1\_2440



BLE\_500K\_Ant1\_2480

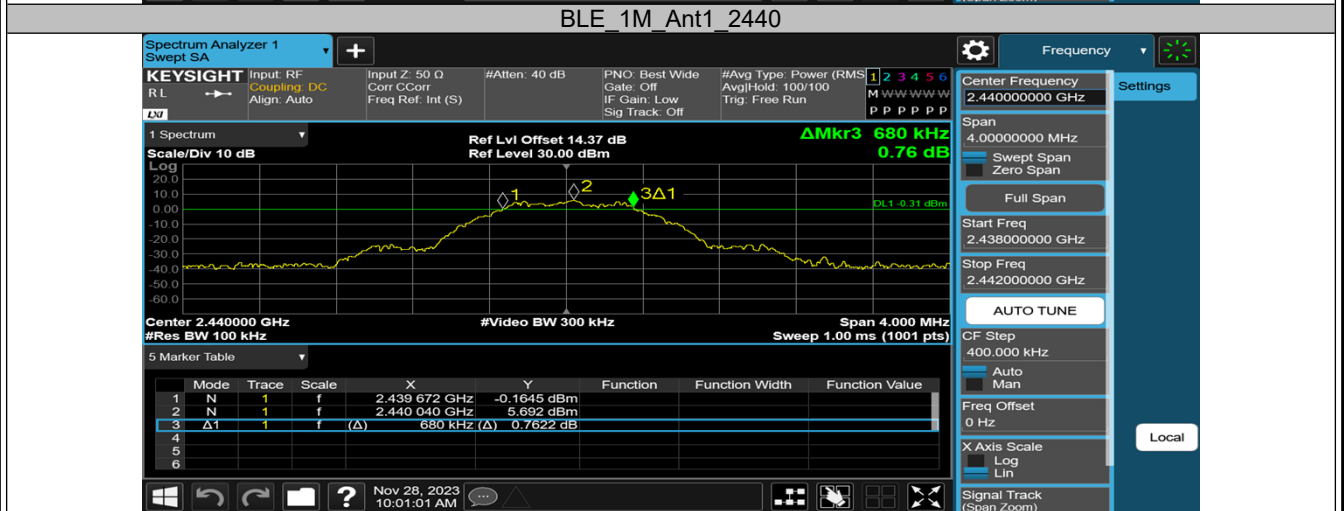
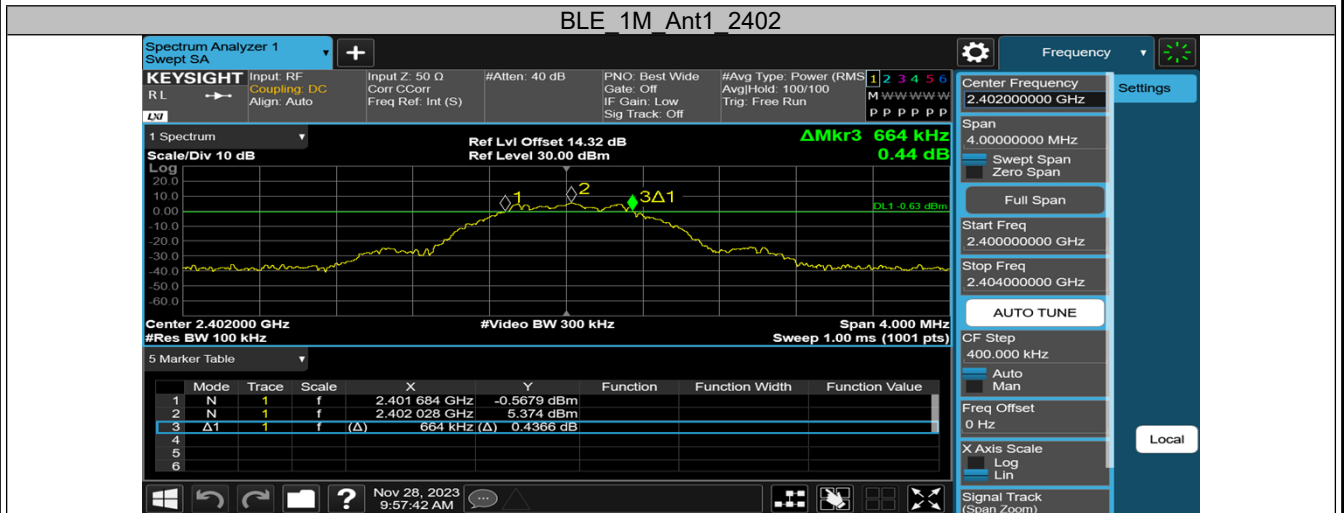


