

Appendix A

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

Product Name: ROMOTE CONTROLLER

Trade Mark: N/A

Test Model: WH-5917_BLE

FCC ID: H8N-5917BLE

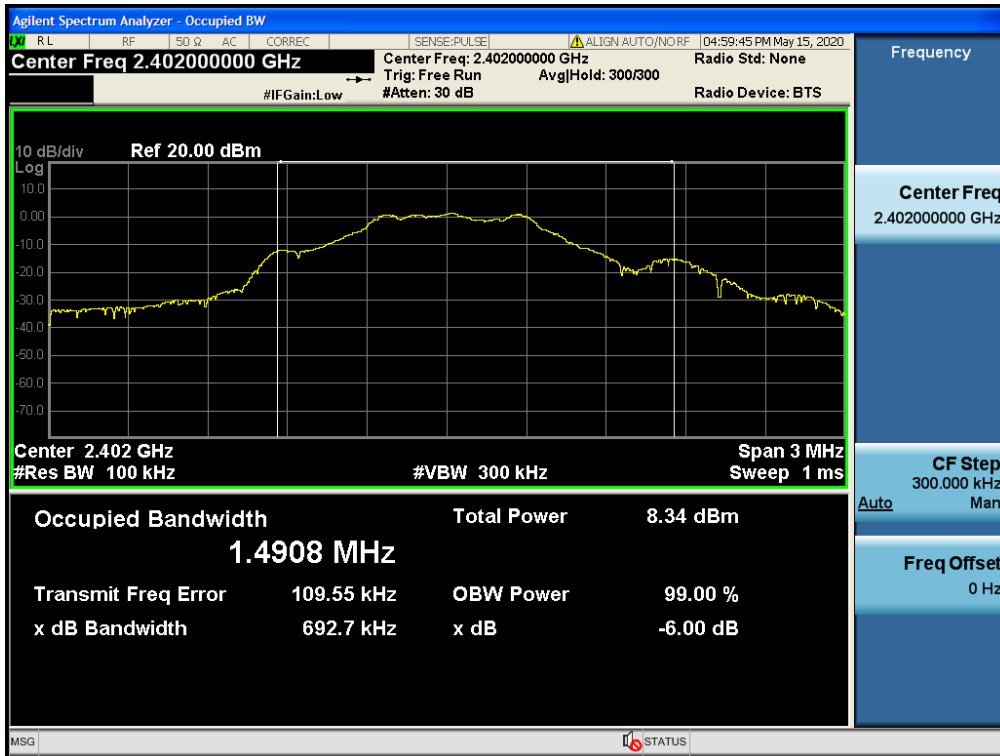
Environmental Conditions

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

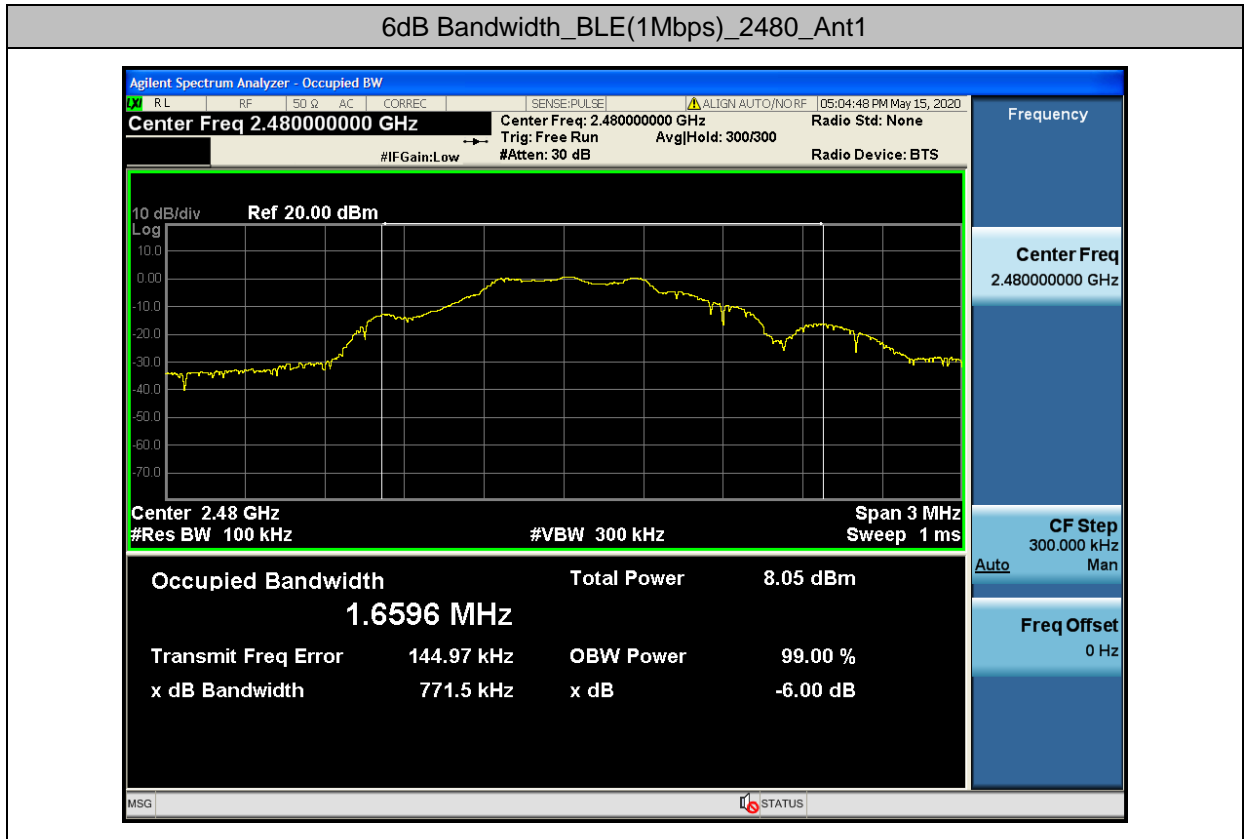
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE(1Mbps)	2402	Ant1	0.693	0.5	PASS
BLE(1Mbps)	2440	Ant1	0.715	0.5	PASS
BLE(1Mbps)	2480	Ant1	0.772	0.5	PASS

