

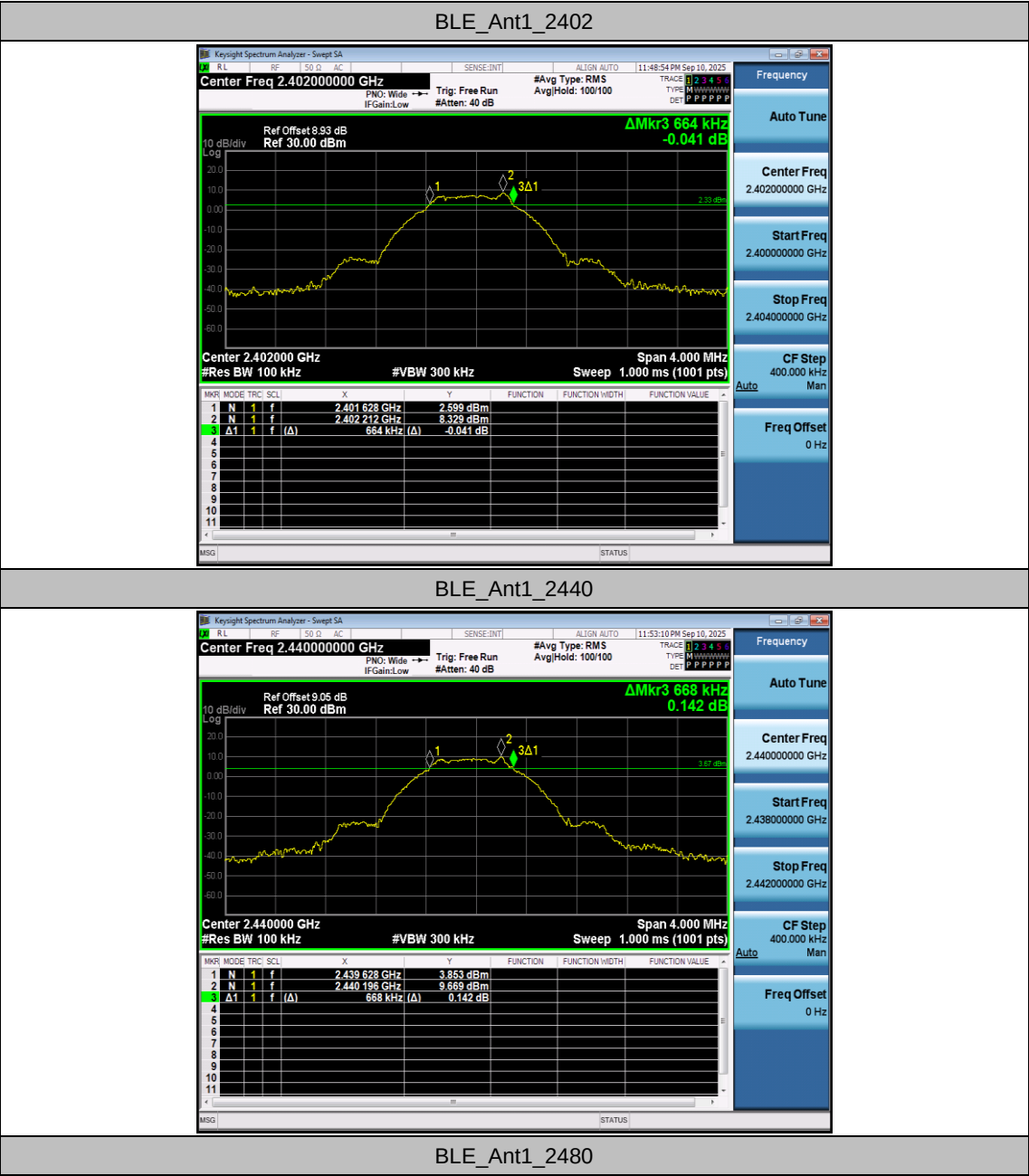
Case No. : <u>GTS20250818004-2-10</u>
Ambient Condition: <u>22</u> °C, <u>58</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.9.4-2025.9.17</u> Test Engineer: <u>Evan ouyang</u>

