Appendix A

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

Product Name: True Wireless Earbuds

Trade Mark: HAYLOU

Test Model: Haylou-GT7

FCC ID: 2AMQ6-GT7

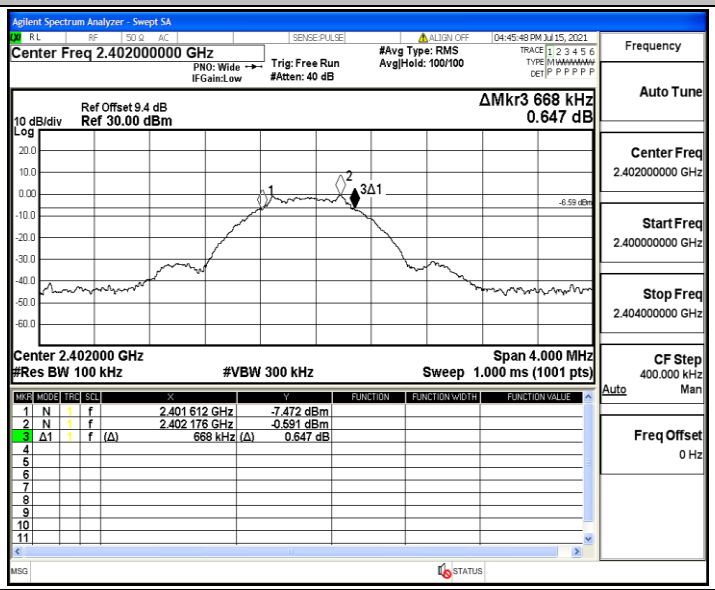
Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	60%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen
NOTE	N/A

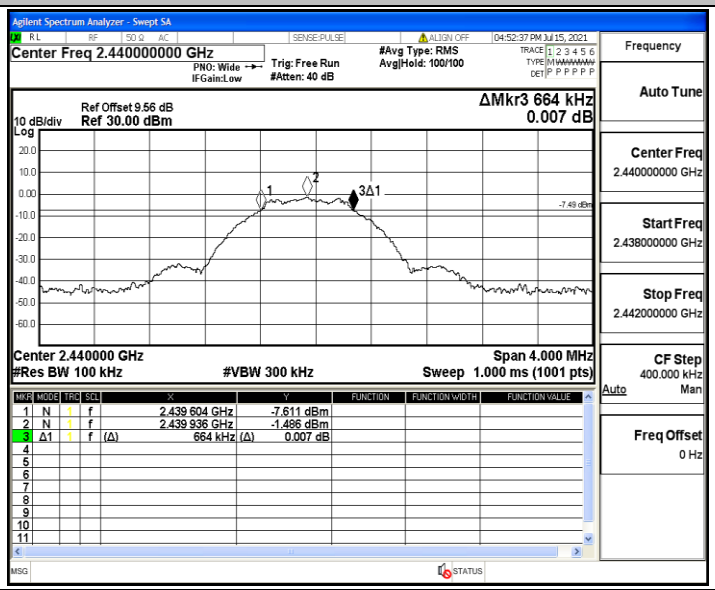
A.1. 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.612	2402.280	0.5	PASS
		2440	0.664	2439.604	2440.268	0.5	PASS
		2480	0.712	2479.572	2480.284	0.5	PASS

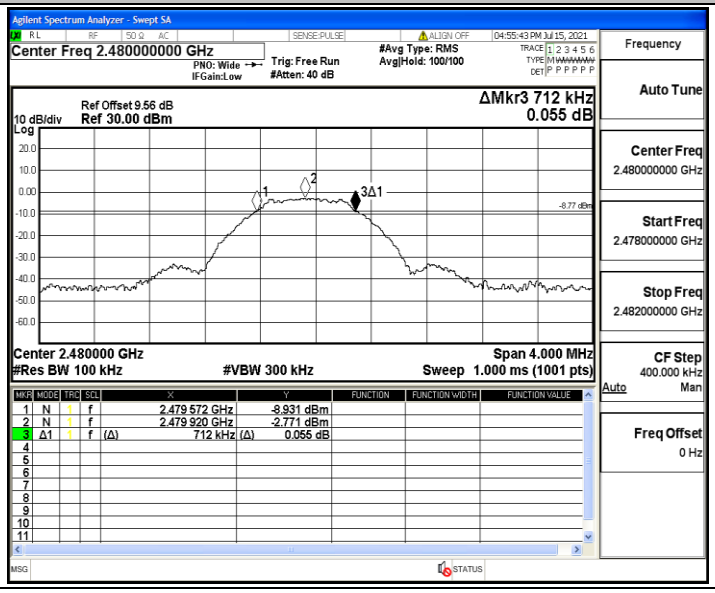
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



