

Applicant: Shenzhen Hismith Technology Co., Ltd

Case No. : 18220WC201989

EUT: wildolo dildo with APP

M/N: WDA012

Test Power Supply: NA

Ambient Condition: 22.9 °C, 52 %RH, 101.325 kPa

According Standard: ; other:

Test Date: 2022.08.30

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	0.712	2401.644	2402.356	0.5	PASS
		2440	0.736	2439.628	2440.364	0.5	PASS
		2480	0.724	2479.620	2480.344	0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0457	2401.4757	2402.5214	---	---
		2440	1.0682	2439.4647	2440.5329	---	---
		2480	1.0603	2479.4698	2480.5301	---	---

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.7	≤30	-5.7	≤36	PASS
		2440	-5.35	≤30	-5.35	≤36	PASS
		2480	-8.52	≤30	-8.52	≤36	PASS

Test Graphs Peak

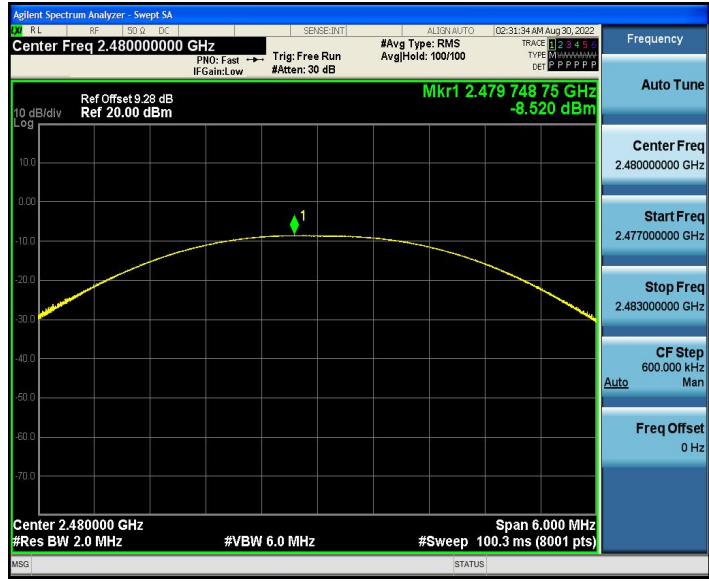
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix D: Maximum power spectral density

Test Result

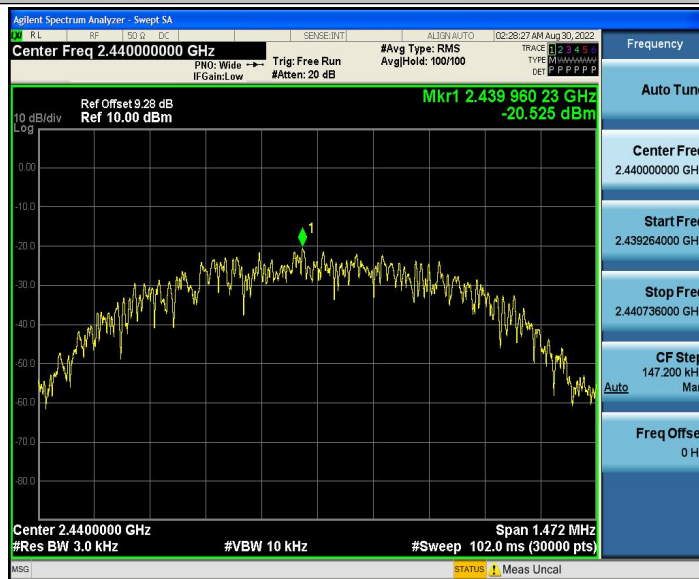
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.58	≤8.00	PASS
		2440	-20.53	≤8.00	PASS
		2480	-24.66	≤8.00	PASS

