

Appendix A

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

Product Name: Wireless Keyboard

Trade Mark: N/A

Test Model: ISJ-DJC02

FCC ID: 2A5DLDJC00002

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

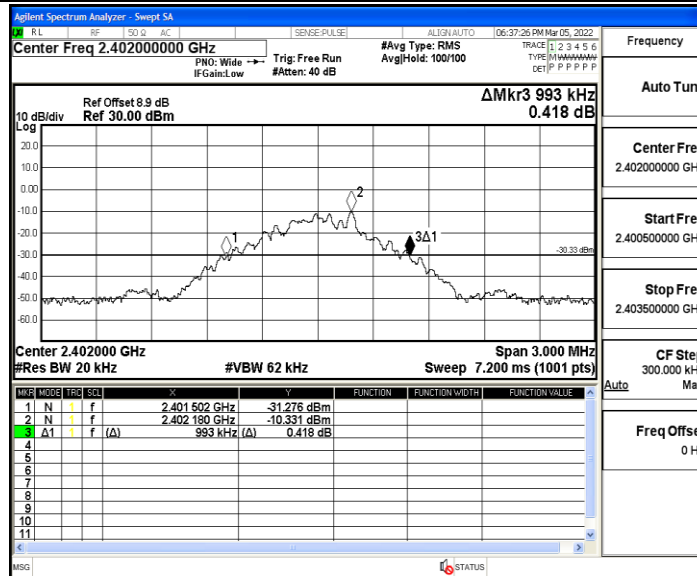
Appendix A: 20dB Emission Bandwidth

Test Result

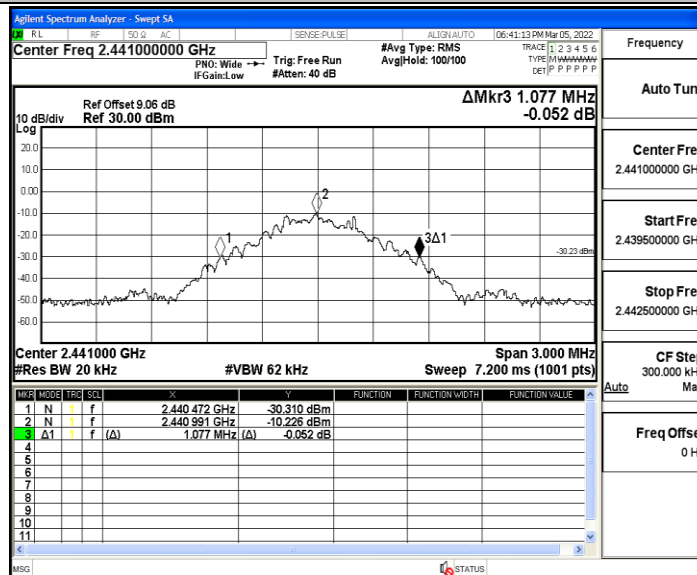
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.993	2401.502	2402.495	---	---
		2441	1.077	2440.472	2441.549	---	---
		2480	1.050	2479.475	2480.525	---	---

Test Graphs

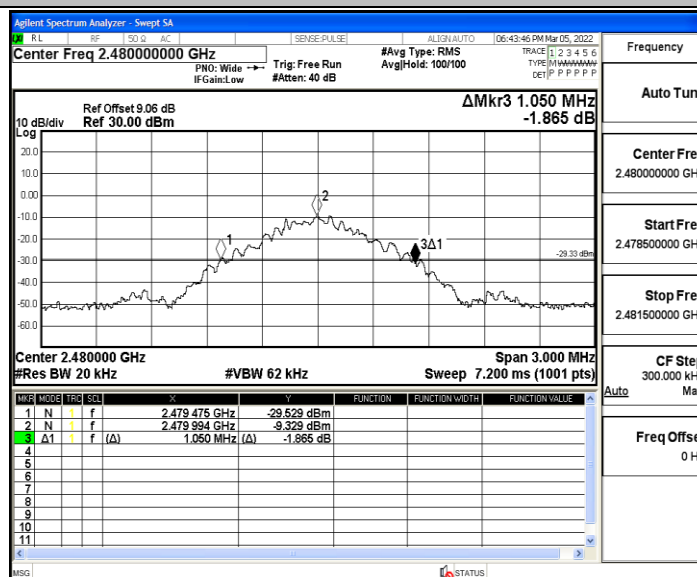
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

