

Appendix A

RF Test Data for BT(BLE) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: KRONO

Test Model: NET9

FCC ID: 2AFD9NET9

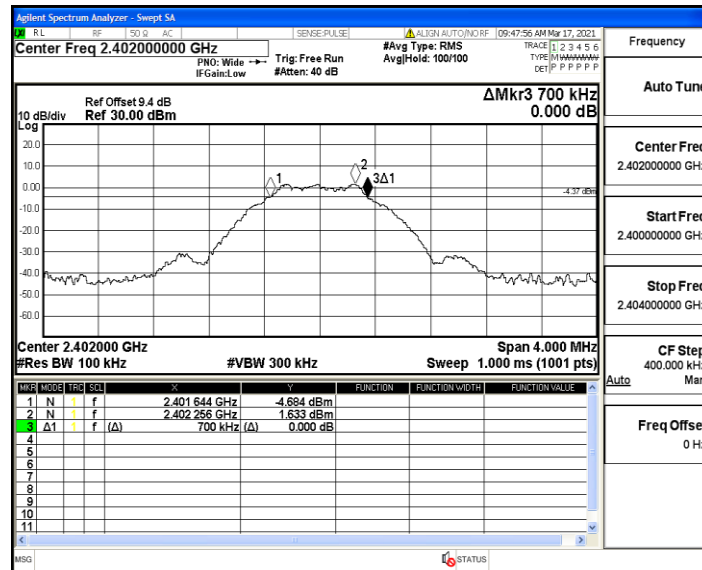
Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	51%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

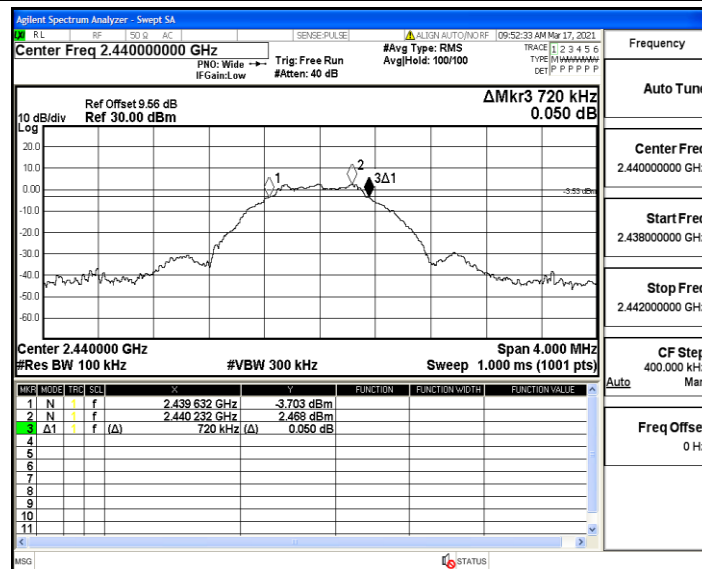
A.1. 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.700	2401.644	2402.344	0.5	PASS
		2440	0.720	2439.632	2440.352	0.5	PASS
		2480	0.716	2479.624	2480.340	0.5	PASS

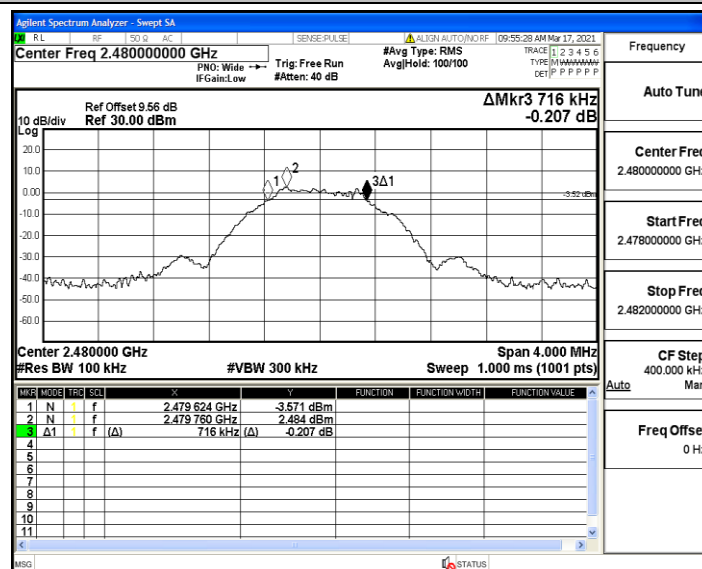
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

