

Applicant: Shenzhen Anboqi Technology Co., Ltd.

Case No. : TH2409439-C04

EUT: Battery camera

M/N: ABQ-Q9

Standard: FCC Part15 Subpart C, Section 15.247

Test Power Supply: NA

Ambient Condition: 25.4 °C, 41 %RH, 101.325 kPa

Test Date: 2024.10.11

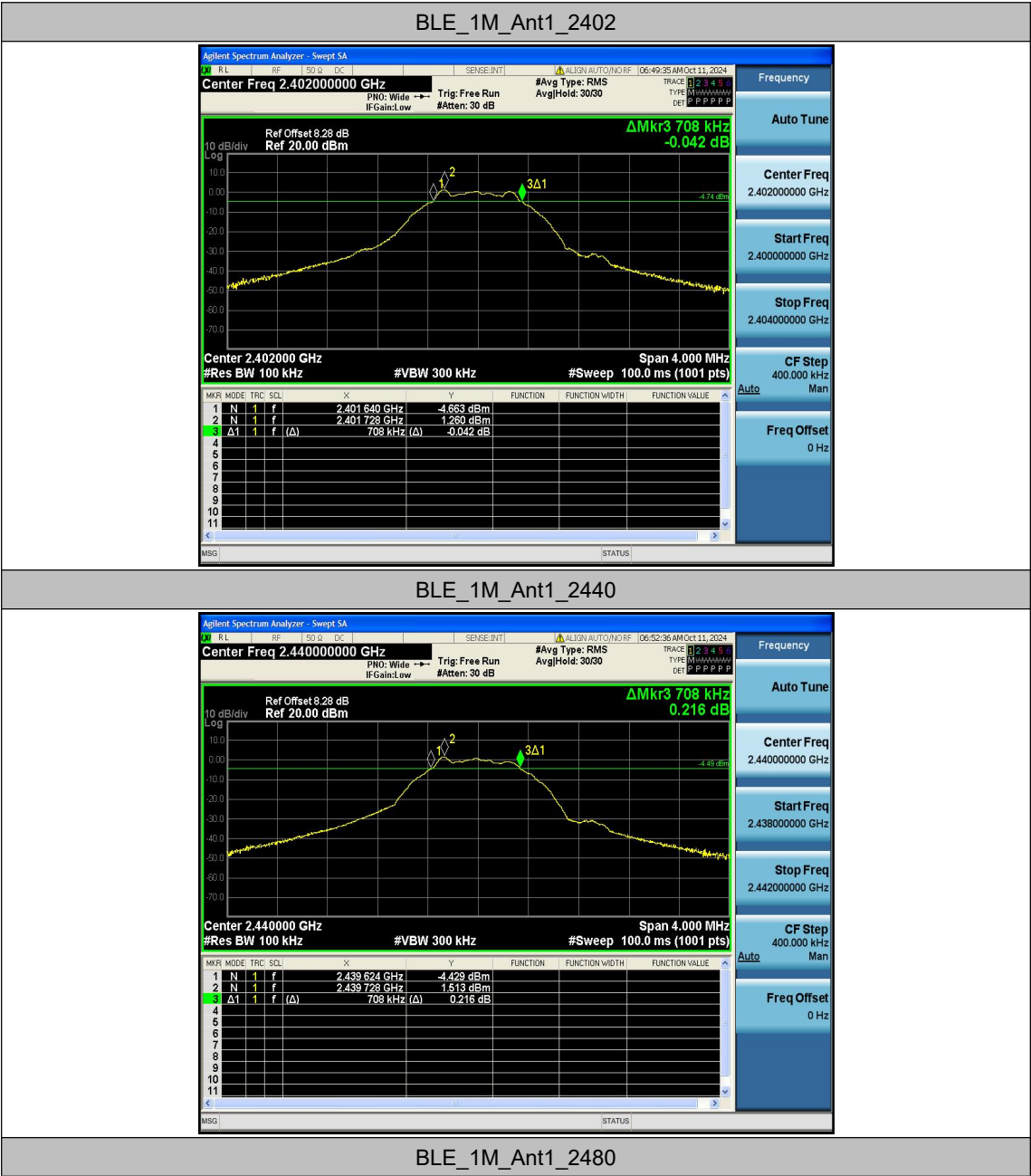
Test Engineer: Blue

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.640	2402.348	0.5	PASS
		2440	0.708	2439.624	2440.332	0.5	PASS
		2480	0.708	2479.628	2480.336	0.5	PASS

