

FCC Appendix RF Test Data for BLE

FCC ID : 2A3DR-AGMP3

Company : AGM MOBILE LIMITED

EUT : 4G smart PAD Tablet

Model Number : AGM_P3_COMPACT

Report No. : CTA26040100316

Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.696	2402.336	0.5	PASS
		2440	0.676	2439.660	2440.336	0.5	PASS
		2480	0.652	2479.676	2480.328	0.5	PASS

Test Graphs



BLE_1M_Ant1_2440

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.440000000 GHz

Ref Offset 0.7 dB
Ref 30.00 dBm

10 dB/div
Log

Span 4.000 MHz

Center 2.440000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 1.000 ms (1001 pts)

Trig: Free Run

#Att: 40 dB

#Avg Type: RMS

Avg/Hold: 100/100

ALISON OFF

11:19:37 AM Apr 29, 2026

Frequency

Auto Tune

Center Freq
2.440000000 GHz

Start Freq
2.438000000 GHz

Stop Freq
2.442000000 GHz

CF Step
400.000 kHz
Man

Freq Offset
0 Hz

MSG

STATUS

Ref Offset 0.7 dB
Ref 30.00 dBm

10 dB/div
Log

Span 4.000 MHz

Center 2.440000 GHz

#Res BW 100 kHz

#VBW 300 kHz

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CF Step
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Man

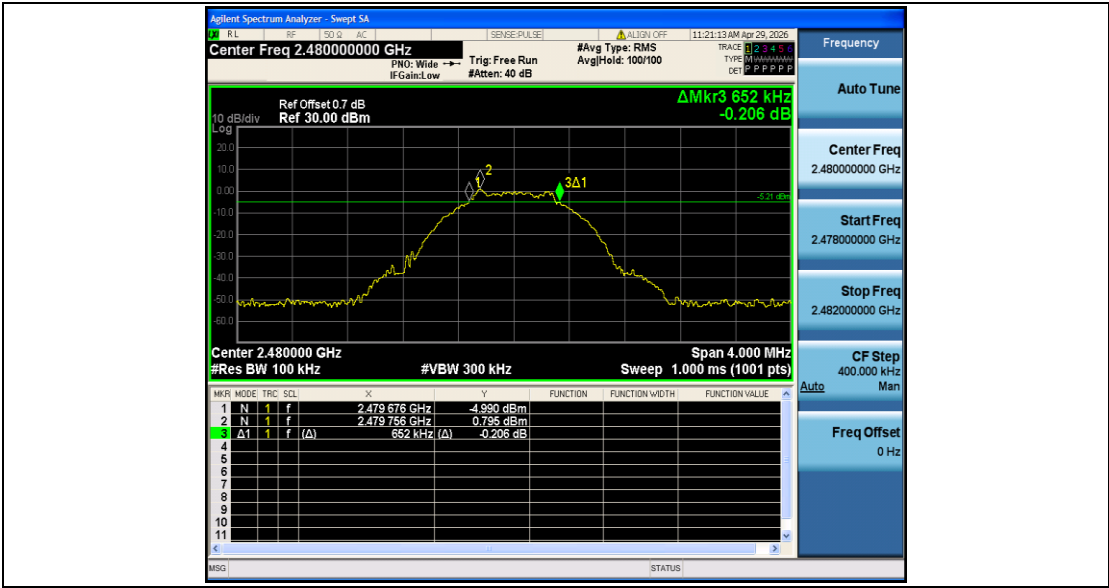
Freq Offset
0 Hz

MSG

STATUS

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439660 GHz	-4.487 dBm			
2	N	1	f	2.440012 GHz	1.442 dBm			
3	Δ	1	f (Δ)	676 kHz (Δ)	0.197 dB			