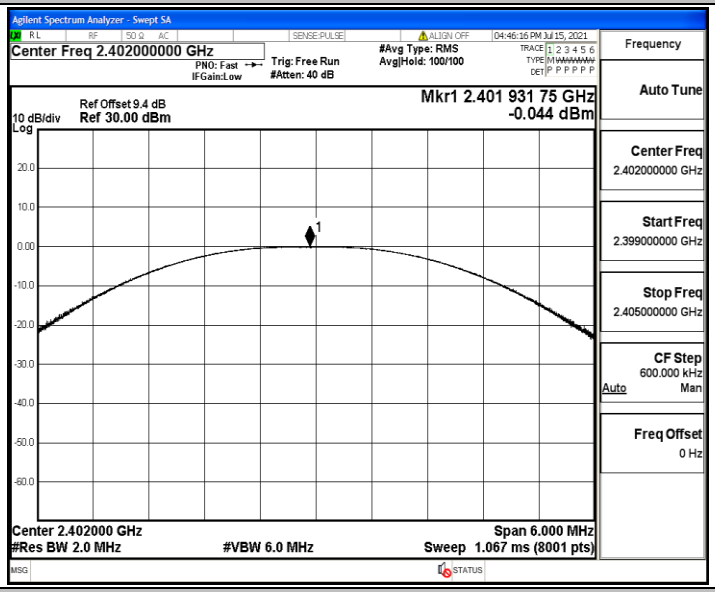
A.2. Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict

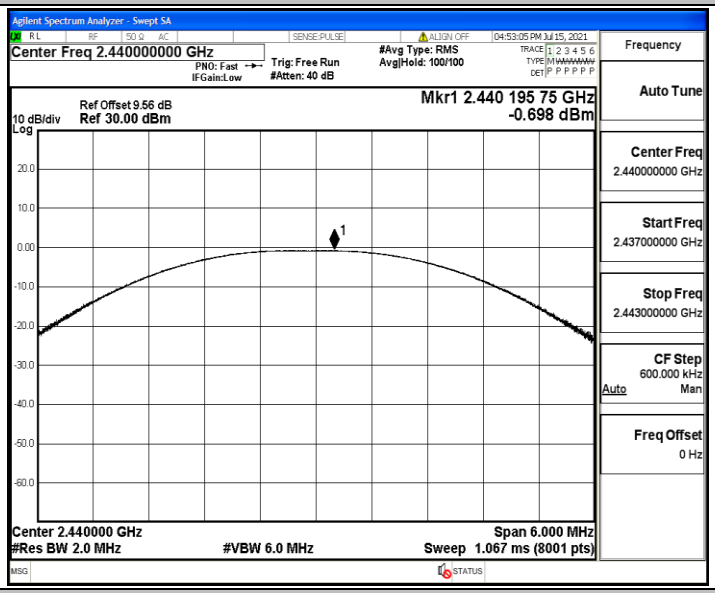
A.3. Maximum peak conducted output power

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.04	<=30	PASS
		2440	-0.7	<=30	PASS
		2480	-1.23	<=30	PASS

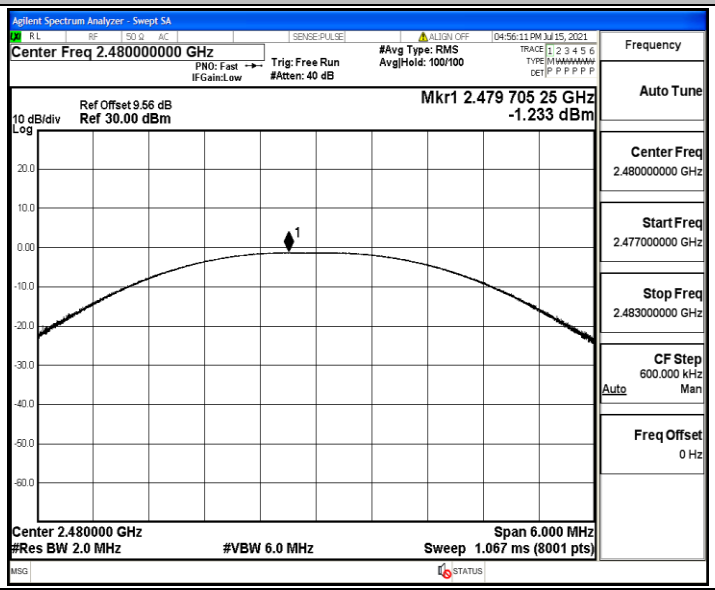
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