Test Graphs

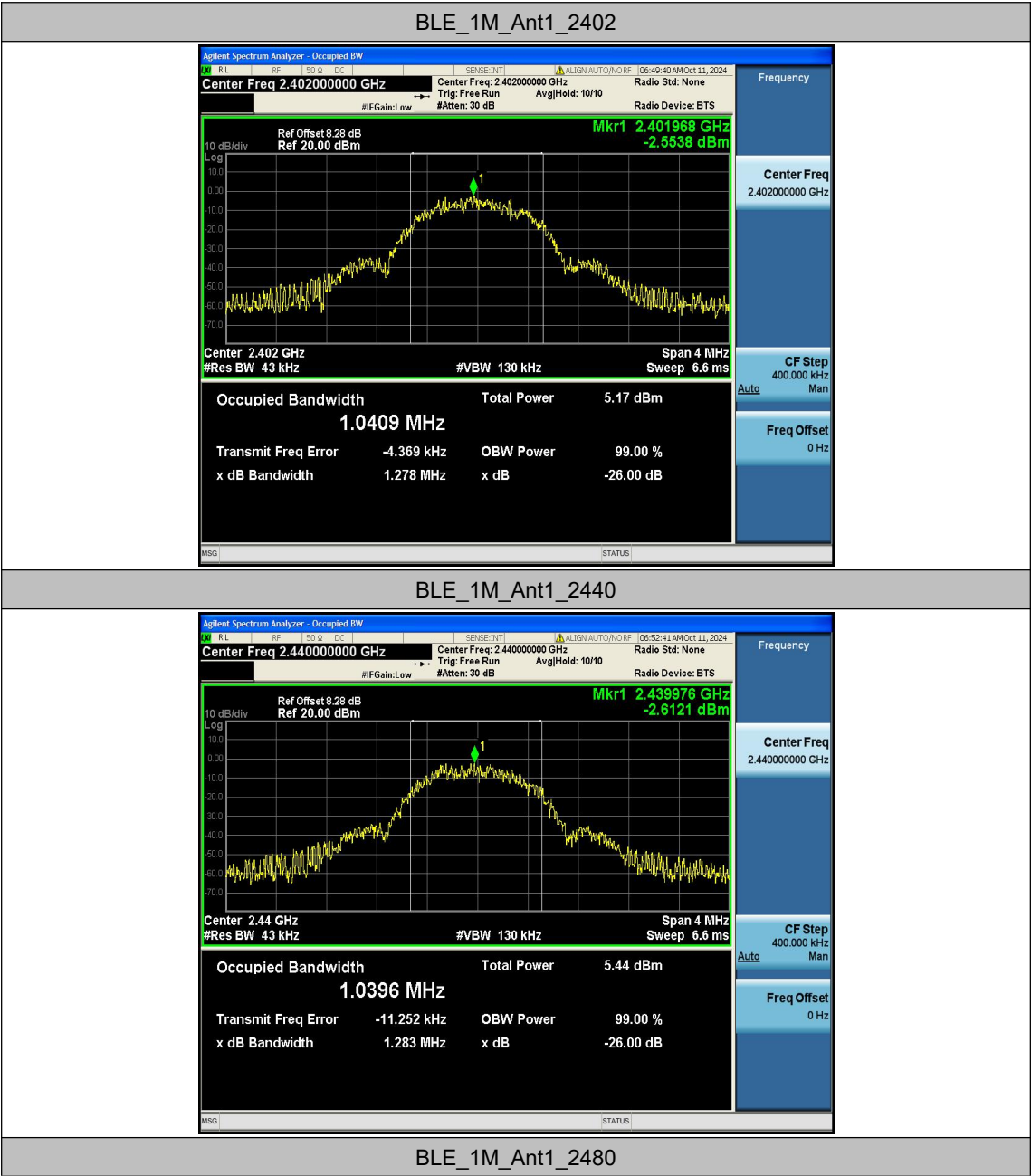


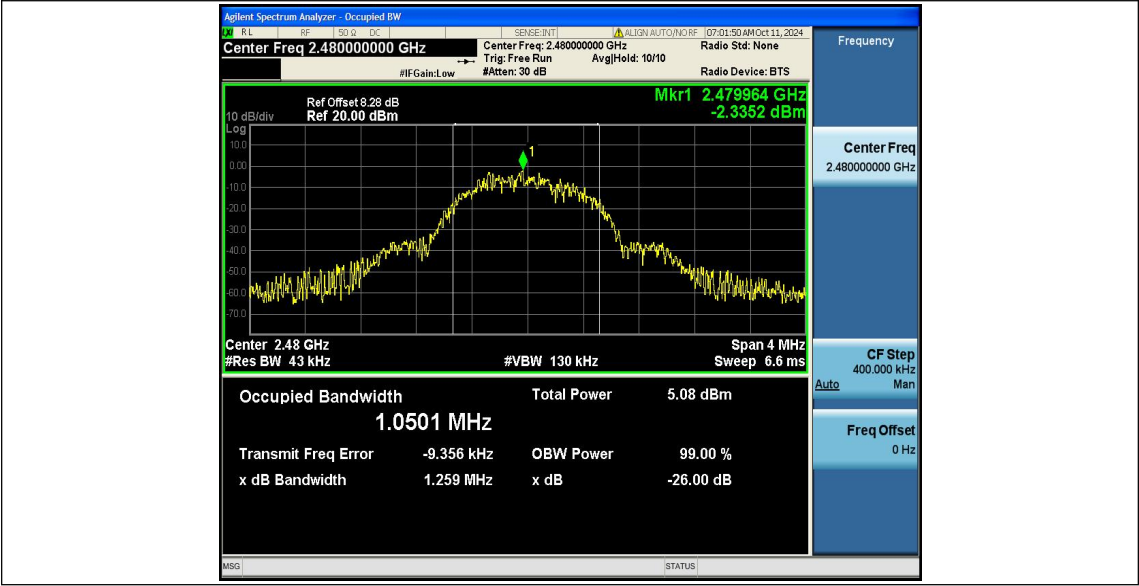
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0409	2401.4752	2402.5161	---	---
		2440	1.0396	2439.4690	2440.5086	---	---
		2480	1.0501	2479.4656	2480.5157	---	---

