

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

Product Name: Bluetooth Keyboard

Trade Mark: Dexnor

Test Model: Bluetooth Keyboard Dexnor DK002

FCC ID: 2BA3T-DK002

Environmental Conditions

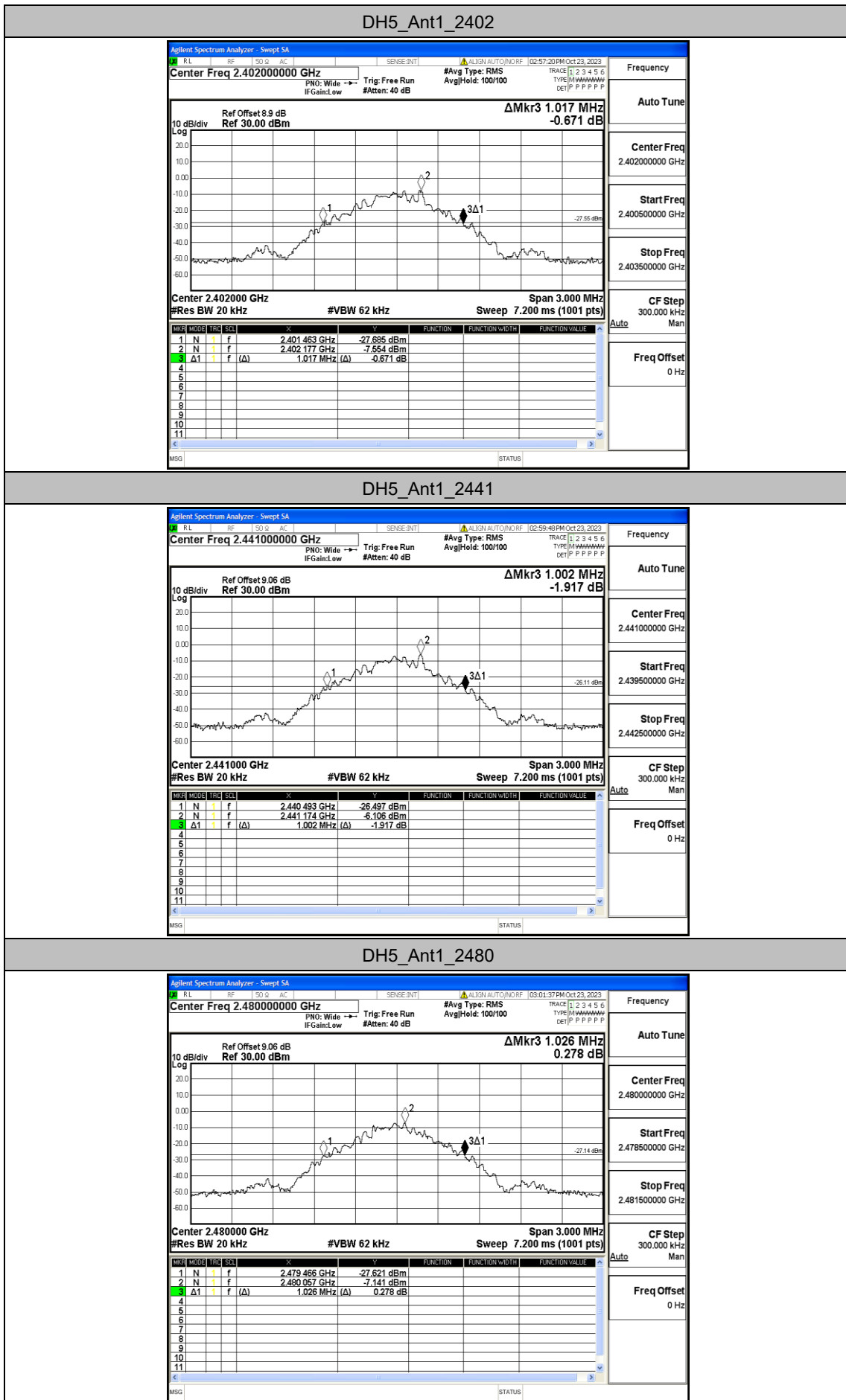
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.017	2401.463	2402.480	---	---
		2441	1.002	2440.493	2441.495	---	---
		2480	1.026	2479.466	2480.492	---	---

