

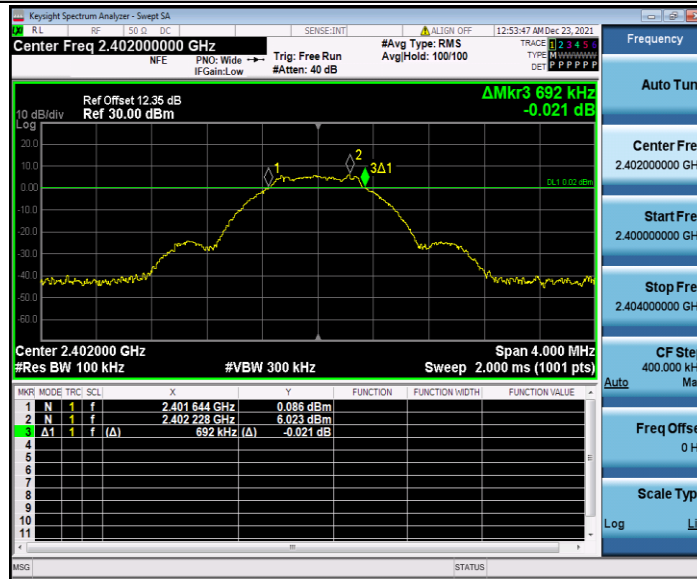
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.644	2402.336	0.5	PASS
		2440	0.664	2439.668	2440.332	0.5	PASS
		2480	0.672	2479.660	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.212	2401.344	2402.556	0.5	PASS
		2440	1.236	2439.344	2440.580	0.5	PASS
		2480	1.216	2479.360	2480.576	0.5	PASS

Test Graphs

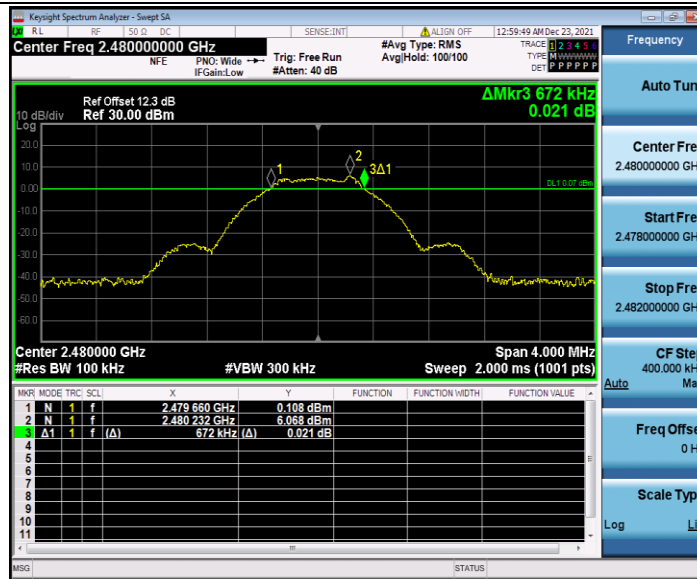
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0298	2401.483	2402.512	---	PASS
		2440	1.0436	2439.477	2440.521	---	PASS
		2480	1.0332	2479.477	2480.511	---	PASS
BLE_2M	Ant1	2402	2.0677	2400.977	2403.044	---	PASS
		2440	2.0720	2438.974	2441.046	---	PASS
		2480	2.0598	2478.979	2481.039	---	PASS

Test Graphs

BLE_1M_Ant1_2402



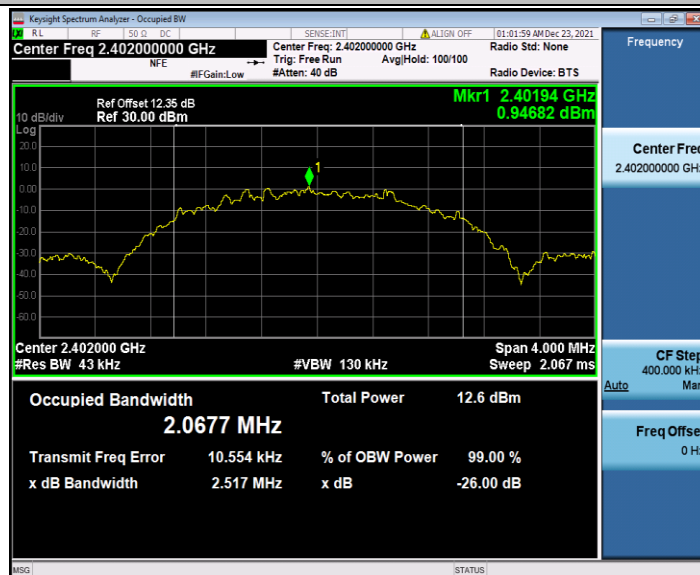
BLE_1M_Ant1_2440



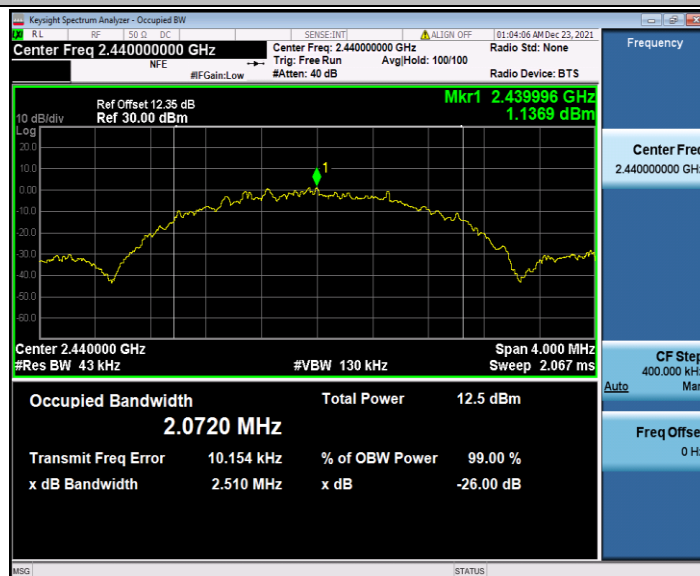
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