BLE_1M_Ant1_2480

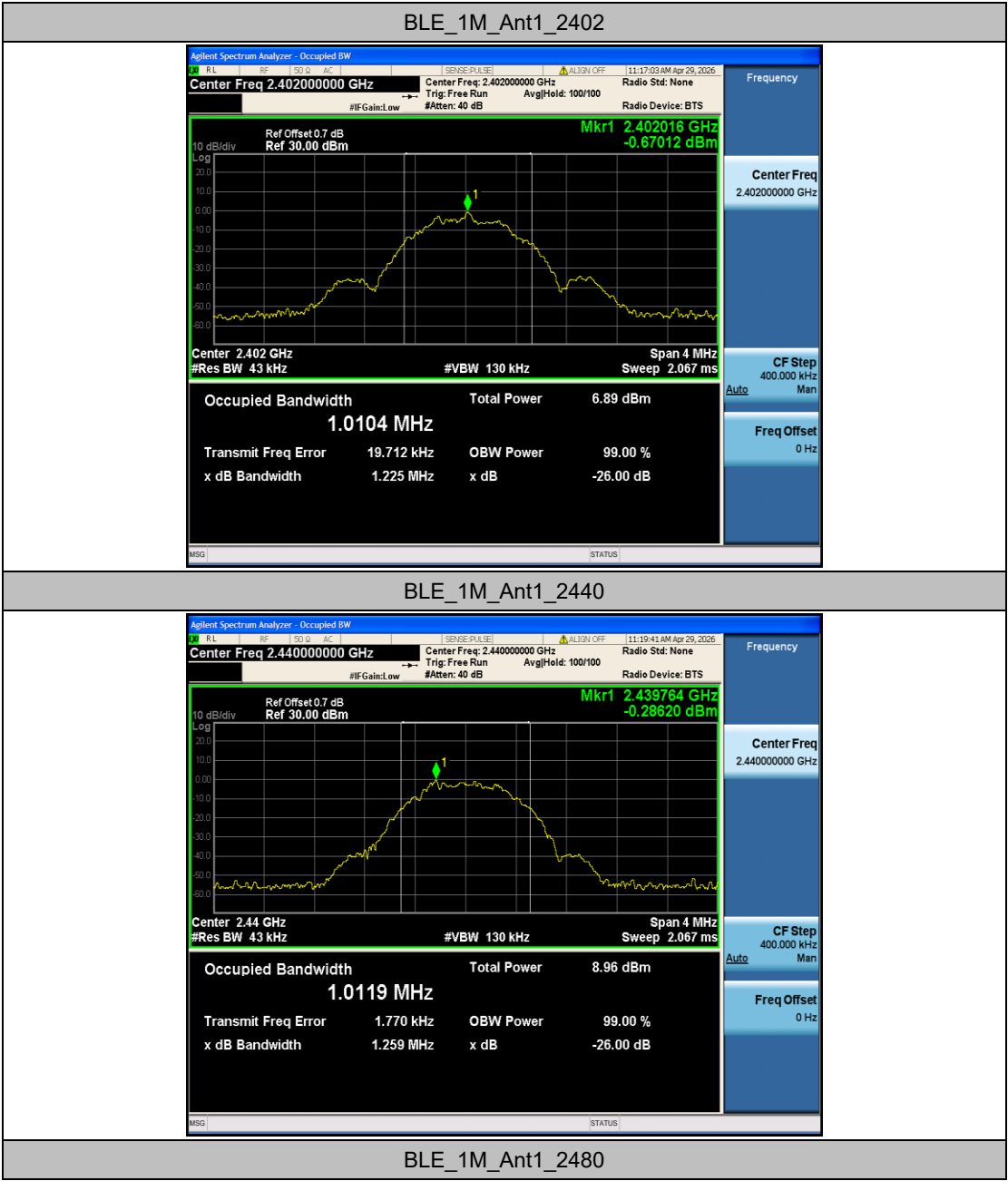


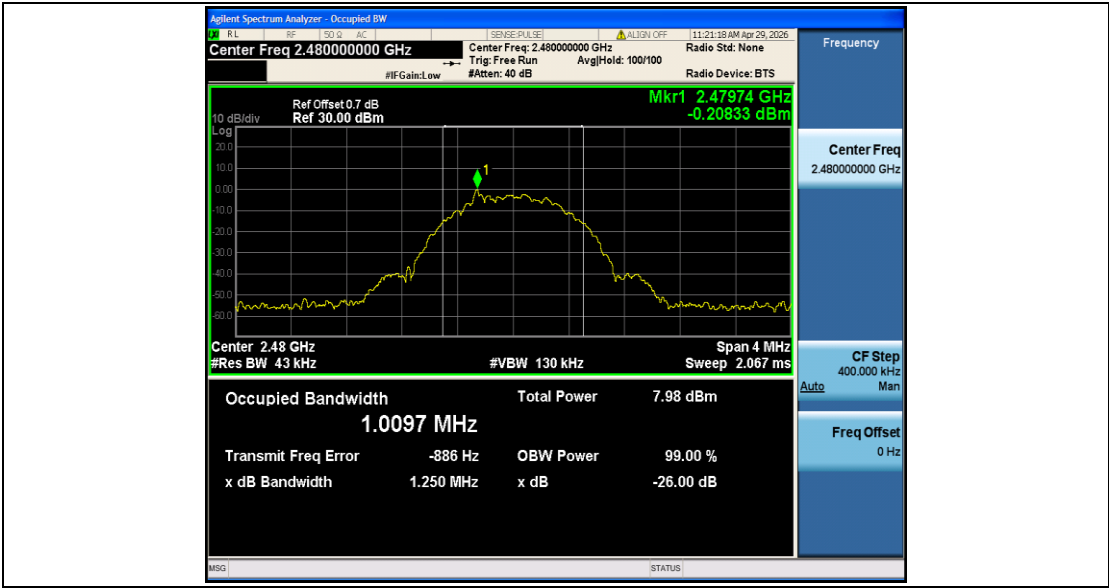
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0104	2401.5145	2402.5249	---	---
		2440	1.0119	2439.4958	2440.5077	---	---
		2480	1.0097	2479.4943	2480.5040	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.43	≤30	PASS
		2440	2.46	≤30	PASS
		2480	1.29	≤30	PASS