Test Graphs

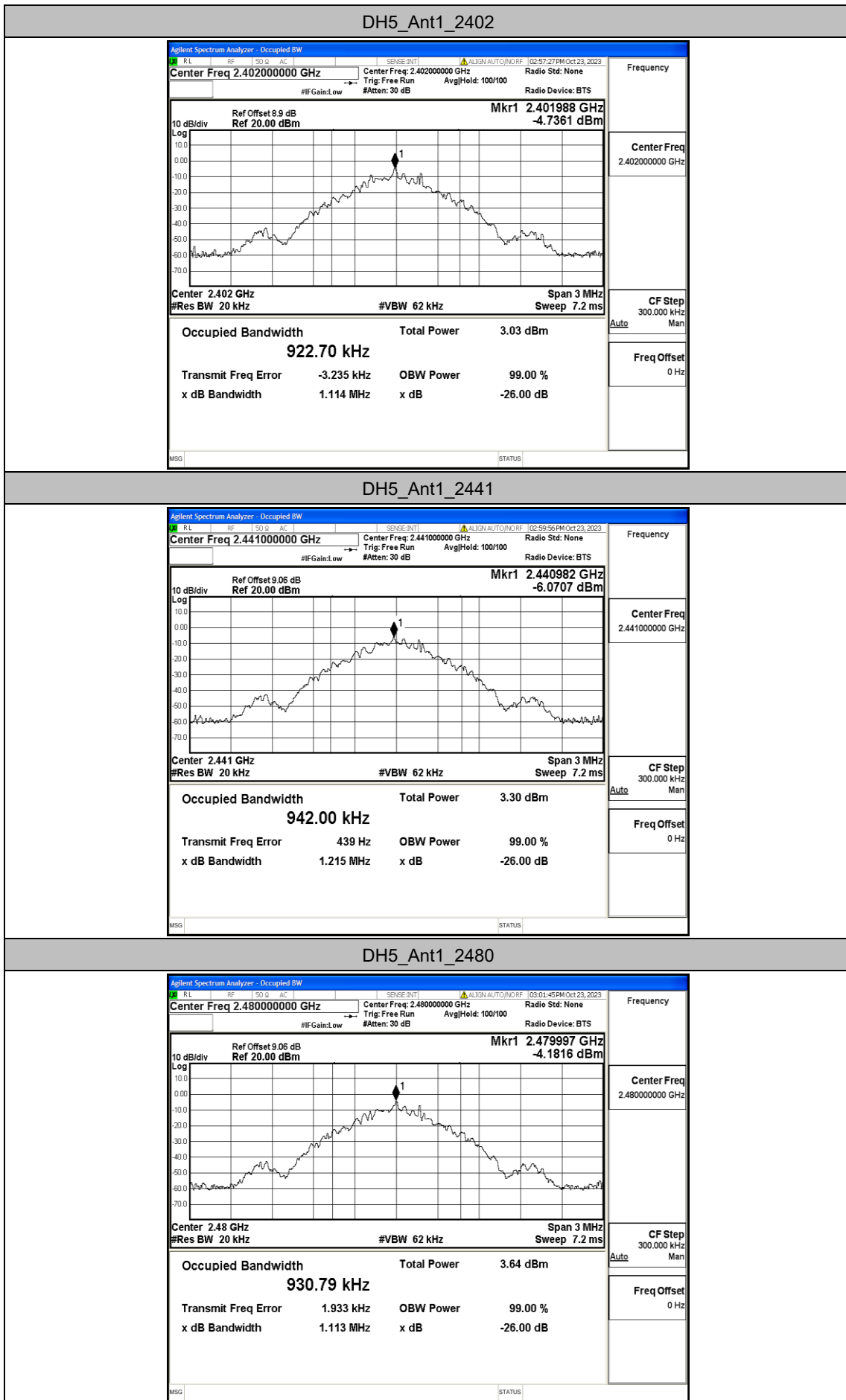


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92270	2401.5354	2402.4581	---	---
		2441	0.94200	2440.5294	2441.4714	---	---
		2480	0.93079	2479.5365	2480.4673	---	---

Test Graphs

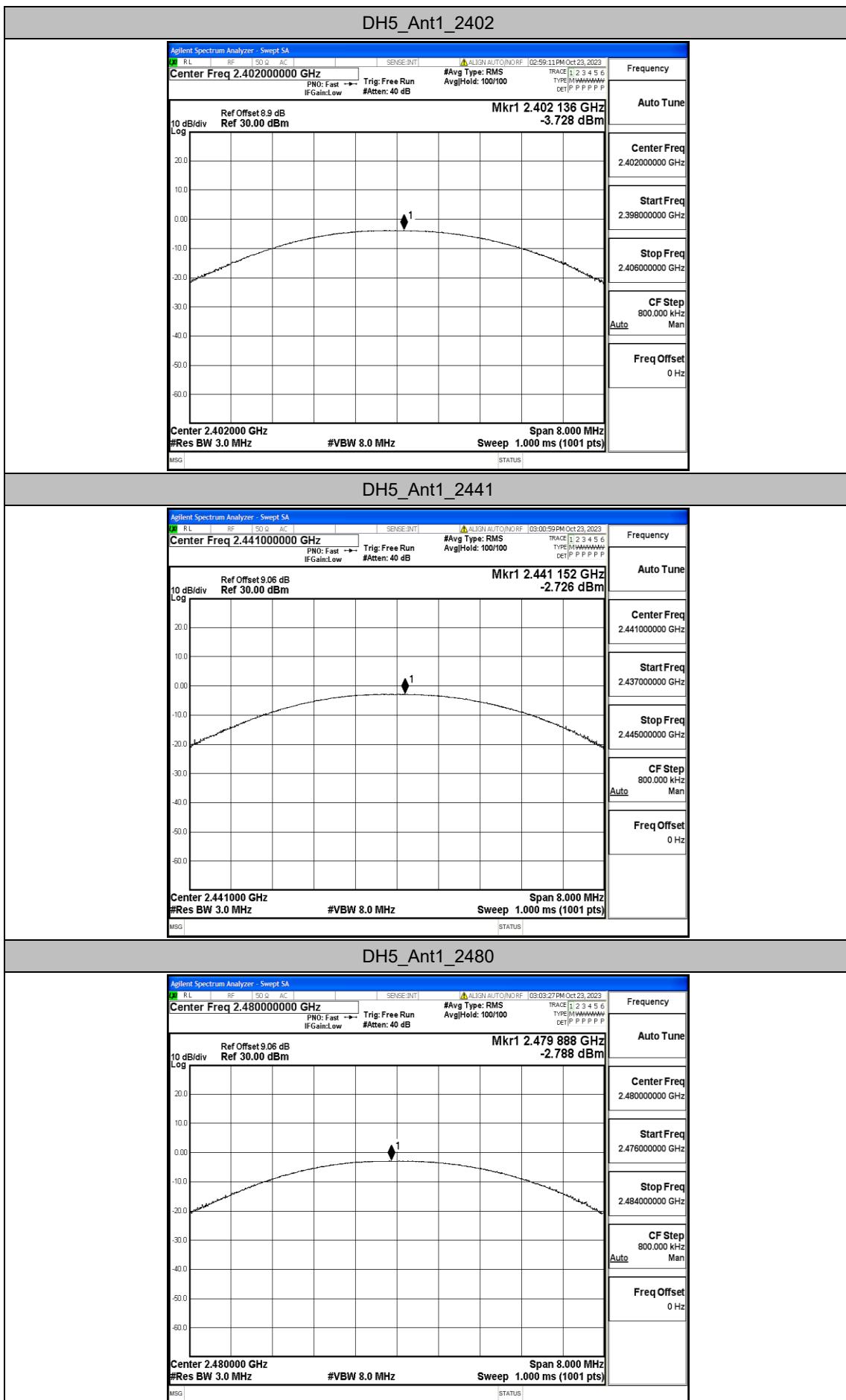


Appendix C: Maximum Peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.73	≤20.97	PASS
		2441	-2.73	≤20.97	PASS
		2480	-2.79	≤20.97	PASS