6dB Bandwidth_BLE(1Mbps)_2402_Ant1



6dB Bandwidth_BLE(1Mbps)_2440_Ant1





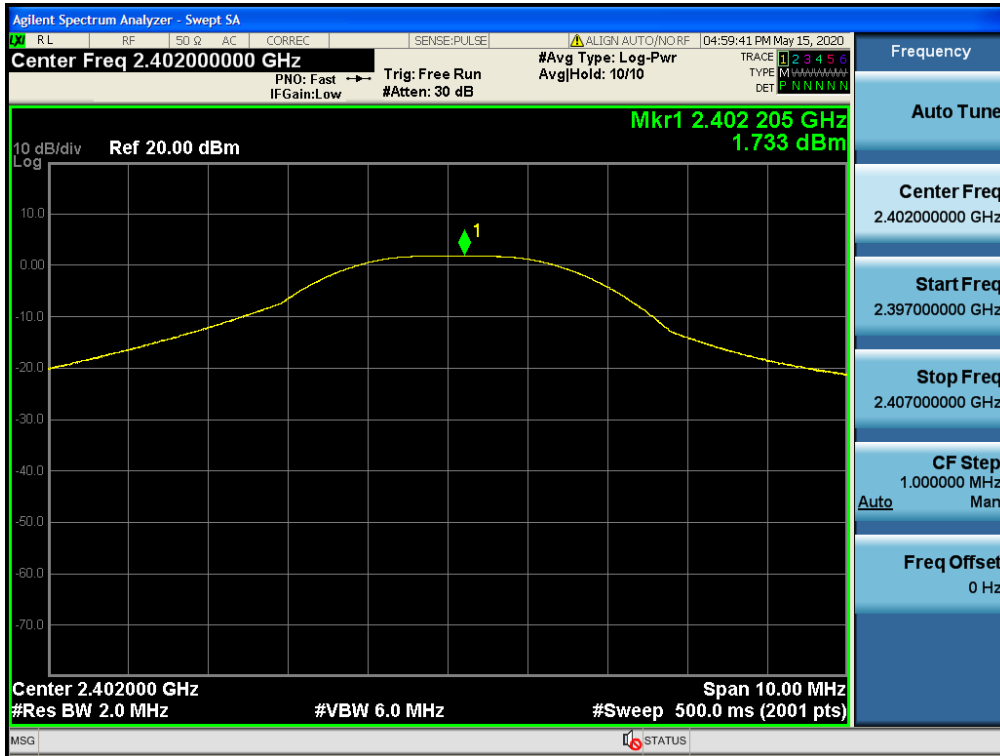
A.2. Occupied Bandwidth

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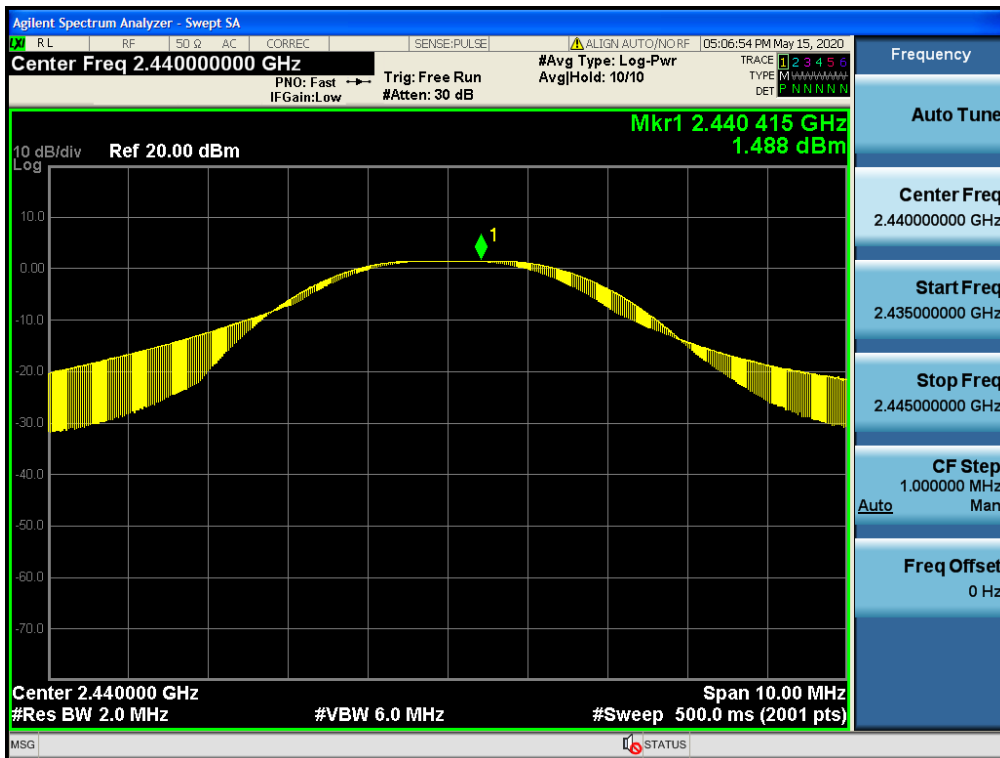
A.3. Maximum peak conducted output power

