



Appendix B

RF Test Data for BT LE V5.0 (Conducted Measurement)

Product Name: Urbanista Los Angeles

Test Model: Urbanista Los Angeles

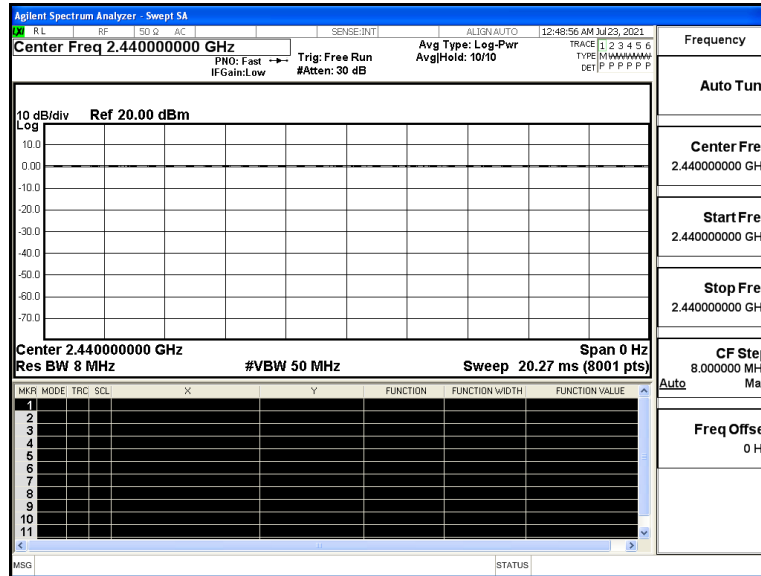
Environmental Conditions

Temperature:	21.6° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



B.1 Duty Cycle

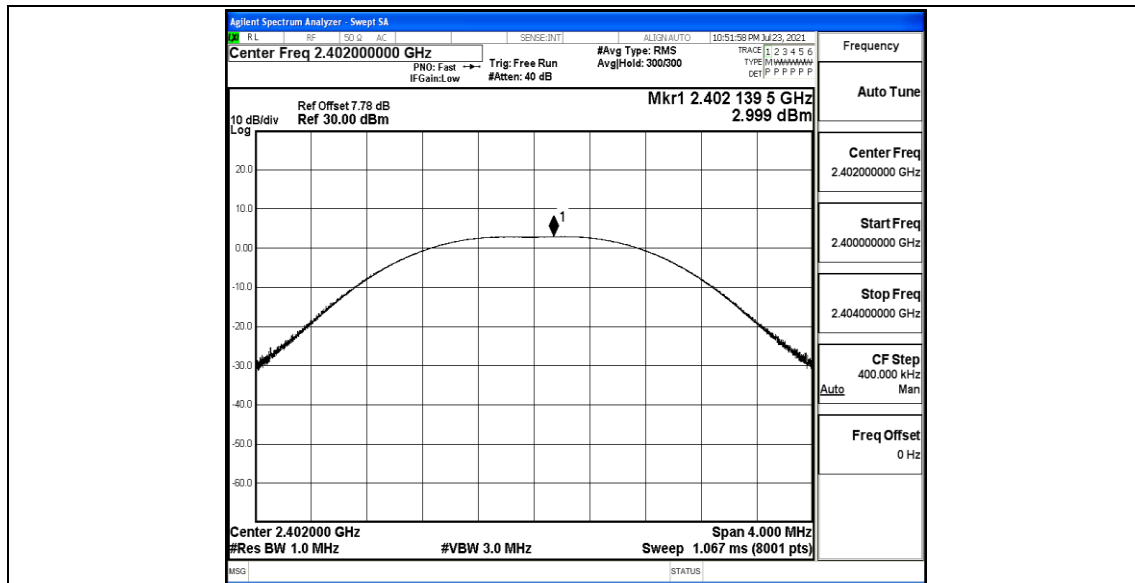
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



