

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

Product Name: Bluetooth Keyboard

Trade Mark: Dexnor

Test Model: DK004

FCC ID: 2BA3T-DK004DK005

Environmental Conditions

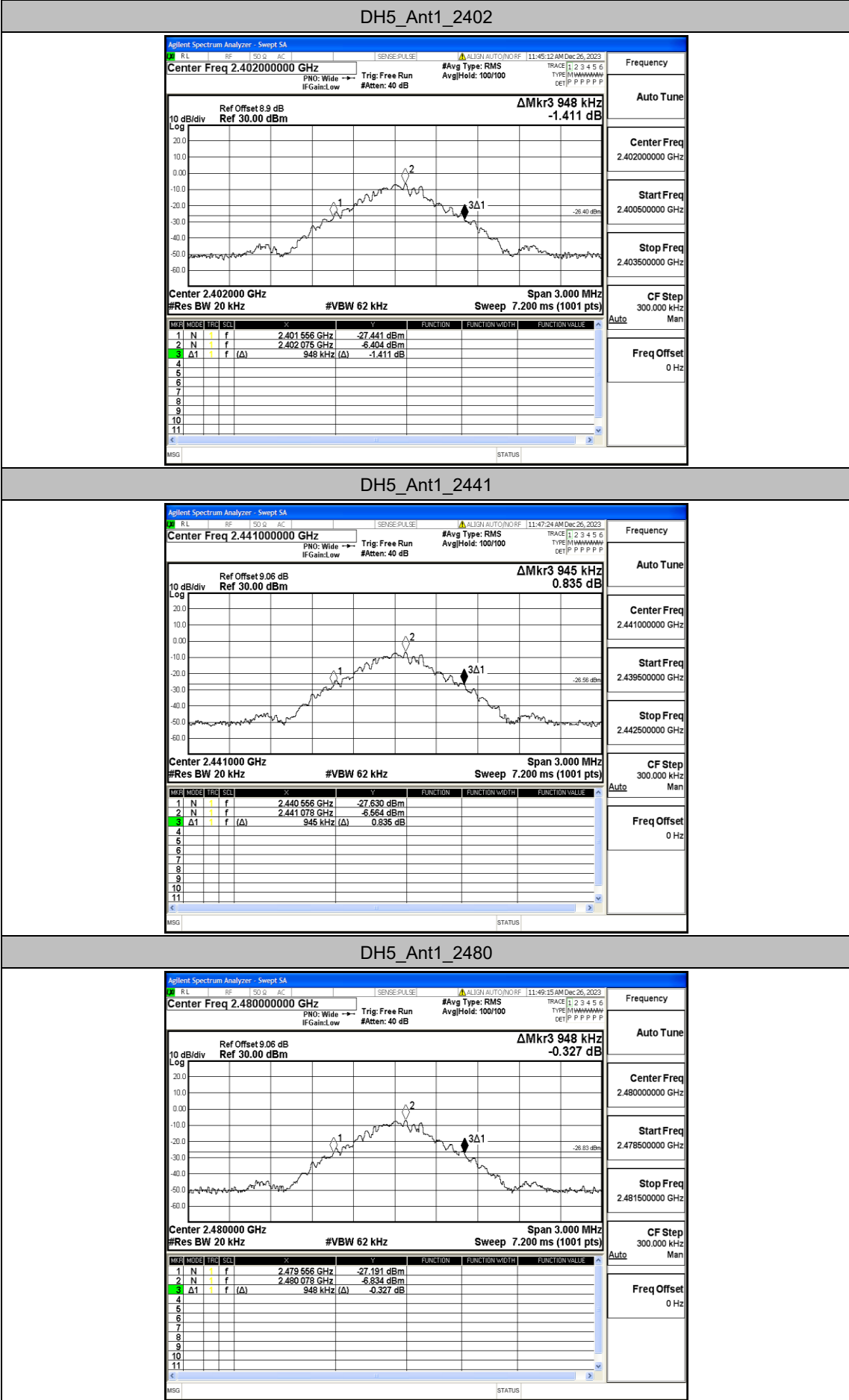
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.556	2402.504	---	---
		2441	0.945	2440.556	2441.501	---	---
		2480	0.948	2479.556	2480.504	---	---