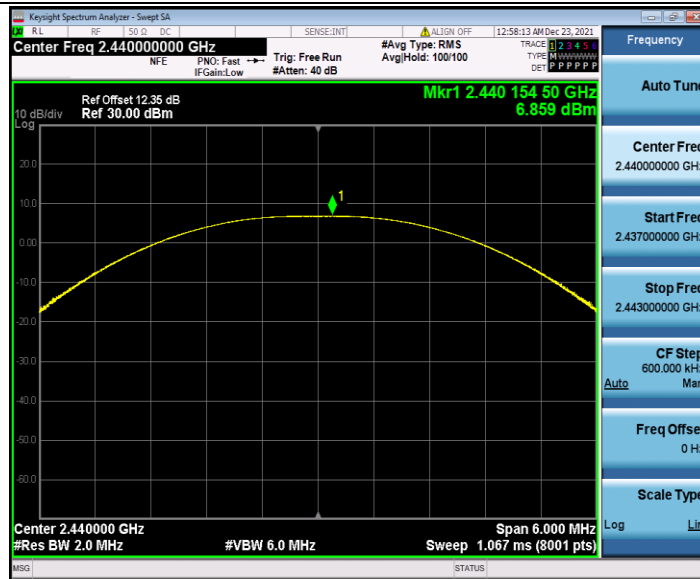
Appendix C: Maximum conducted output power

Test Result Peak

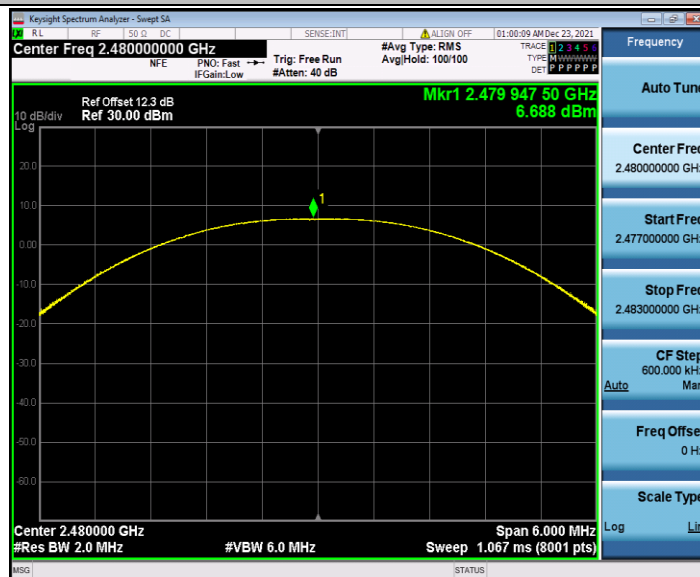
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.84	≤30	7.54	≤36	PASS
		2440	6.86	≤30	7.56	≤36	PASS
		2480	6.69	≤30	7.39	≤36	PASS
BLE_2M	Ant1	2402	6.77	≤30	7.47	≤36	PASS
		2440	6.86	≤30	7.56	≤36	PASS
		2480	6.71	≤30	7.41	≤36	PASS