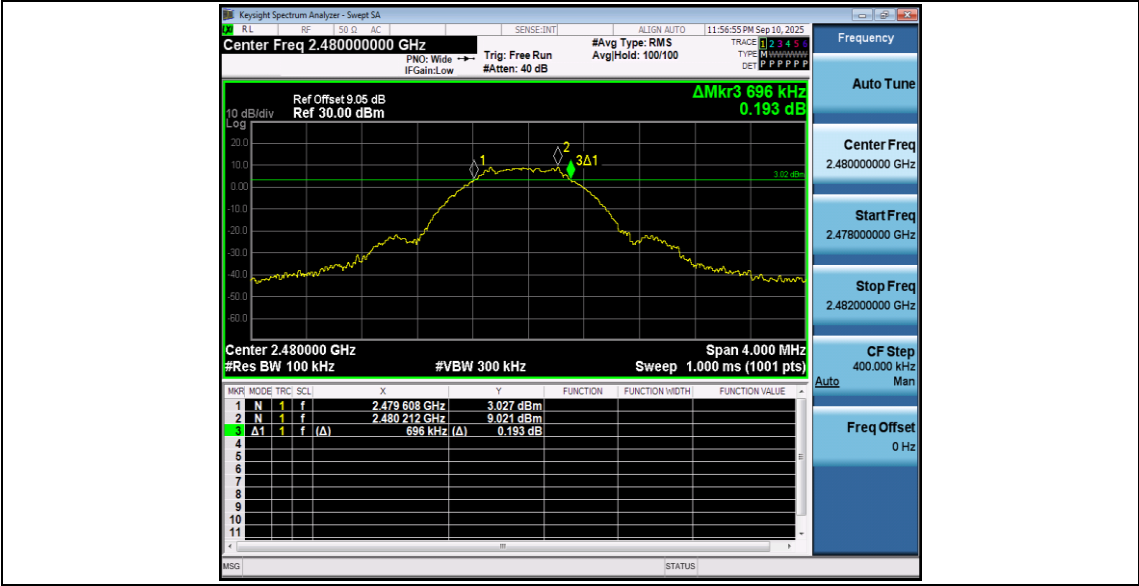
AppendixB.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.664	2401.628	2402.292	0.5	PASS
		2440	0.668	2439.628	2440.296	0.5	PASS
		2480	0.696	2479.608	2480.304	0.5	PASS

Test Graphs





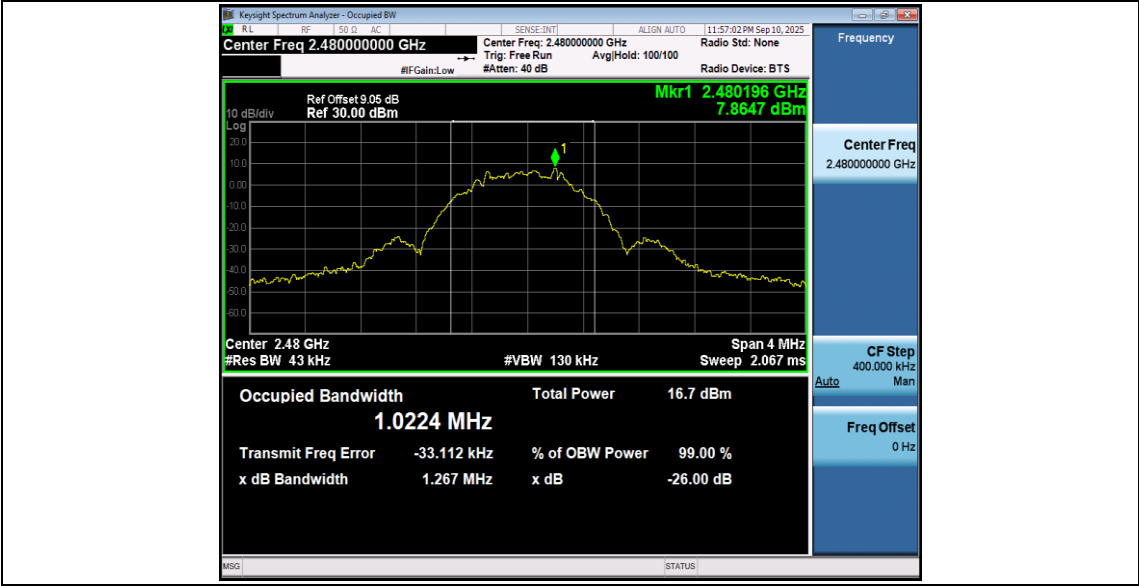
AppendixB.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0208	2401.4551	2402.4759	---	---
		2440	1.0269	2439.4535	2440.4804	---	---
		2480	1.0224	2479.4557	2480.4781	---	---