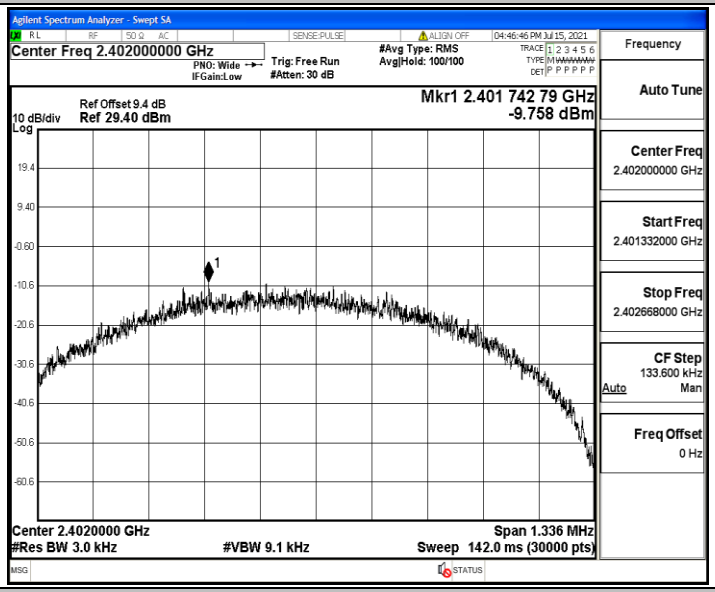
BLE_1M_Ant1_2480



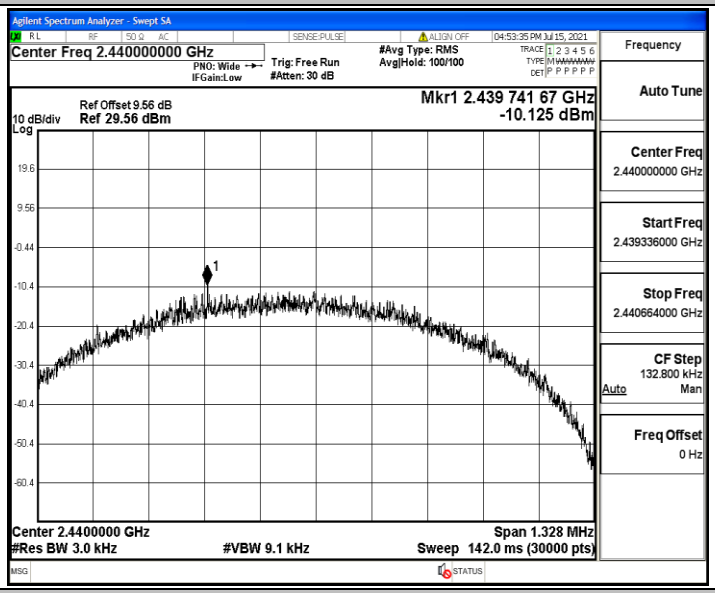
A.4. Maximum Peak power spectral density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.76	<=8	PASS
		2440	-10.13	<=8	PASS
		2480	-10.64	<=8	PASS

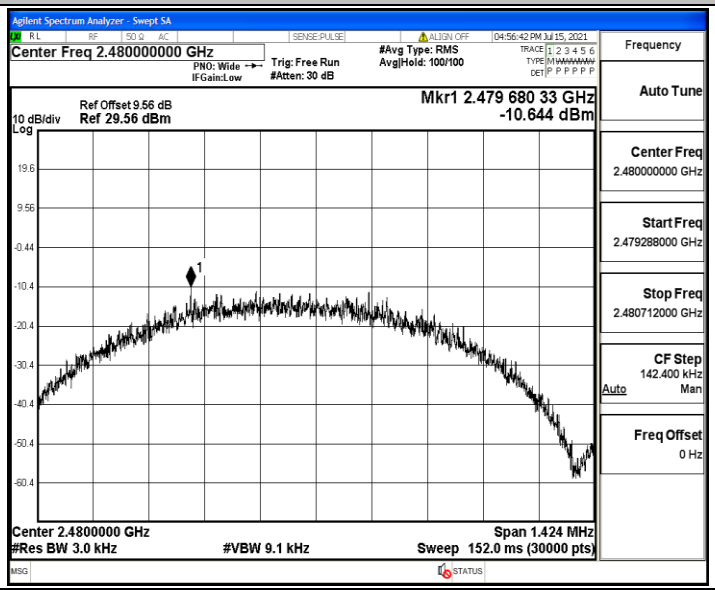
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



