

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

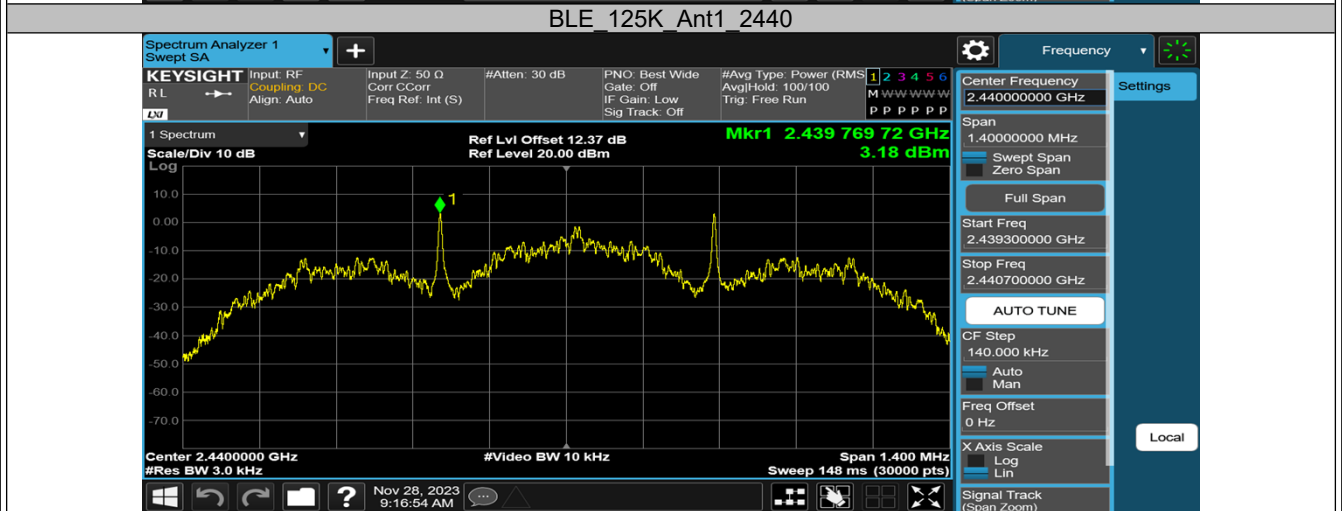
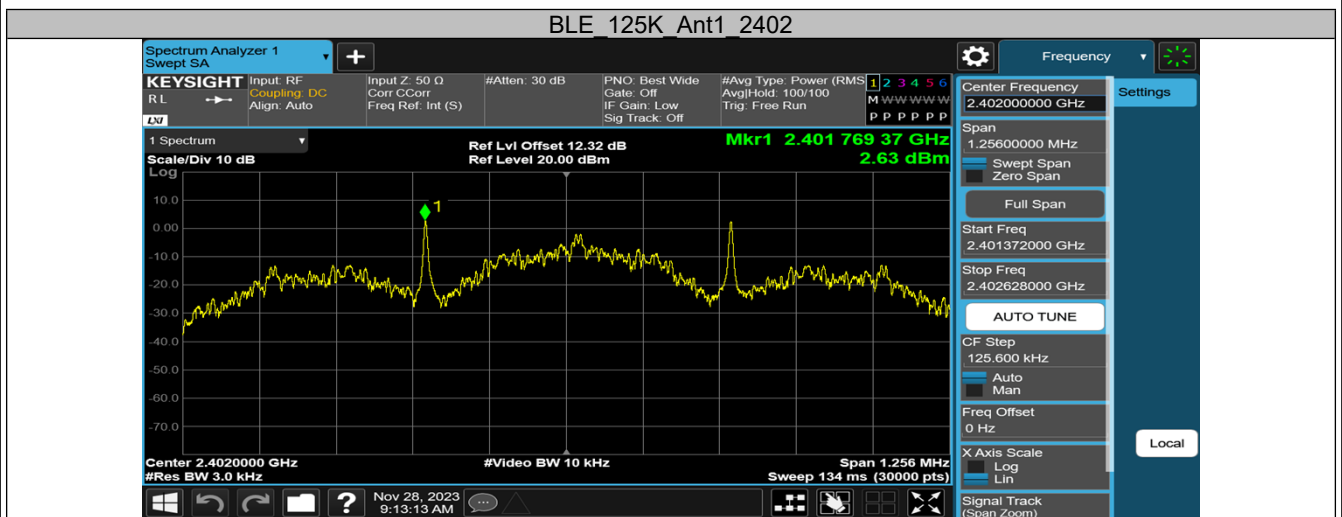
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**APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY**

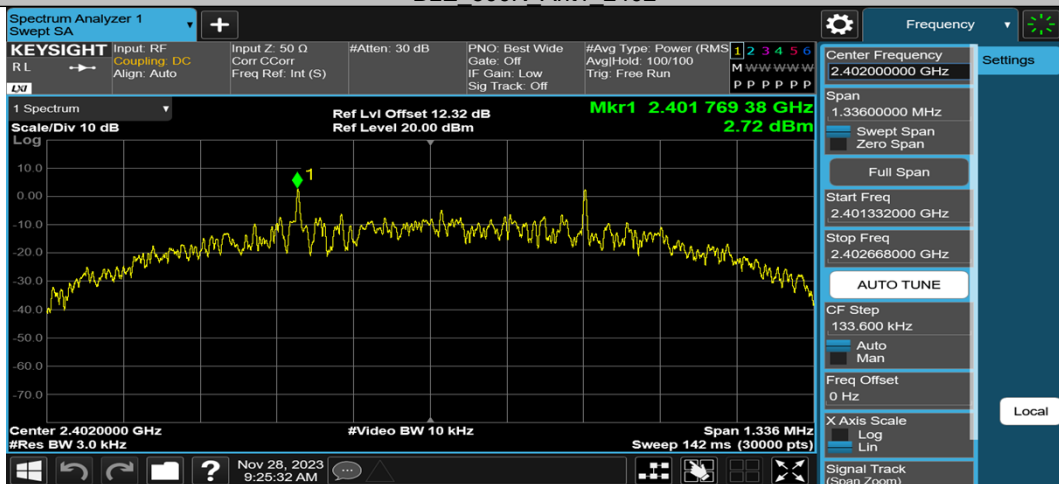
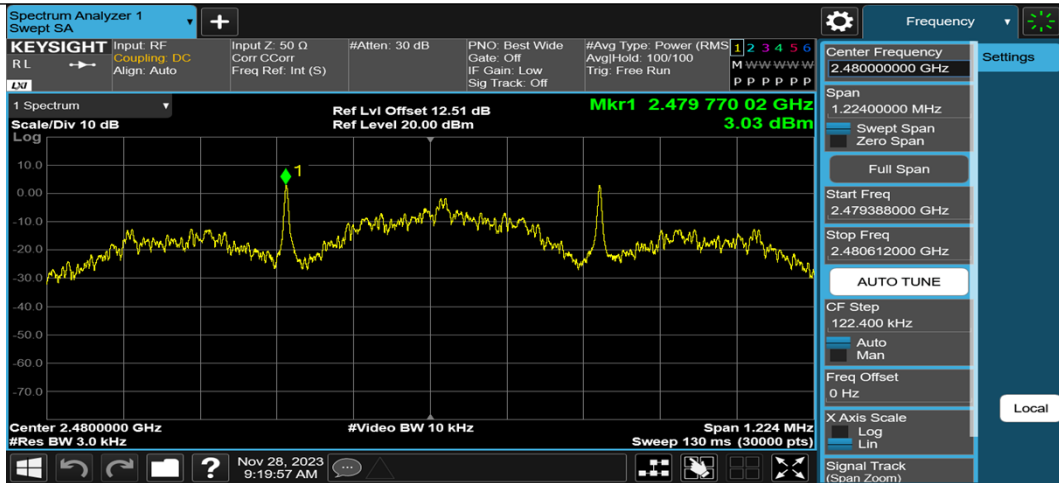
**Test Result**

