Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: Tablet

Test Model: G12

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

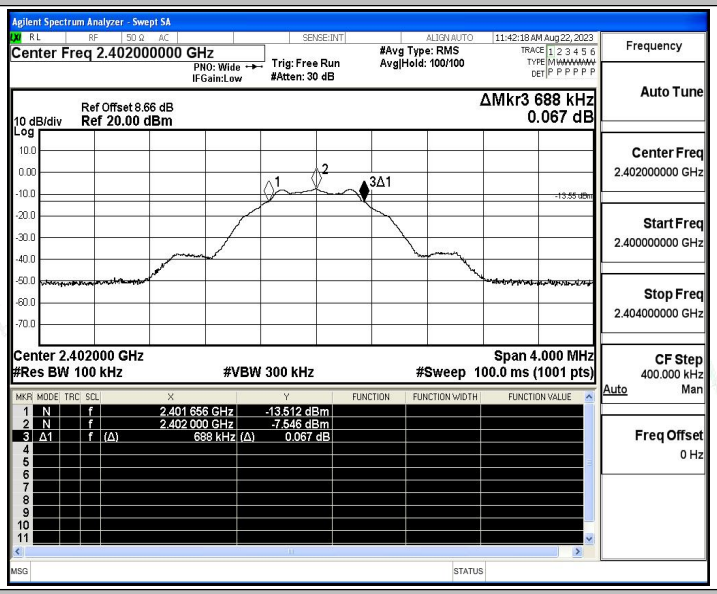
B.1 DTS Bandwidth

Test Result

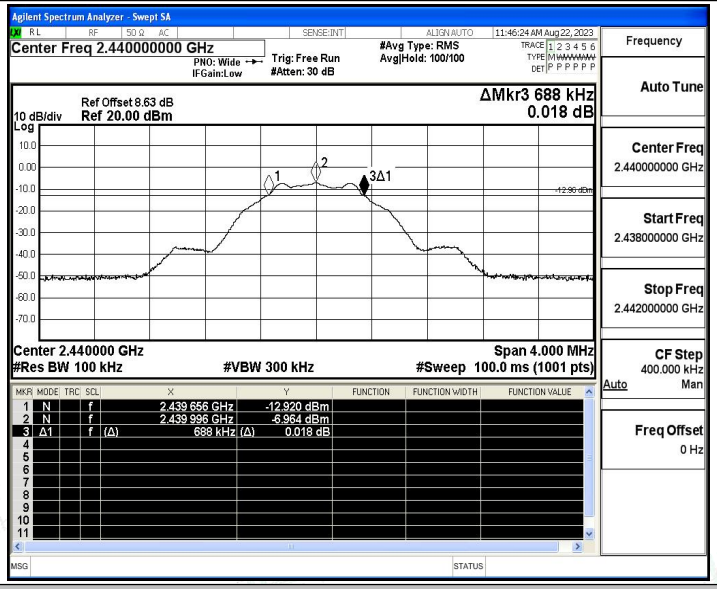
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.656	2402.344	0.5	PASS
		2440	0.688	2439.656	2440.344	0.5	PASS
		2480	0.684	2479.652	2480.336	0.5	PASS
BLE_2M	Ant1	2402	1.140	2401.436	2402.576	0.5	PASS
		2440	1.144	2439.432	2440.576	0.5	PASS
		2480	1.148	2479.428	2480.576	0.5	PASS