Test Graphs





AppendixB.3: Maximum conducted output power

Test Result Peak

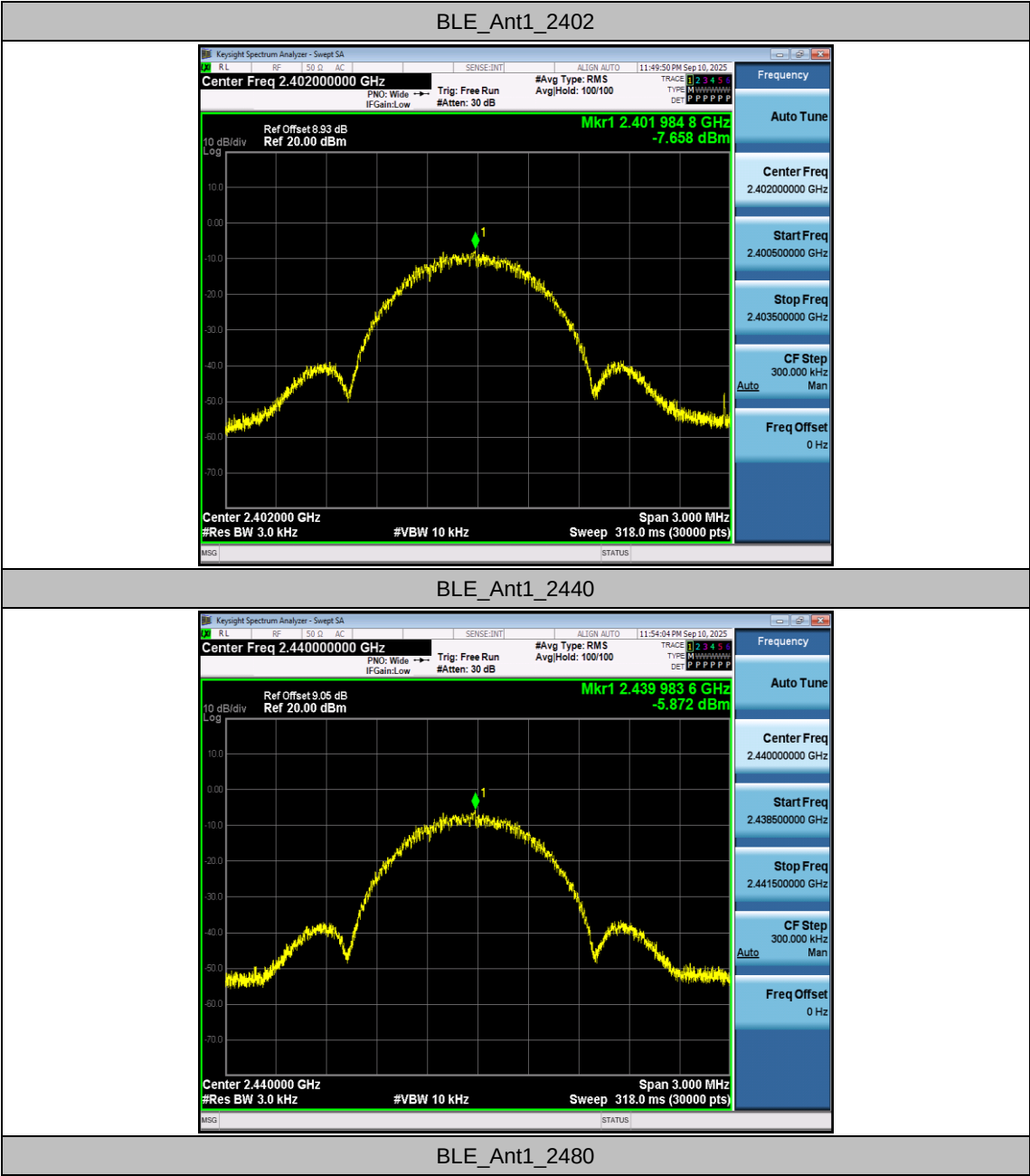
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	11.52	≤30	PASS
		2440	11.25	≤30	PASS
		2480	11.99	≤30	PASS

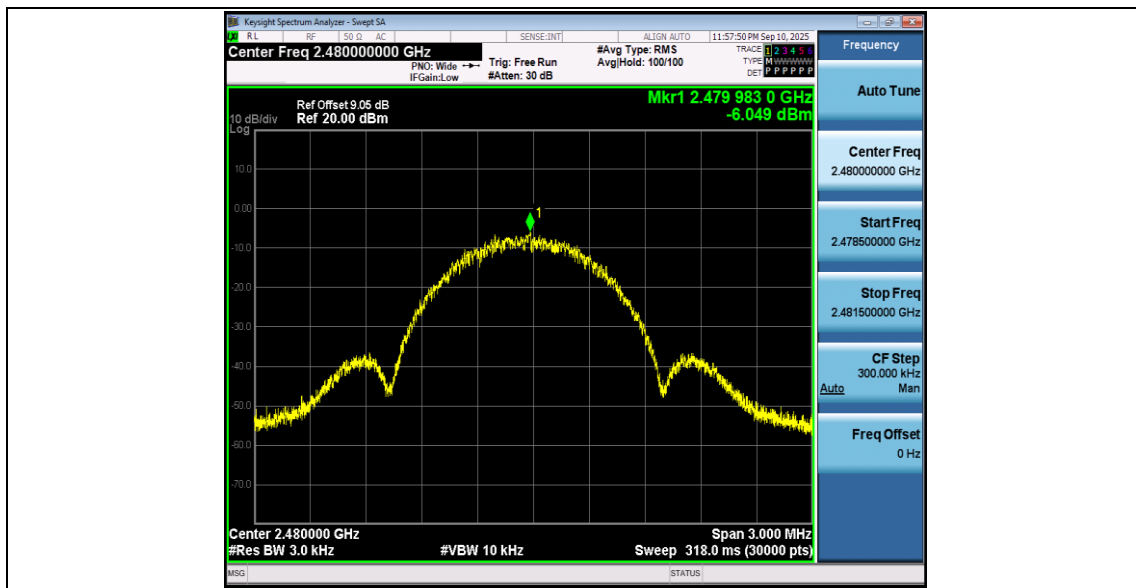
AppendixB.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-7.66	≤8.00	PASS
		2440	-5.87	≤8.00	PASS
		2480	-6.05	≤8.00	PASS