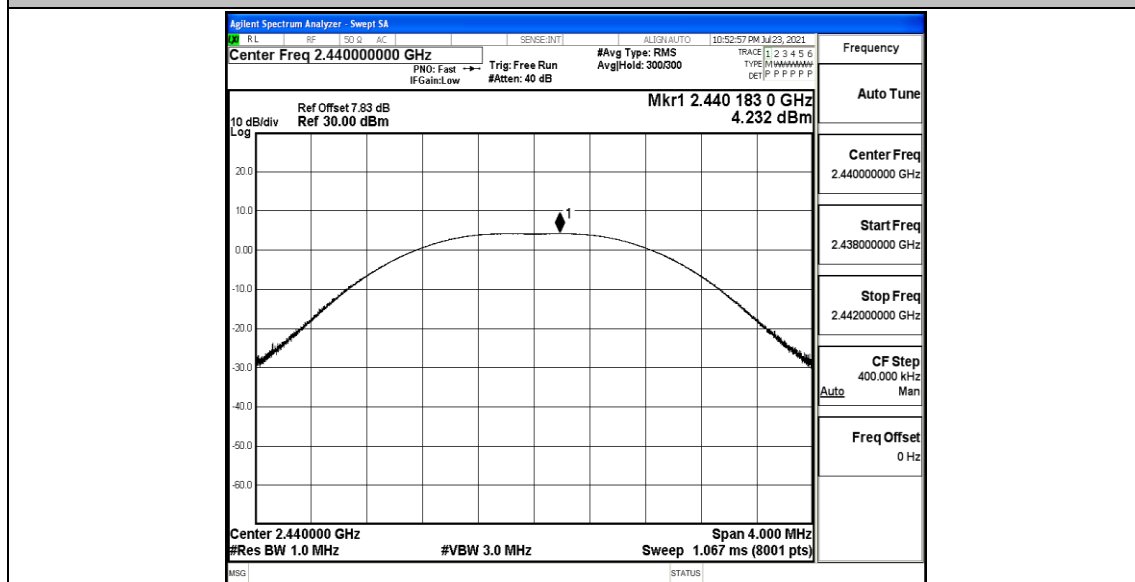


B.2 Maximum Conducted Peak Output Power

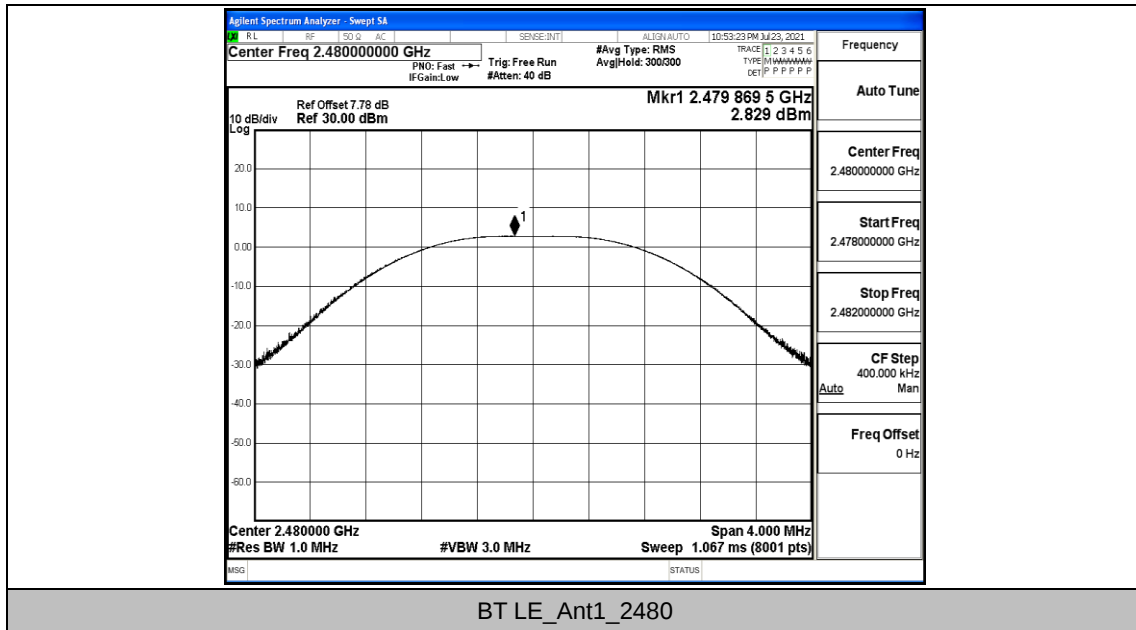
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BT LE	Ant1	2402	3.00	≤30	PASS
		2440	4.23	≤30	PASS
		2480	2.83	≤30	PASS



