



Appendix A

RF Test Data for BLE (Conducted Measurement)

Product Name: Selfie Stick Tripod

Test Model: LP586

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Monkey Li
Supervised by:	 Li huan



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A.1 DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.628	2402.340	0.5	PASS
		2440	0.712	2439.628	2440.340	0.5	PASS
		2480	0.712	2479.628	2480.340	0.5	PASS



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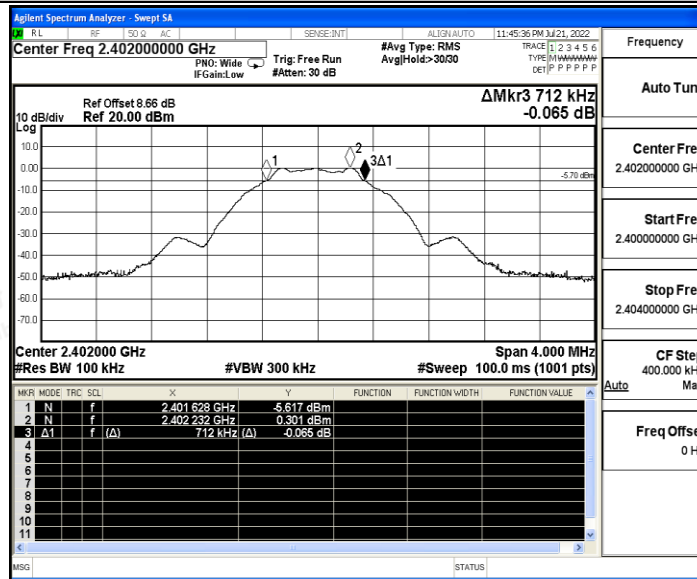
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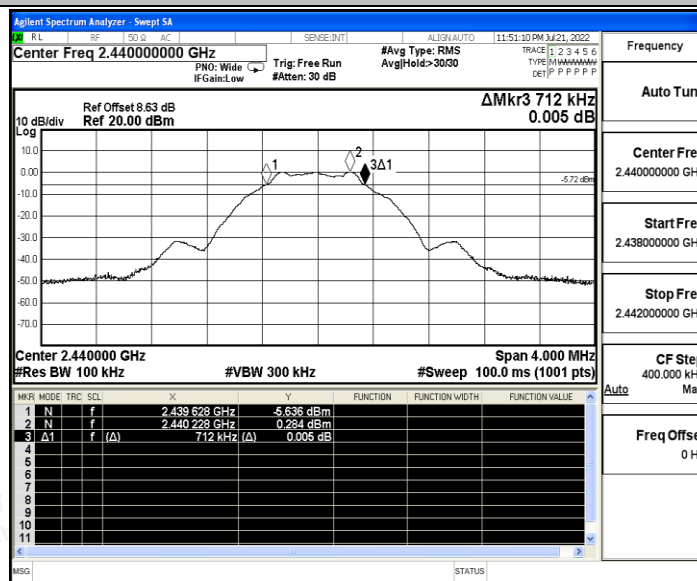


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



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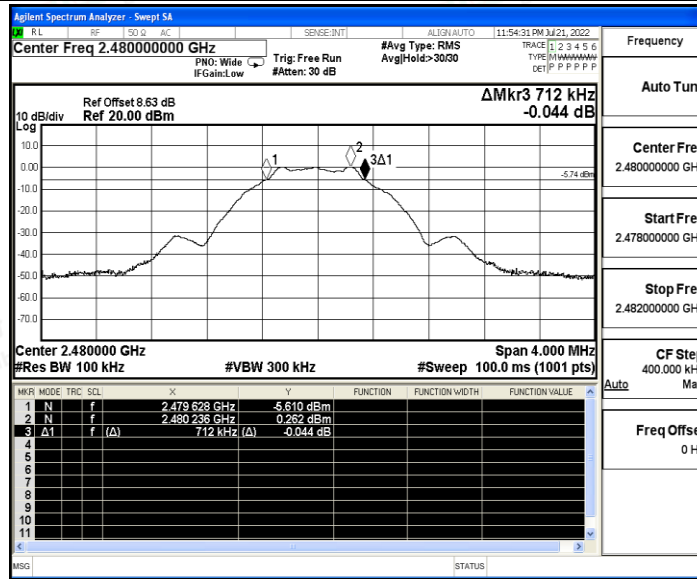
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BLE_1M_Ant1_2480



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A.2 Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0589	2401.468	2402.527	---	---
		2440	1.0619	2439.466	2440.528	---	---
		2480	1.0591	2479.468	2480.527	---	---