Test Graphs



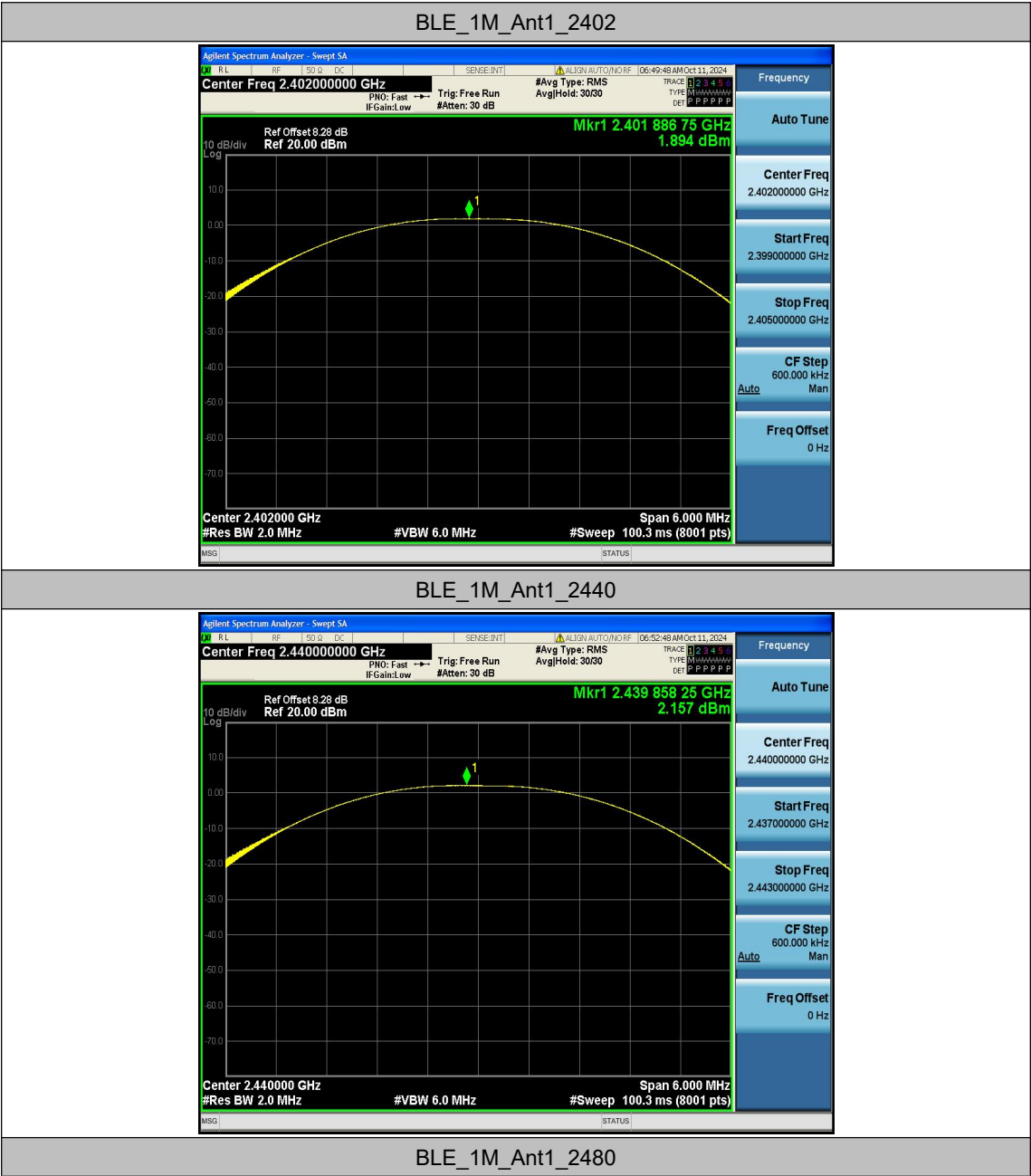


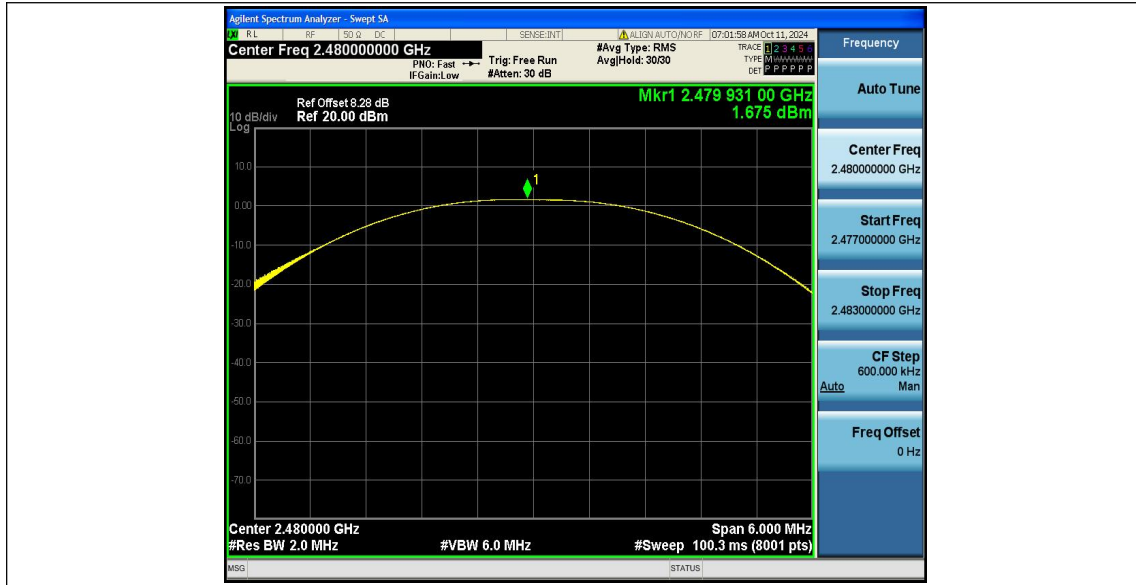
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.89	≤30	PASS
		2440	2.16	≤30	PASS
		2480	1.68	≤30	PASS

Test Graphs Peak





Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.38	≤8.00	PASS
		2440	-13.08	≤8.00	PASS