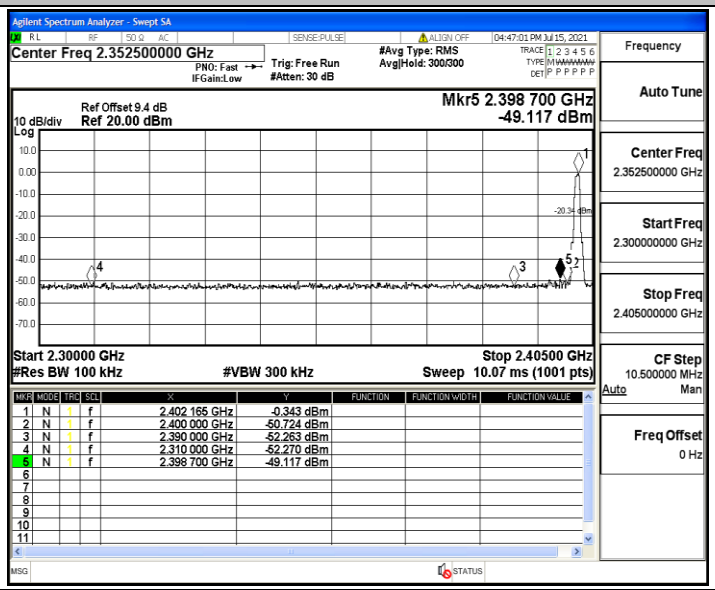
BLE_1M_Ant1_2480



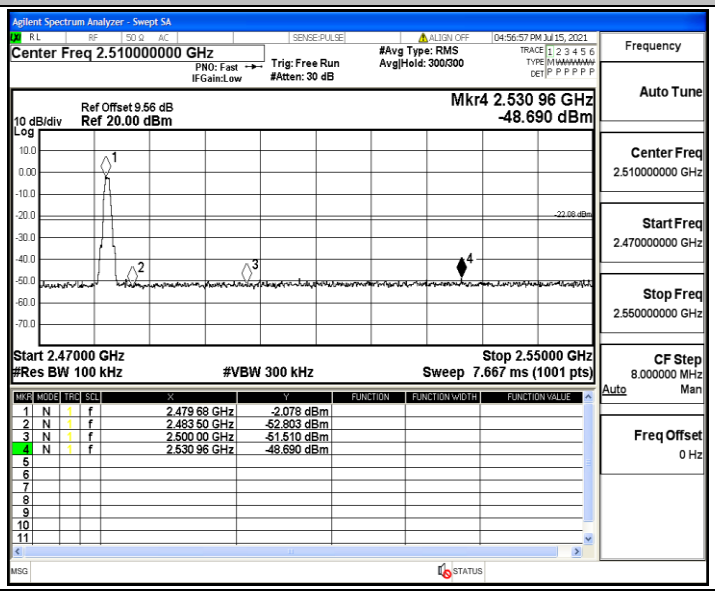
A.5. Band-edge for RF Conducted Emissions

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.34	-49.12	<=-20.34	PASS
		High	2480	-2.08	-48.69	<=-22.08	PASS

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



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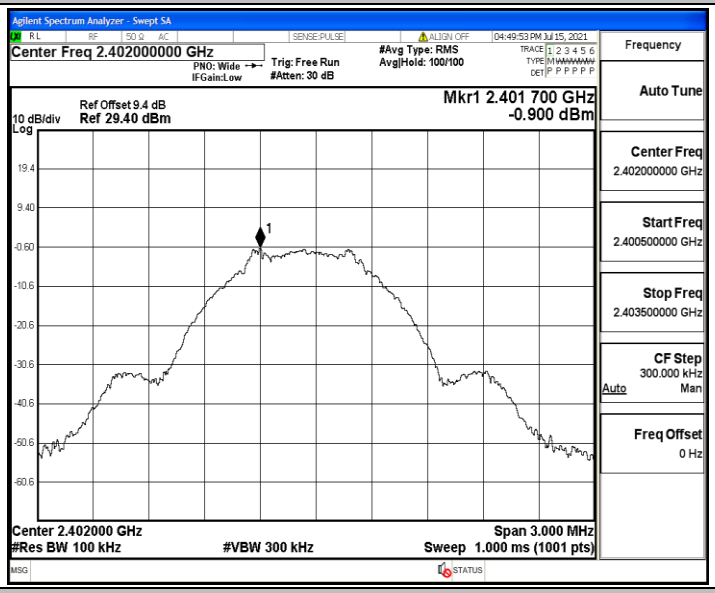
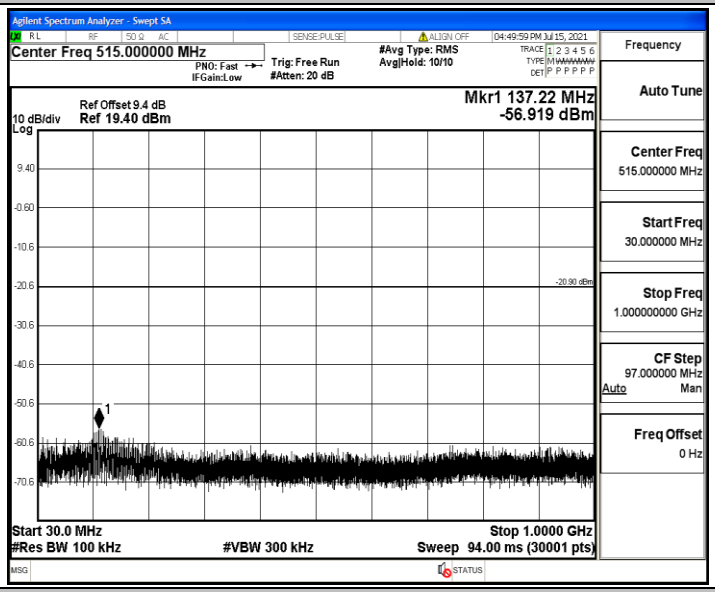
A.6. RF Conducted Spurious Emissions

