

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.676	2402.340	0.5	PASS
		2440	0.672	2439.680	2440.352	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS

Test Graphs

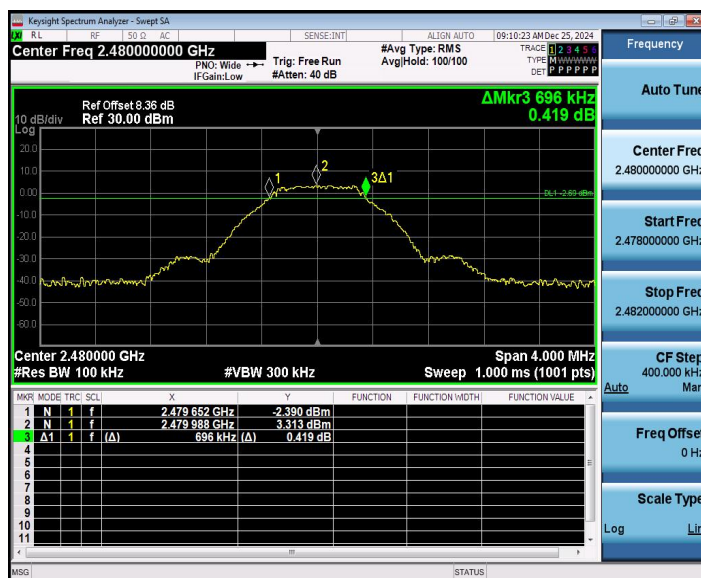
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.98592	2401.5170	2402.5030	---	---
		2440	0.99367	2439.5127	2440.5064	---	---
		2480	1.0049	2479.5042	2480.5091	---	---

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result

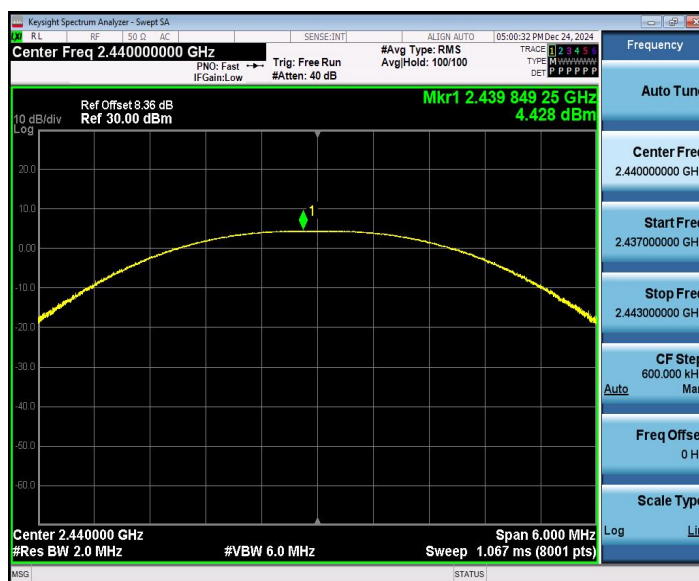
TestMode	Antenna	Freq(MHz)	Conducted Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.45	≤30	PASS
		2440	4.43	≤30	PASS
		2480	4.59	≤30	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/10kHz]	Result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.48	-9.71	≤8.00	PASS
		2440	-4.65	-9.88	≤8.00	PASS
		2480	-4.70	-9.93	≤8.00	PASS

Note:

1.Result[dBm/3kHz]= Result[dBm/10kHz]-10*log10(10/3)

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



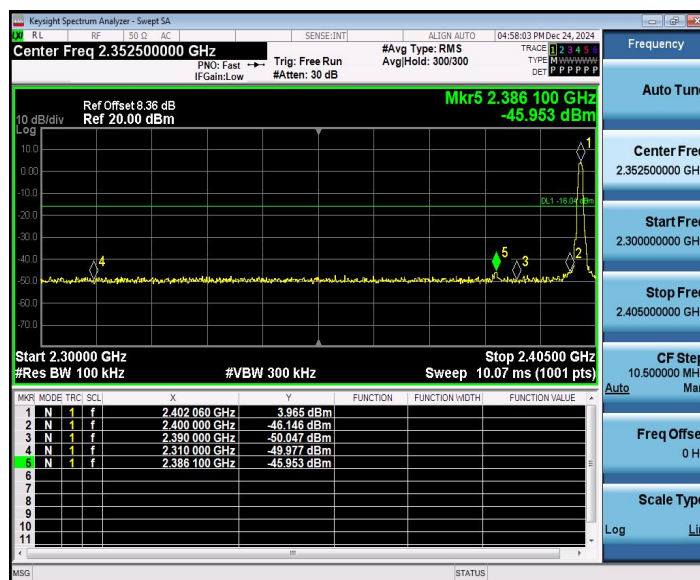
Appendix E: Band edge measurements

Test Result

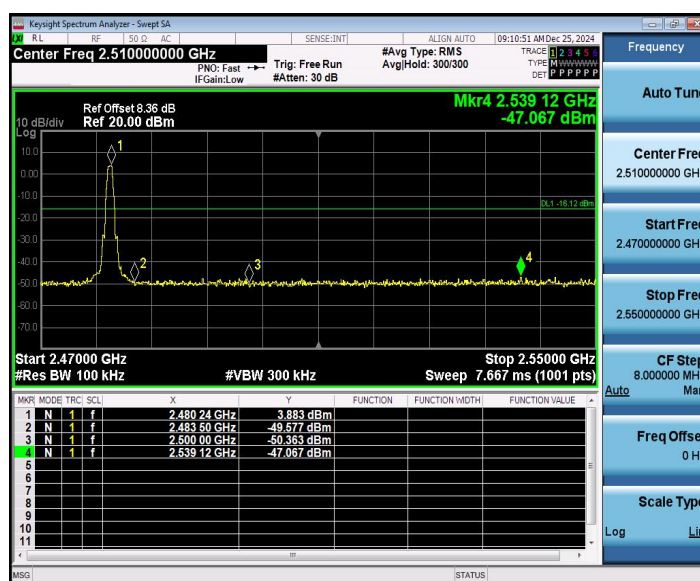
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.96	-45.95	≤-16.04	PASS
		High	2480	3.88	-47.07	≤-16.12	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