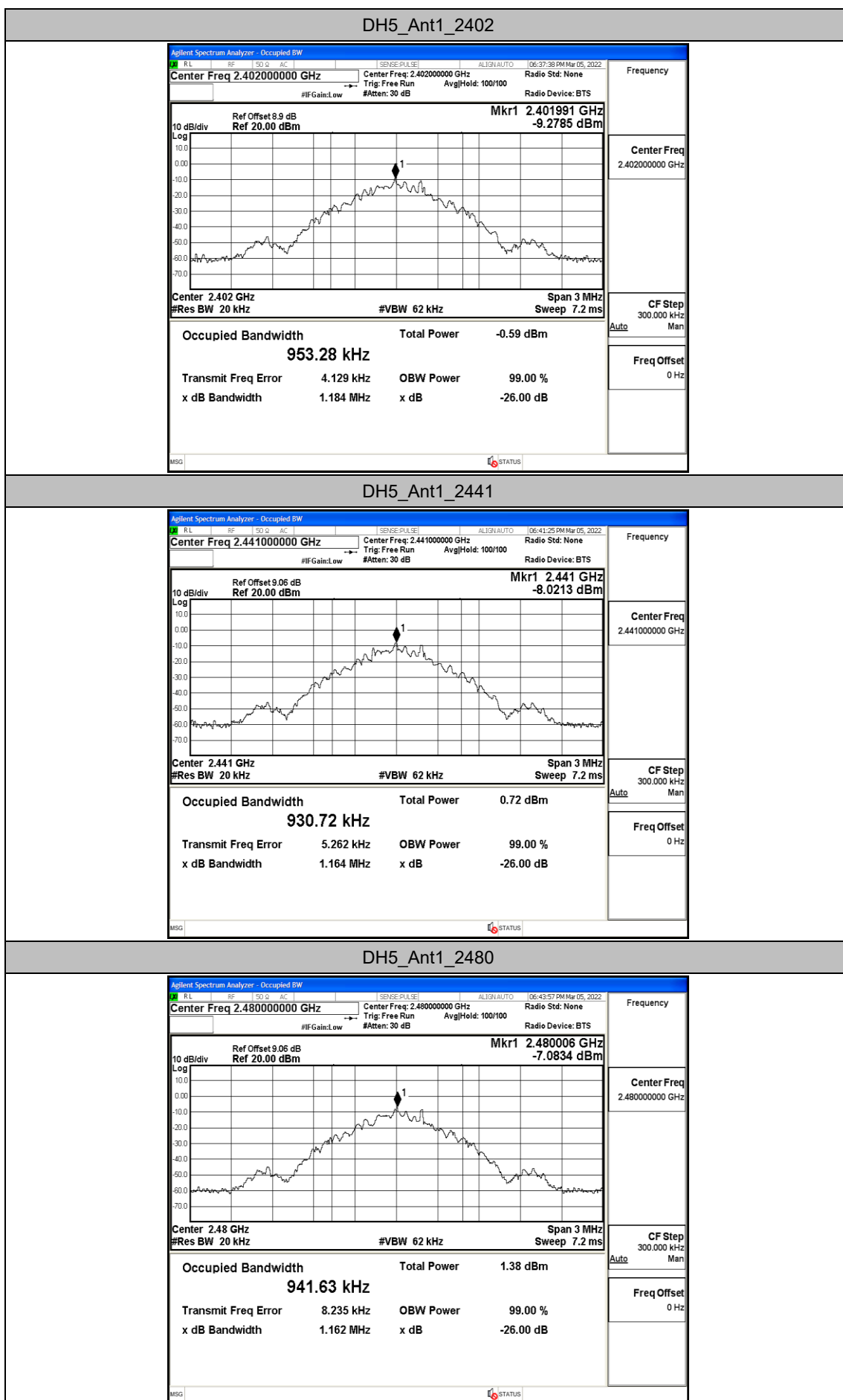


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95328	2401.527	2402.481	---	---
		2441	0.93072	2440.540	2441.471	---	---
		2480	0.94163	2479.537	2480.479	---	---

Test Graphs

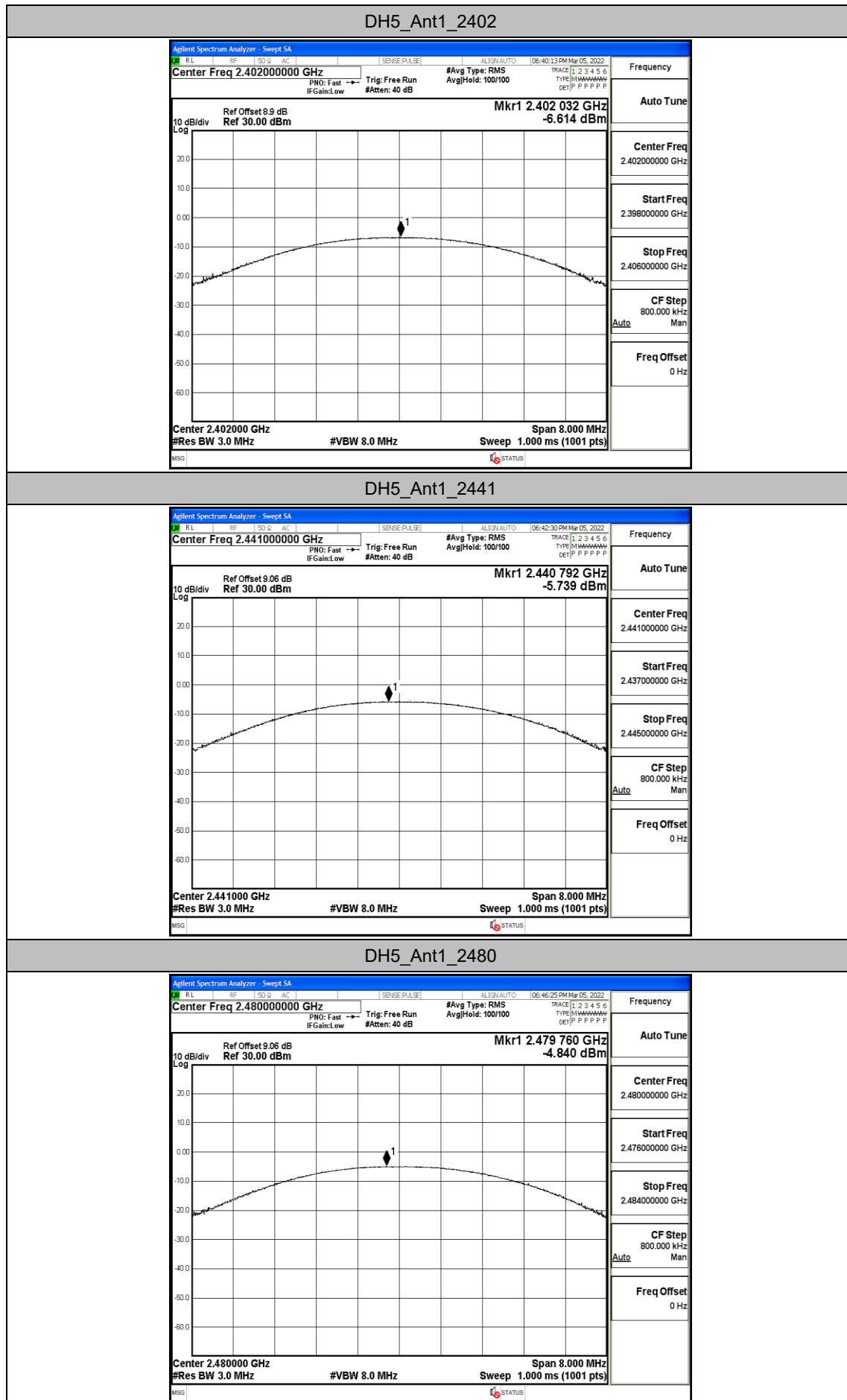


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-6.61	≤20.97	PASS
		2441	-5.74	≤20.97	PASS
		2480	-4.84	≤20.97	PASS