Test Graphs

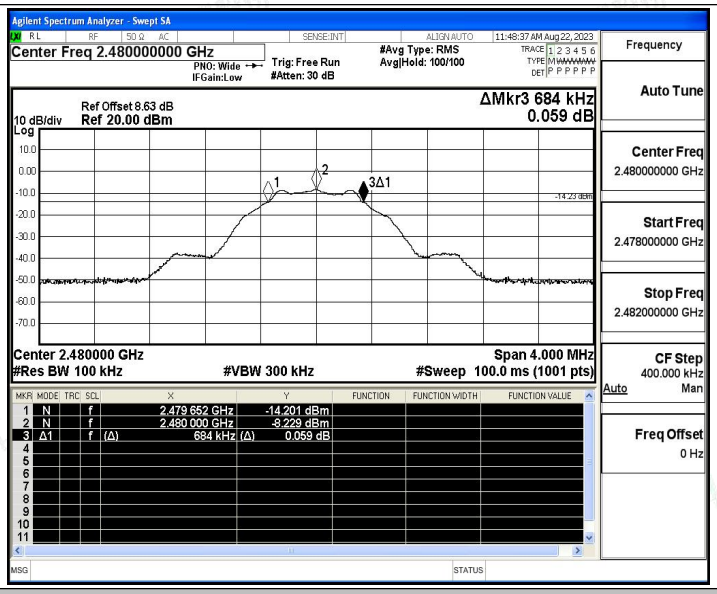
BLE_1M_Ant1_2402



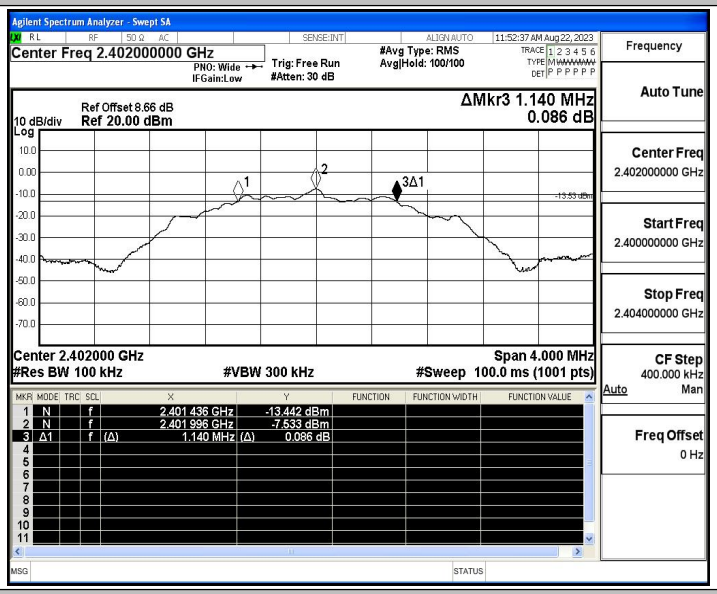
BLE_1M_Ant1_2440



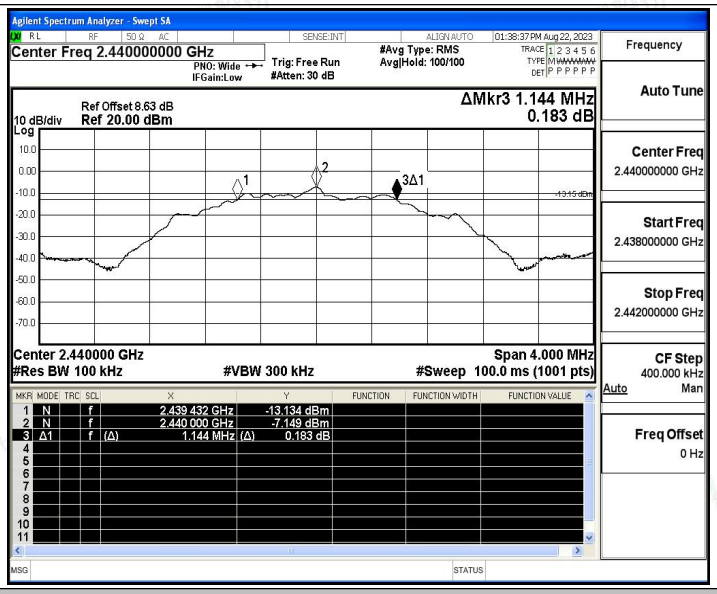
BLE_1M_Ant1_2480



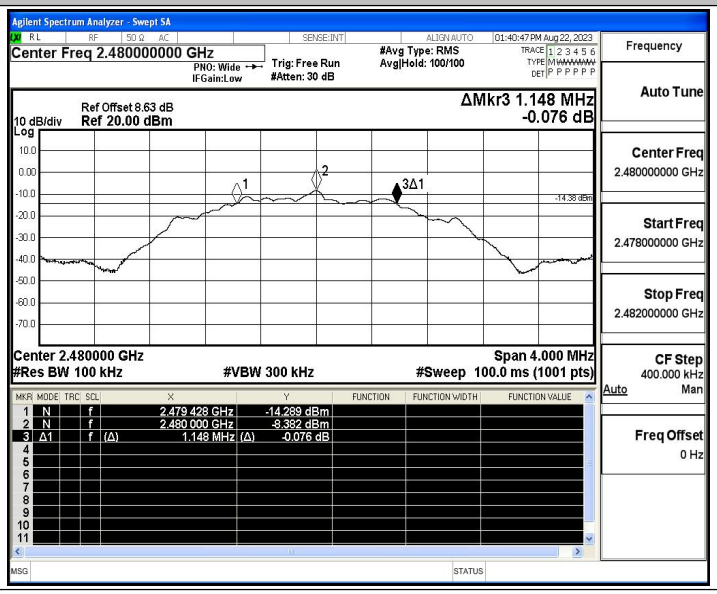
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



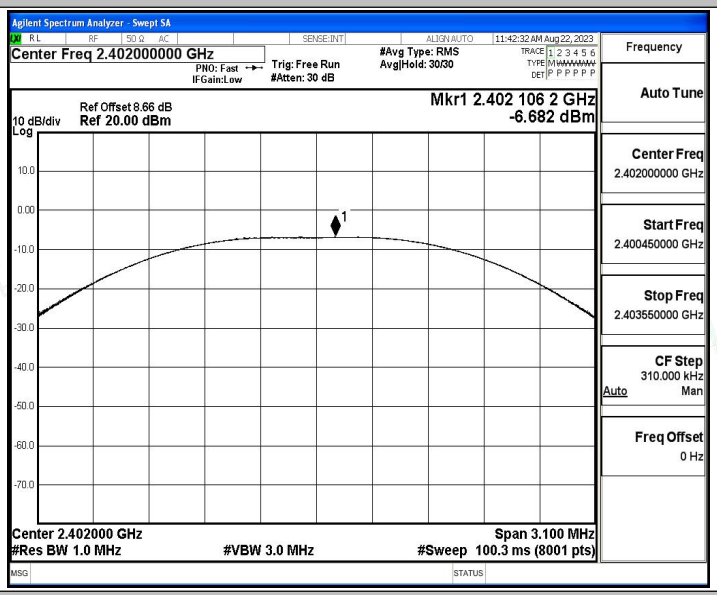
B.2 Maximum conducted output power

Test Result

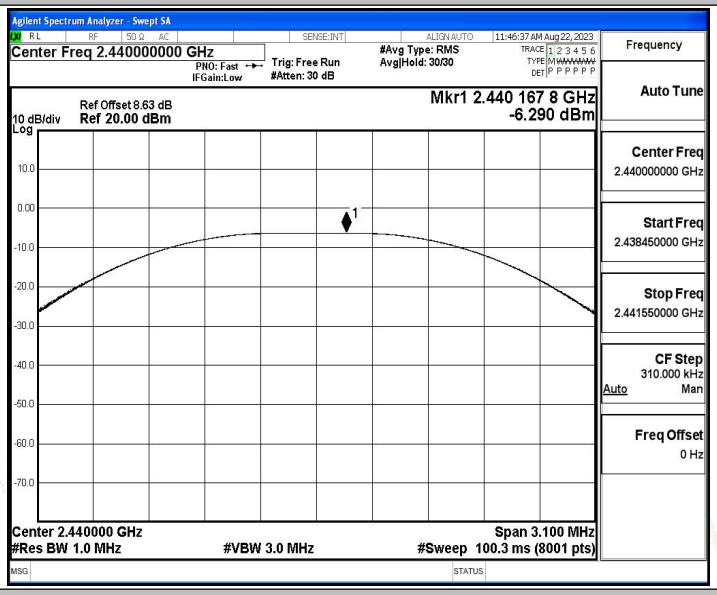
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.68	≤30	PASS
		2440	-6.29	≤30	PASS
		2480	-7.37	≤30	PASS
BLE_2M	Ant1	2402	-6.52	≤30	PASS
		2440	-6.37	≤30	PASS
		2480	-7.55	≤30	PASS