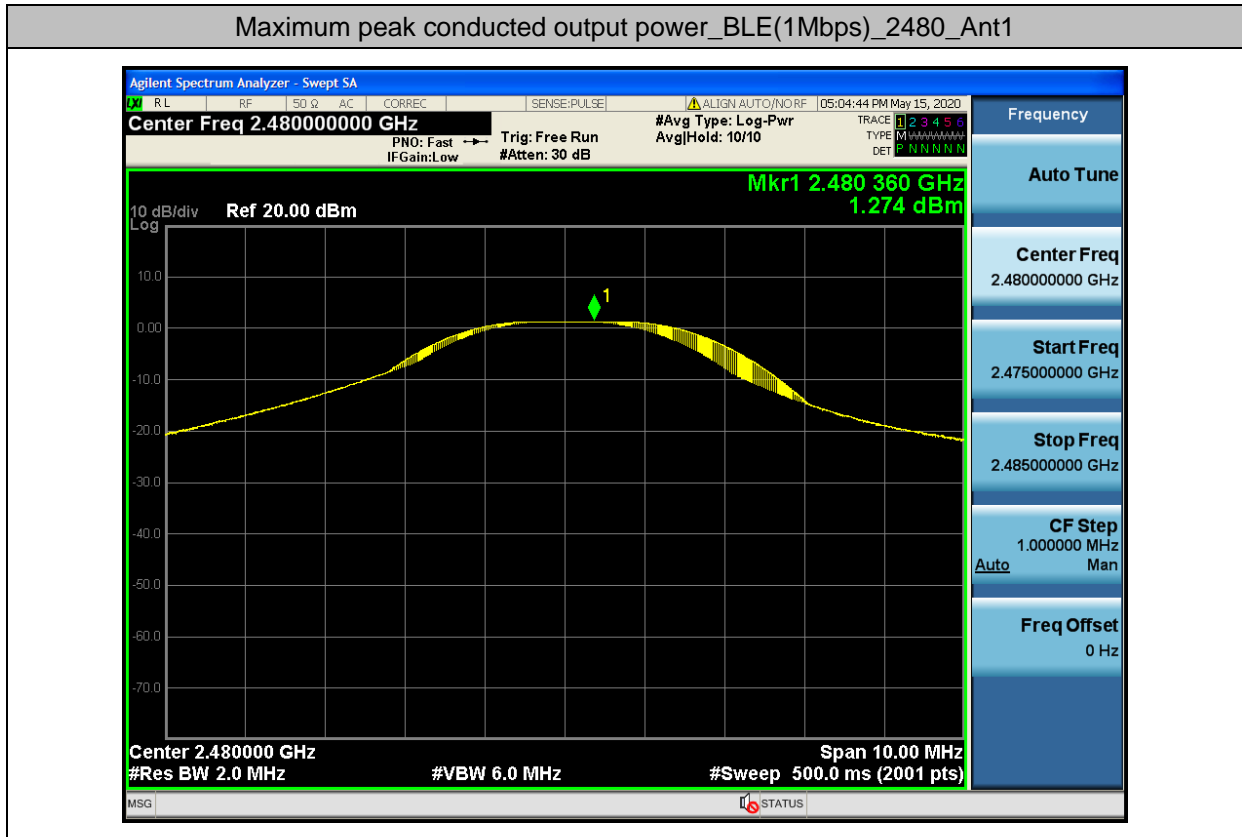
Test Mode	Test	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE(1Mbps)	2402	Ant1	1.733	30	PASS
BLE(1Mbps)	2440	Ant1	1.488	30	PASS
BLE(1Mbps)	2480	Ant1	1.274	30	PASS

