

Appendix A
RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Bluetooth Keyboard

Trade Mark: N/A

Test Model: Bluetooth Keyboard with Tablet / Phone Holder and Touchpad

FCC ID: 2A32S-7615B

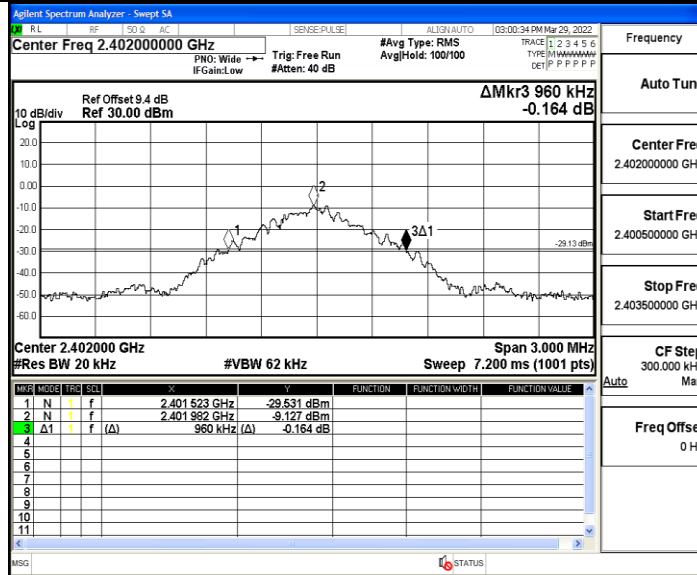
Appendix A: 20dB Emission Bandwidth

Test Result

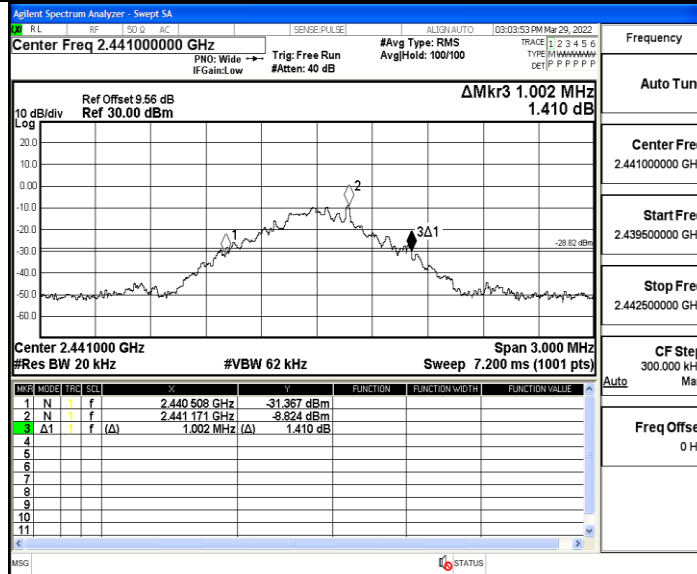
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.523	2402.483	---	---
		2441	1.002	2440.508	2441.510	---	---
		2480	0.915	2479.490	2480.405	---	---

Test Graphs

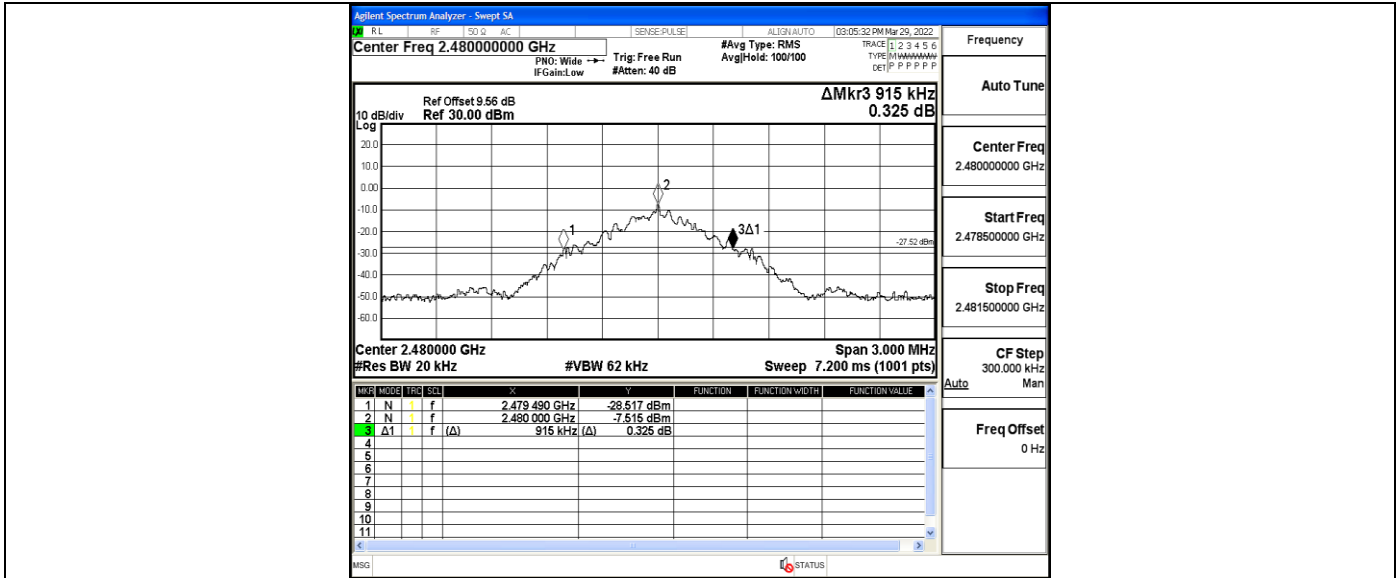
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



Appendix B: Occupied Channel Bandwidth**Test Result**

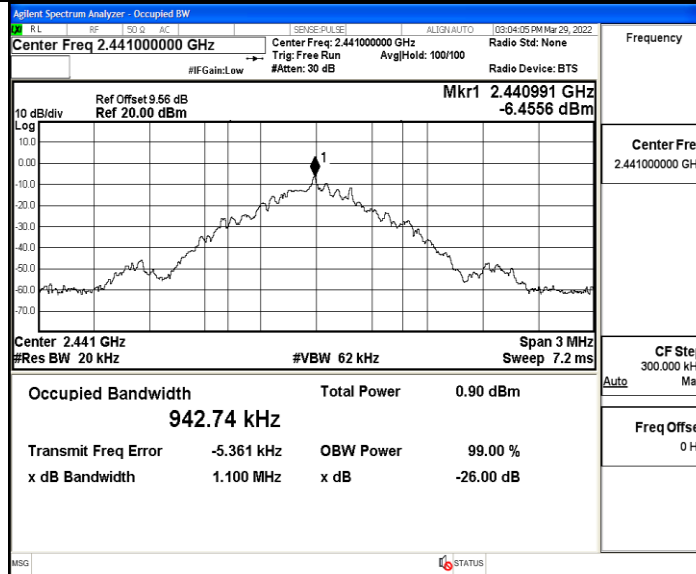
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.91577	2401.537	2402.453	---	---
		2441	0.94274	2440.523	2441.466	---	---
		2480	0.93861	2479.524	2480.463	---	---