Test Graphs

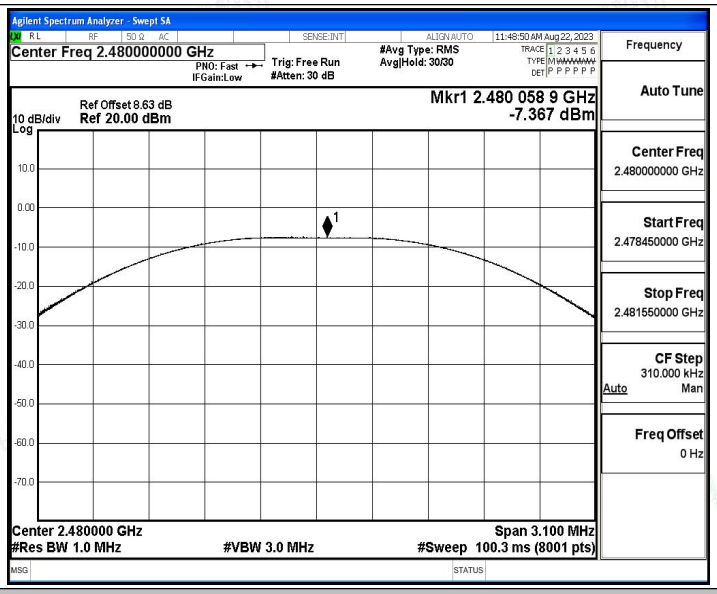
BLE_1M_Ant1_2402



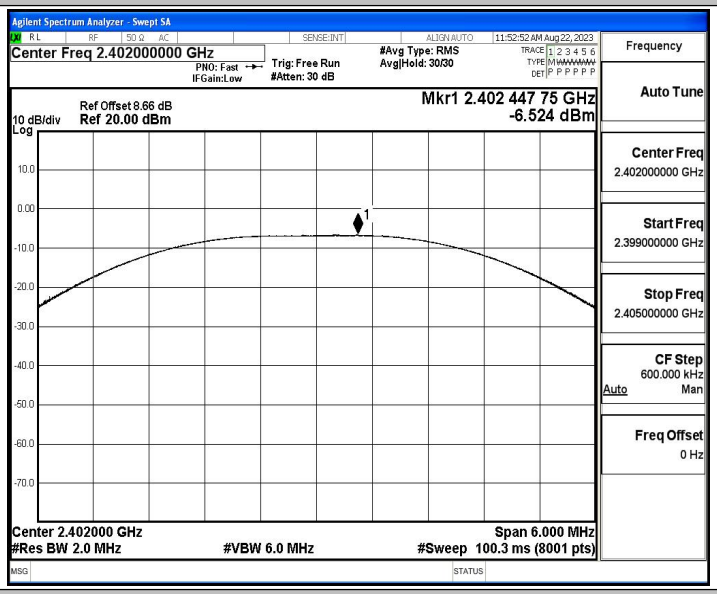
BLE_1M_Ant1_2440



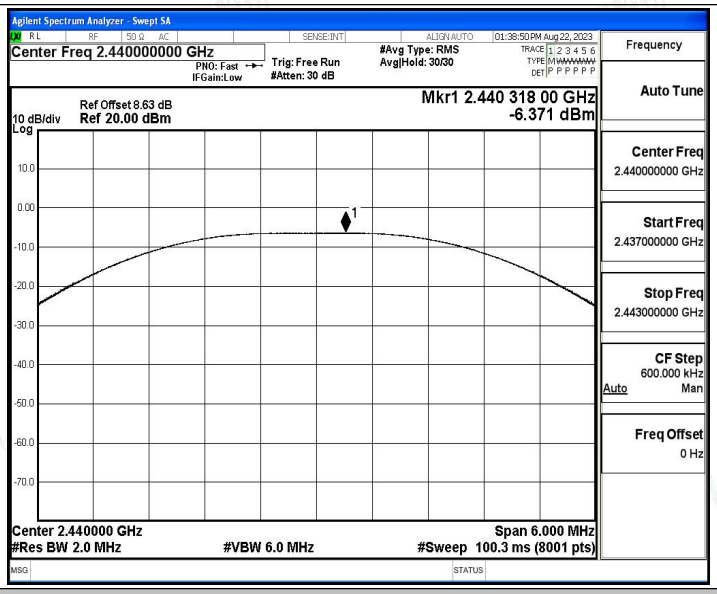
BLE_1M_Ant1_2480



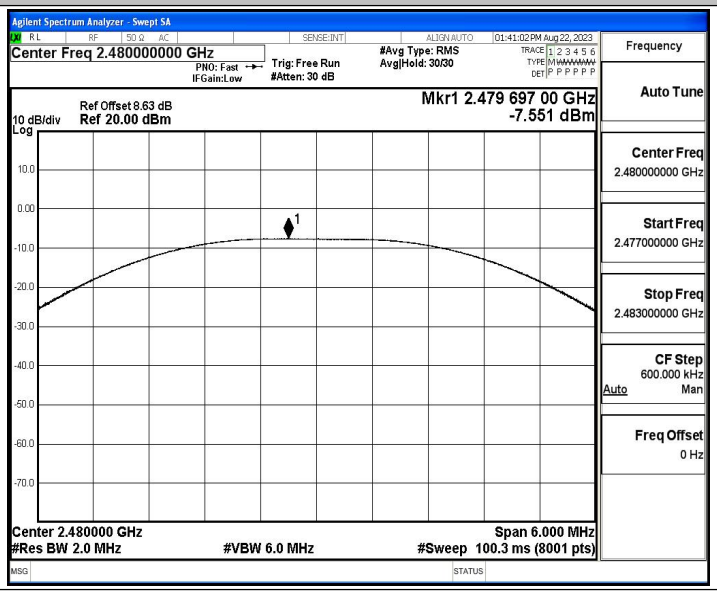
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



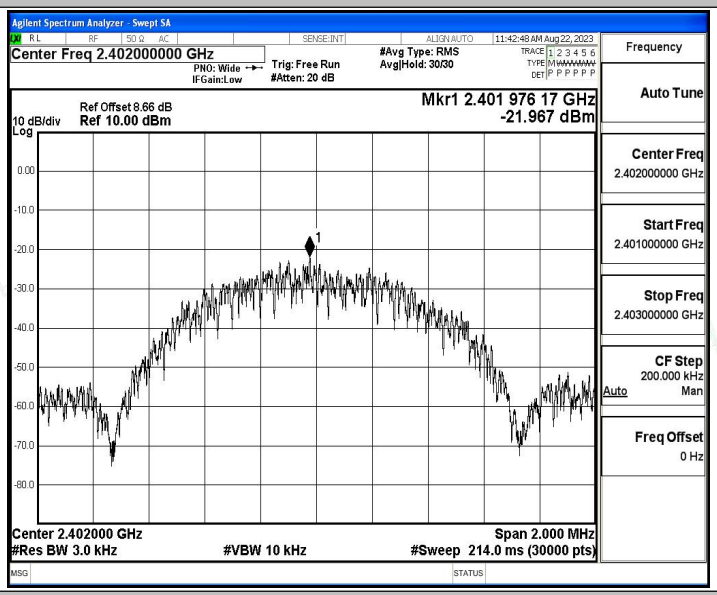
B.3 Maximum power spectral density

Test Result

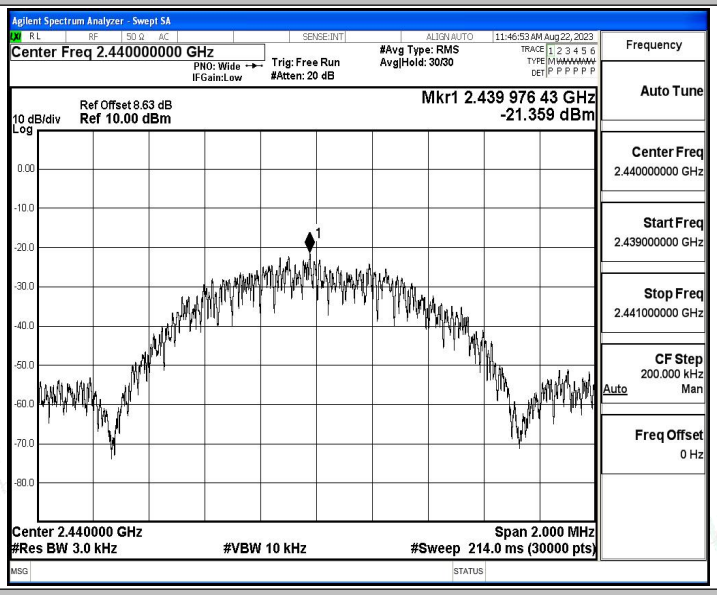
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.97	≤8.00	PASS
		2440	-21.36	≤8.00	PASS
		2480	-22.78	≤8.00	PASS
BLE_2M	Ant1	2402	-24.38	≤8.00	PASS
		2440	-23.77	≤8.00	PASS
		2480	-25.07	≤8.00	PASS

