



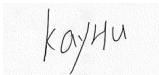
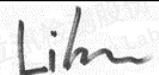
Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Enjox Yami

Test Model: Yami

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Kay Hu
Supervised by:	 Li Huan



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A.1 DTS Bandwidth

Test Result

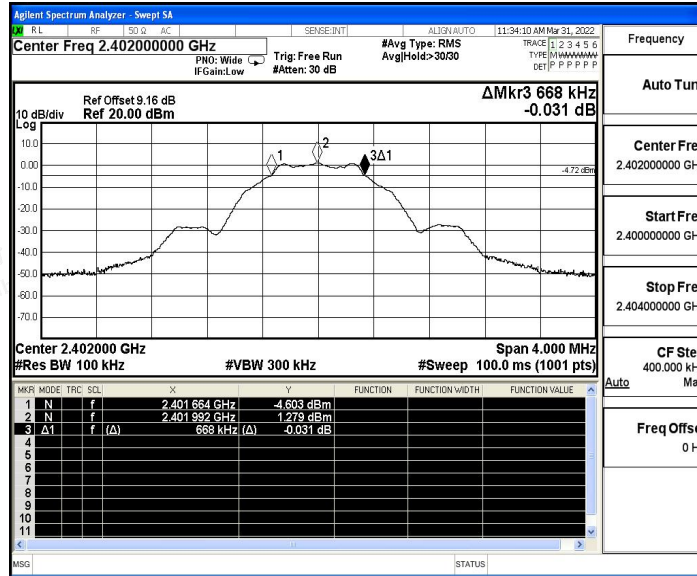
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.664	2402.332	0.5	PASS
		2440	0.664	2439.668	2440.332	0.5	PASS
		2480	0.668	2479.664	2480.332	0.5	PASS



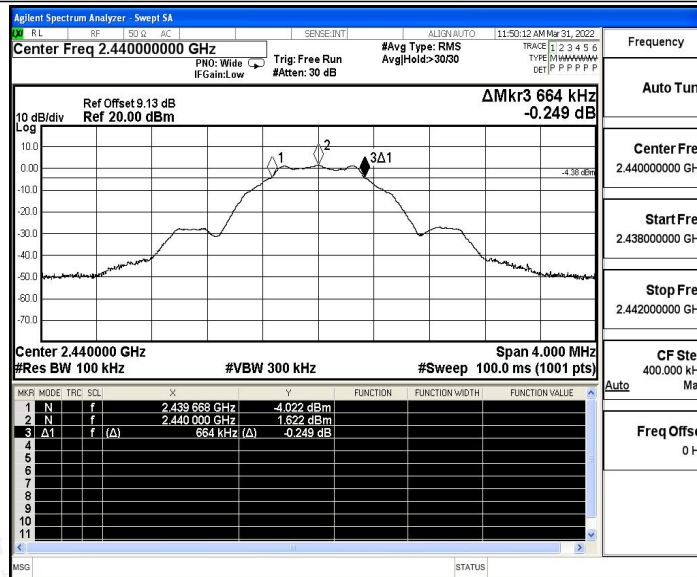


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

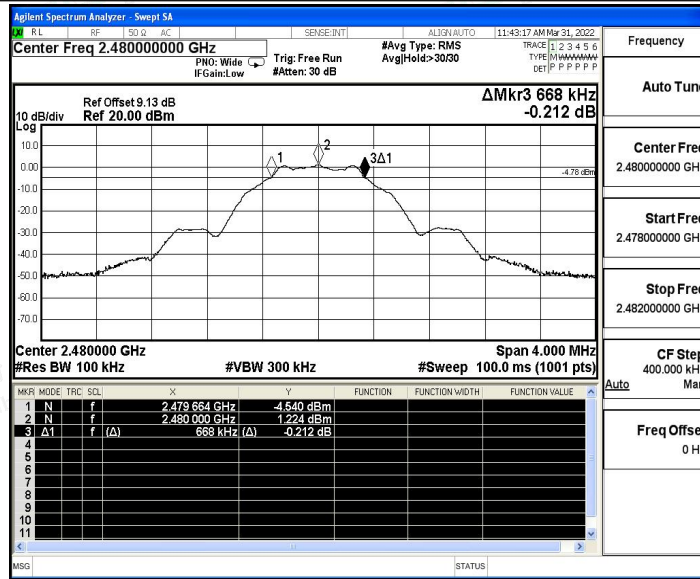


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A.2 Maximum peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.86	≤30	PASS
		2440	2.18	≤30	PASS
		2480	1.77	≤30	PASS