Test Graphs

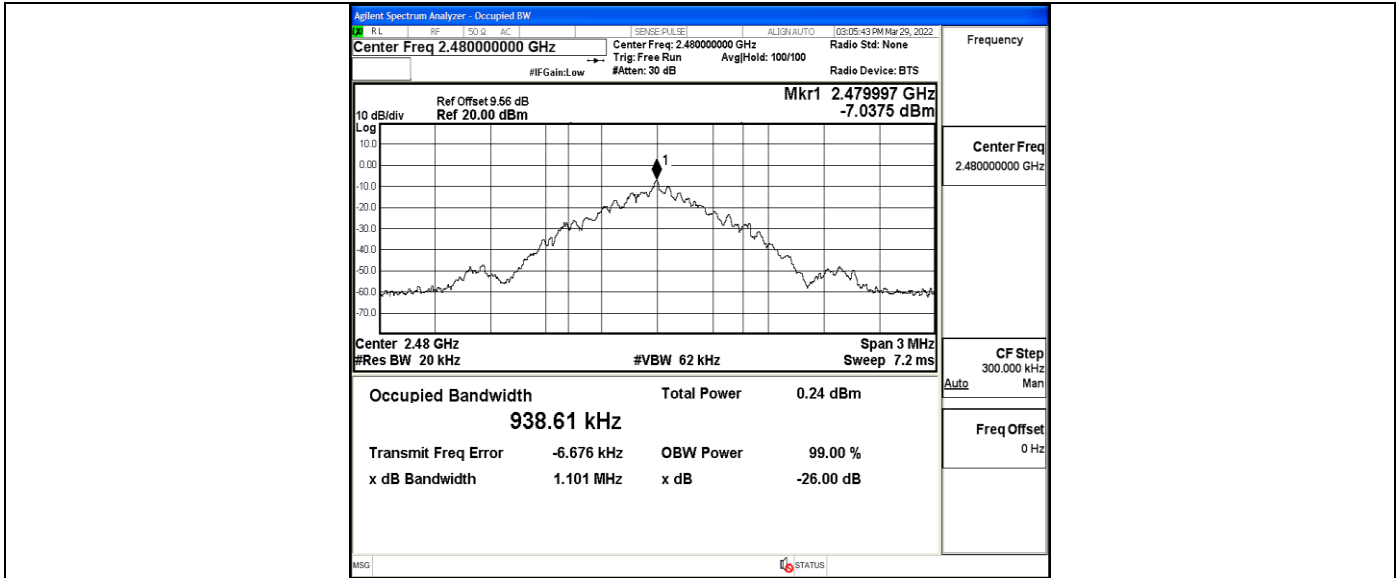
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

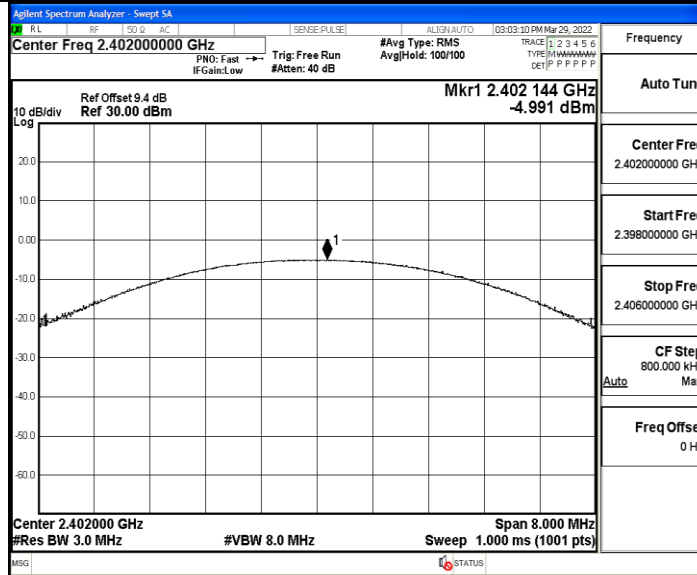


Appendix C: Maximum conducted output power**Test Result**

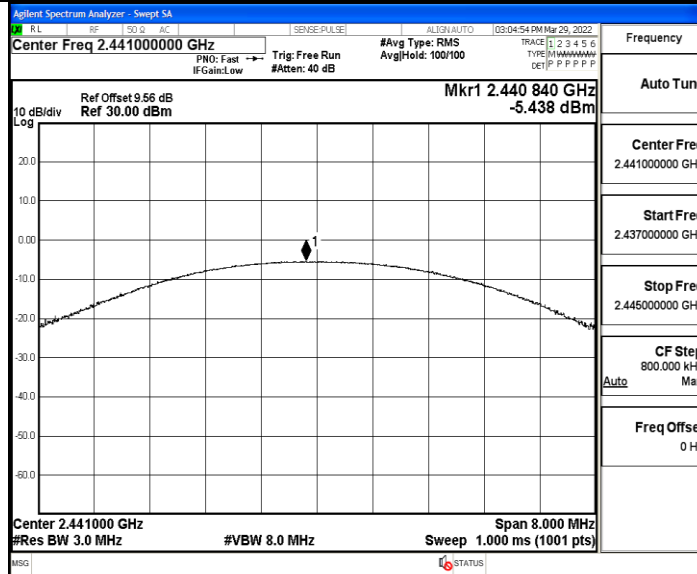
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-4.99	≤20.97	PASS
		2441	-5.44	≤20.97	PASS
		2480	-5.9	≤20.97	PASS