Test Graphs

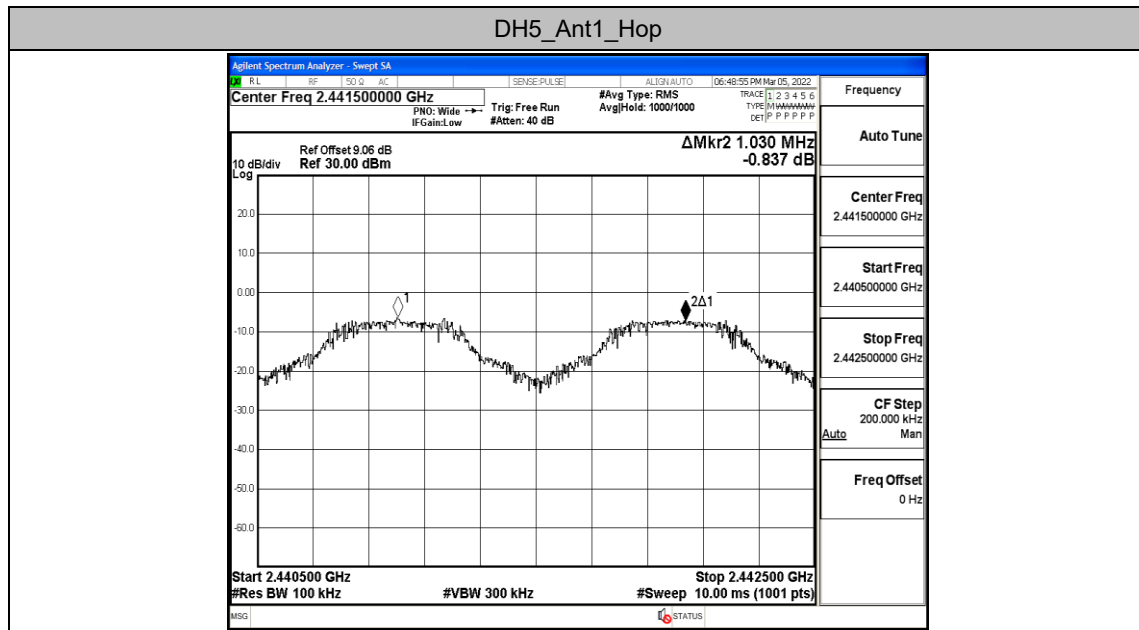


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.03	≥ 0.718	PASS

Test Graphs

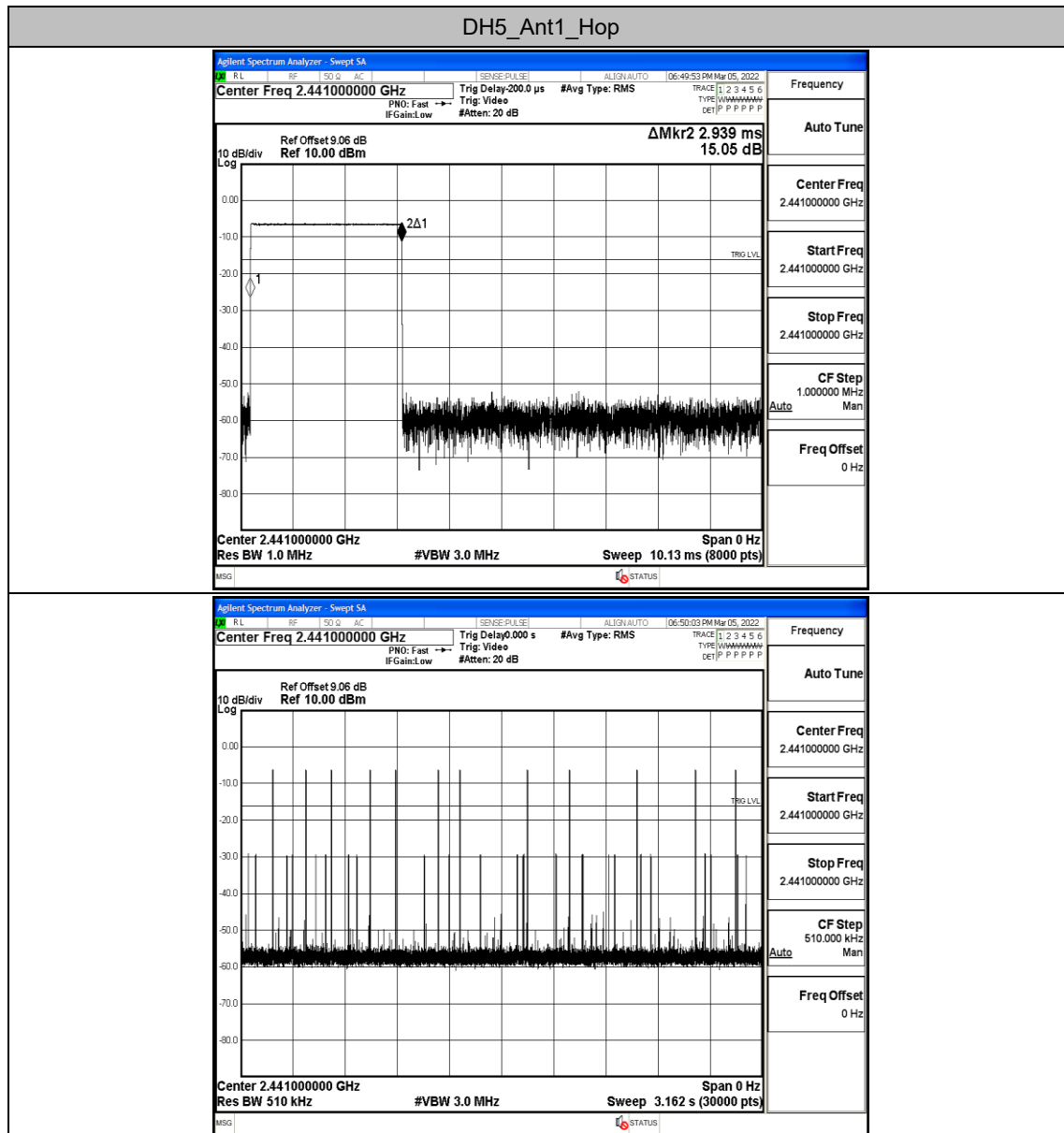


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.94	130	0.382	≤0.4	PASS

Test Graphs

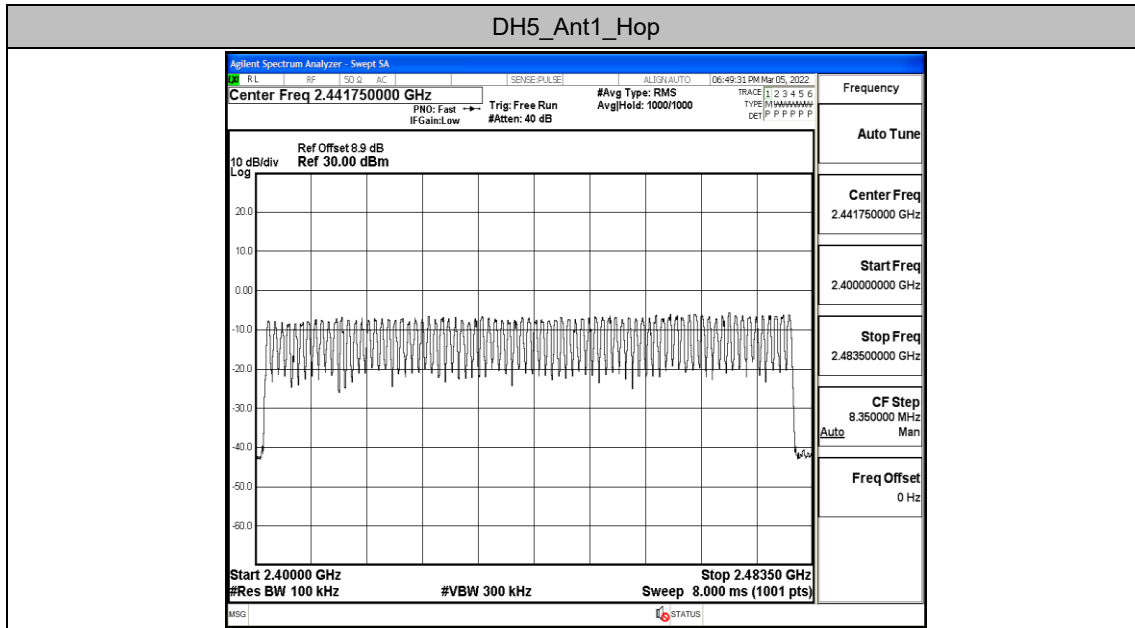


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