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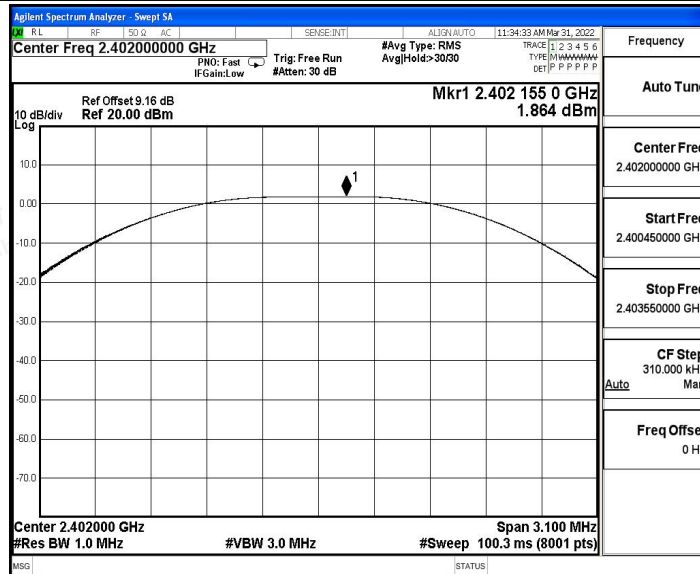
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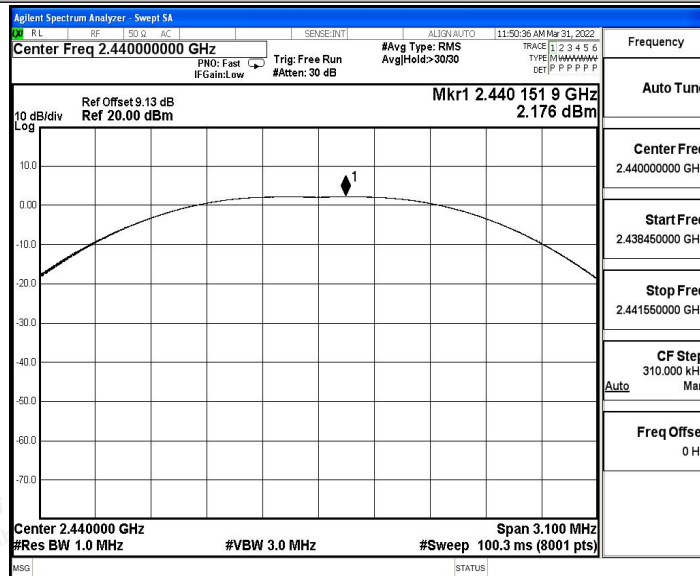


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

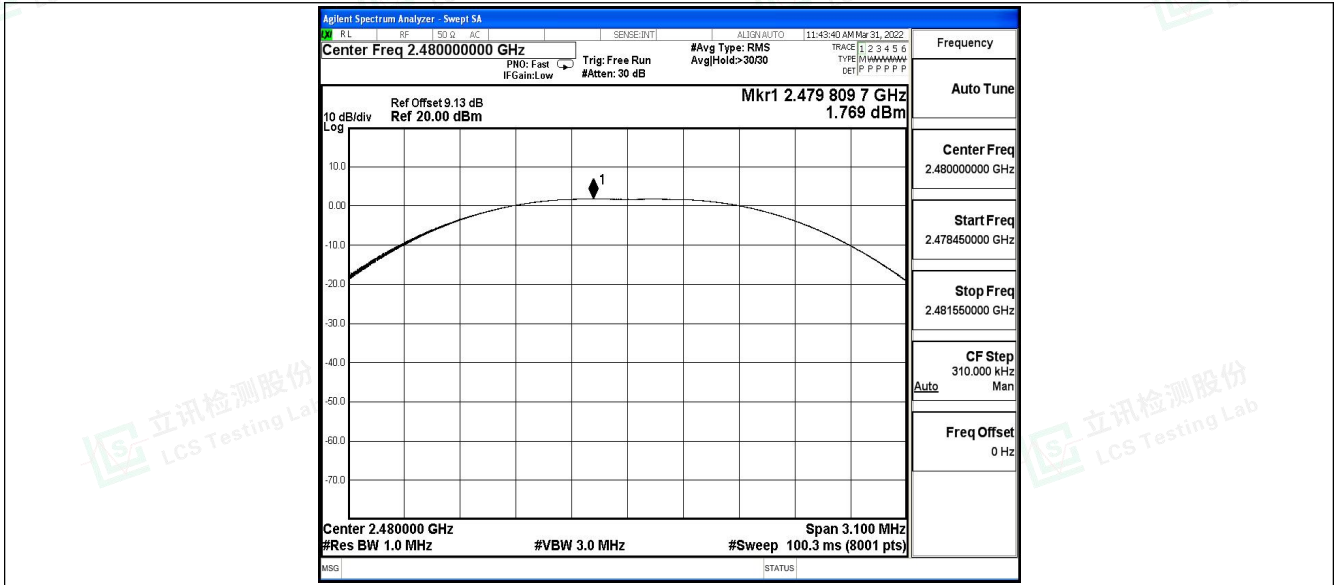


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A.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.91	≤8.00	PASS
		2440	-12.69	≤8.00	PASS
		2480	-13.08	≤8.00	PASS