Test Graphs

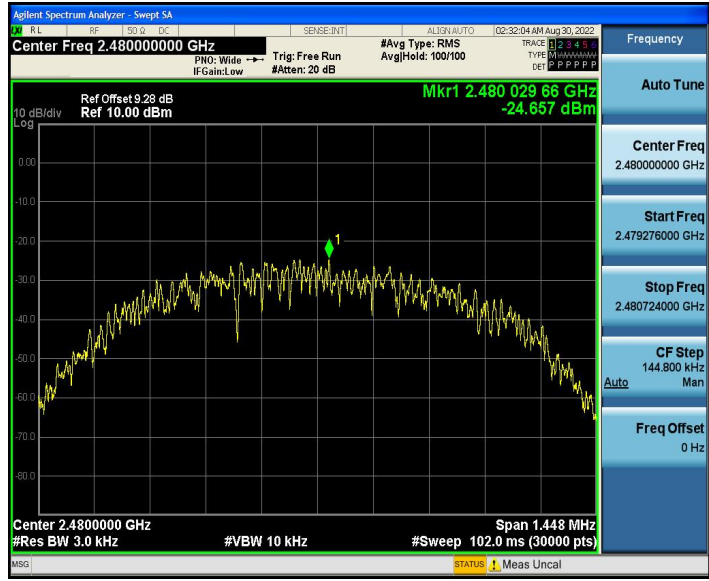
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



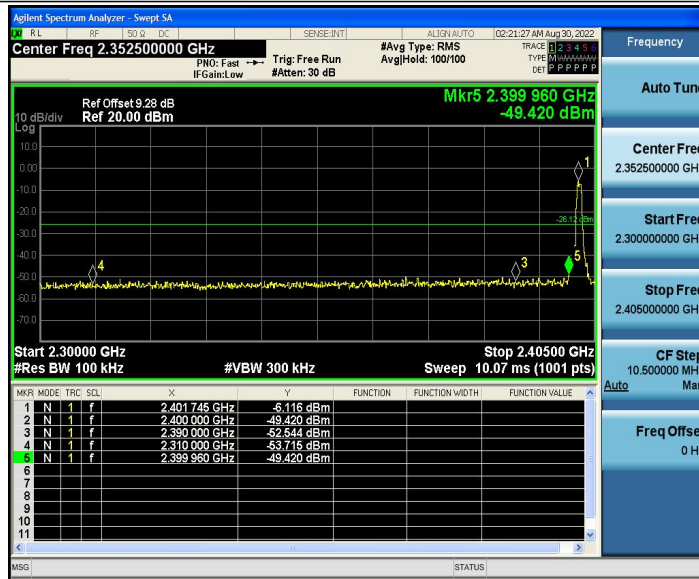
Appendix E: Band edge measurements

Test Result

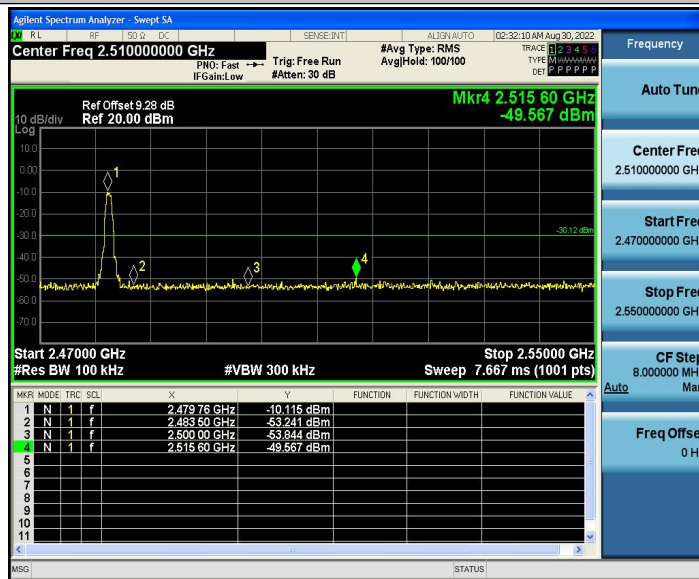
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.12	-49.42	≤ -26.12	PASS
		High	2480	-10.12	-49.57	≤ -30.12	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