Test Graphs

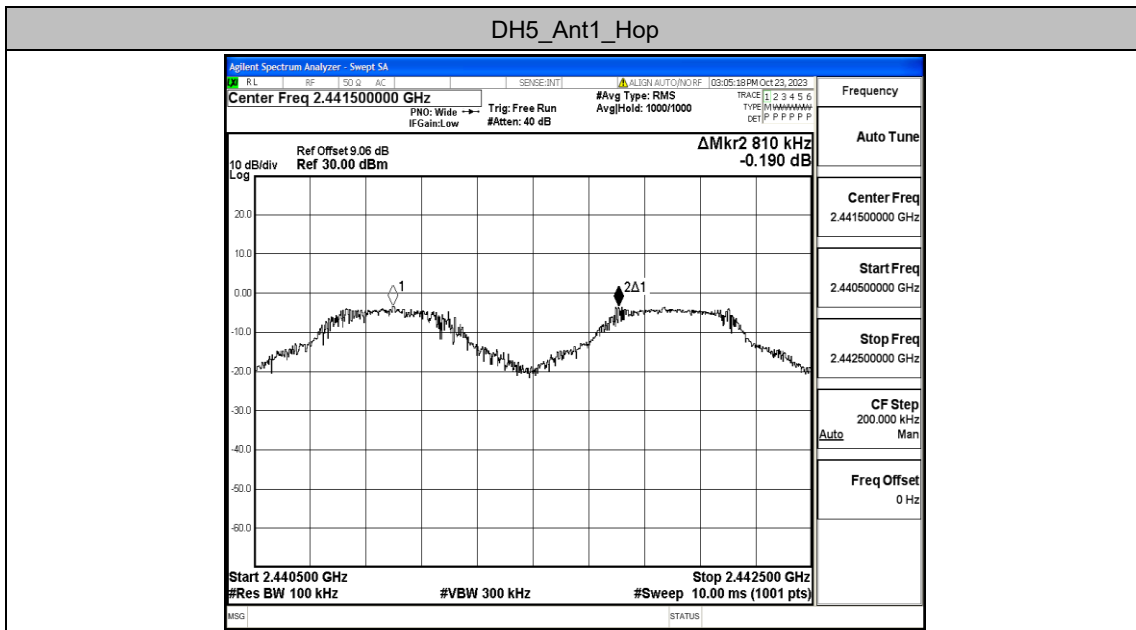


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.81	≥0.684	PASS

Test Graphs

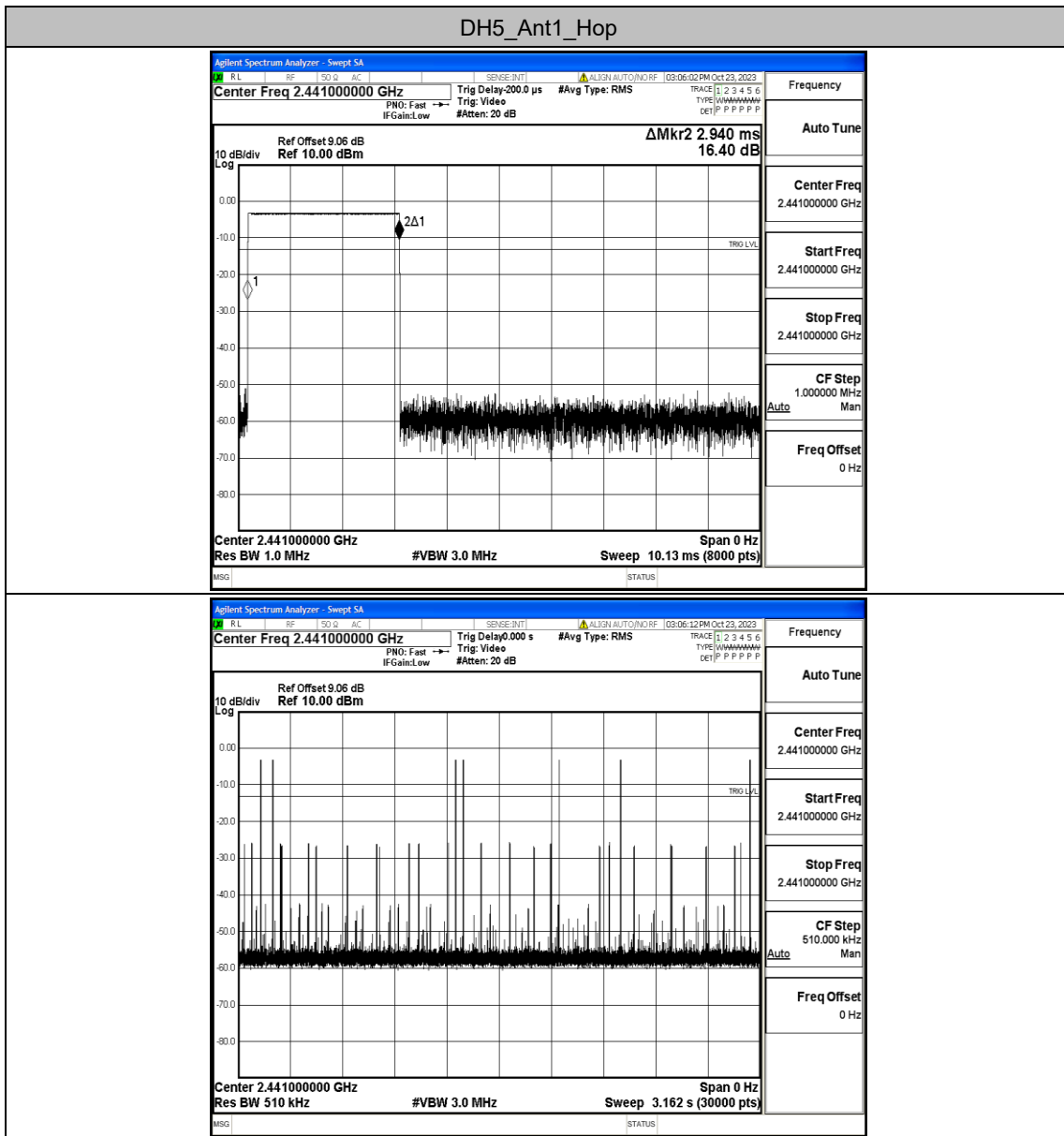


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.940	80	0.235	≤0.4	PASS

Test Graphs

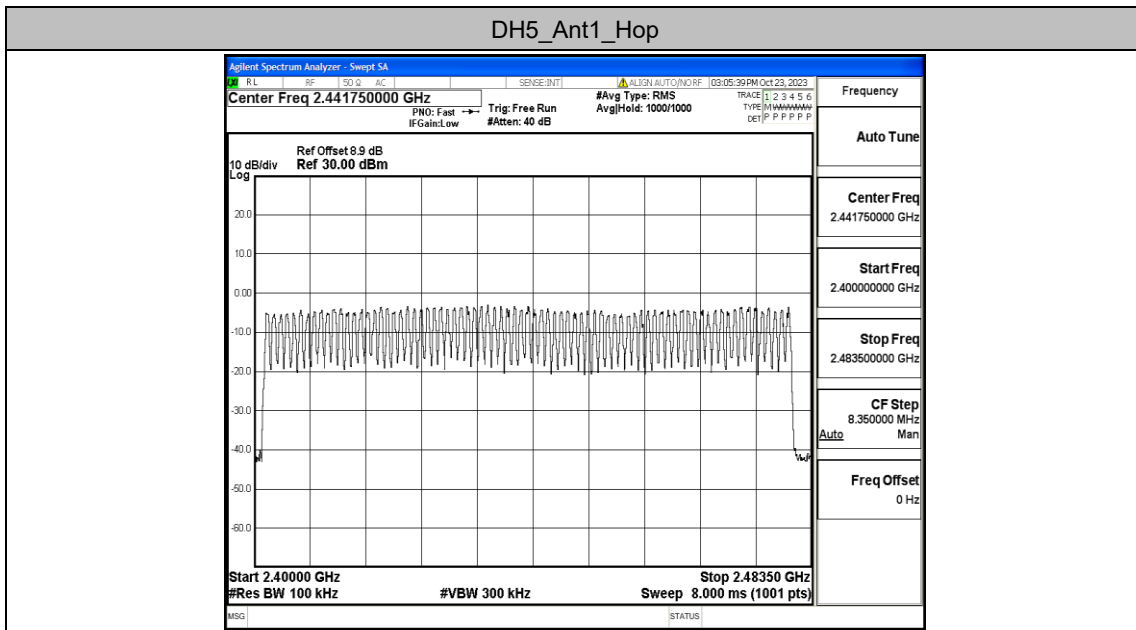