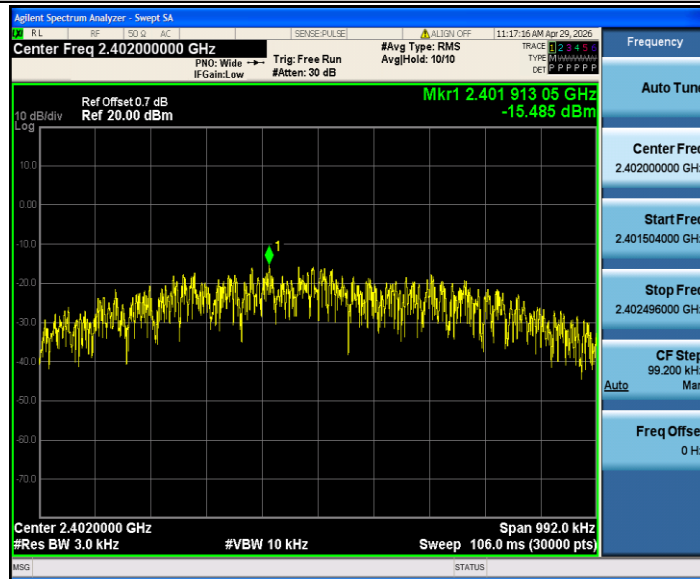
Appendix D: Maximum power spectral density

Test Result

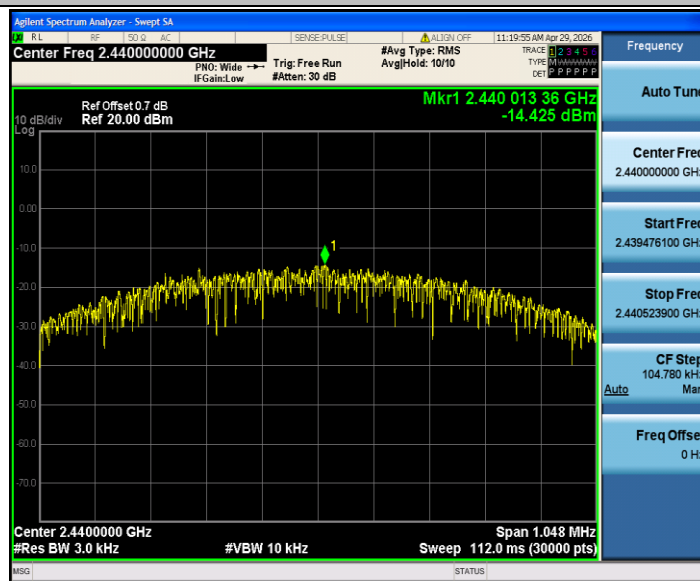
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.49	≤8.00	PASS
		2440	-14.43	≤8.00	PASS
		2480	-15.35	≤8.00	PASS

Test Graphs

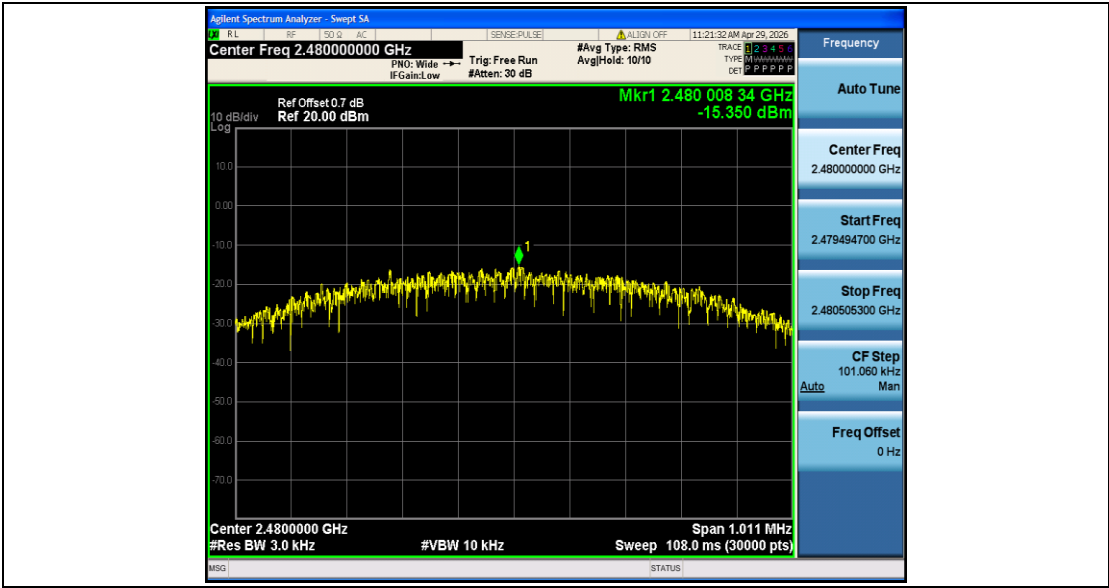
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



