



4 Appendix

Appendix A: Duty Cycle

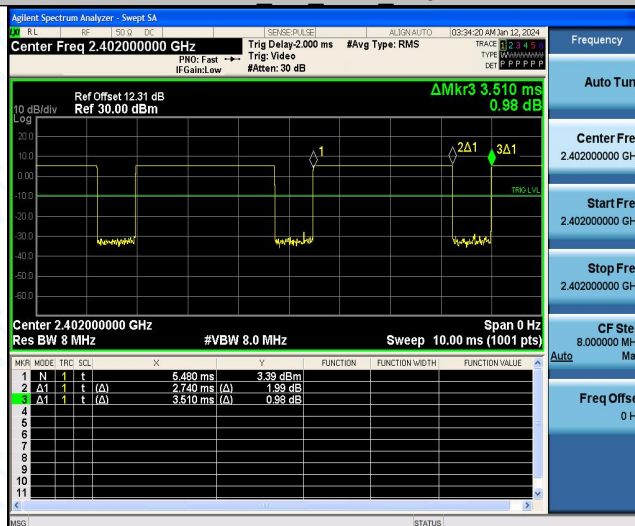
Test Result

Test Mode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]
BLE_1M	Ant1	2402	2.74	3.51	78.06
		2440	2.75	3.51	78.35
		2480	2.74	3.51	78.06

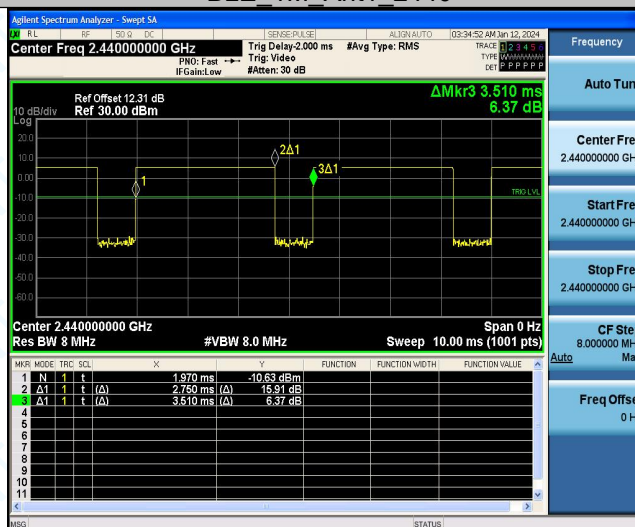


Test Graphs

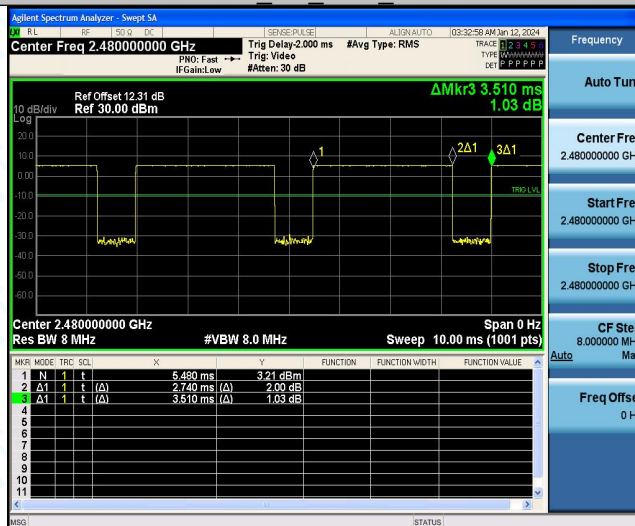
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Appendix B: DTS Bandwidth

Test Result

Test Mode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.780	2401.568	2402.348	0.5	PASS
		2440	0.764	2439.588	2440.352	0.5	PASS
		2480	0.788	2479.564	2480.352	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Power [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	5.54	≤30	PASS
		2440	5.43	≤30	PASS
		2480	5.32	≤30	PASS