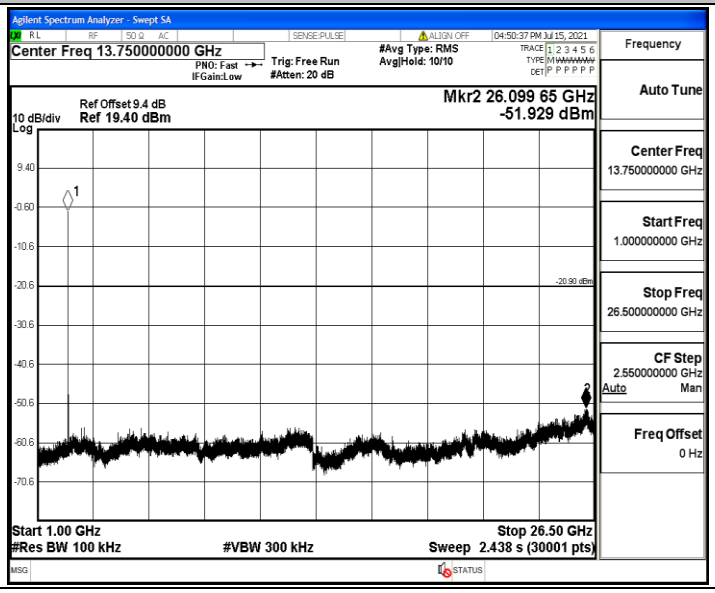
BLE_1M_Ant1_2402_0~Reference



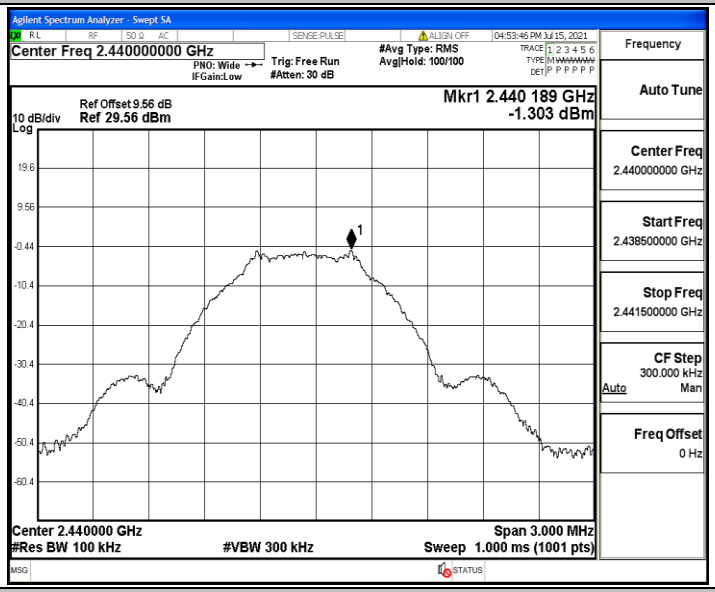
BLE_1M_Ant1_2402_30~1000



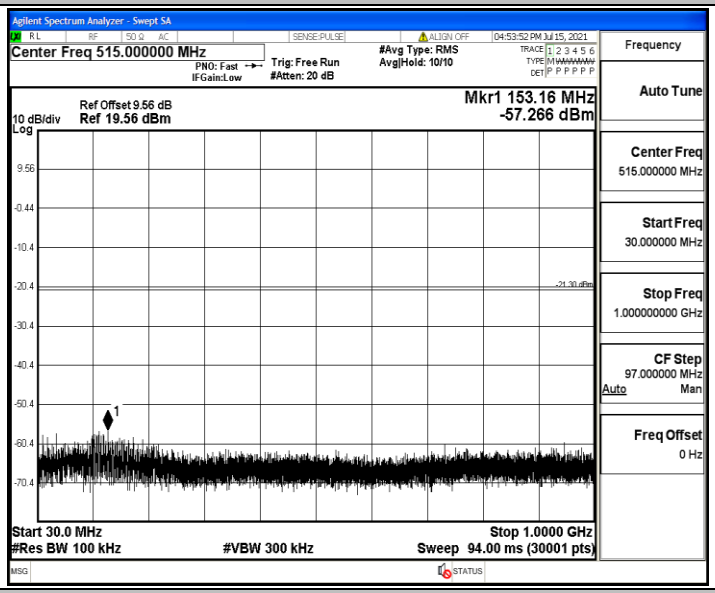
BLE_1M_Ant1_2402_1000~26500