Test Graphs Peak

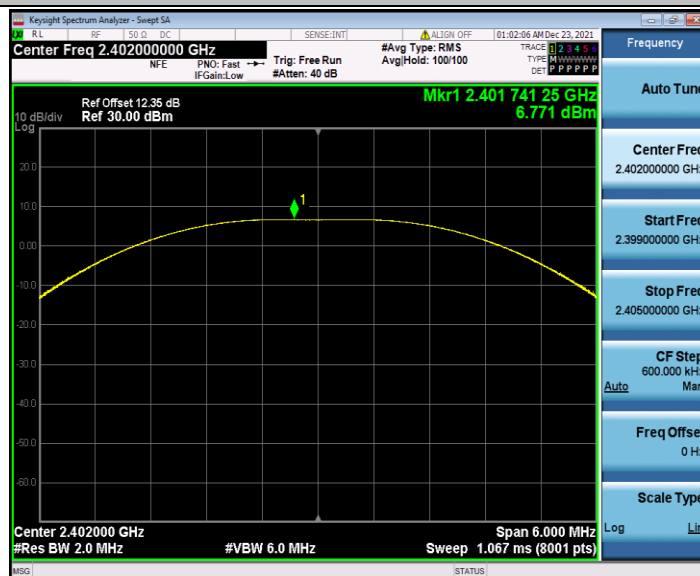




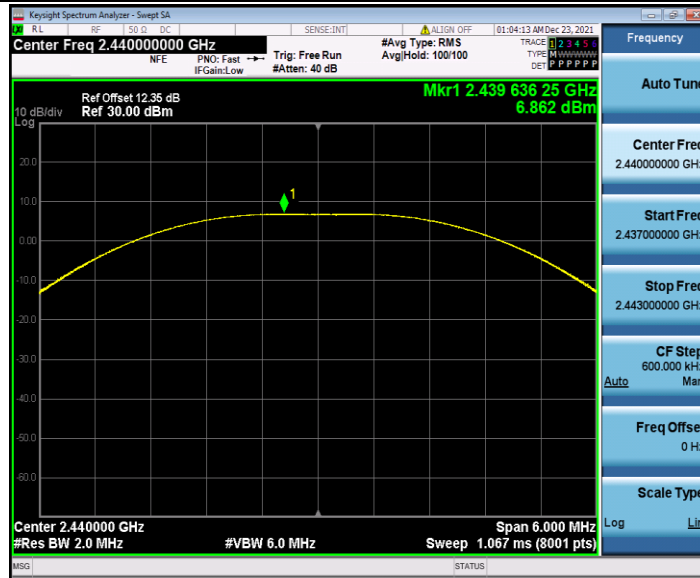
BLE_1M_Ant1_2480



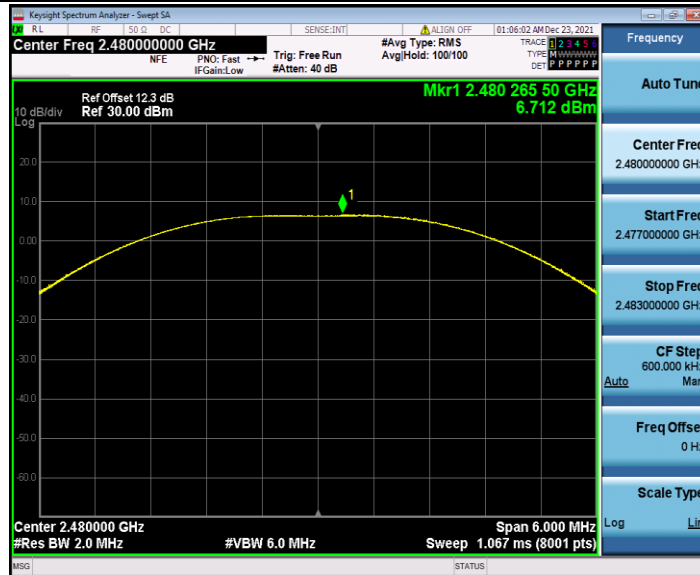
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



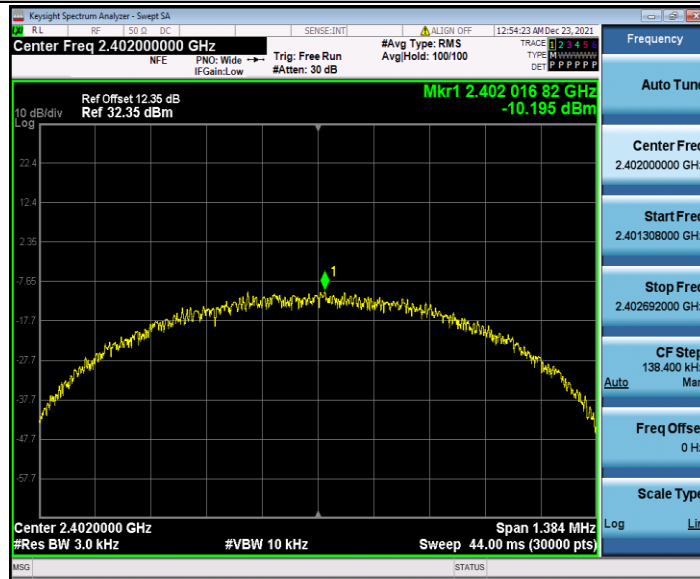
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.2	≤8	PASS
		2440	-10.1	≤8	PASS
		2480	-10.56	≤8	PASS
BLE_2M	Ant1	2402	-12.19	≤8	PASS
		2440	-11.98	≤8	PASS
		2480	-12.42	≤8	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