Test Graphs

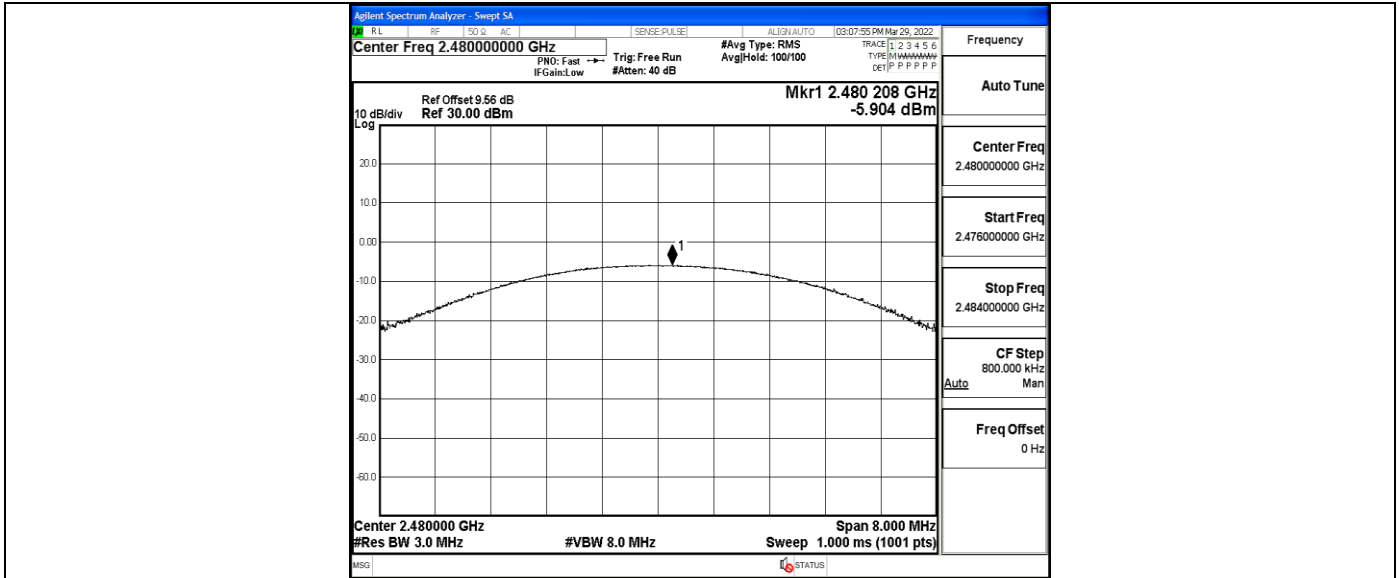
DH5_Ant1_2402



DH5_Ant1_2441



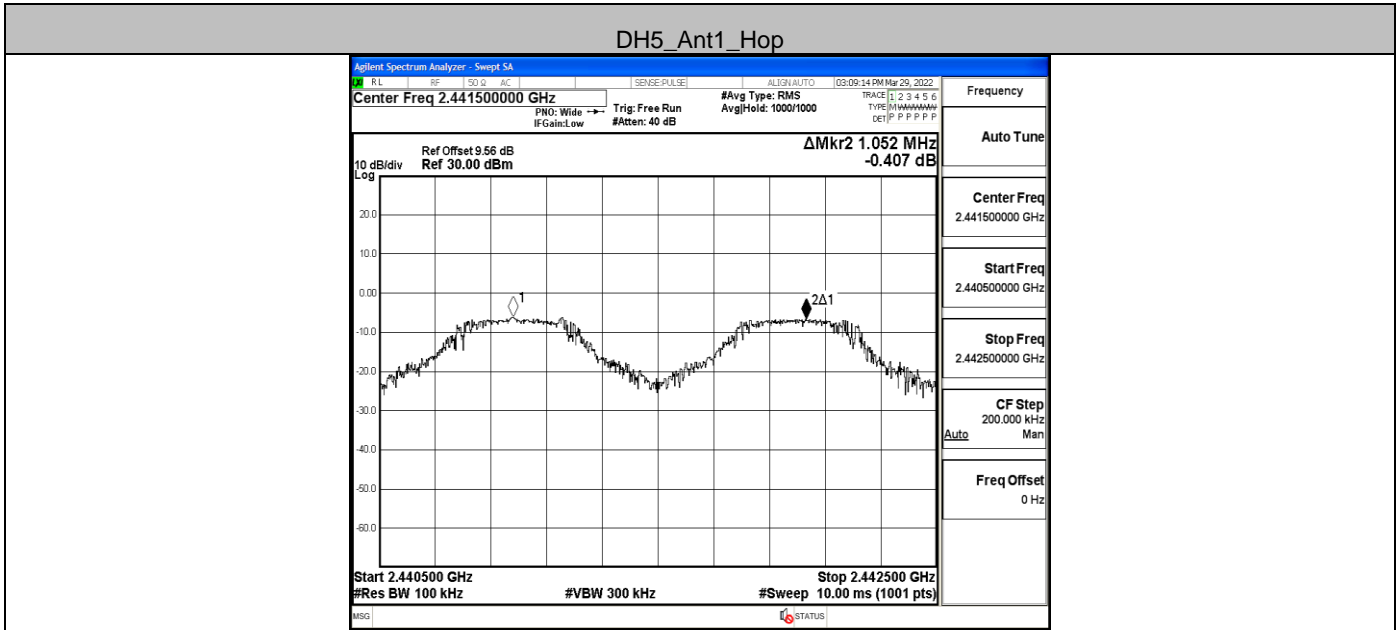
DH5_Ant1_2480



Appendix D: Carrier frequency separation**Test Result**

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.052	≥1.002	PASS

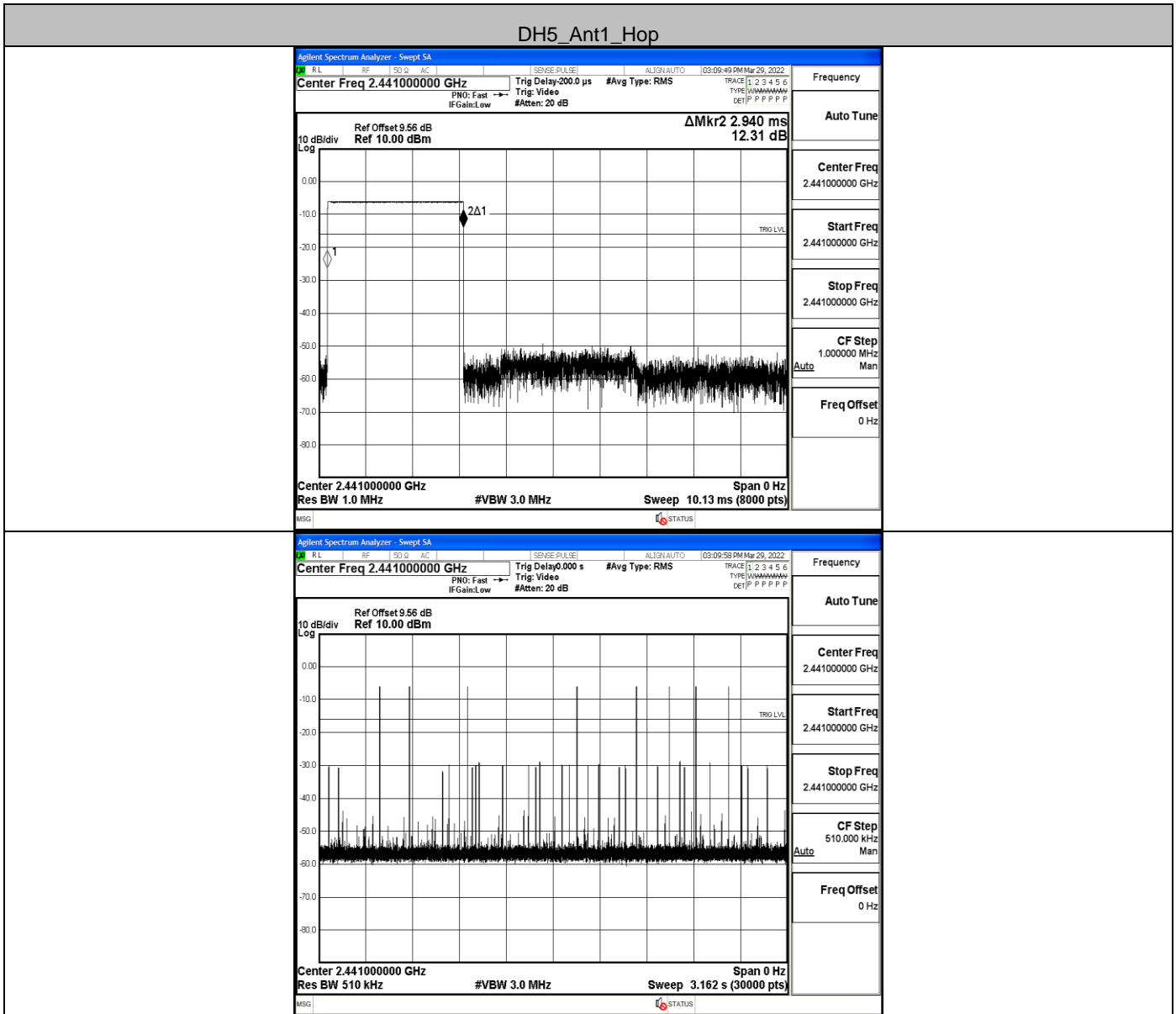
Test Graphs



Appendix E: Time of occupancy**Test Result**

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.94	90	0.265	≤0.4	PASS

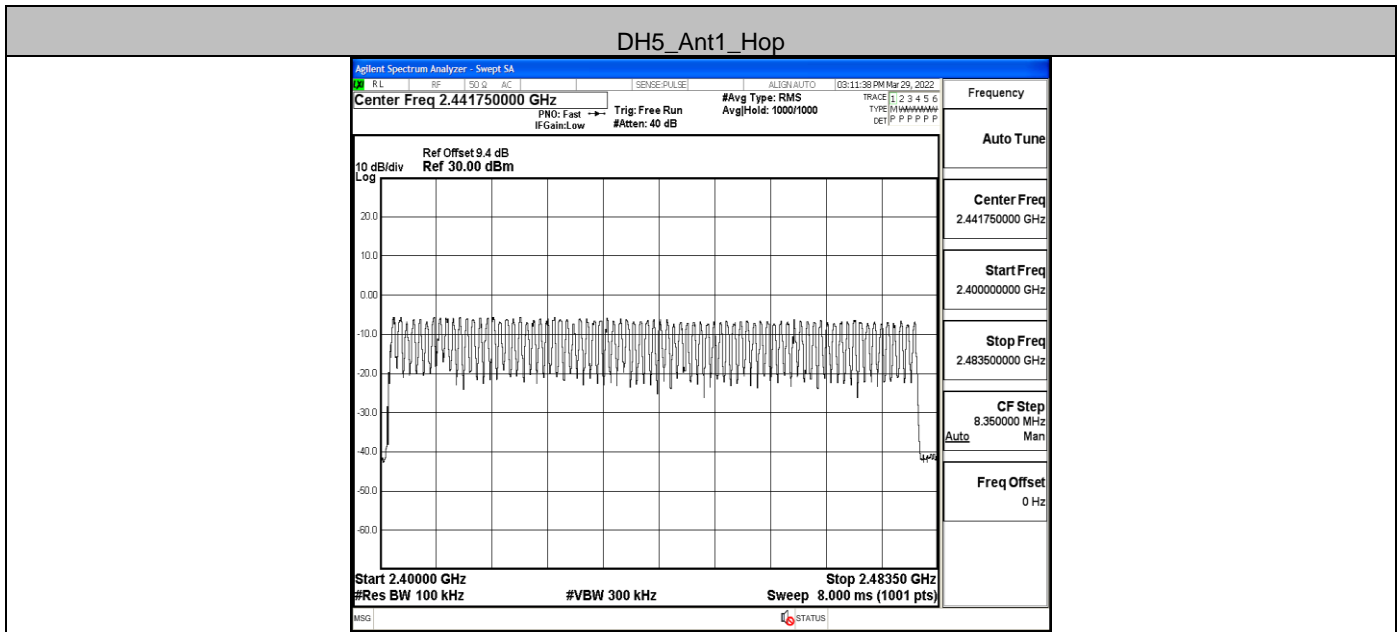
Test Graphs



Appendix F: Number of hopping channels**Test Result**