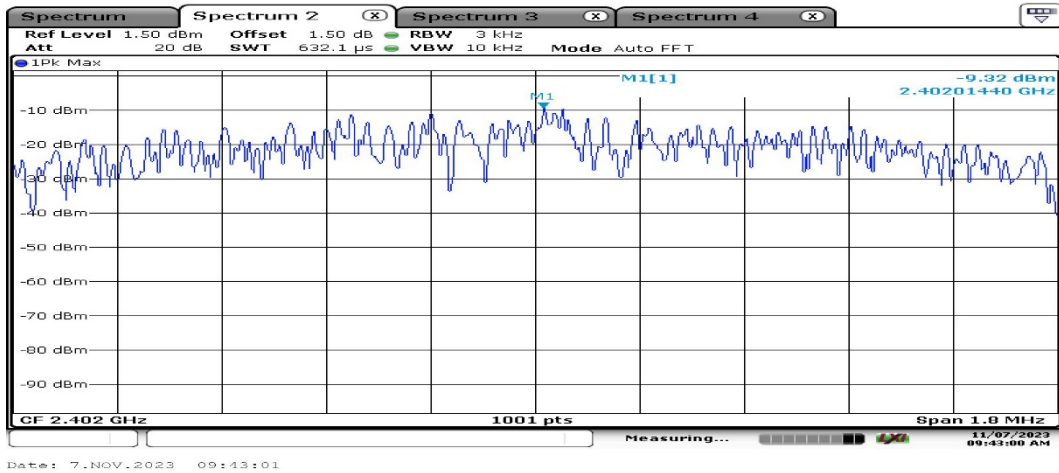
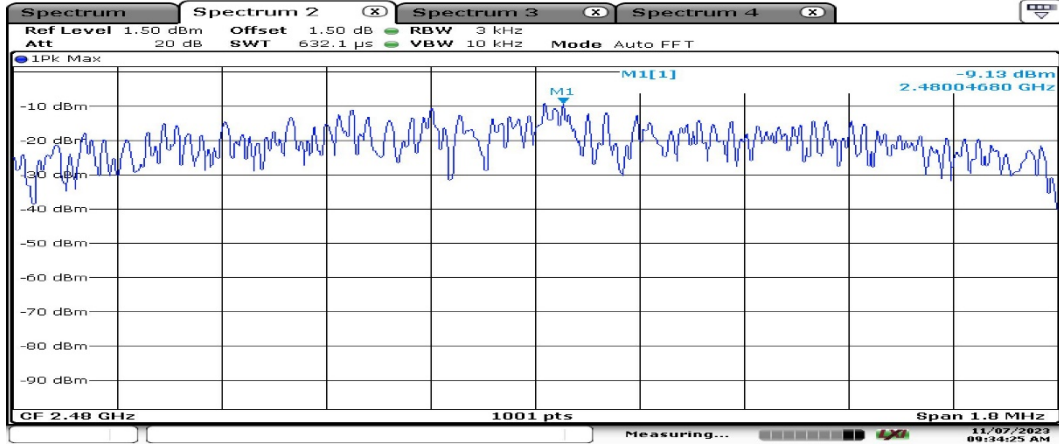
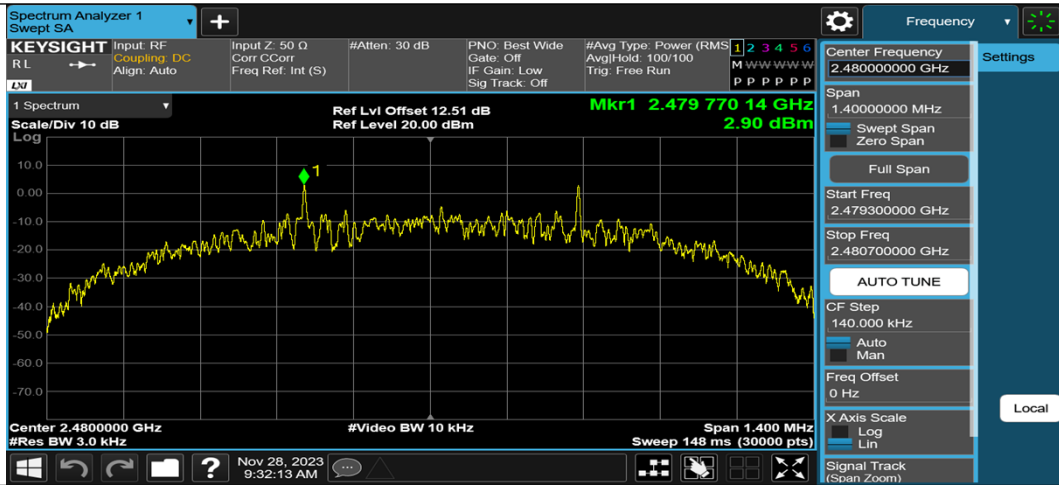
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_125K	Ant1	2402	2.63	≤8.00	PASS
		2440	3.18	≤8.00	PASS
		2480	3.03	≤8.00	PASS
BLE_500K	Ant1	2402	2.72	≤8.00	PASS
		2440	3.02	≤8.00	PASS
		2480	2.90	≤8.00	PASS
BLE_1M	Ant1	2402	-7.39	≤8.00	PASS
		2440	-7.4	≤8.00	PASS
		2480	-7.39	≤8.00	PASS
BLE_2M	Ant1	2402	-9.32	≤8.00	PASS
		2440	-9.29	≤8.00	PASS
		2480	-9.13	≤8.00	PASS