BT LE_Ant1_2402



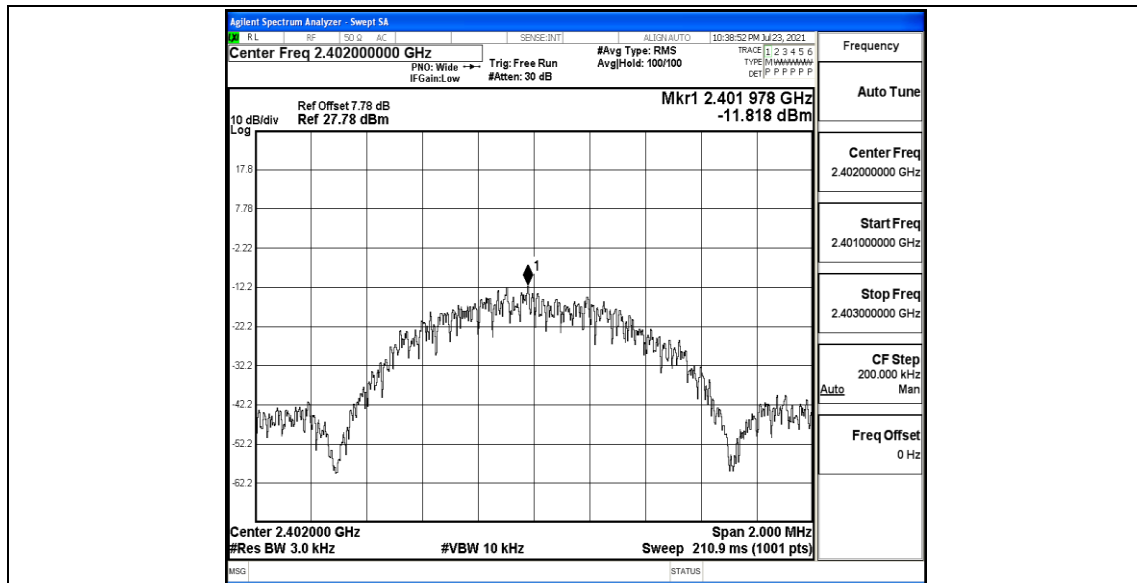
BT LE_Ant1_2440



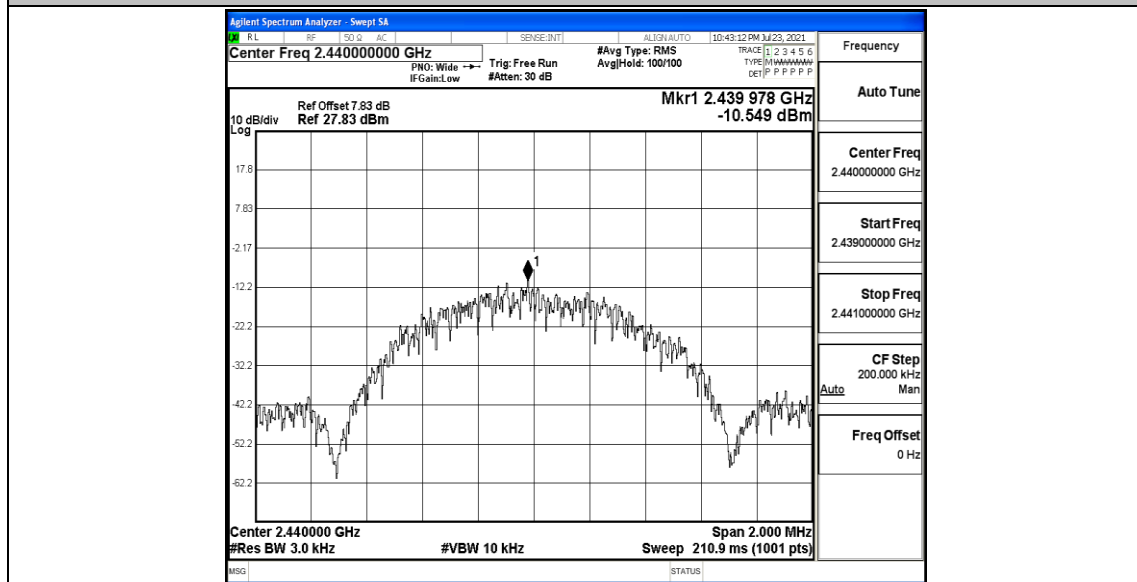


B.3 Maximum Power Spectral Density

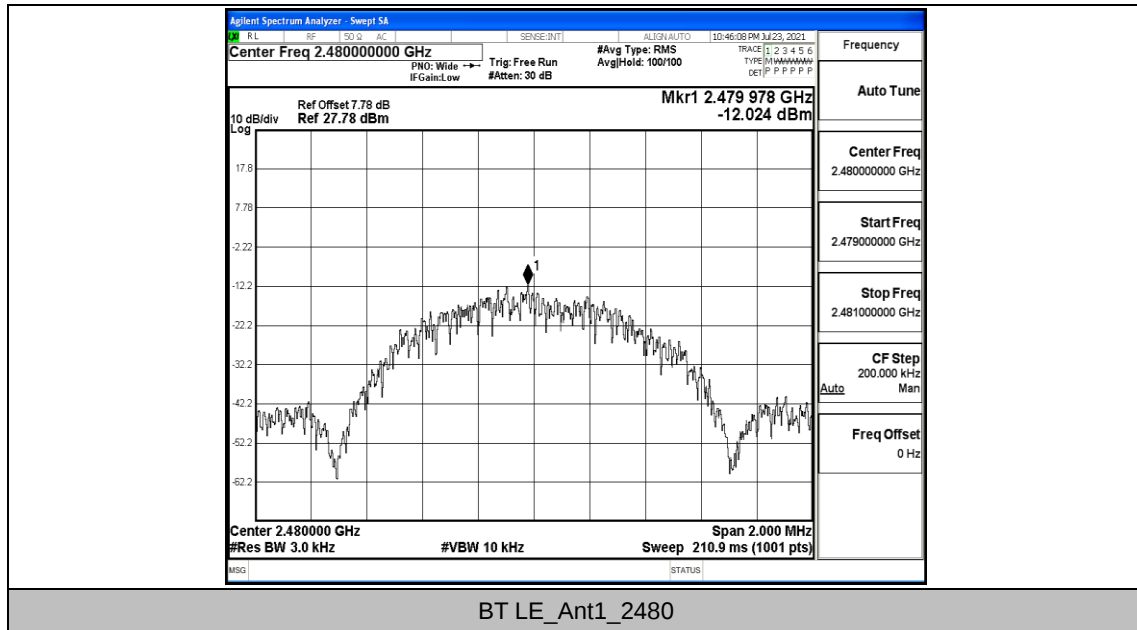
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BT LE	Ant1	2402	-11.82	≤8	PASS
		2440	-10.55	≤8	PASS
		2480	-12.02	≤8	PASS