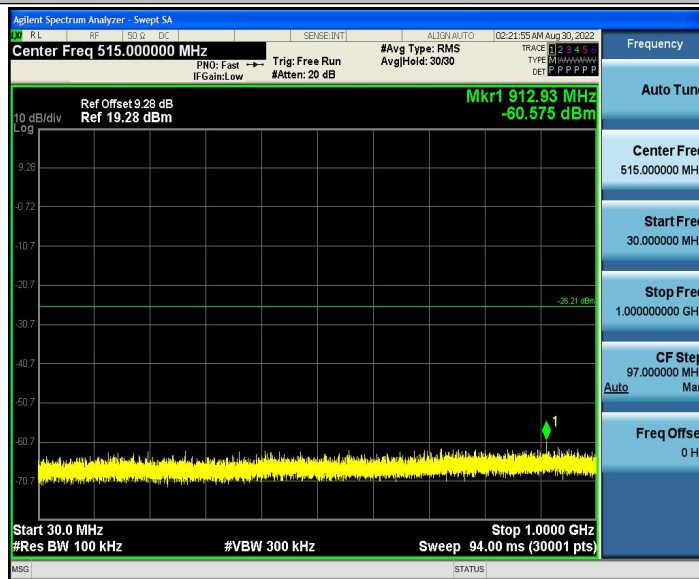
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-6.21	-6.21	---	PASS
			30~1000	-6.21	-60.58	≤-26.21	PASS
			1000~26500	-6.21	-38.7	≤-26.21	PASS
		2440	Reference	-5.97	-5.97	---	PASS
			30~1000	-5.97	-60.66	≤-25.97	PASS
			1000~26500	-5.97	-33.08	≤-25.97	PASS
		2480	Reference	-9.35	-9.35	---	PASS
			30~1000	-9.35	-61.91	≤-29.35	PASS
			1000~26500	-9.35	-37.15	≤-29.35	PASS

Test Graphs

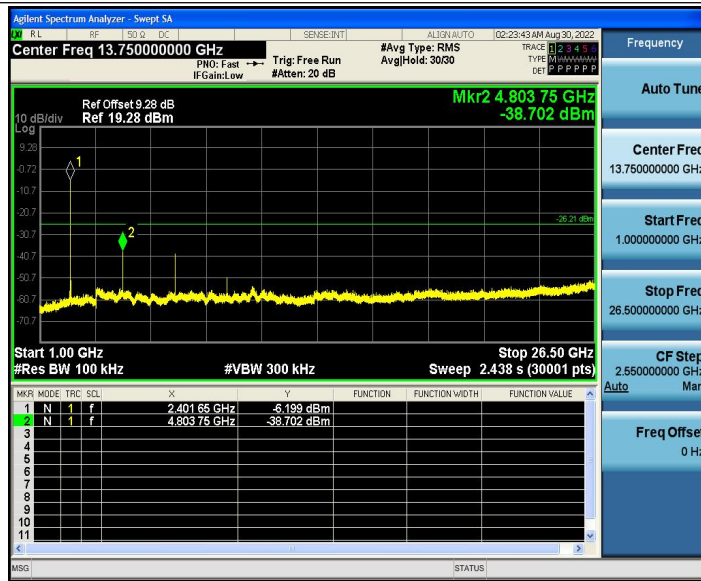
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