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

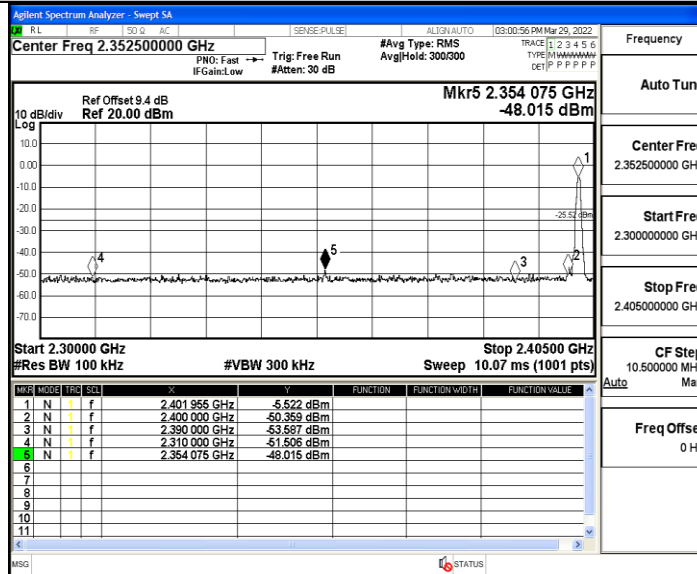


Appendix G: Band edge measurements**Test Result**

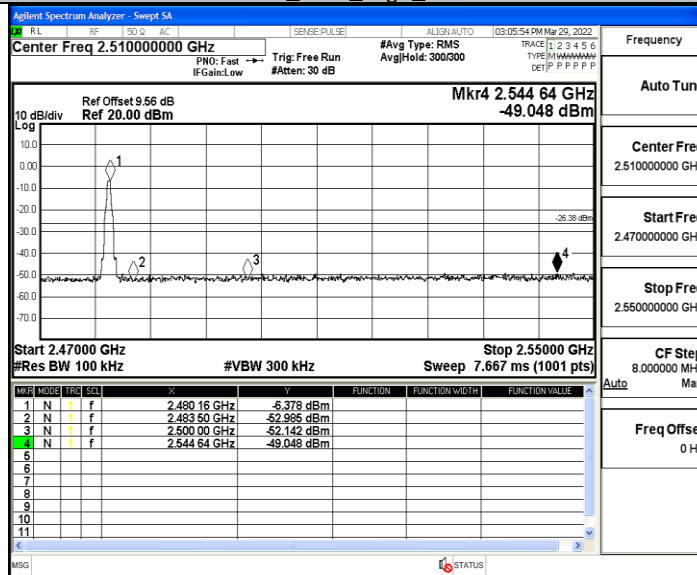
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.52	-48.02	≤-25.52	PASS
		High	2480	-6.38	-49.05	≤-26.38	PASS
		Low	Hop_2402	-5.74	-49.08	≤-25.74	PASS
		High	Hop_2480	-6.07	-48.74	≤-26.07	PASS

Test Graphs

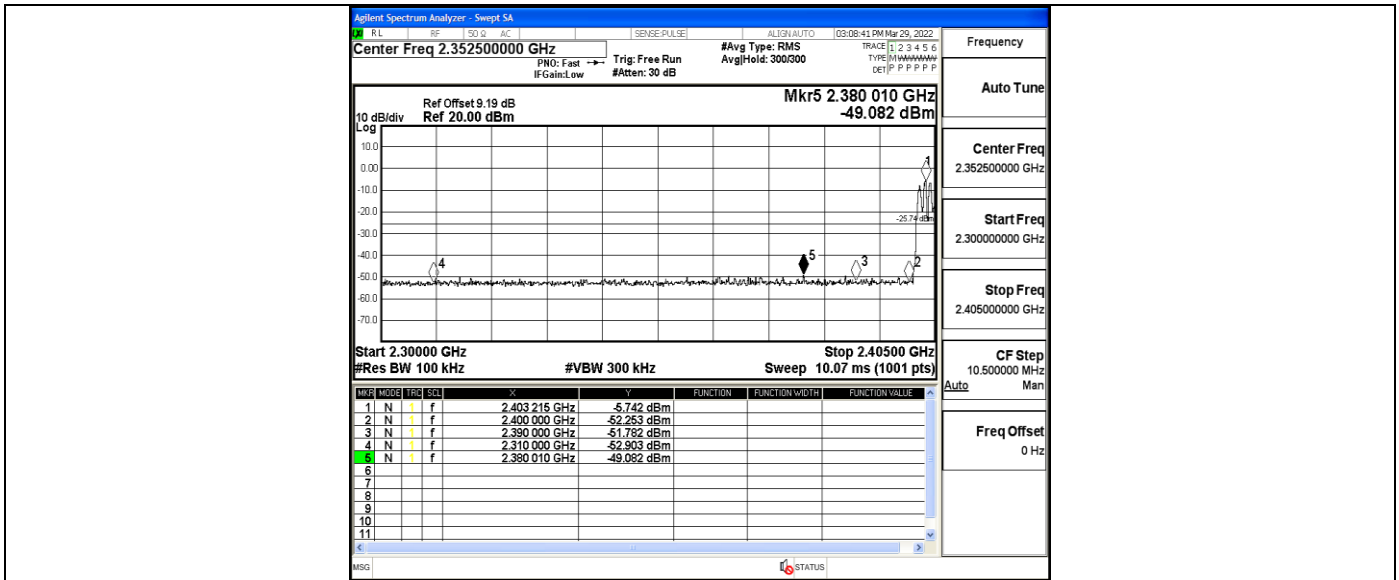
DH5_Ant1_Low_2402



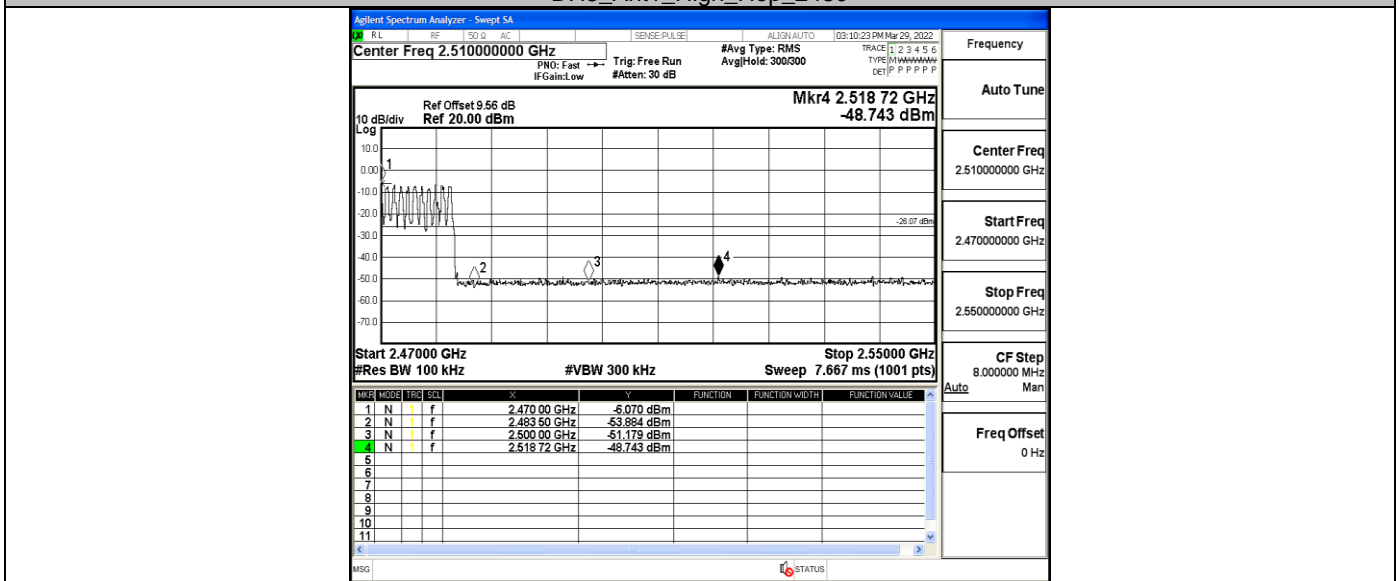
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