Maximum peak conducted output power_BLE(1Mbps)_2402_Ant1



Maximum peak conducted output power_BLE(1Mbps)_2440_Ant1

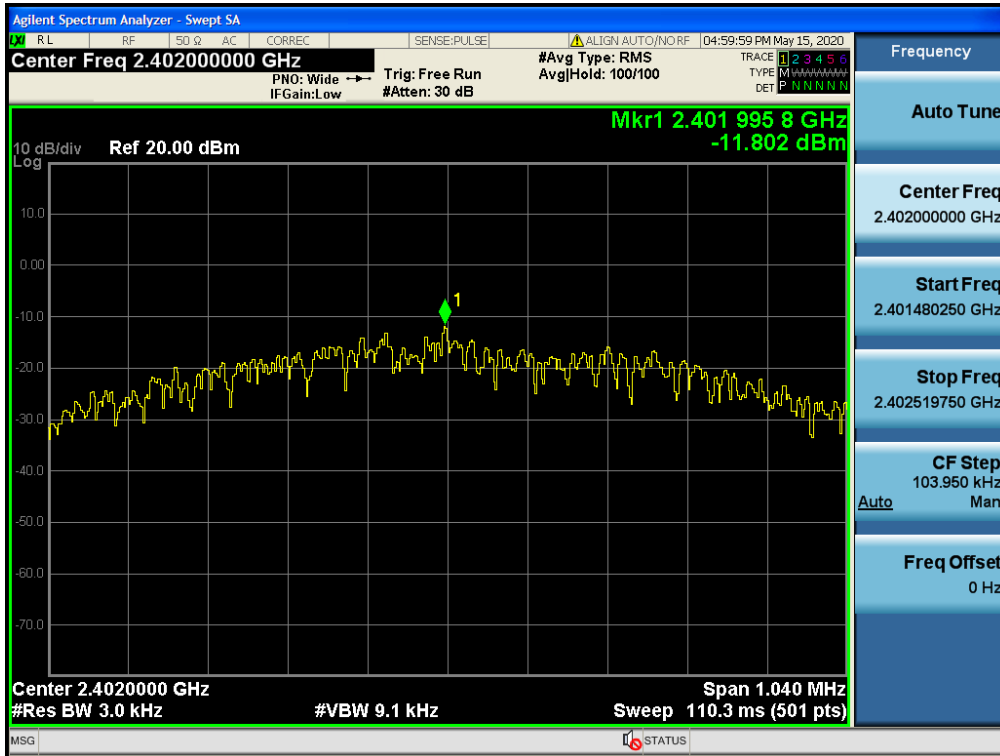




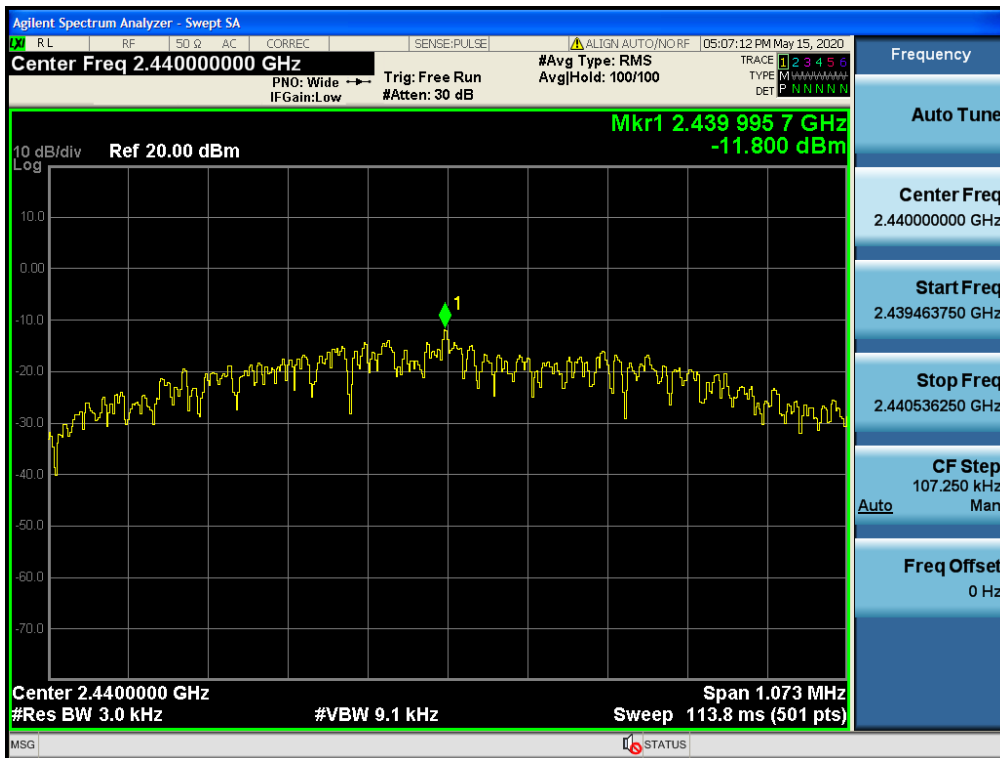
A.4. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE(1Mbps)	2402	Ant1	-11.802	8.00	PASS
BLE(1Mbps)	2440	Ant1	-11.800	8.00	PASS
BLE(1Mbps)	2480	Ant1	-11.591	8.00	PASS

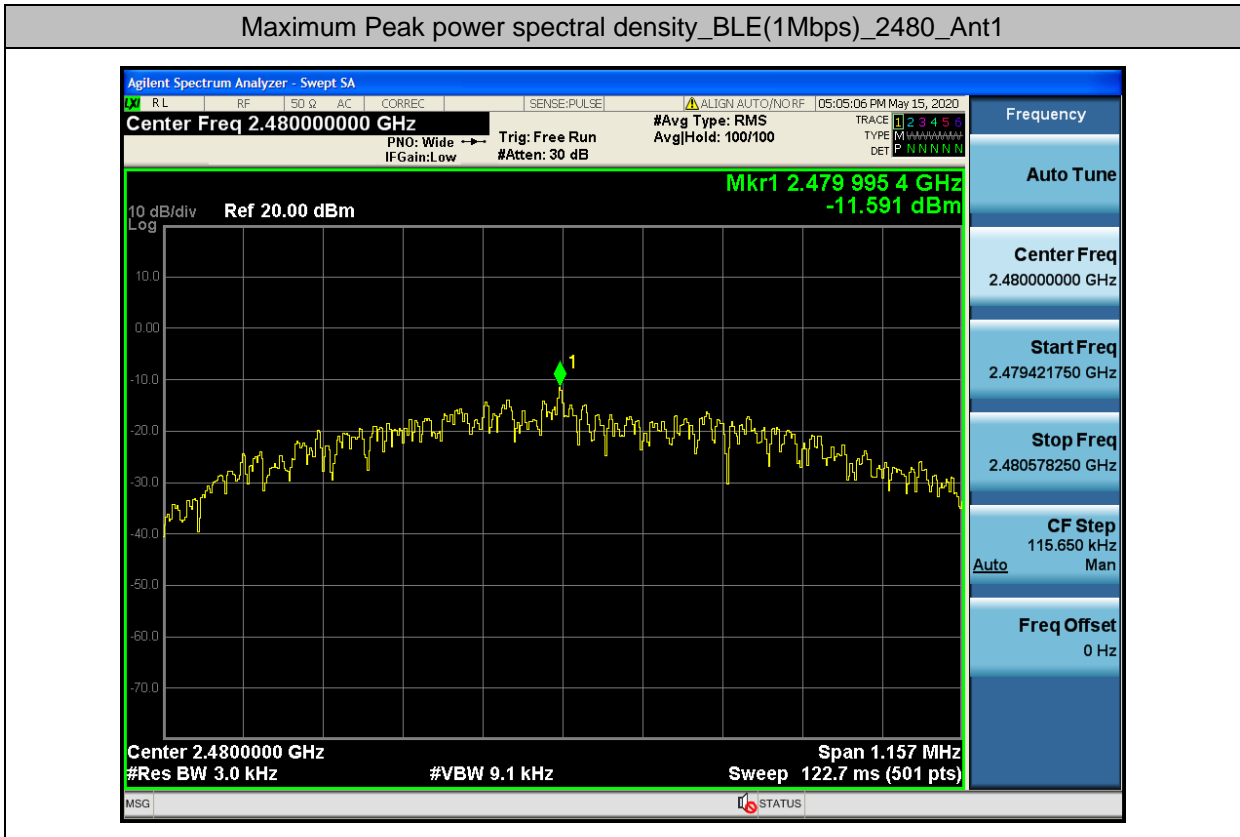
Maximum Peak power spectral density_BLE(1Mbps)_2402_Ant1