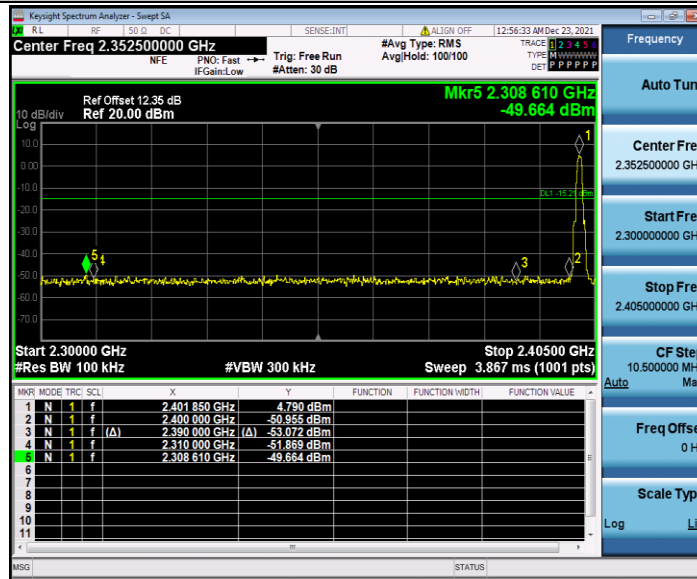
Appendix E: Band edge measurements

Test Result

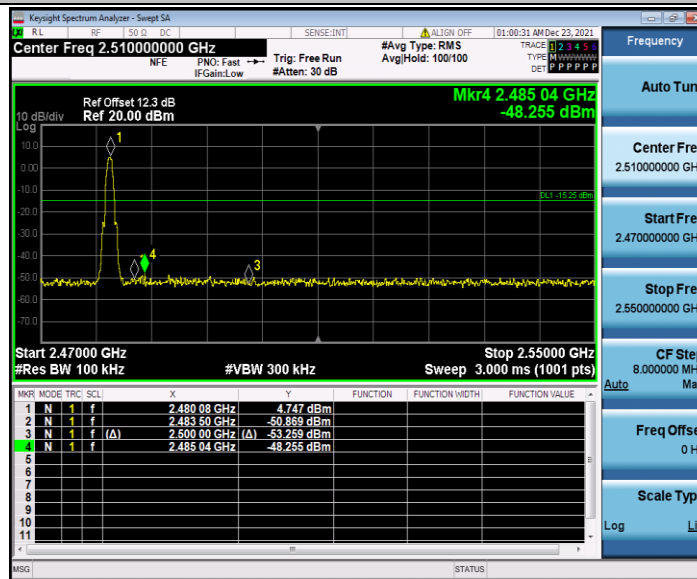
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.79	-49.66	≤-15.21	PASS
		High	2480	4.75	-48.26	≤-15.25	PASS
BLE_2M	Ant1	Low	2402	3.41	-28.41	≤-16.59	PASS
		High	2480	5.26	-48.86	≤-14.74	PASS

Test Graphs

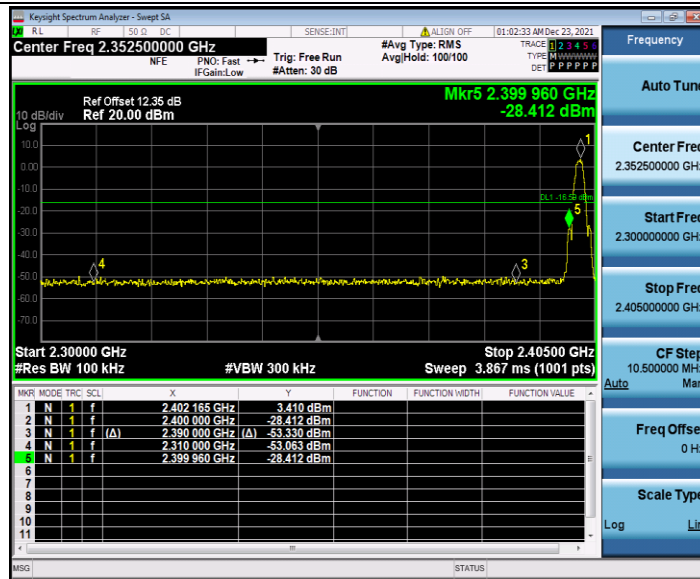
BLE_1M_Ant1_Low_2402



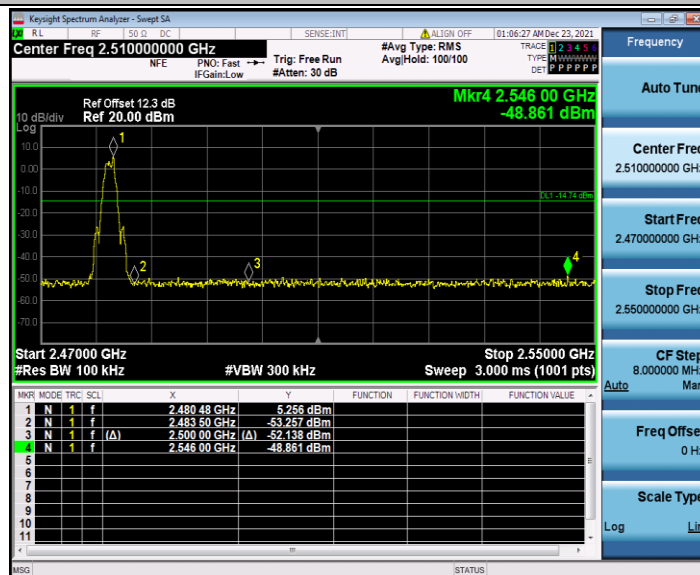
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

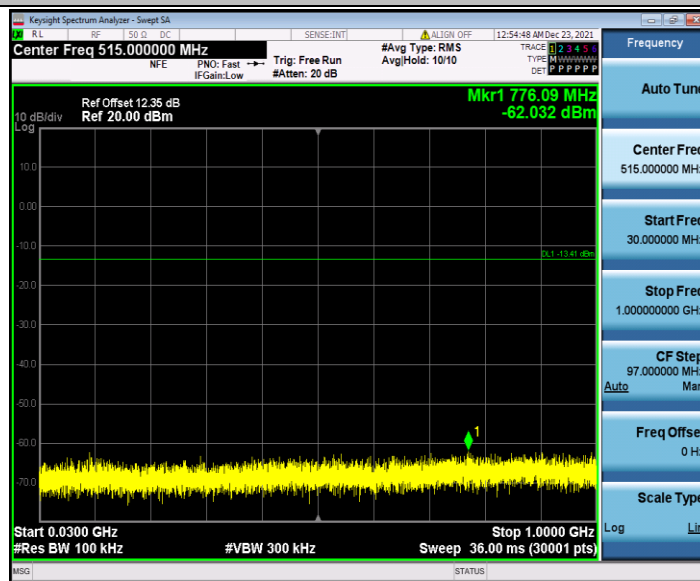
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.59	6.59	---	PASS
			30~1000	6.59	-62.03	≤-13.41	PASS
			1000~26500	6.59	-52.3	≤-13.41	PASS
		2440	Reference	6.33	6.33	---	PASS
			30~1000	6.33	-61.42	≤-13.67	PASS
			1000~26500	6.33	-52.76	≤-13.67	PASS
		2480	Reference	6.08	6.08	---	PASS
			30~1000	6.08	-61.7	≤-13.92	PASS
			1000~26500	6.08	-52.53	≤-13.92	PASS
BLE_2M	Ant1	2402	Reference	5.64	5.64	---	PASS
			30~1000	5.64	-60.91	≤-14.36	PASS
			1000~26500	5.64	-52.97	≤-14.36	PASS
		2440	Reference	5.56	5.56	---	PASS
			30~1000	5.56	-60.82	≤-14.44	PASS
			1000~26500	5.56	-51.91	≤-14.44	PASS
		2480	Reference	5.10	5.10	---	PASS
			30~1000	5.10	-60.24	≤-14.9	PASS
			1000~26500	5.10	-52.64	≤-14.9	PASS