BT LE_Ant1_2402



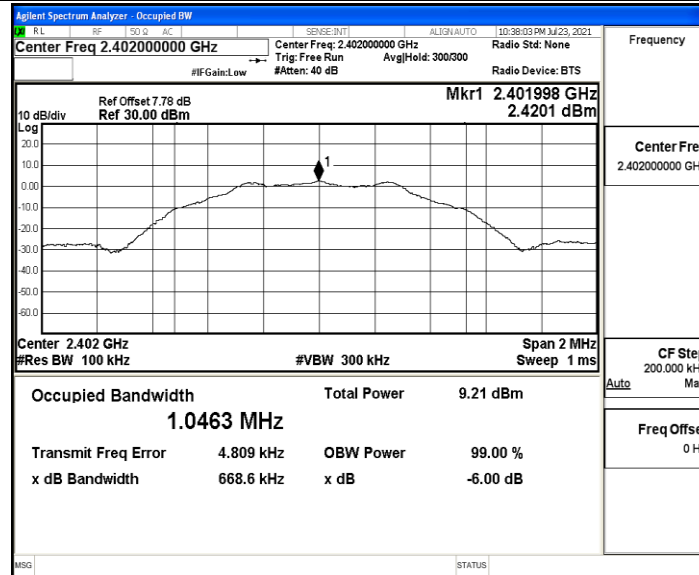
BT LE_Ant1_2440



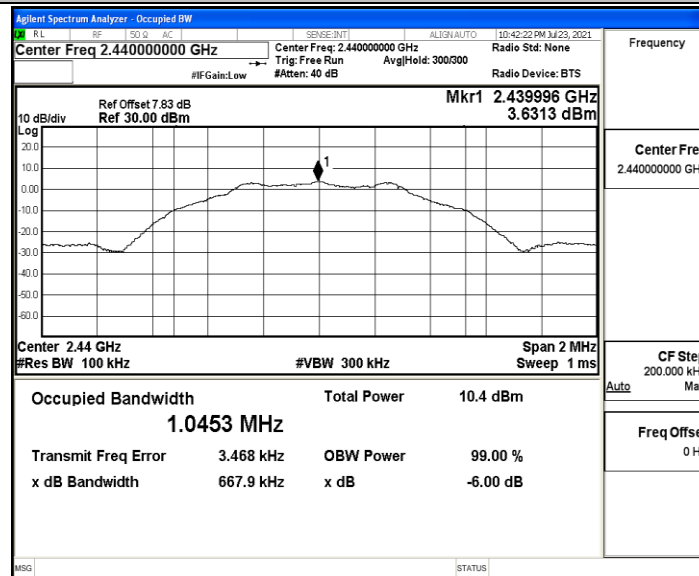


B.4 6dB Bandwidth

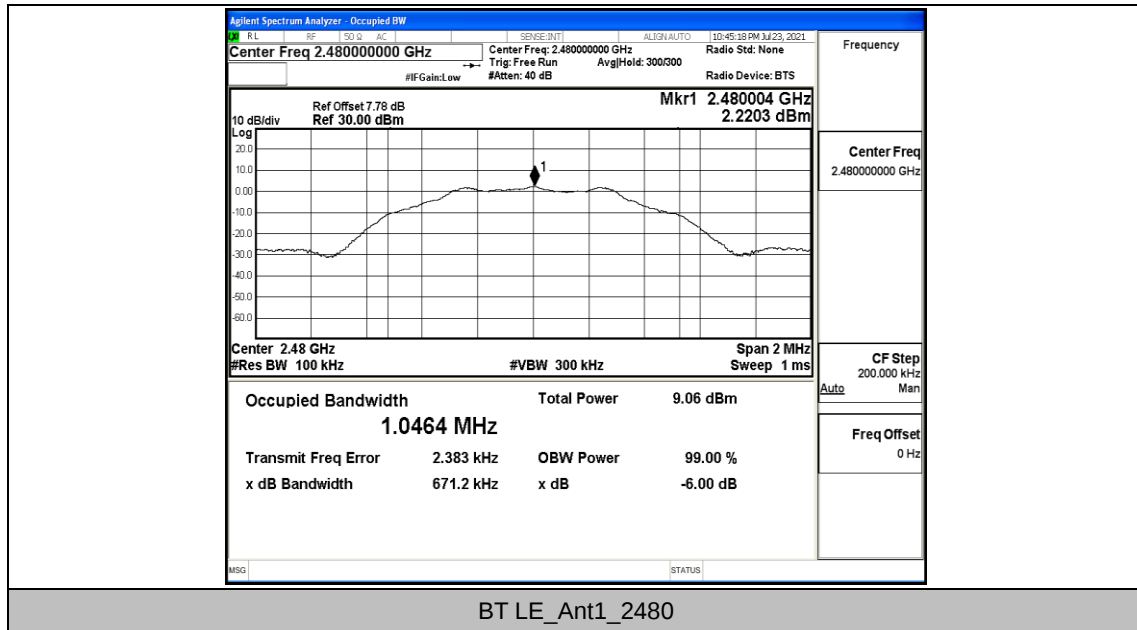
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6686	≥ 0.5	PASS
BT LE	MCH	0.6679	≥ 0.5	PASS
BT LE	HCH	0.6712	≥ 0.5	PASS