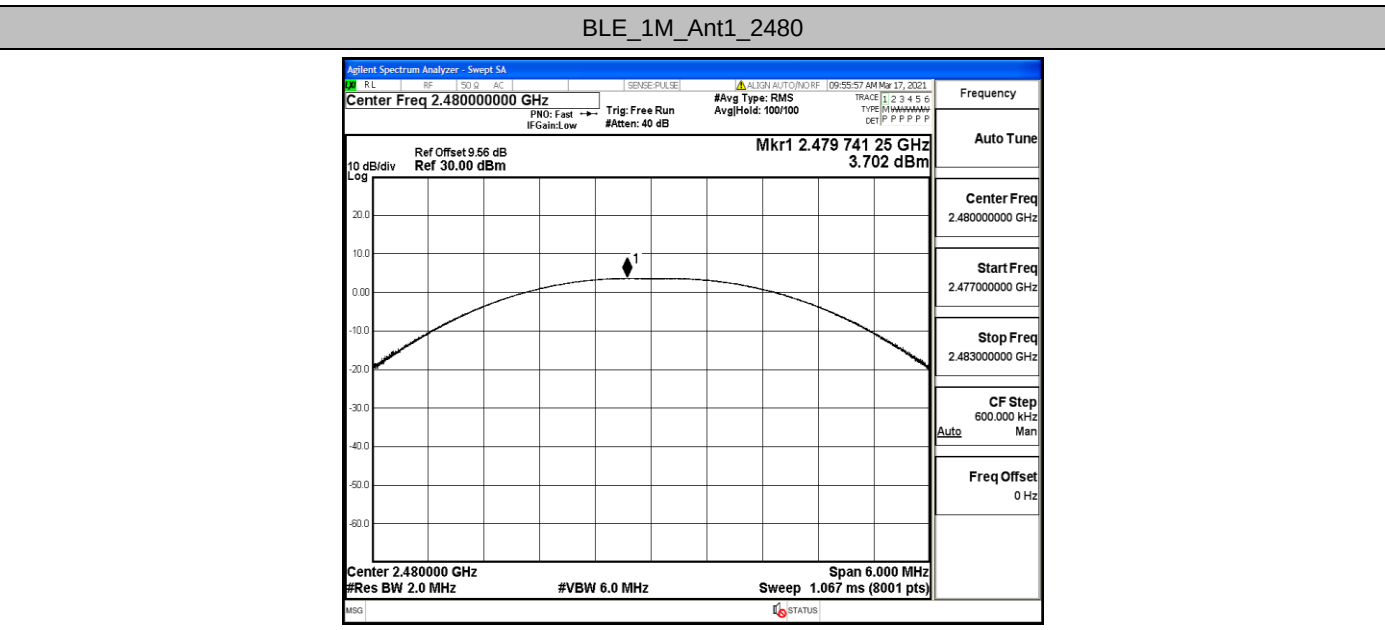
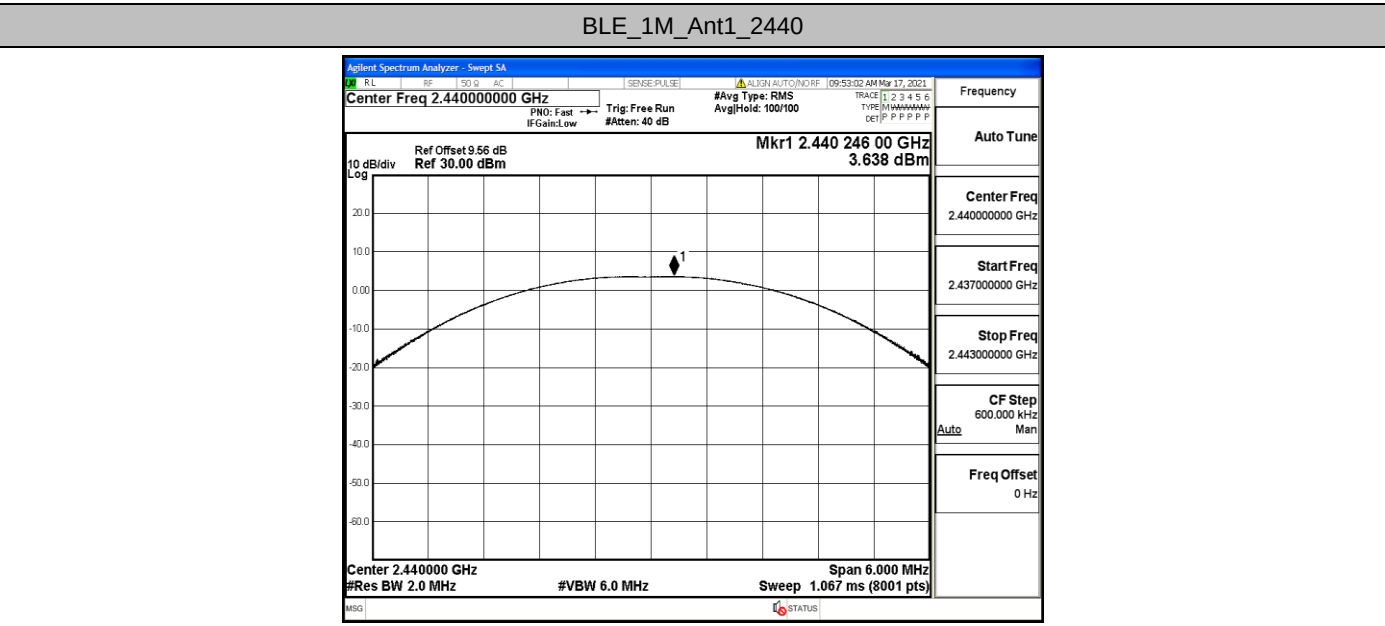
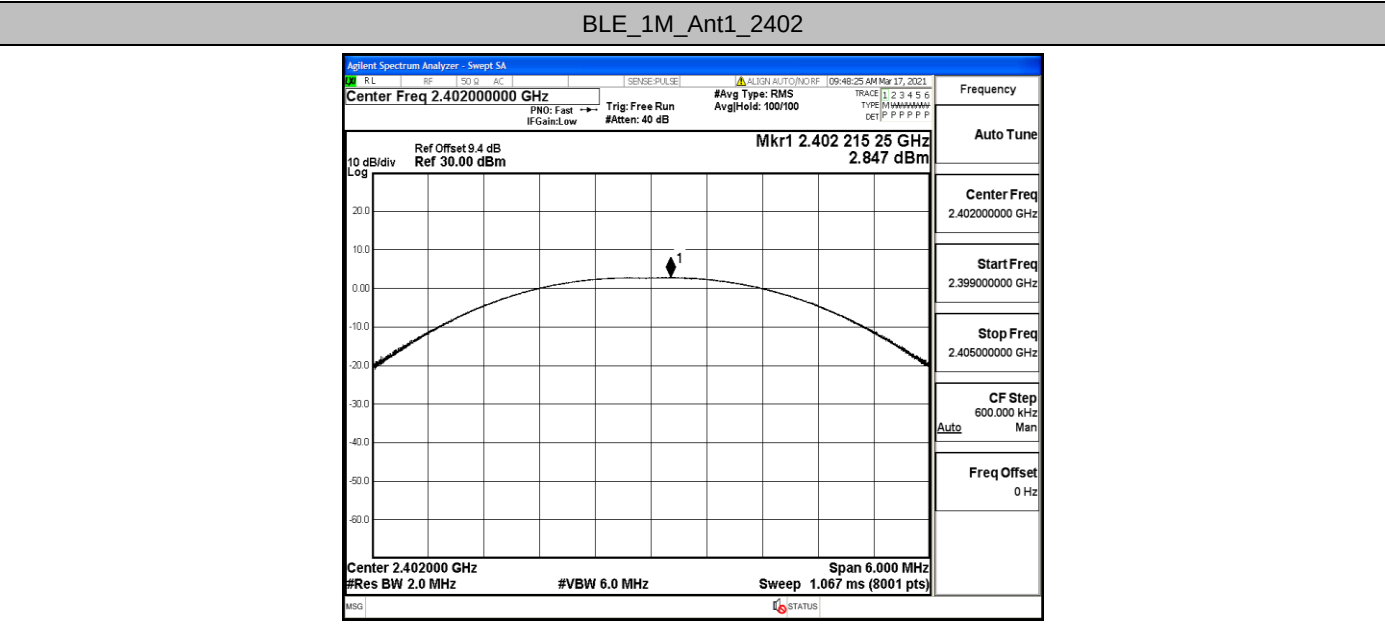