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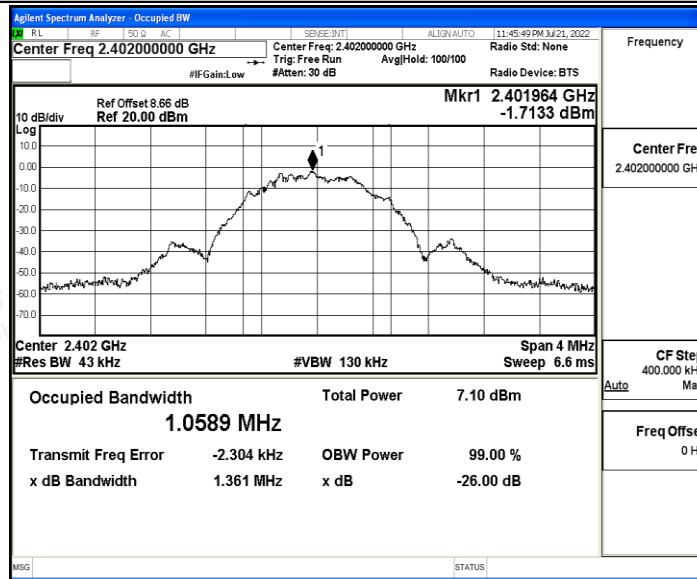
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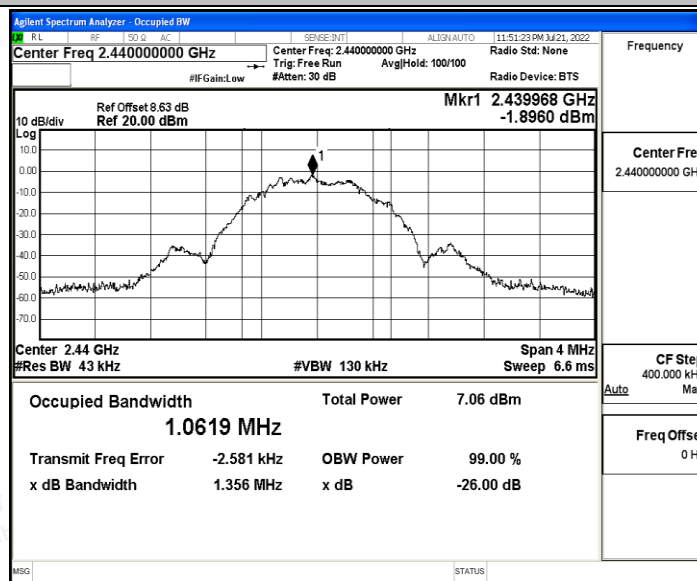


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



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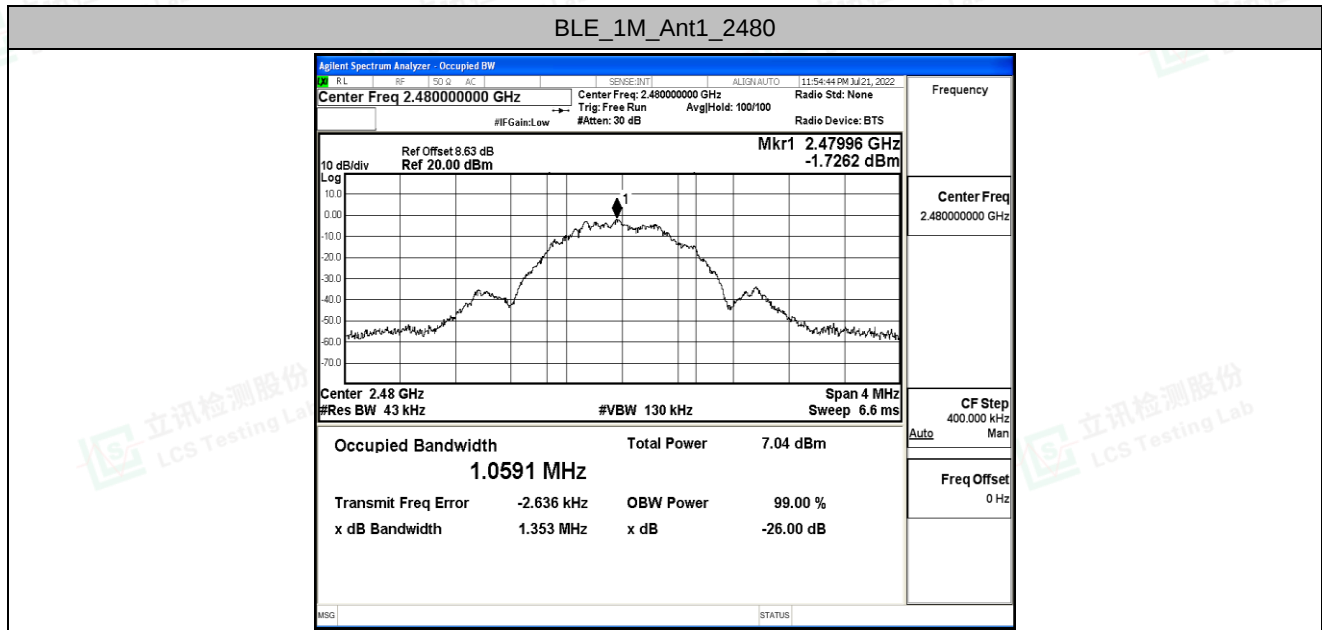
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BLE_1M_Ant1_2480



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A.3 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.24	≤30	PASS
		2440	1.22	≤30	PASS
		2480	1.22	≤30	PASS



