

Appendix A

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

Product Name: Stereo 2-in-1 audio adapter

Trade Mark: N/A

Test Model: T14

FCC ID: 2A4WAT14

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

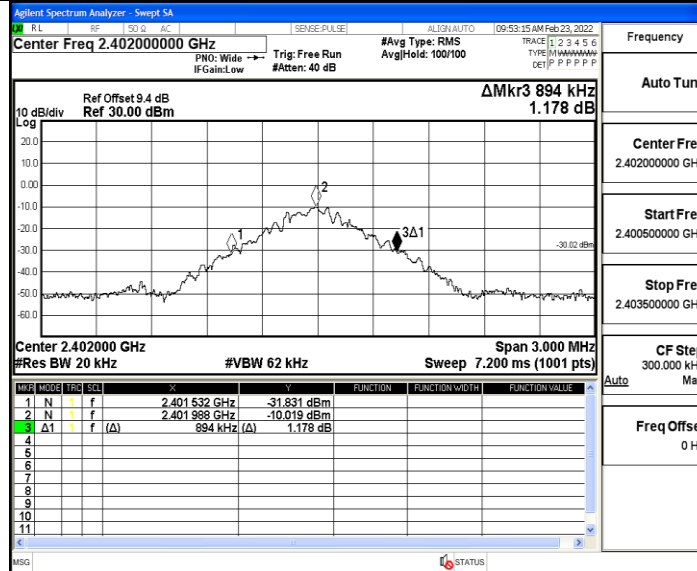
Appendix A: 20dB Emission Bandwidth

Test Result

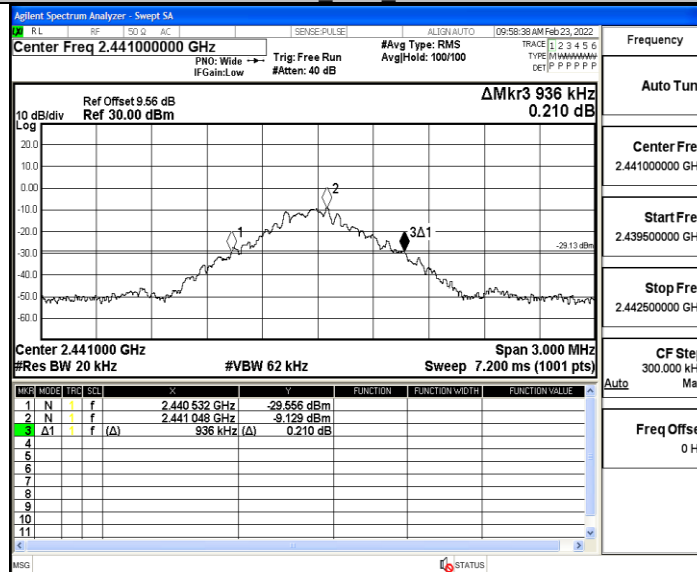
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.894	2401.532	2402.426	---	PASS
		2441	0.936	2440.532	2441.468	---	PASS
		2480	0.942	2479.532	2480.474	---	PASS
2DH5	Ant1	2402	1.359	2401.316	2402.675	---	PASS
		2441	1.269	2440.358	2441.627	---	PASS
		2480	1.311	2479.334	2480.645	---	PASS

Test Graphs

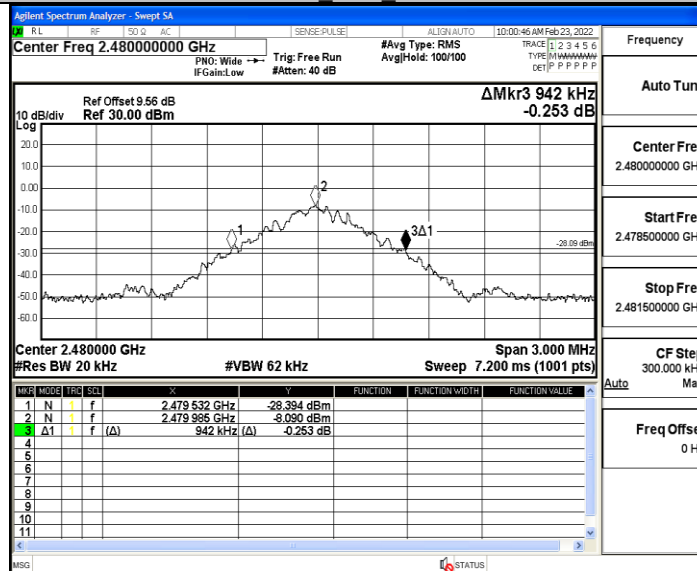
DH5_Ant1_2402



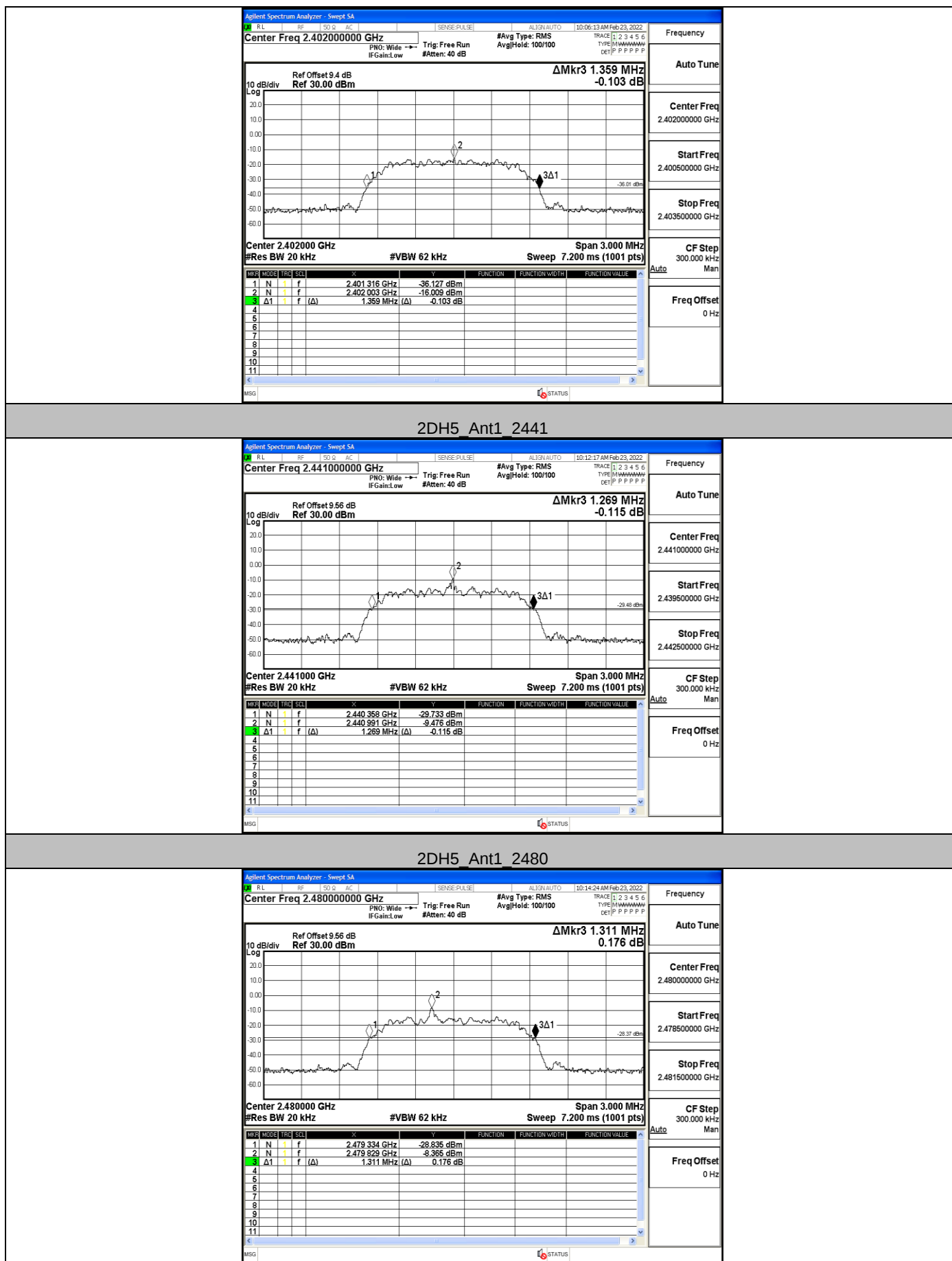
DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



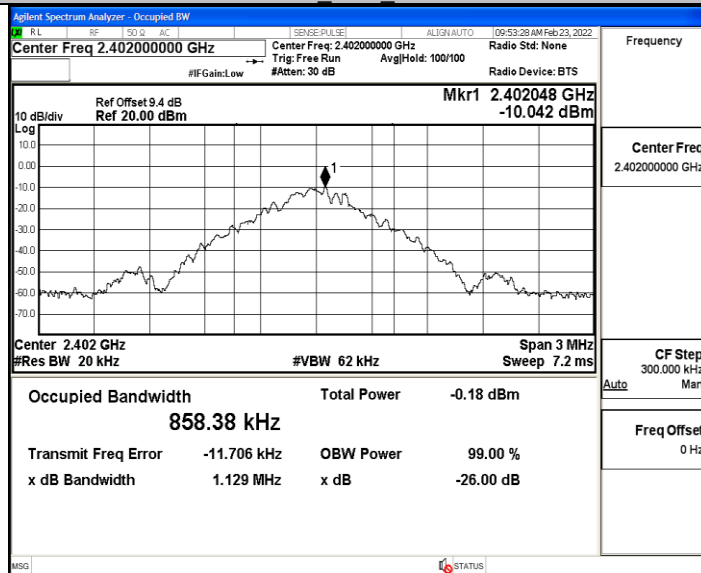
Appendix B: Occupied Channel Bandwidth

Test Result

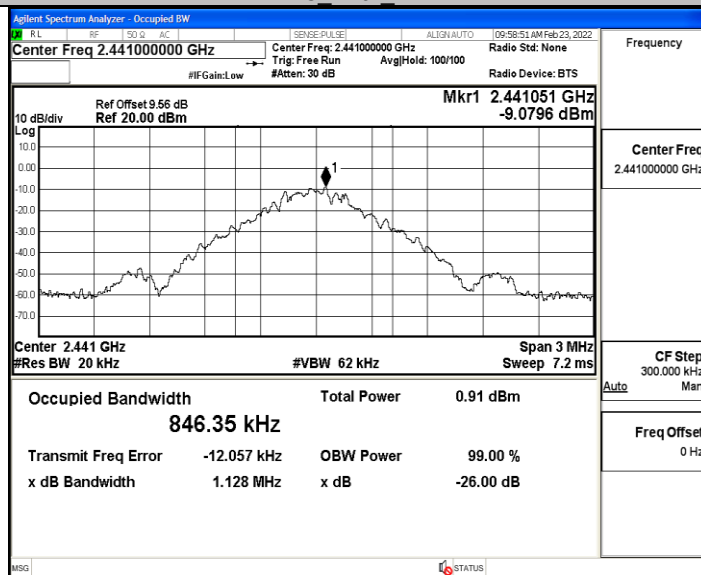
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85838	2401.559	2402.417	---	PASS
		2441	0.84635	2440.565	2441.411	---	PASS
		2480	0.85478	2479.559	2480.414	---	PASS
2DH5	Ant1	2402	1.1796	2401.399	2402.579	---	PASS
		2441	1.1795	2440.399	2441.579	---	PASS
		2480	1.1791	2479.400	2480.579	---	PASS