APPENDIX B.2: 6dB BANDWIDTH

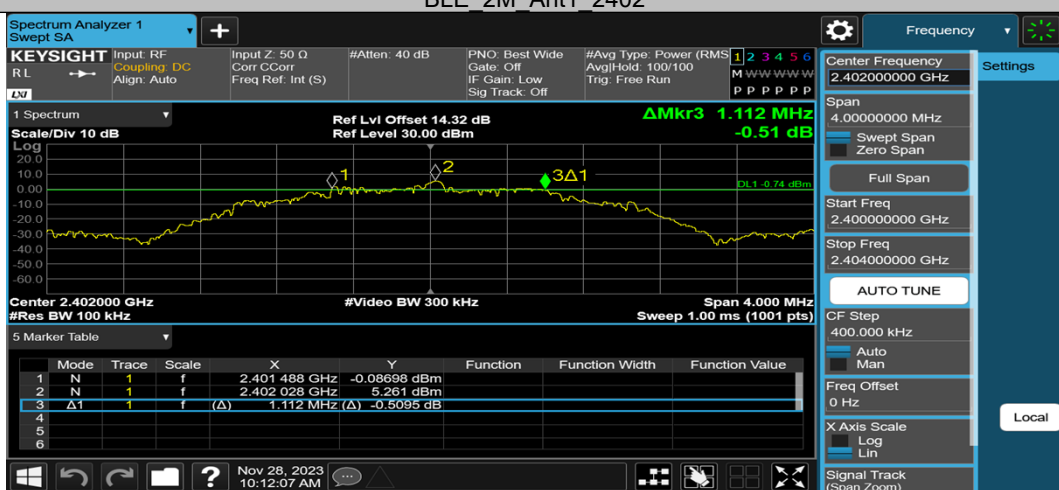
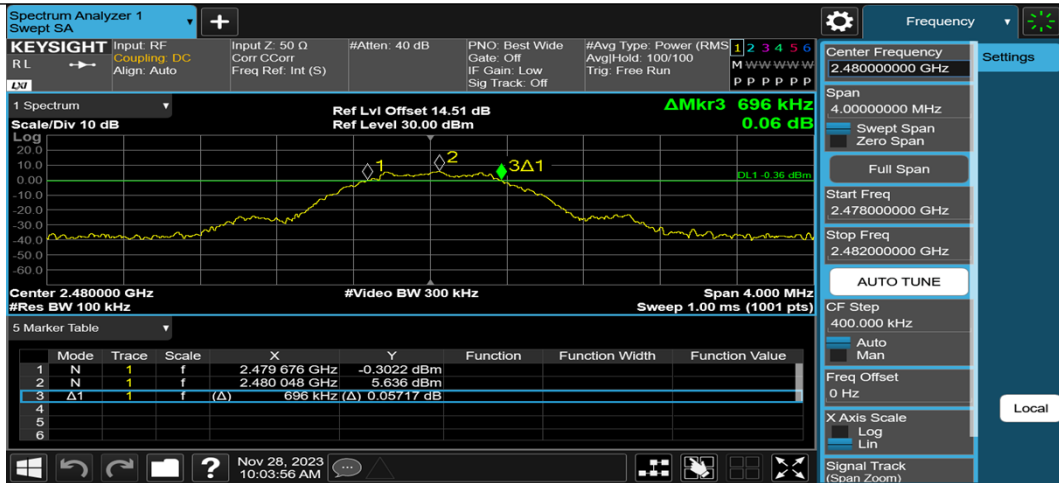
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.684	2402.348	0.5	PASS
		2440	0.680	2439.672	2440.352	0.5	PASS
		2480	0.696	2479.676	2480.372	0.5	PASS
BLE_2M	Ant1	2402	1.112	2401.488	2402.600	0.5	PASS
		2440	1.096	2439.508	2440.604	0.5	PASS
		2480	1.072	2479.484	2480.556	0.5	PASS
BLE_125K	Ant1	2402	0.612	2401.712	2402.324	0.5	PASS
		2440	0.664	2439.688	2440.352	0.5	PASS
		2480	0.632	2479.704	2480.336	0.5	PASS
BLE_500K	Ant1	2402	0.688	2401.684	2402.372	0.5	PASS
		2440	0.692	2439.688	2440.380	0.5	PASS
		2480	0.692	2479.688	2480.380	0.5	PASS