Test Graphs

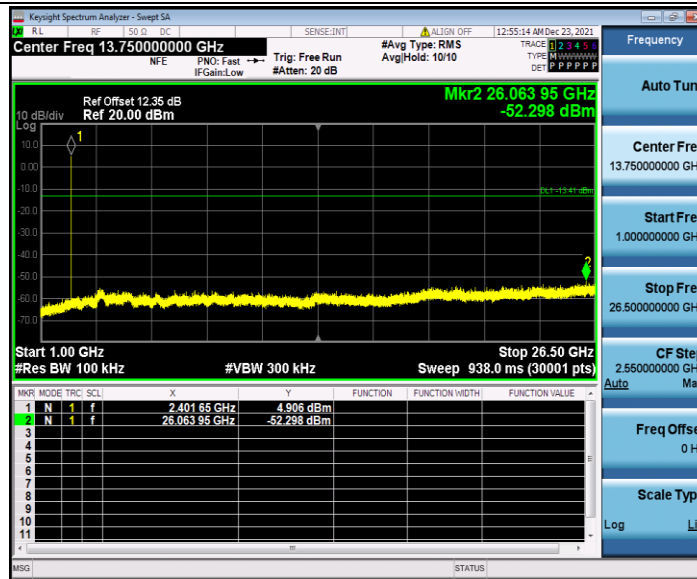
BLE_1M_Ant1_2402_0~Reference



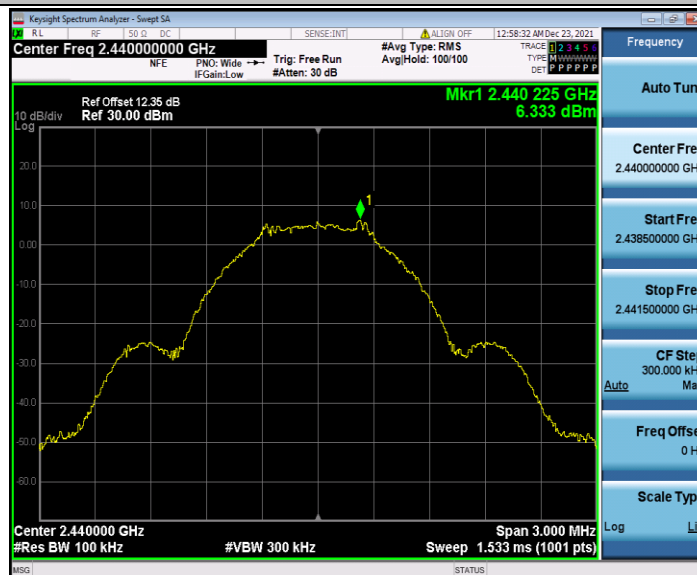
BLE_1M_Ant1_2402_30~1000



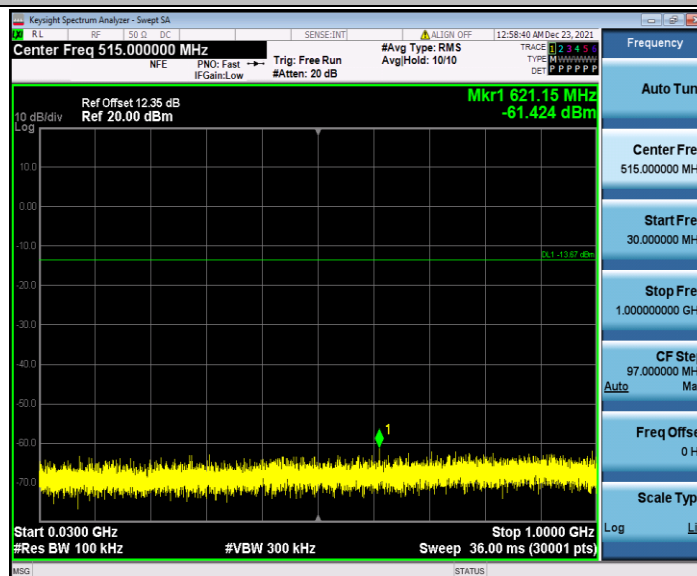
BLE_1M_Ant1_2402_1000~26500