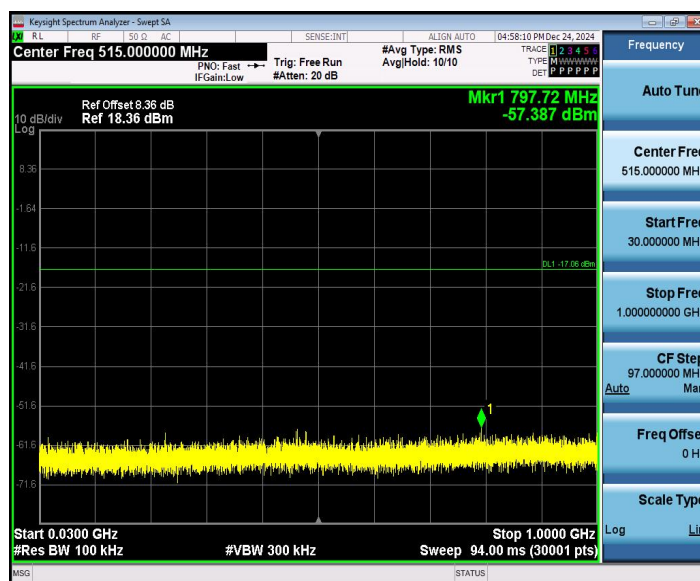
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-57.39	≤-17.06	PASS
			1000~26500	2.94	-38.26	≤-17.06	PASS
		2440	Reference	2.90	2.90	---	PASS
			30~1000	2.90	-57.27	≤-17.1	PASS
			1000~26500	2.90	-38.53	≤-17.1	PASS
		2480	Reference	3.41	3.41	---	PASS
			30~1000	3.41	-56.93	≤-16.59	PASS
			1000~26500	3.41	-38.54	≤-16.59	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



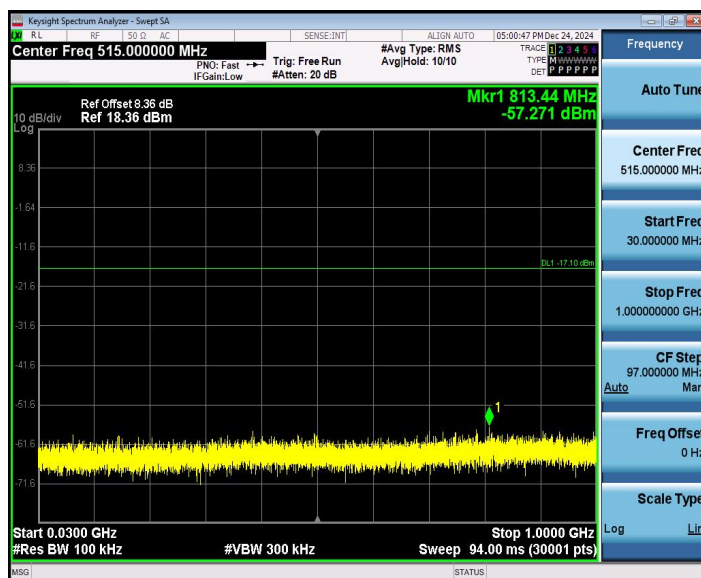
BLE_1M_Ant1_2402_1000~26500



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



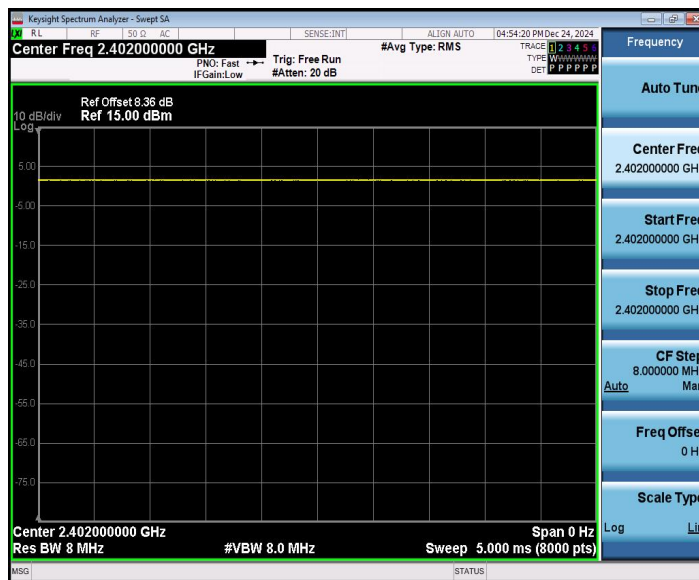
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.00	0.00	NaN	100	NaN	---	---

Test Graphs

BLE_1M_Ant1_2402



-----End of the report-----