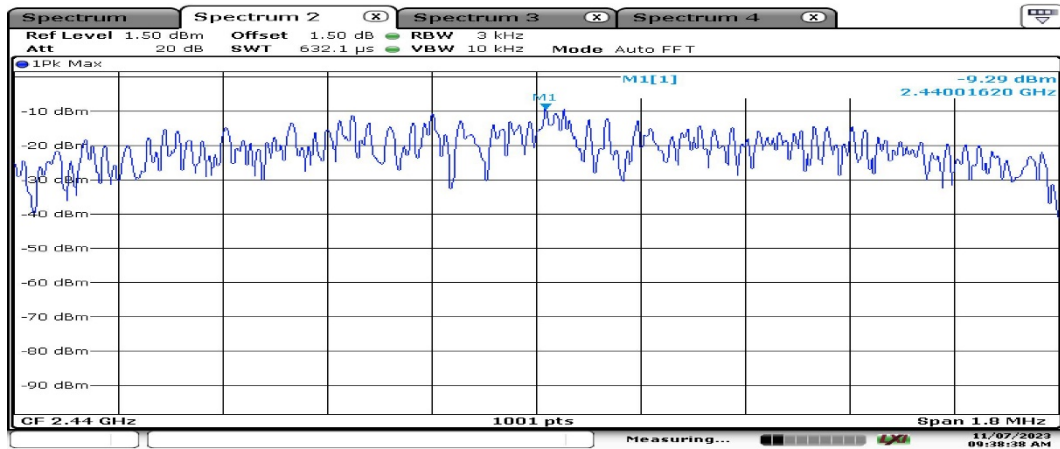
**Test Graphs**



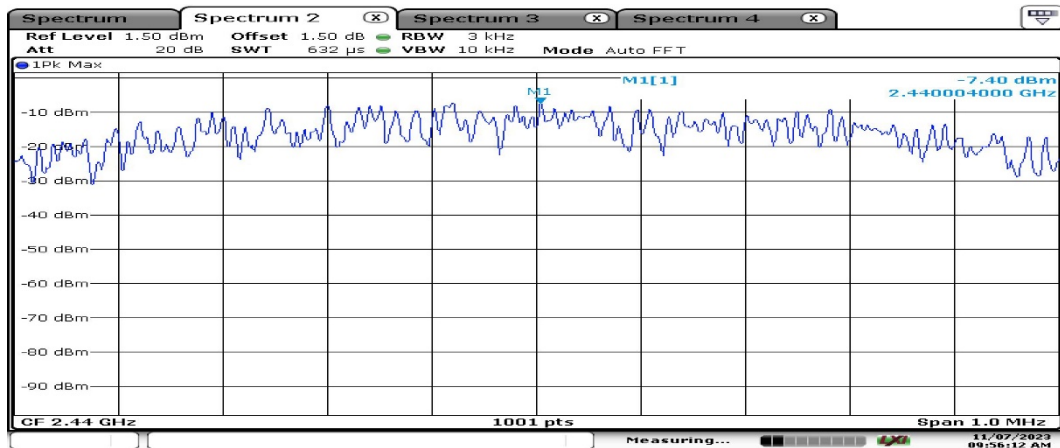
BLE 125K Ant1 2480



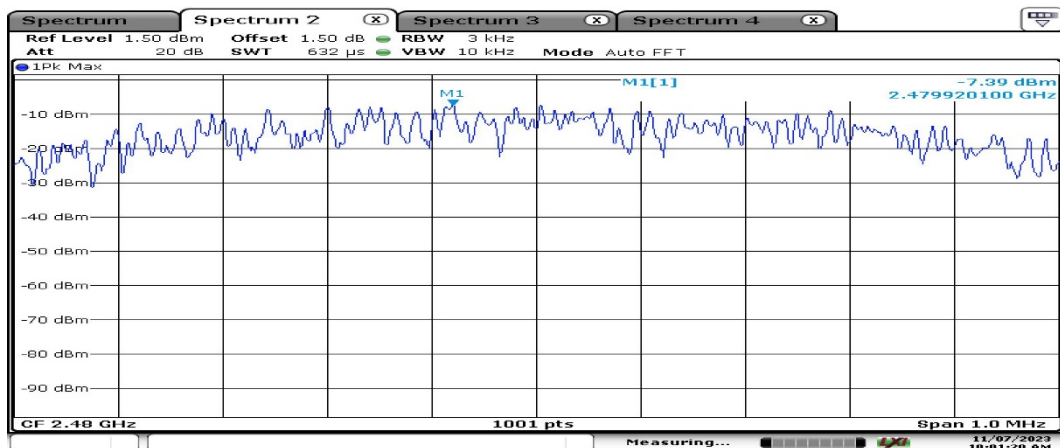




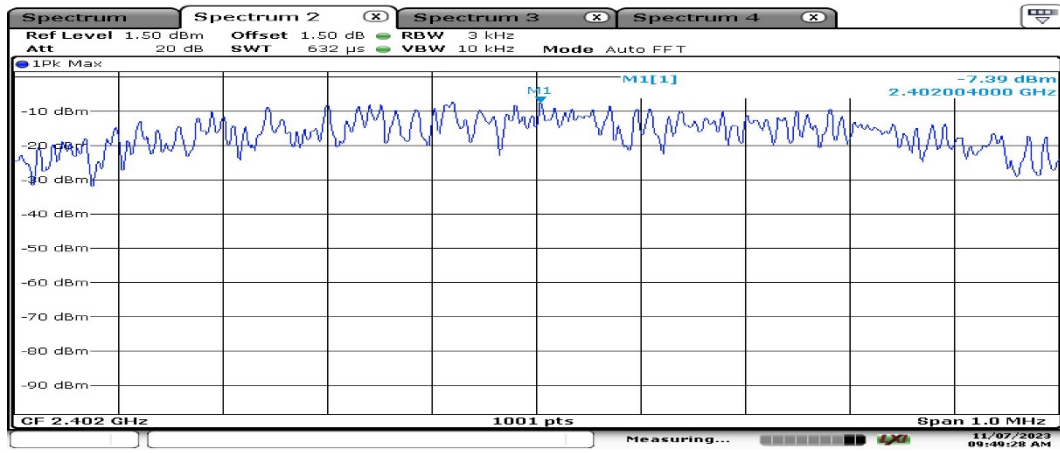
Date: 7.NOV.2023 09:38:39



Date: 7.NOV.2023 09:56:13



Date: 7.NOV.2023 10:01:21

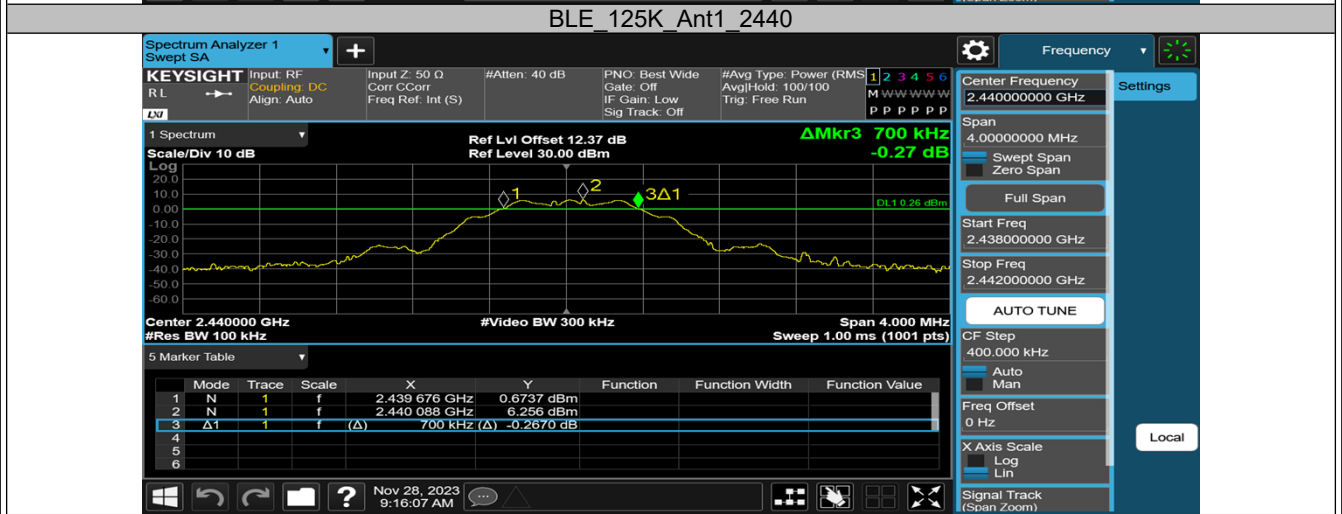
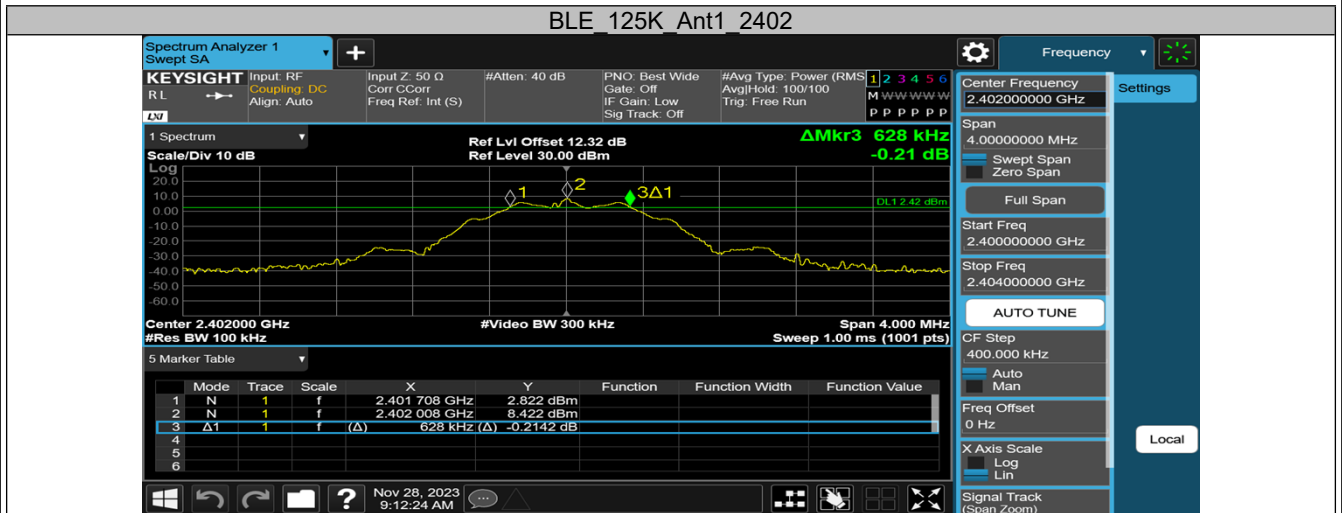