Test Graphs

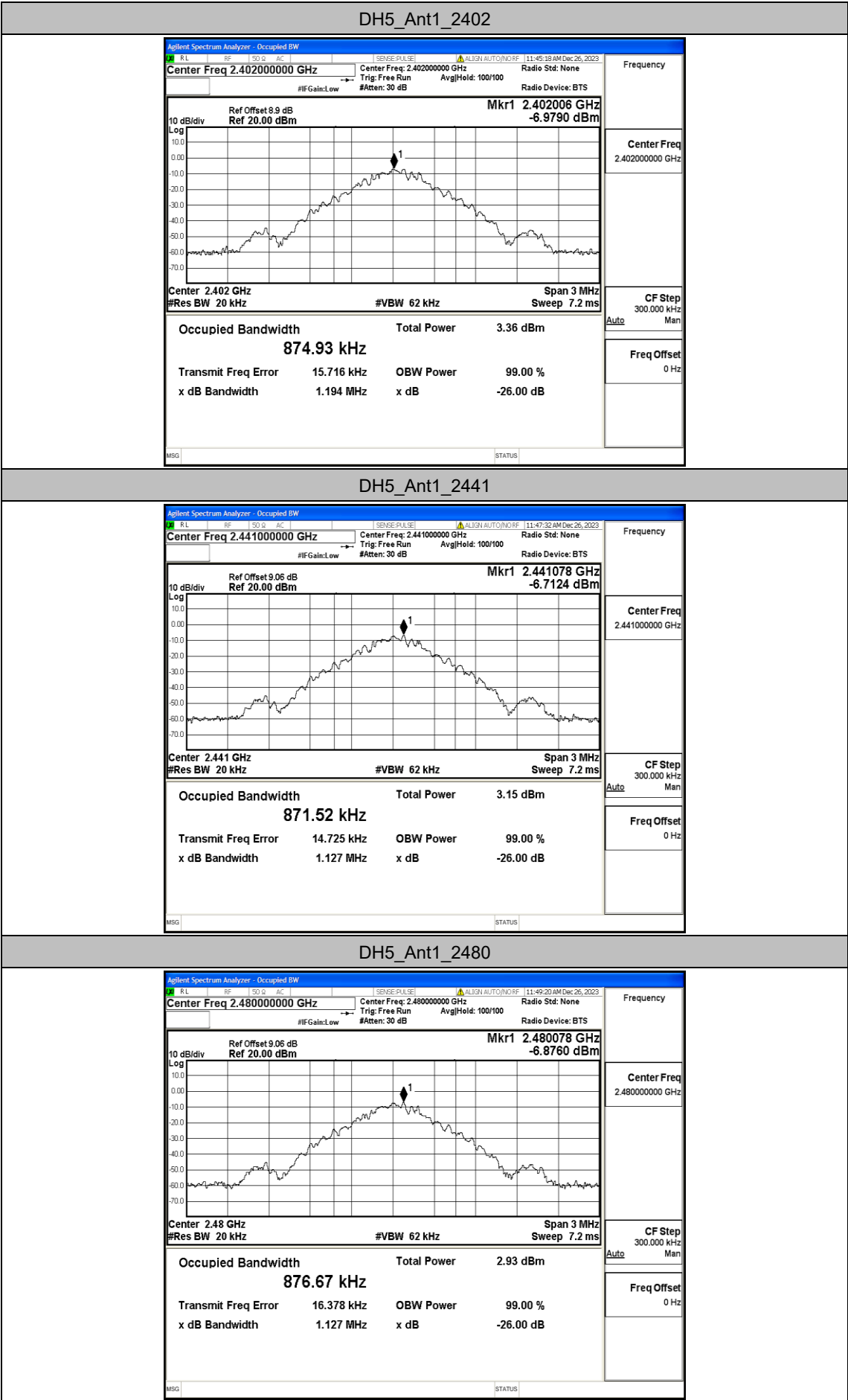


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87493	2401.5783	2402.4532	---	---
		2441	0.87152	2440.5790	2441.4505	---	---
		2480	0.87667	2479.5780	2480.4547	---	---

Test Graphs

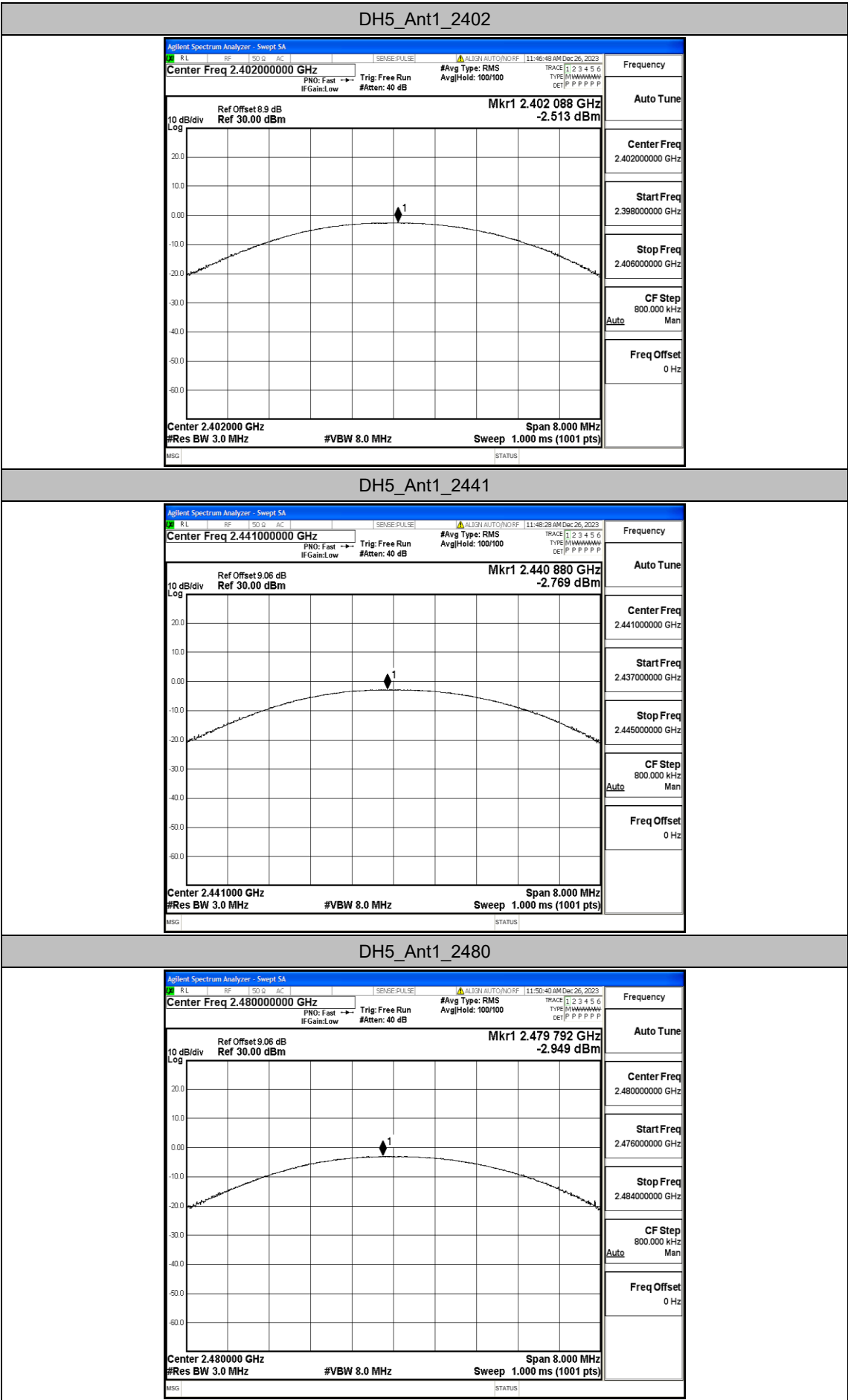


Appendix C: Maximum Peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.51	≤20.97	PASS
		2441	-2.77	≤20.97	PASS
		2480	-2.95	≤20.97	PASS