Test Graphs

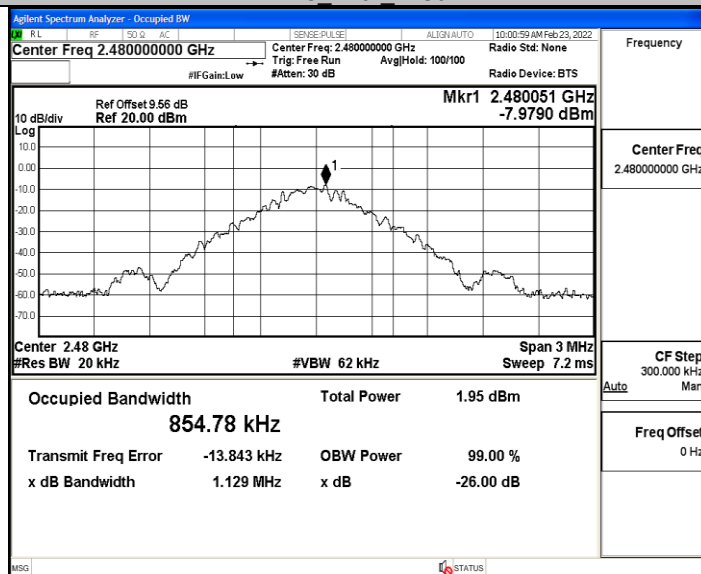
DH5_Ant1_2402



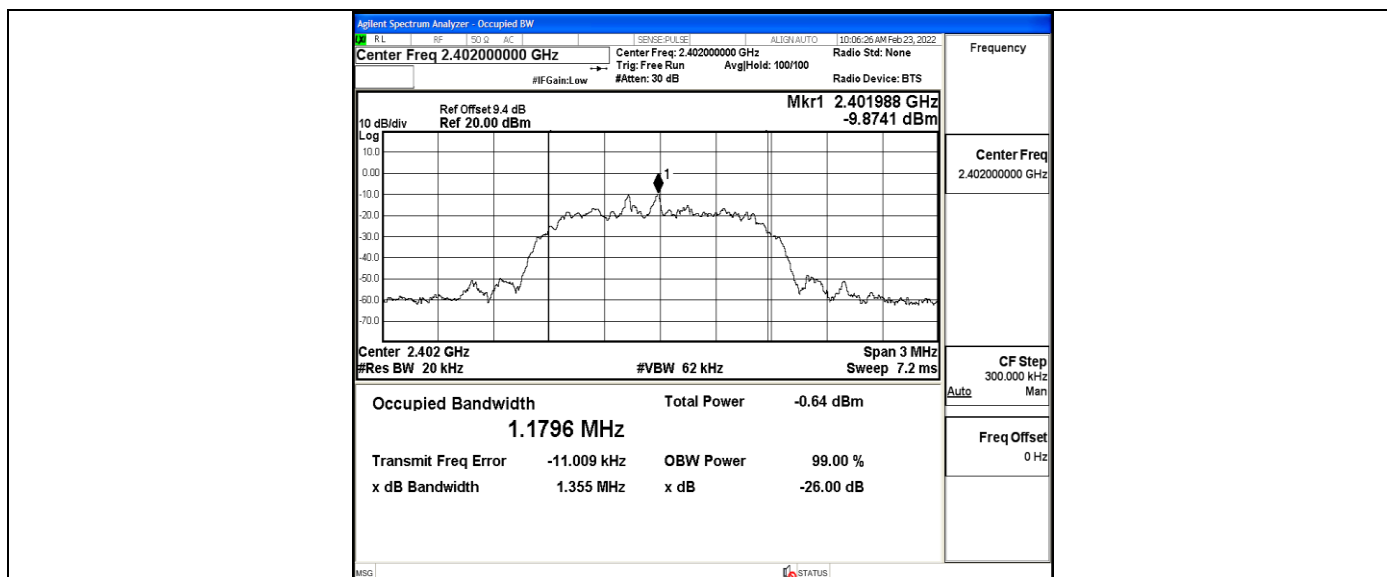
DH5_Ant1_2441



DH5_Ant1_2480



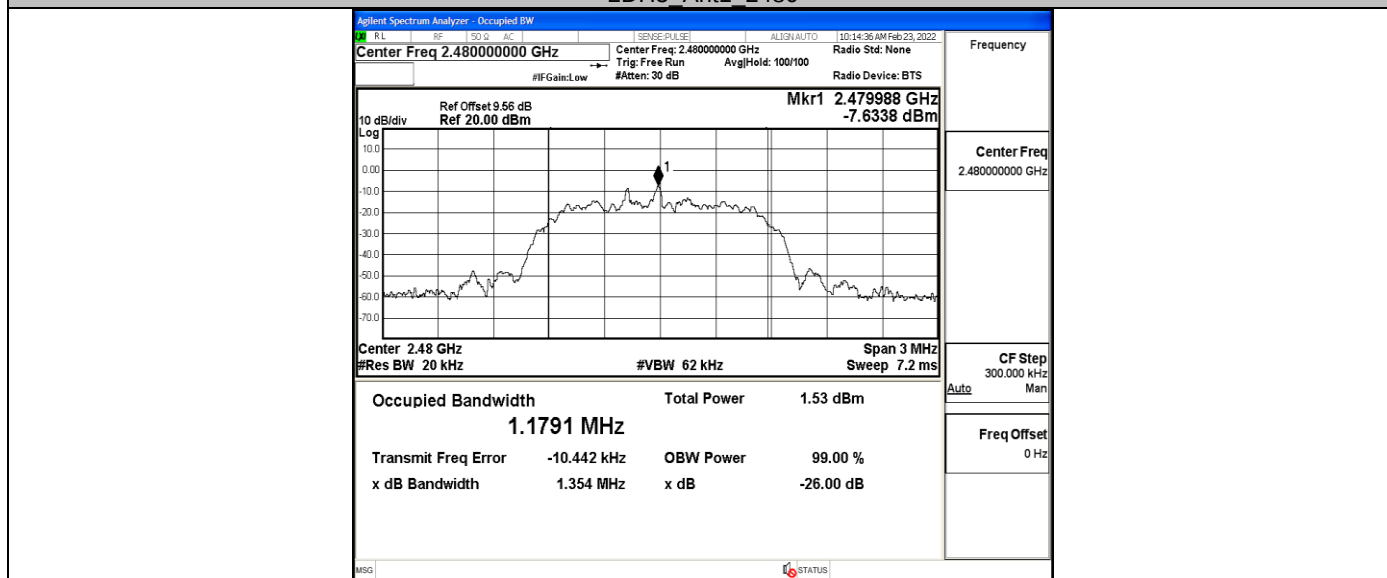
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

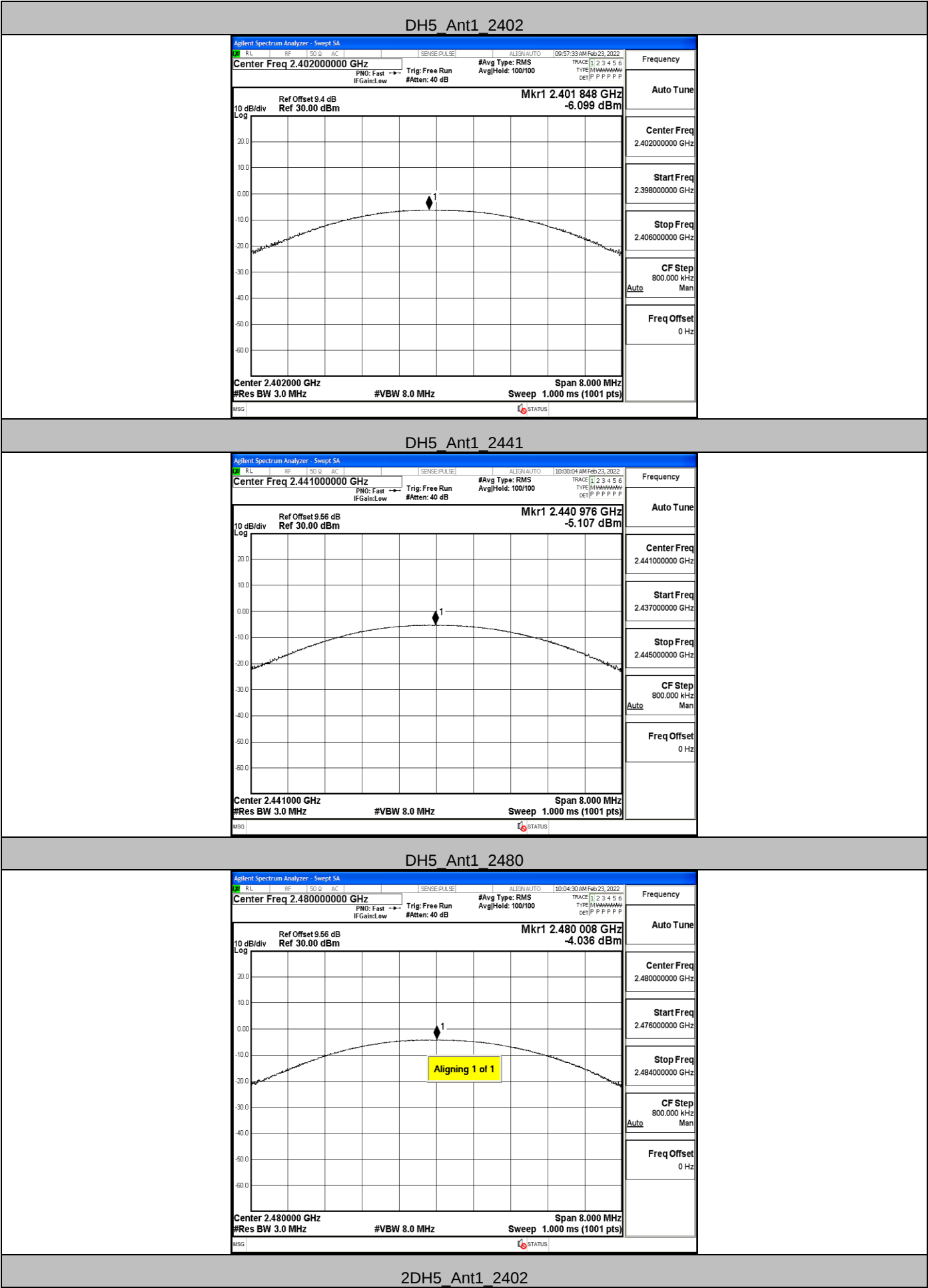


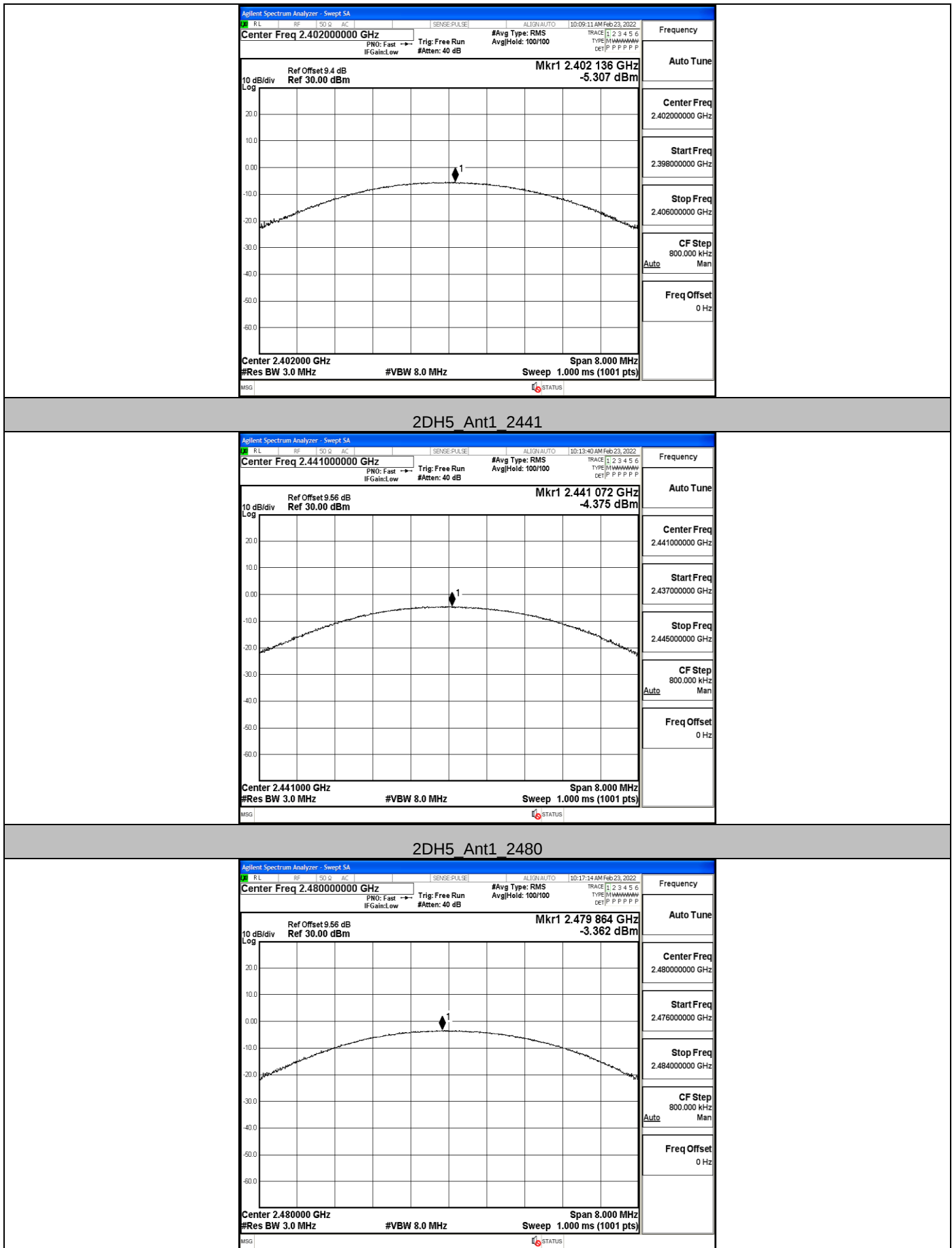
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-6.1	<=30.00	PASS
		2441	-5.11	<=30.00	PASS
		2480	-4.04	<=30.00	PASS
2DH5	Ant1	2402	-5.31	<=20.97	PASS
		2441	-4.38	<=20.97	PASS
		2480	-3.36	<=20.97	PASS