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



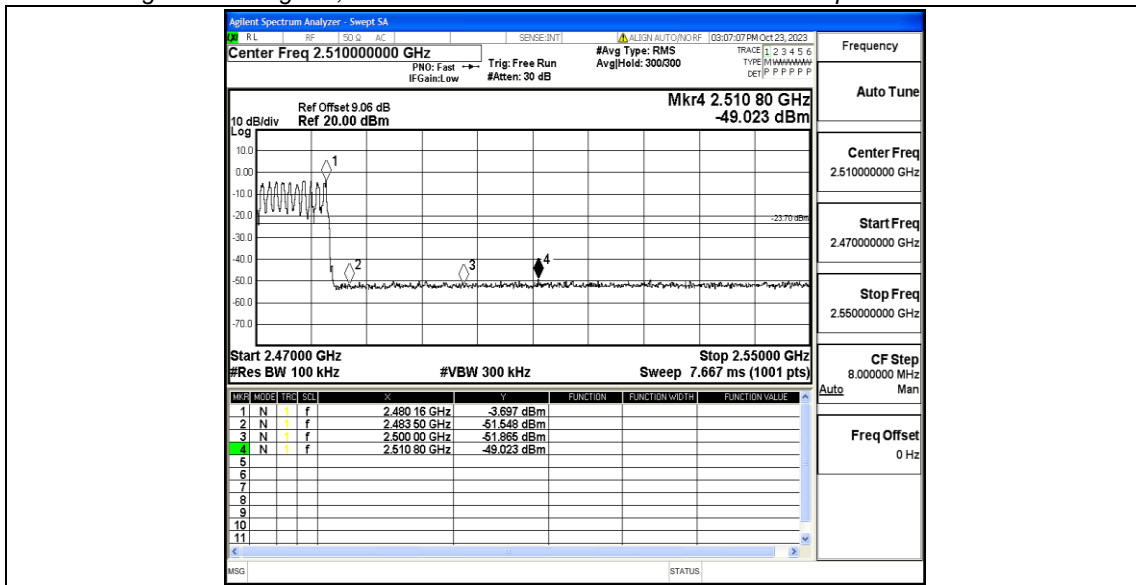
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.23	-48.37	≤-24.23	PASS
		High	2480	-3.63	-49.63	≤-23.63	PASS
		Low	Hop_2402	-5.66	-50.73	≤-25.66	PASS
		High	Hop_2480	-3.70	-49.02	≤-23.7	PASS