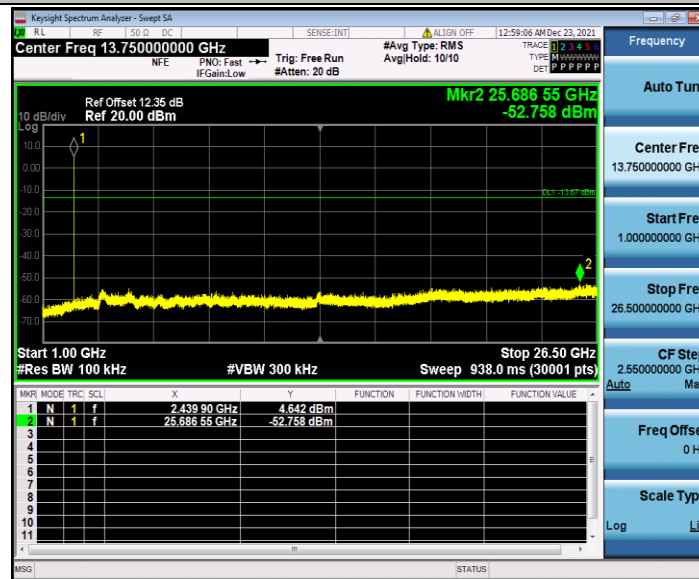
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



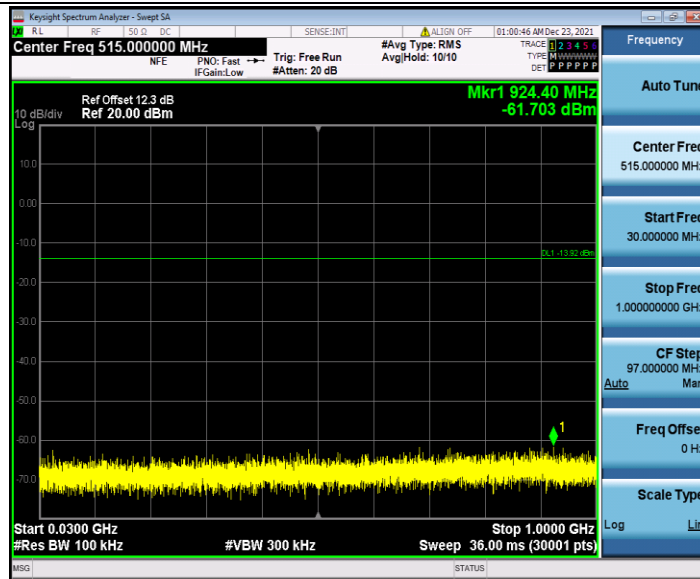
BLE_1M_Ant1_2440_1000~26500



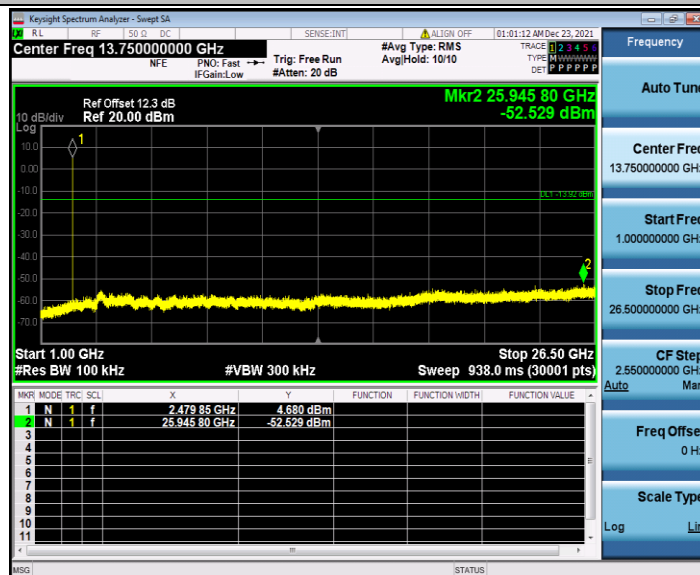
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