BT LE_Ant1_2402



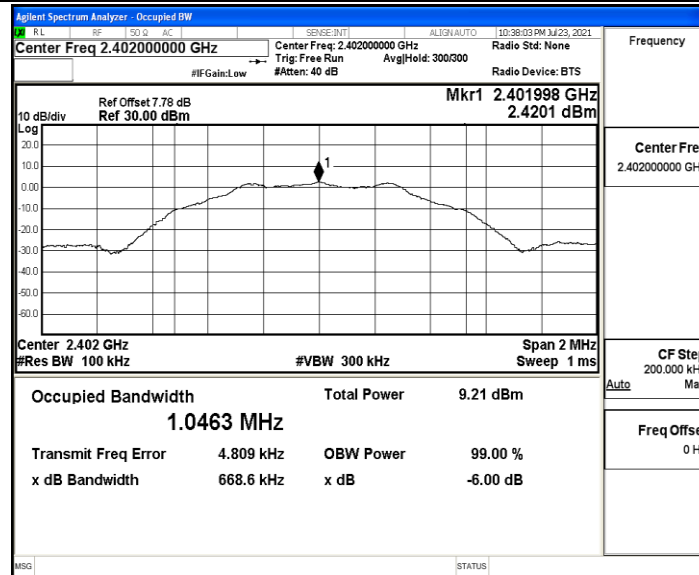
BT LE_Ant1_2440



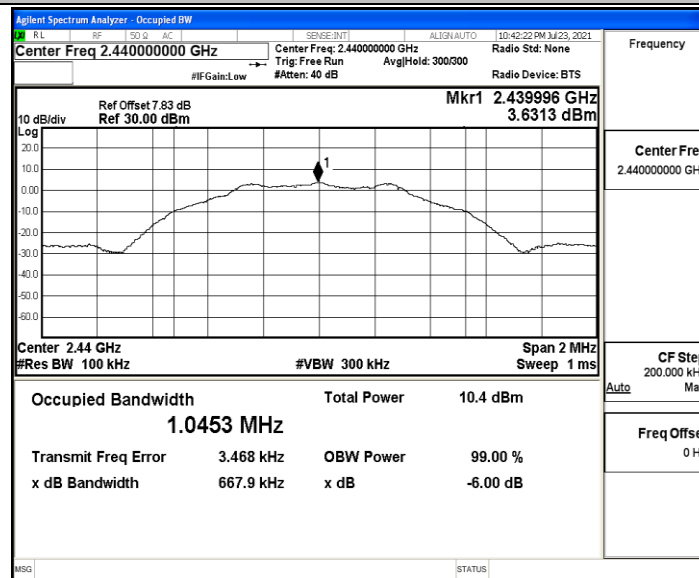


B.5 Occupied Bandwidth

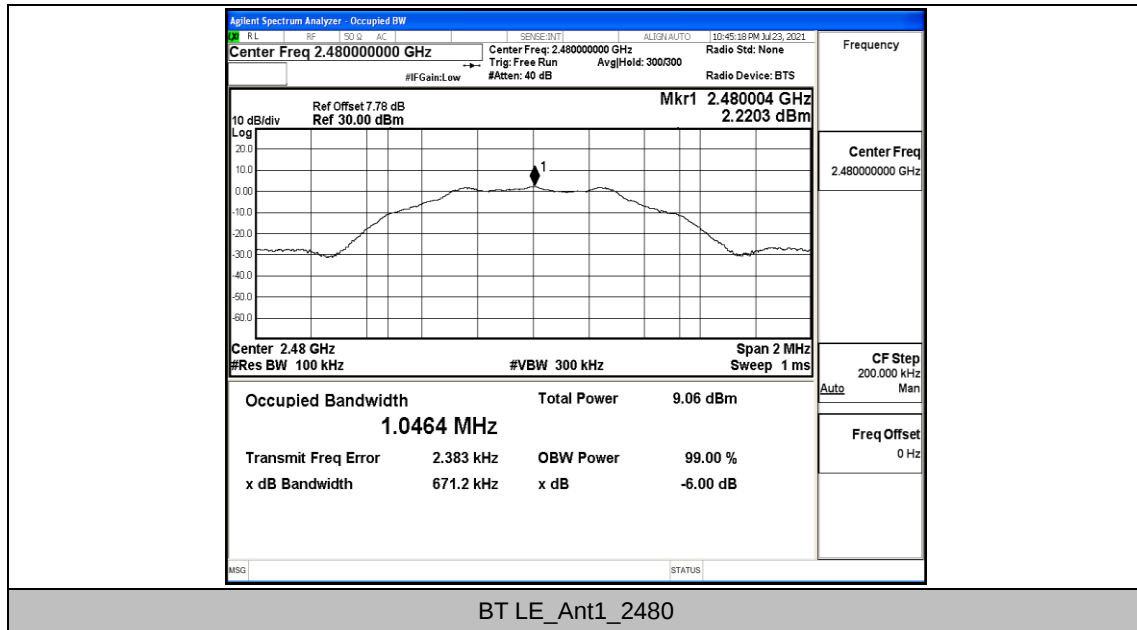
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BT LE	Ant1	2402	1.0463	2401.482	2402.528	---	PASS
		2440	1.0453	2439.481	2440.526	---	PASS
		2480	1.0464	2479.479	2480.526	---	PASS