Test Graphs



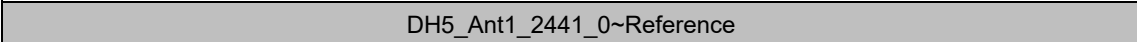
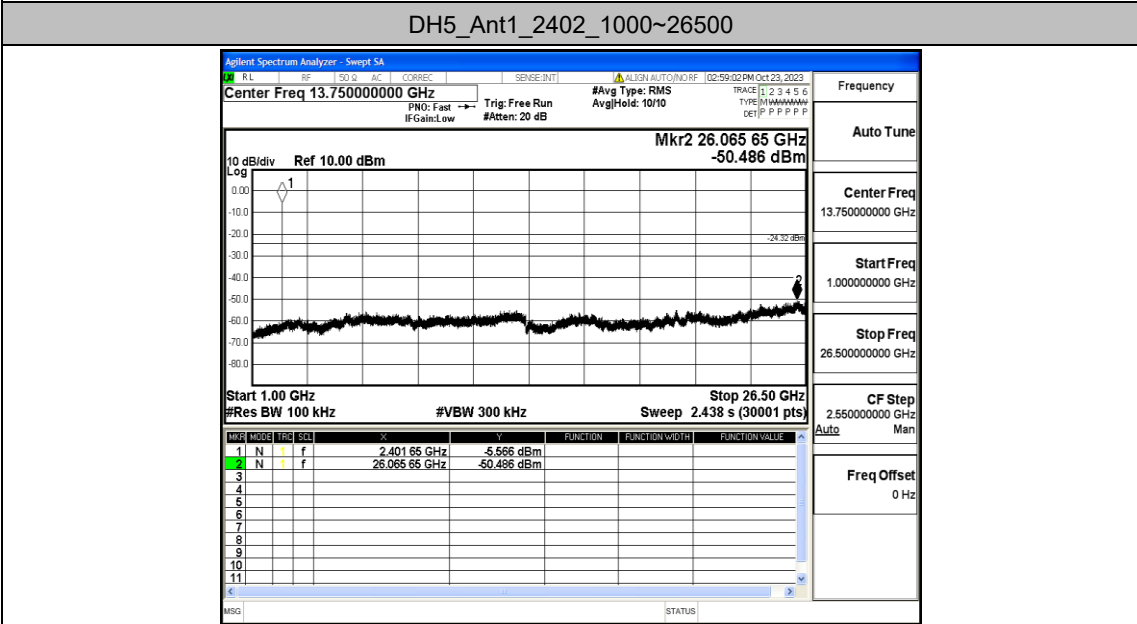
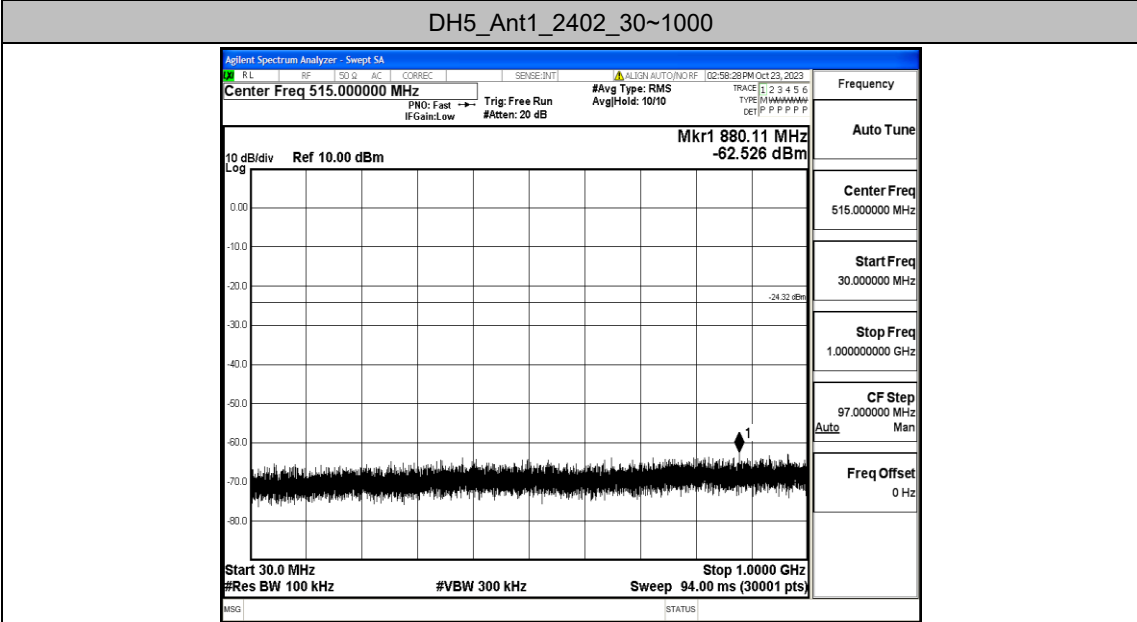
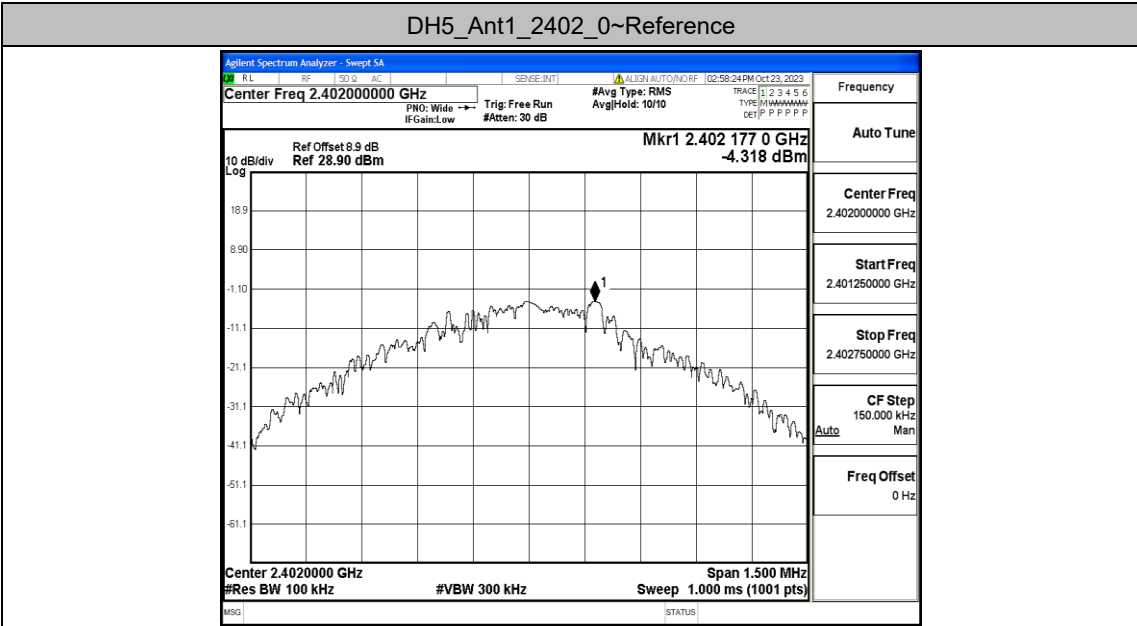