Test Graphs

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480





Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Freq(MHz)	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.6	≤8.00	PASS
		2440	-11.74	≤8.00	PASS
		2480	-11.19	≤8.00	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480





Appendix E: Band edge measurements

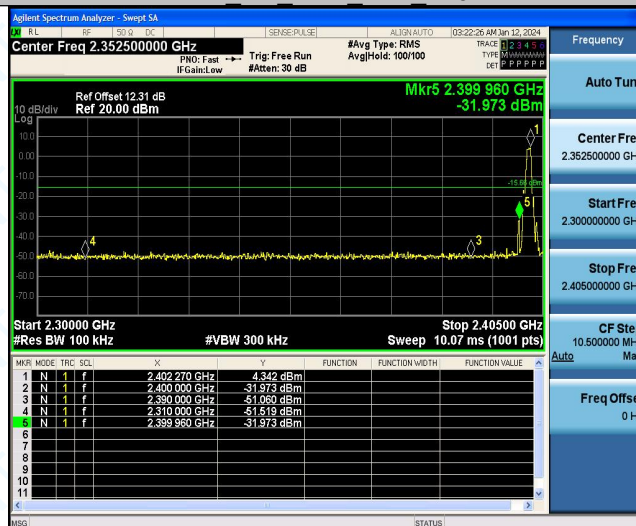
Test Result

Test Mode	Antenna	ChName	Freq (MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.34	-31.97	≤ -15.66	PASS
		High	2480	4.01	-46.86	≤ -15.99	PASS

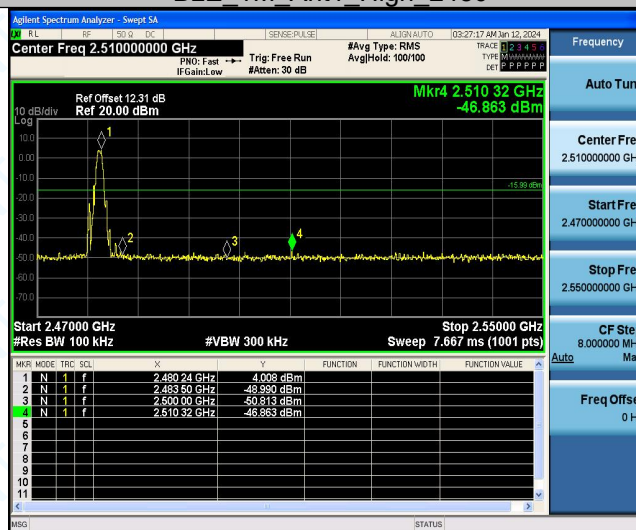


Test Graphs

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480





Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.14	4.14	---	PASS
			30~1000	4.14	-57.62	≤-15.86	PASS
			1000~26500	4.14	-48.85	≤-15.86	PASS
		2440	Reference	4.16	4.16	---	PASS
			30~1000	4.16	-57.37	≤-15.84	PASS
			1000~26500	4.16	-49.07	≤-15.84	PASS
		2480	Reference	3.94	3.94	---	PASS
			30~1000	3.94	-58.25	≤-16.06	PASS
			1000~26500	3.94	-48.06	≤-16.06	PASS