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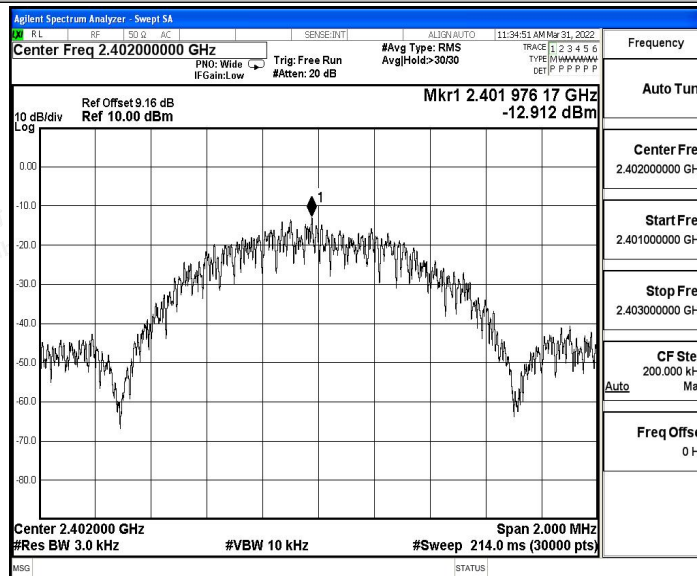
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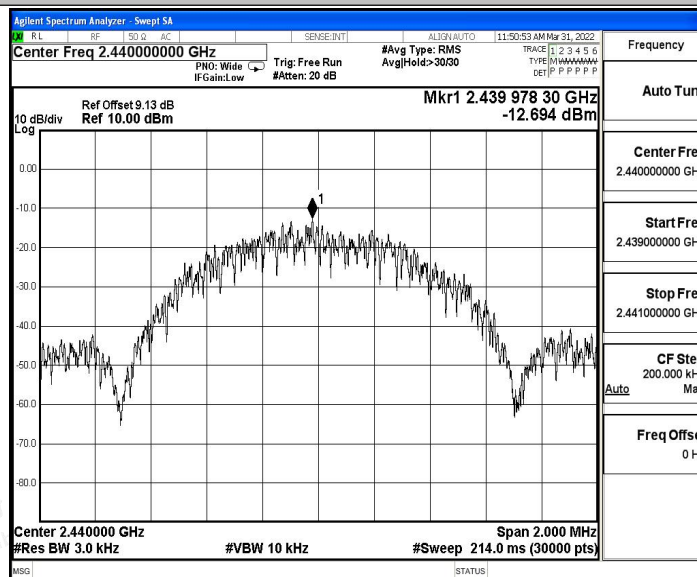