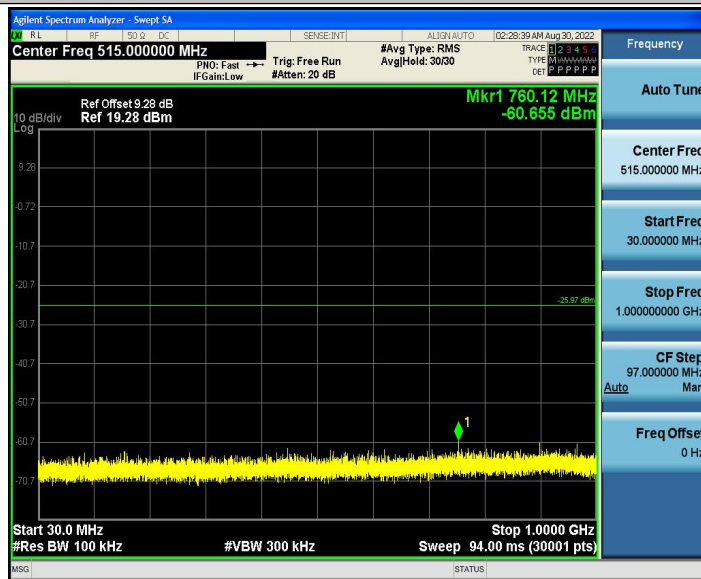
BLE_1M_Ant1_2402_1000~26500



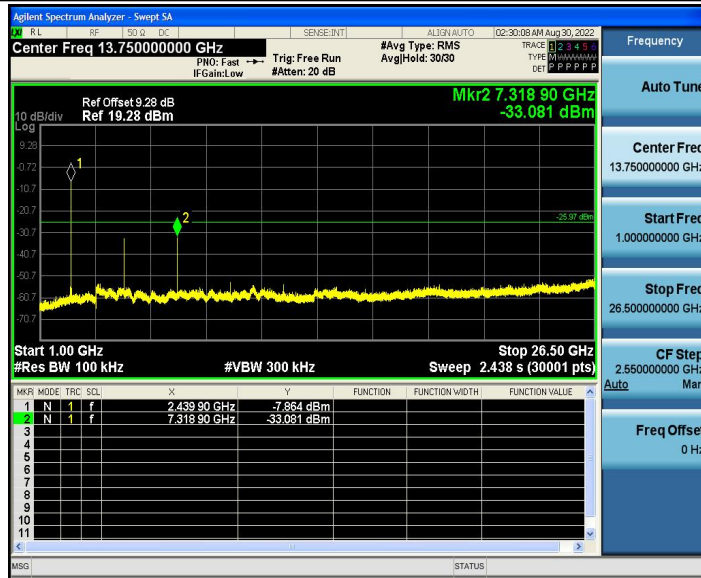
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