Test Graphs

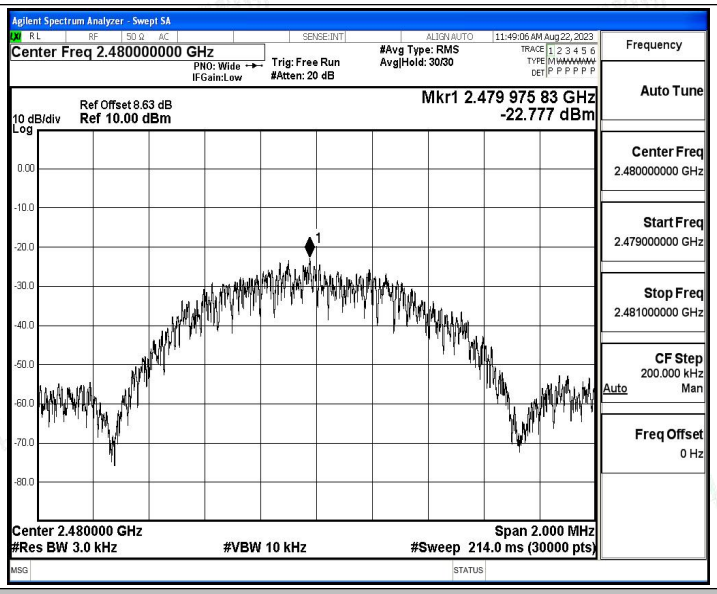
BLE_1M_Ant1_2402



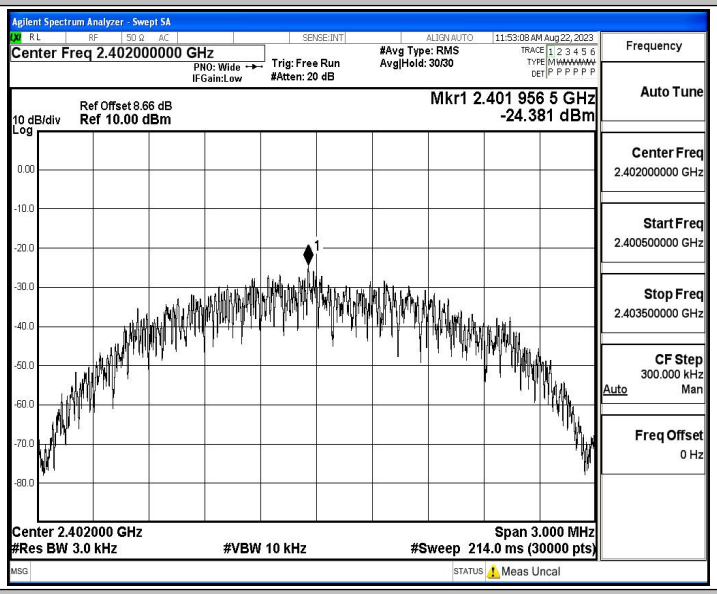
BLE_1M_Ant1_2440



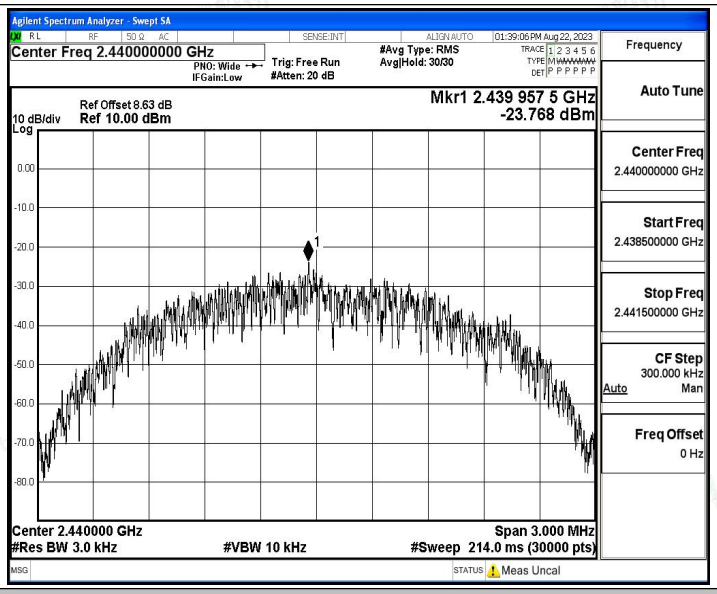
BLE_1M_Ant1_2480



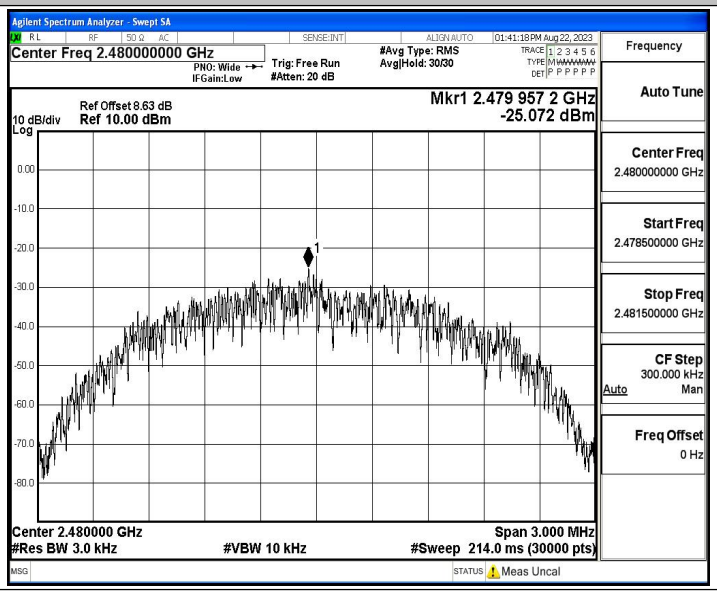
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