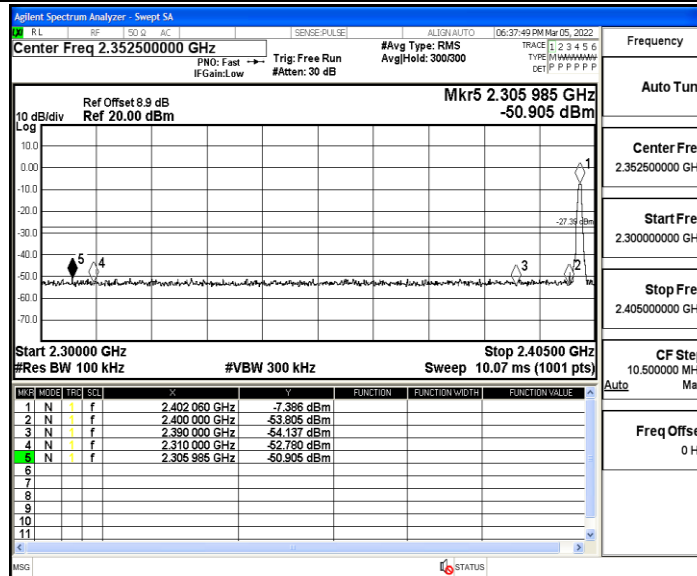
Appendix G: Band edge measurements

Test Result

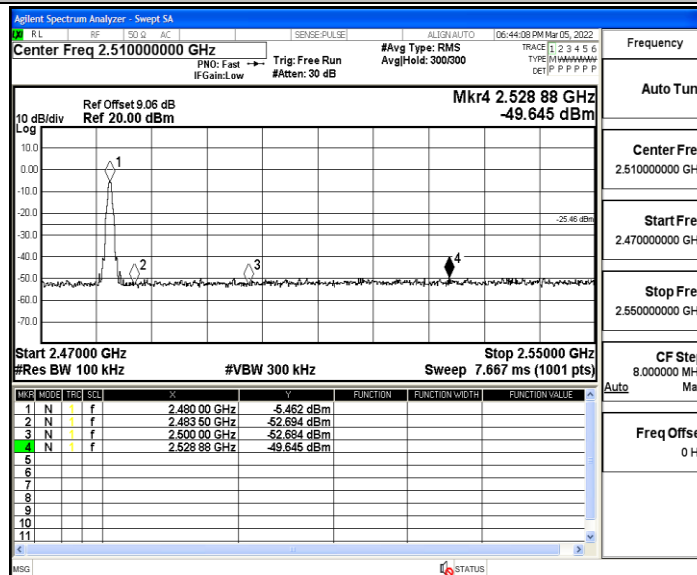
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-7.39	-50.91	≤-27.39	PASS
		High	2480	-5.46	-49.65	≤-25.46	PASS
		Low	Hop_2402	-8.66	-50.83	≤-28.66	PASS
		High	Hop_2480	-5.80	-49.48	≤-25.8	PASS