Test Graphs



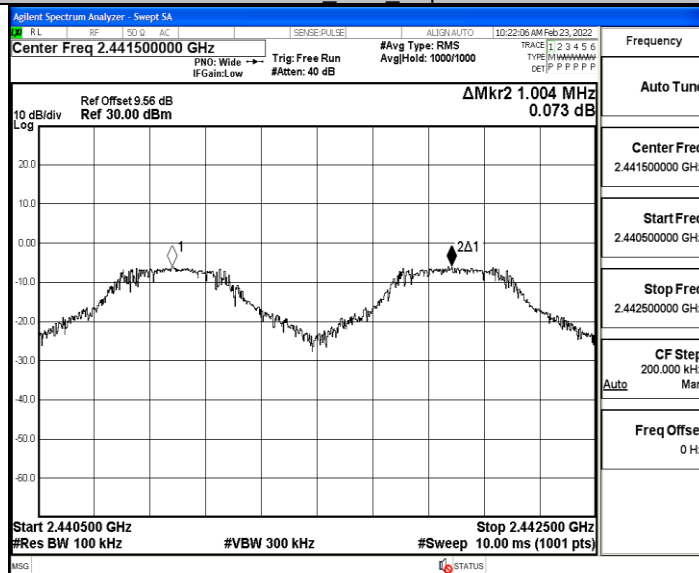


Appendix D: Carrier frequency separation

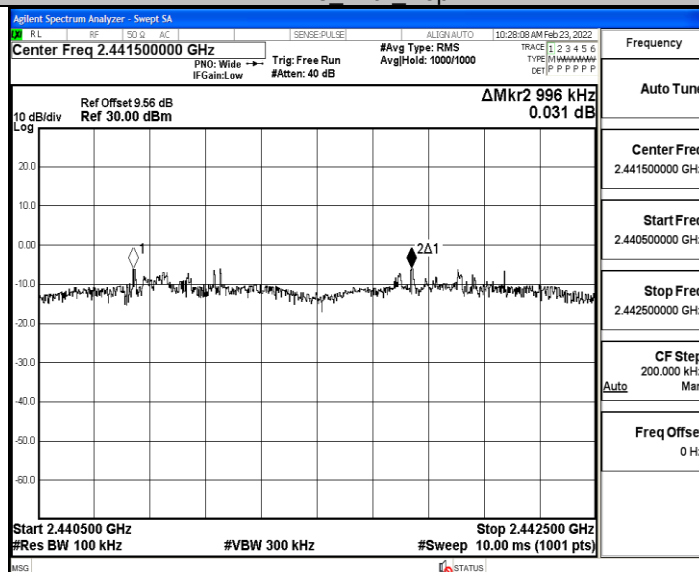
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.942	PASS
2DH5	Ant1	Hop	0.996	≥ 0.906	PASS

DH5_Ant1_Hop



2DH5_Ant1_Hop

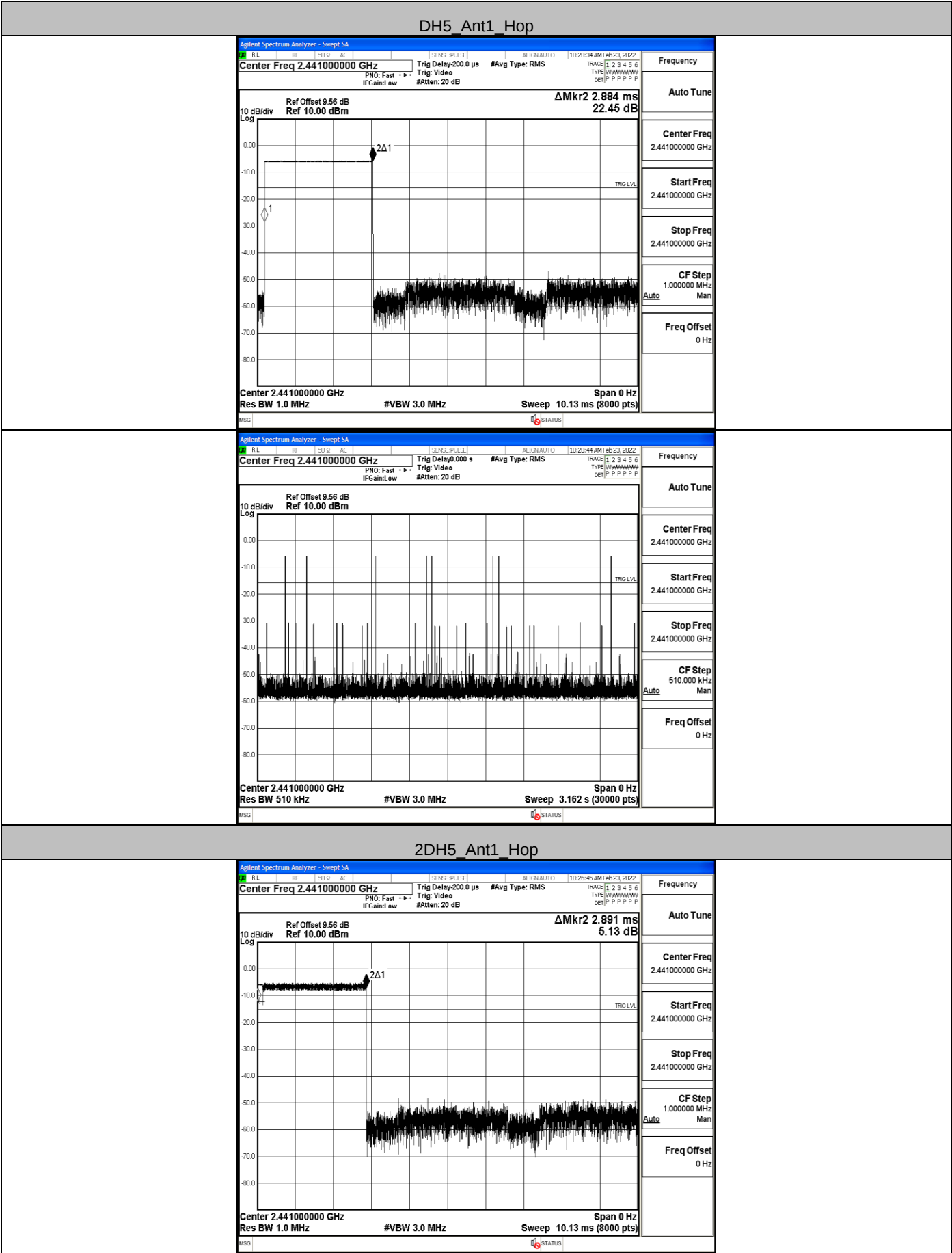


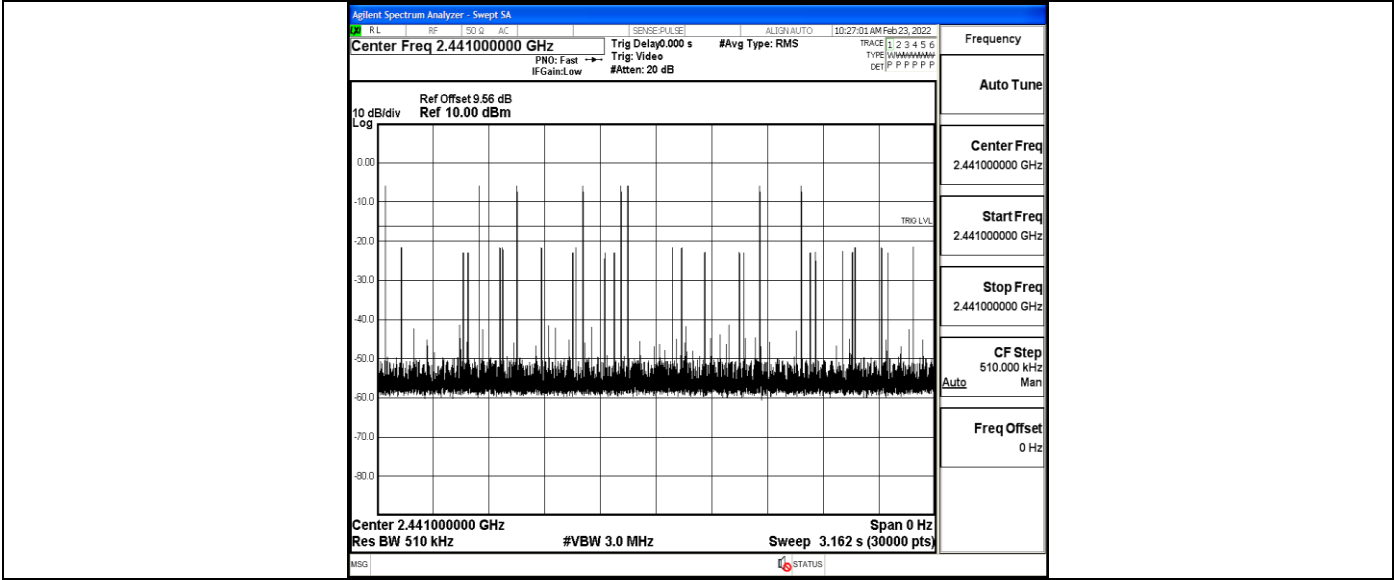
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	90	0.26	≤ 0.4	PASS
2DH5	Ant1	Hop	2.89	100	0.289	≤ 0.4	PASS