Test Graphs

BLE_1M_Ant1_2402

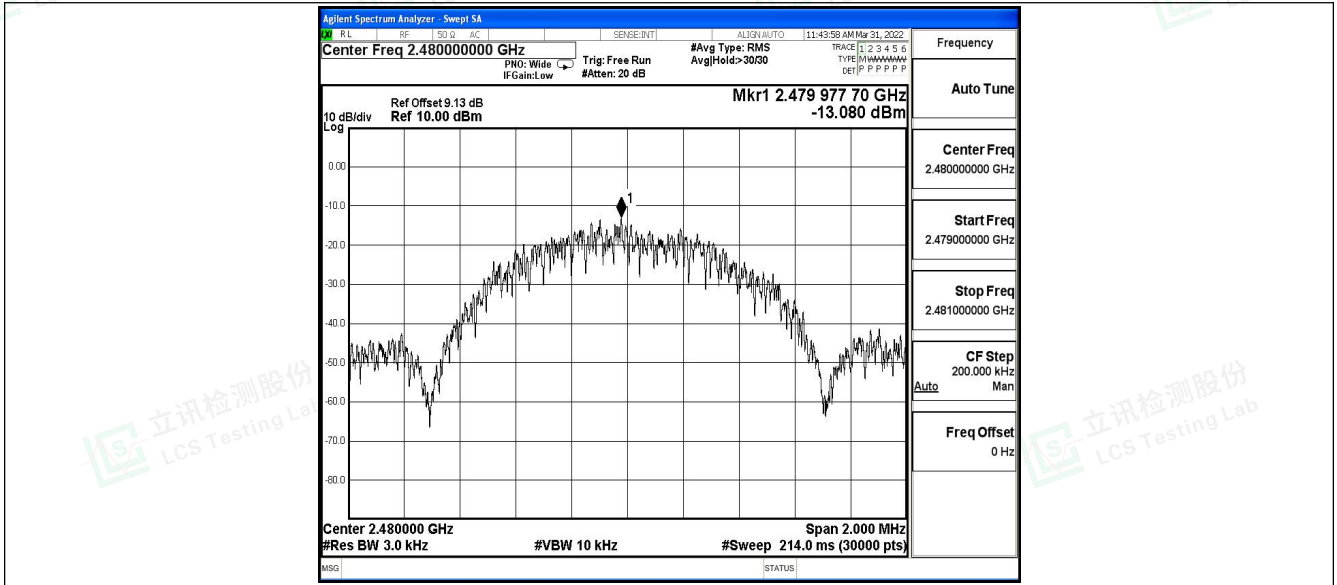


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





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A.4 Band edge measurements

Test Result

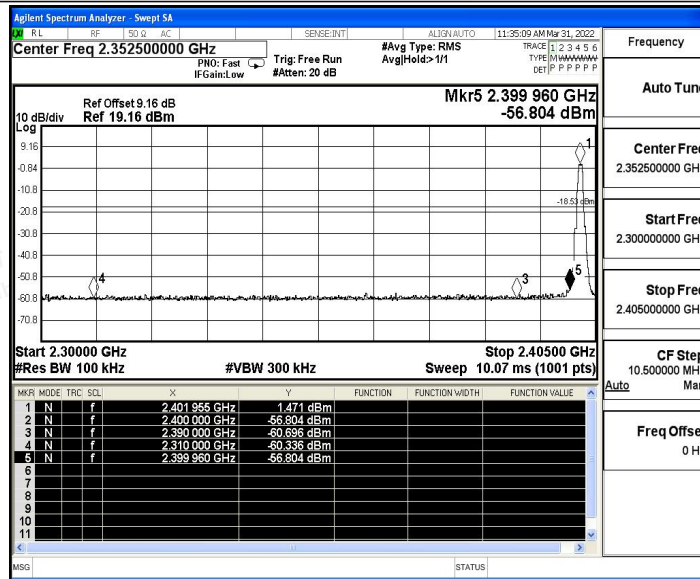
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.47	-56.8	≤-18.53	PASS
		High	2480	1.28	-57.09	≤-18.73	PASS



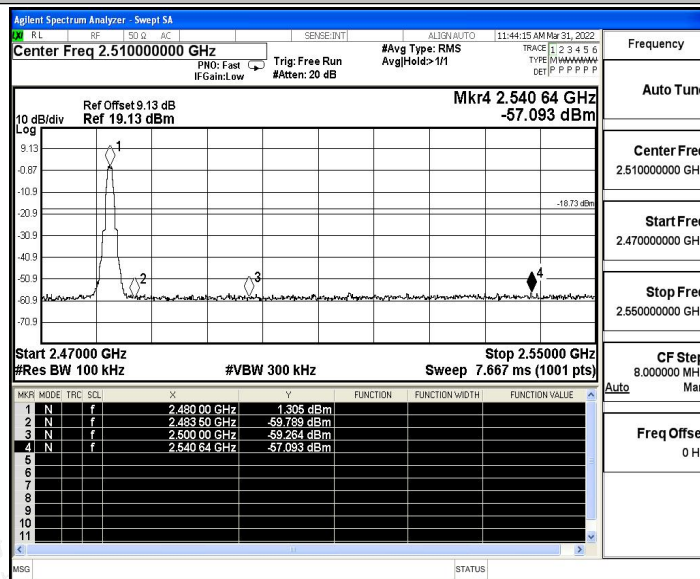


Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



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A.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-60.16	≤ -18.68	PASS
			1000~26500	1.32	-45.13	≤ -18.68	PASS
		2440	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-60.44	≤ -18.38	PASS
			1000~26500	1.62	-45.48	≤ -18.38	PASS
		2480	Reference	1.26	1.26	---	PASS
			30~1000	1.26	-59.98	≤ -18.74	PASS
			1000~26500	1.26	-45.2	≤ -18.74	PASS



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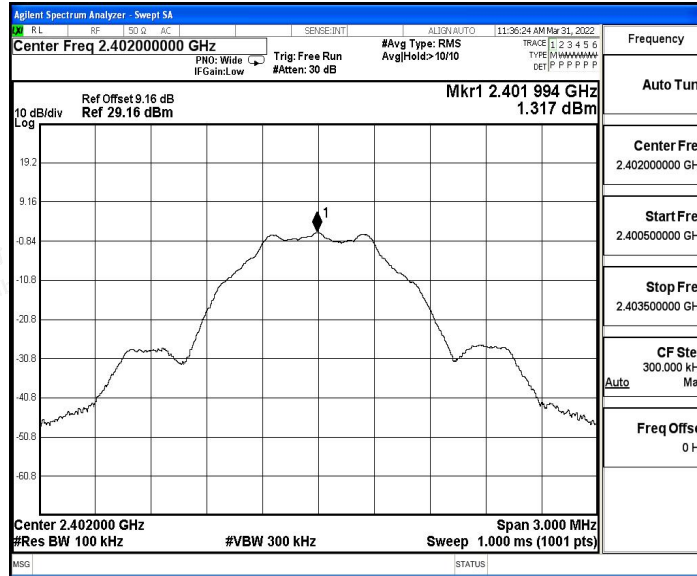
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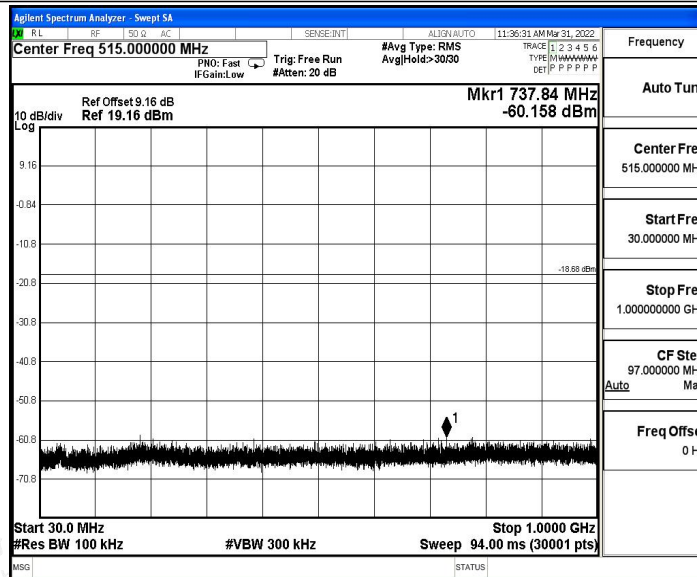