Maximum Peak power spectral density_BLE(1Mbps)_2440_Ant1



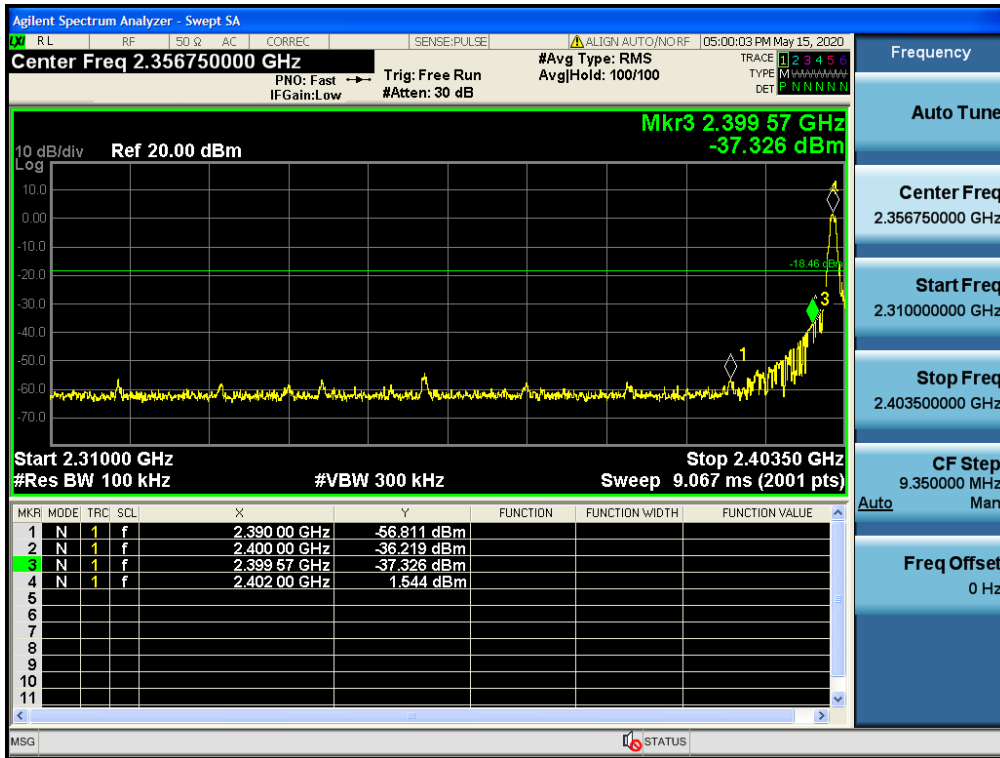
Maximum Peak power spectral density_BLE(1Mbps)_2480_Ant1



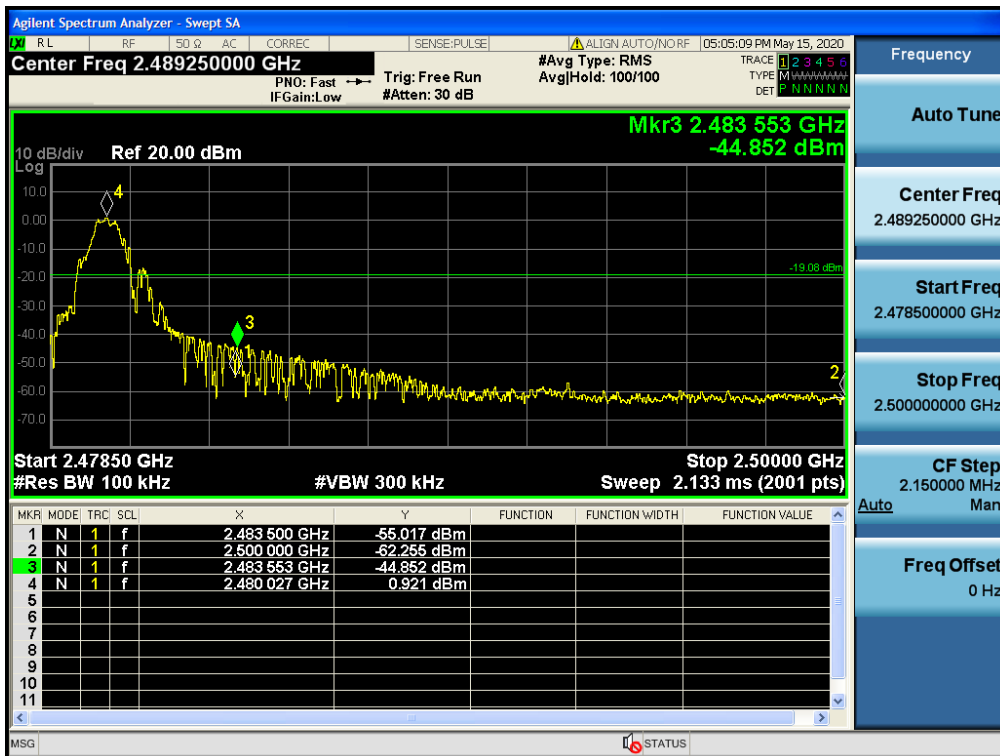
A.5. Band-edge for RF Conducted Emissions

Type	Carrier Frequency(MHz)	Frequency(MHz)	Carrier Frequency Power [dBm]	Bandedge Peak(dBm)	Upper limit(dBm)	Conclusion
BLE(1Mbps)	2402	2400	1.544	-36.22	-18.456	Pass
BLE(1Mbps)	2480	2483.553	0.921	-44.852	-19.079	Pass