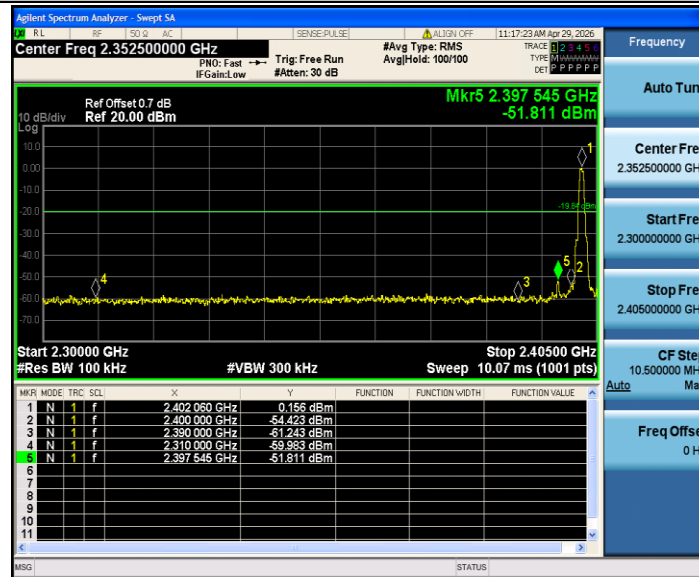
Appendix E: Band edge measurements

Test Result

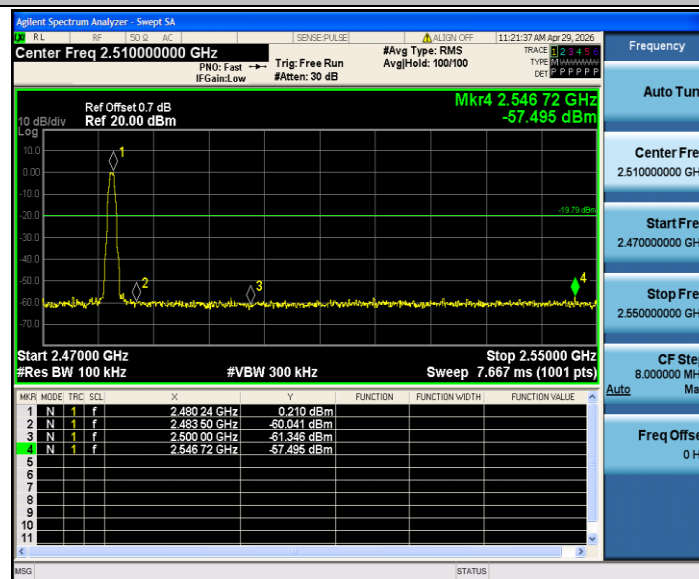
TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.16	-51.81	≤-19.84	PASS
		High	2480	0.21	-57.5	≤-19.79	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

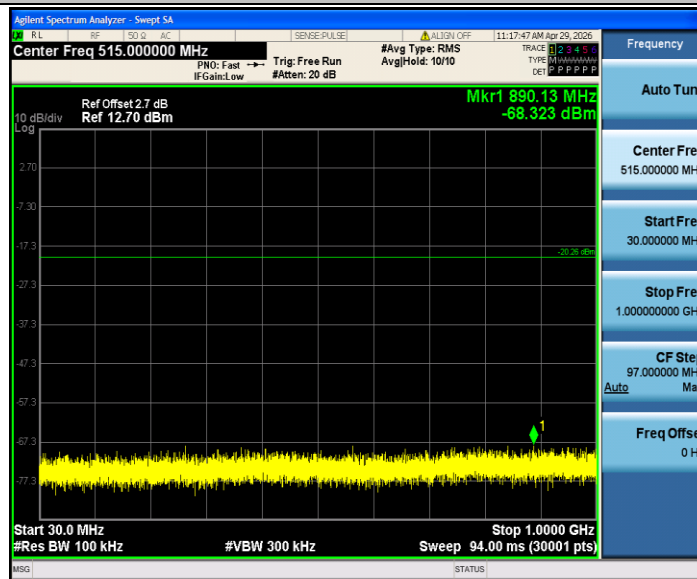
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-68.32	≤-20.26	PASS
			1000~26500	-0.26	-42.68	≤-20.26	PASS
		2440	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-67.07	≤-18.35	PASS
			1000~26500	1.65	-55.45	≤-18.35	PASS
		2480	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-68.21	≤-19.25	PASS
			1000~26500	0.75	-55.64	≤-19.25	PASS