Test Graphs

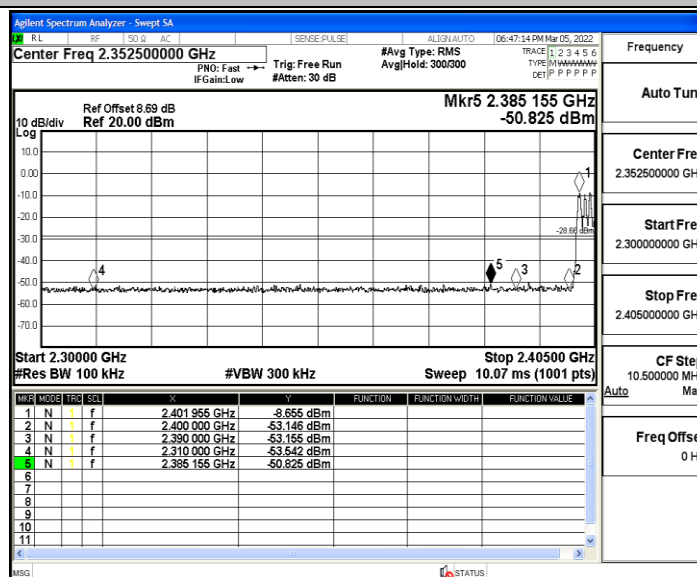
DH5_Ant1_Low_2402



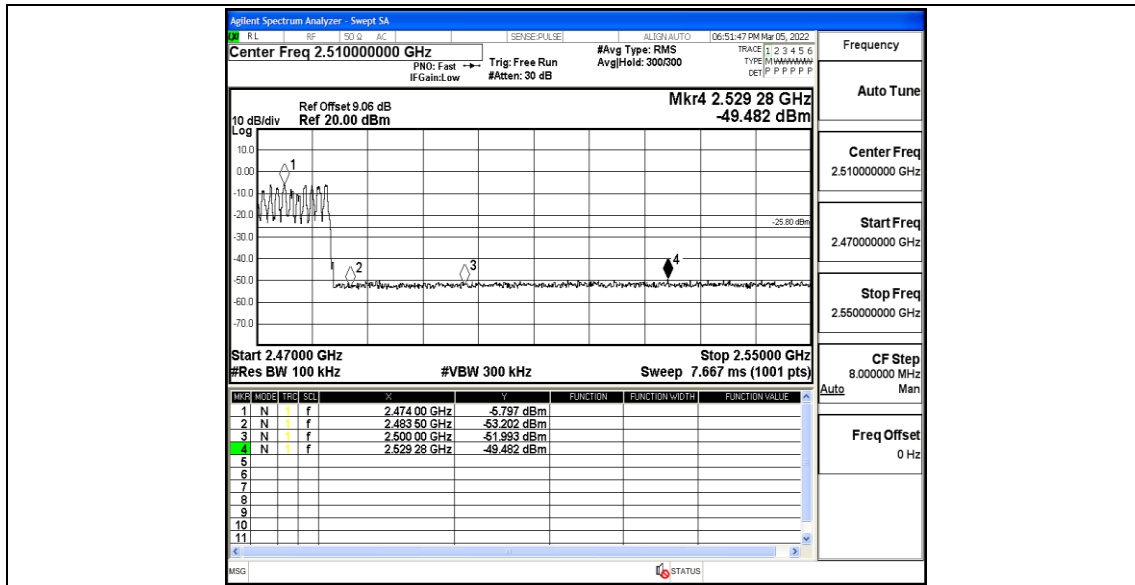
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