		2480	-14.05	≤8.00	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



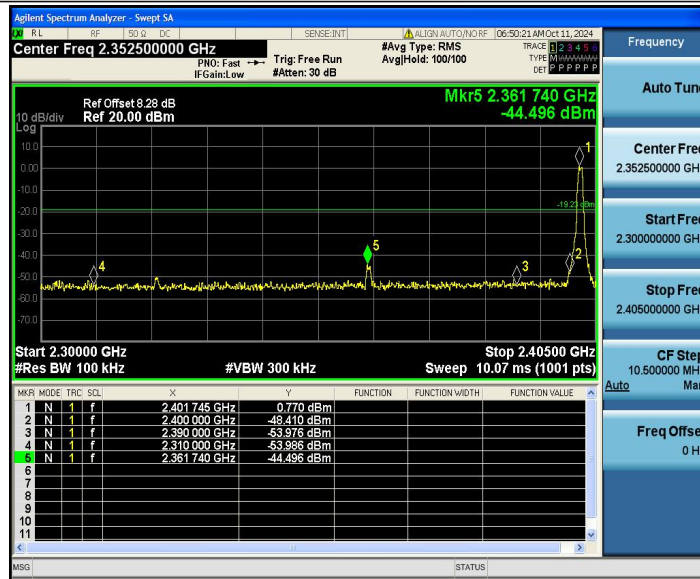
Appendix E: Band edge measurements

Test Result

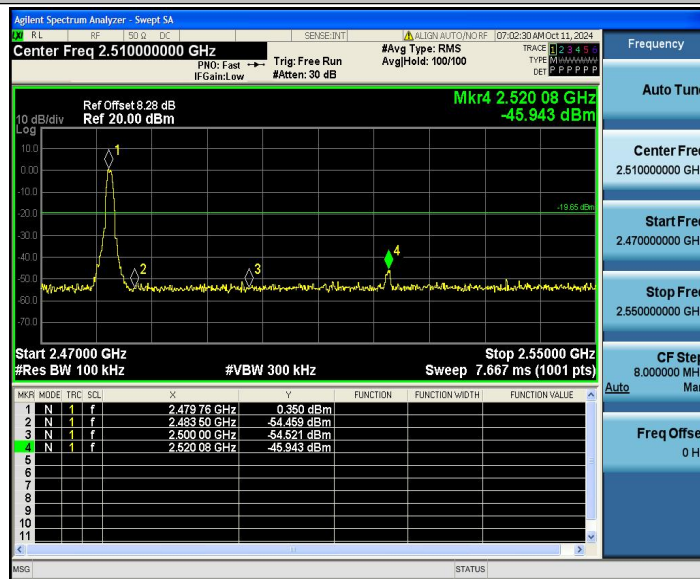
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.77	-44.5	≤-19.23	PASS
		High	2480	0.35	-45.94	≤-19.65	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