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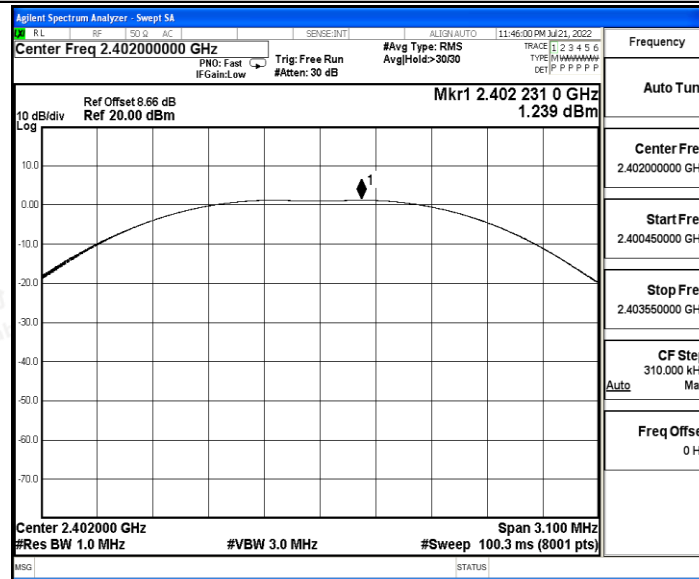
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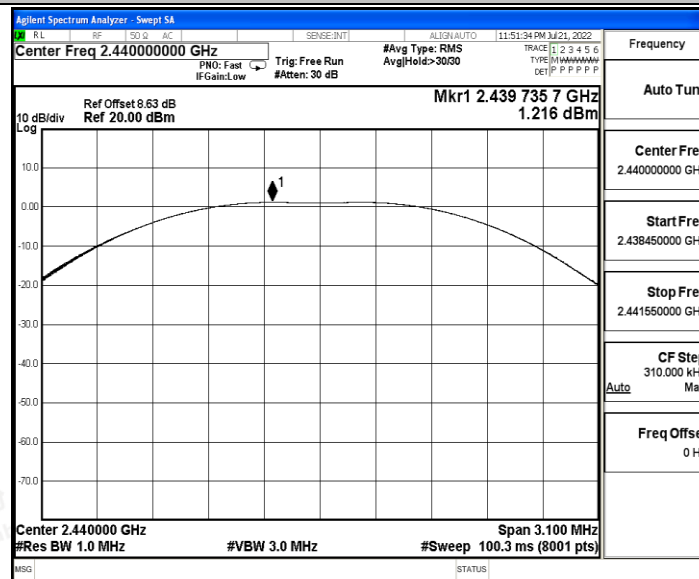


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



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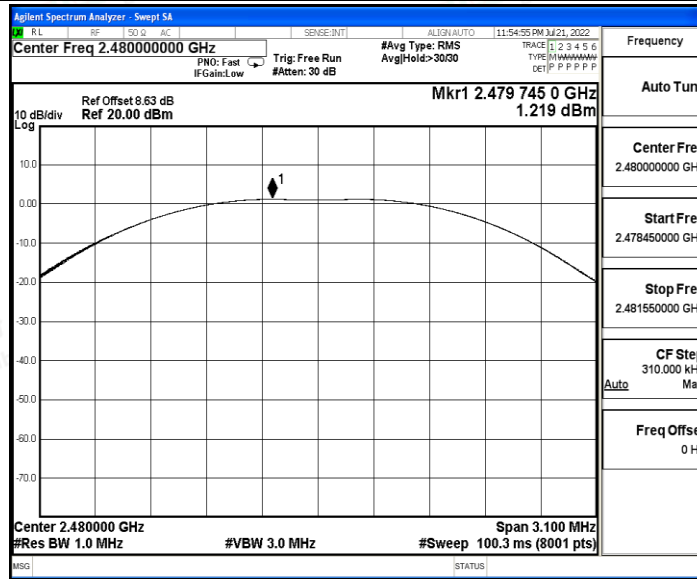
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BLE_1M_Ant1_2480



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A.4 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.86	≤8.00	PASS
		2440	-13.84	≤8.00	PASS
		2480	-13.93	≤8.00	PASS