A.2. Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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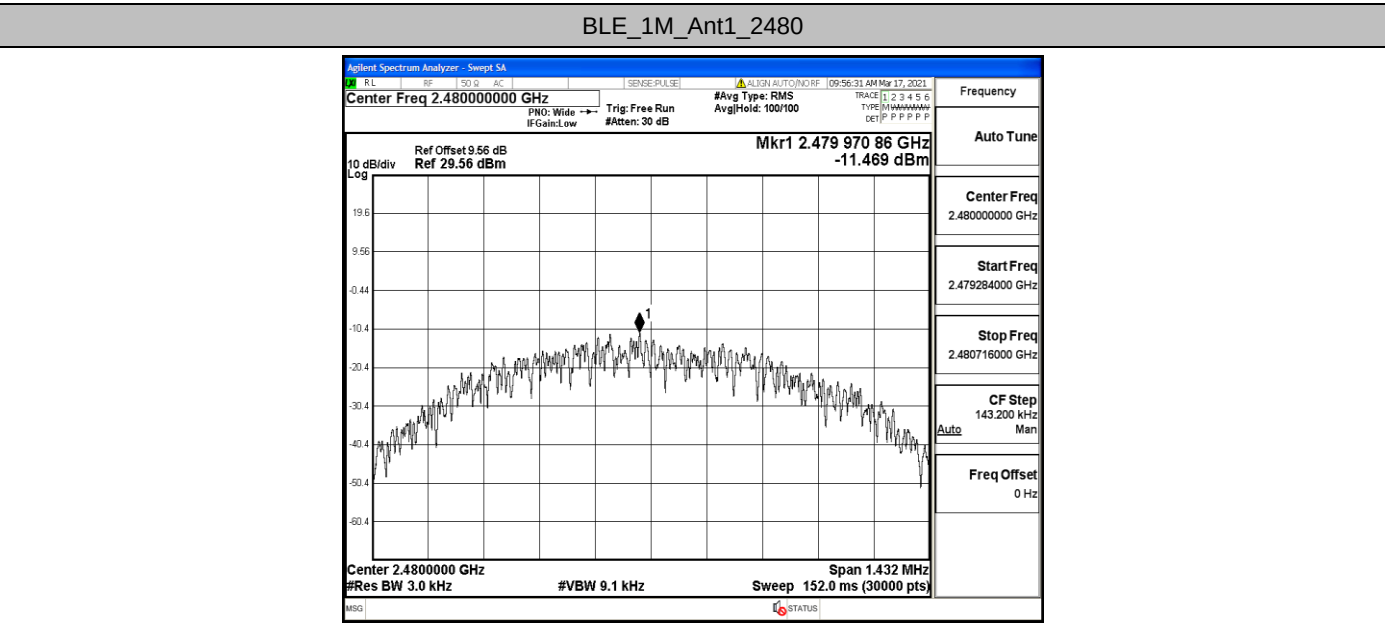
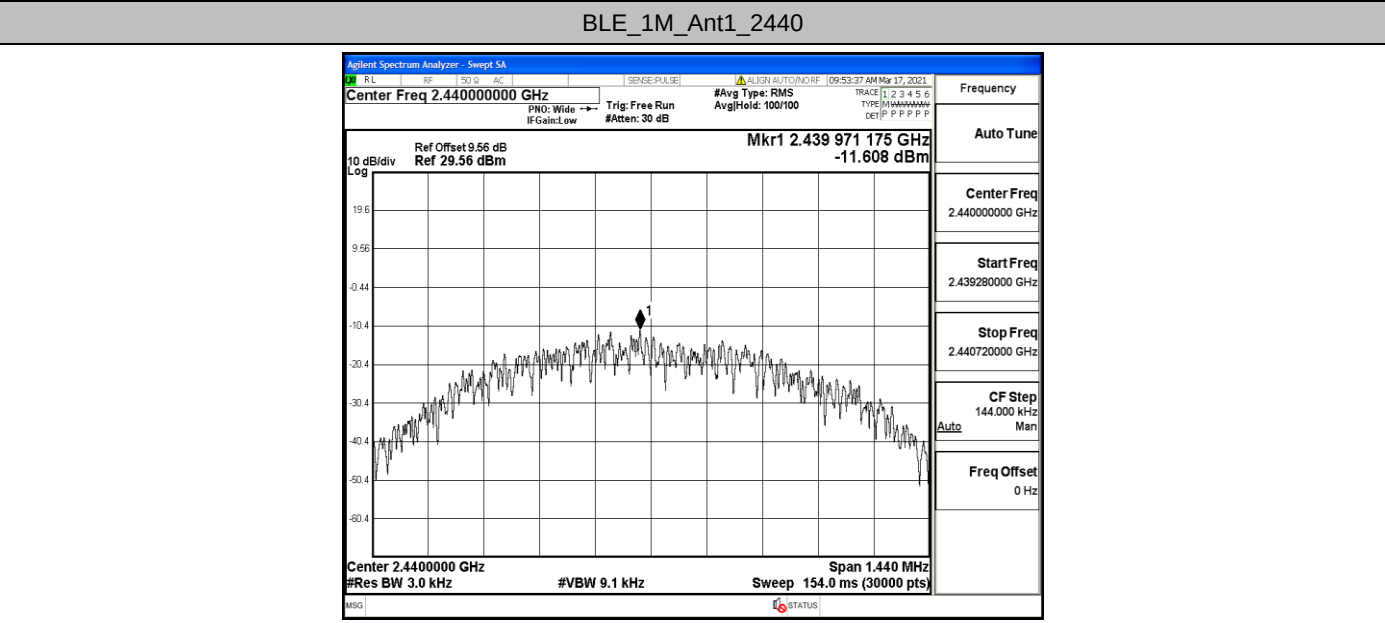
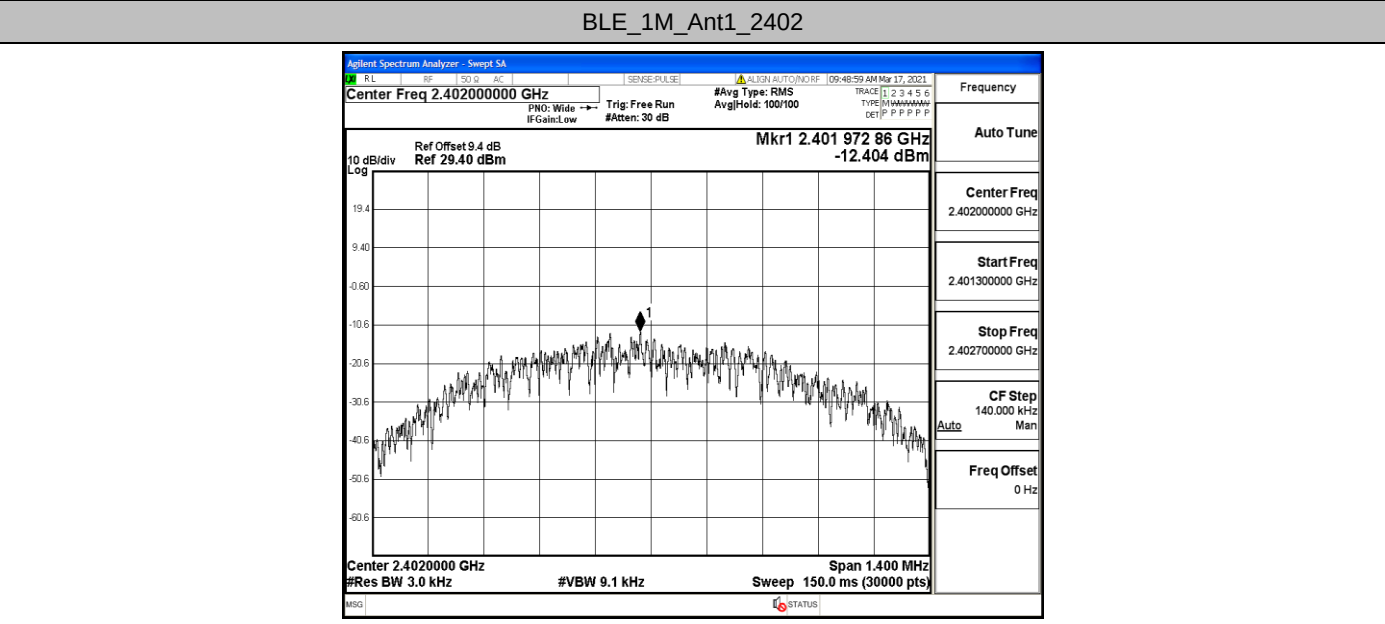
A.3. Maximum peak conducted output power