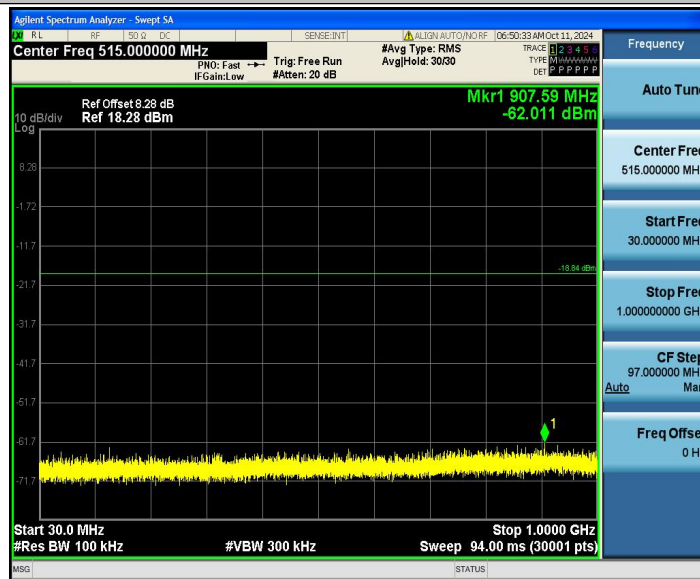
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.16	1.16	---	PASS
			30~1000	1.16	-62.01	≤-18.84	PASS
			1000~26500	1.16	-46.2	≤-18.84	PASS
		2440	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-62.47	≤-20.22	PASS
			1000~26500	-0.22	-48.74	≤-20.22	PASS
		2480	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-62.45	≤-20.67	PASS
			1000~26500	-0.67	-50.53	≤-20.67	PASS

Test Graphs

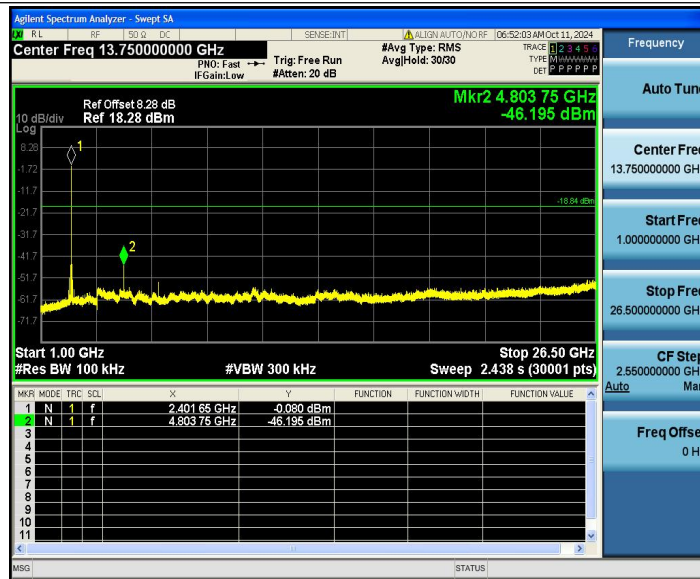
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