Test Graphs



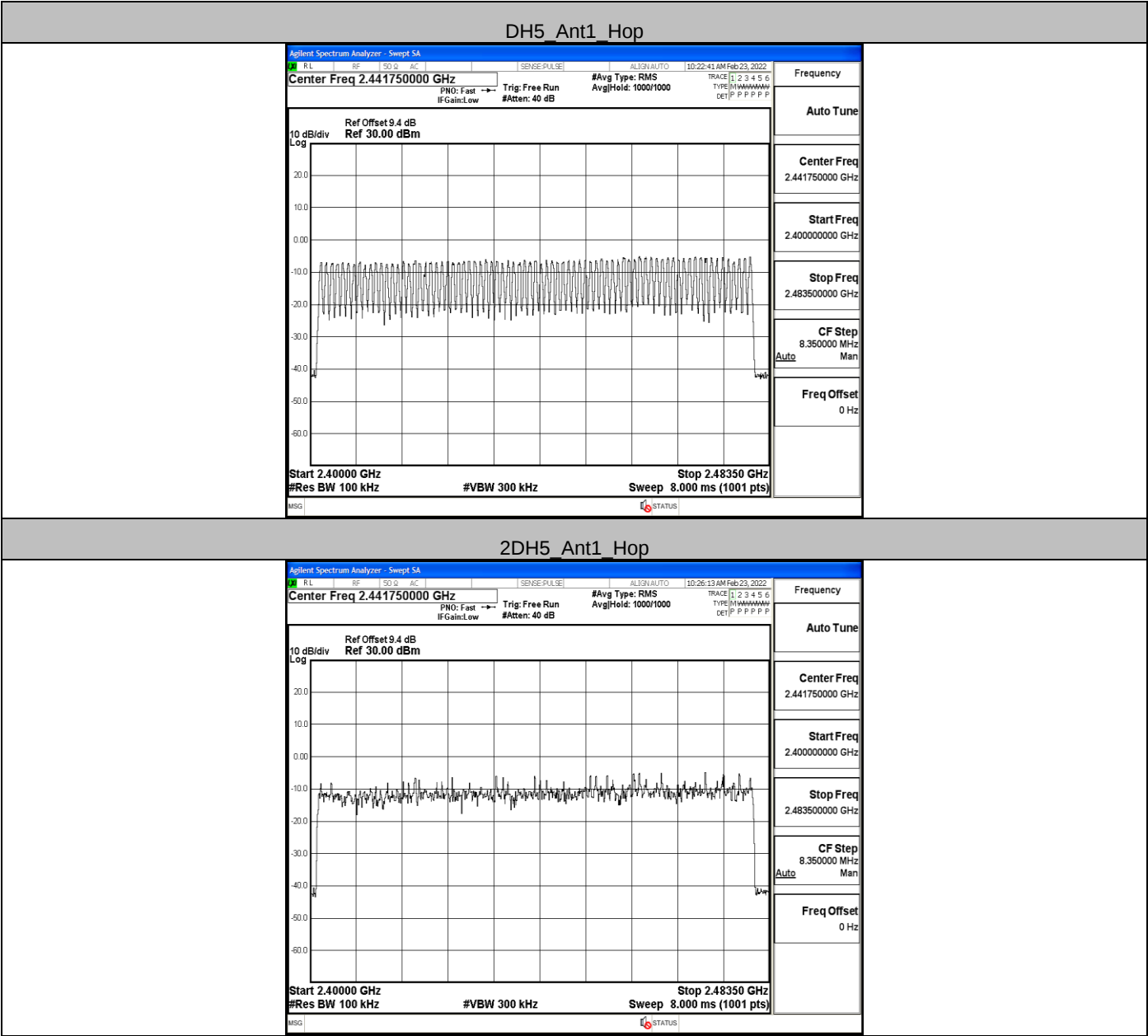


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS

Test Graphs



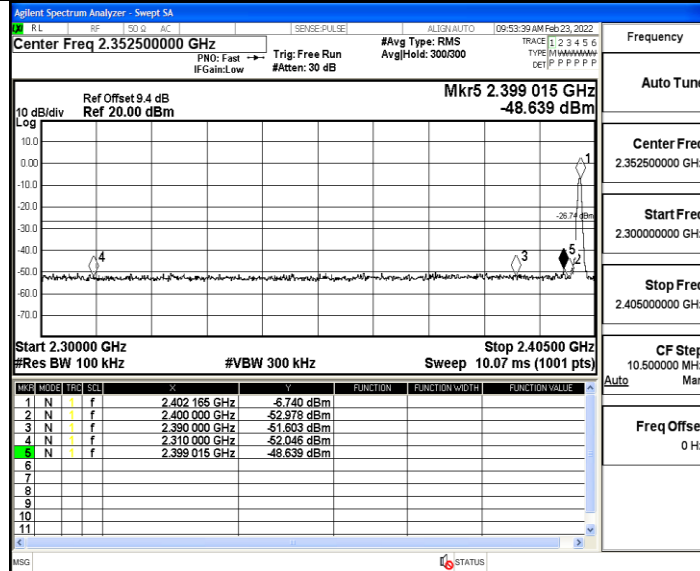
Appendix G: Band edge measurements

Test Result

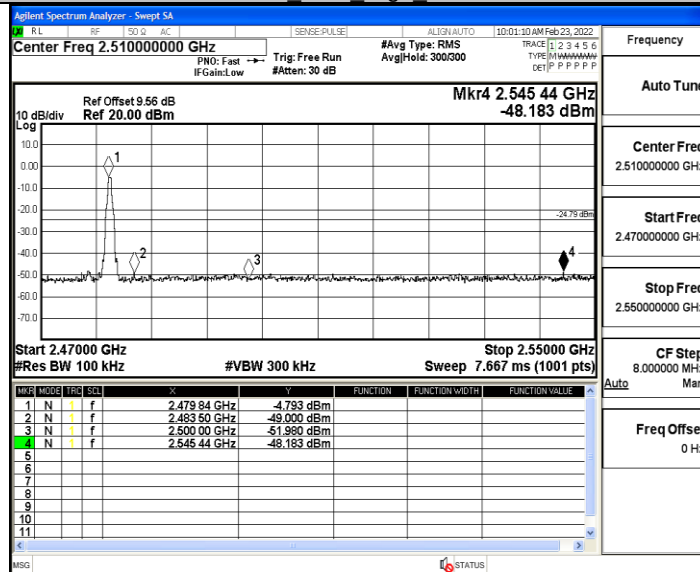
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-6.74	-48.64	≤ -26.74	PASS
		High	2480	-4.79	-48.18	≤ -24.79	PASS
		Low	Hop_2402	-7.44	-50.49	≤ -27.44	PASS
		High	Hop_2480	-5.02	-49.26	≤ -25.02	PASS
2DH5	Ant1	Low	2402	-6.74	-50.09	≤ -26.74	PASS
		High	2480	-4.62	-48.74	≤ -24.62	PASS
		Low	Hop_2402	-9.18	-50.17	≤ -29.18	PASS
		High	Hop_2480	-5.05	-49.48	≤ -25.05	PASS