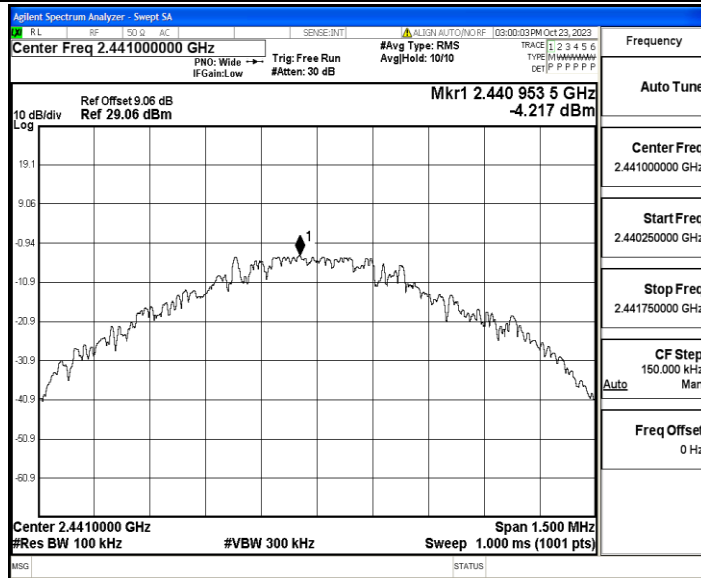
Appendix H: Conducted Spurious Emission

Test Result

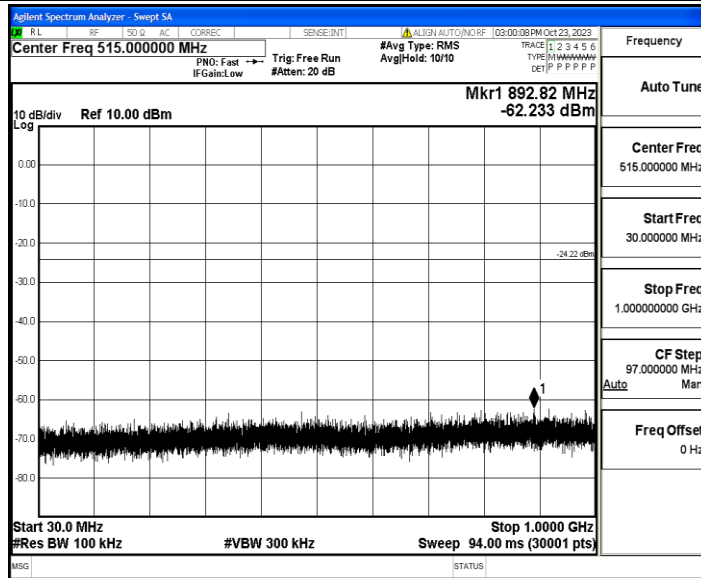
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-62.53	≤-24.32	PASS
			1000~26500	-4.32	-50.49	≤-24.32	PASS
		2441	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-62.23	≤-24.22	PASS
			1000~26500	-4.22	-50.25	≤-24.22	PASS
		2480	Reference	-4.19	-4.19	---	PASS
			30~1000	-4.19	-62.7	≤-24.19	PASS
			1000~26500	-4.19	-48.95	≤-24.19	PASS