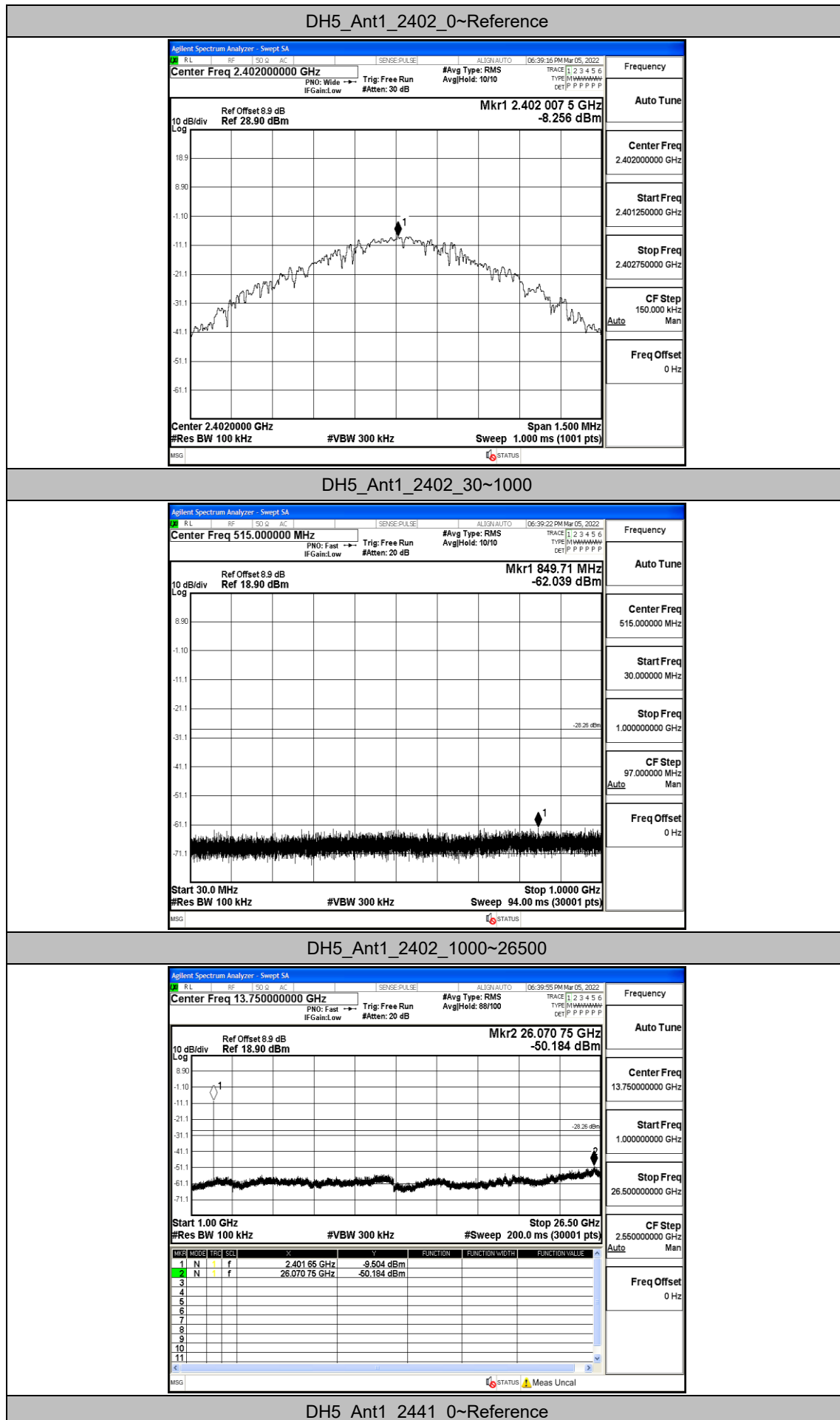


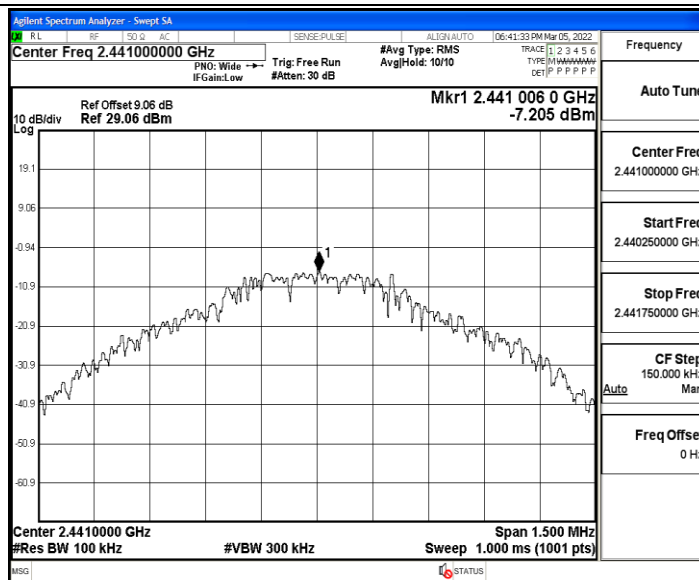
Appendix H: Conducted Spurious Emission

Test Result

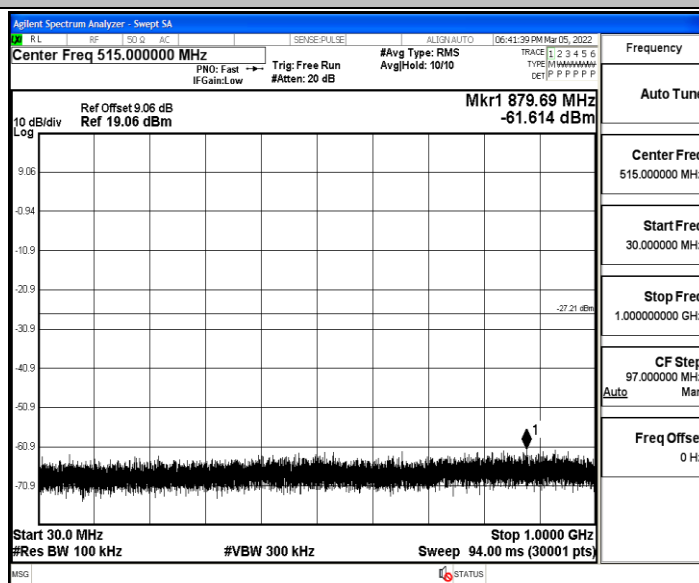
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-8.26	-8.26	---	PASS
			30~1000	-8.26	-62.04	≤ -28.26	PASS
			1000~26500	-8.26	-50.18	≤ -28.26	PASS
		2441	Reference	-7.21	-7.21	---	PASS
			30~1000	-7.21	-61.61	≤ -27.21	PASS
			1000~26500	-7.21	-50.31	≤ -27.21	PASS
		2480	Reference	-5.52	-5.52	---	PASS
			30~1000	-5.52	-61.25	≤ -25.52	PASS
			1000~26500	-5.52	-49.28	≤ -25.52	PASS