APPENDIX B.2: 6dB BANDWIDTH

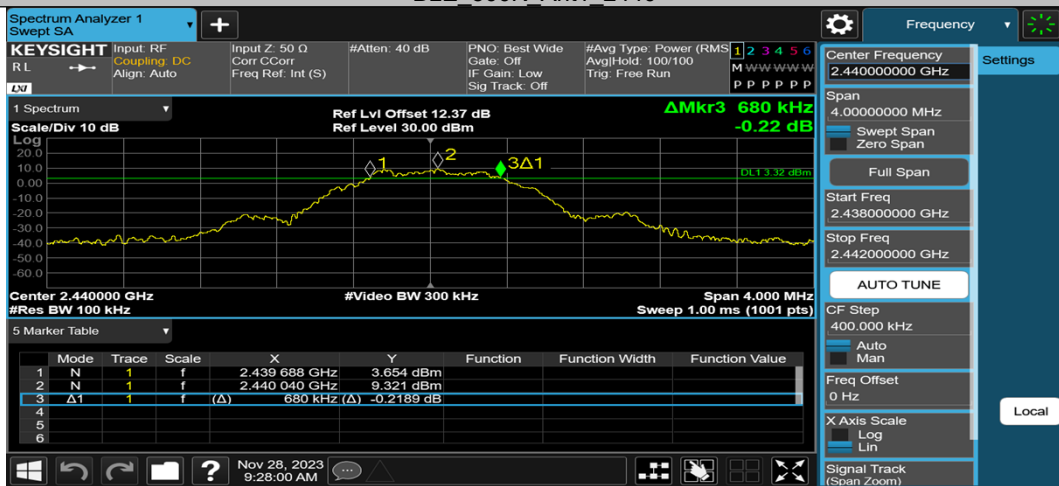
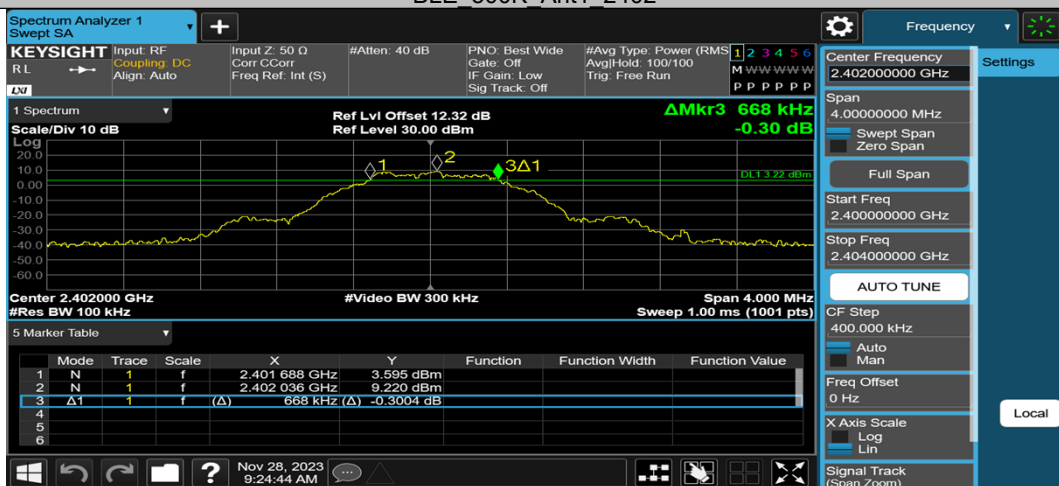
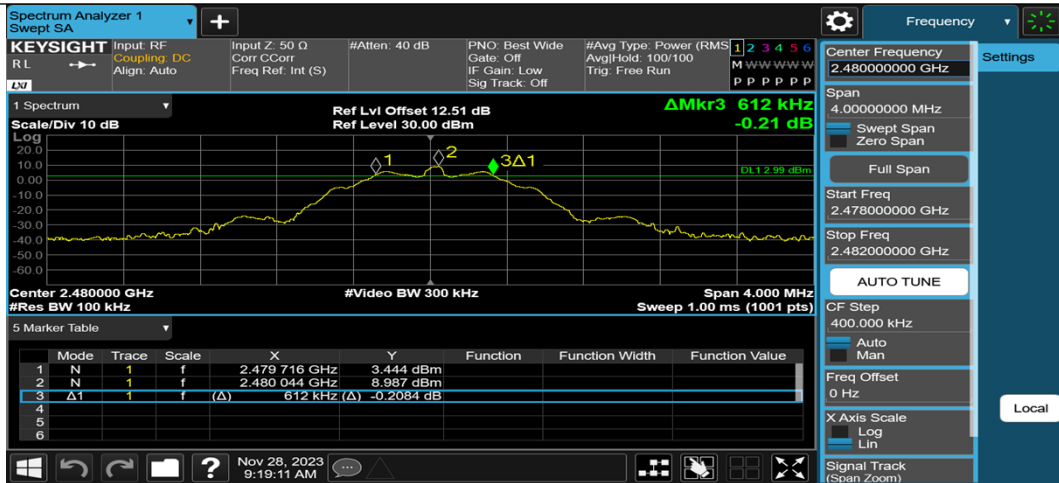
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125K	Ant1	2402	0.628	2401.708	2402.336	0.5	PASS
		2440	0.700	2439.676	2440.376	0.5	PASS
		2480	0.612	2479.716	2480.328	0.5	PASS
BLE_500K	Ant1	2402	0.668	2401.688	2402.356	0.5	PASS
		2440	0.680	2439.688	2440.368	0.5	PASS
		2480	0.700	2479.676	2480.376	0.5	PASS
BLE_1M	Ant1	2402	0.713	2401.663	2402.376	0.5	PASS
		2440	0.713	2439.663	2440.376	0.5	PASS
		2480	0.752	2479.644	2480.396	0.5	PASS
BLE_2M	Ant1	2402	1.228	2401.406	2402.634	0.5	PASS
		2440	1.228	2439.406	2440.634	0.5	PASS
		2480	1.228	2479.406	2480.634	0.5	PASS