Test Graphs

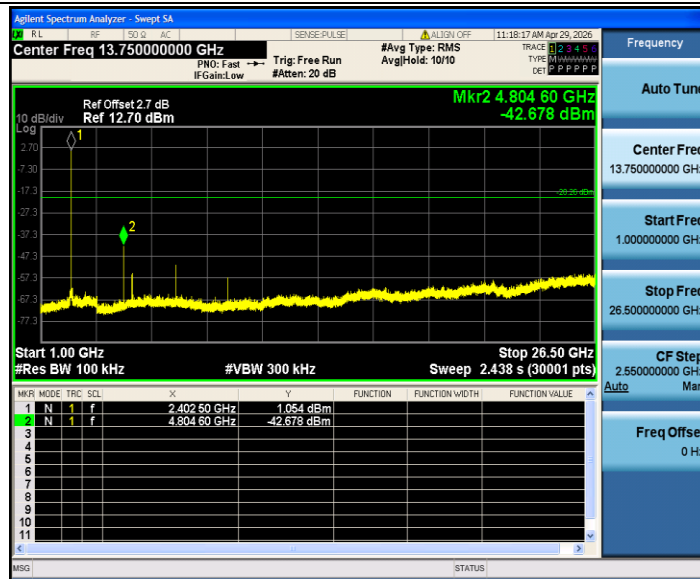
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



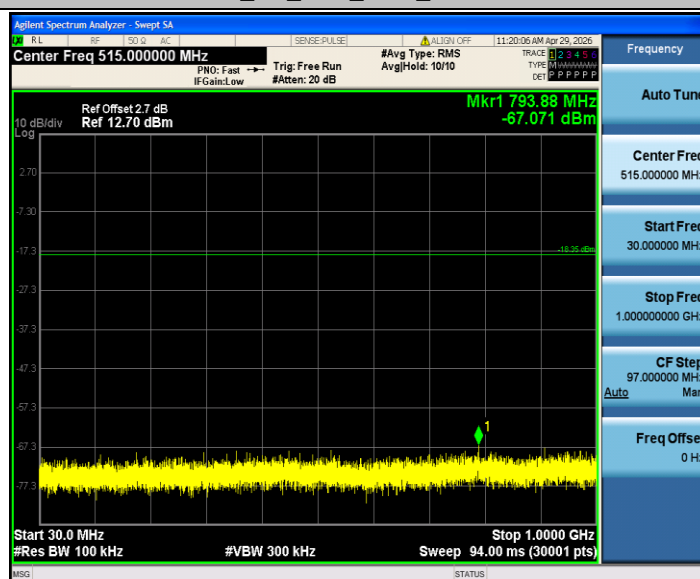
BLE_1M_Ant1_2402_1000~26500



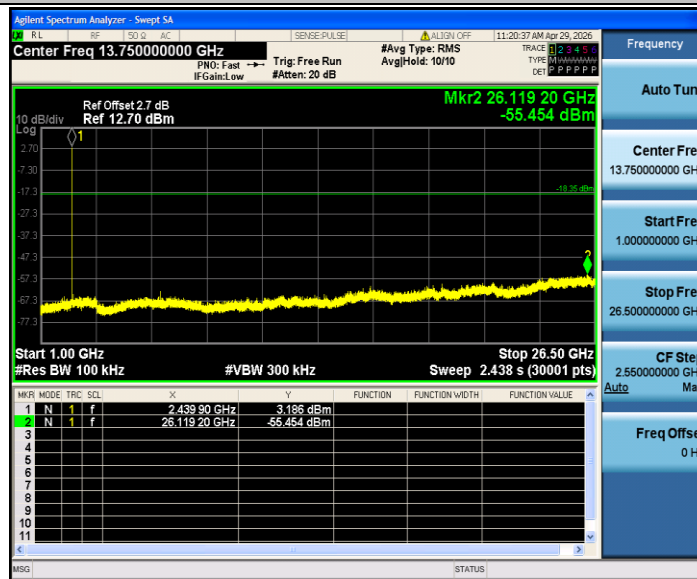
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