Test Graphs



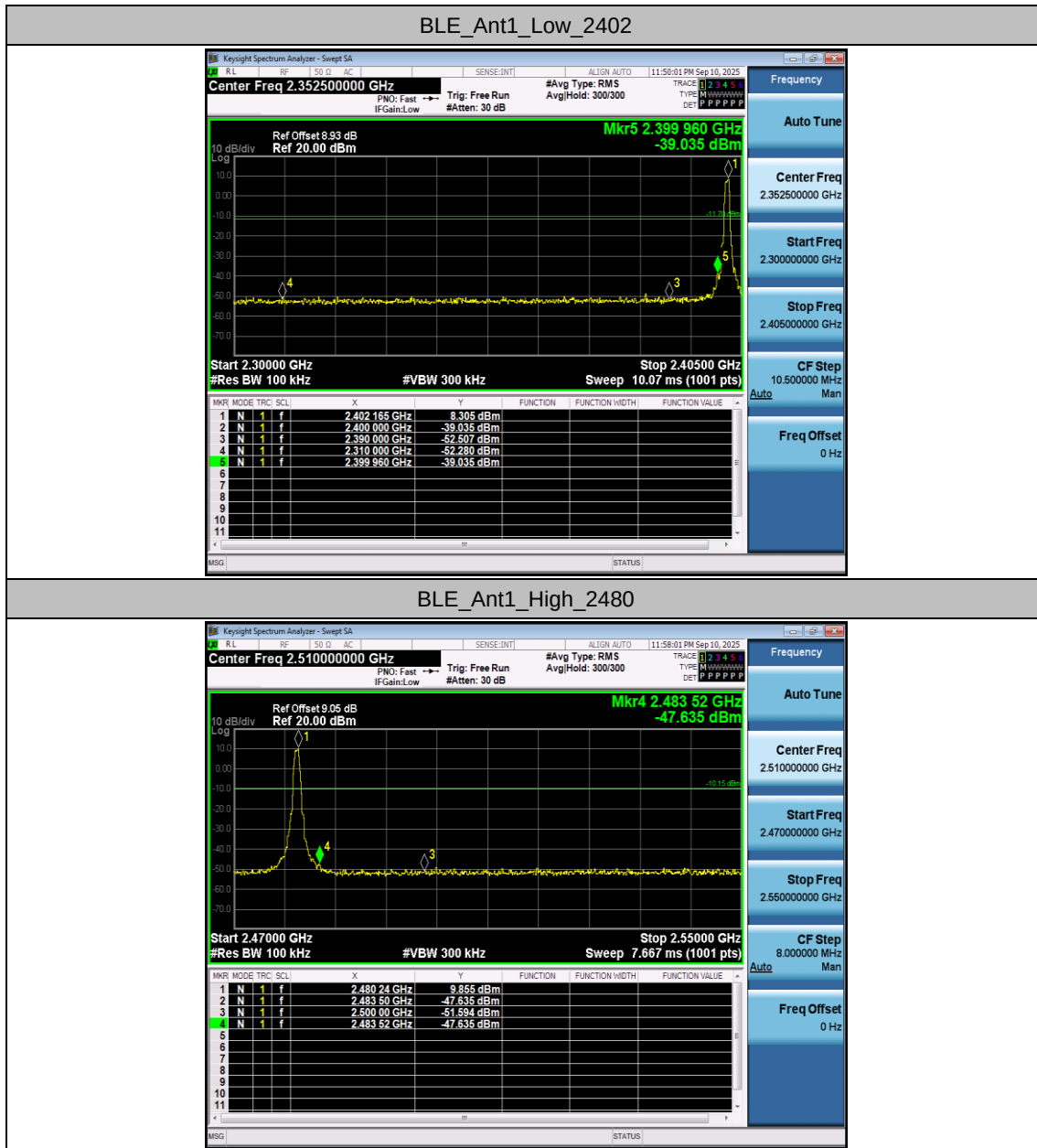


Appendix B.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	8.31	-39.04	≤-11.7	PASS
		High	2480	9.86	-47.64	≤-10.15	PASS