Test Graphs



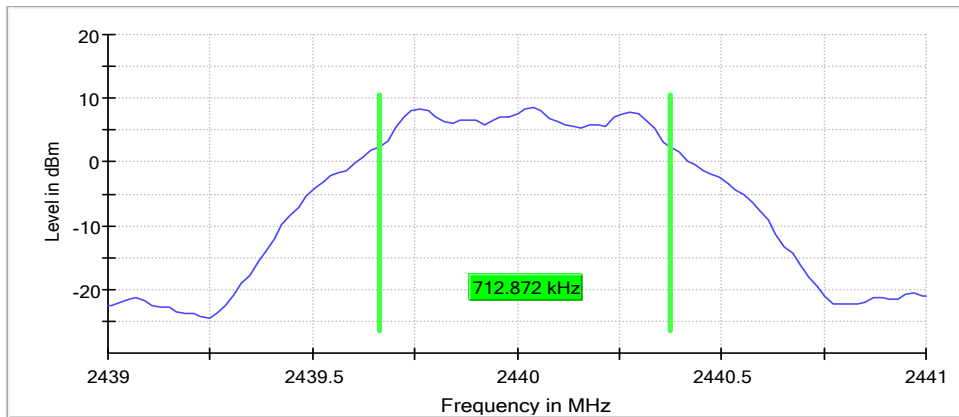
BLE\_125K Ant1\_2480



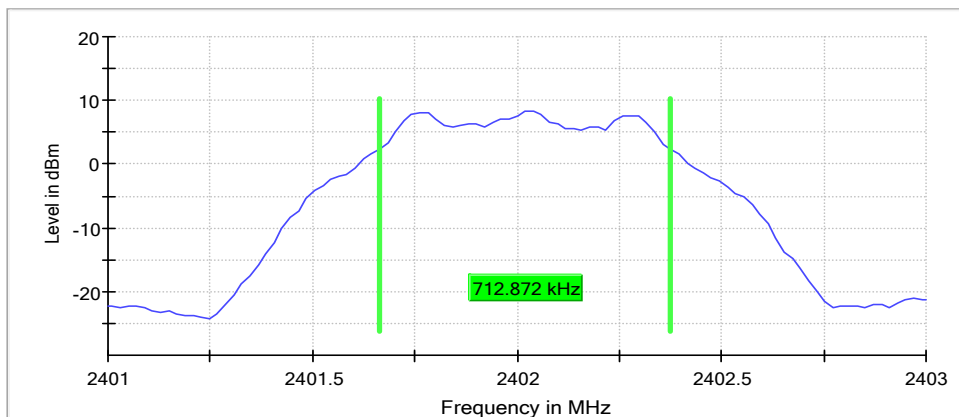




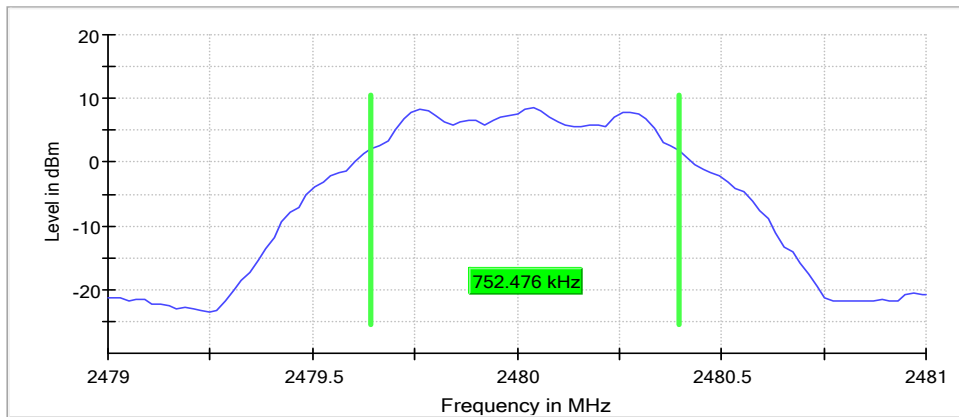
6 dB Bandwidth



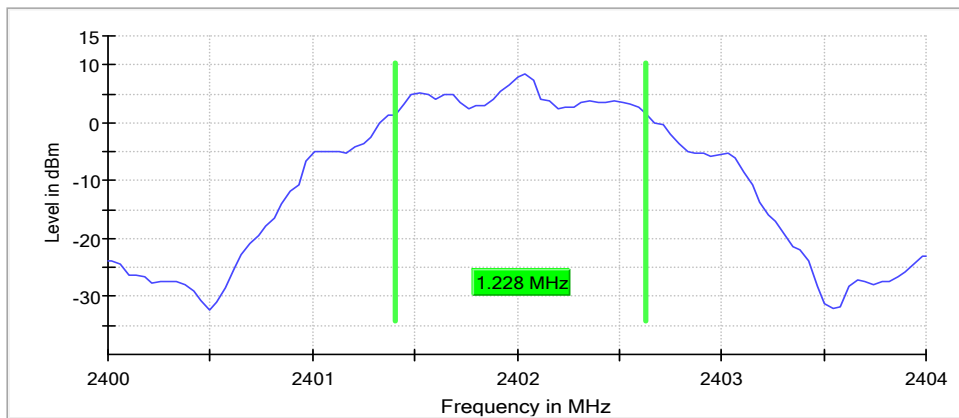
6 dB Bandwidth



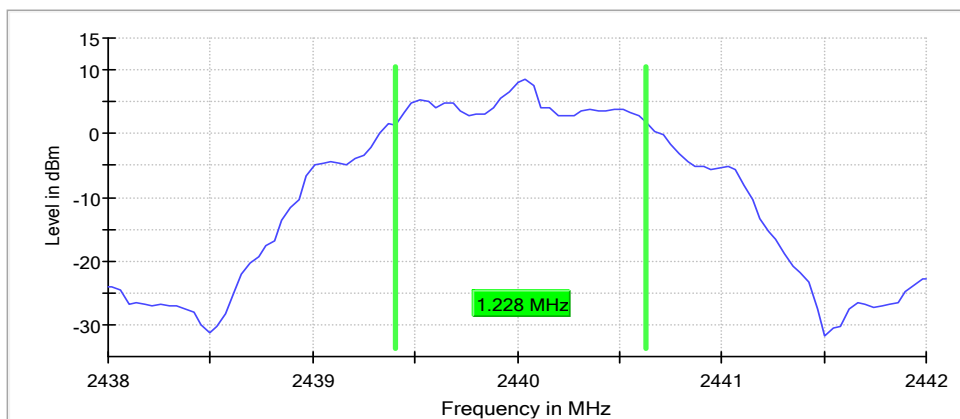
6 dB Bandwidth



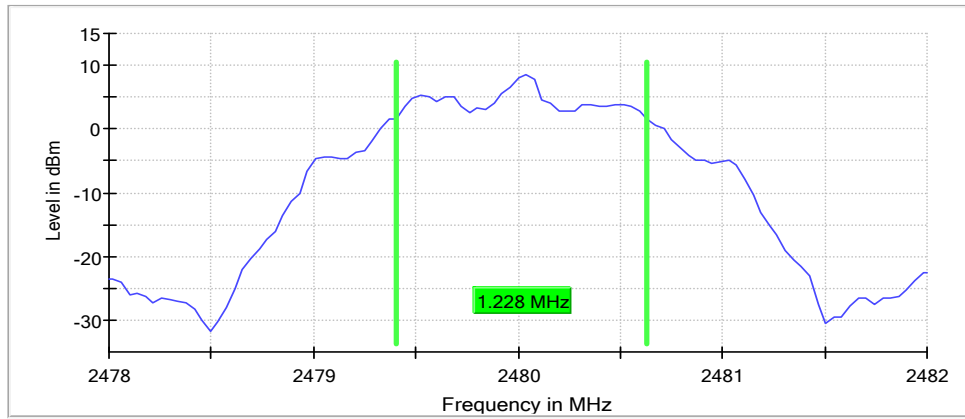
6 dB Bandwidth



6 dB Bandwidth



6 dB Bandwidth



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

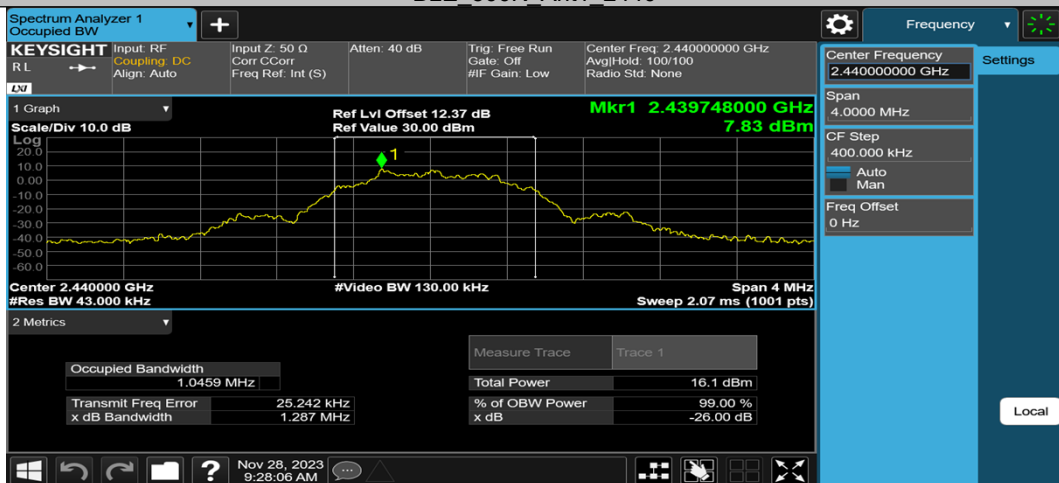
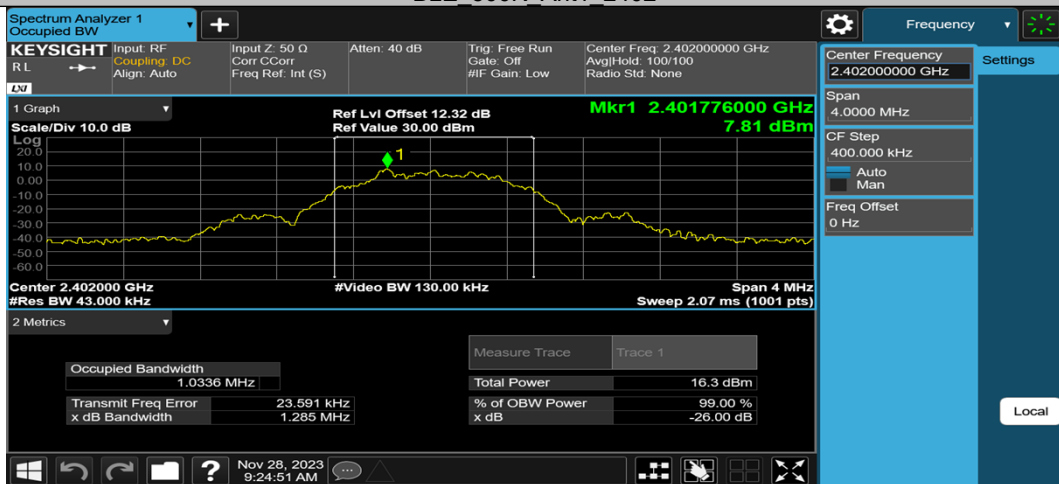
**Test Result**

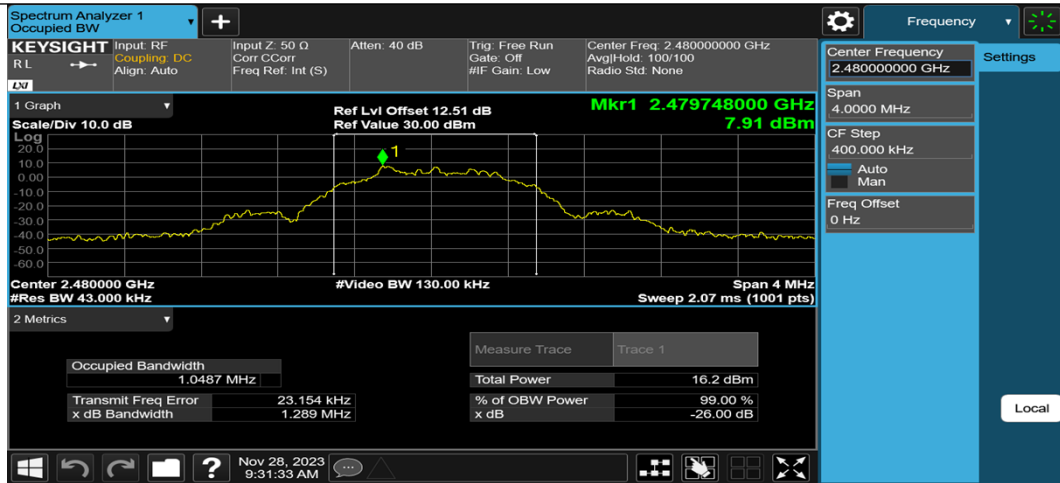
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_125K	Ant1	2402	1.0732	2401.4860	2402.5592	---	---
		2440	1.0662	2439.4873	2440.5535	---	---
		2480	1.0702	2479.4869	2480.5571	---	---
BLE_500K	Ant1	2402	1.0336	2401.5068	2402.5404	---	---
		2440	1.0459	2439.5023	2440.5482	---	---
		2480	1.0487	2479.4988	2480.5475	---	---
BLE_1M	Ant1	2402	1.0400	2401.5125	2402.5525	---	---
		2440	1.0400	2439.5125	2440.5525	---	---
		2480	1.0450	2479.5125	2480.5575	---	---
BLE_2M	Ant1	2402	2.0200	2401.0450	2403.0650	---	---
		2440	2.0300	2439.0350	2441.0650	---	---
		2480	2.0300	2479.0350	2481.0650	---	---