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.85	<=30	PASS
		2440	3.64	<=30	PASS
		2480	3.7	<=30	PASS



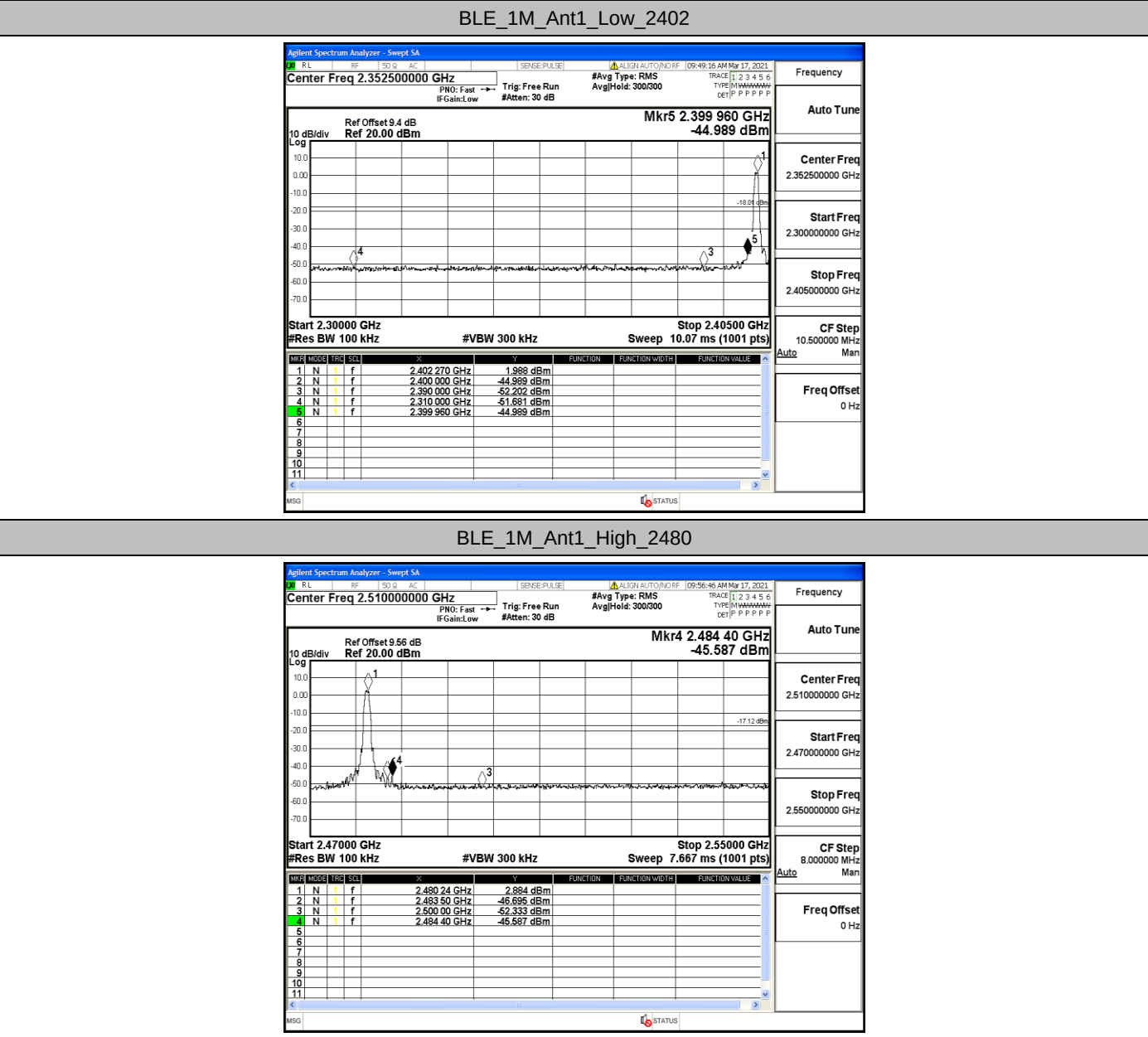
A.4. Maximum Peak power spectral density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.4	<=8	PASS
		2440	-11.61	<=8	PASS
		2480	-11.47	<=8	PASS