Test Graphs

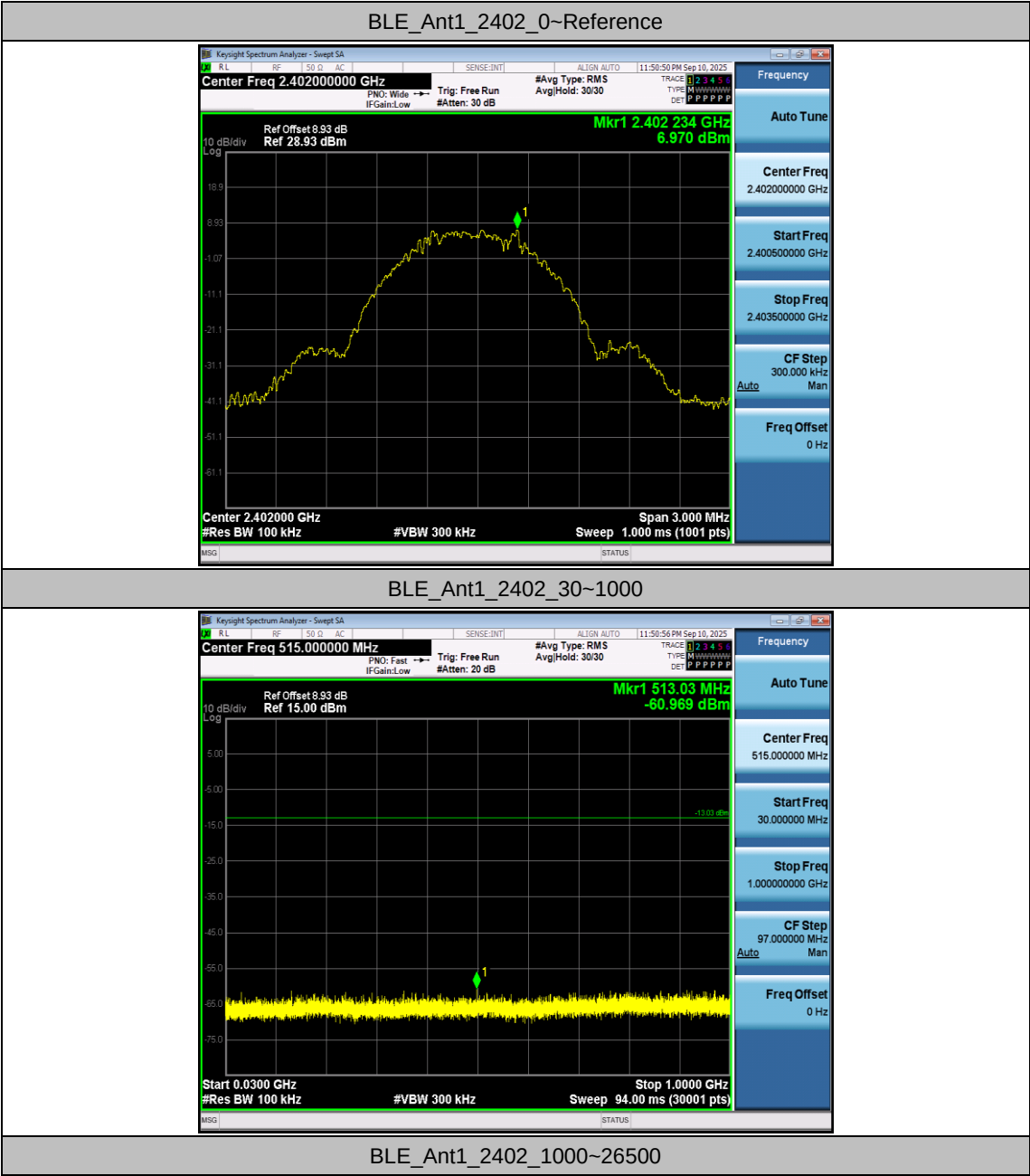


Appendix B.6: Conducted Spurious Emission

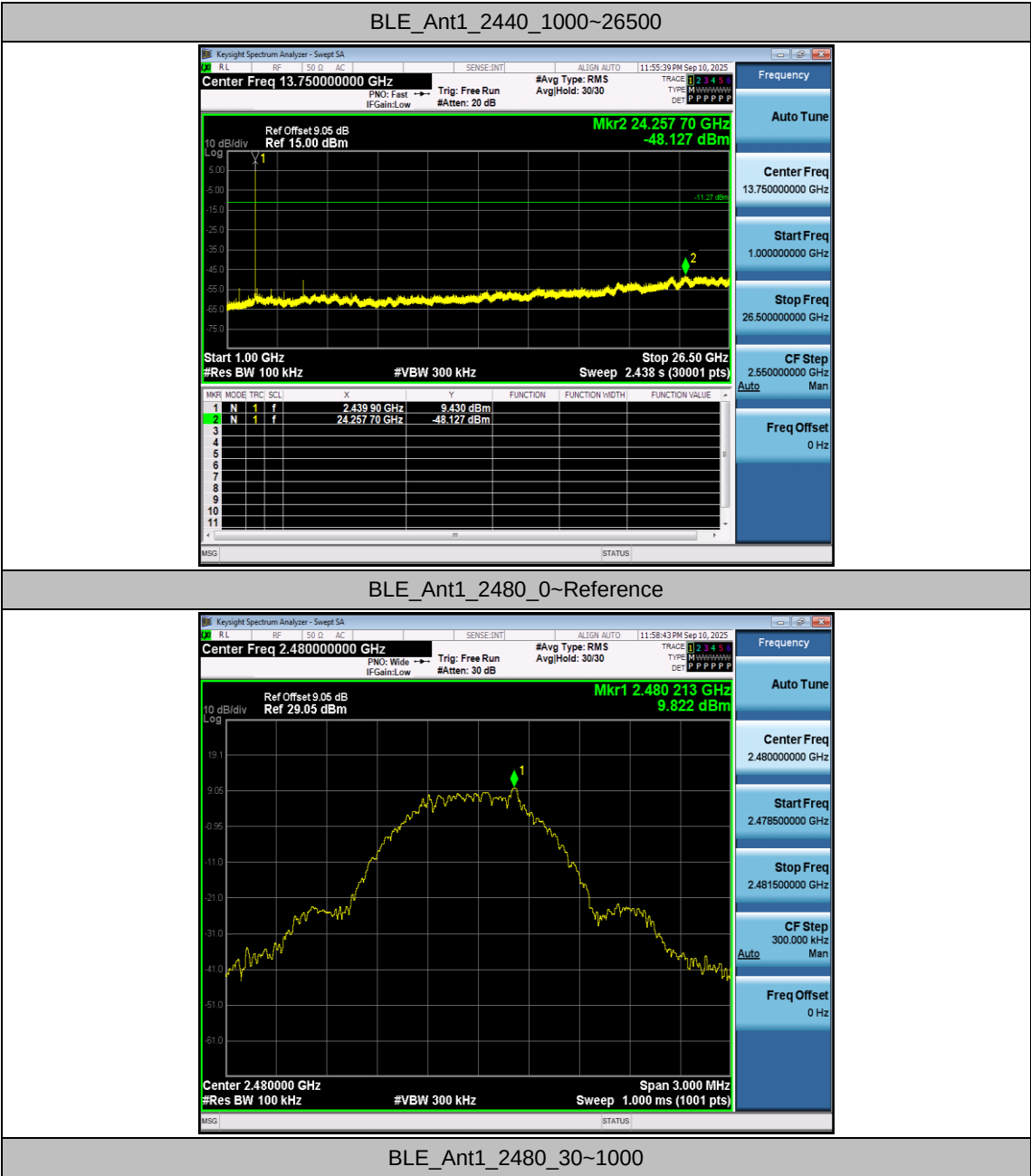
Test Result

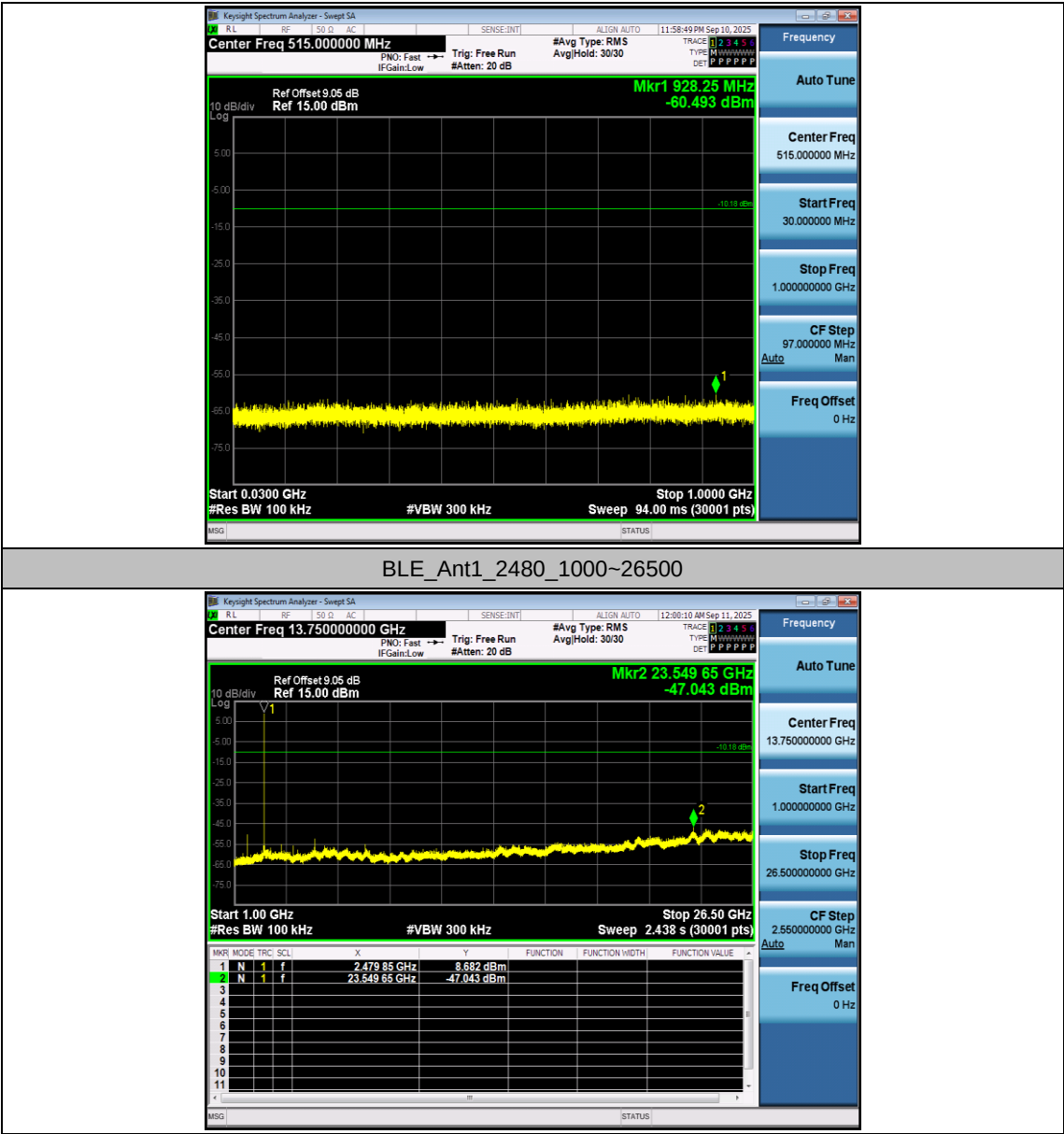
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	6.97	6.97	---	PASS
			30~1000	6.97	-60.97	≤-13.03	PASS
			1000~26500	6.97	-46.54	≤-13.03	PASS
		2440	Reference	8.73	8.73	---	PASS
			30~1000	8.73	-60.67	≤-11.27	PASS
			1000~26500	8.73	-48.13	≤-11.27	PASS
		2480	Reference	9.82	9.82	---	PASS
			30~1000	9.82	-60.49	≤-10.18	PASS
			1000~26500	9.82	-47.04	≤-10.18	PASS