**Test Graphs**

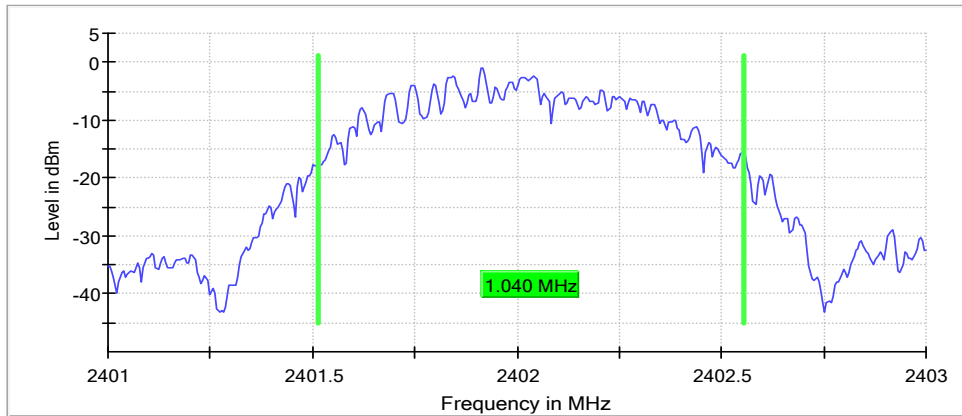


BLE\_125K Ant1\_2480

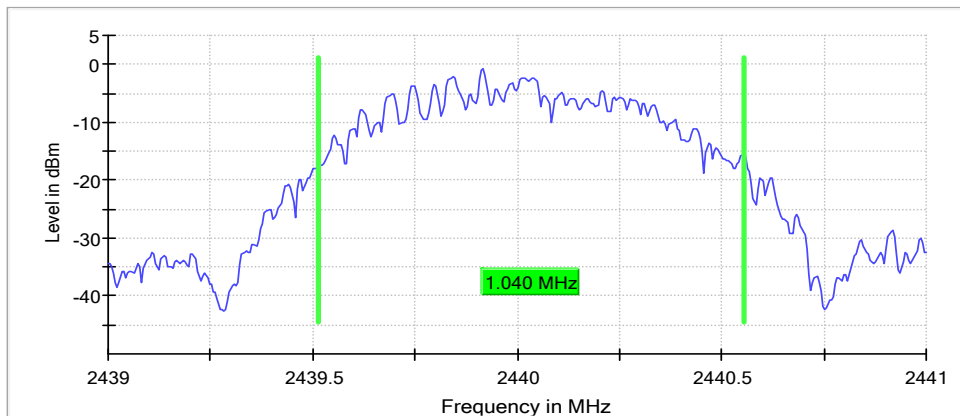




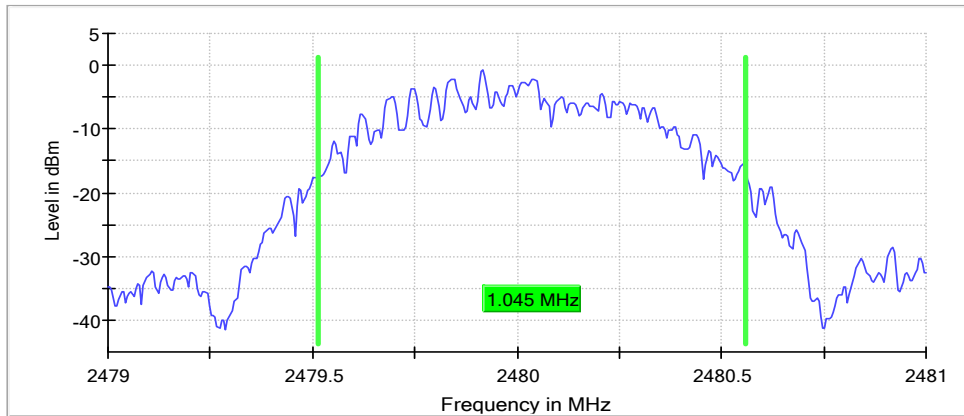
99 % Bandwidth



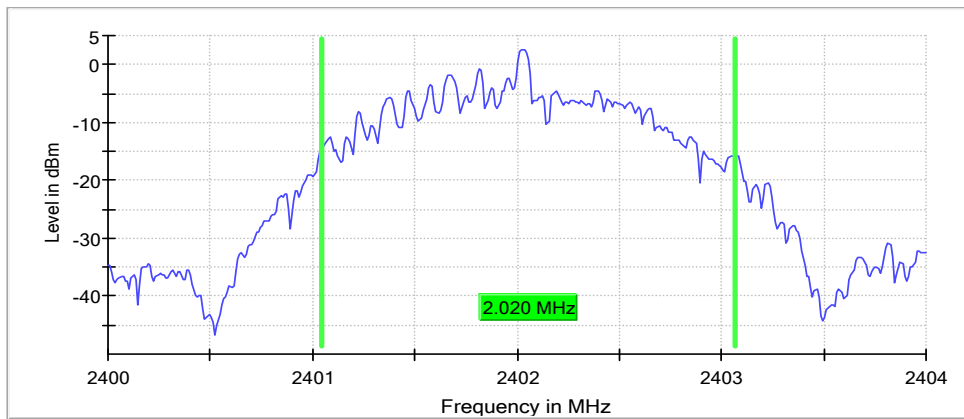
99 % Bandwidth



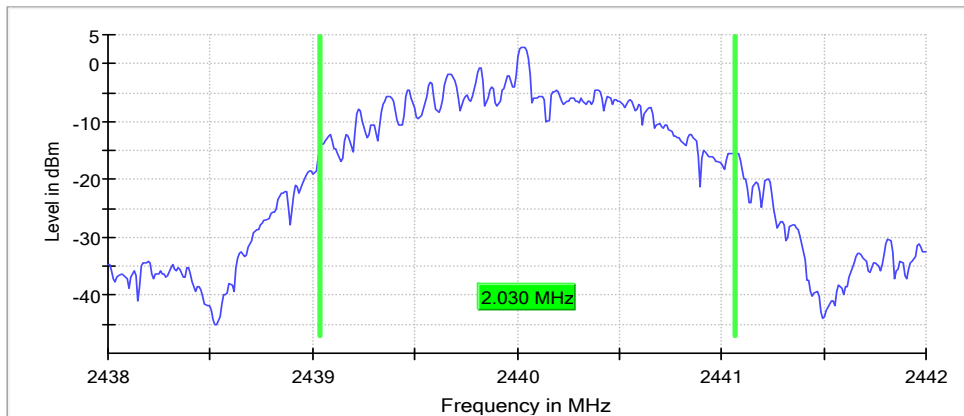
99 % Bandwidth