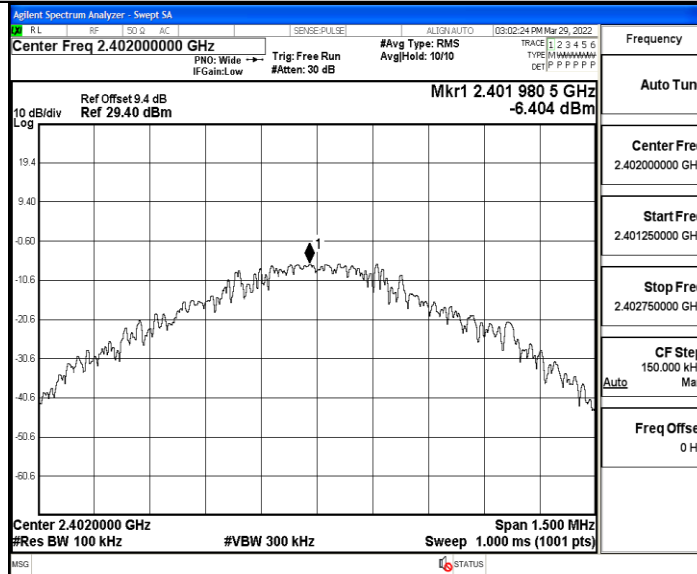
Appendix H: Conducted Spurious Emission

Test Result

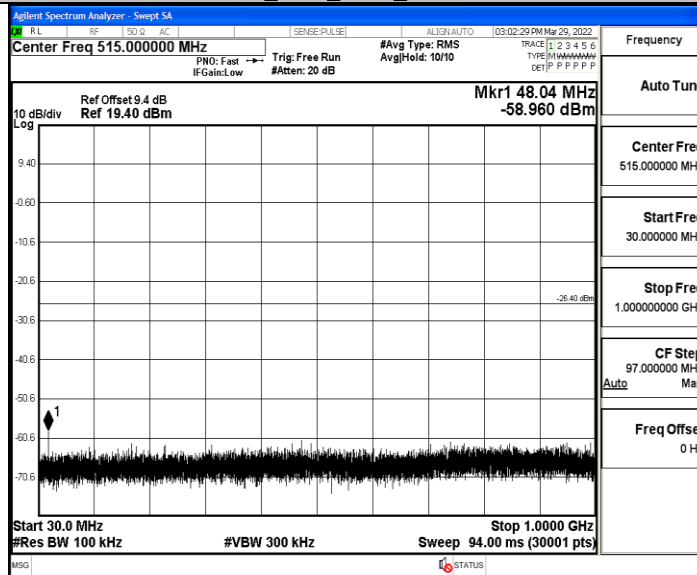
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-6.40	-6.40	---	PASS
			30~1000	-6.40	-58.96	≤-26.4	PASS
			1000~26500	-6.40	-51.52	≤-26.4	PASS
		2441	Reference	-6.79	-6.79	---	PASS
			30~1000	-6.79	-60.37	≤-26.79	PASS
			1000~26500	-6.79	-50.01	≤-26.79	PASS
		2480	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-58.97	≤-27.24	PASS
			1000~26500	-7.24	-51.67	≤-27.24	PASS