Test Graphs

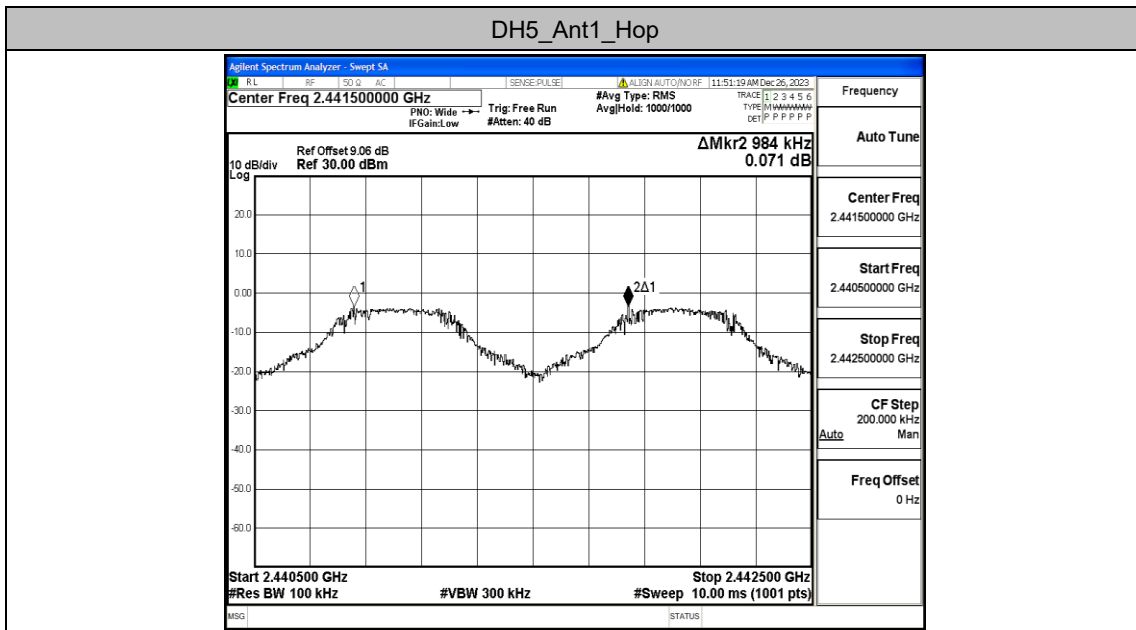


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.984	≥ 0.948	PASS

Test Graphs

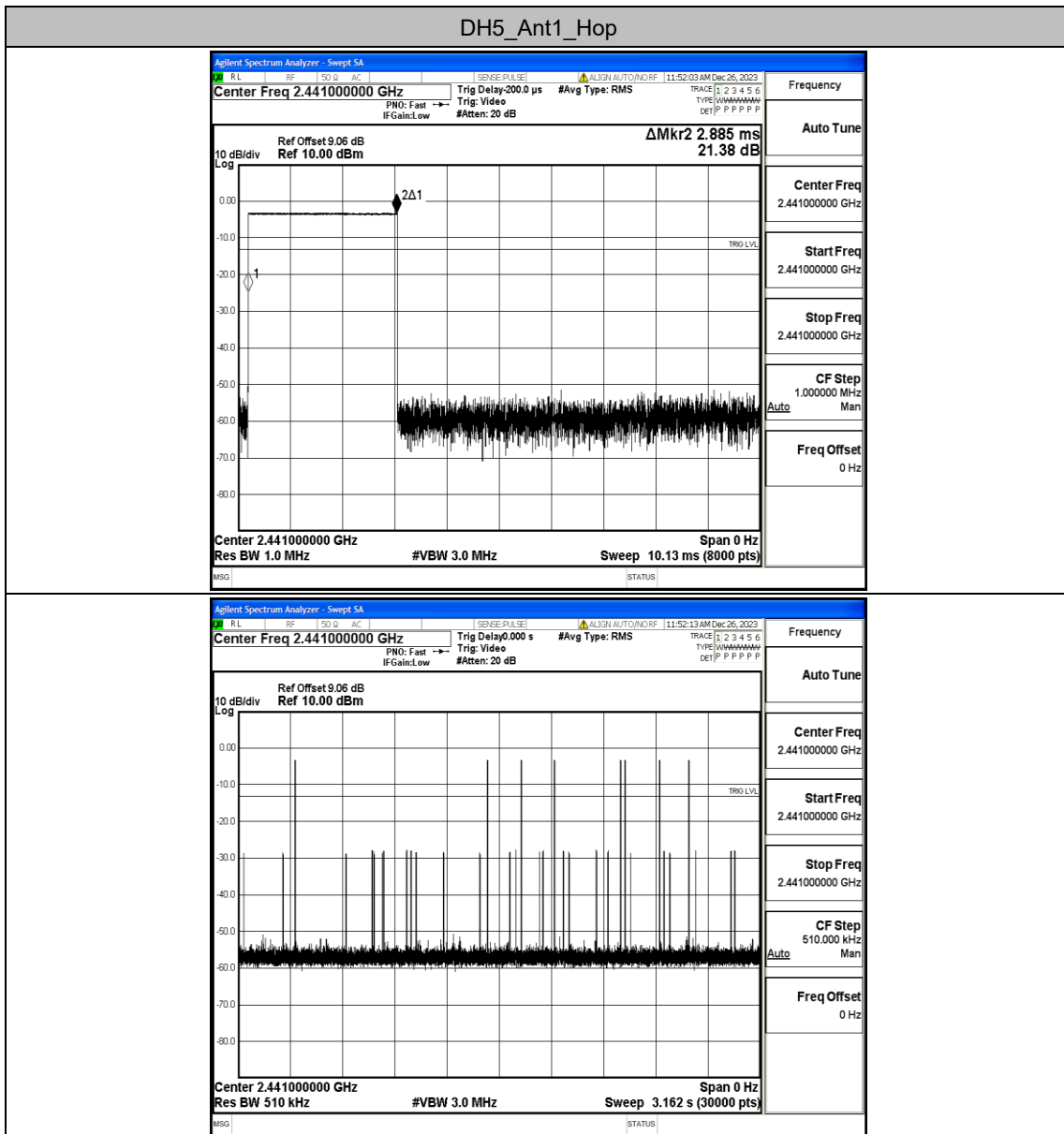


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	90	0.26	≤0.4	PASS