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

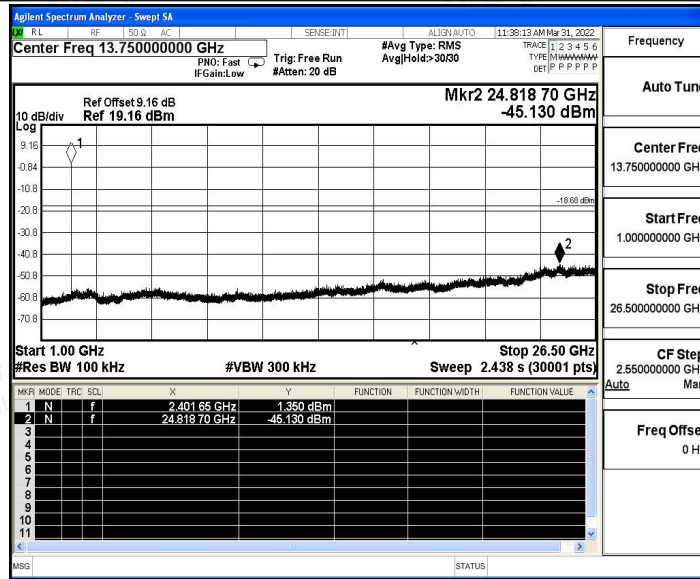


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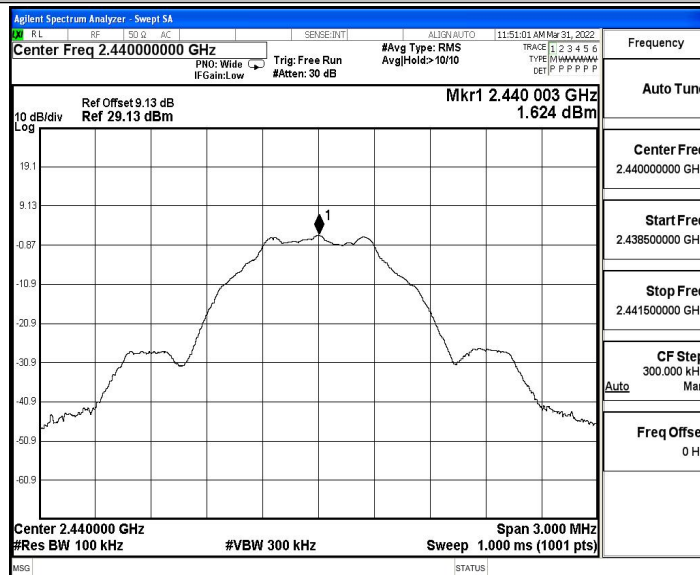
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