Test Graphs

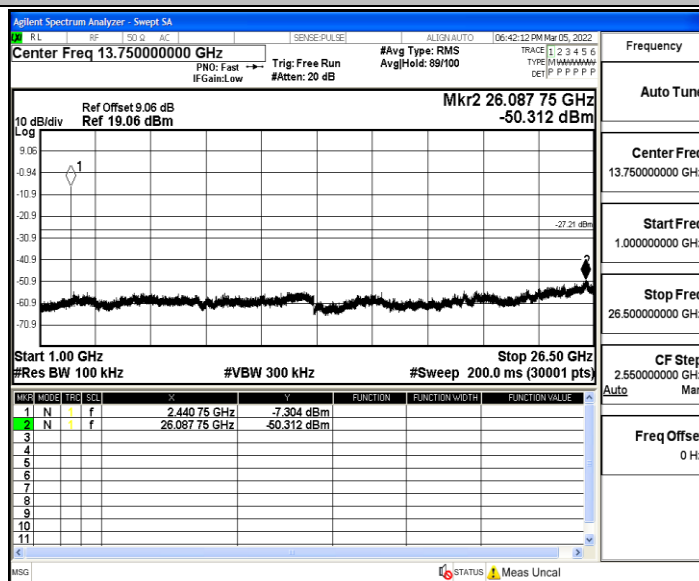




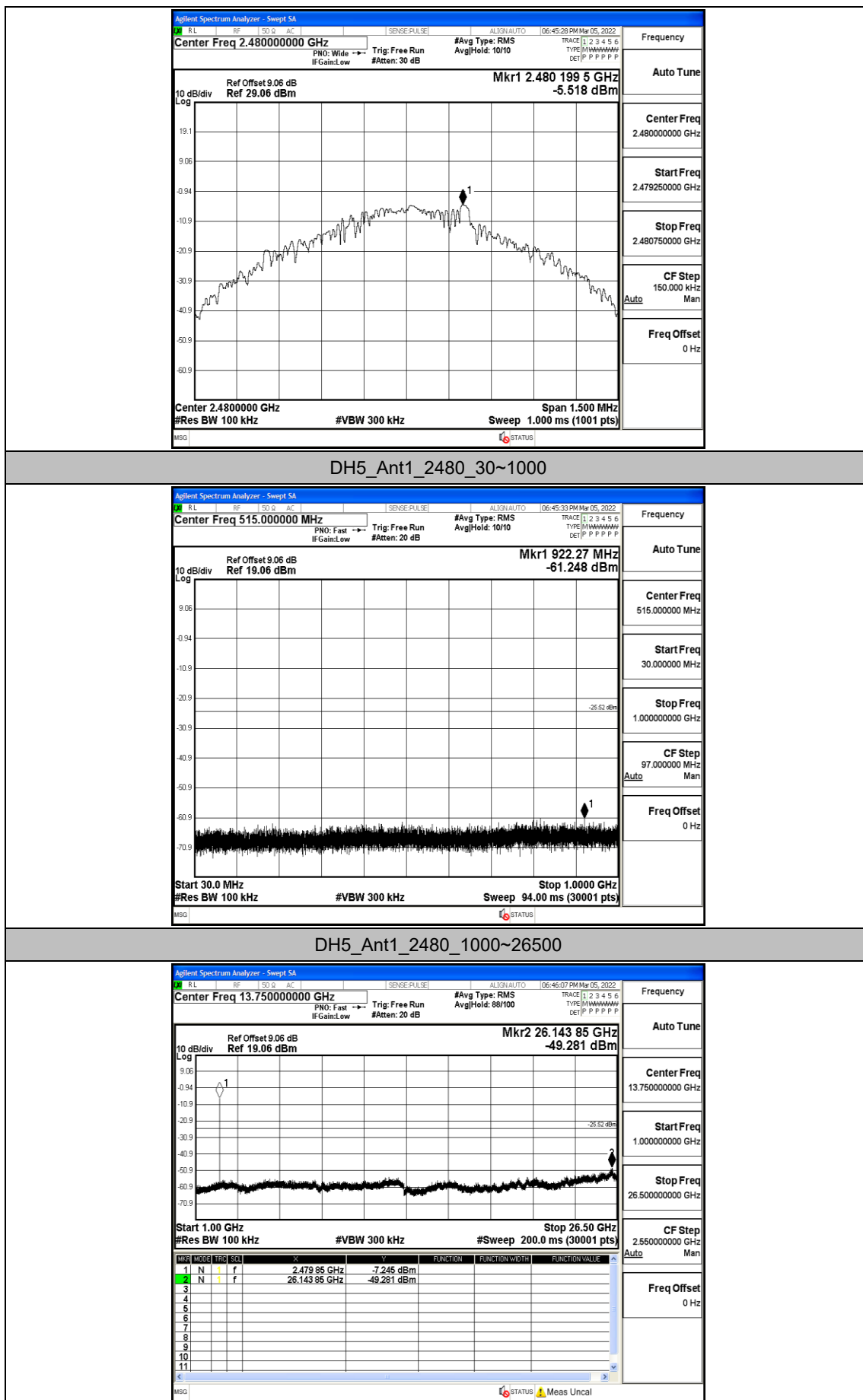
DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