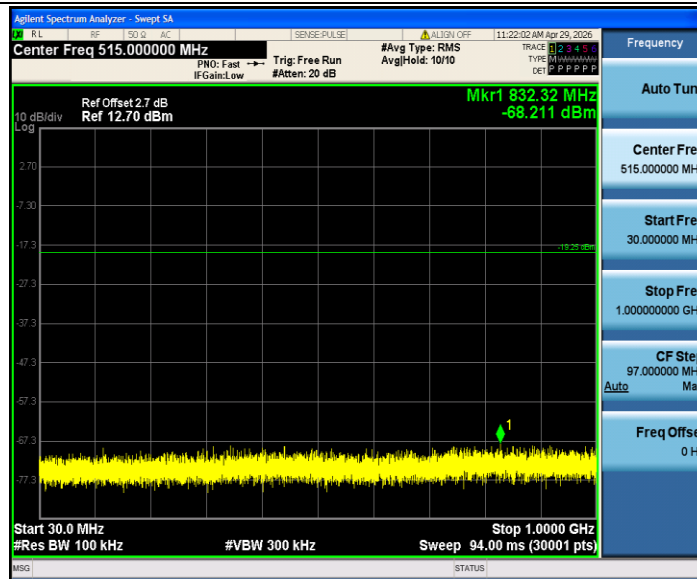
BLE_1M_Ant1_2440_1000~26500



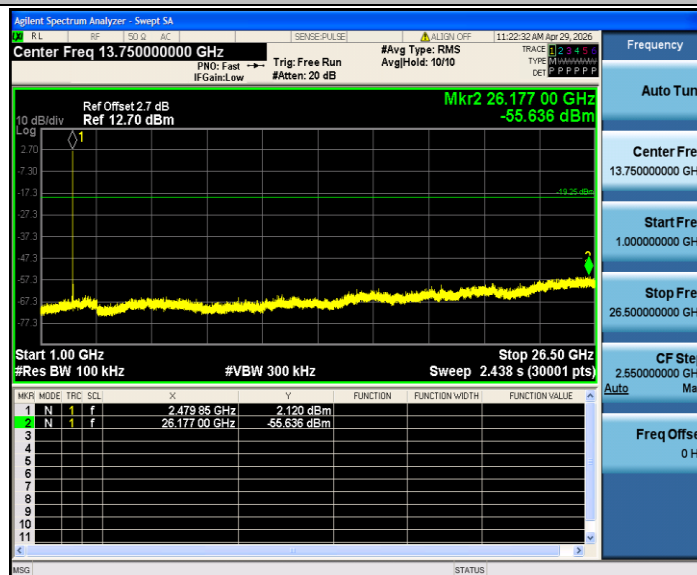
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