BT LE_Ant1_2402



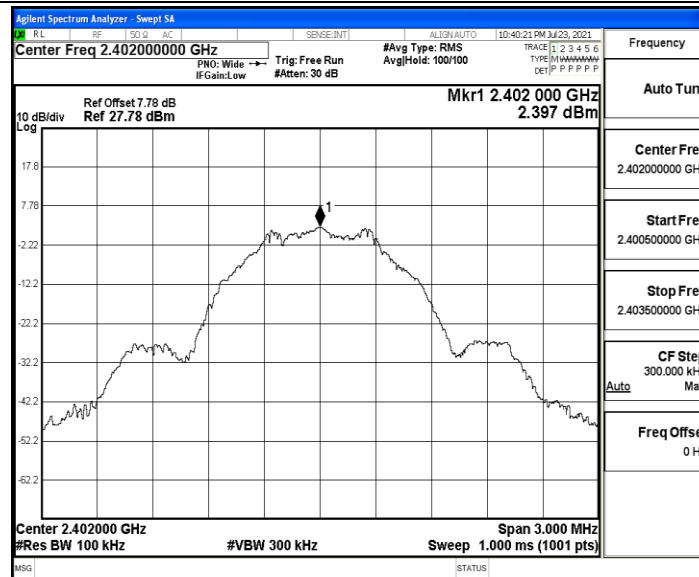
BT LE_Ant1_2440



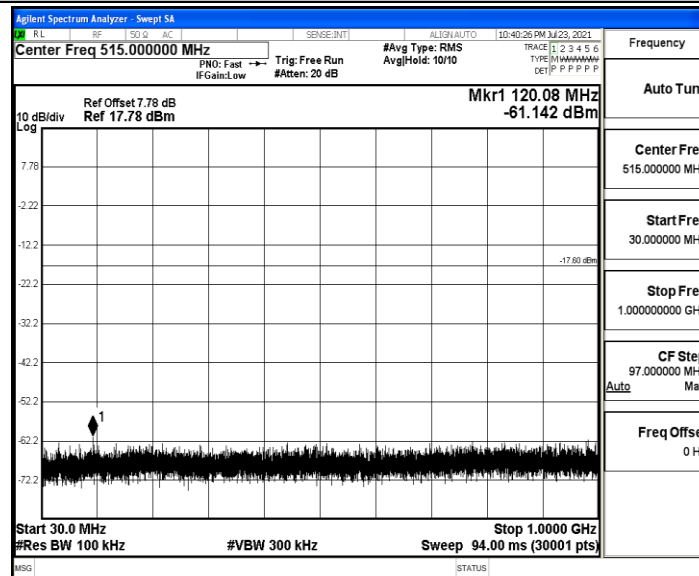


B.6 RF Conducted Spurious Emissions

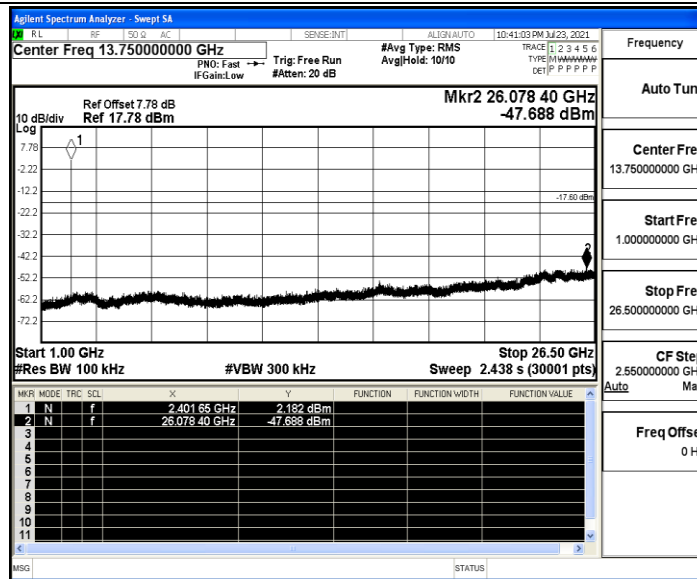
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BT LE	Ant1	2402	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-61.14	≤-17.6	PASS
			1000~26500	2.40	-47.69	≤-17.6	PASS
		2440	Reference	3.54	3.54	---	PASS
			30~1000	3.54	-59.63	≤-16.46	PASS
			1000~26500	3.54	-47.01	≤-16.46	PASS
		2480	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-61.69	≤-17.83	PASS
			1000~26500	2.17	-47.9	≤-17.83	PASS