Band-edge for RF Conducted Emissions_BLE(1Mbps)_2402_Ant1

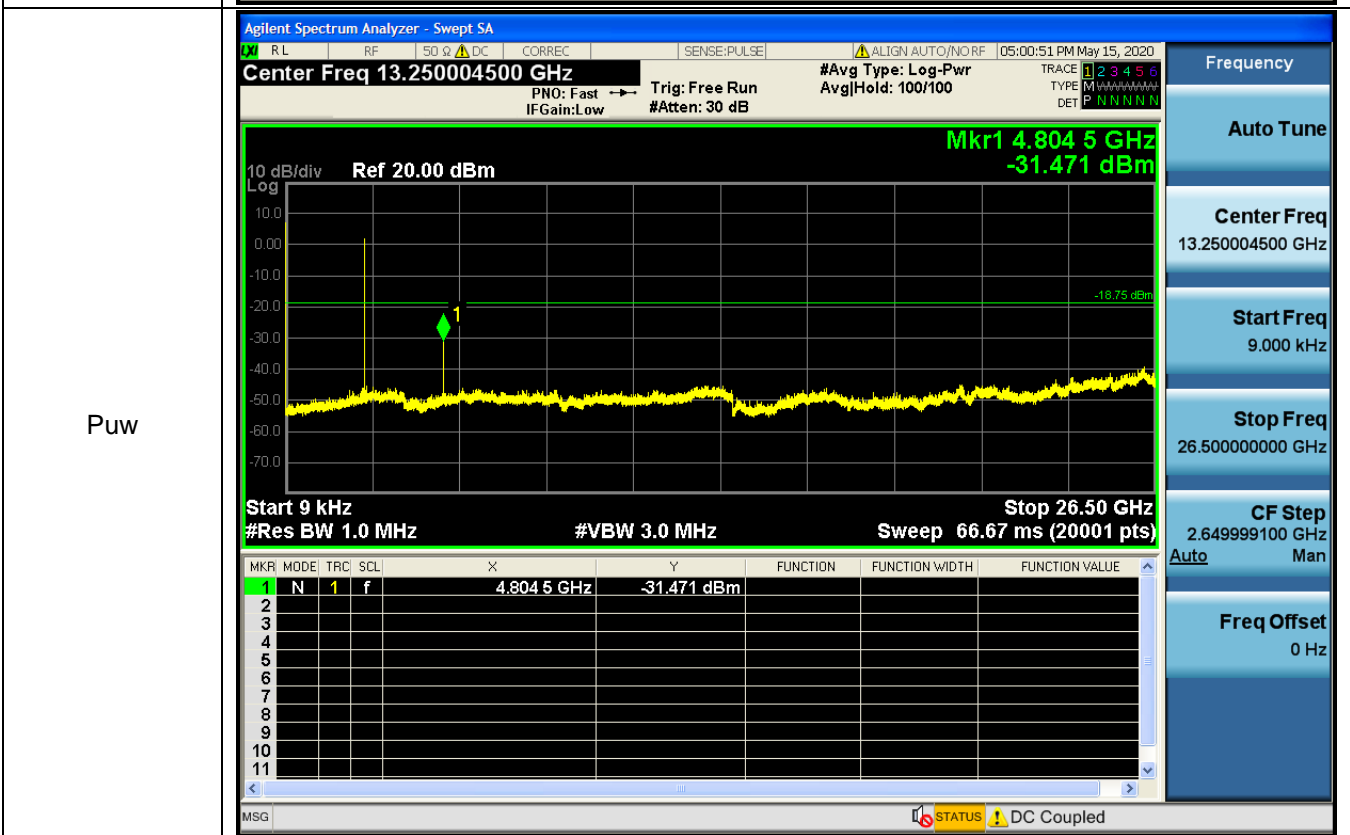
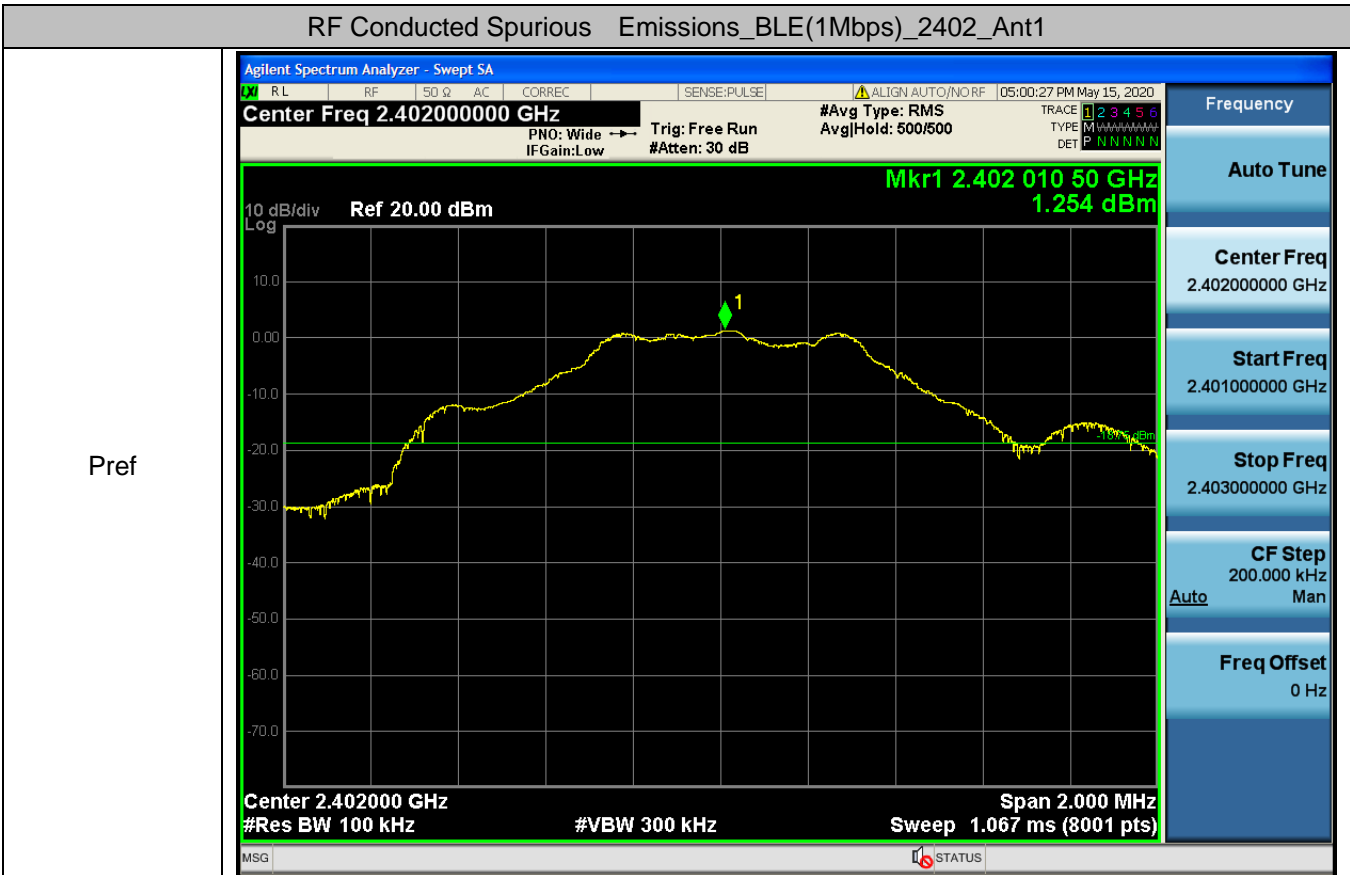