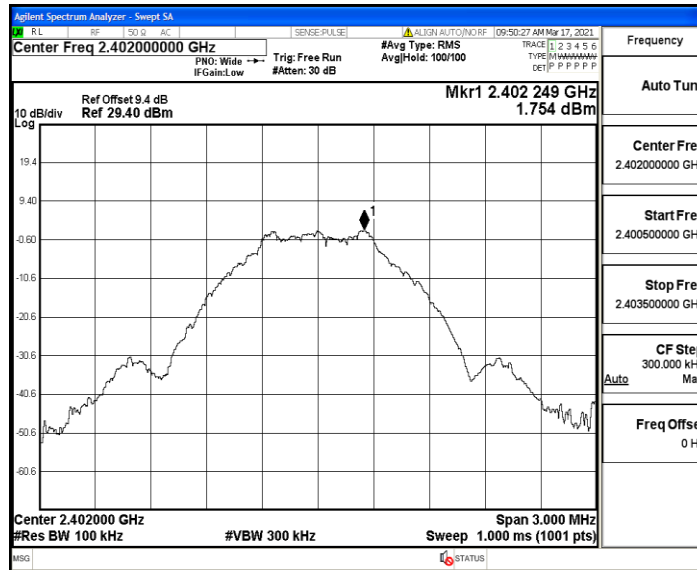
A.5. Band-edge for RF Conducted Emissions

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.99	-44.99	<=-18.01	PASS
		High	2480	2.88	-45.59	<=-17.12	PASS