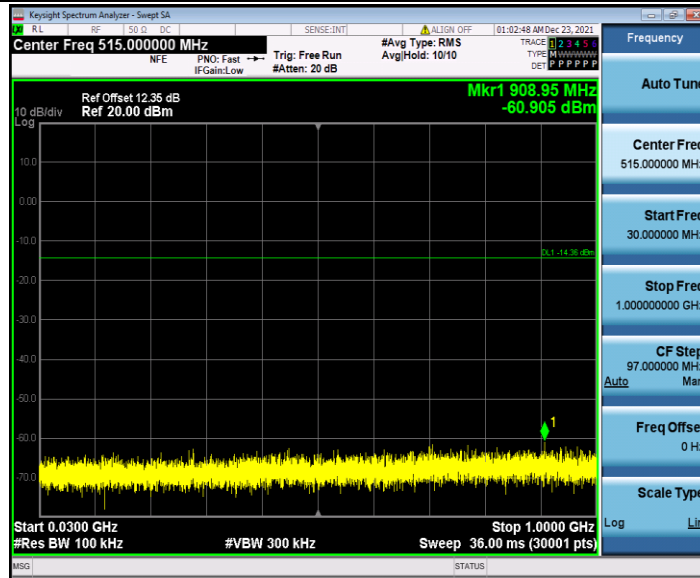
BLE_1M_Ant1_2480_1000~26500



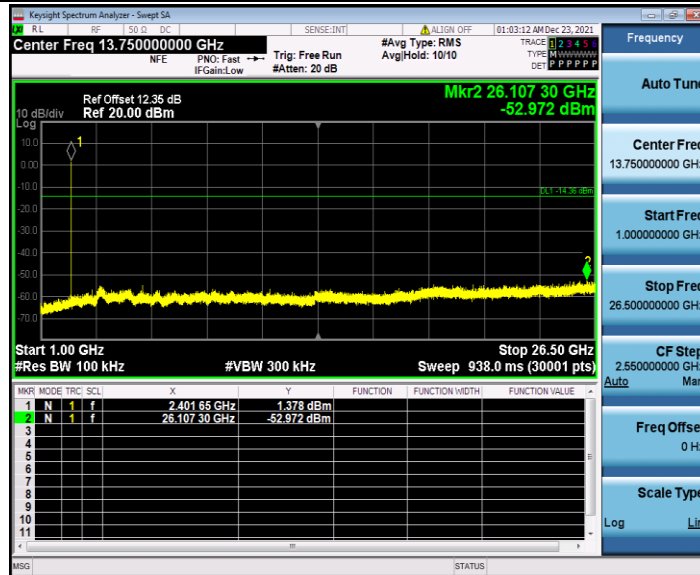
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



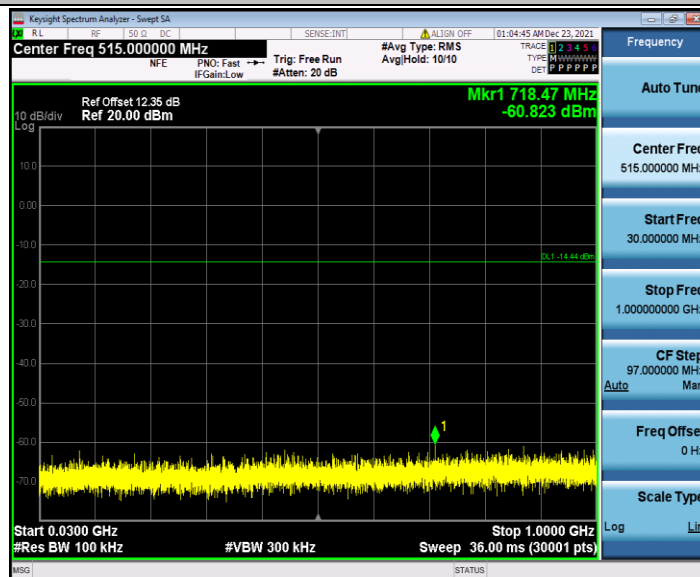
BLE_2M_Ant1_2402_1000~26500



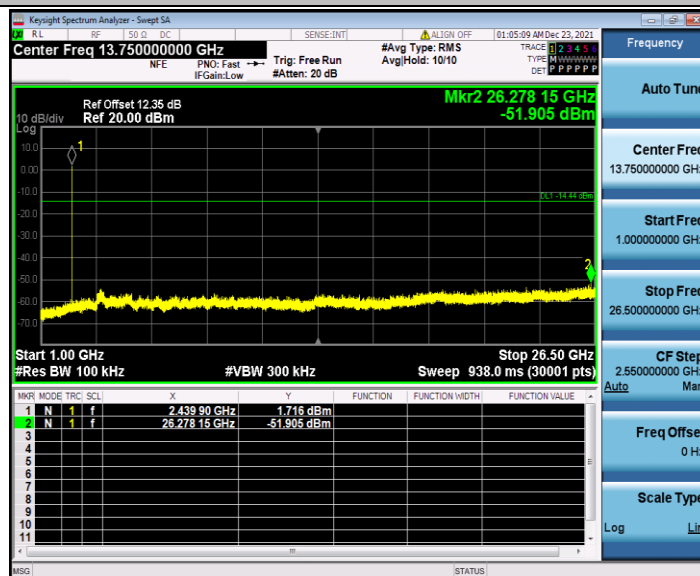
BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