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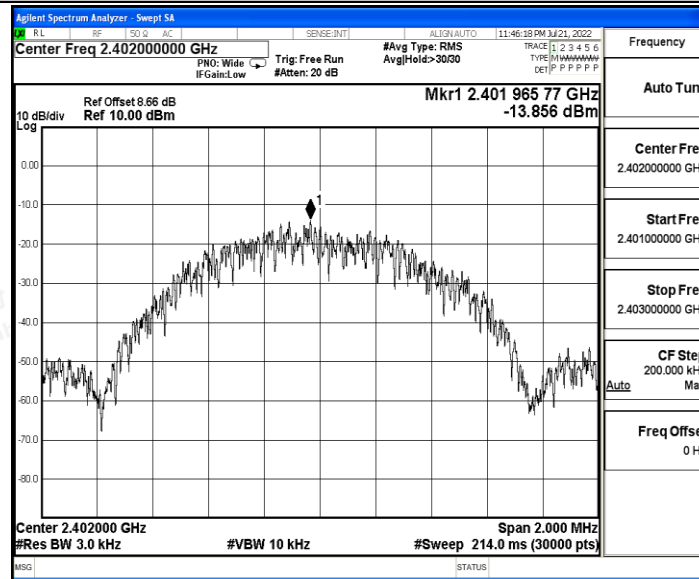
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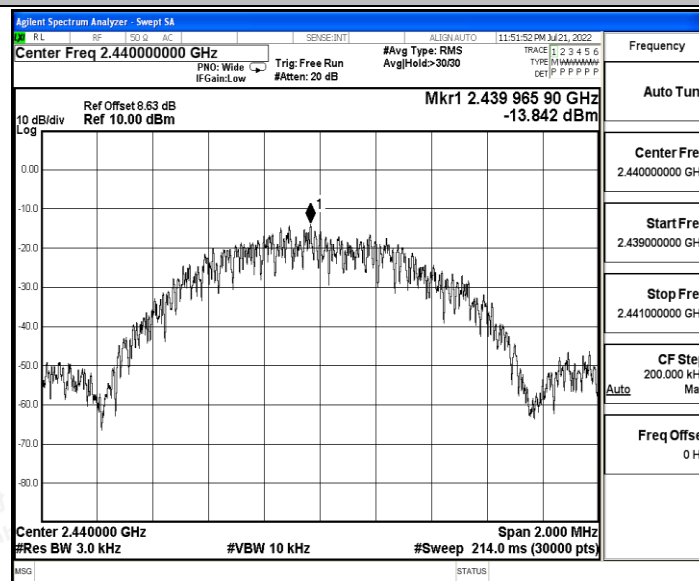


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

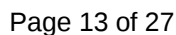


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A.5 Band edge measurements

Test Result

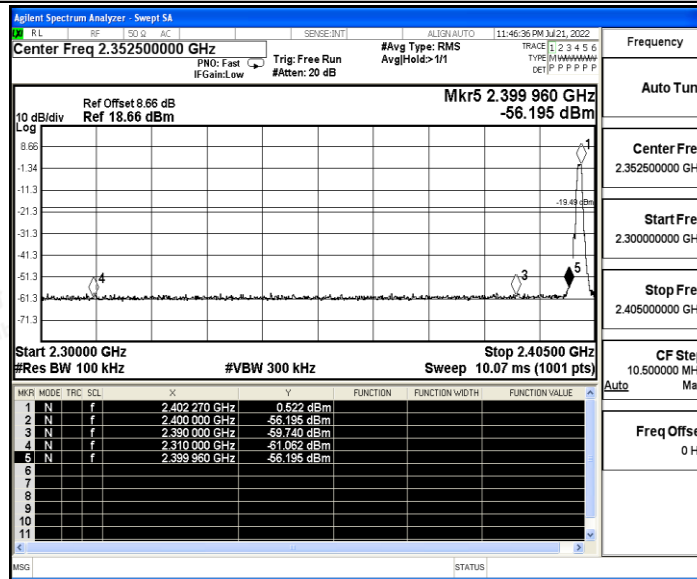
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.51	-56.2	≤-19.49	PASS
		High	2480	0.49	-57.62	≤-19.51	PASS



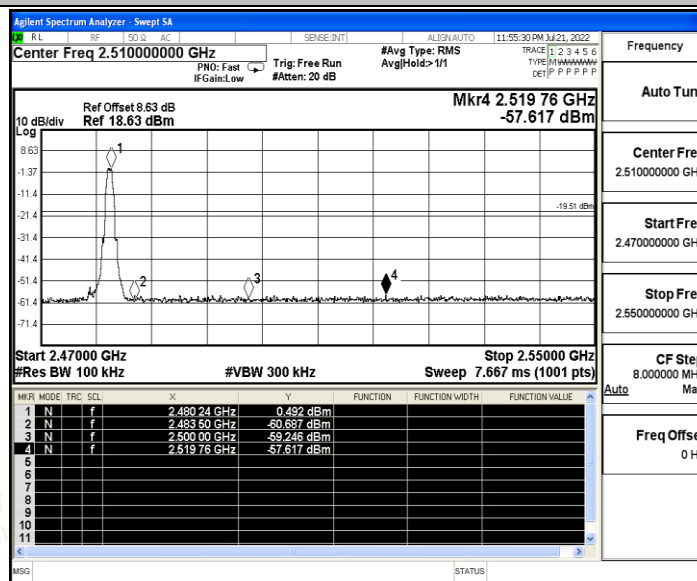


Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



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A.6 Conducted RF Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-60.38	≤-19.66	PASS
			1000~26500	0.34	-45.86	≤-19.66	PASS
		2440	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-60.54	≤-19.7	PASS
			1000~26500	0.30	-46.18	≤-19.7	PASS
		2480	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-60.13	≤-19.71	PASS
			1000~26500	0.29	-46.06	≤-19.71	PASS