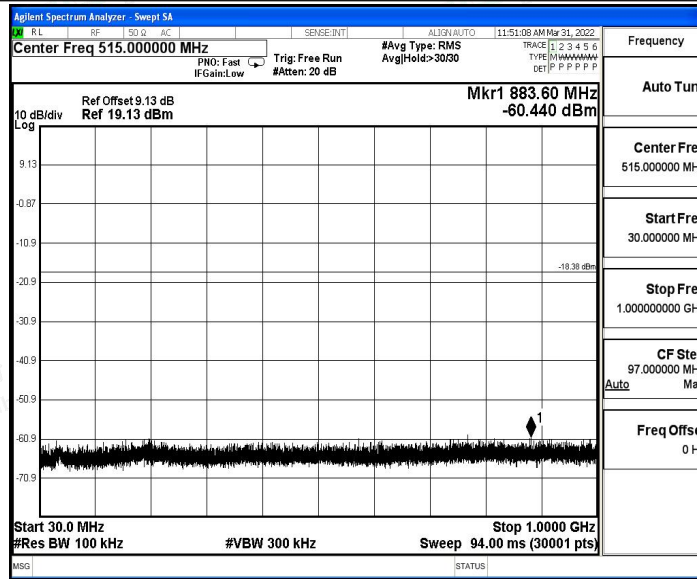


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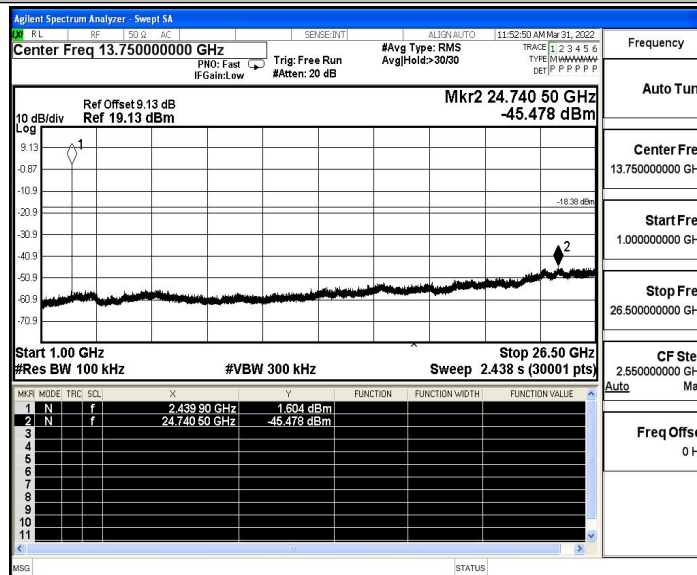
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

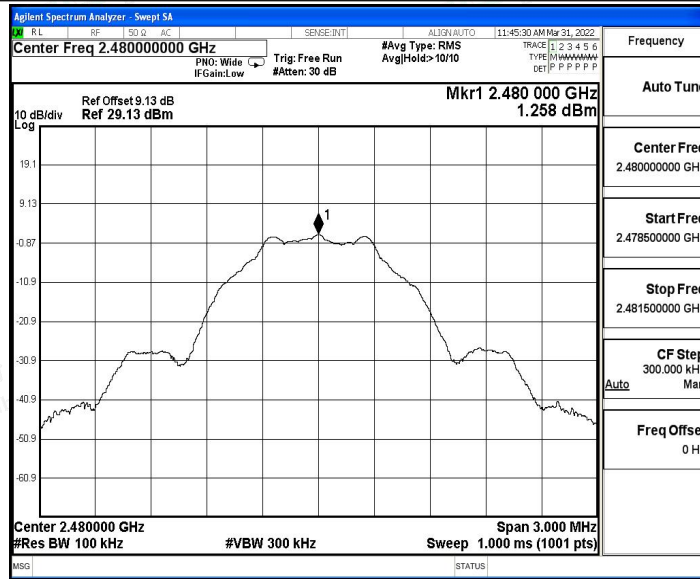


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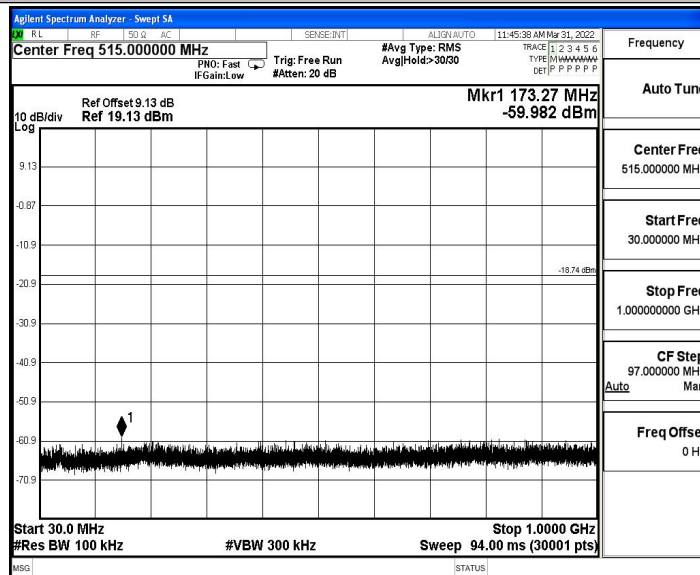
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