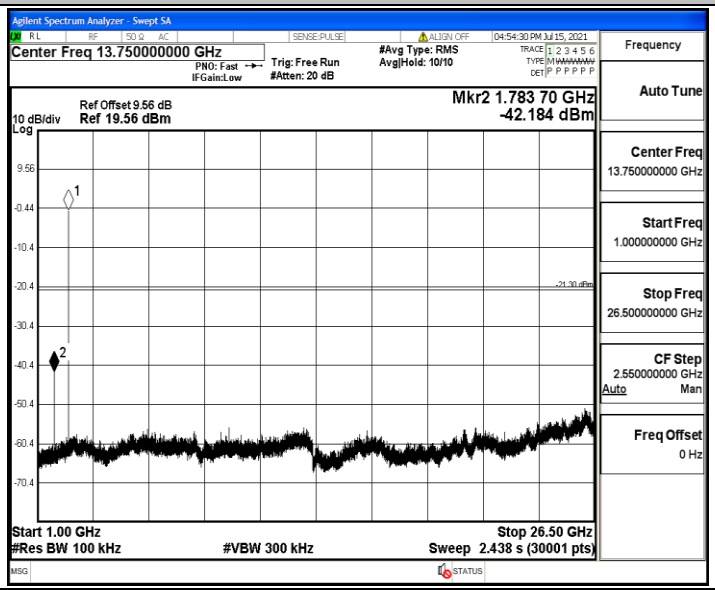
BLE_1M_Ant1_2440_0~Reference



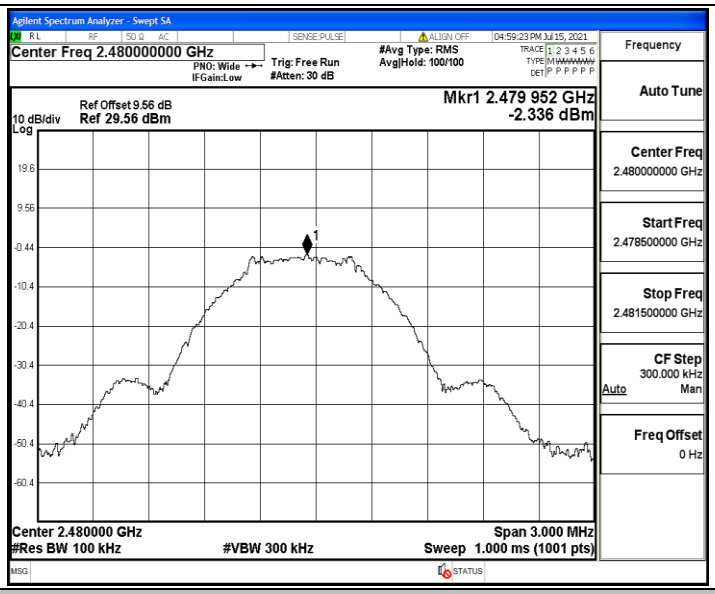
BLE_1M_Ant1_2440_30~1000



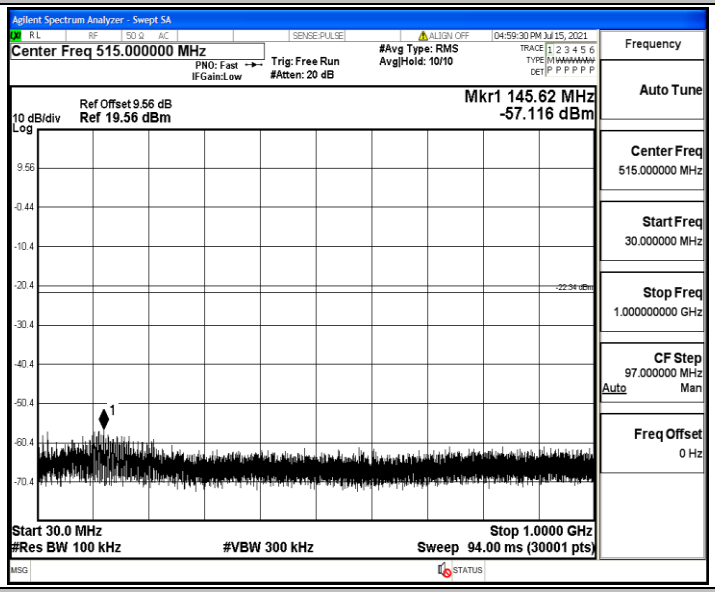
BLE_1M_Ant1_2440_1000~26500



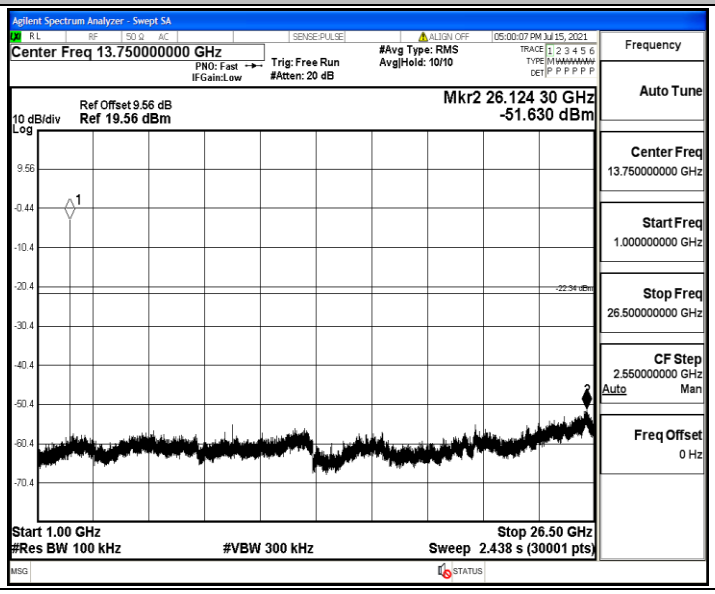