Test Graphs

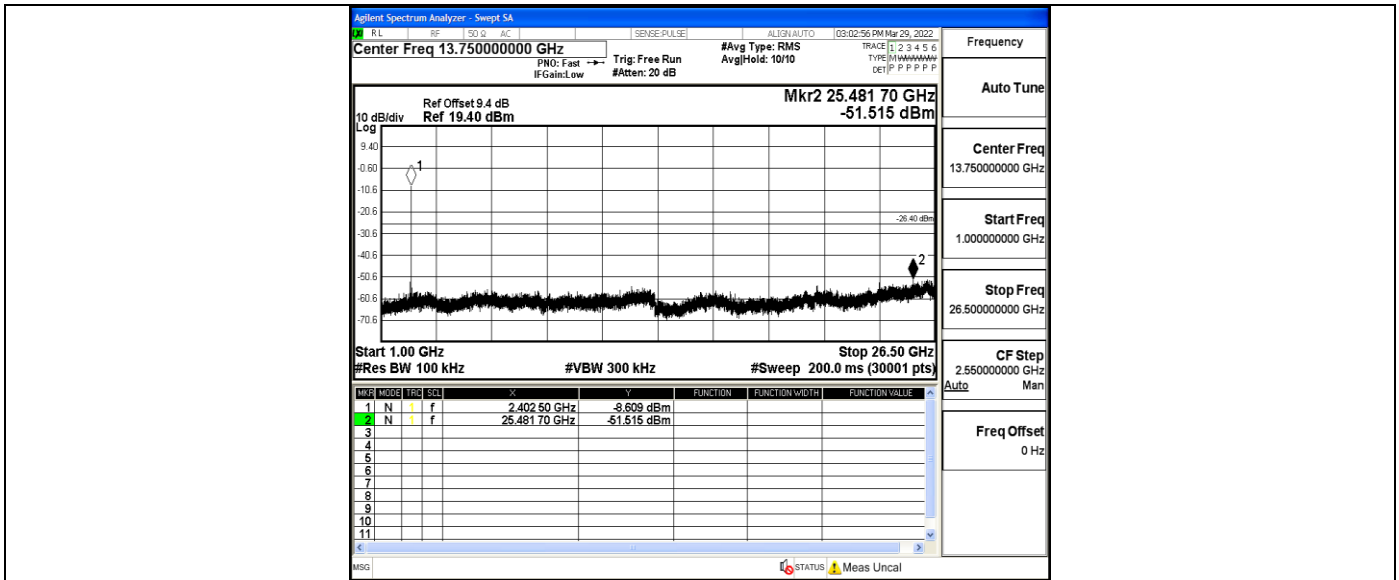
DH5_Ant1_2402_0~Reference



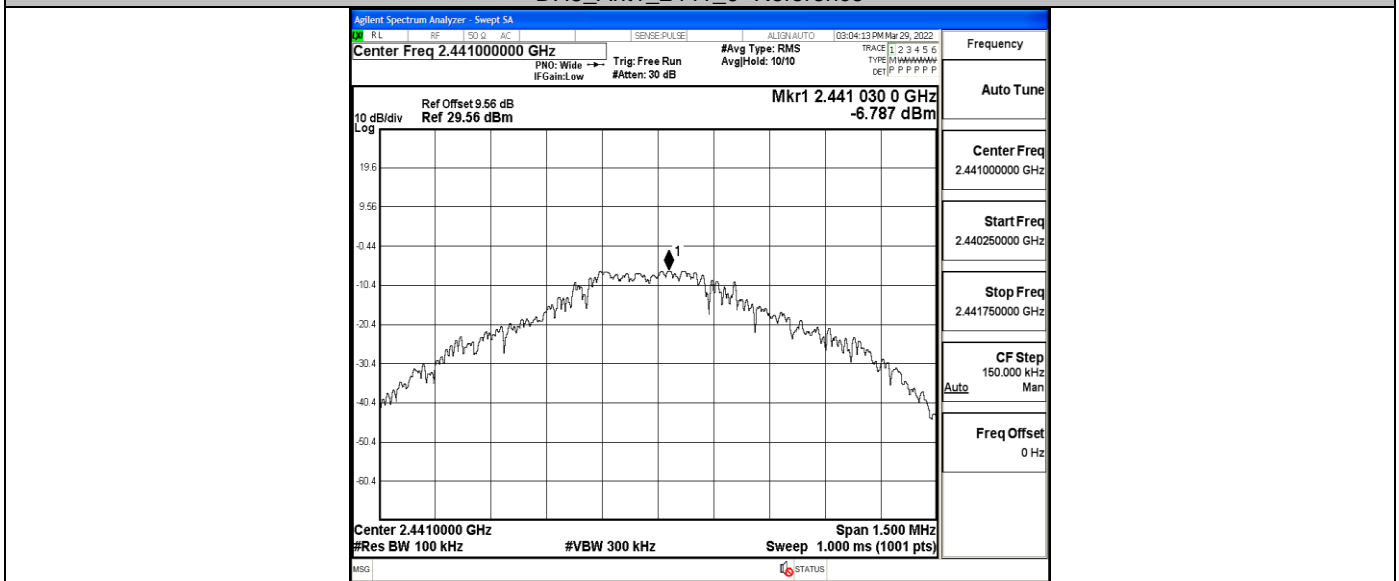
DH5_Ant1_2402_30~1000



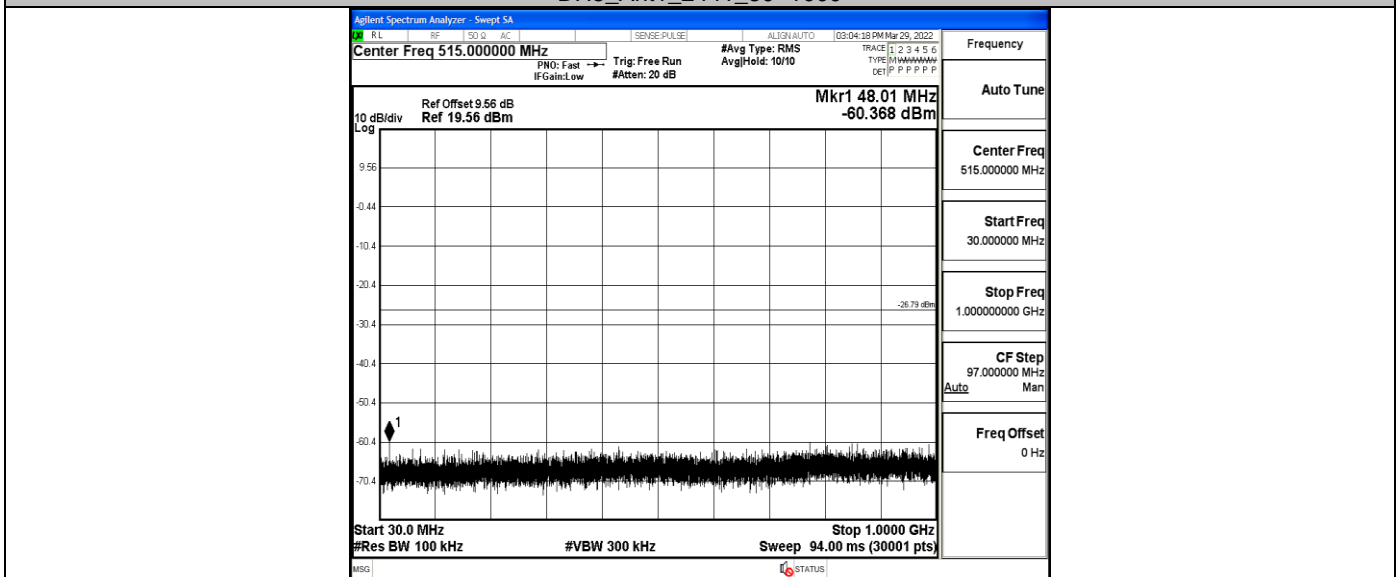
DH5_Ant1_2402_1000~26500



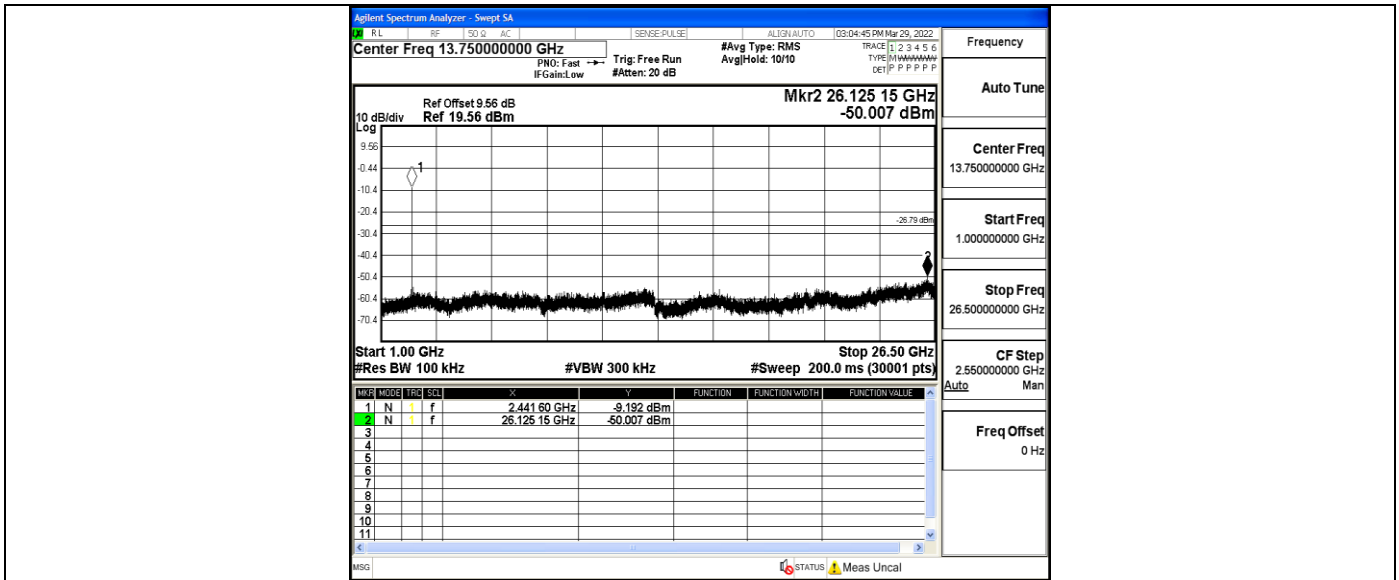
DH5_Ant1_2441_0-Reference



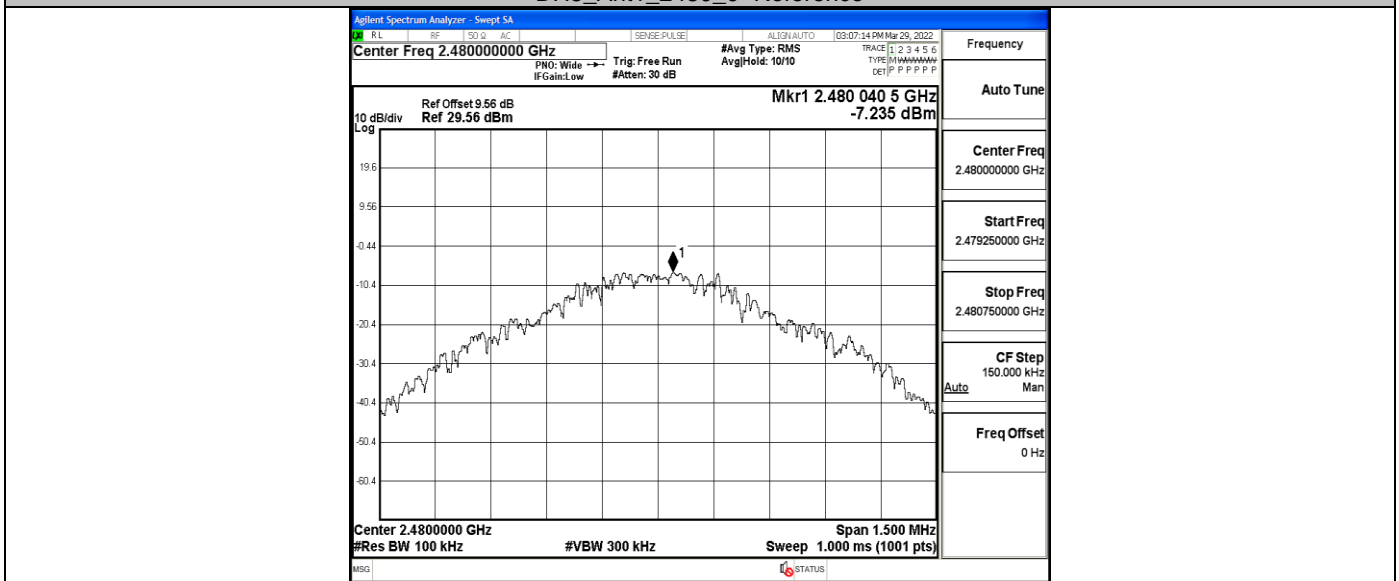
DH5_Ant1_2441_30~1000



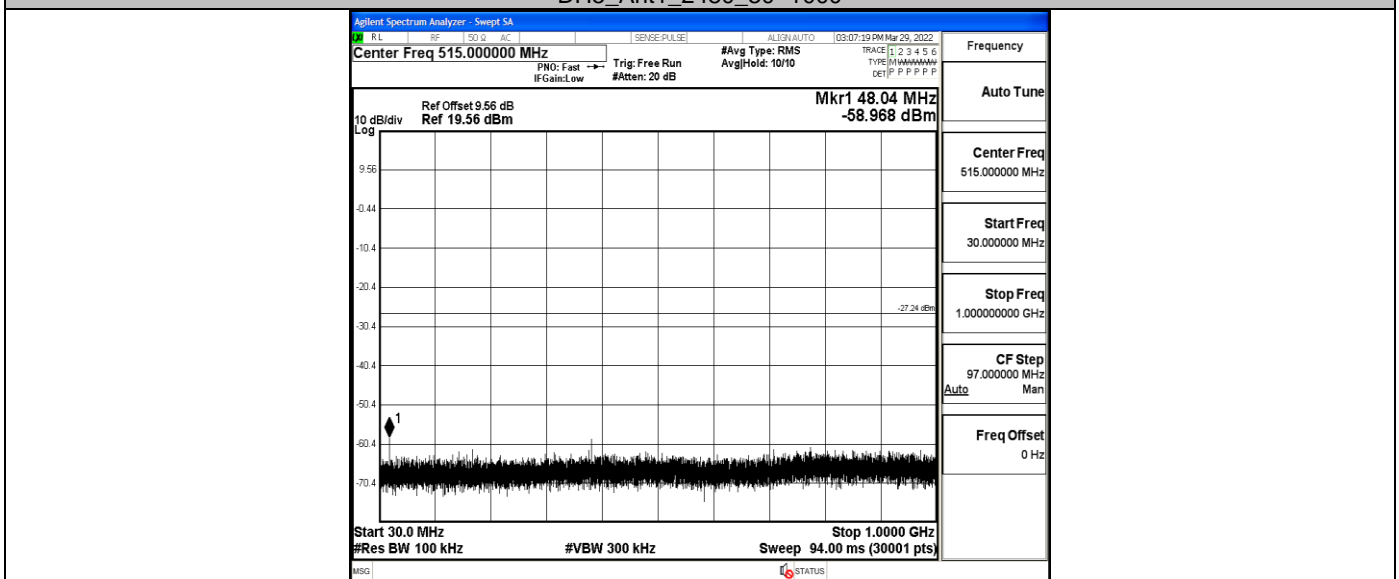