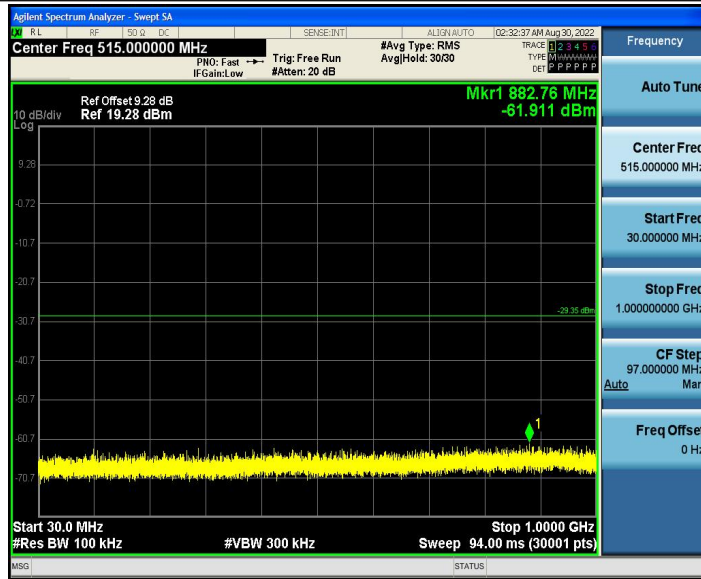
BLE_1M_Ant1_2440_1000~26500



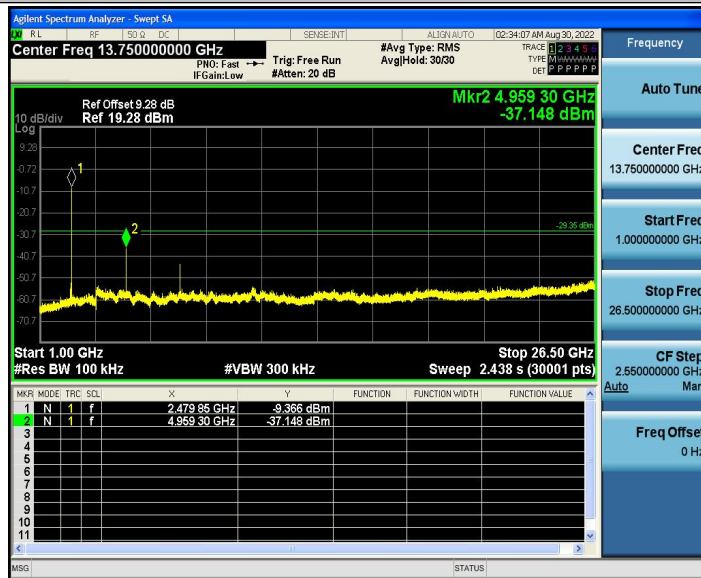
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



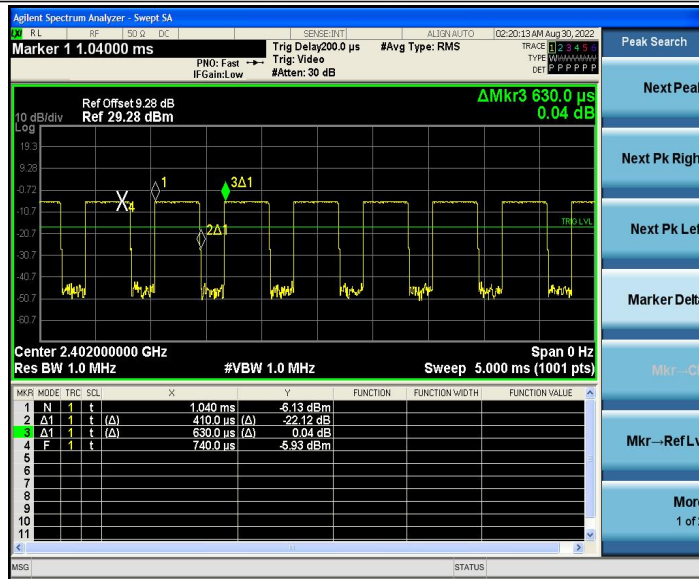
Appendix G: Duty Cycle

Test Result

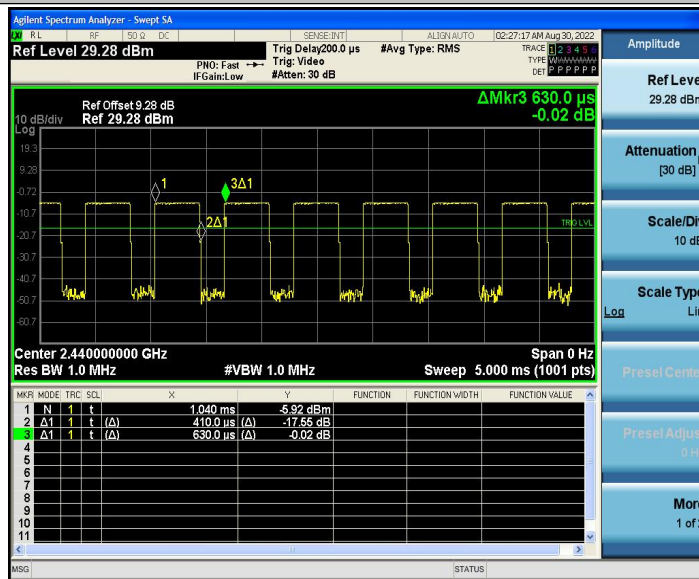
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