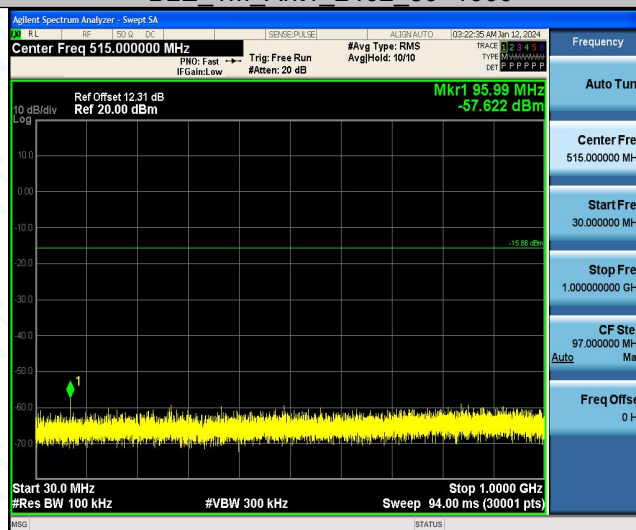


Test Graphs

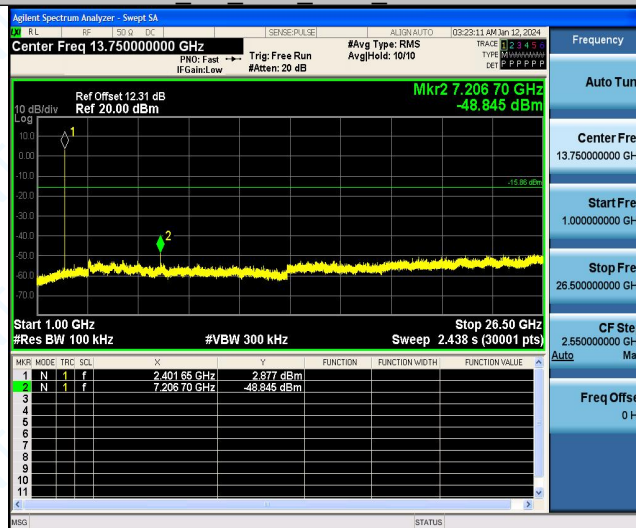
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

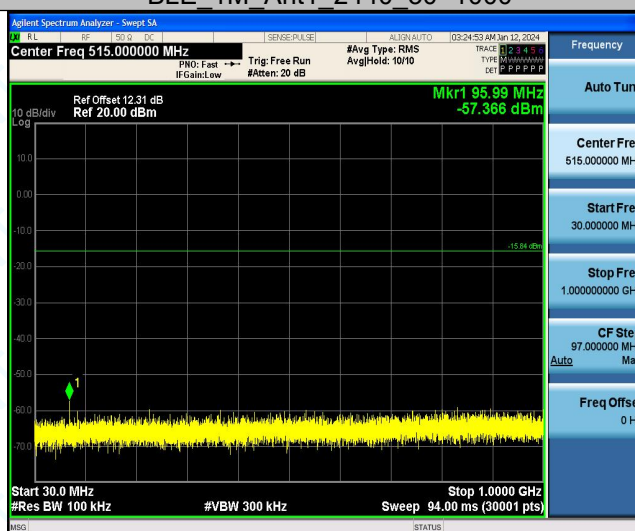




BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



BLE 1M Ant1 2440 1000~26500

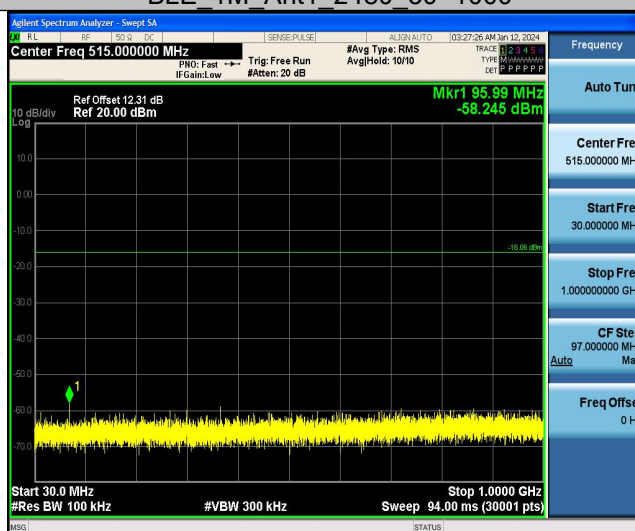




BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



The End Report

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