DH5_Ant1_2441_1000~26500



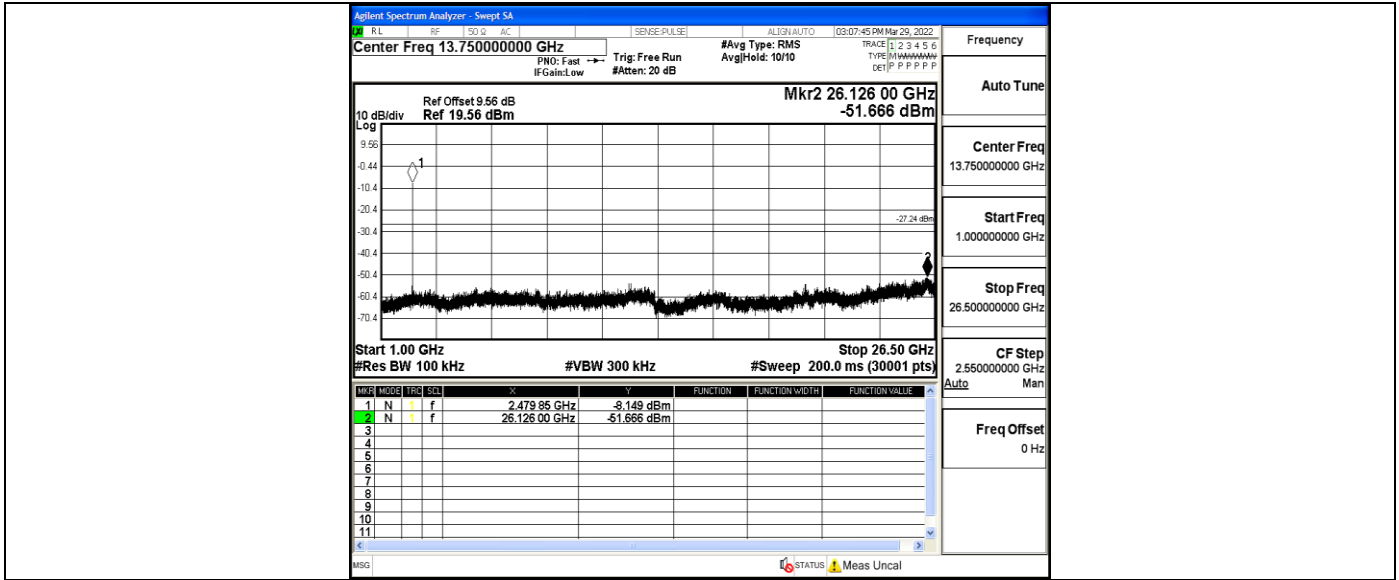
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

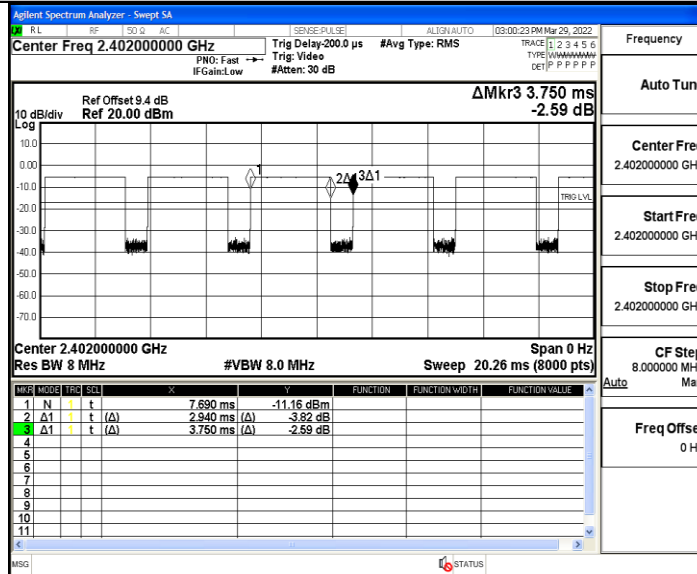


Appendix I: Duty Cycle**Test Result**

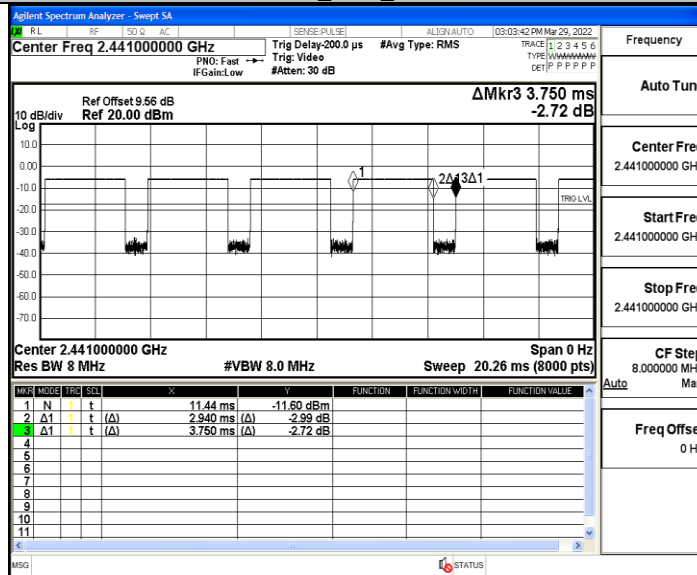
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
DH5	Ant1	2402	2.94	3.75	78.40	0.34
		2441	2.94	3.75	78.40	0.34
		2480	2.94	3.75	78.40	0.34