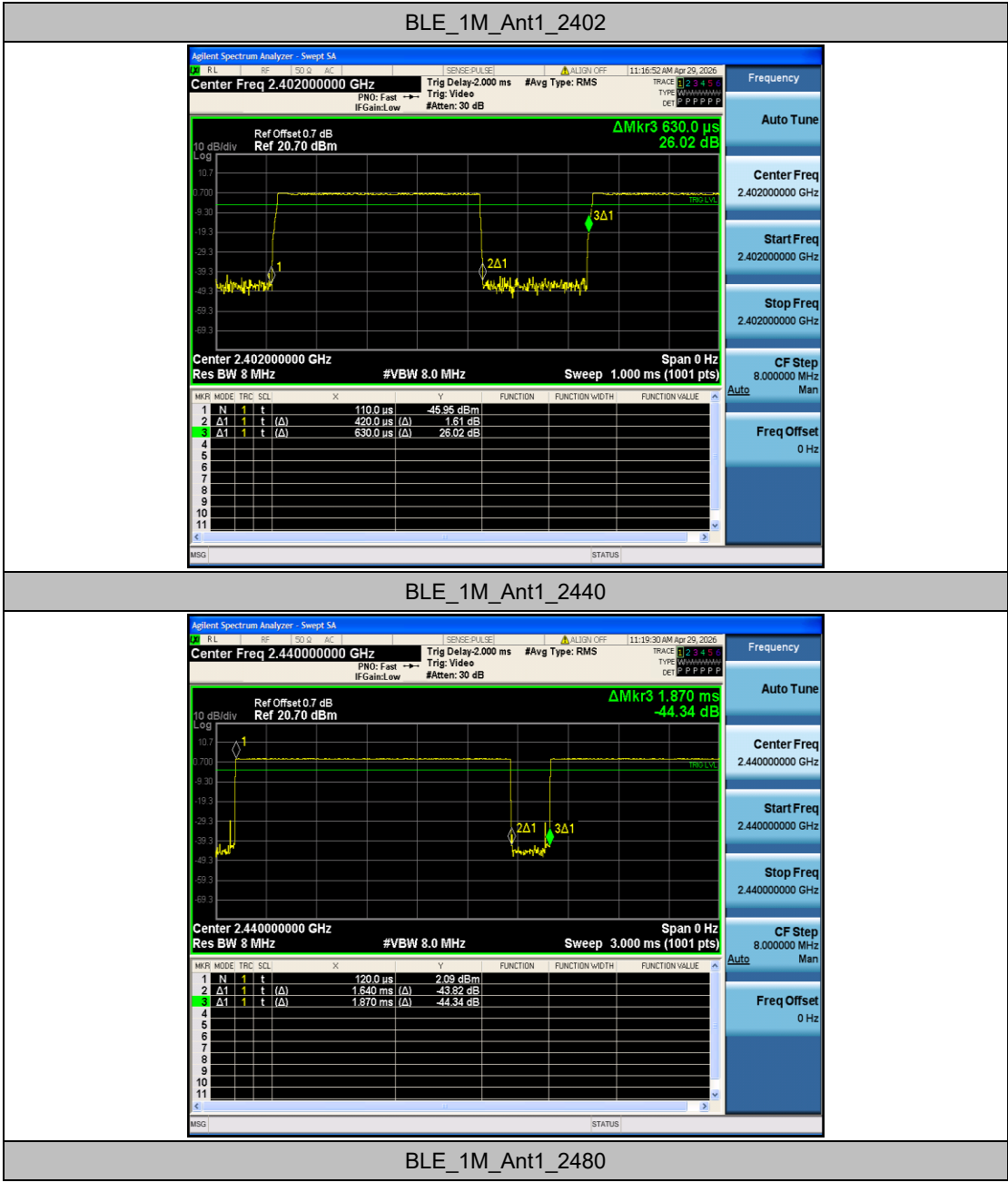


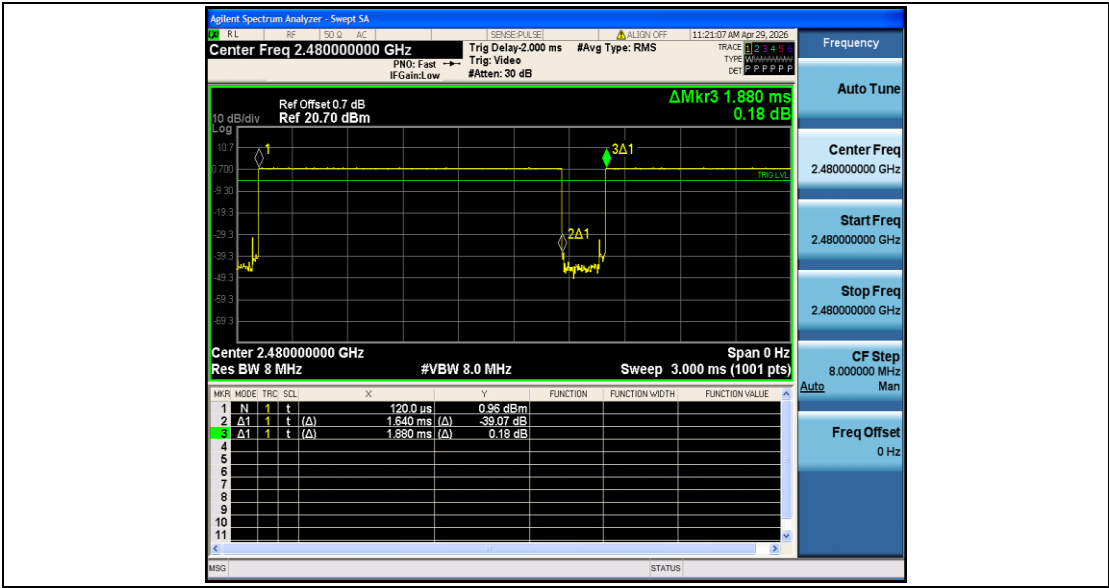
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.42	0.63	0.6667	66.67	1.76	---	---
		2440	1.64	1.87	0.8770	87.70	0.57	---	---
		2480	1.64	1.88	0.8723	87.23	0.59	---	---