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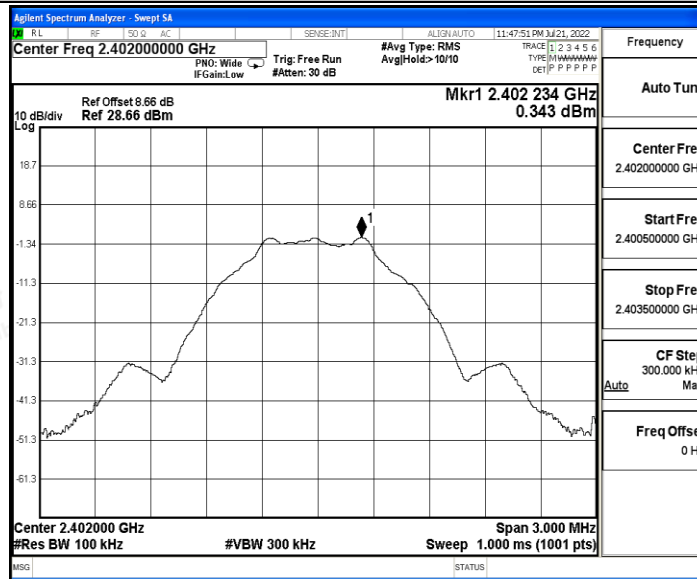
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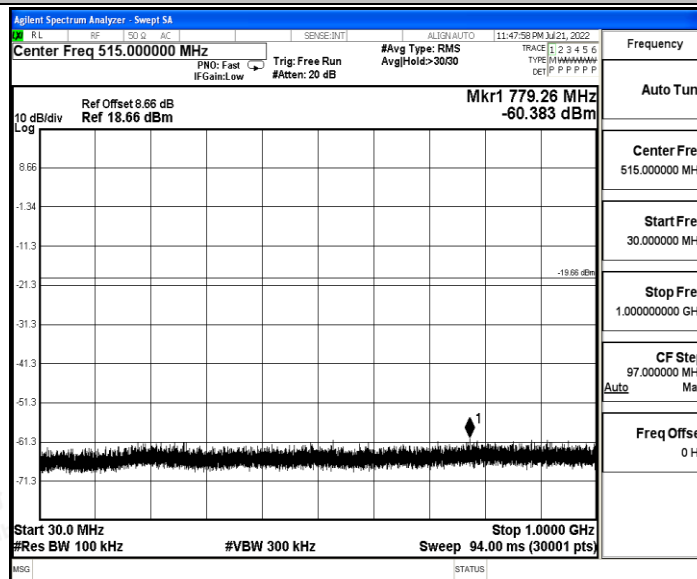


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



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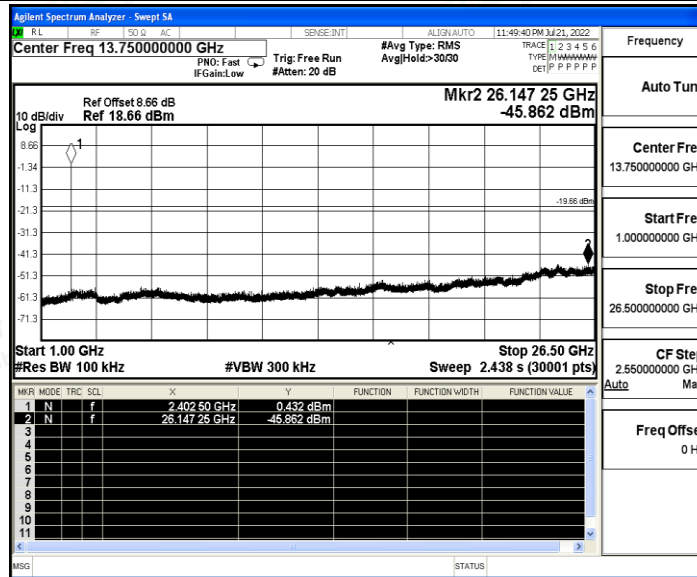
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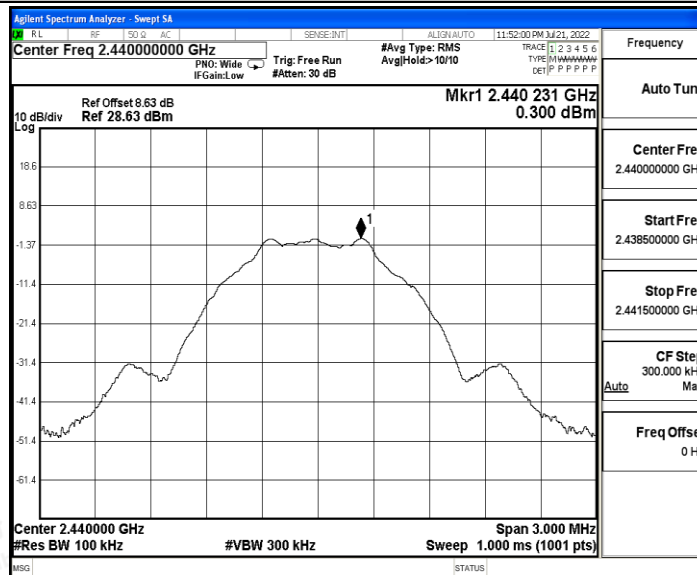
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BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