Test Graphs

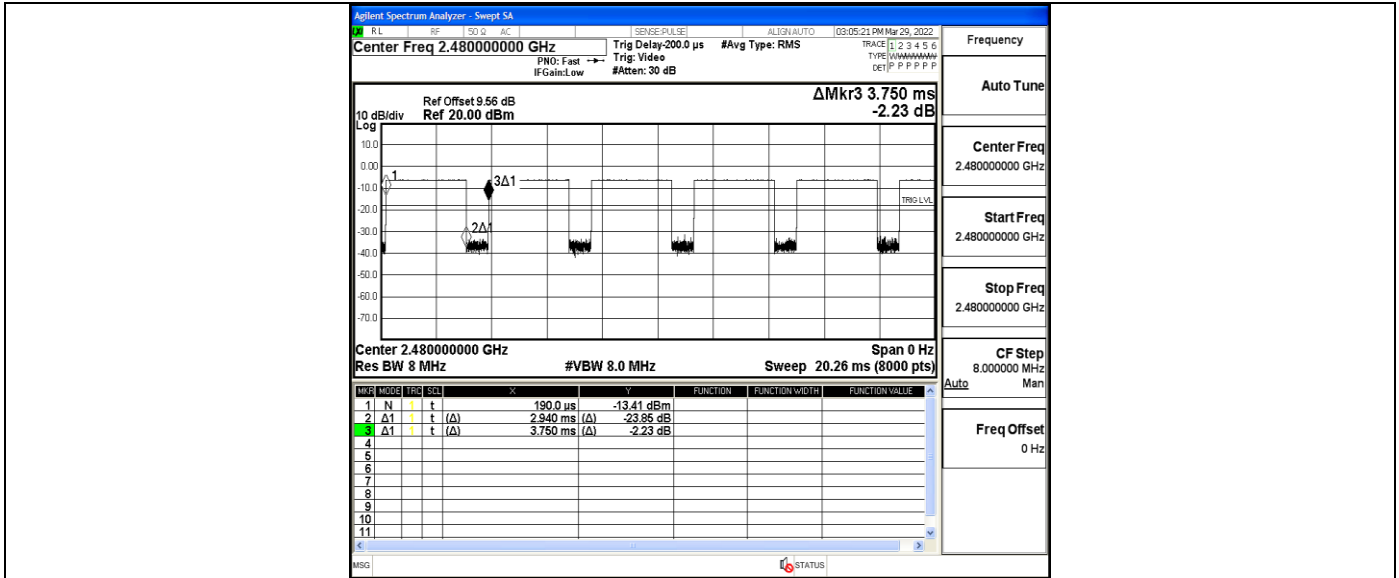
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

Test Result

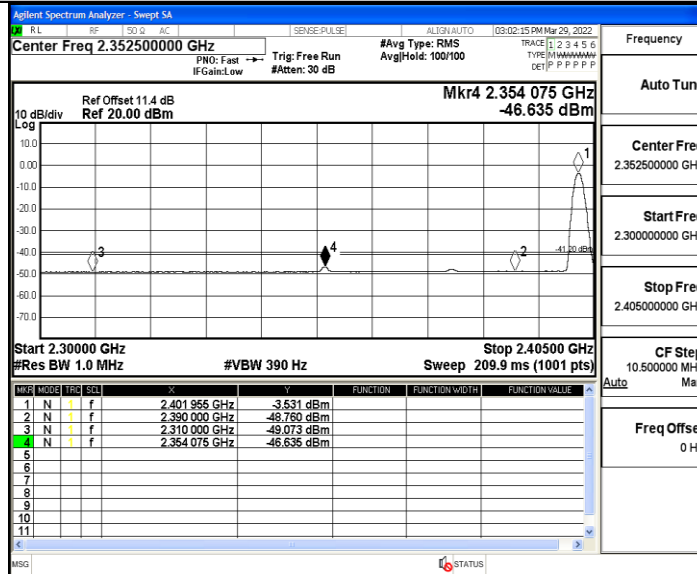
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.07	≤-41.20	PASS
				AV	2354.075	-46.64	≤-41.20	PASS
				AV	2390.000	-48.76	≤-41.20	PASS
				Peak	2310.000	-42.16	≤-21.20	PASS
				Peak	2325.830	-38.71	≤-21.20	PASS
				Peak	2390.000	-41.9	≤-21.20	PASS
		High	2480	AV	2483.500	-48.19	≤-41.20	PASS
				AV	2498.080	-47.95	≤-41.20	PASS
				AV	2500.000	-48.08	≤-41.20	PASS
				Peak	2483.500	-40.8	≤-21.20	PASS
				Peak	2498.080	-38.6	≤-21.20	PASS
				Peak	2500.000	-40.63	≤-21.20	PASS

Note :

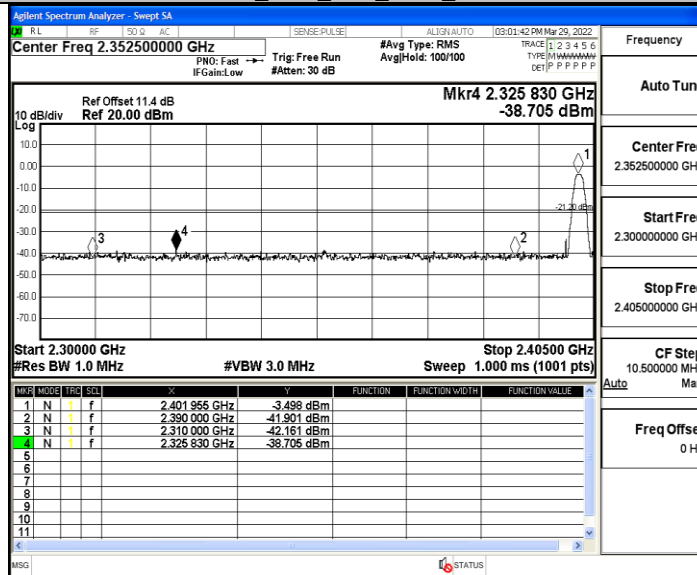
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

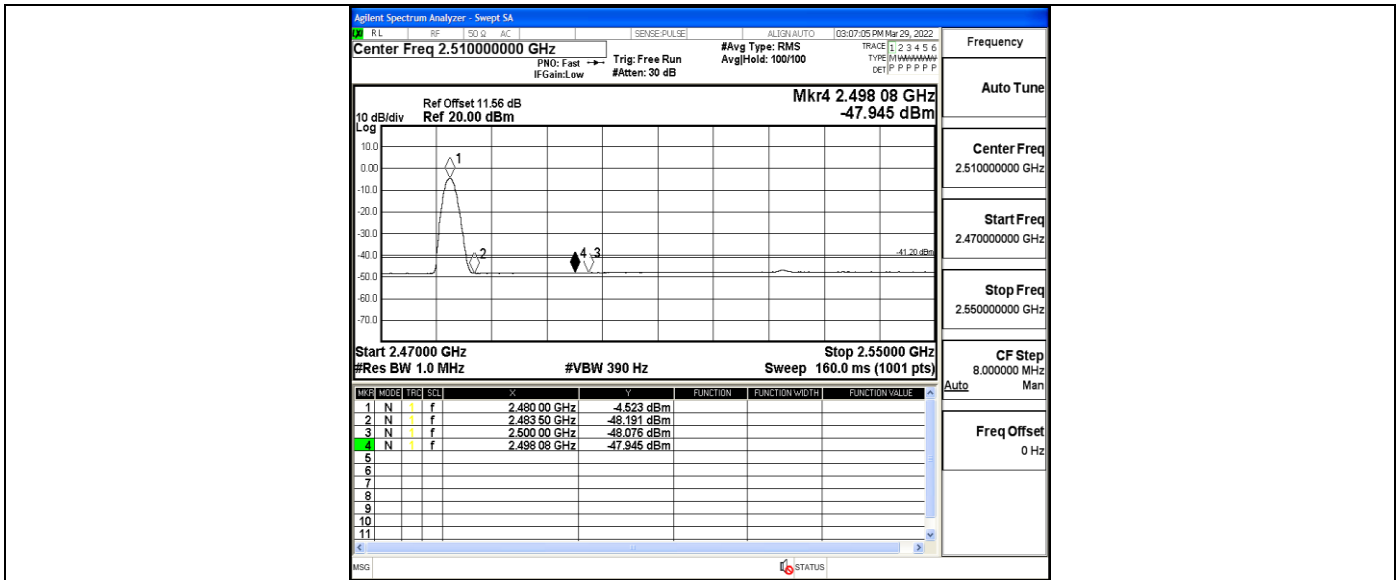
DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