Test Graphs





Appendix H: Emissions in Restricted Bands

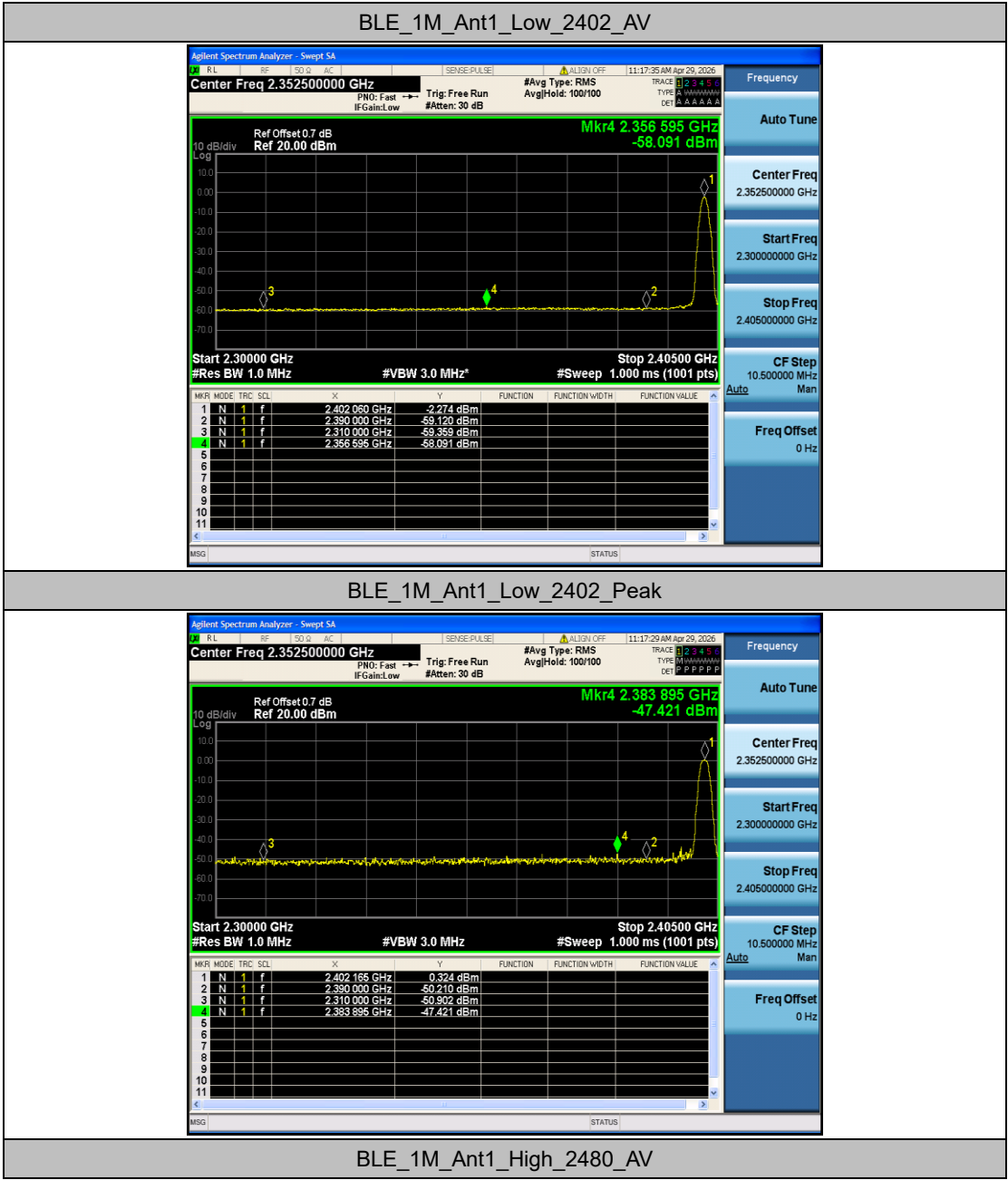
Test Result

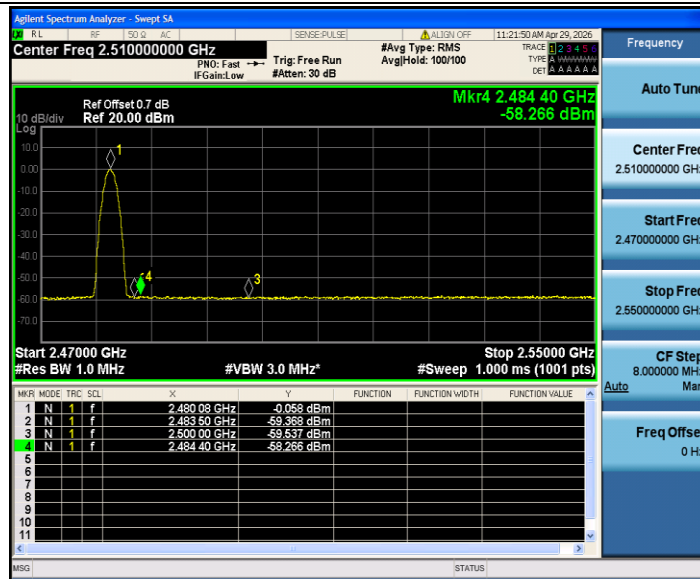
TestMode	Antenna	Channel	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-59.36	2.00	1.76	39.60	≤54	PASS
				AV	2356.595	-58.09	2.00	1.76	40.87	≤54	PASS
				AV	2390.000	-59.12	2.00	1.76	39.84	≤54	PASS
				Peak	2310.000	-50.9	2.00	0.00	46.30	≤74	PASS
				Peak	2383.895	-47.42	2.00	0.00	49.78	≤74	PASS
				Peak	2390.000	-50.21	2.00	0.00	46.99	≤74	PASS
		High	2480	AV	2483.500	-59.37	2.00	0.59	38.42	≤54	PASS
				AV	2484.400	-58.27	2.00	0.59	39.52	≤54	PASS
				AV	2500.000	-59.54	2.00	0.59	38.25	≤54	PASS
				Peak	2483.500	-51.64	2.00	0.00	45.56	≤74	PASS
				Peak	2485.040	-48.15	2.00	0.00	49.05	≤74	PASS
				Peak	2500.000	-52.57	2.00	0.00	44.63	≤74	PASS

Note:

- 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





BLE_1M_Ant1_High_2480_Peak