Test Graphs

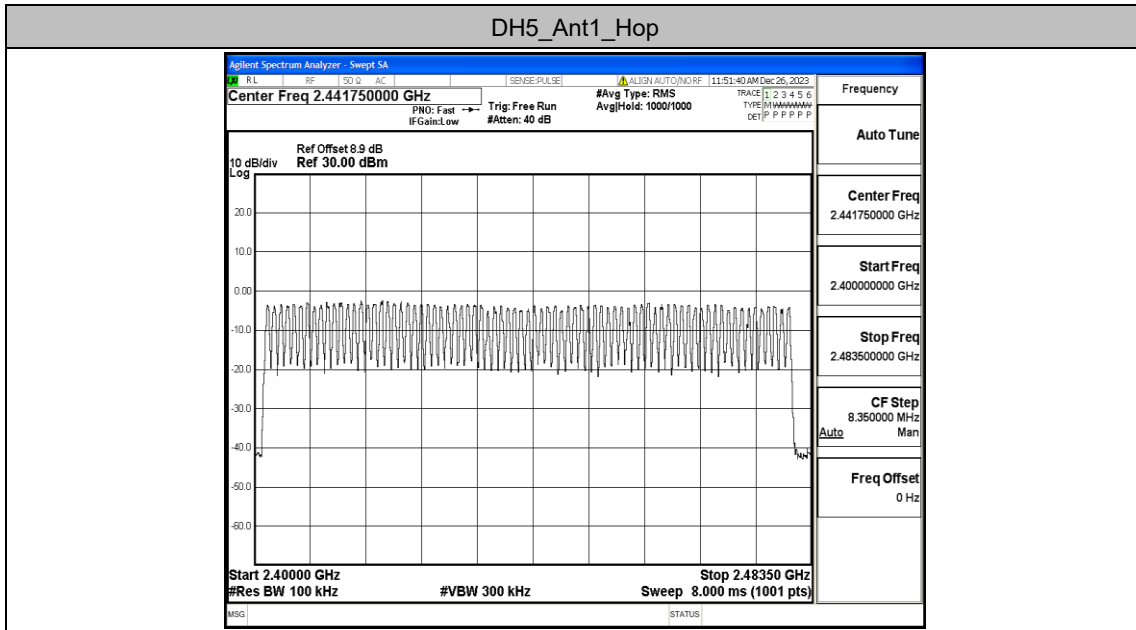


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

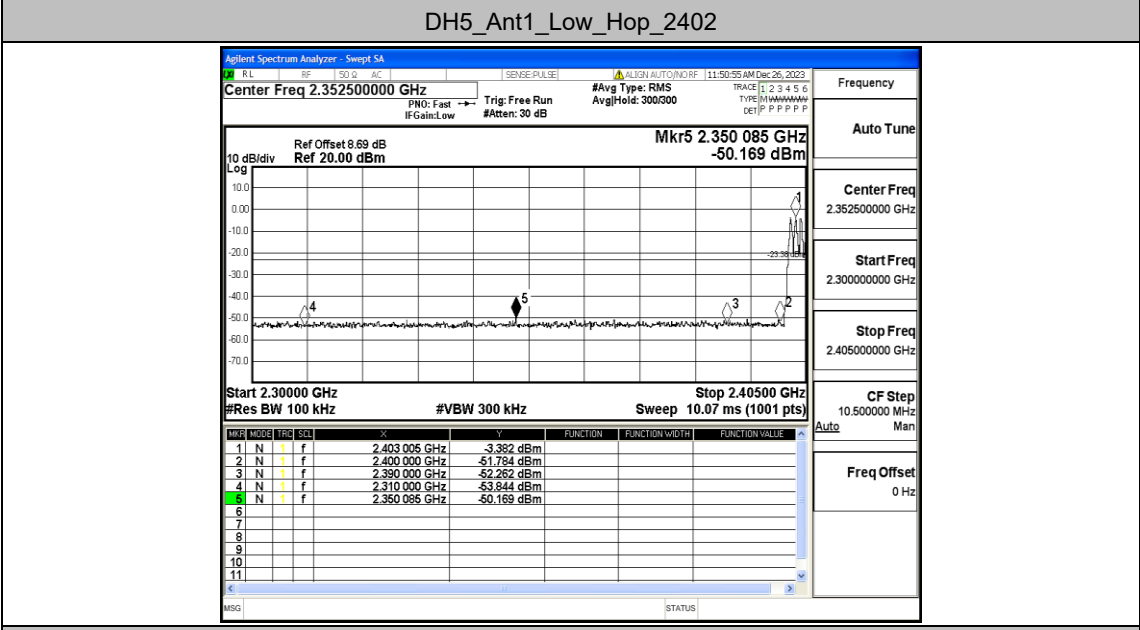
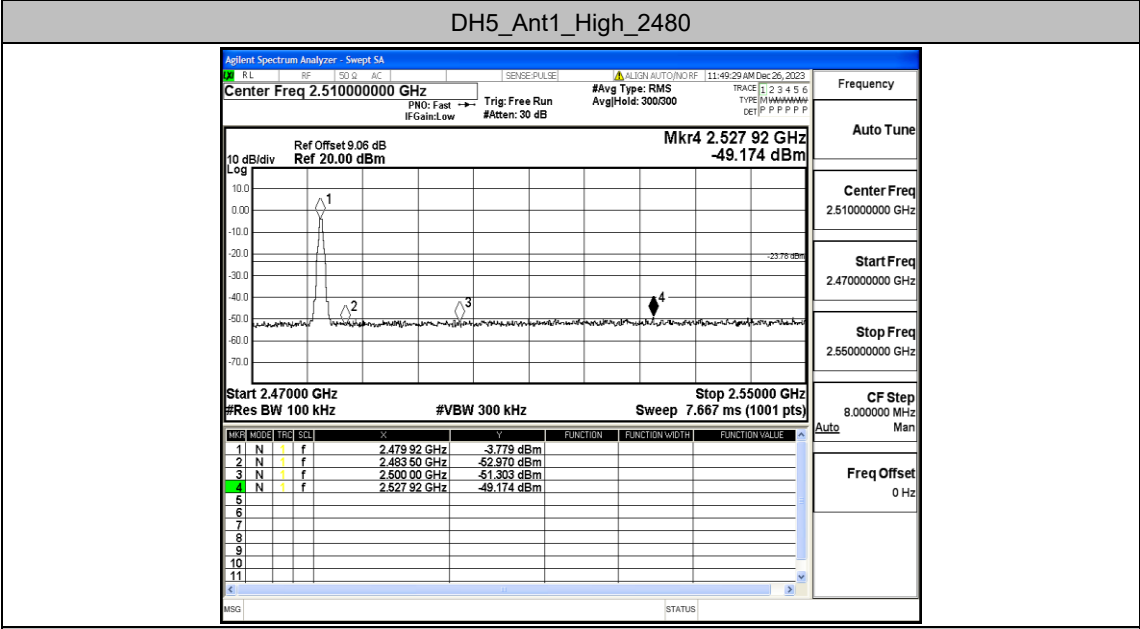
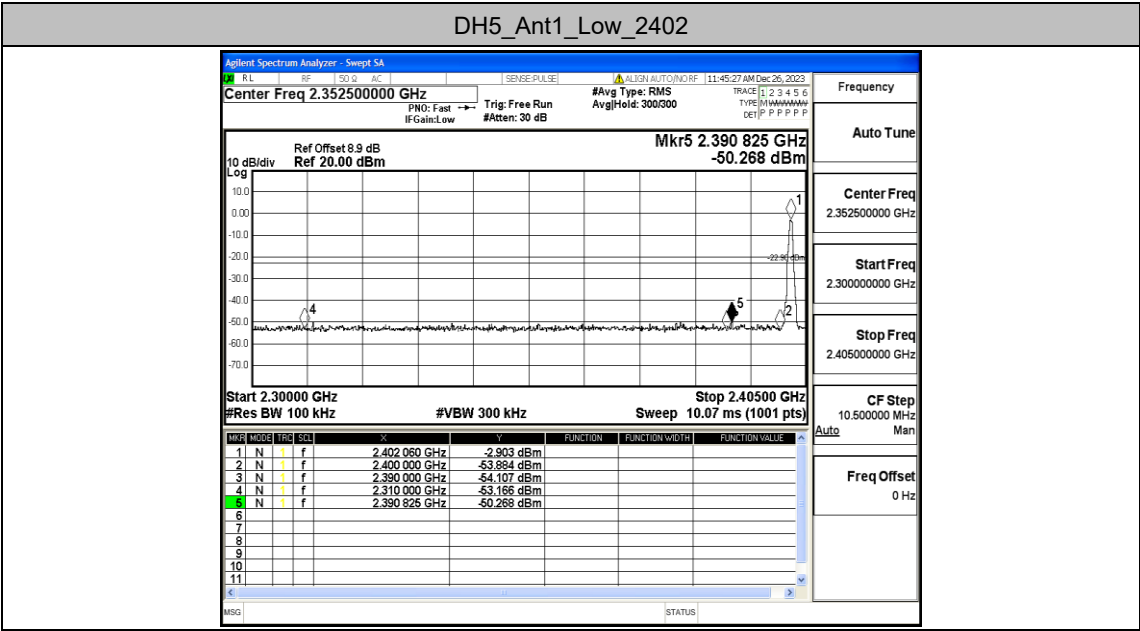