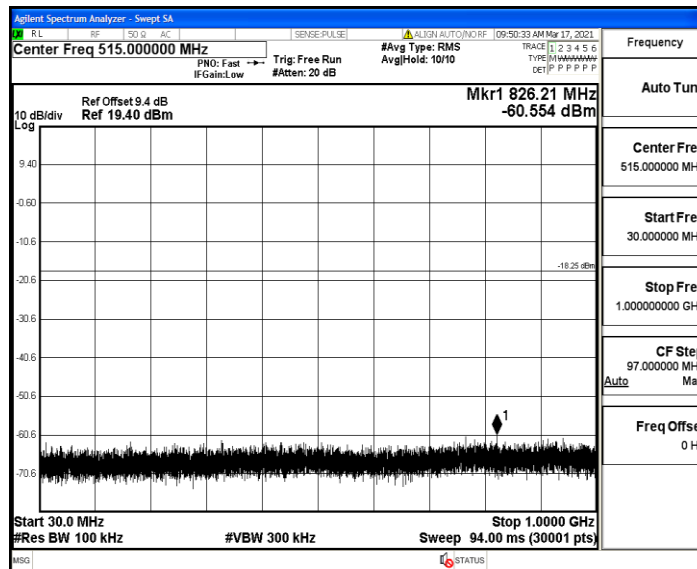


A.6. RF Conducted Spurious Emissions

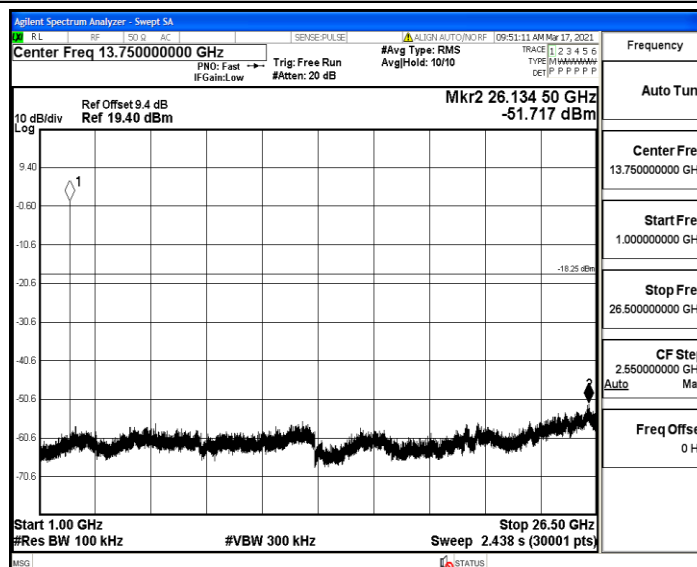
BLE_1M_Ant1_2402_0~Reference



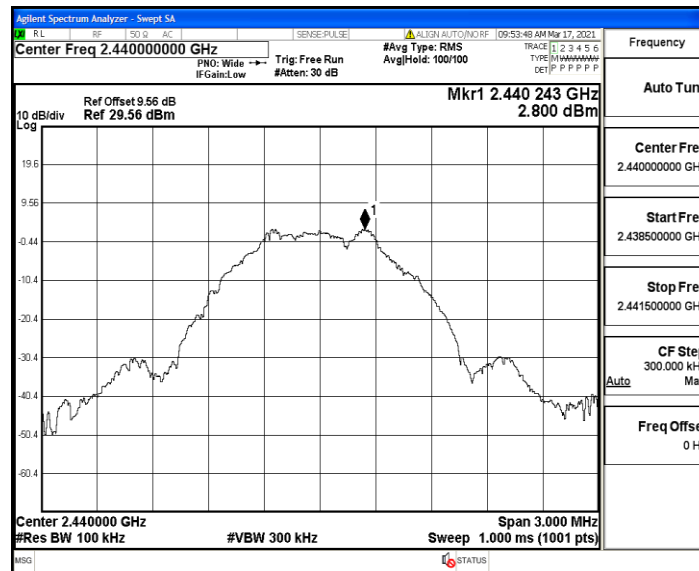
BLE_1M_Ant1_2402_30~1000



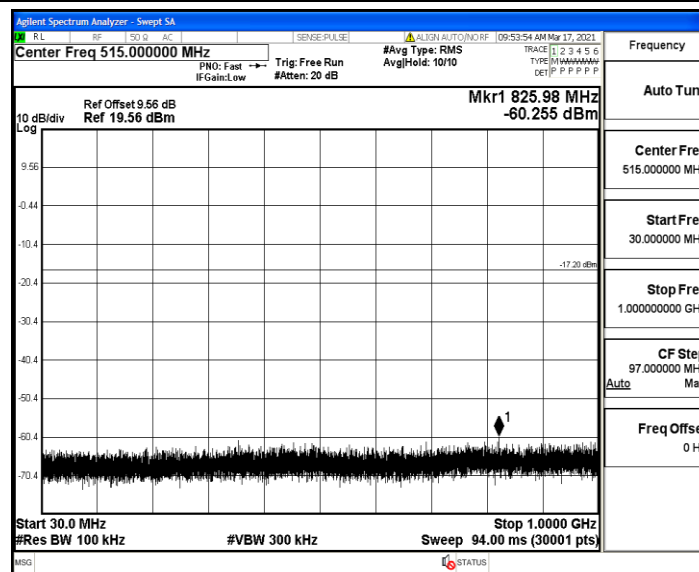
BLE_1M_Ant1_2402_1000~26500



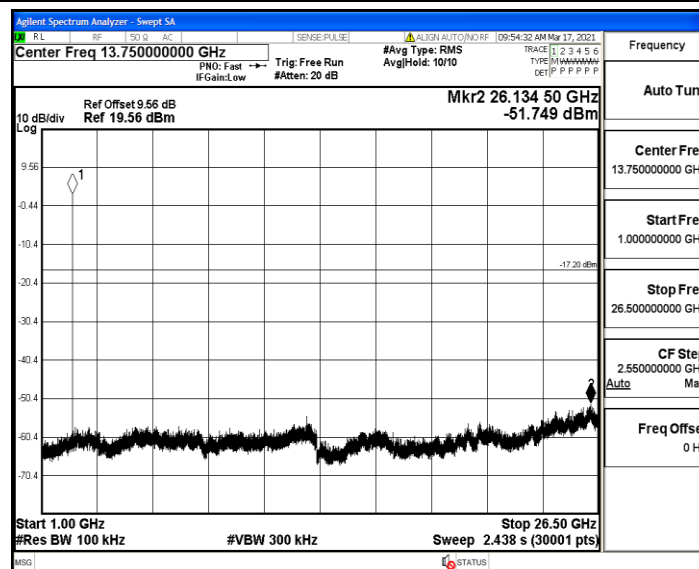
BLE_1M_Ant1_2440_0~Reference



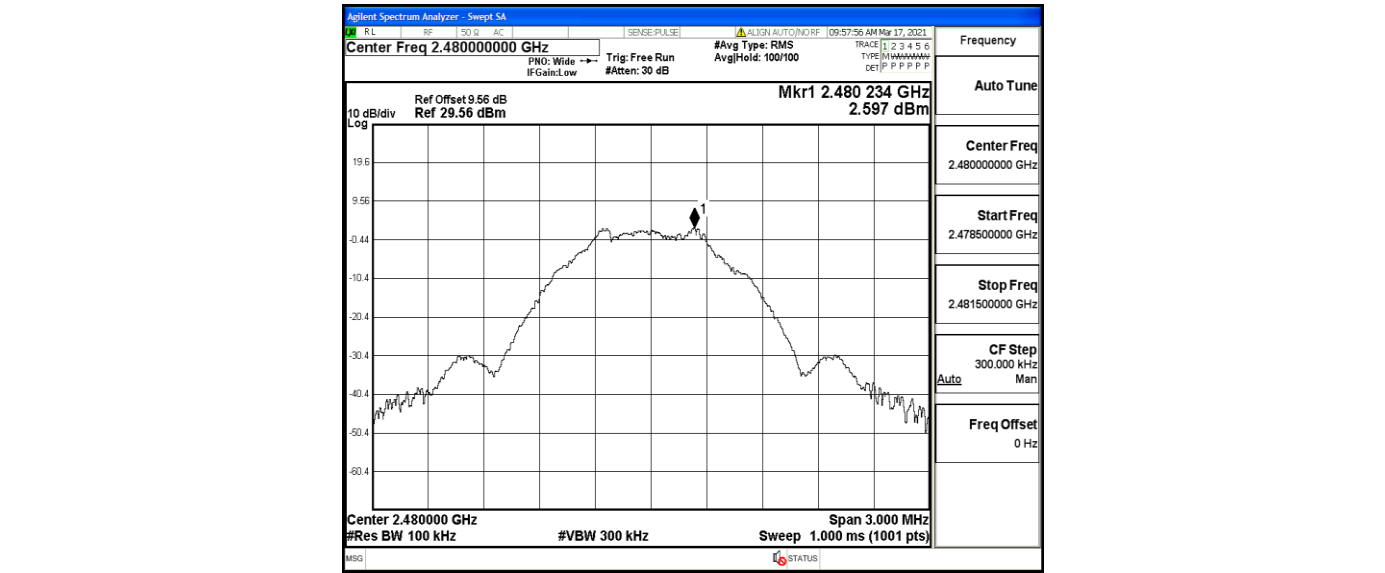
BLE_1M_Ant1_2440_30~1000



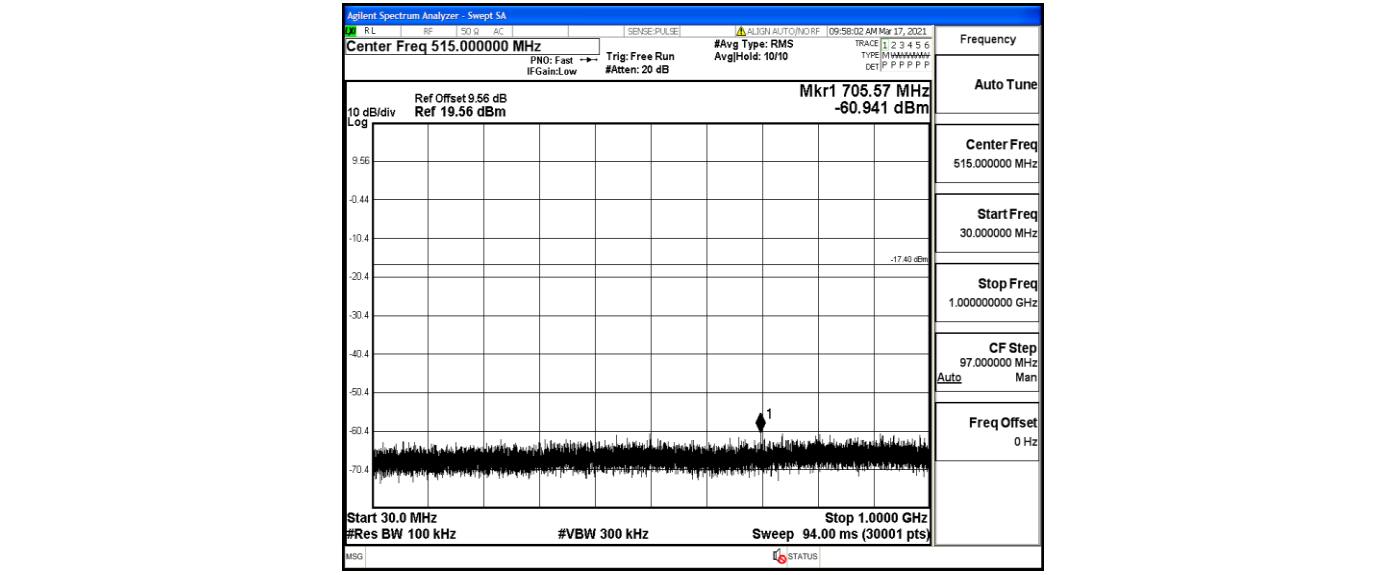
BLE_1M_Ant1_2440_1000~26500



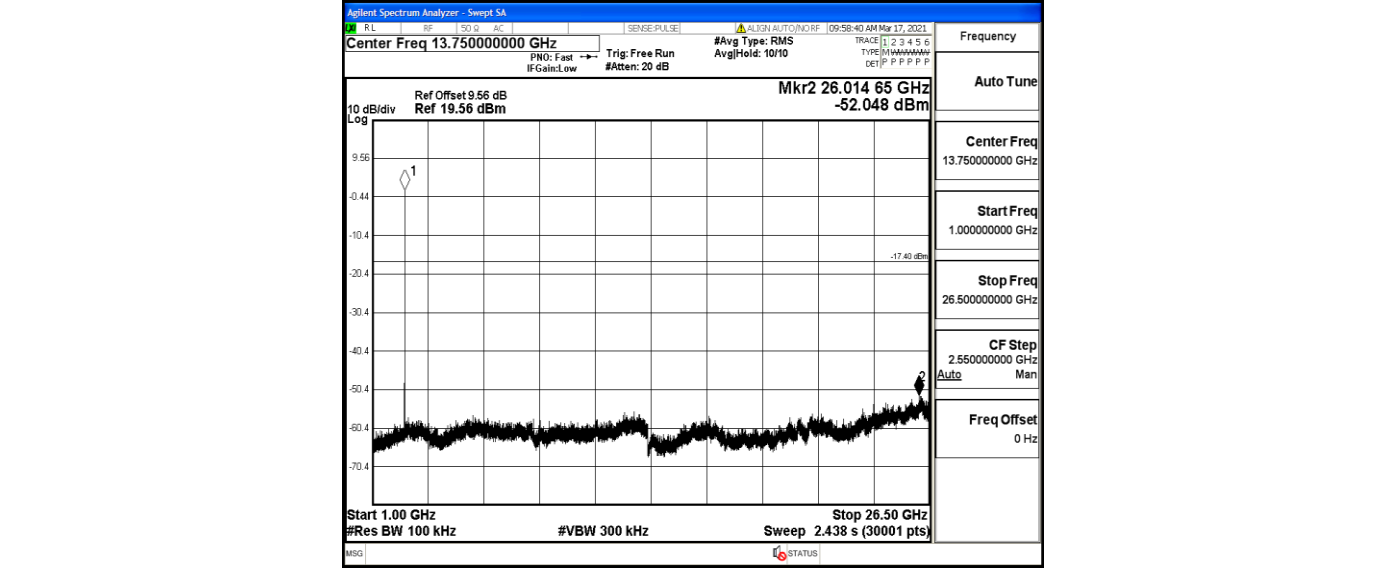