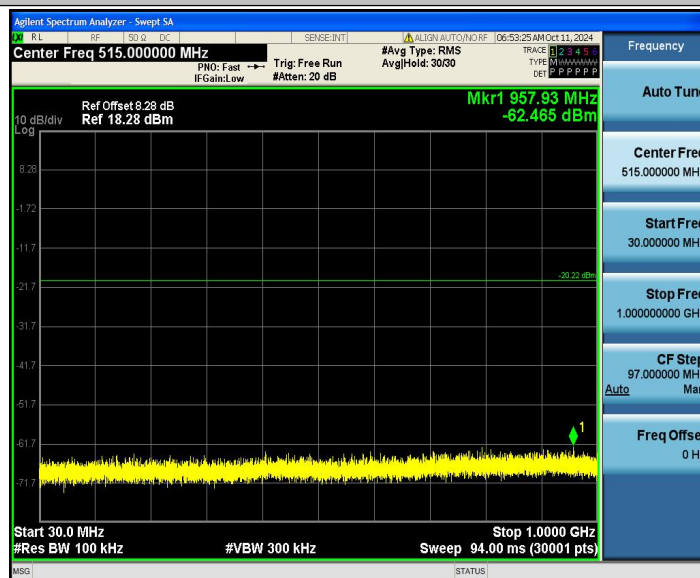
BLE_1M_Ant1_2402_1000~26500



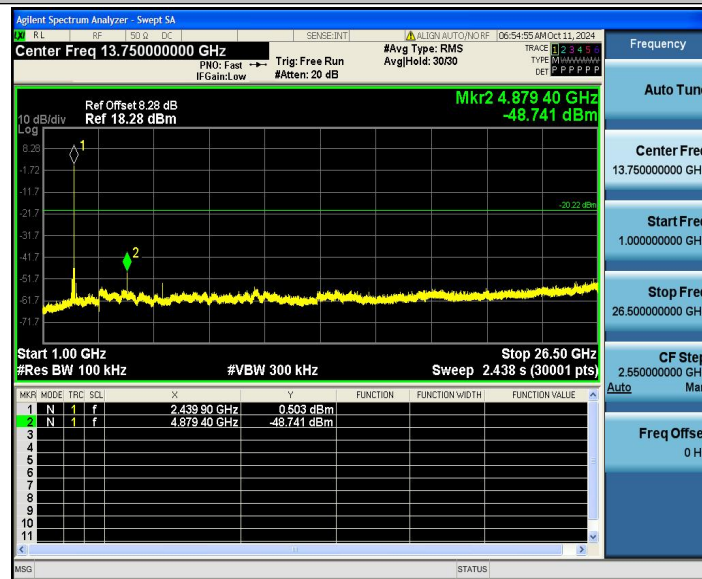
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