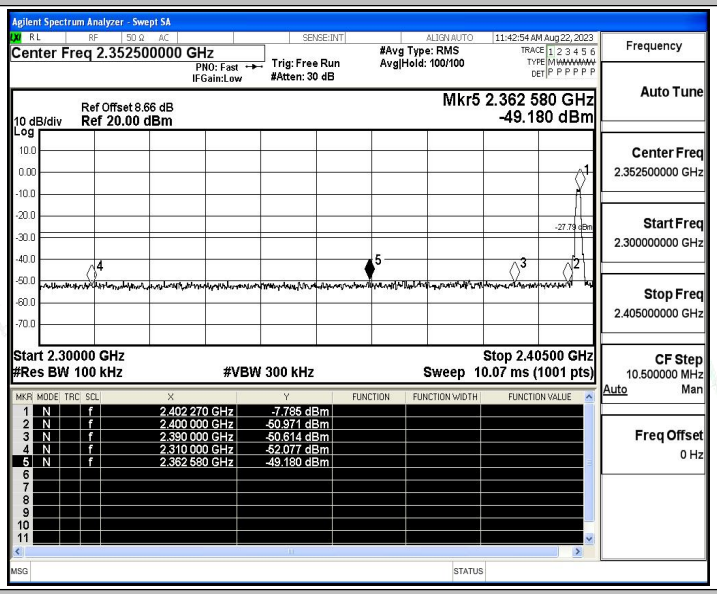
B.4 Band edge measurements

Test Result

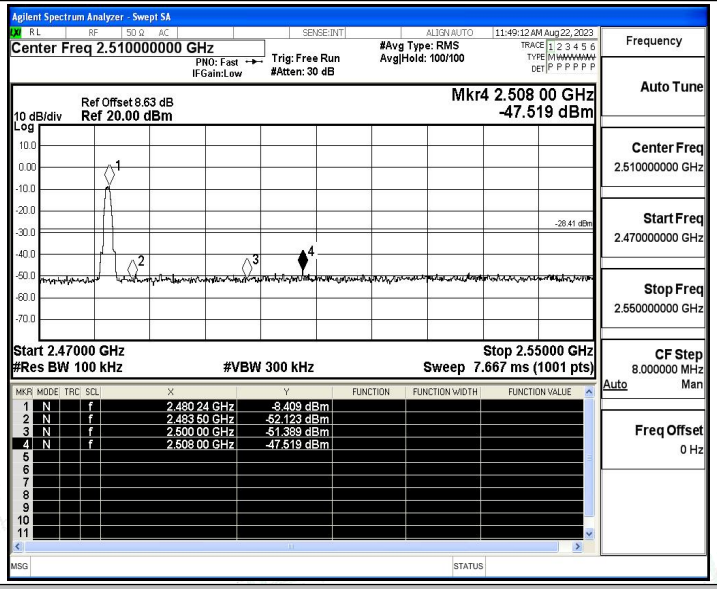
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.79	-49.18	≤-27.79	PASS
		High	2480	-8.41	-47.52	≤-28.41	PASS
BLE_2M	Ant1	Low	2402	-7.53	-38.45	≤-27.53	PASS
		High	2480	-8.37	-47.95	≤-28.37	PASS

Test Graphs

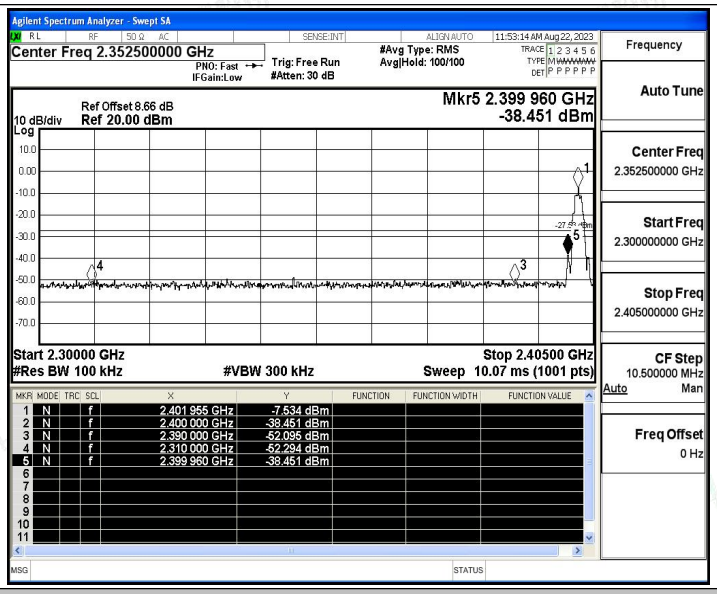
BLE_1M_Ant1_Low_2402



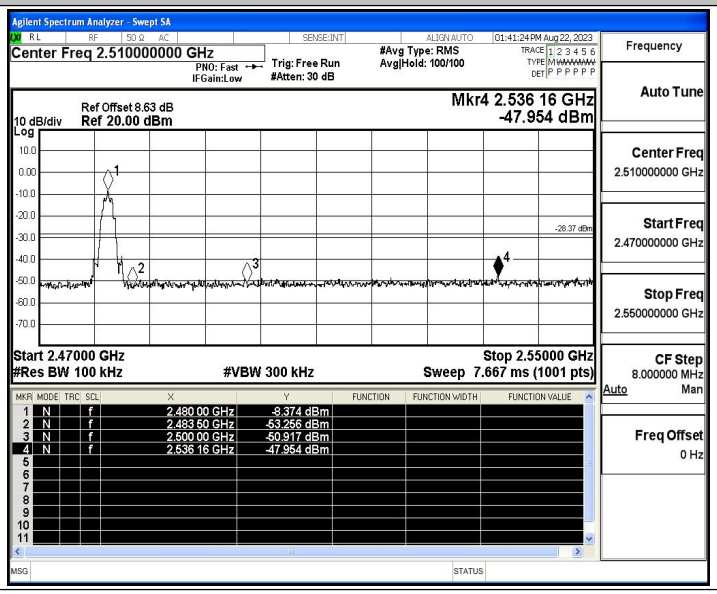
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



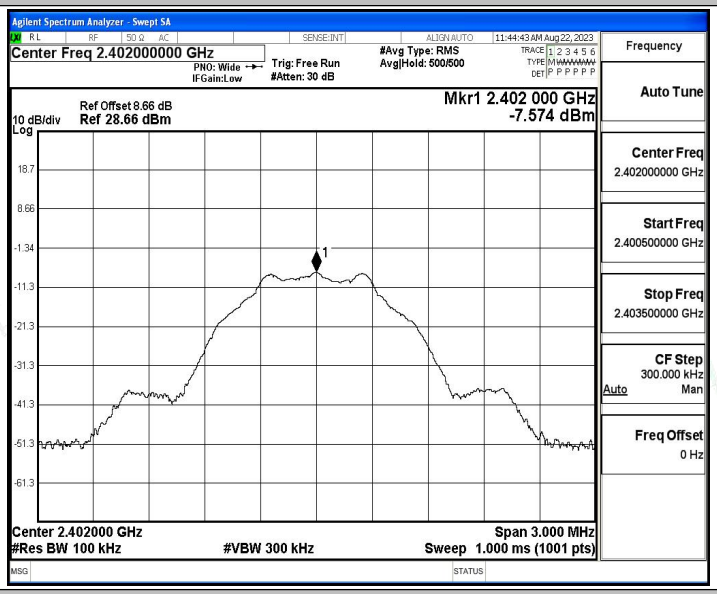
B.5 Conducted Spurious Emission

Test Result

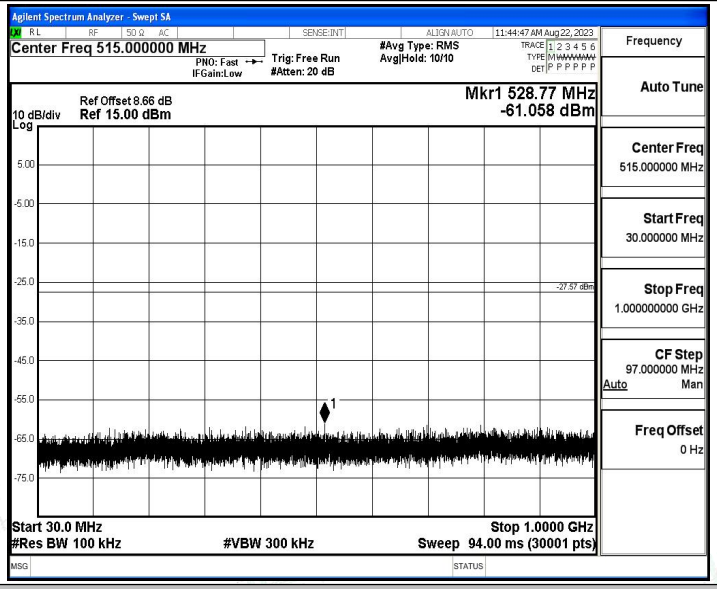
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-7.57	-7.57	---	PASS
			30~1000	-7.57	-61.06	≤-27.57	PASS
			1000~26500	-7.57	-46.77	≤-27.57	PASS
		2440	Reference	-6.98	-6.98	---	PASS
			30~1000	-6.98	-61.16	≤-26.98	PASS
			1000~26500	-6.98	-46.32	≤-26.98	PASS
		2480	Reference	-8.23	-8.23	---	PASS
			30~1000	-8.23	-60.9	≤-28.23	PASS
			1000~26500	-8.23	-46.88	≤-28.23	PASS
BLE_2M	Ant1	2402	Reference	-7.72	-7.72	---	PASS
			30~1000	-7.72	-61.49	≤-27.72	PASS
			1000~26500	-7.72	-45.78	≤-27.72	PASS
		2440	Reference	-7.15	-7.15	---	PASS
			30~1000	-7.15	-60.8	≤-27.15	PASS
			1000~26500	-7.15	-46.44	≤-27.15	PASS
		2480	Reference	-8.46	-8.46	---	PASS
			30~1000	-8.46	-61.37	≤-28.46	PASS
			1000~26500	-8.46	-46.49	≤-28.46	PASS