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



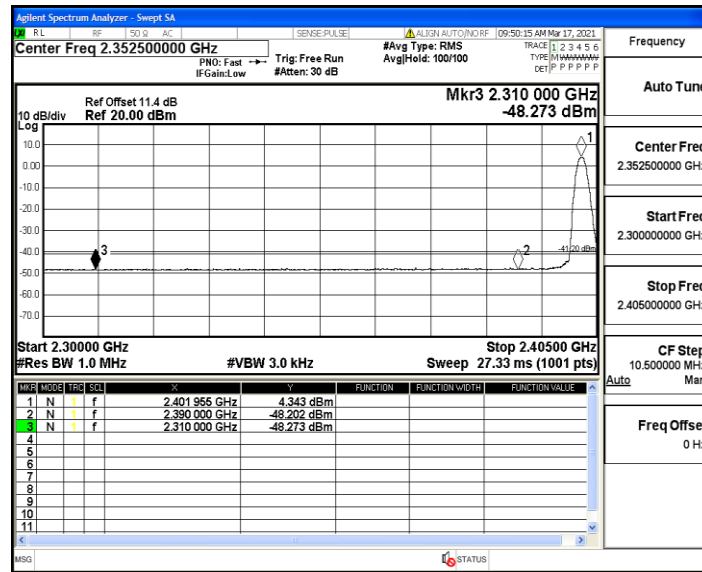
BLE_1M_Ant1_2480_1000~26500



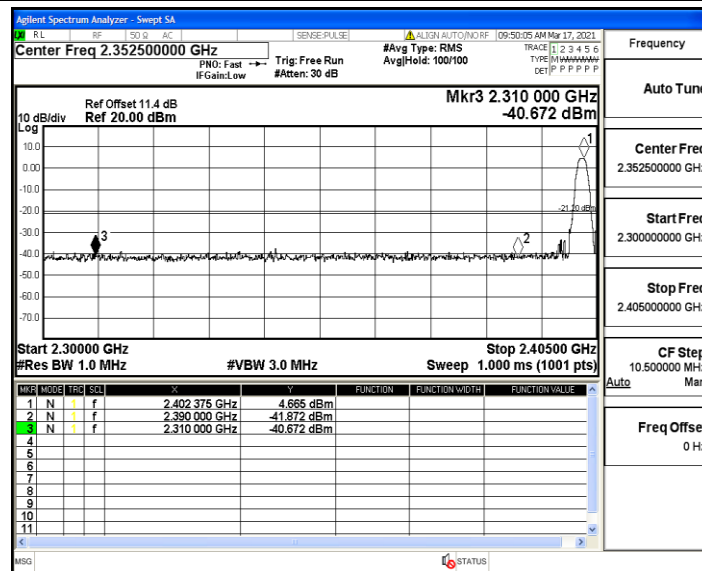
A.7. Restrict-band band-edge measurements

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.27	<=-41.20	PASS
				AV	2390.000	-48.2	<=-41.20	PASS
				Peak	2310.000	-40.67	<=-21.20	PASS
				Peak	2390.000	-41.87	<=-21.20	PASS
		High	2480	AV	2483.500	-45.62	<=-41.20	PASS
				AV	2500.000	-47.31	<=-41.20	PASS
				Peak	2483.500	-41.16	<=-21.20	PASS
				Peak	2500.000	-42.4	<=-21.20	PASS