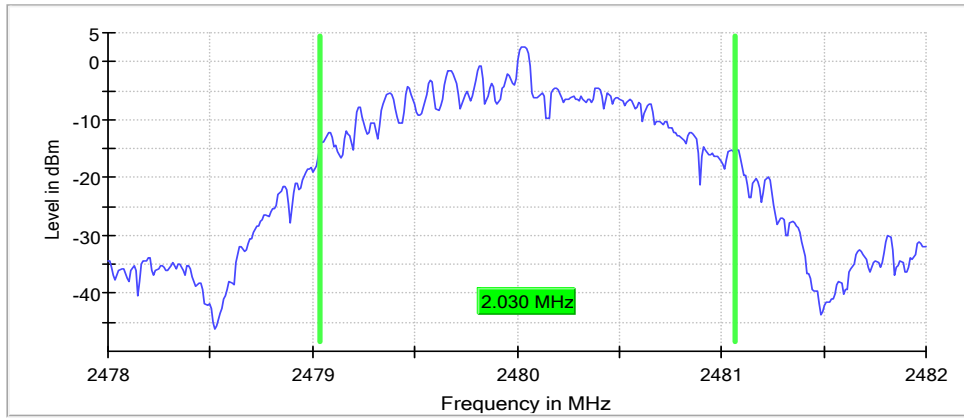
99 % Bandwidth



99 % Bandwidth



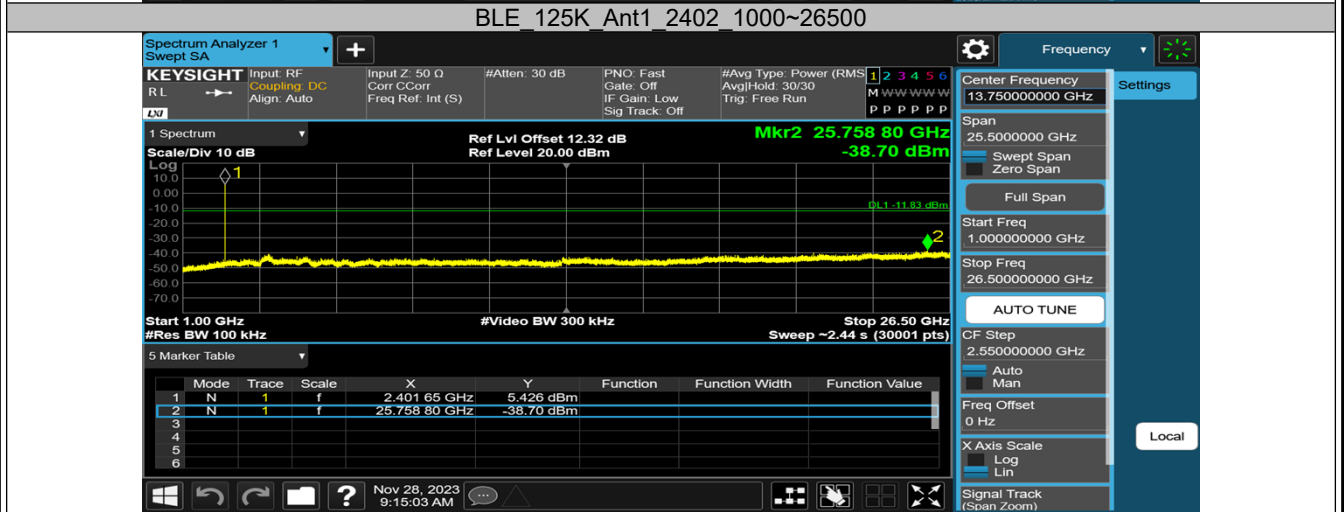
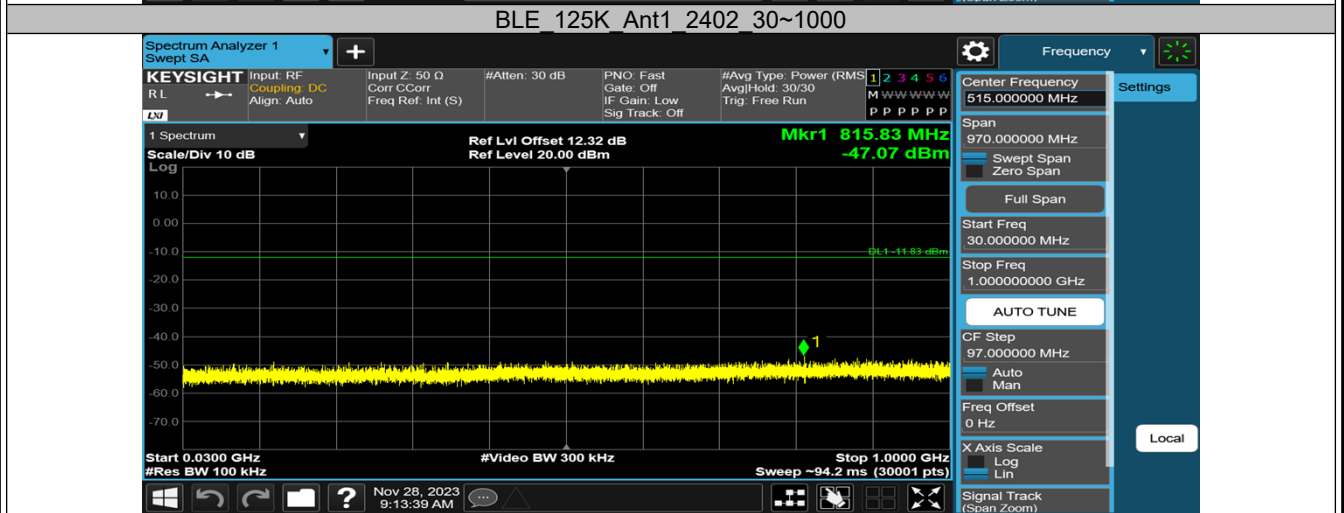
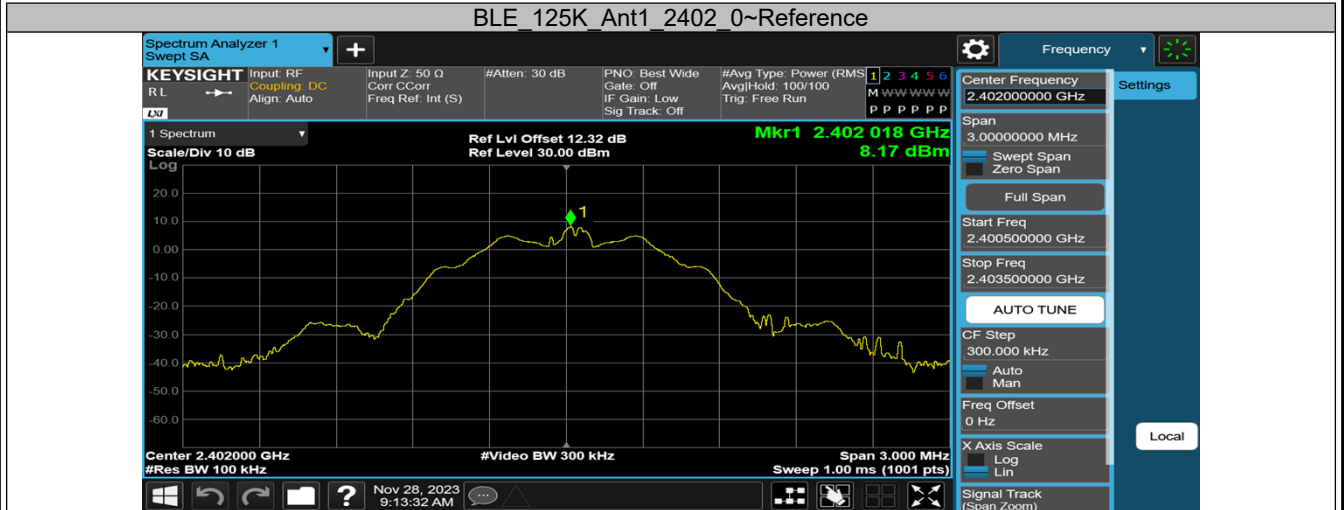
99 % Bandwidth





APPENDIX B.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

BLE\_125K



BLE\_125K\_Ant1\_2440\_0~Reference