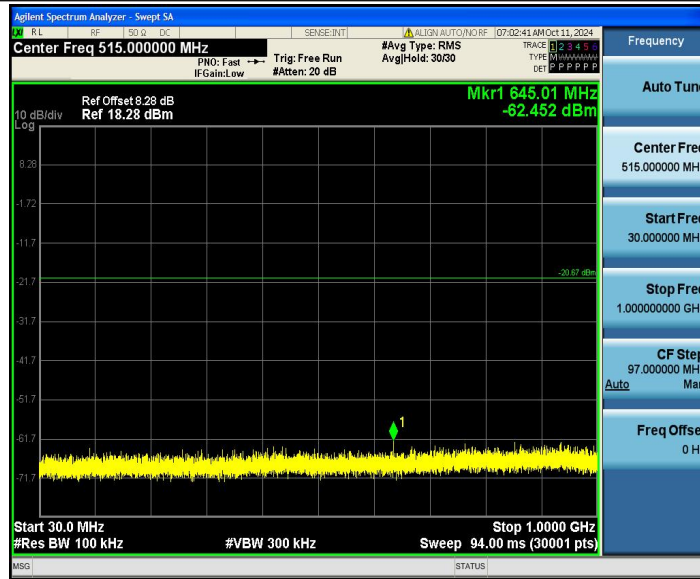
BLE_1M_Ant1_2440_1000~26500



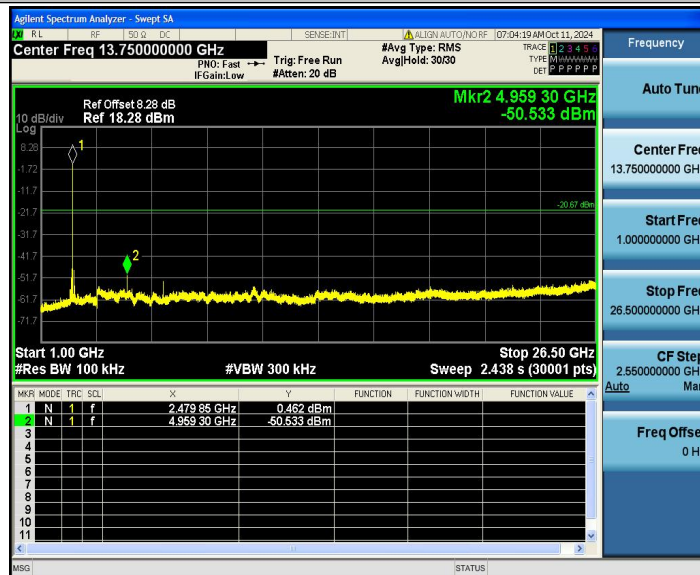
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



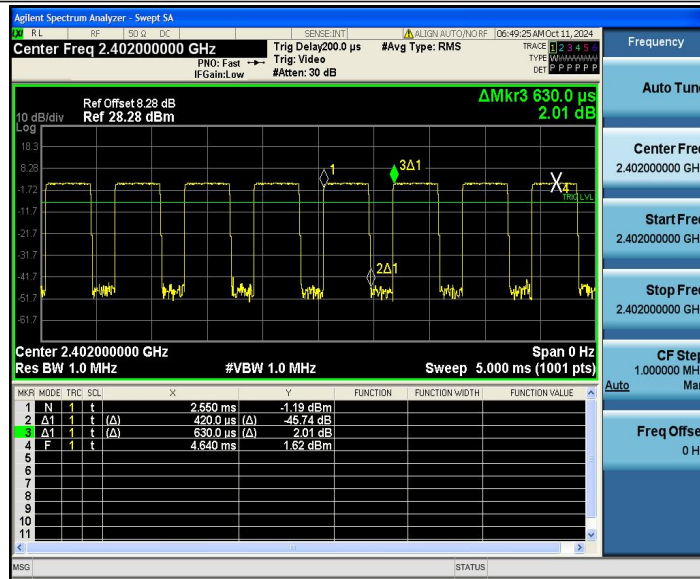
Appendix G: Duty Cycle

Test Result

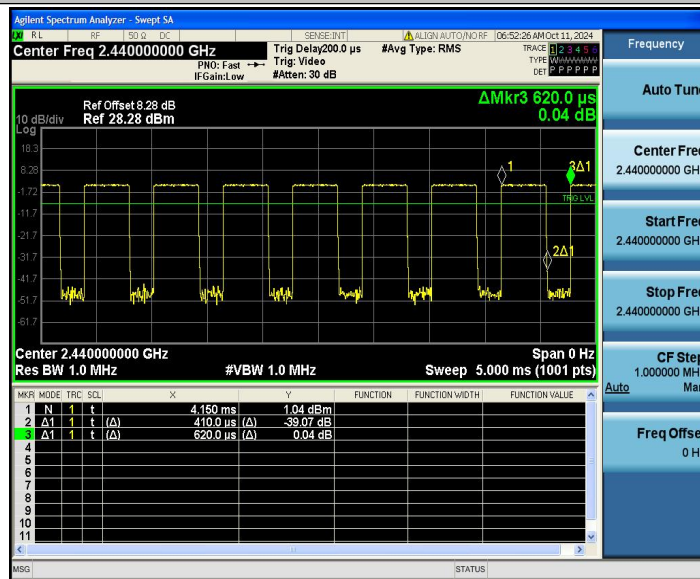
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.42	0.63	0.6667	66.67	1.76	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