Test Graphs

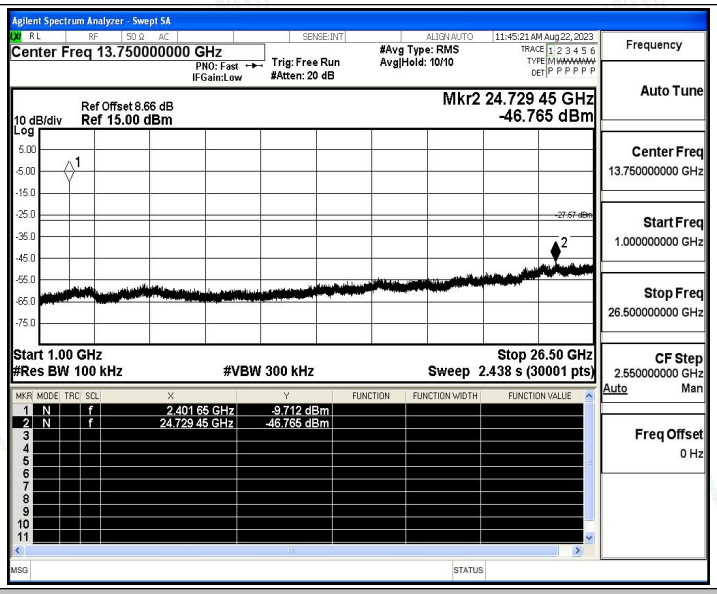
BLE_1M_Ant1_2402_0~Reference



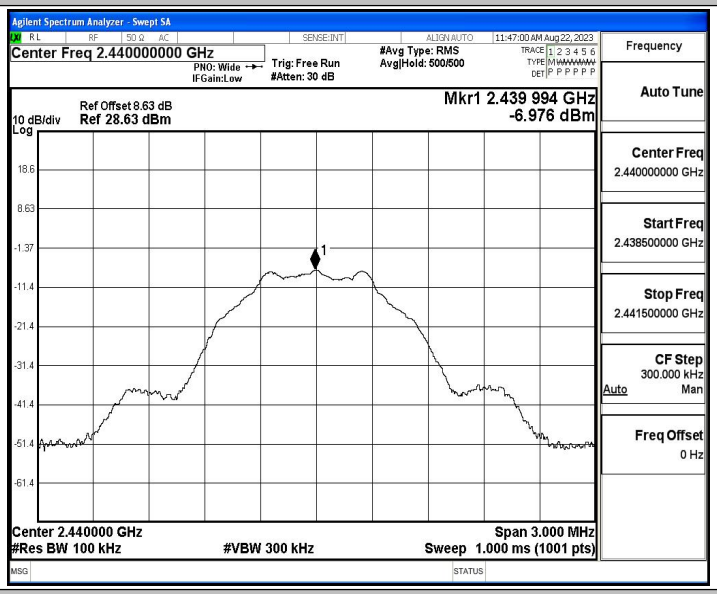
BLE_1M_Ant1_2402_30~1000



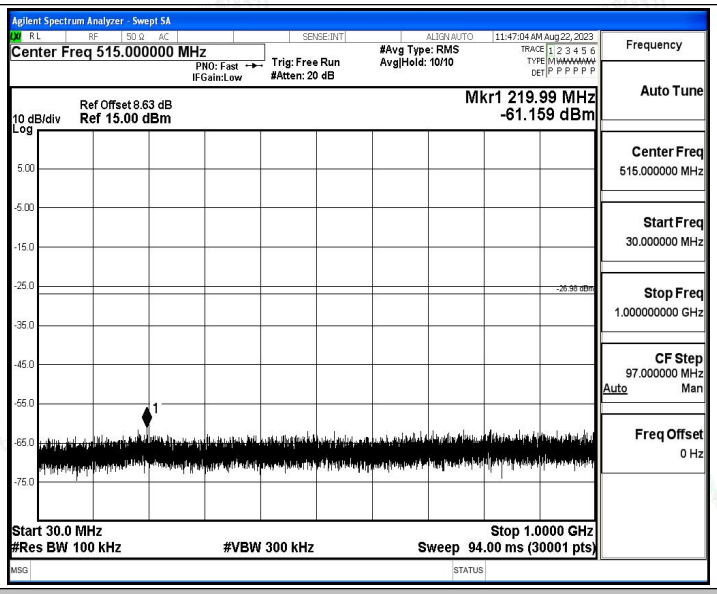
BLE_1M_Ant1_2402_1000~26500



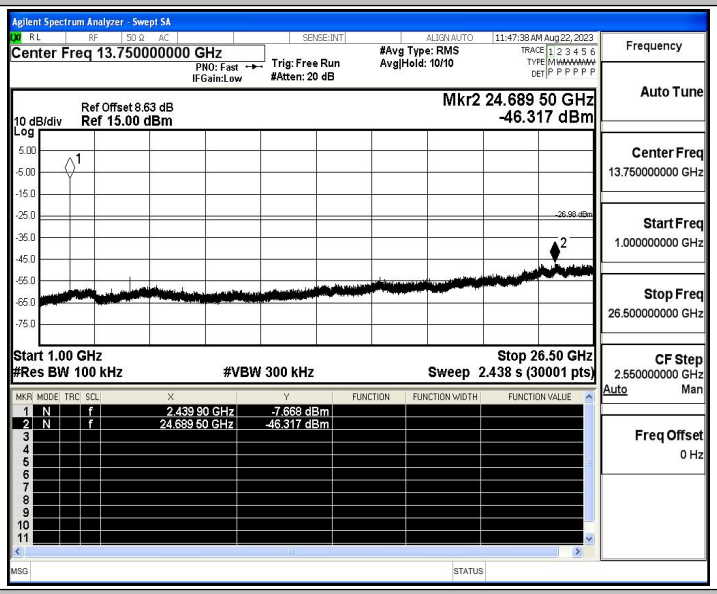
BLE_1M_Ant1_2440_0~Reference



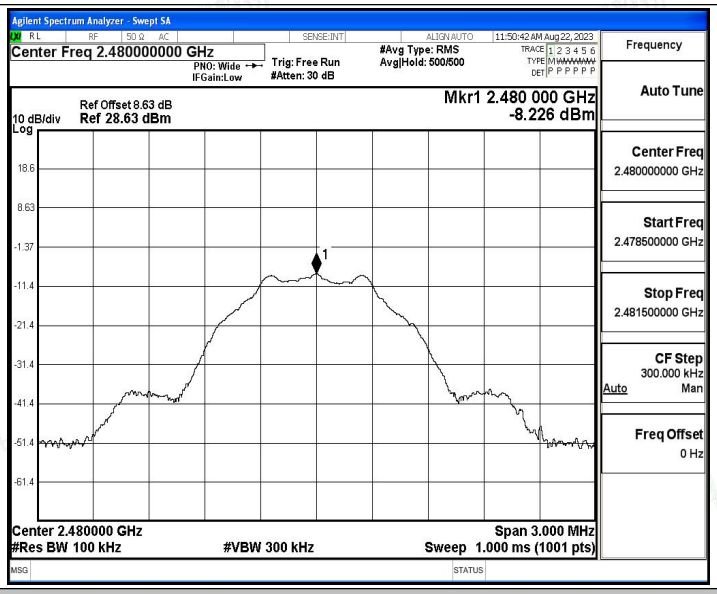