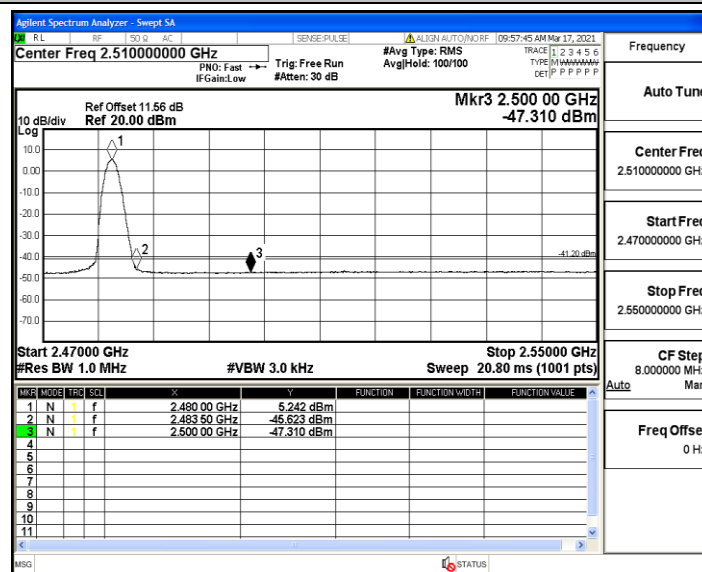
BLE_1M_Ant1_Low_2402_AV



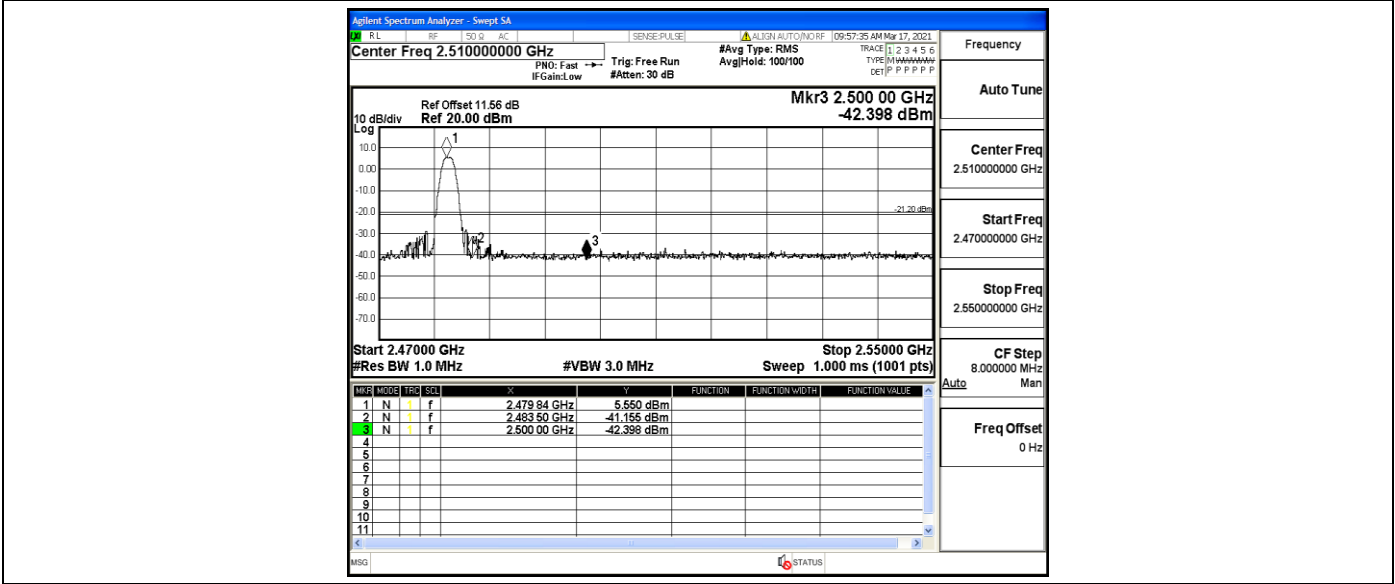
BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak

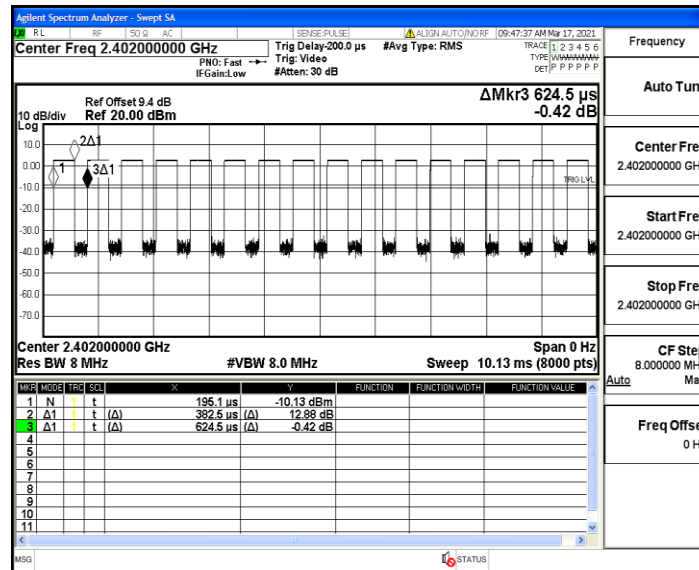


1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
- 2.The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

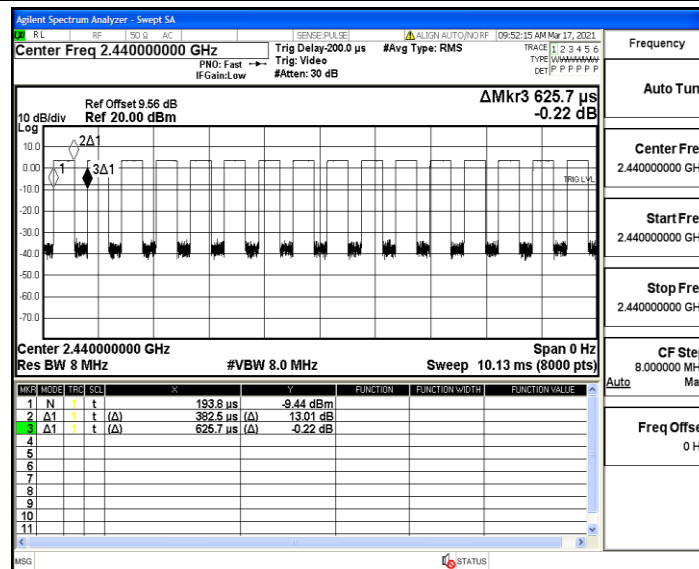
A.8. Duty Cycle

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B[KHz]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.63
		2440	0.38	0.63	60.32	2.63
		2480	0.38	0.63	60.32	2.63

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