Test Graphs

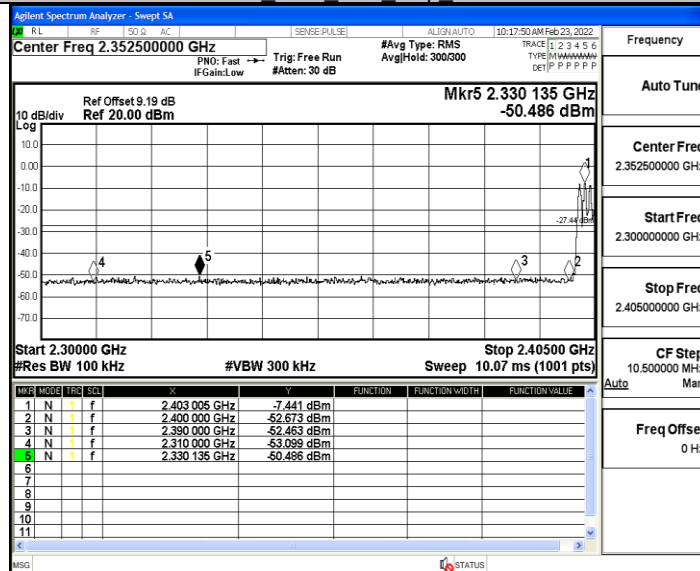
DH5_Ant1_Low_2402



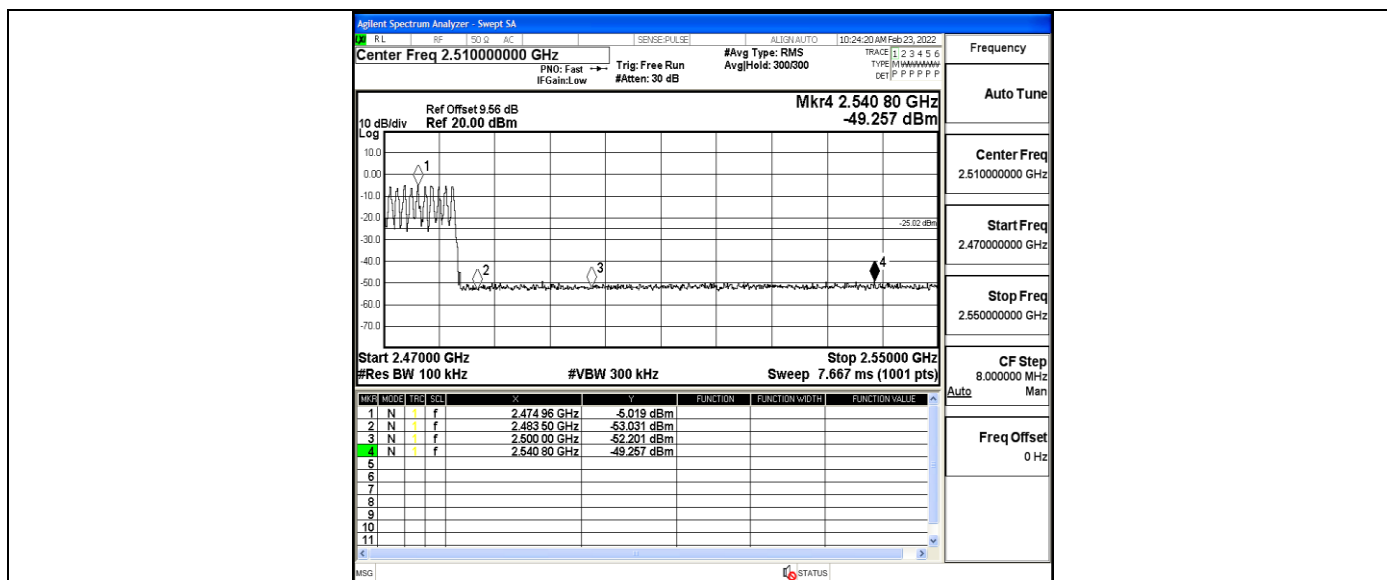
DH5_Ant1_High_2480



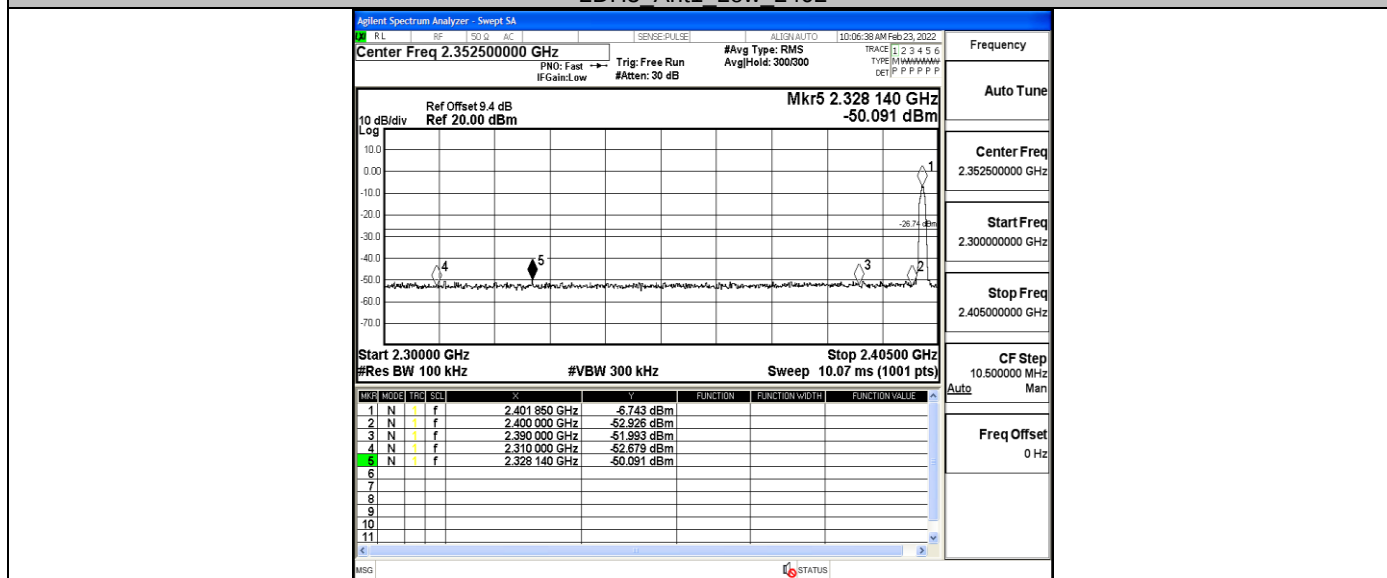
DH5_Ant1_Low_Hop_2402



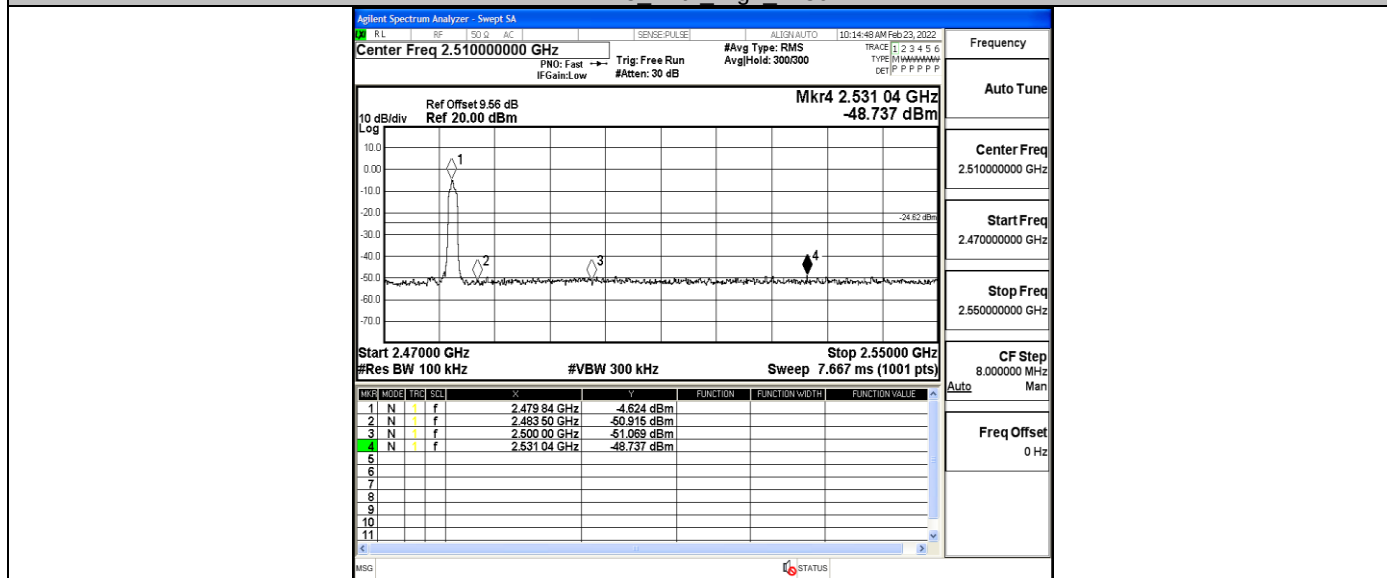
DH5_Ant1_High_Hop_2480



2DH5 Ant1 Low 2402



2DH5 Ant1 High 2480



2DH5 Ant1 Low Hop 2402

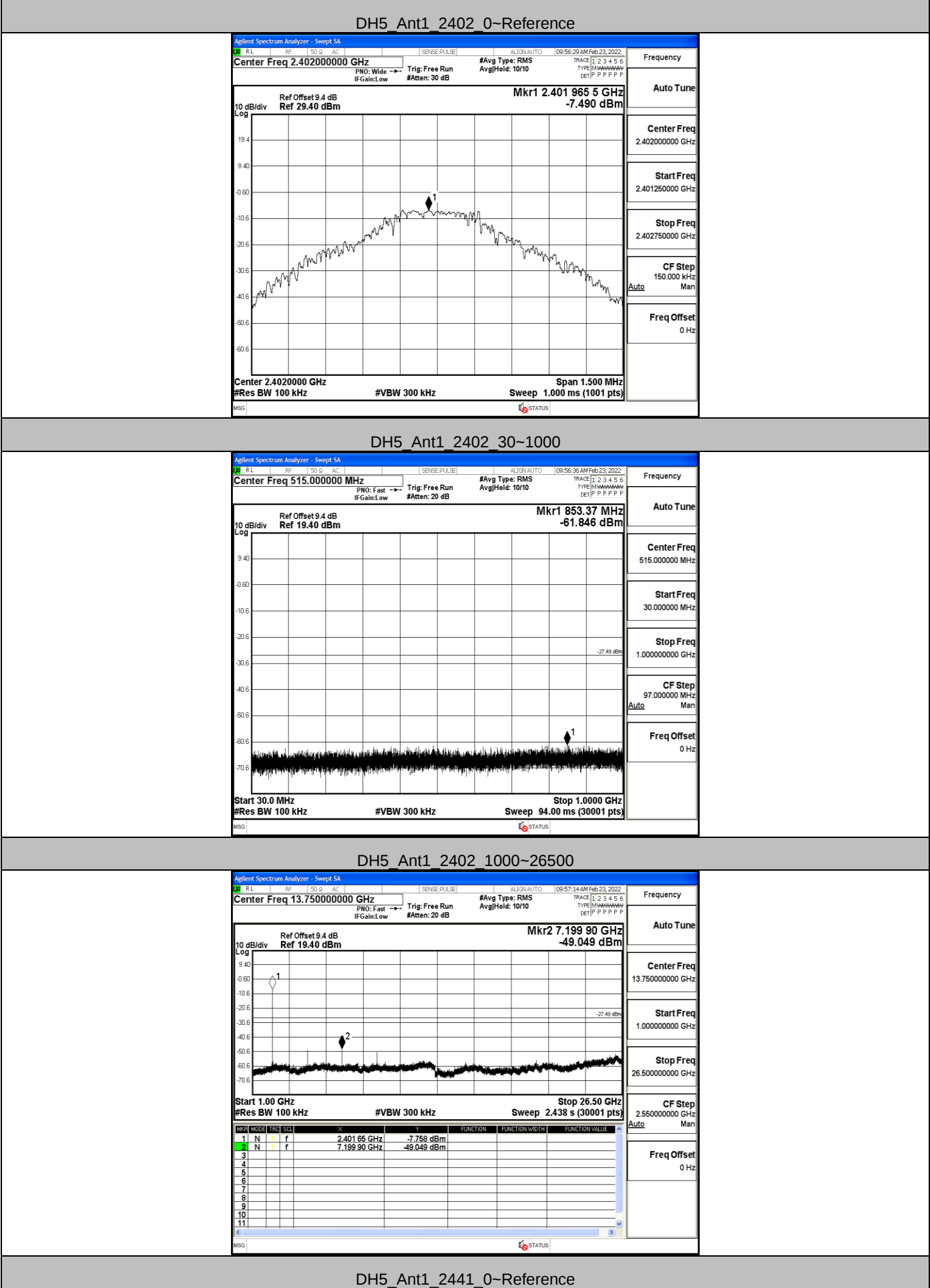


Appendix H: Conducted Spurious Emission

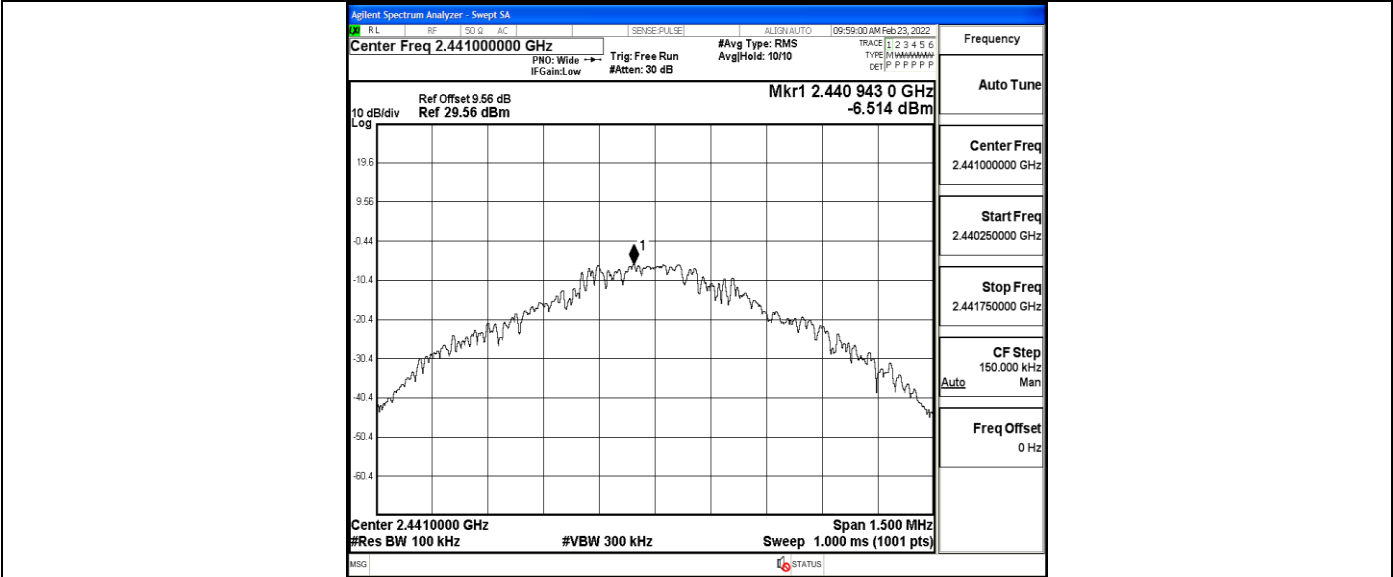
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-7.49	-7.49	---	PASS
			30~1000	-7.49	-61.85	≤-27.49	PASS
			1000~26500	-7.49	-49.05	≤-27.49	PASS
		2441	Reference	-6.51	-6.51	---	PASS
			30~1000	-6.51	-61.49	≤-26.51	PASS
			1000~26500	-6.51	-47.85	≤-26.51	PASS
		2480	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-59.96	≤-25.28	PASS
			1000~26500	-5.28	-46.58	≤-25.28	PASS
2DH5	Ant1	2402	Reference	-6.90	-6.90	---	PASS
			30~1000	-6.90	-61.48	≤-26.9	PASS
			1000~26500	-6.90	-51.12	≤-26.9	PASS
		2441	Reference	-7.28	-7.28	---	PASS
			30~1000	-7.28	-61.26	≤-27.28	PASS
			1000~26500	-7.28	-48.21	≤-27.28	PASS
		2480	Reference	-5.81	-5.81	---	PASS
			30~1000	-5.81	-61.18	≤-25.81	PASS
			1000~26500	-5.81	-45.82	≤-25.81	PASS