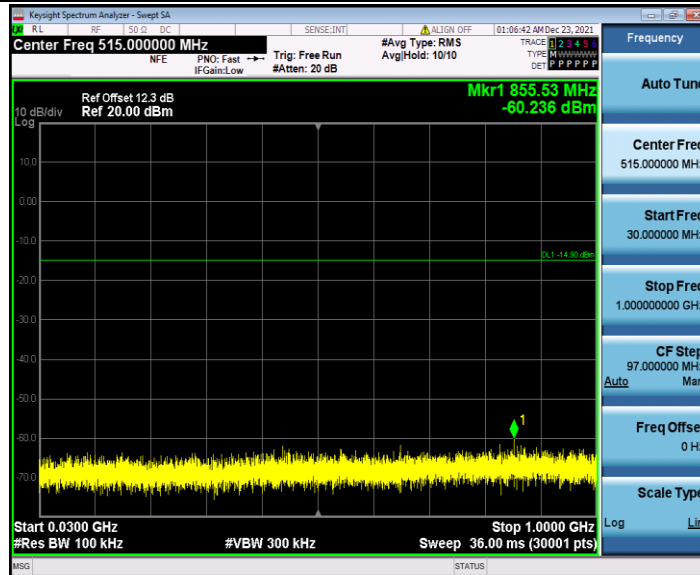
BLE_2M_Ant1_2440_1000~26500



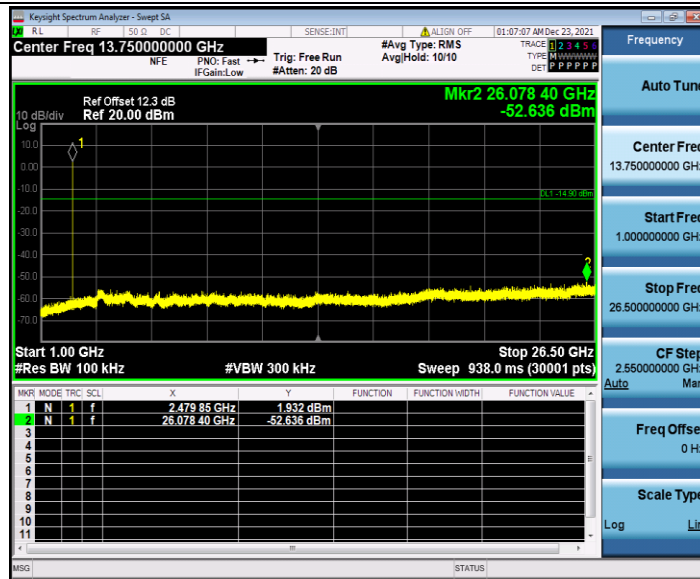
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500

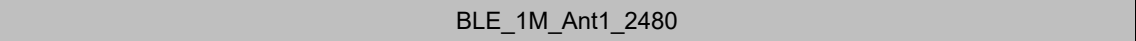
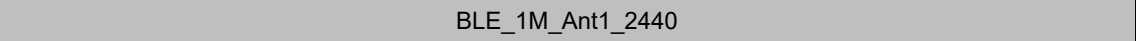


Appendix G: Duty Cycle

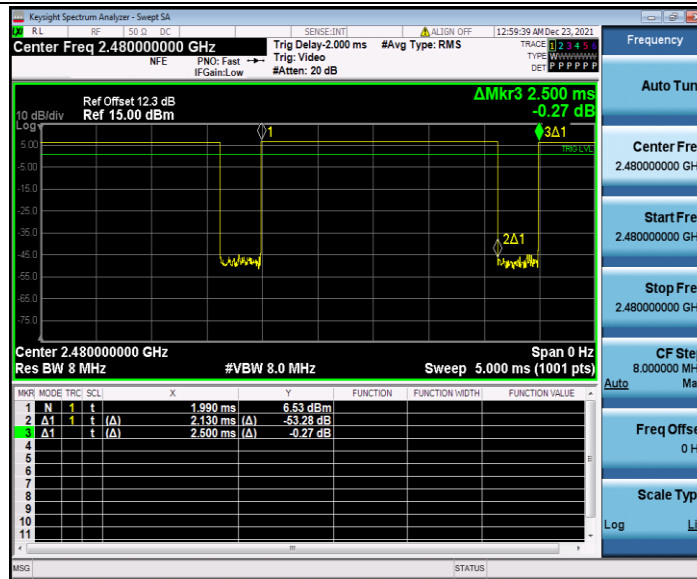
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
		2440	1.07	1.88	56.91	2.45
		2480	1.07	1.88	56.91	2.45

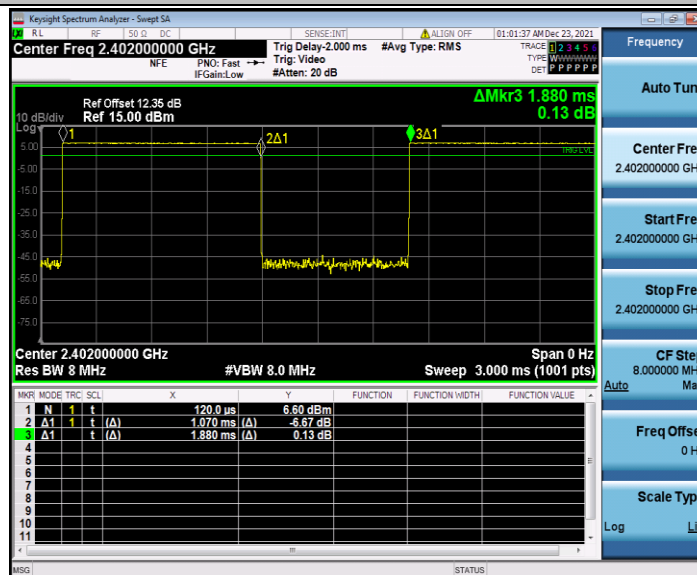
BLE_1M_Ant1_2402



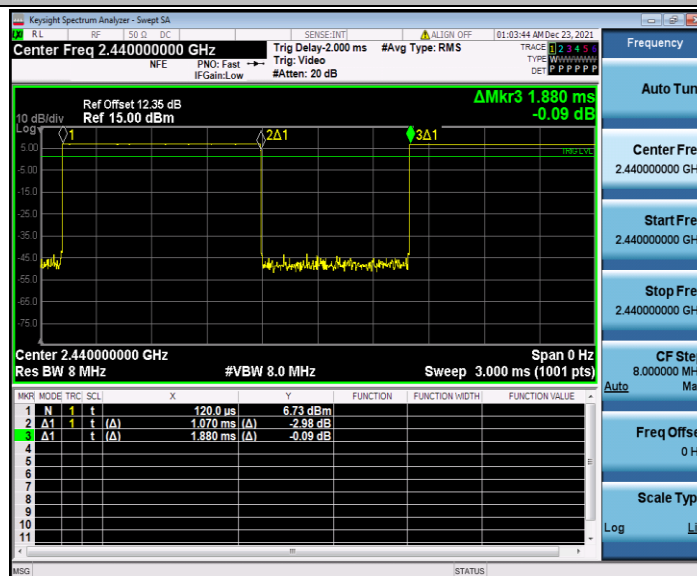
BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