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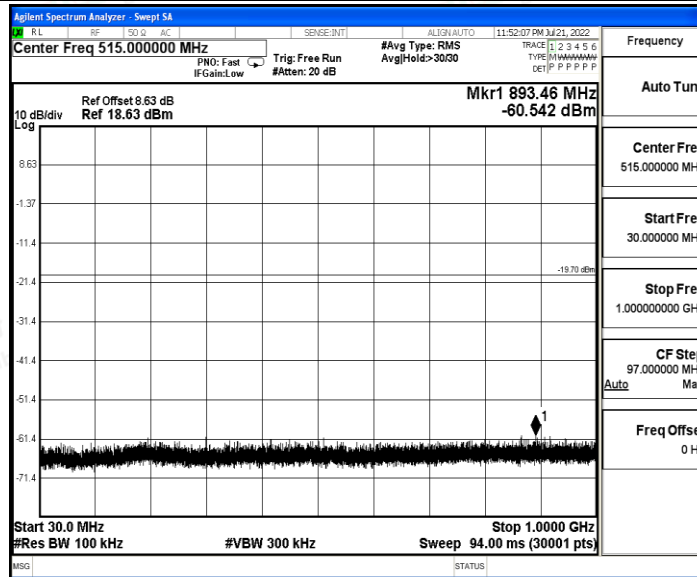
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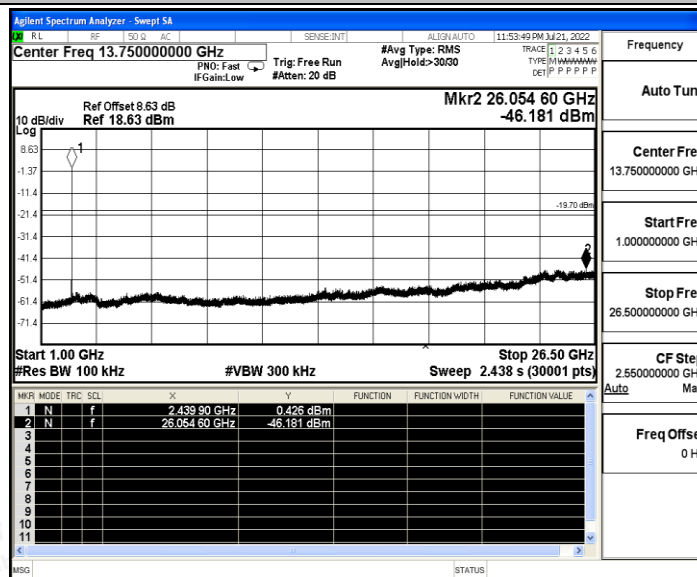
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BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



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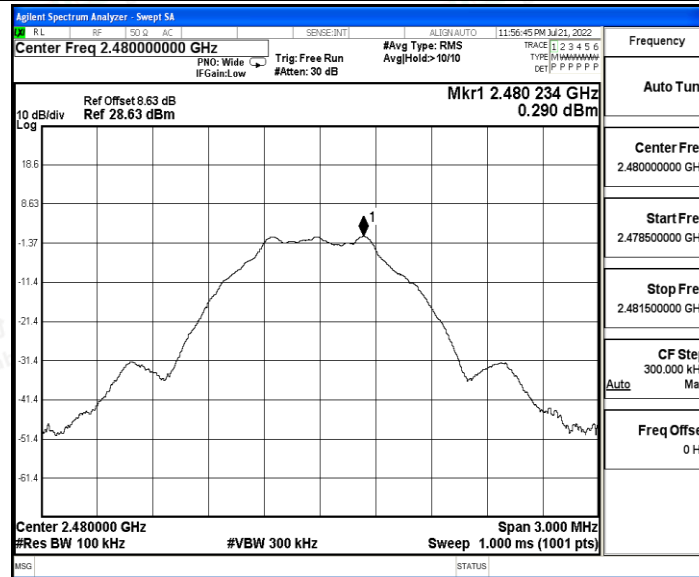
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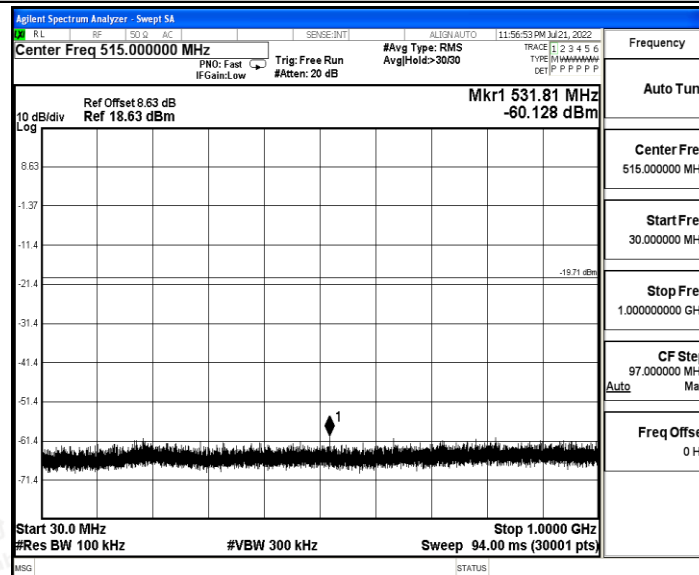
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BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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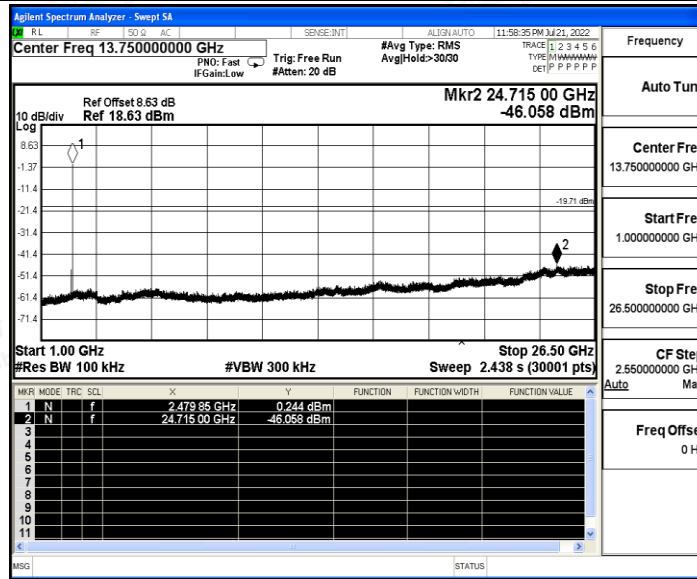
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BLE_1M_Ant1_2480_1000-26500