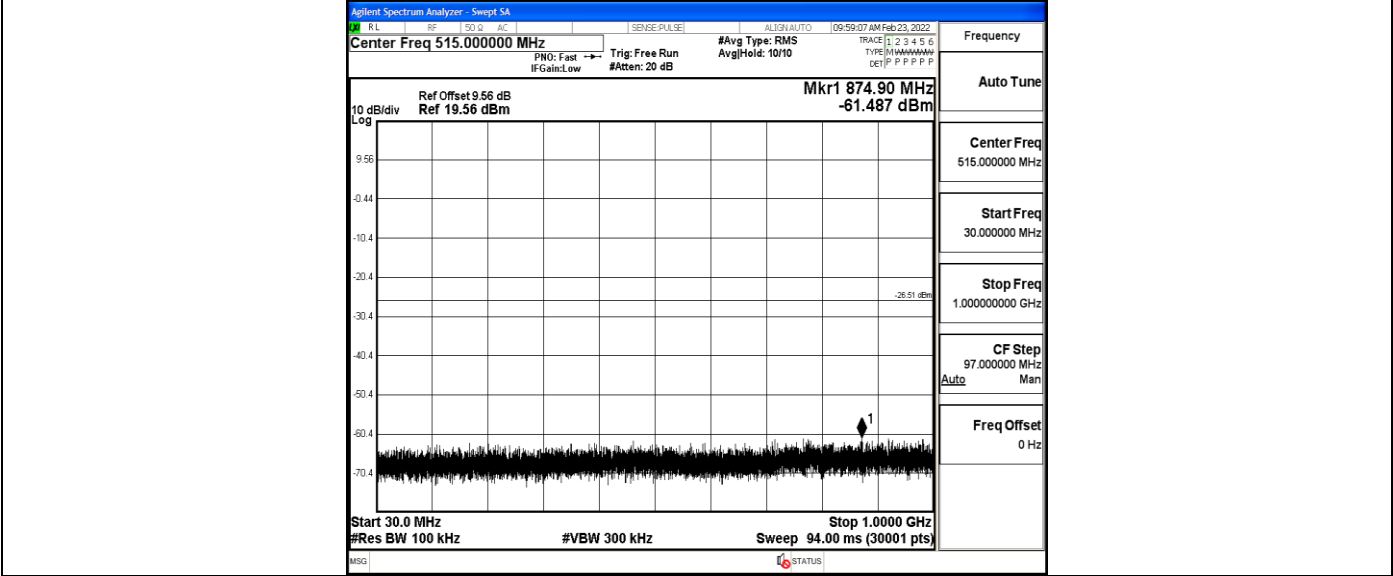
Test Graphs



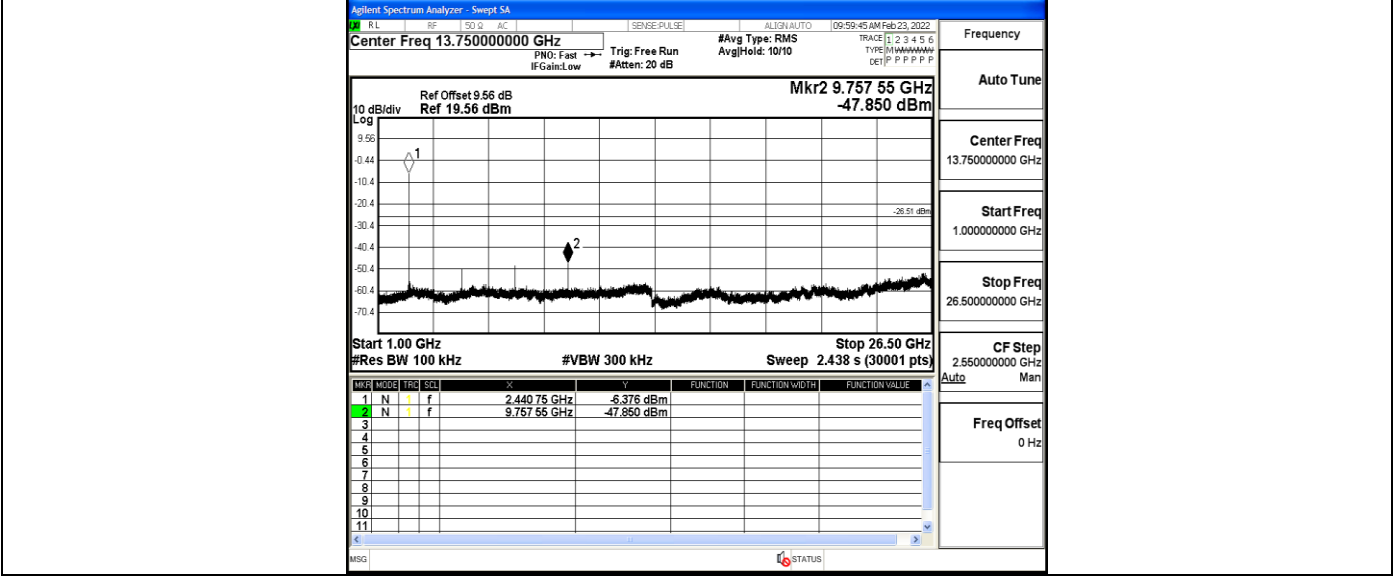
DH5_Ant1_2441_0-Reference



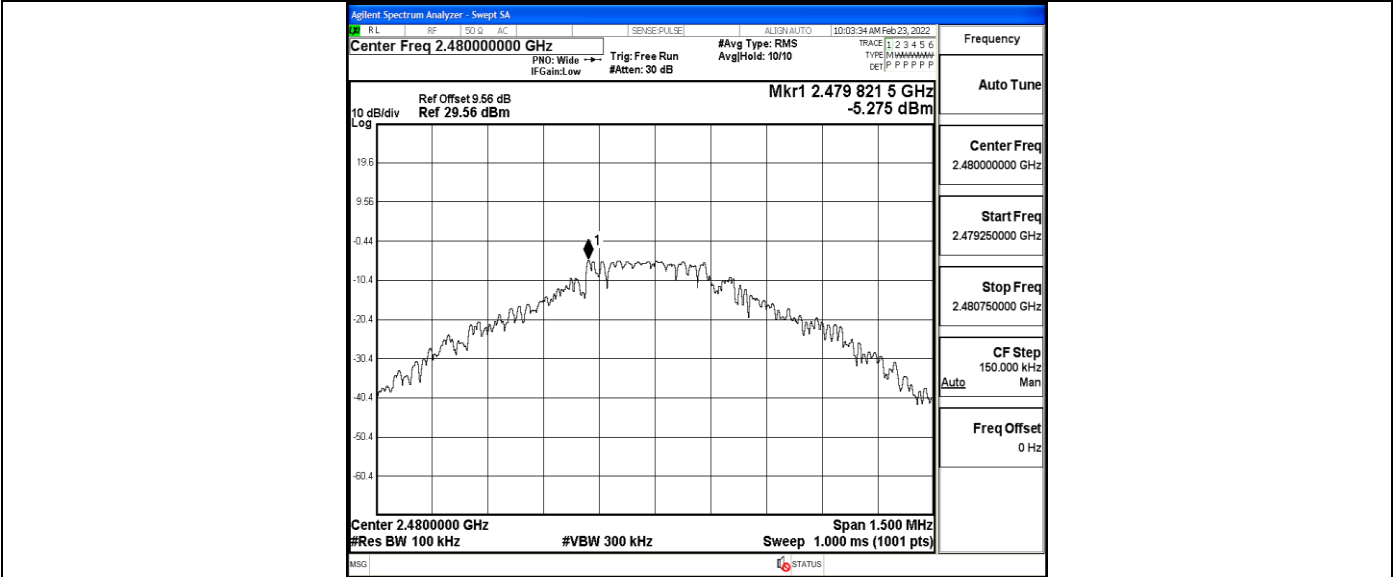
DH5_Ant1_2441_30~1000



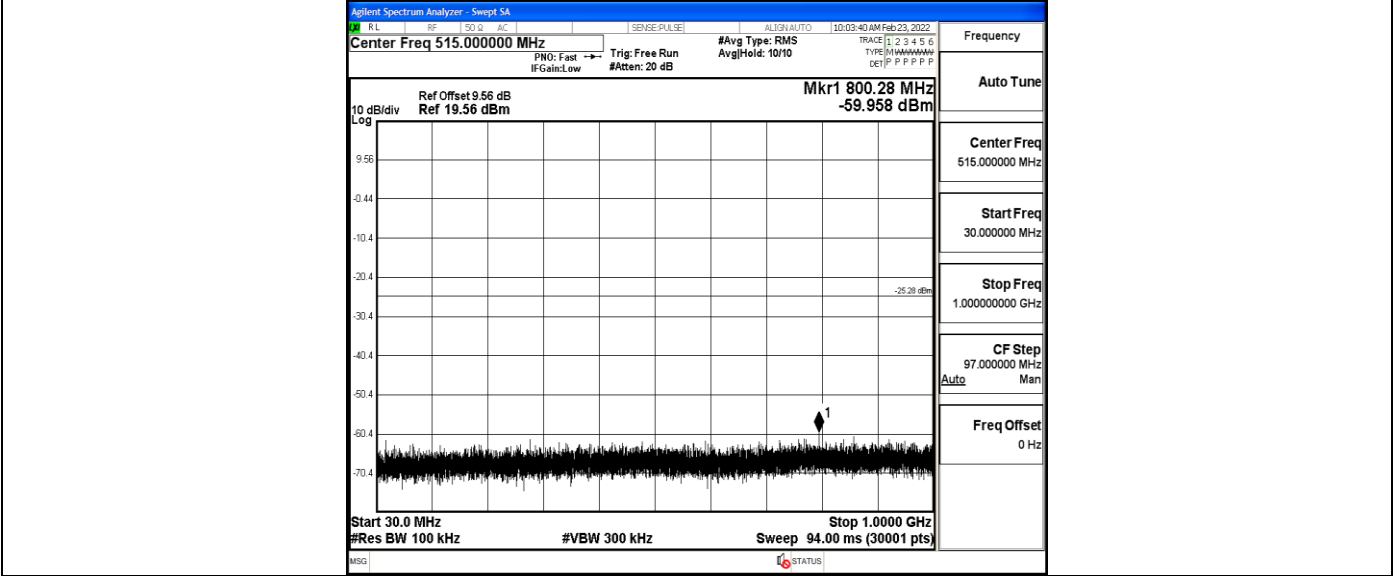
DH5_Ant1_2441_1000~26500



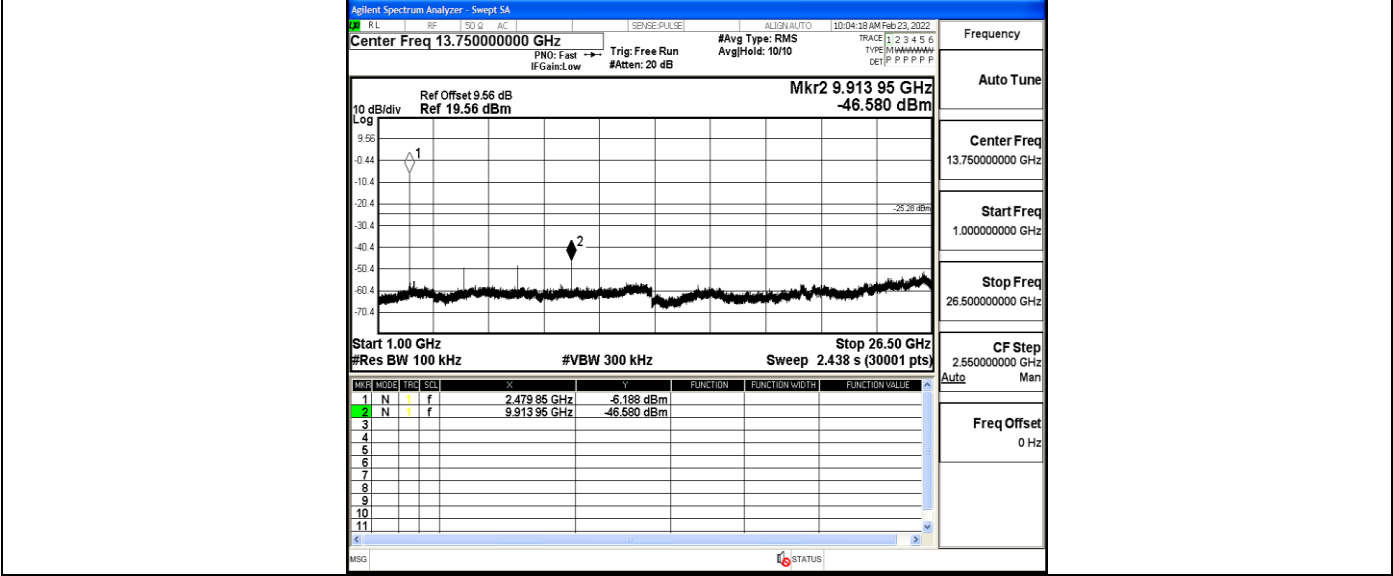
DH5_Ant1_2480_0~Reference



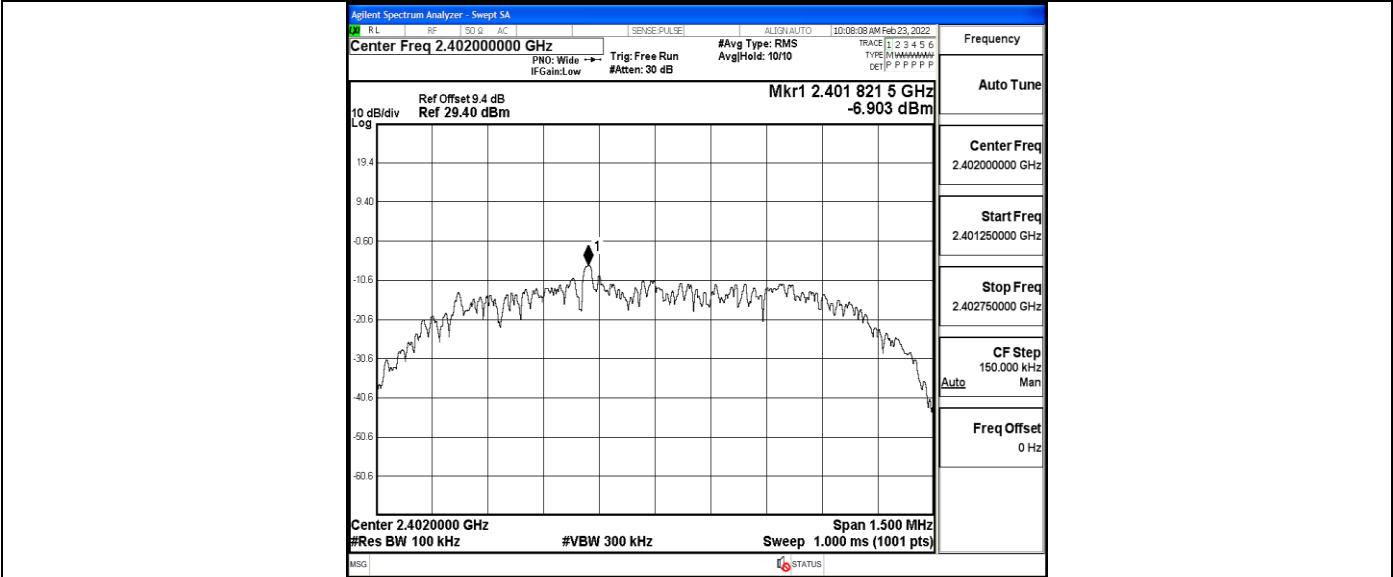
DH5 Ant1 2480 30~1000



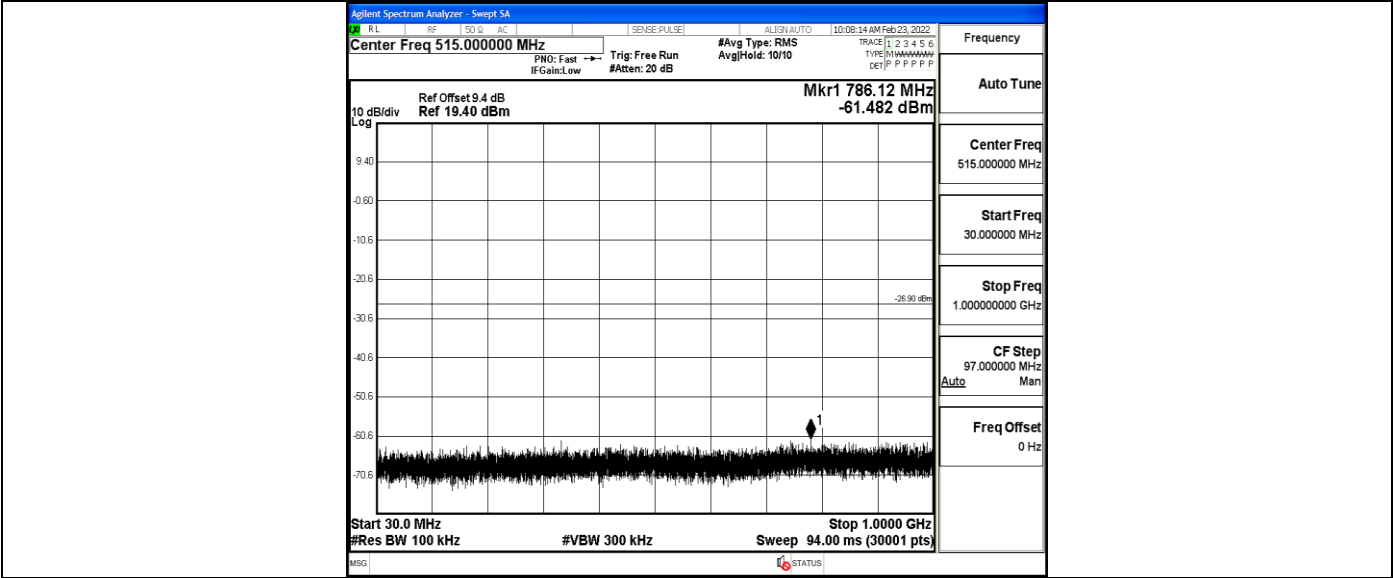
DH5 Ant1 2480 1000~26500



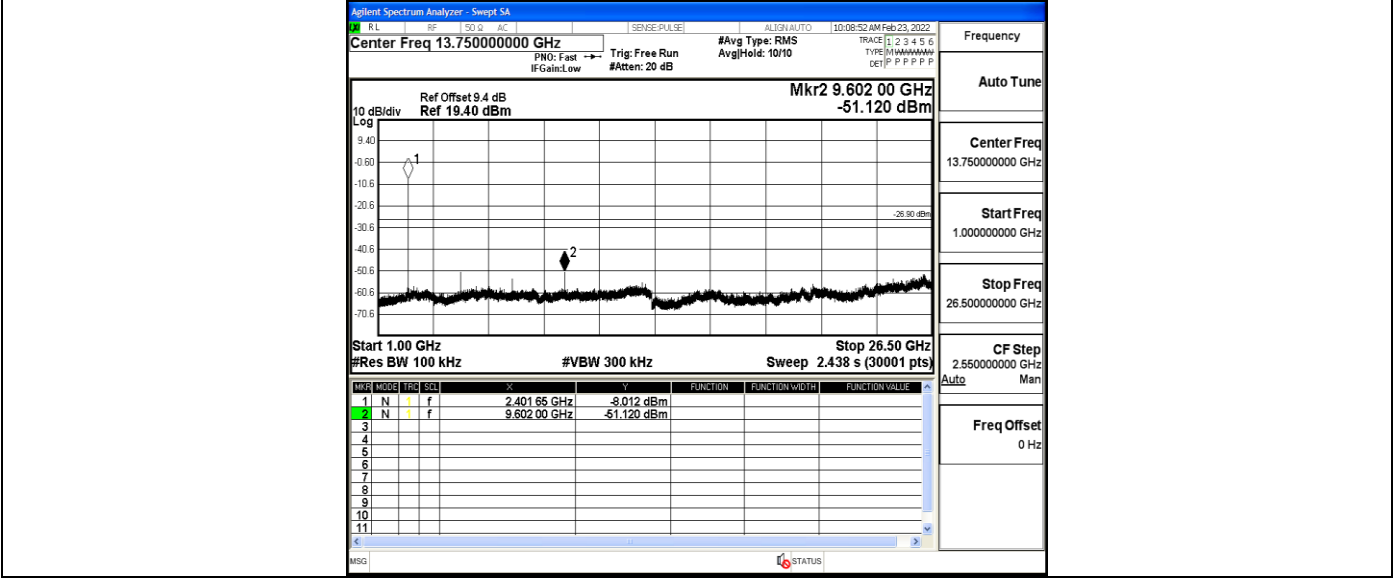
2DH5 Ant1 2402 0~Reference



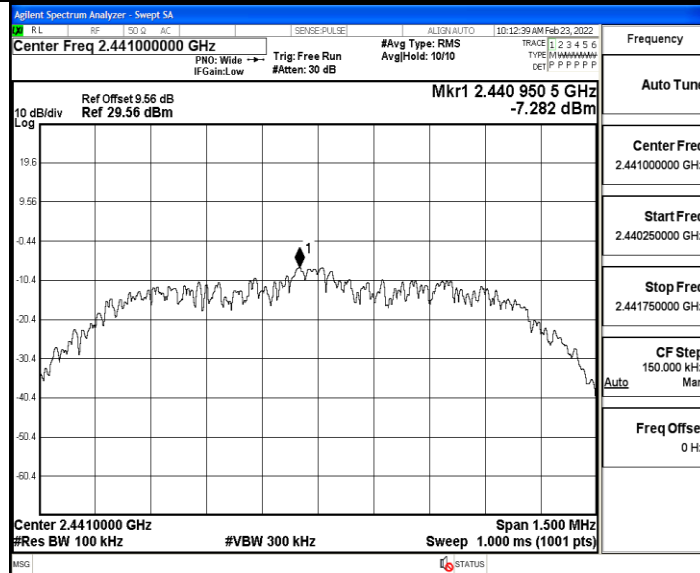
2DH5_Ant1_2402_30~1000



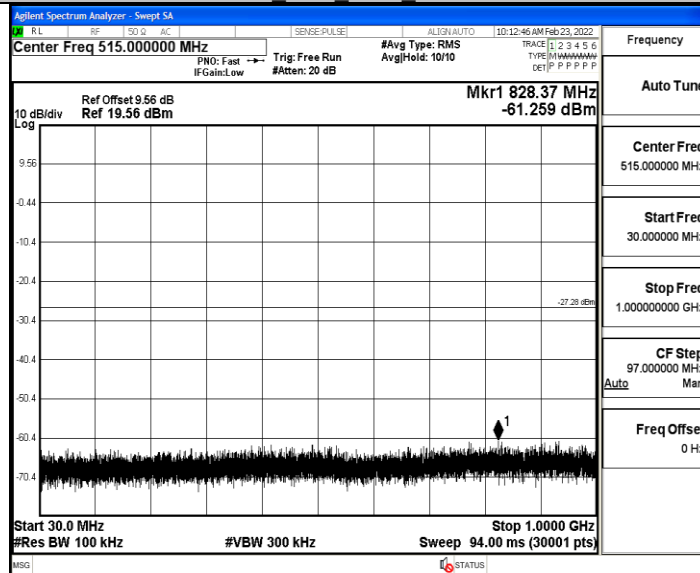
2DH5_Ant1_2402_1000~26500



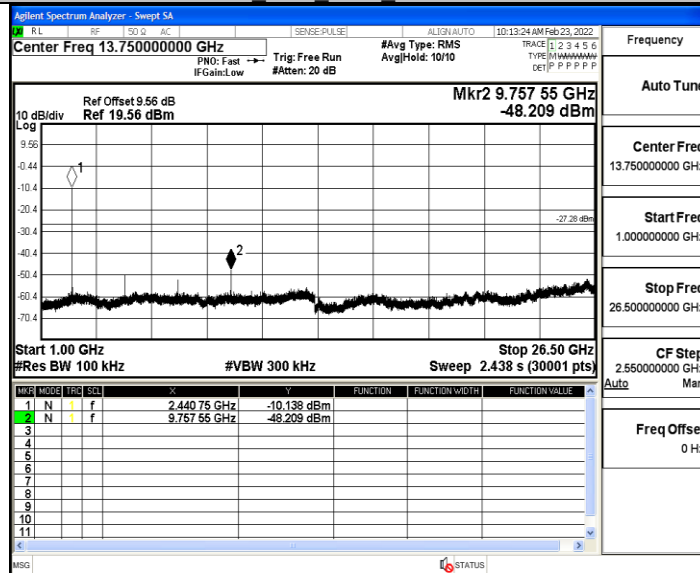
2DH5_Ant1_2441_0~Reference



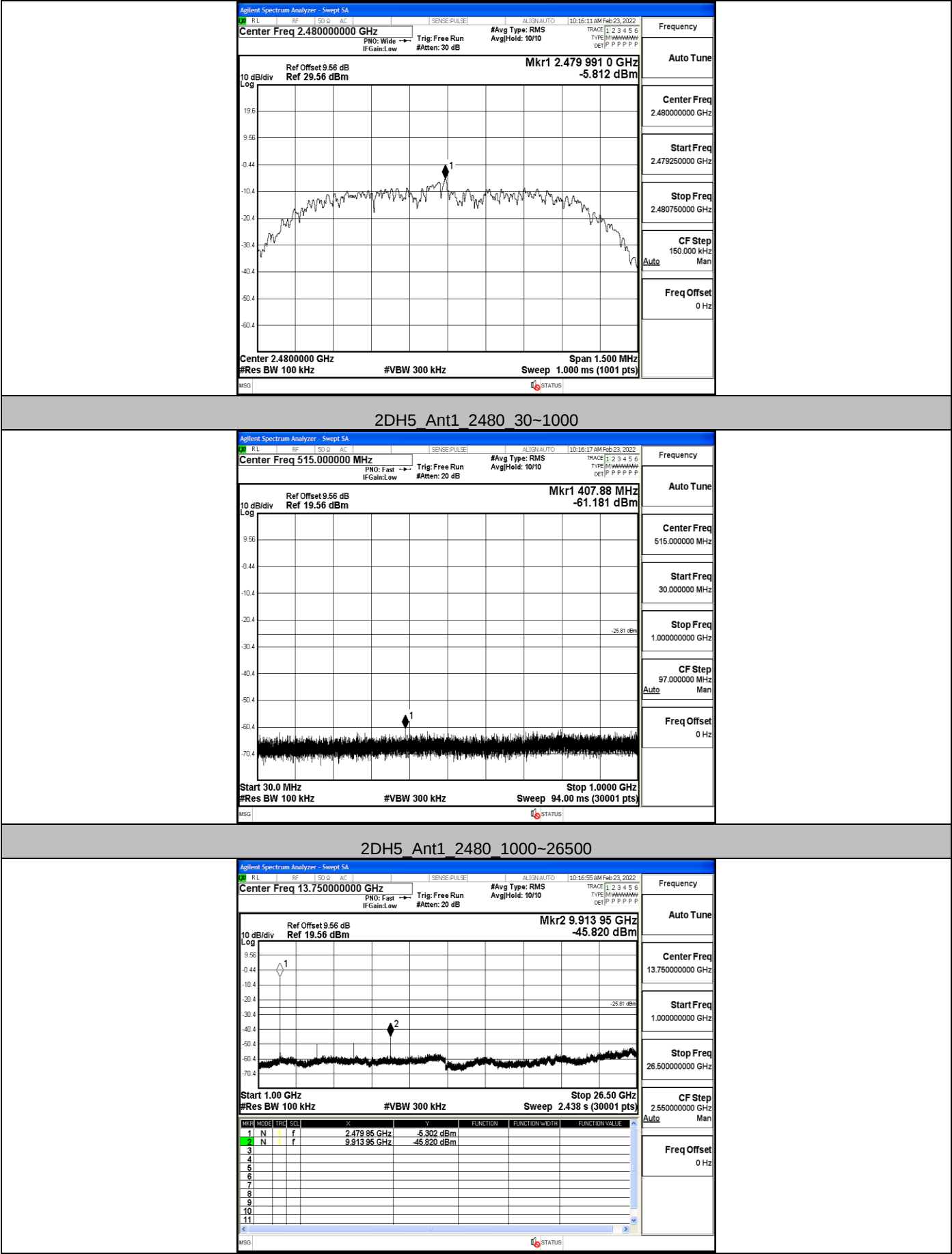
2DH5 Ant1 2441 30~1000



2DH5 Ant1 2441 1000~26500



2DH5 Ant1 2480 0~Reference