Test Graphs

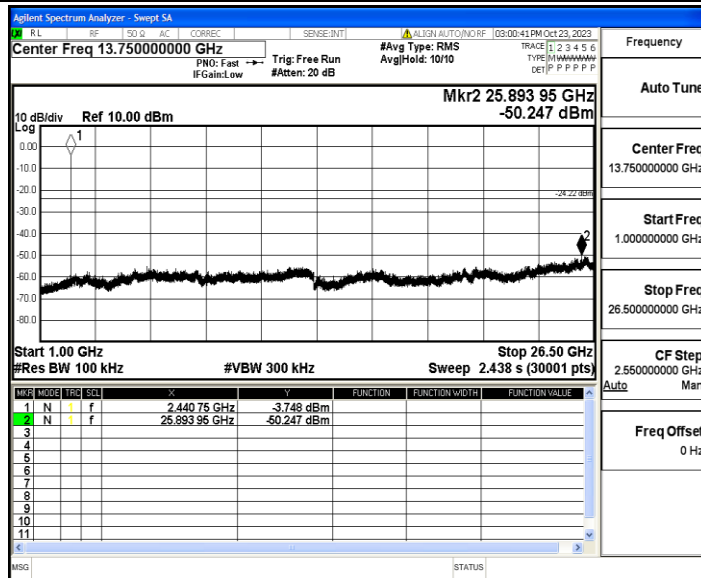




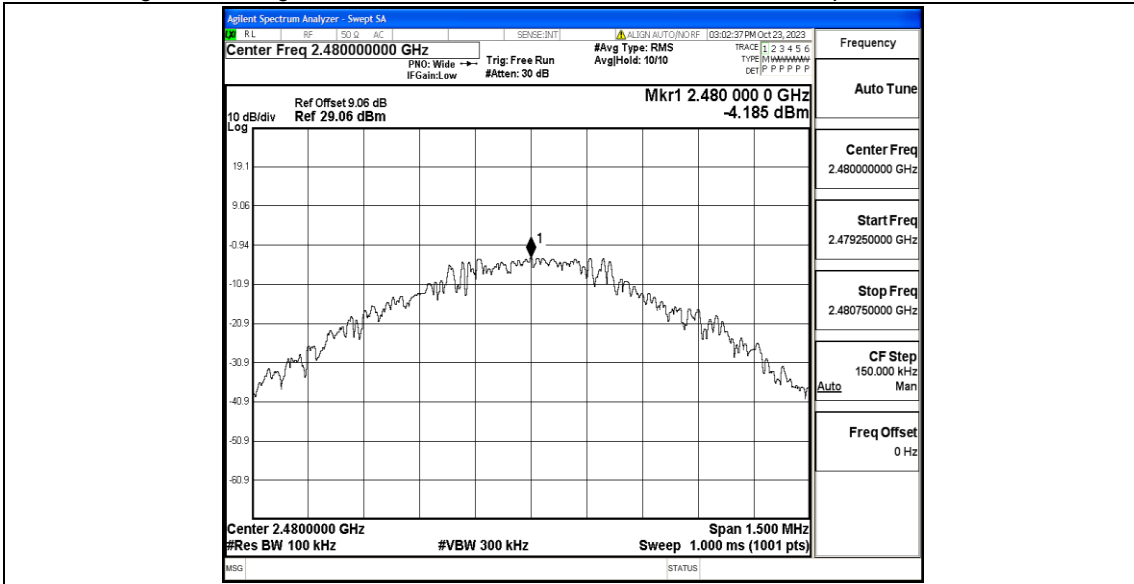
DH5_Ant1_2441_30~1000



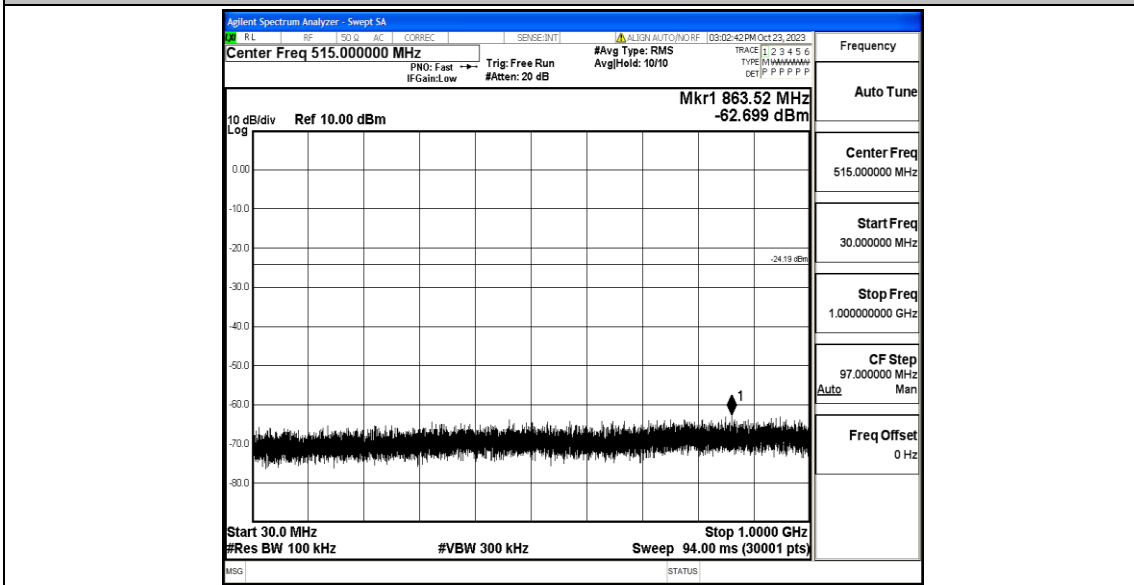
DH5_Ant1_2441_1000~26500



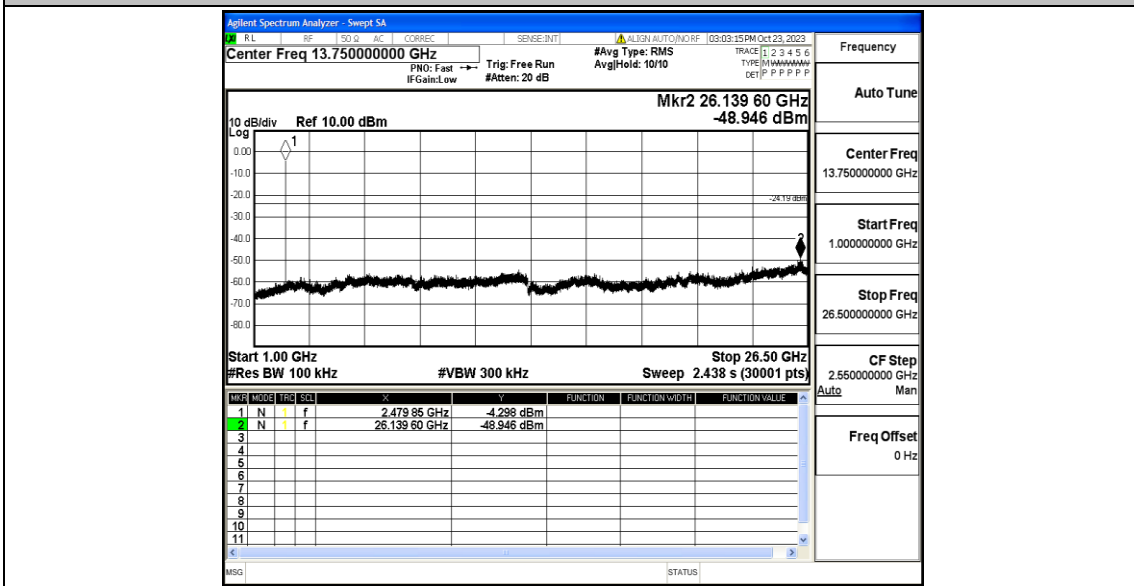
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

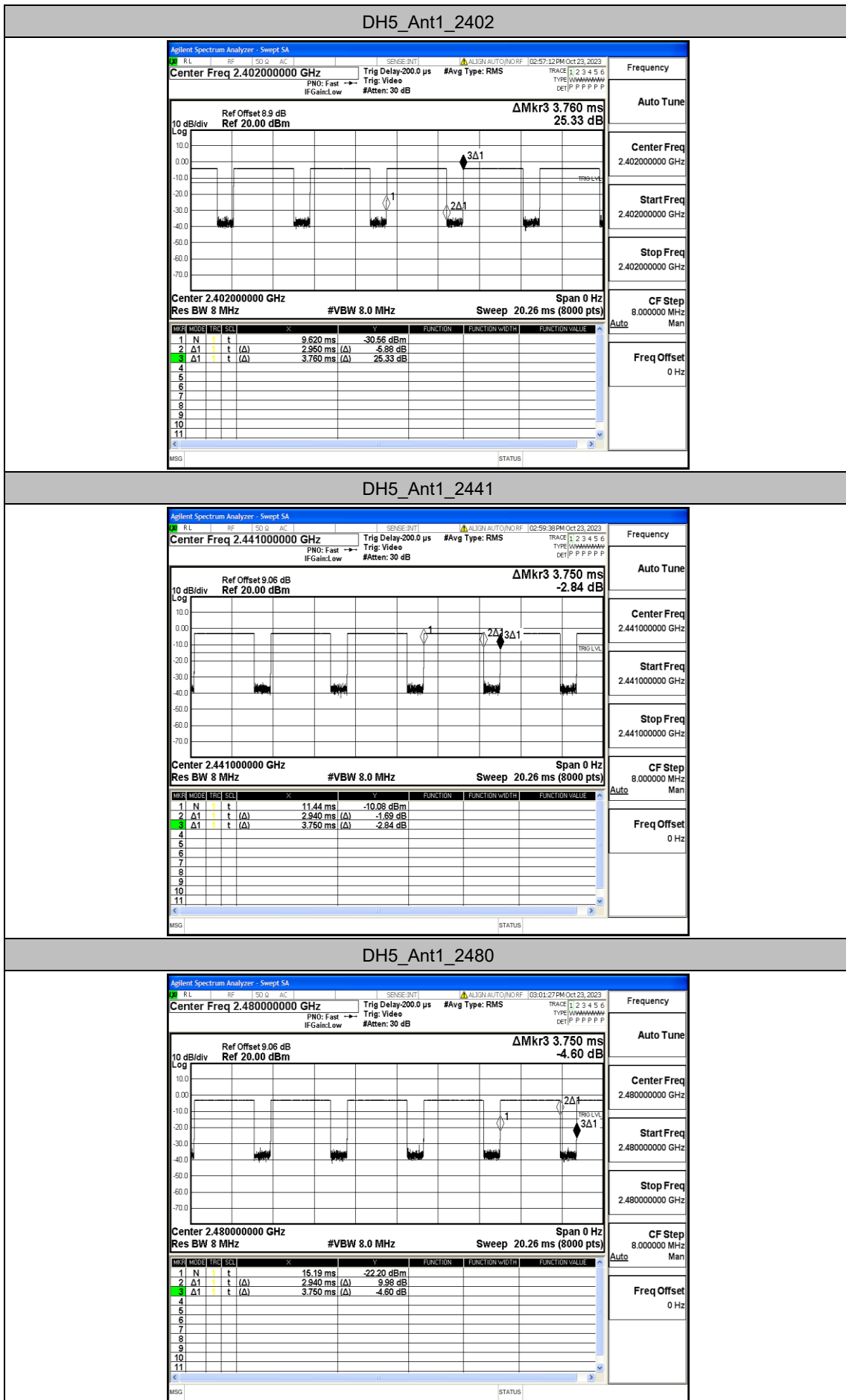


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.95	3.76	78.46	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	-49.55	≤-41.20	PASS
				AV	2387.990	-49.13	≤-41.20	PASS
				AV	2390.000	-49.29	≤-41.20	PASS
				Peak	2310.000	-41.53	≤-21.20	PASS
				Peak	2383.370	-39.33	≤-21.20	PASS
				Peak	2390.000	-42.07	≤-21.20	PASS
		High	2480	AV	2483.500	-48.49	≤-41.20	PASS
				AV	2499.600	-48.39	≤-41.20	PASS
				AV	2500.000	-48.57	≤-41.20	PASS
				Peak	2483.500	-41.73	≤-21.20	PASS
				Peak	2485.200	-39.06	≤-21.20	PASS
				Peak	2500.000	-41.18	≤-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