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



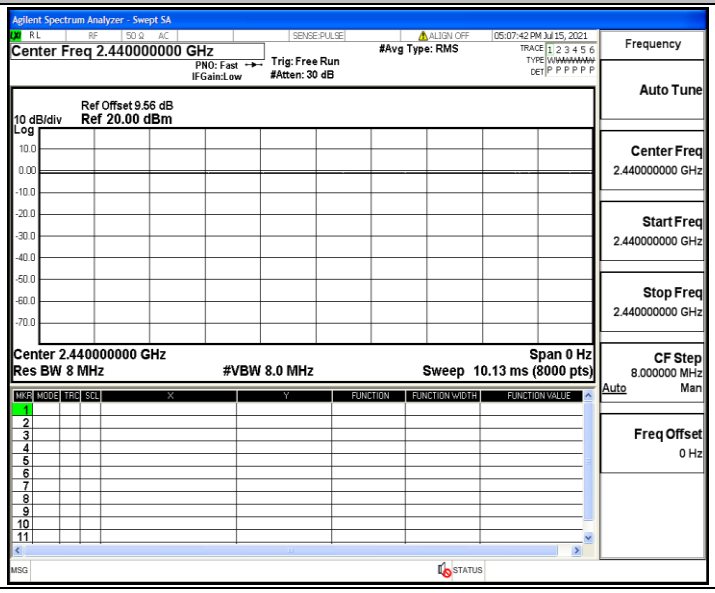
BLE_1M_Ant1_2480_1000~26500



A.7. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE(1Mbps)	2440	Ant1	100	PASS