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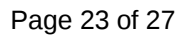


A.7 Duty Cycle

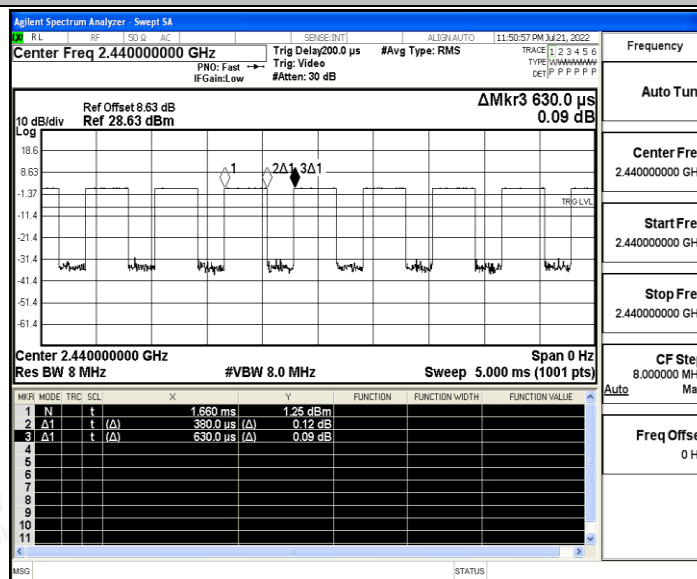
Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	1/T	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	0.6190	61.90	2.08	2.56	---	---
		2440	0.38	0.63	0.6032	60.32	2.20	2.63	---	---
		2480	0.39	0.63	0.6190	61.90	2.08	2.56	---	---





BLE_1M_Ant1_2402

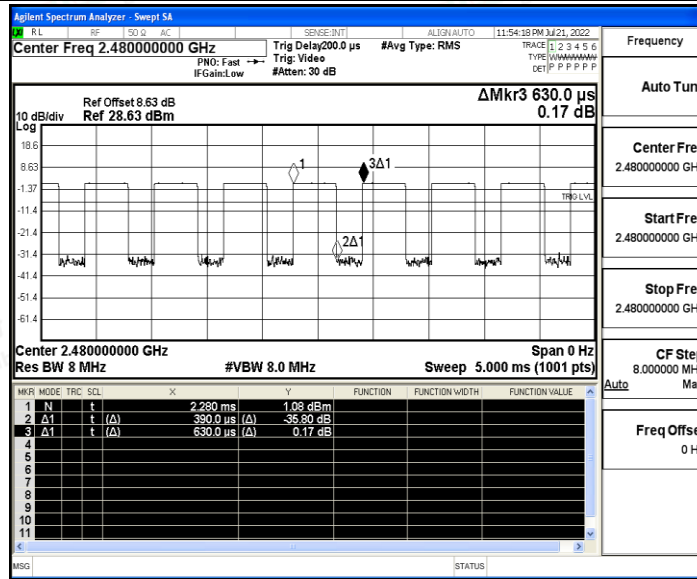


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BLE_1M_Ant1_2480



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A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-57.23	≤-41.20	37.97	≤54	PASS
				AV	2379.485	-56.51	≤-41.20	38.69	≤54	PASS
				AV	2390.000	-56.89	≤-41.20	38.31	≤54	PASS
				Peak	2310.000	-48.07	≤-21.20	47.13	≤74	PASS
				Peak	2379.590	-46.54	≤-21.20	48.66	≤74	PASS
				Peak	2390.000	-47.83	≤-21.20	47.37	≤74	PASS
		High	2480	AV	2483.500	-52.81	≤-41.20	42.39	≤54	PASS
				AV	2483.520	-52.81	≤-41.20	42.39	≤54	PASS
				AV	2500.000	-56.34	≤-41.20	38.86	≤54	PASS
				Peak	2483.500	-46.6	≤-21.20	48.60	≤74	PASS
				Peak	2485.600	-46.07	≤-21.20	49.13	≤74	PASS
				Peak	2500.000	-47.59	≤-21.20	47.61	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. 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.