Appendix G: Band edge measurements

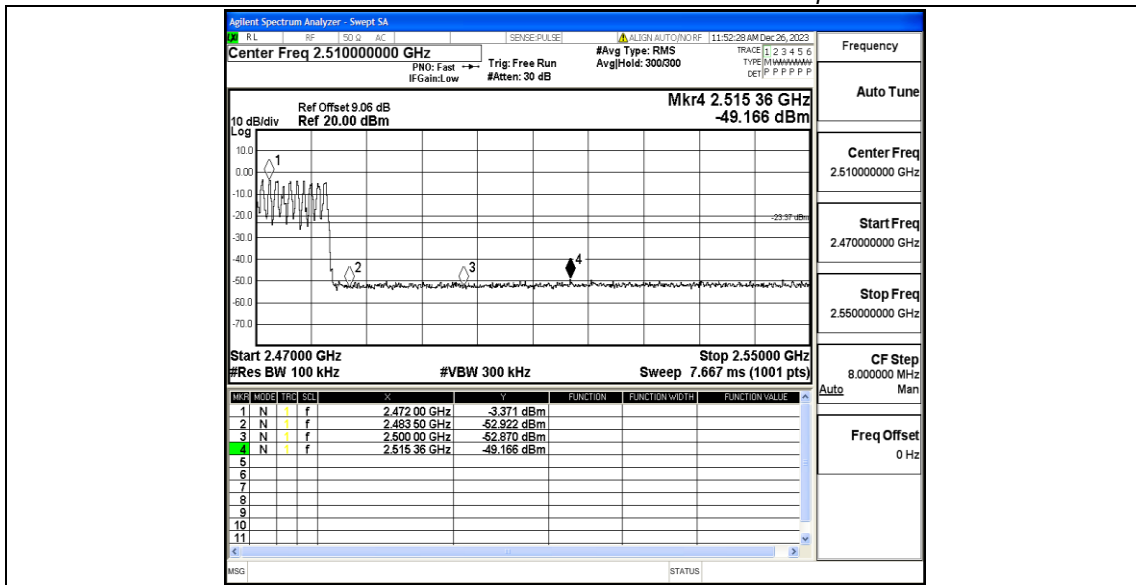
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.90	-50.27	≤-22.9	PASS
		High	2480	-3.78	-49.17	≤-23.78	PASS
		Low	Hop_2402	-3.38	-50.17	≤-23.38	PASS
		High	Hop_2480	-3.37	-49.17	≤-23.37	PASS