BLE_1M_Ant1_2440

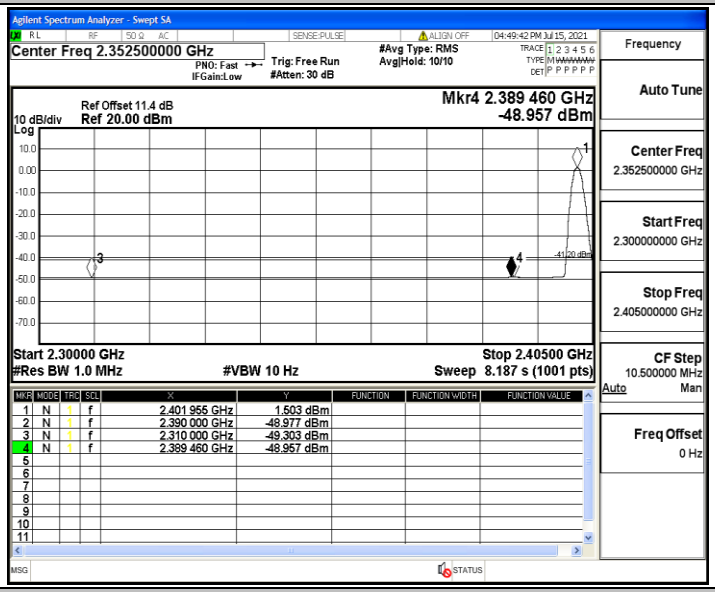


A.8. Restrict-band band-edge measurements

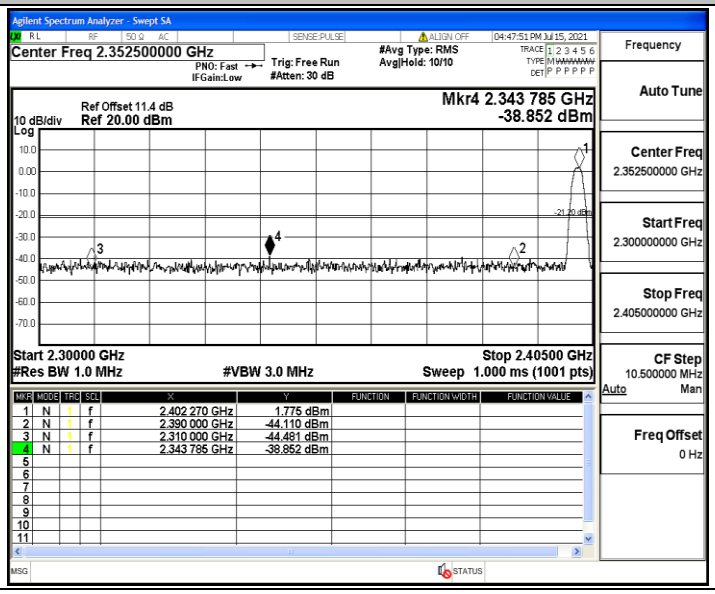
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-49.3	<=-41.20	PASS
				AV	2389.460	-48.96	<=-41.20	PASS
				AV	2390.000	-48.98	<=-41.20	PASS
				Peak	2310.000	-44.48	<=-21.20	PASS
				Peak	2343.785	-38.85	<=-21.20	PASS
				Peak	2390.000	-44.11	<=-21.20	PASS
		High	2480	AV	2483.500	-48.29	<=-41.20	PASS
				AV	2500.000	-48.31	<=-41.20	PASS
				Peak	2483.500	-43.76	<=-21.20	PASS
				Peak	2499.760	-39	<=-21.20	PASS
				Peak	2500.000	-46.31	<=-21.20	PASS

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.

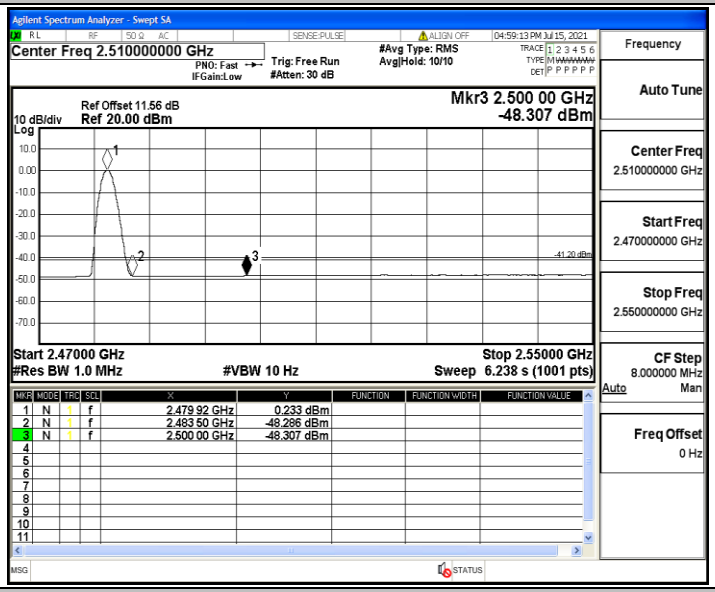
BLE_1M_Ant1_Low_2402_AV



BLE_1M_Ant1_Low_2402_Peak



BLE_1M_Ant1_High_2480_AV



BLE_1M_Ant1_High_2480_Peak