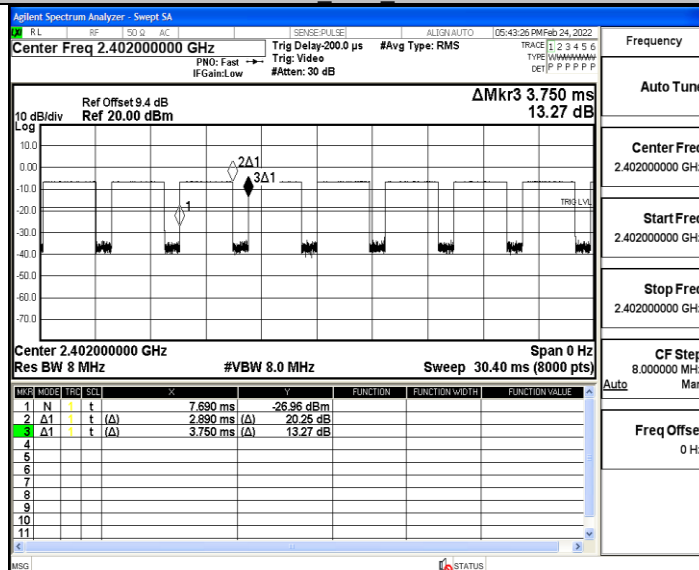
Appendix I: Duty Cycle

Test Result

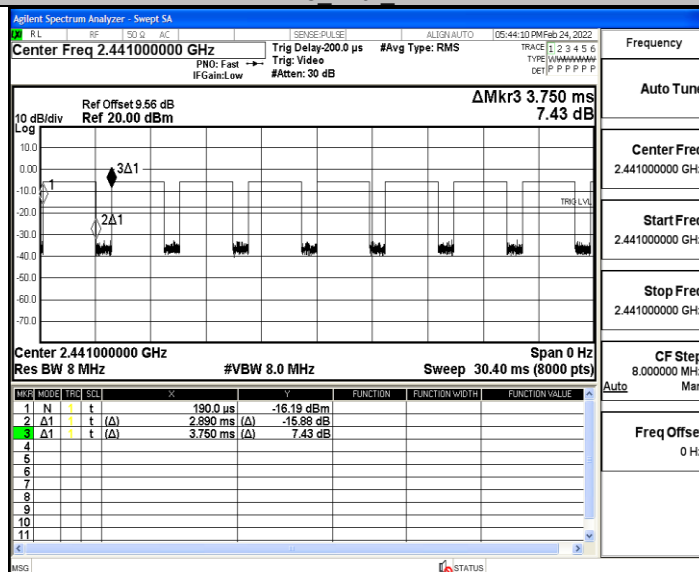
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [kHz]
DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.89	3.75	77.07	0.35
2DH5	Ant1	2402	2.90	3.75	77.33	0.34
		2441	2.89	3.75	77.07	0.35
		2480	2.90	3.75	77.33	0.34
3DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.89	3.75	77.07	0.35

Test Graphs

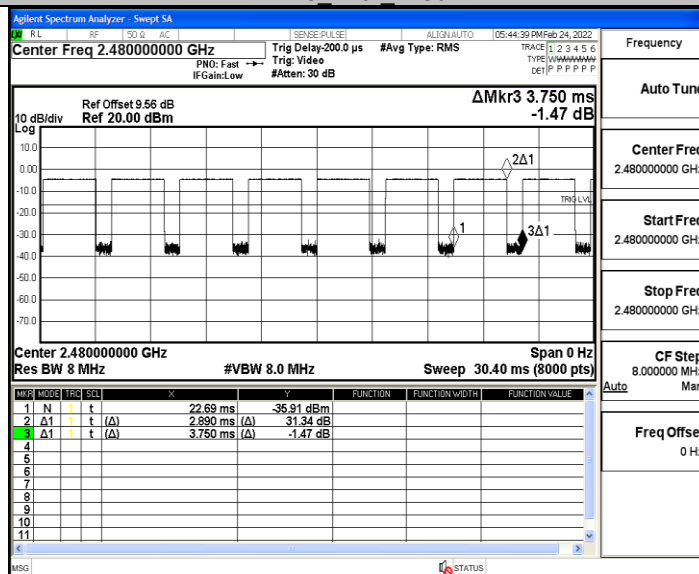
DH5_Ant1_2402



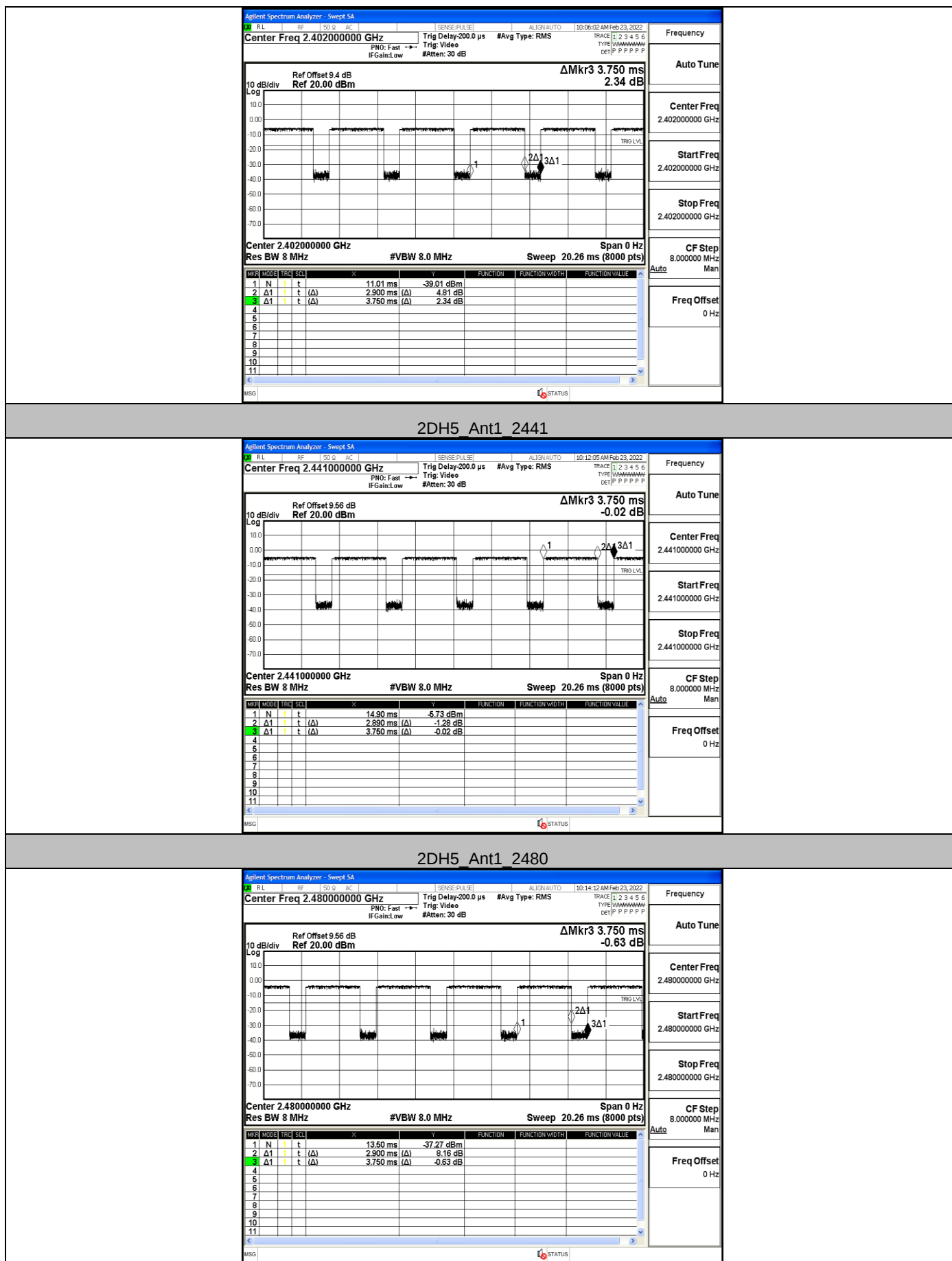
DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



Appendix J: Emissions in Restricted Bands

Test Result

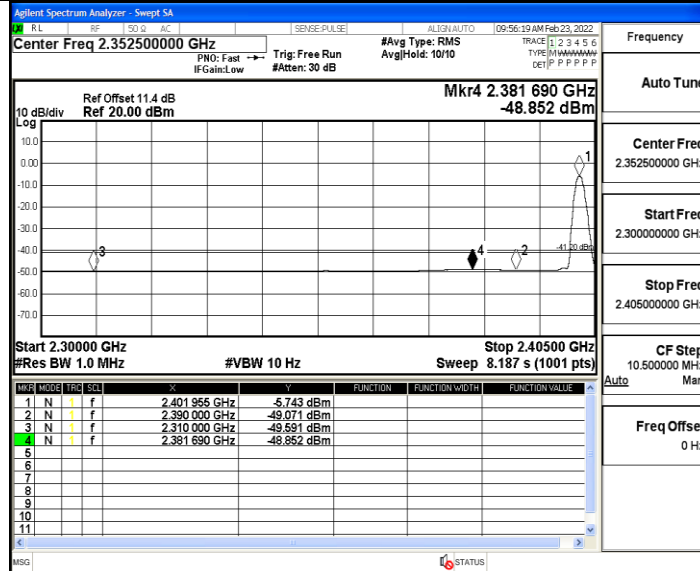
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.59	≤-41.20	PASS
				AV	2381.690	-48.85	≤-41.20	PASS
				AV	2390.000	-49.07	≤-41.20	PASS
				Peak	2310.000	-46.24	≤-21.20	PASS