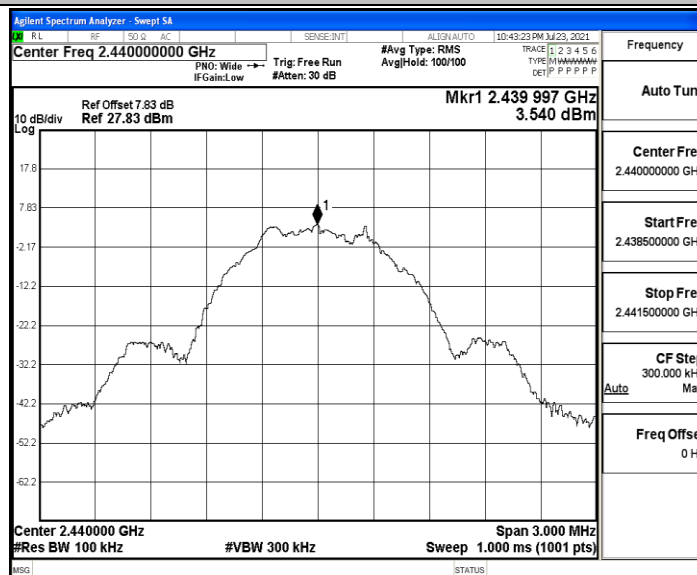
BT LE_Ant1_2402_0~Reference



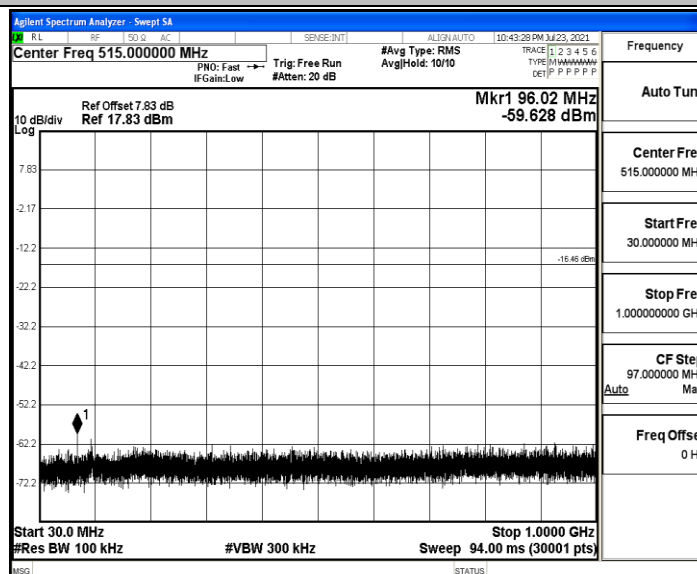
BT LE_Ant1_2402_30~1000



BT LE_Ant1_2402_1000~26500

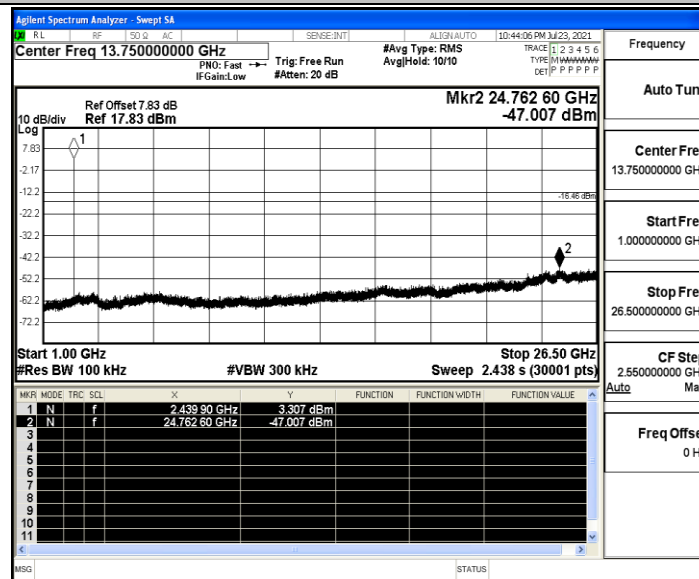


BT LE_Ant1_2440_0~Reference

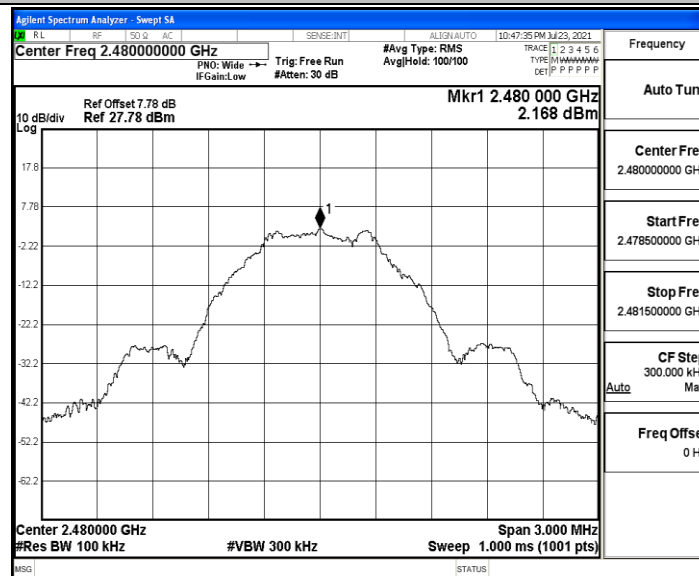




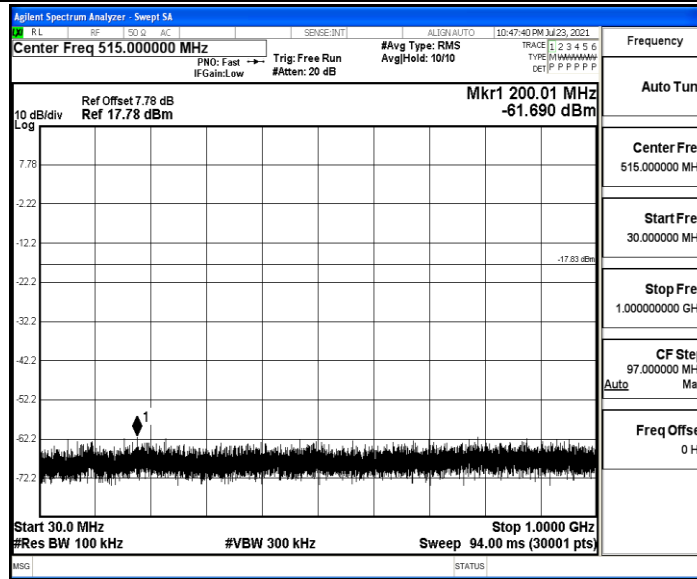
BT LE_Ant1_2440_30~1000



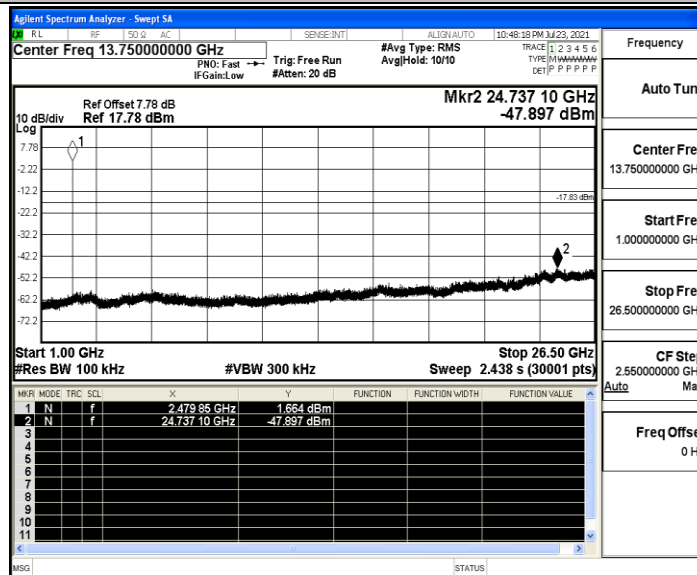
BT LE_Ant1_2440_1000~26500



BT LE_Ant1_2480_0~Reference



BT LE_Ant1_2480_30~1000



BT LE_Ant1_2480_1000~26500

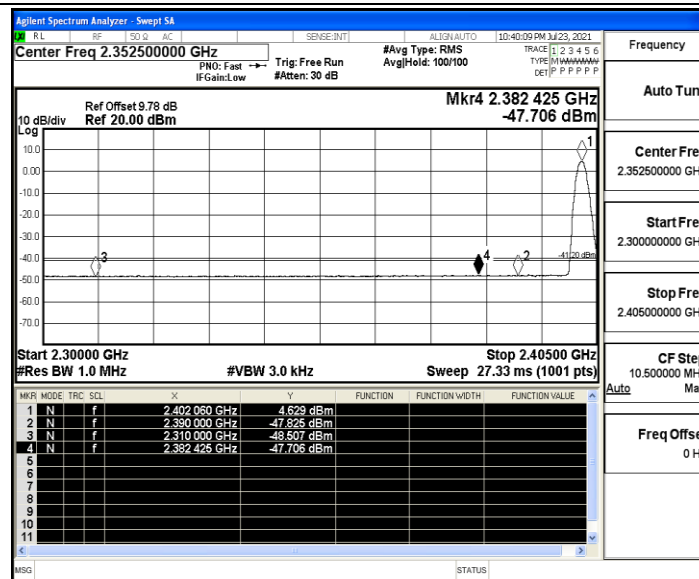


B.7 Emissions in Restricted Bands

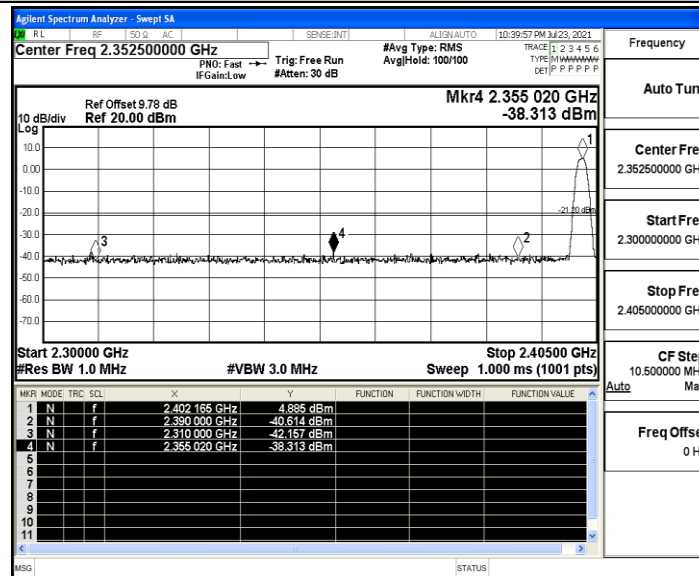
Test Mode	Antenna	Ch Name	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BT LE	Ant1	Low	2402	AV	2310.000	-48.51	≤-41.20	46.69	≤54	PASS