BLE_1M_Ant1_2440_30~1000



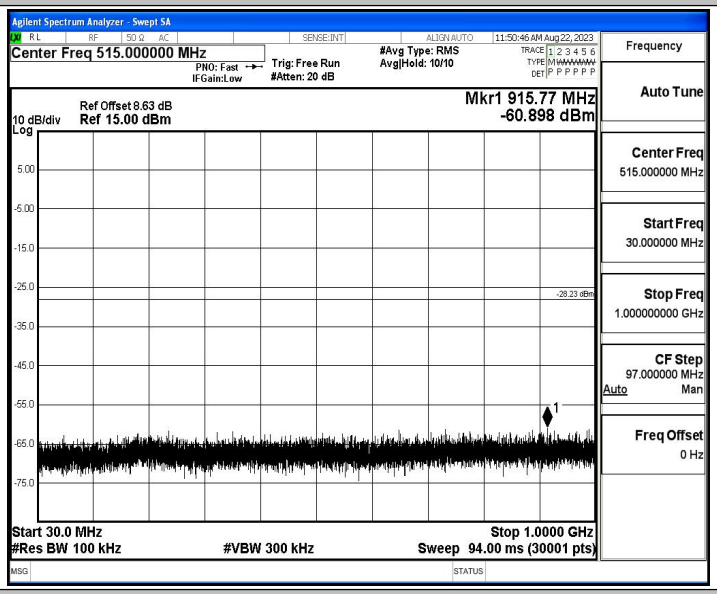
BLE_1M_Ant1_2440_1000~26500



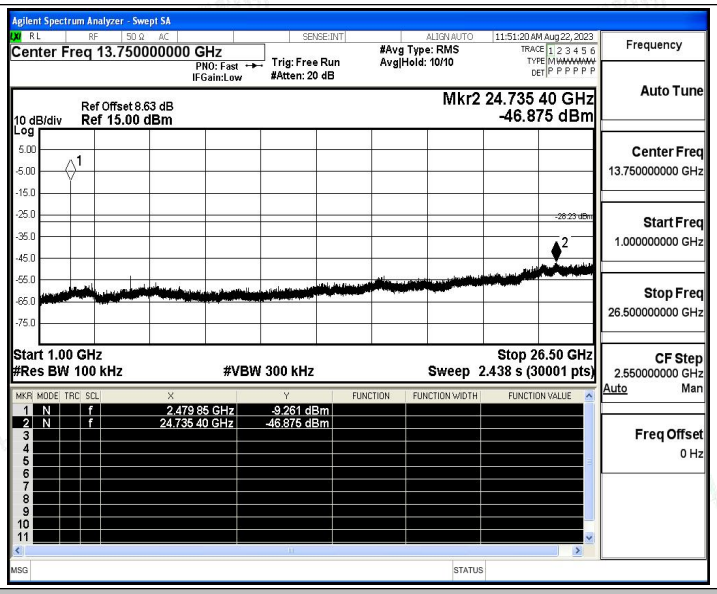
BLE_1M_Ant1_2480_0~Reference



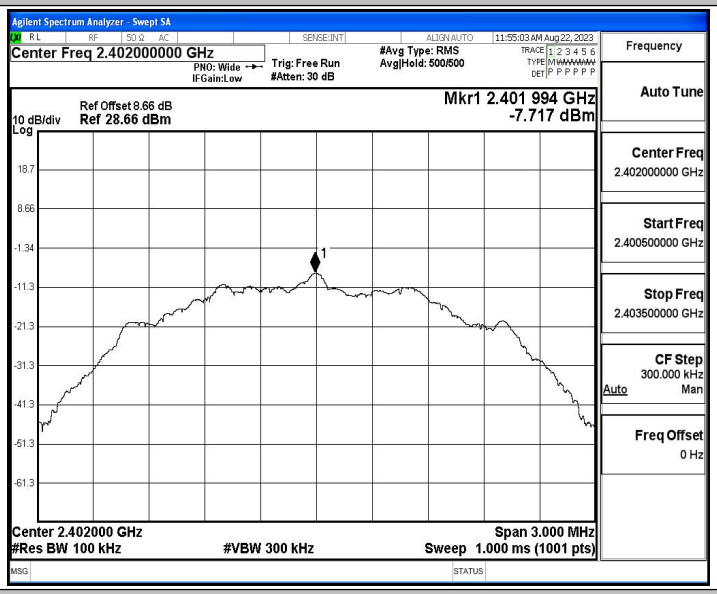
BLE_1M_Ant1_2480_30~1000



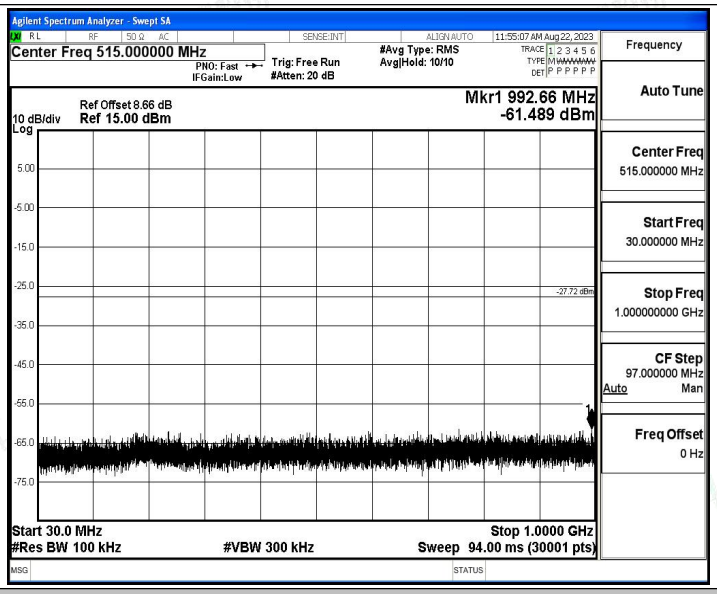
BLE_1M_Ant1_2480_1000~26500



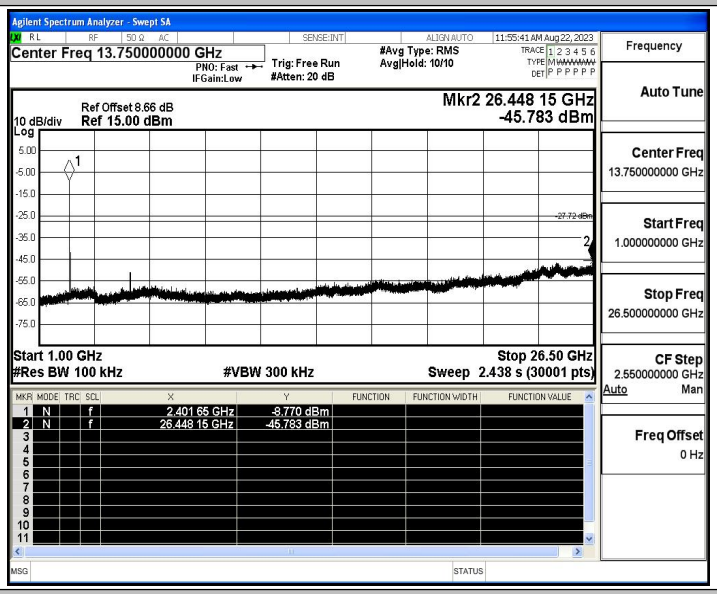