Band-edge for RF Conducted Emissions_BLE(1Mbps)_2480_Ant1



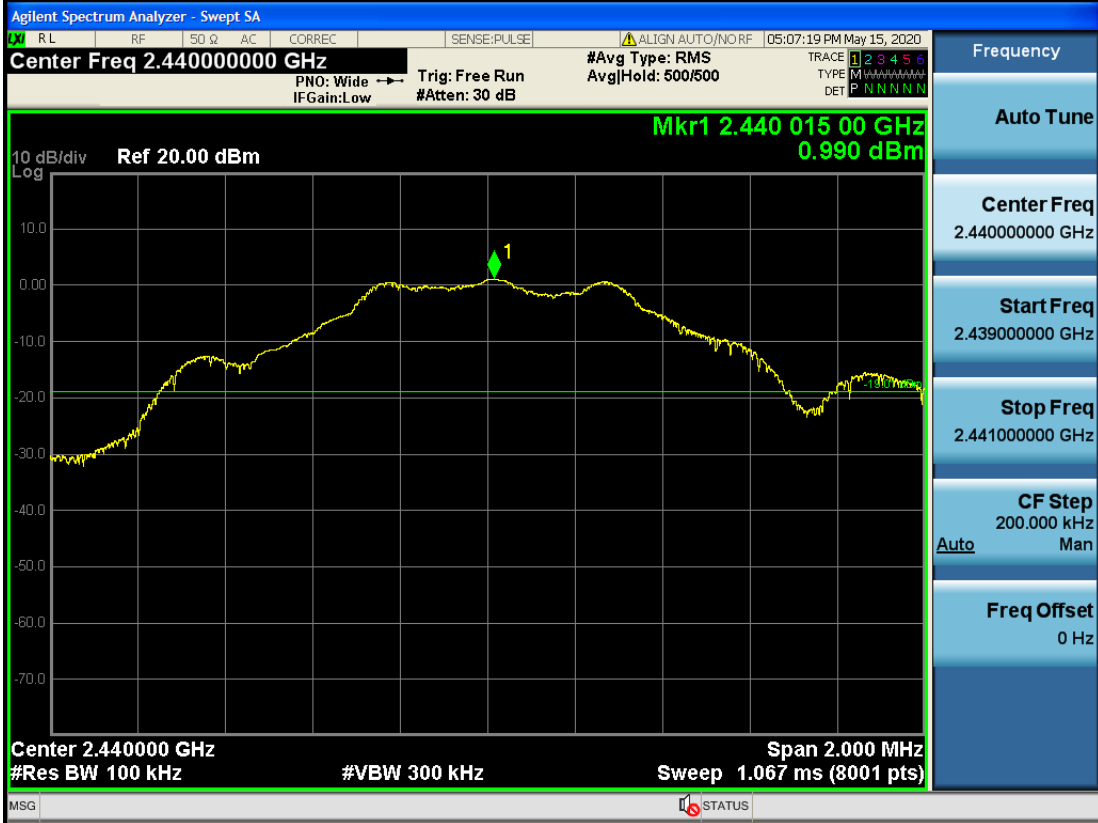
A.6. RF Conducted Spurious Emissions

RF Conducted Spurious Emissions_BLE(1Mbps)_2402_Ant1

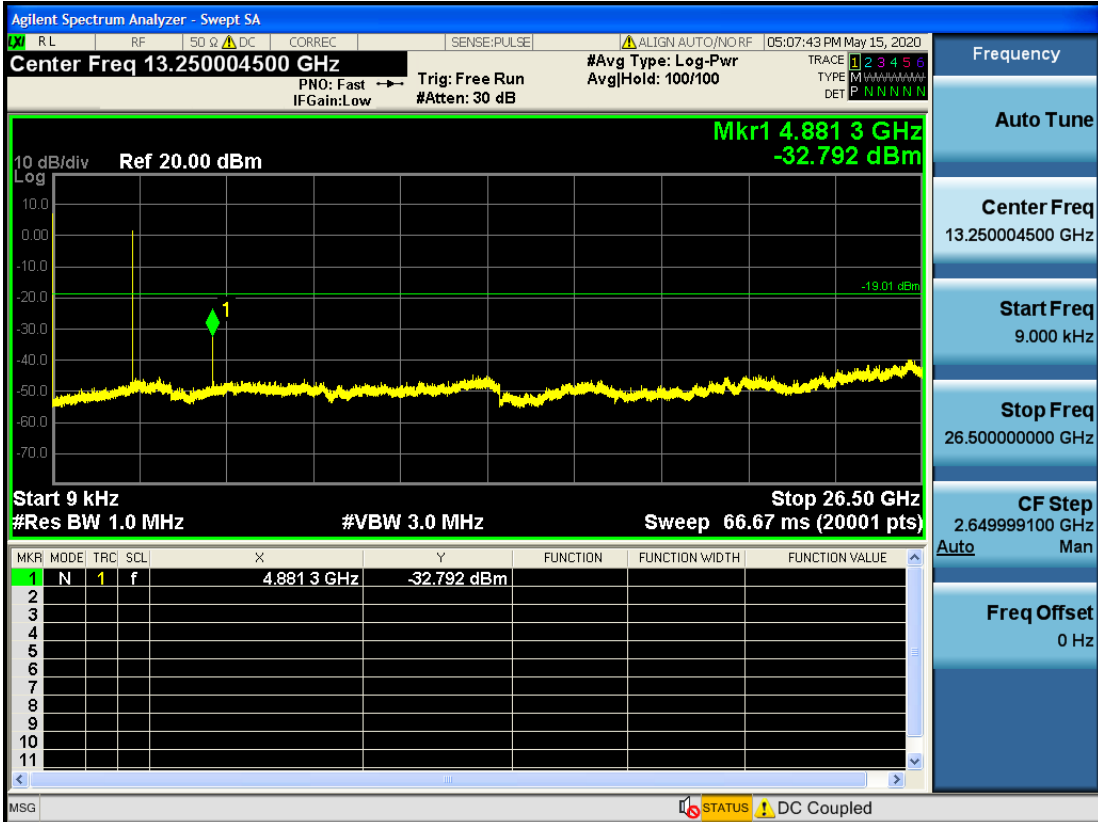


RF Conducted Spurious Emissions_BLE(1Mbps)_2440_Ant1