				AV	2382.425	-47.71	≤-41.20	47.49	≤54	PASS
				AV	2390.000	-47.83	≤-41.20	47.37	≤54	PASS
				Peak	2310.000	-42.16	≤-21.20	53.04	≤74	PASS
				Peak	2355.020	-38.31	≤-21.20	56.89	≤74	PASS
				Peak	2390.000	-40.61	≤-21.20	54.59	≤74	PASS
		High	2480	AV	2483.500	-46.7	≤-41.20	48.50	≤54	PASS
				AV	2483.520	-46.7	≤-41.20	48.50	≤54	PASS
				AV	2500.000	-47.47	≤-41.20	47.73	≤54	PASS
				Peak	2483.500	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2491.360	-38.38	≤-21.20	56.82	≤74	PASS
				Peak	2500.000	-41.85	≤-21.20	53.35	≤74	PASS

Note:

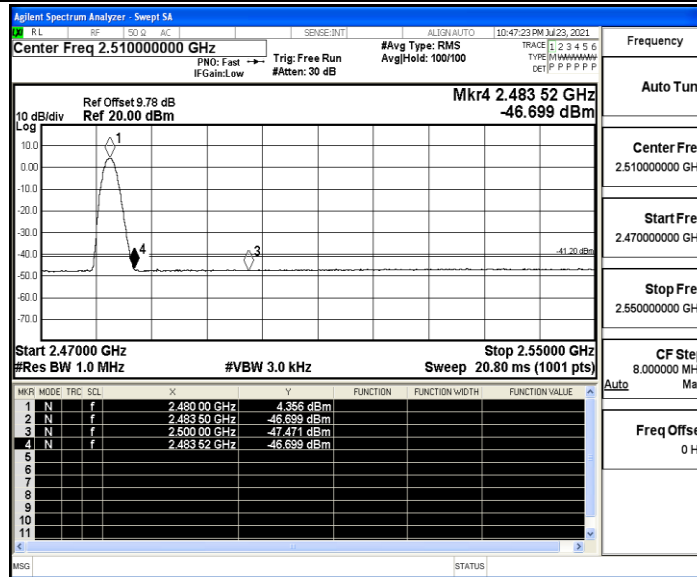
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



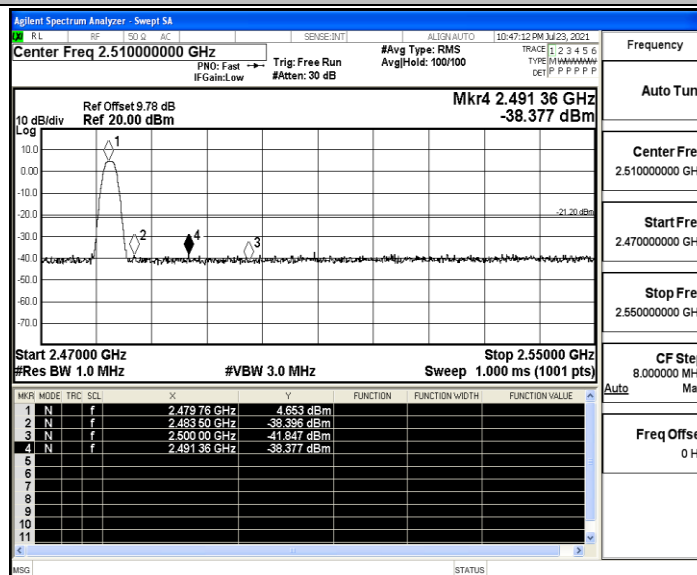
BT LE_Ant1_Low_2402_AV



BT LE_Ant1_Low_2402_Peak



BT LE_Ant1_High_2480_AV



BT LE_Ant1_High_2480_Peak