Test Graphs



DH5_Ant1_High_Hop_2480



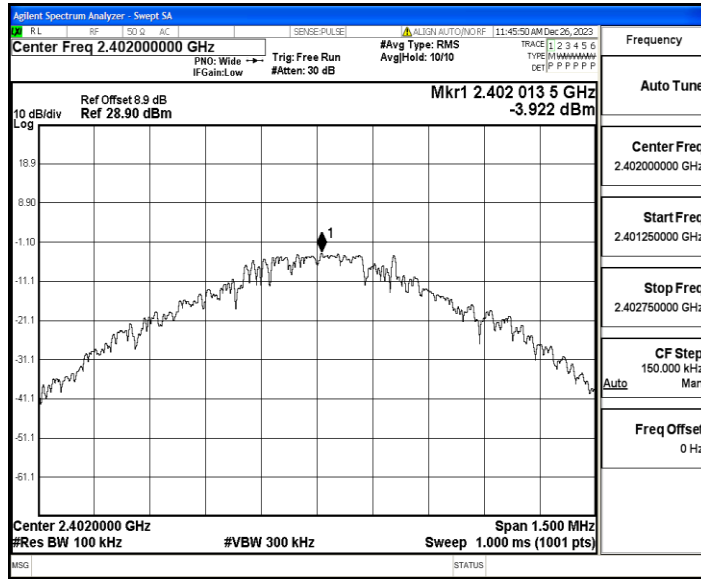
Appendix H: Conducted Spurious Emission

Test Result

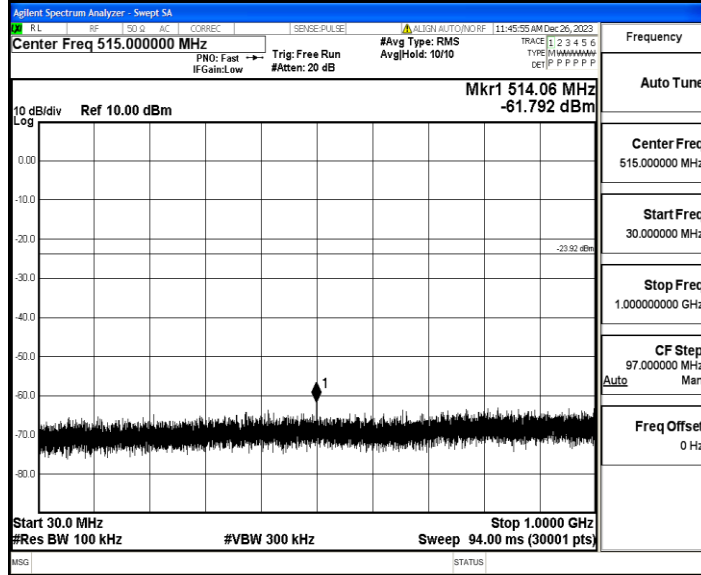
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.92	-3.92	---	PASS
			30~1000	-3.92	-61.79	≤-23.92	PASS
			1000~26500	-3.92	-50.7	≤-23.92	PASS
		2441	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-61.98	≤-24.1	PASS
			1000~26500	-4.10	-50.4	≤-24.1	PASS
		2480	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-62.3	≤-24.36	PASS
			1000~26500	-4.36	-50.83	≤-24.36	PASS