Pref

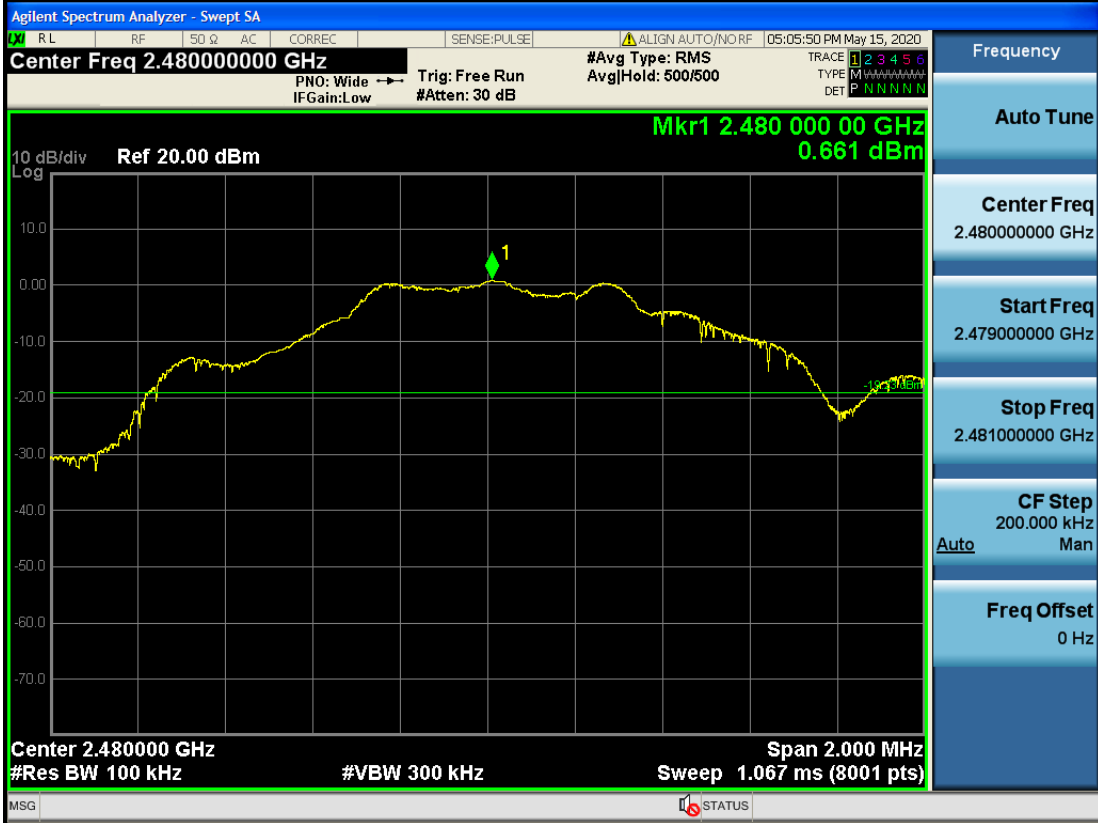


Puw

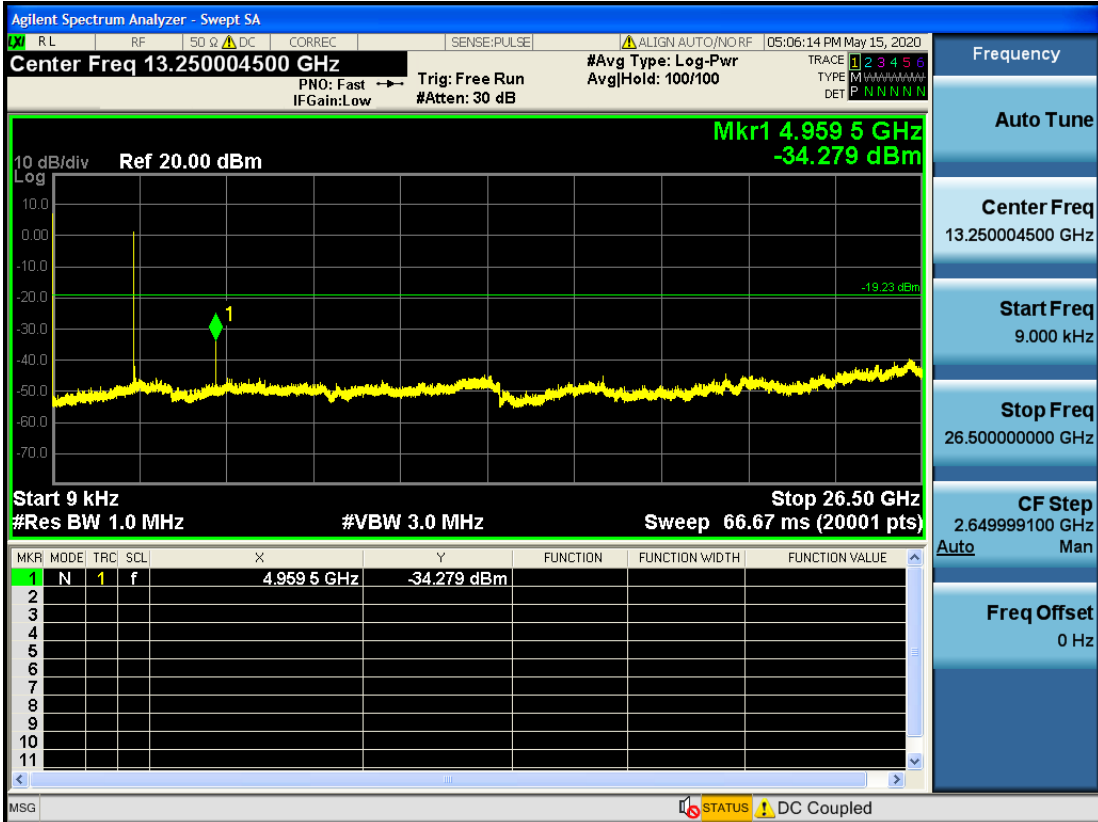


RF Conducted Spurious Emissions_BLE(1Mbps)_2480_Ant1

Pref



Puw



A.7. Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BLE(1Mbps)	2440	Ant1	67.48	PASS