Test Graphs







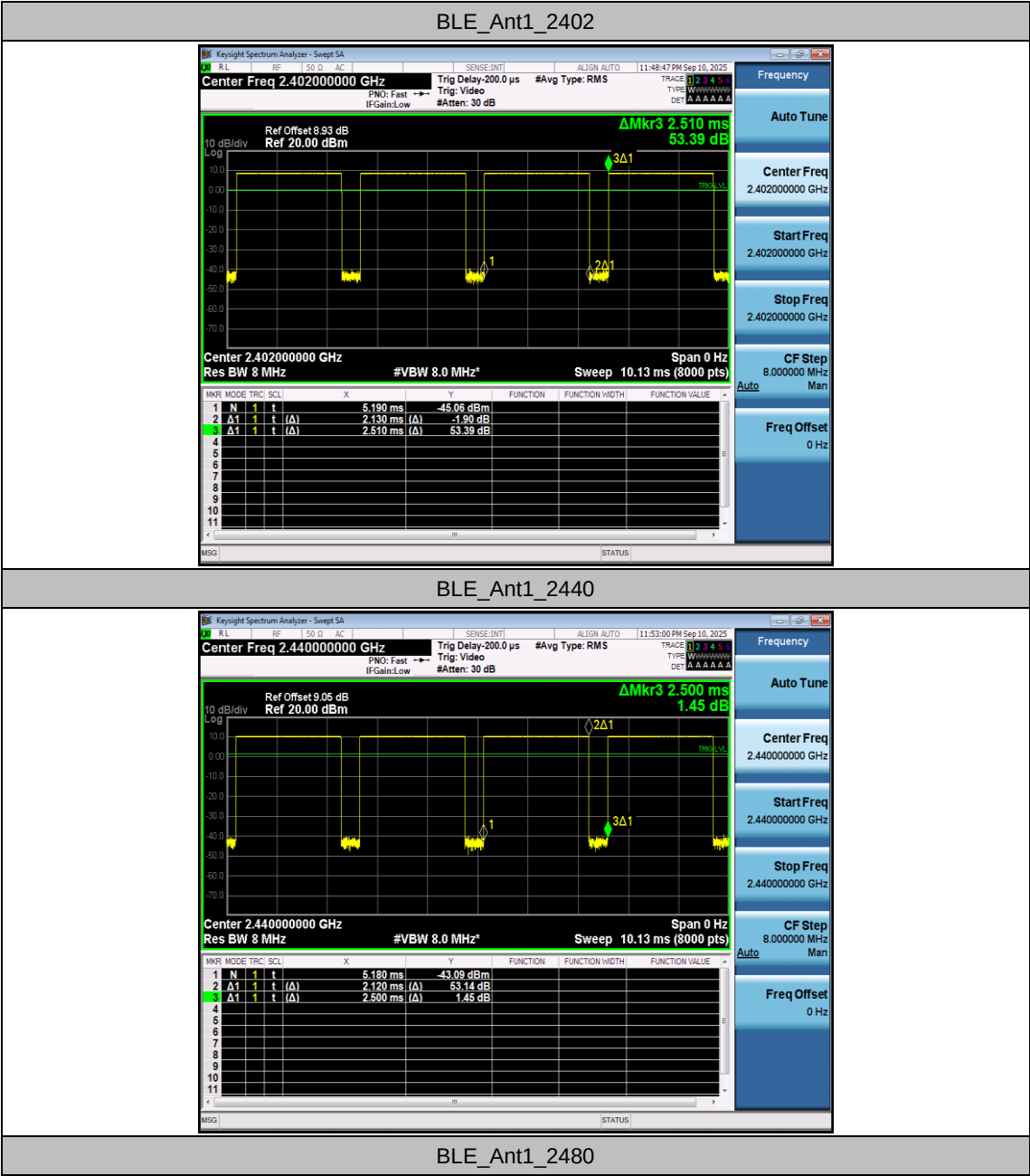


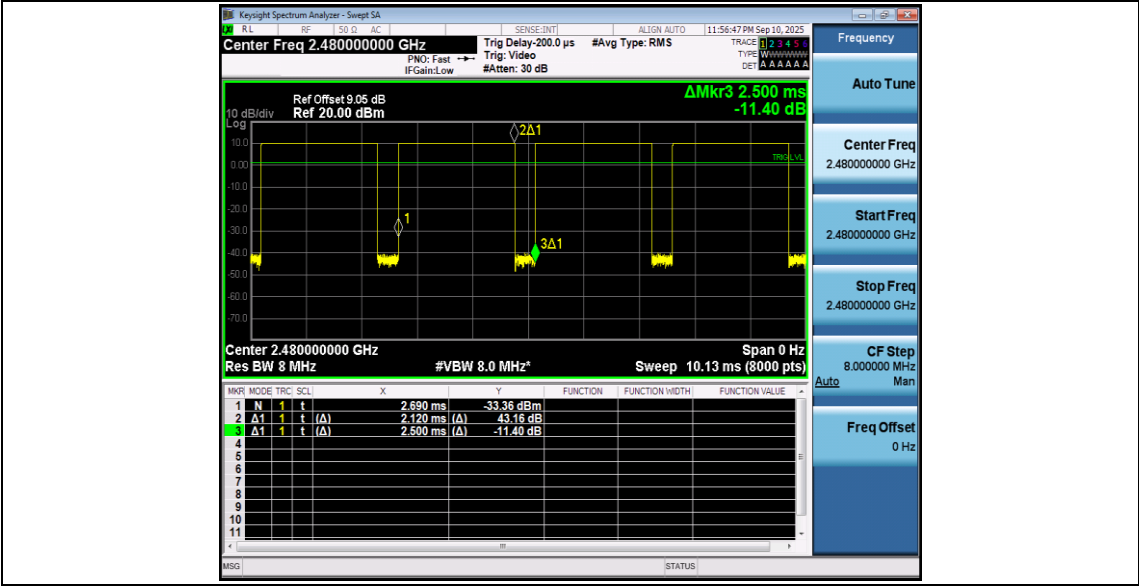
AppendixB.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	2.13	2.51	0.8486	84.86	0.71	0.47
		2440	2.12	2.50	0.8480	84.80	0.72	0.47
		2480	2.12	2.50	0.8480	84.80	0.72	0.47

Test Graphs





Appendix B.8: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE	Ant1	Low	2402	AV	2310.000	-49.25	≤-41.20	45.95	≤54	PASS
				AV	2389.250	-48.36	≤-41.20	46.84	≤54	PASS
				AV	2390.000	-48.5	≤-41.20	46.70	≤54	PASS
				Peak	2310.000	-41.49	≤-21.20	53.71	≤74	PASS
				Peak	2378.855	-38.87	≤-21.20	56.33	≤74	PASS
				Peak	2390.000	-42.05	≤-21.20	53.15	≤74	PASS
		High	2480	AV	2483.500	-43.5	≤-41.20	51.70	≤54	PASS
				AV	2483.520	-43.5	≤-41.20	51.70	≤54	PASS
				AV	2500.000	-48.21	≤-41.20	46.99	≤54	PASS
				Peak	2483.500	-38.08	≤-21.20	57.12	≤74	PASS
				Peak	2483.840	-37.22	≤-21.20	57.98	≤74	PASS
				Peak	2500.000	-42.35	≤-21.20	52.85	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