BLE_2M_Ant1_2402_0~Reference



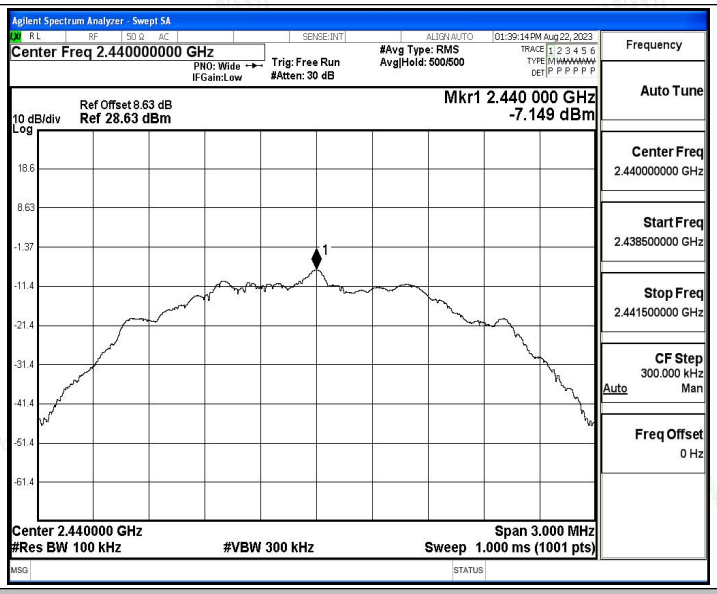
BLE_2M_Ant1_2402_30~1000



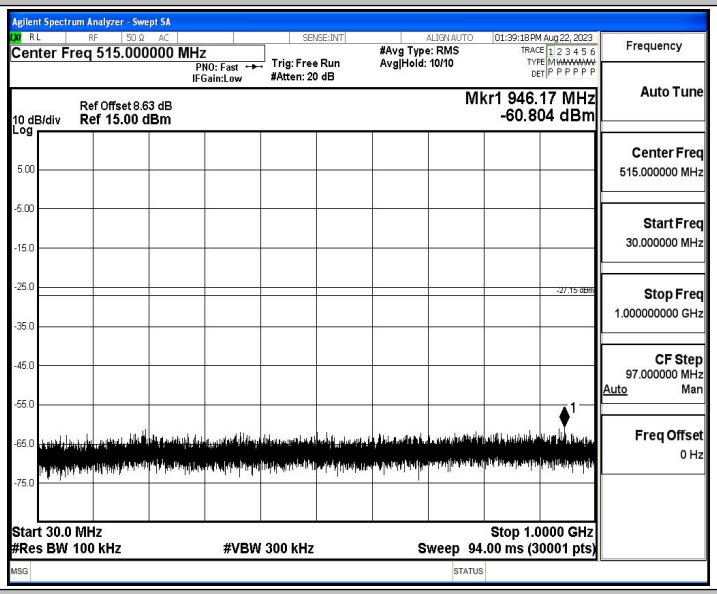
BLE_2M_Ant1_2402_1000~26500



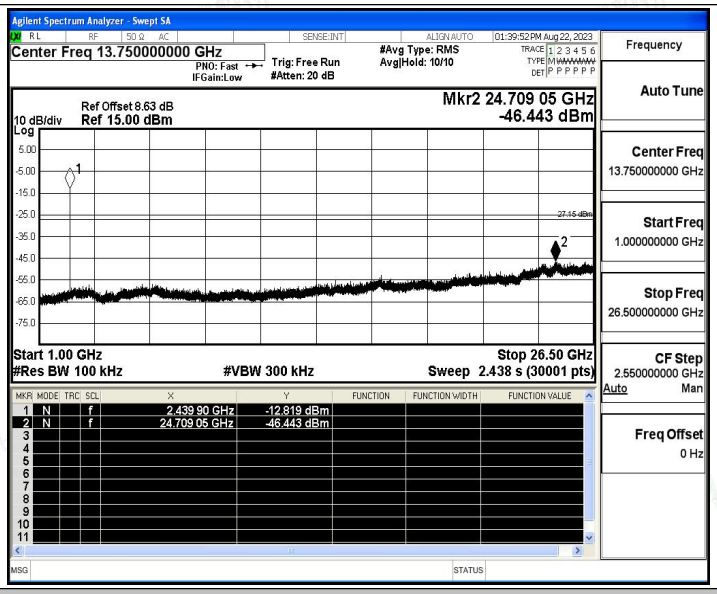
BLE_2M_Ant1_2440_0~Reference



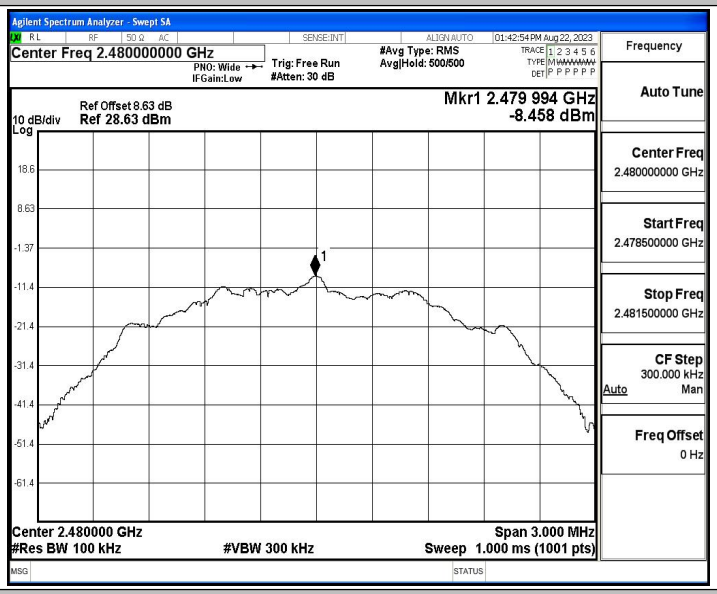
BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000