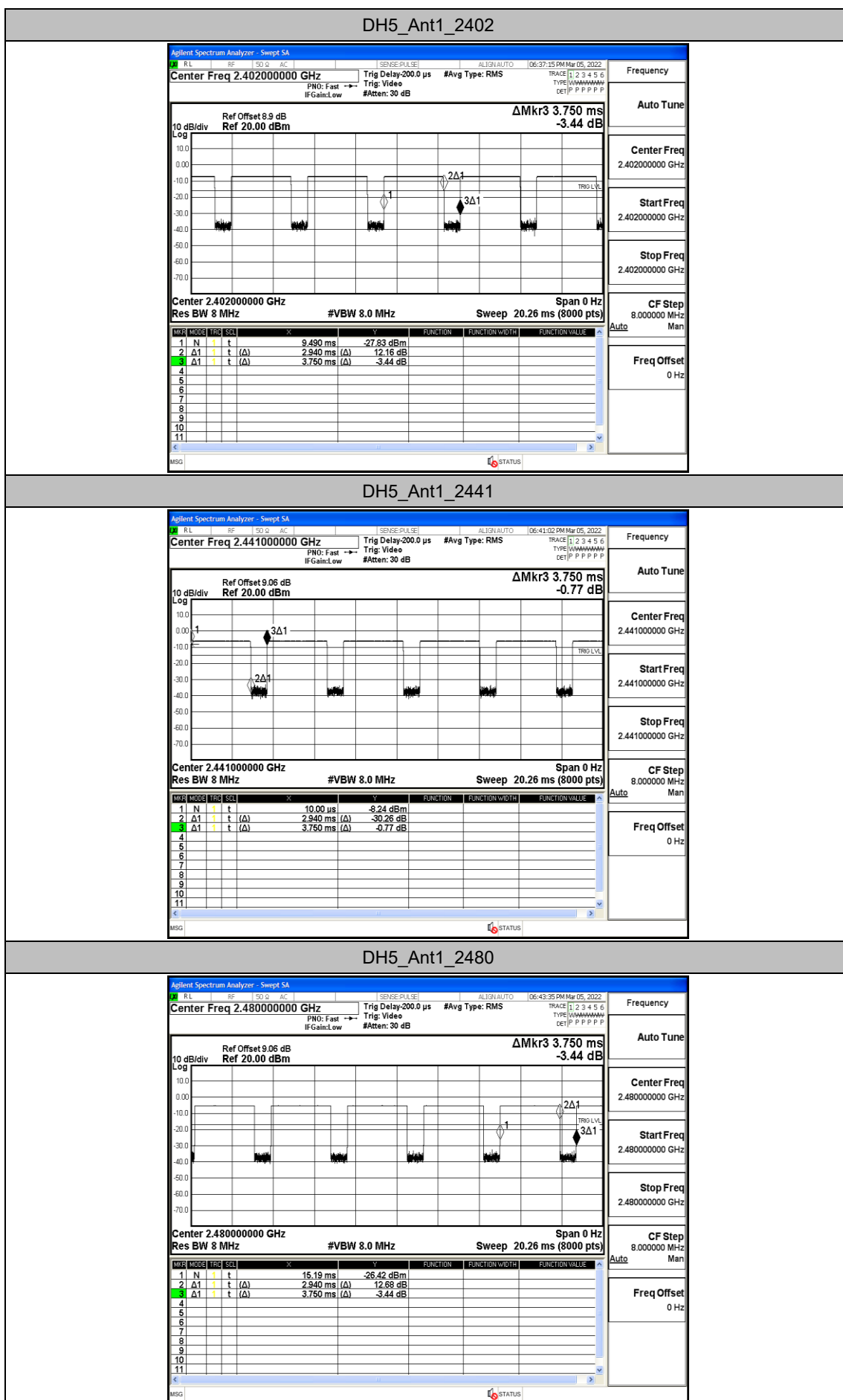


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
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



Appendix J: Emissions in Restricted Bands

Test Result

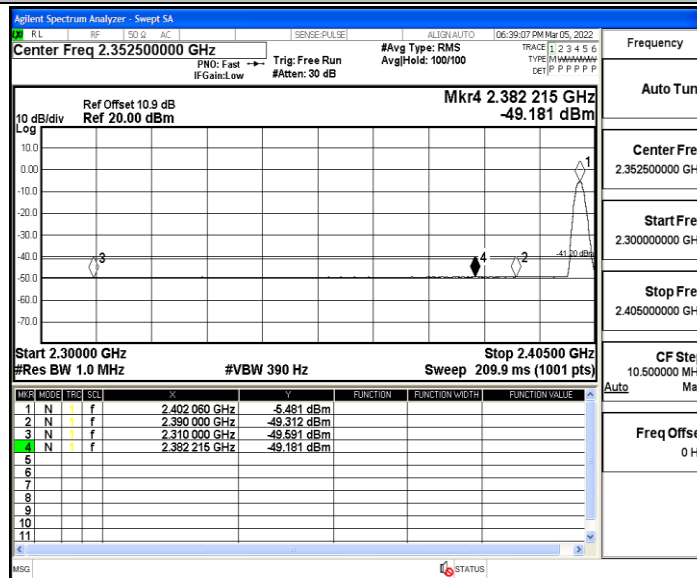
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.59	≤-41.20	PASS
				AV	2382.215	-49.18	≤-41.20	PASS
				AV	2390.000	-49.31	≤-41.20	PASS
				Peak	2310.000	-42.41	≤-21.20	PASS
				Peak	2369.300	-38.94	≤-21.20	PASS
				Peak	2390.000	-42.79	≤-21.20	PASS
		High	2480	AV	2483.500	-48.69	≤-41.20	PASS
				AV	2499.840	-48.49	≤-41.20	PASS
				AV	2500.000	-48.53	≤-41.20	PASS
				Peak	2483.500	-41.48	≤-21.20	PASS
				Peak	2494.160	-39.19	≤-21.20	PASS
				Peak	2500.000	-41.15	≤-21.20	PASS

Note:

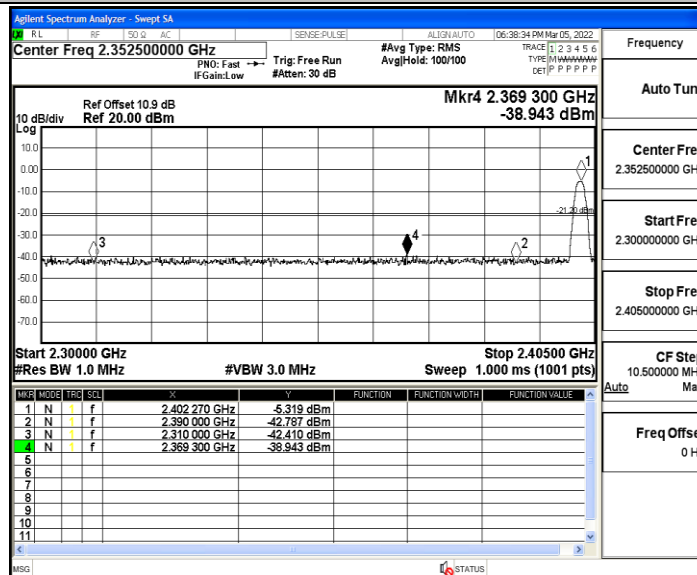
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

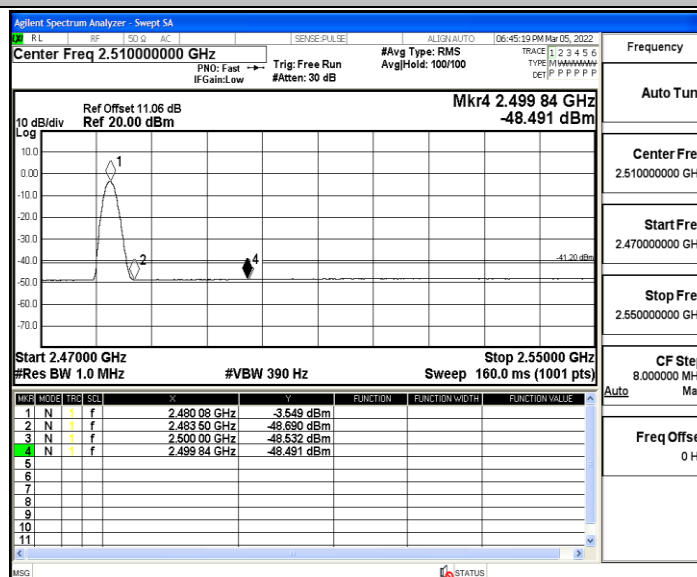
DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