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A.6 Duty Cycle

Test Result

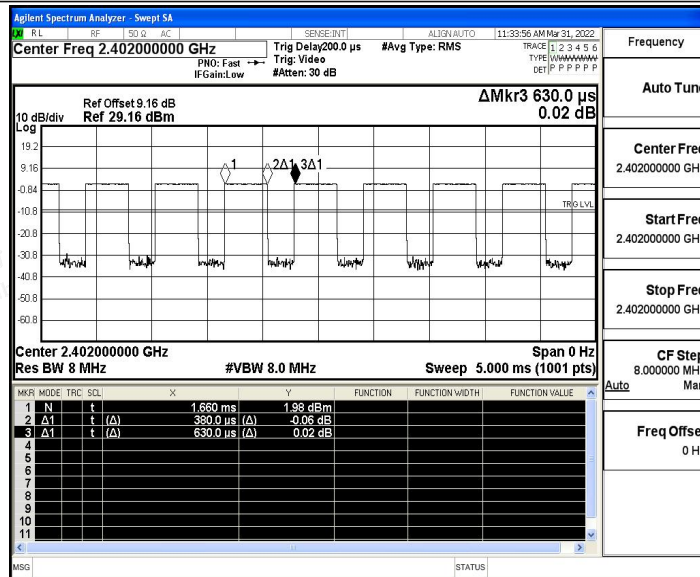
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	1/T[kHz]
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	2.63
		2440	0.39	0.63	0.6190	61.90	2.08	2.63
		2480	0.39	0.63	0.6190	61.90	2.08	2.63



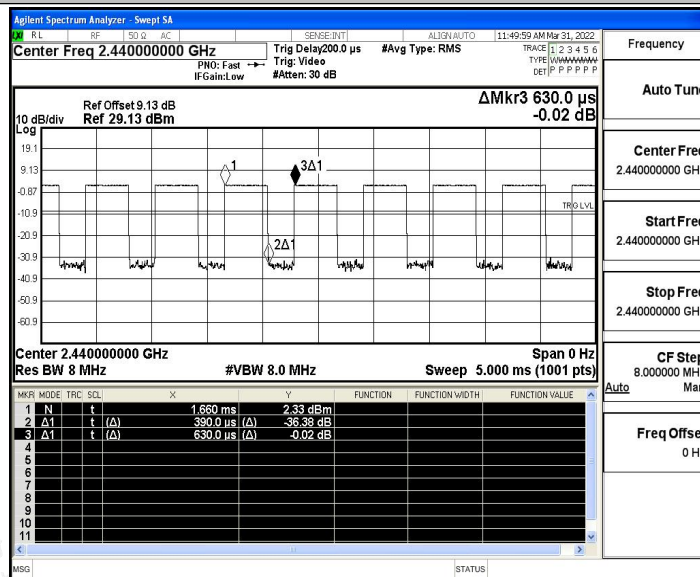


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

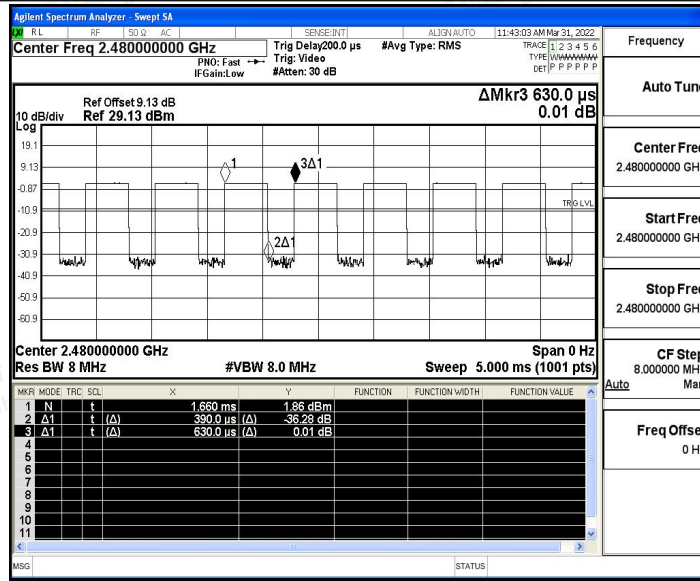


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A.7 Emissions in Restricted Bands

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	-56.44	≤-41.20	38.76	≤54	PASS
				AV	2388.620	-56.03	≤-41.20	39.17	≤54	PASS
				AV	2390.000	-56.49	≤-41.20	38.71	≤54	PASS
				Peak	2310.000	-48.64	≤-21.20	46.56	≤74	PASS
				Peak	2354.075	-45.65	≤-21.20	49.55	≤74	PASS
				Peak	2390.000	-48.28	≤-21.20	46.92	≤74	PASS
		High	2480	AV	2483.500	-52.02	≤-41.20	43.18	≤54	PASS
				AV	2483.520	-52.02	≤-41.20	43.18	≤54	PASS
				AV	2500.000	-55.56	≤-41.20	39.64	≤54	PASS
				Peak	2483.500	-47.4	≤-21.20	47.80	≤74	PASS
				Peak	2484.320	-45.16	≤-21.20	50.04	≤74	PASS
				Peak	2500.000	-46.15	≤-21.20	49.05	≤74	PASS

Note:

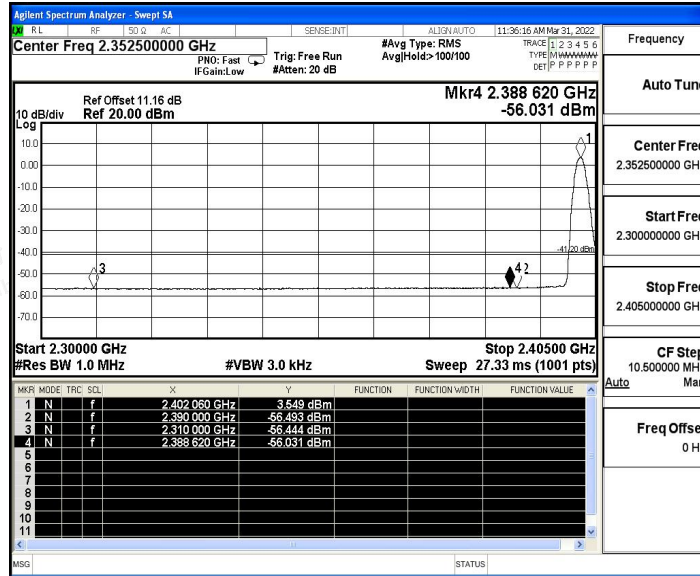
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



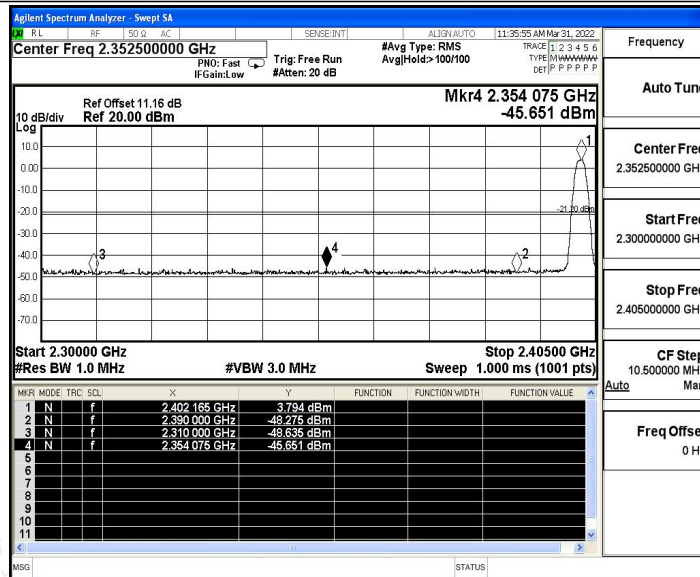


Test Graphs

BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV

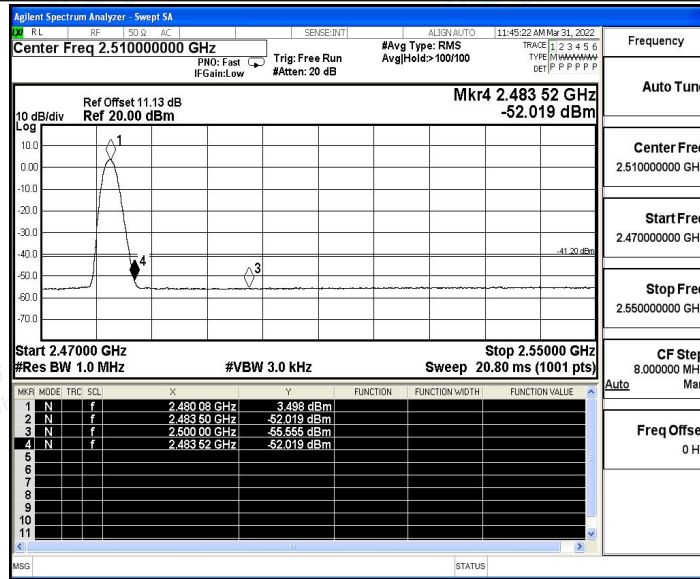


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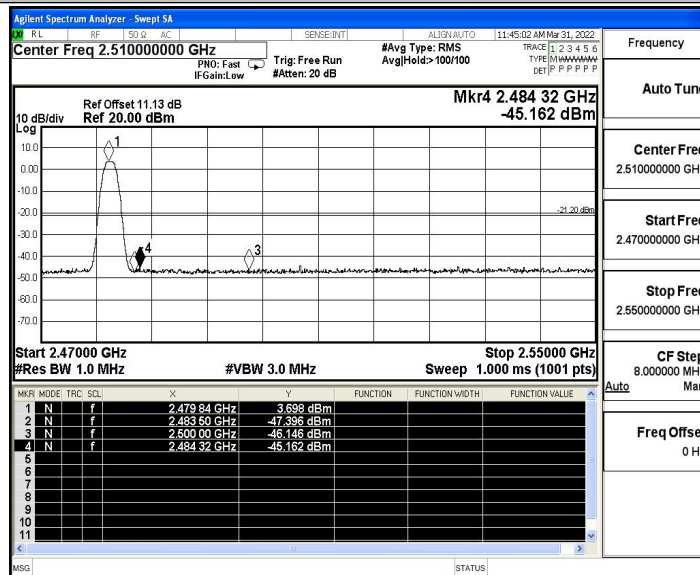
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BLE_1M_Ant1_High_2480_Peak



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