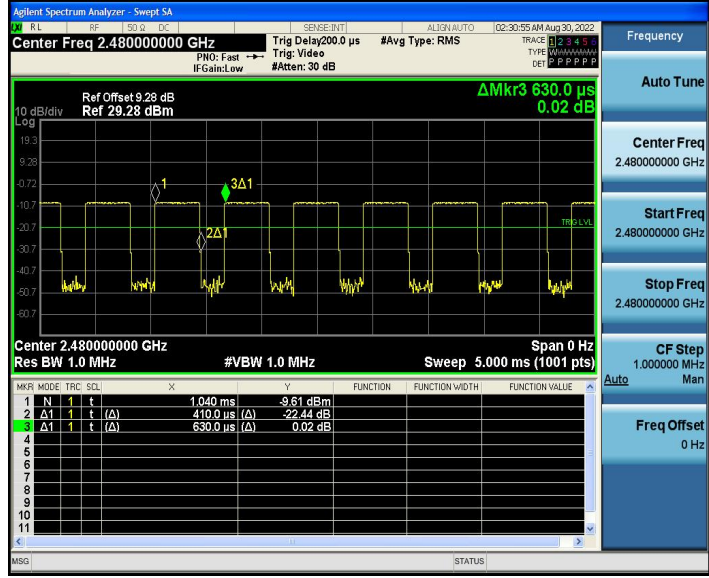
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix H: 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	-48.89	≤-41.20	46.31	≤54	PASS
				AV	2384.840	-47.6	≤-41.20	47.60	≤54	PASS
				AV	2390.000	-48.02	≤-41.20	47.18	≤54	PASS
				Peak	2310.000	-41.34	≤-21.20	53.86	≤74	PASS
				Peak	2365.205	-38.77	≤-21.20	56.43	≤74	PASS
				Peak	2390.000	-41.48	≤-21.20	53.72	≤74	PASS
		High	2480	AV	2483.500	-48.45	≤-41.20	46.75	≤54	PASS
				AV	2496.480	-48.12	≤-41.20	47.08	≤54	PASS
				AV	2500.000	-48.38	≤-41.20	46.82	≤54	PASS
				Peak	2483.500	-42.98	≤-21.20	52.22	≤74	PASS
				Peak	2488.720	-39.33	≤-21.20	55.87	≤74	PASS
				Peak	2500.000	-41.89	≤-21.20	53.31	≤74	PASS

Note:

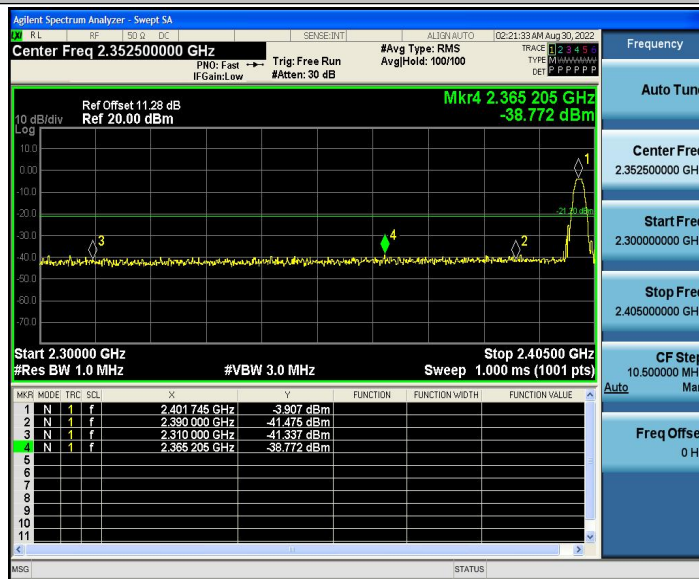
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak