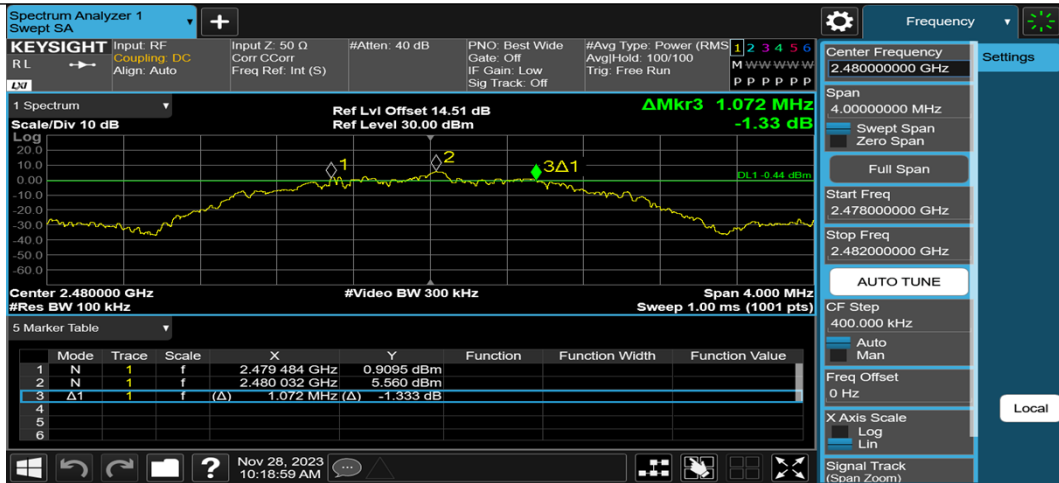
Test Graphs



BLE\_1M Ant1 2480



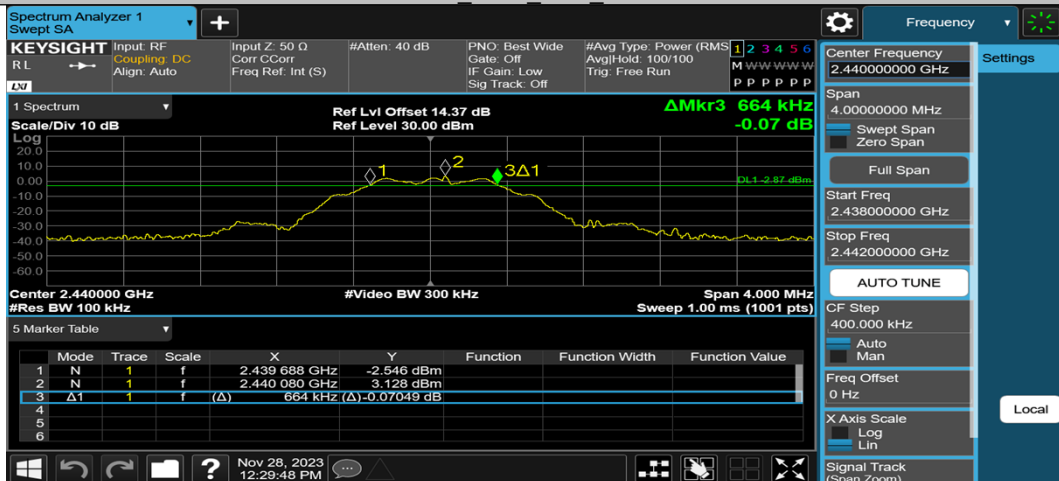




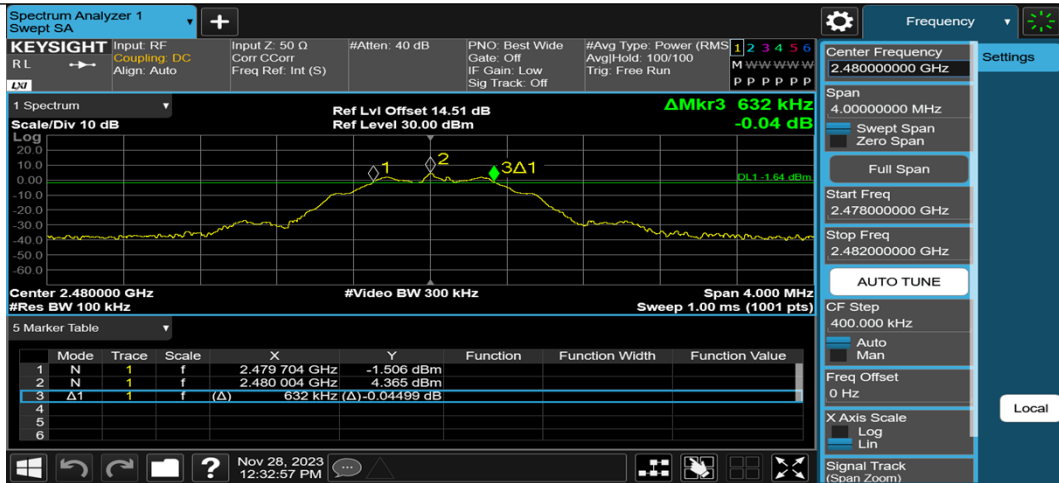
BLE 125K Ant1 2402



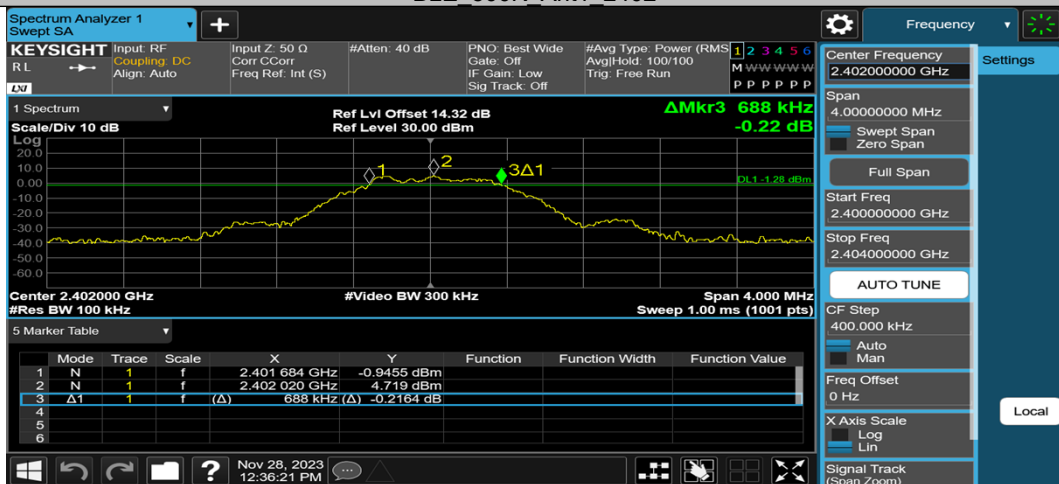
BLE 125K Ant1 2440



BLE 125K Ant1 2480



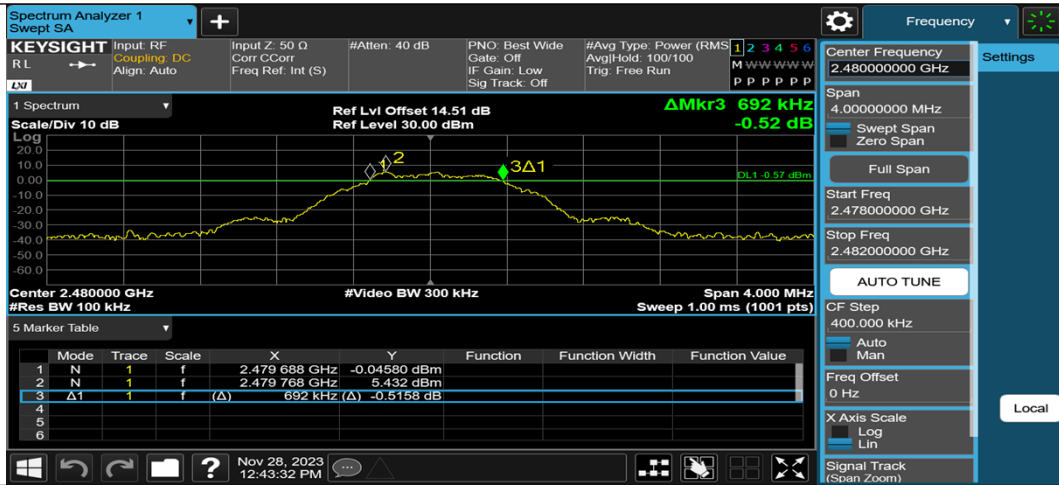
BLE 500K Ant1\_2402



BLE 500K Ant1\_2440



BLE\_500K\_Ant1\_2480



**APPENDIX B.3: 99% BANDWIDTH**

**Test Result**

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0452	2401.5111	2402.5563	---	---
		2440	1.0476	2439.5075	2440.5551	---	---
		2480	1.0441	2479.5091	2480.5532	---	---
BLE_2M	Ant1	2402	2.0307	2401.0235	2403.0542	---	---
		2440	2.0498	2439.0217	2441.0715	---	---
		2480	2.0519	2479.0253	2481.0772	---	---
BLE_125K	Ant1	2402	1.0705	2401.4852	2402.5557	---	---
		2440	1.0732	2439.4823	2440.5555	---	---
		2480	1.0748	2479.4822	2480.5570	---	---
BLE_500K	Ant1	2402	1.0406	2401.5042	2402.5448	---	---
		2440	1.0442	2439.5008	2440.5450	---	---
		2480	1.0437	2479.4983	2480.5420	---	---

**Test Graphs**