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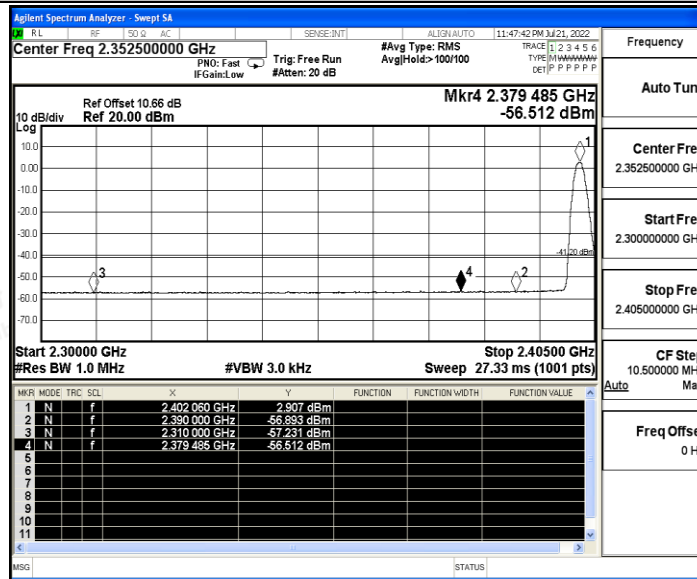
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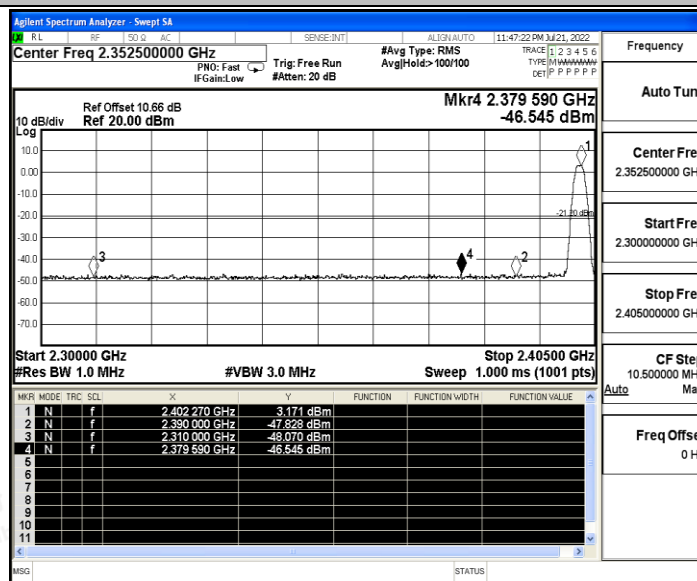


Test Graphs

BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



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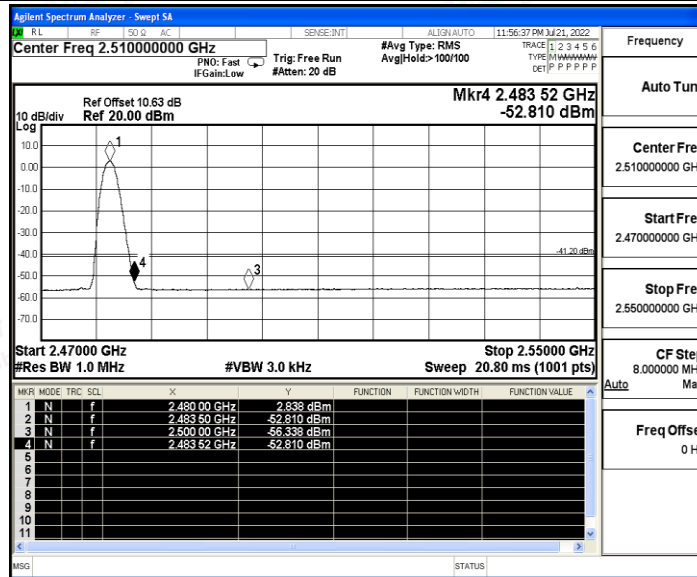
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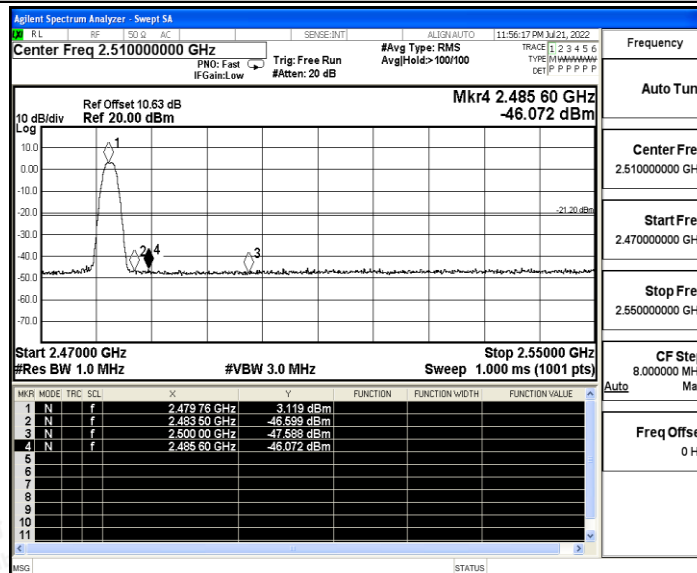
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BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak



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