Test Graphs

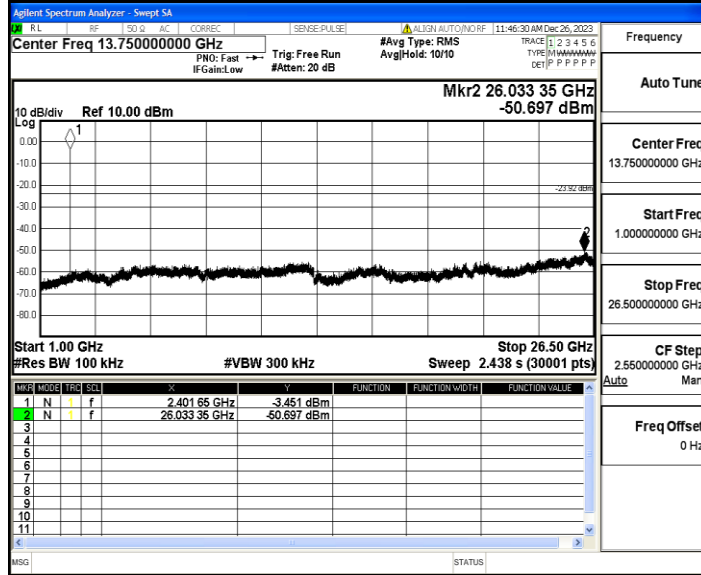
DH5_Ant1_2402_0~Reference



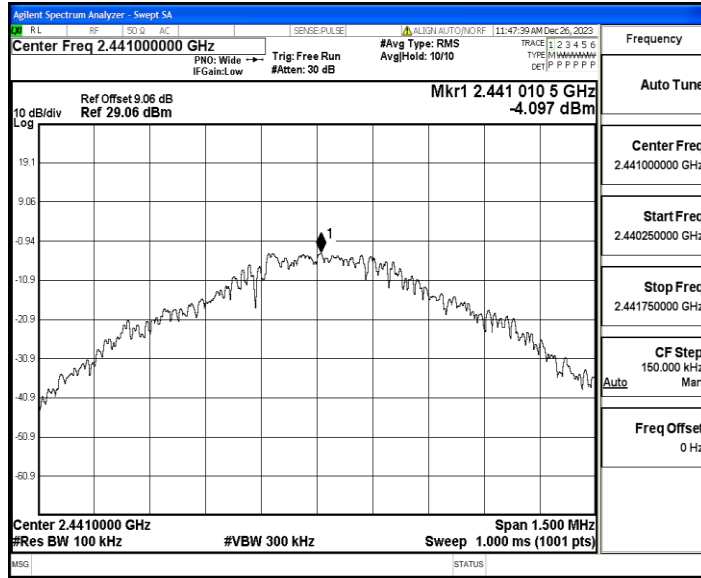
DH5_Ant1_2402_30~1000



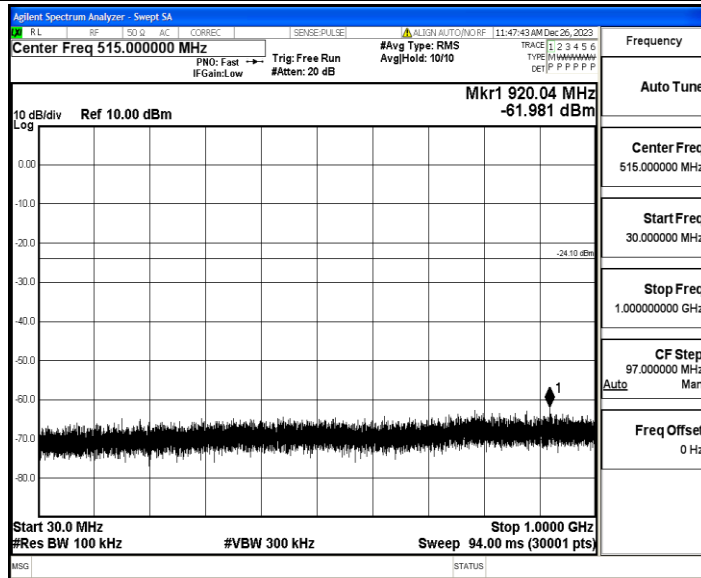
DH5_Ant1_2402_1000~26500



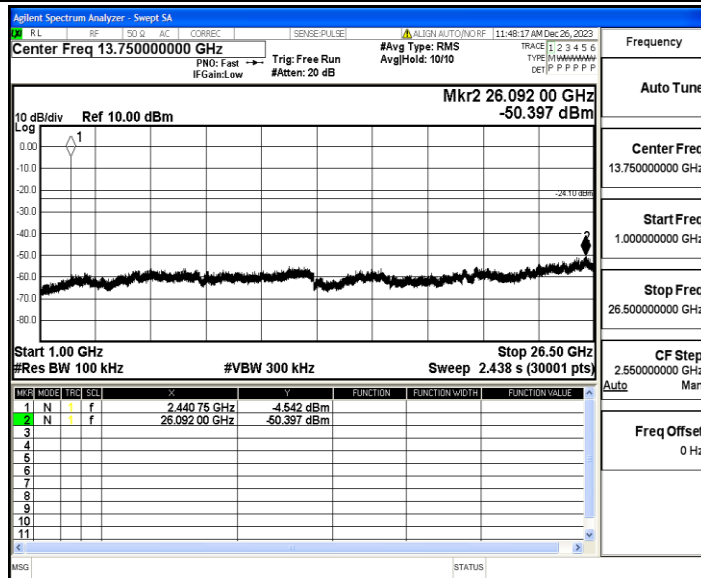
DH5_Ant1_2441_0~Reference



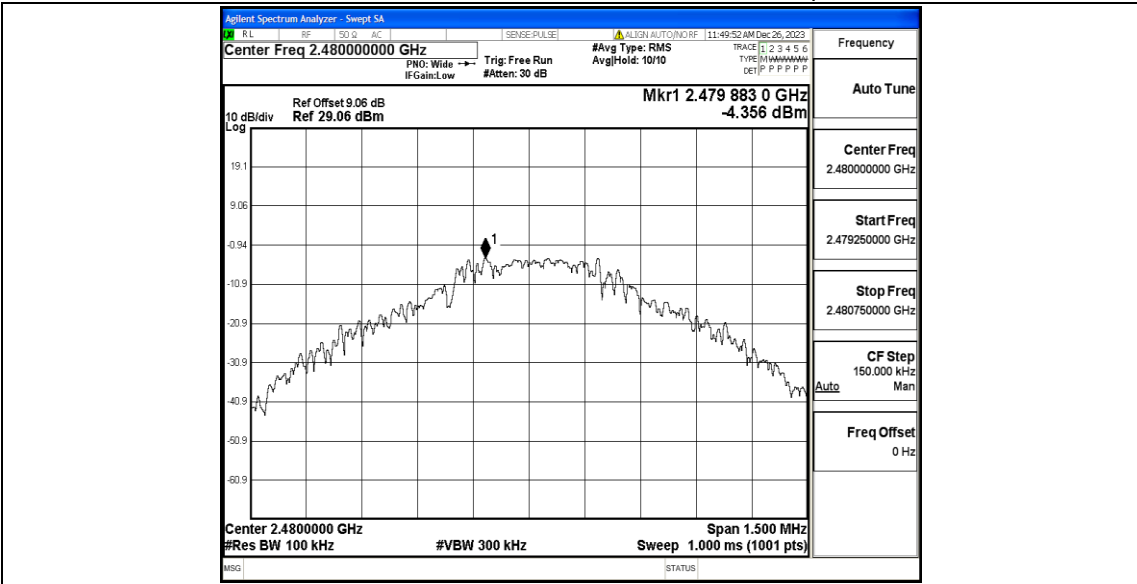
DH5_Ant1_2441_30~1000



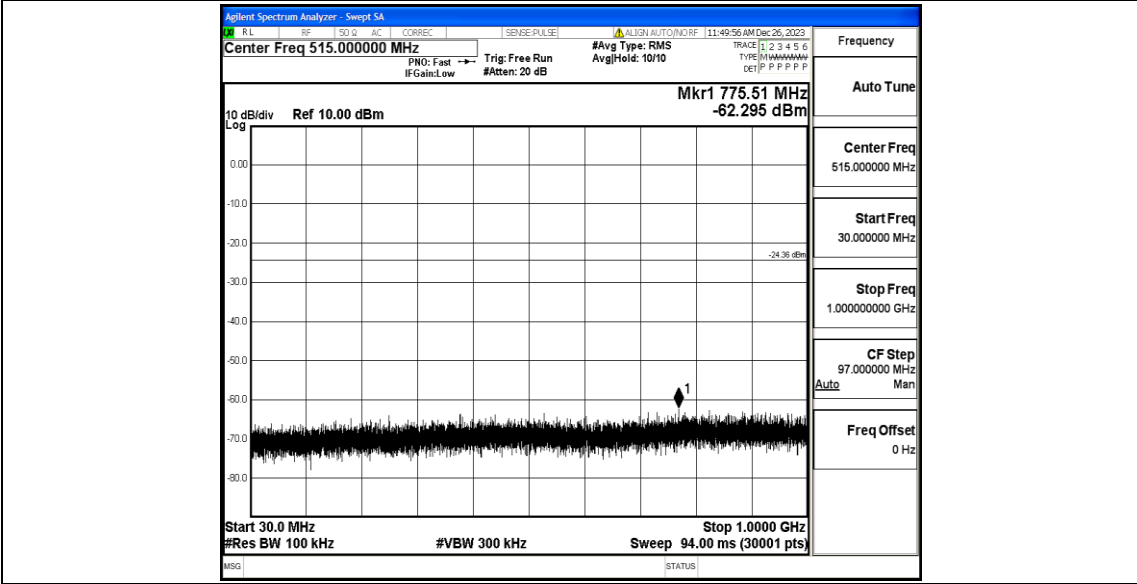
DH5_Ant1_2441_1000~26500



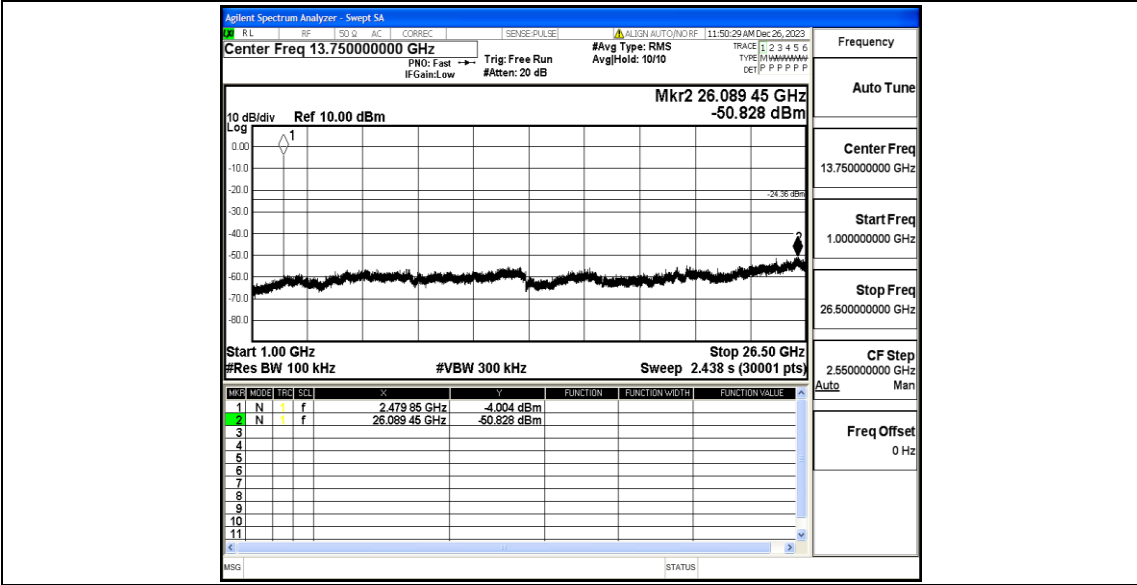
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

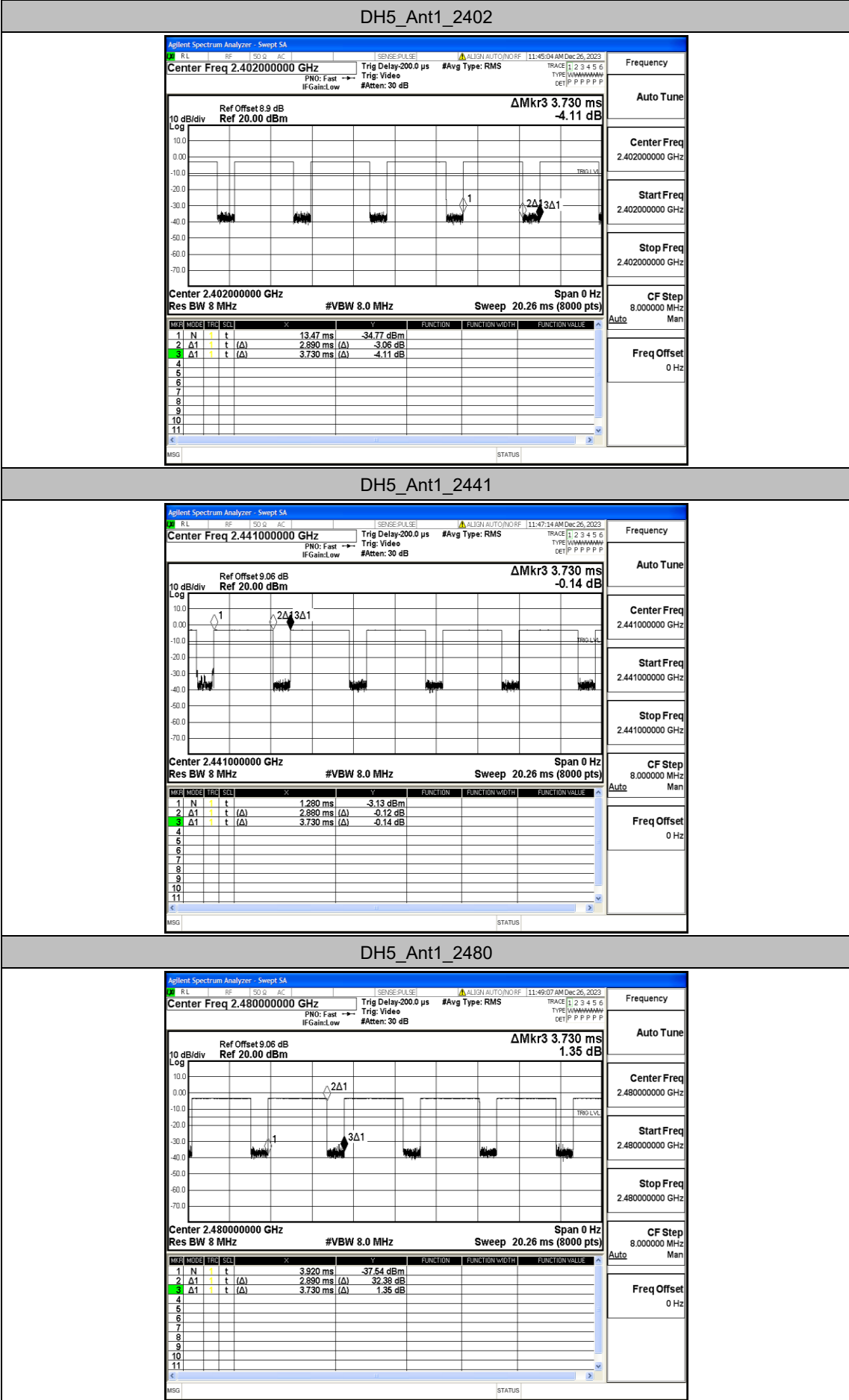


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.89	3.73	77.48	0.35
		2441	2.88	3.73	77.21	0.35
		2480	2.89	3.73	77.48	0.35

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	-59.36	≤-41.20	PASS
				AV	2384.420	-58.2	≤-41.20	PASS
				AV	2390.000	-59.42	≤-41.20	PASS
				Peak	2310.000	-57.47	≤-21.20	PASS
				Peak	2385.470	-56.76	≤-21.20	PASS
				Peak	2390.000	-56.9	≤-21.20	PASS
		High	2480	AV	2483.500	-57.64	≤-41.20	PASS
				AV	2486.080	-57.63	≤-41.20	PASS
				AV	2500.000	-58.42	≤-41.20	PASS
				Peak	2483.500	-55.7	≤-21.20	PASS
				Peak	2483.520	-55.7	≤-21.20	PASS
				Peak	2500.000	-56.63	≤-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