				Peak	2316.275	-39.33	≤-21.20	PASS
				Peak	2390.000	-44.38	≤-21.20	PASS
		High	2480	AV	2483.500	-48.52	≤-41.20	PASS
				AV	2499.600	-47.74	≤-41.20	PASS
				AV	2500.000	-47.75	≤-41.20	PASS
				Peak	2483.500	-43.19	≤-21.20	PASS
2DH5	Ant1	Low	2402	Peak	2494.800	-39.79	≤-21.20	PASS
				Peak	2500.000	-40.73	≤-21.20	PASS
				AV	2310.000	-49.17	≤-41.20	PASS
				AV	2381.690	-48.3	≤-41.20	PASS
				AV	2390.000	-48.62	≤-41.20	PASS
				Peak	2310.000	-41.52	≤-21.20	PASS
		High	2480	Peak	2362.055	-38.86	≤-21.20	PASS
				Peak	2390.000	-40.72	≤-21.20	PASS
				AV	2483.500	-48.24	≤-41.20	PASS
				AV	2498.160	-47.16	≤-41.20	PASS
				AV	2500.000	-47.28	≤-41.20	PASS
				Peak	2483.500	-42.03	≤-21.20	PASS
				Peak	2499.680	-37.6	≤-21.20	PASS
				Peak	2500.000	-39.54	≤-21.20	PASS

Note :

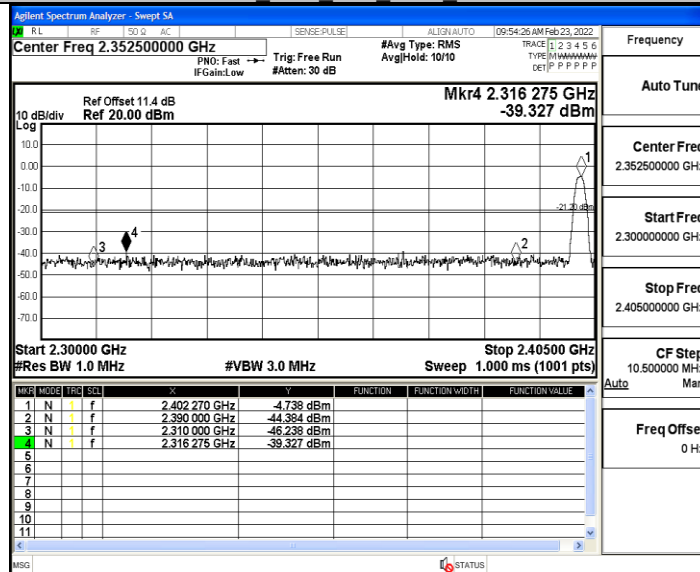
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

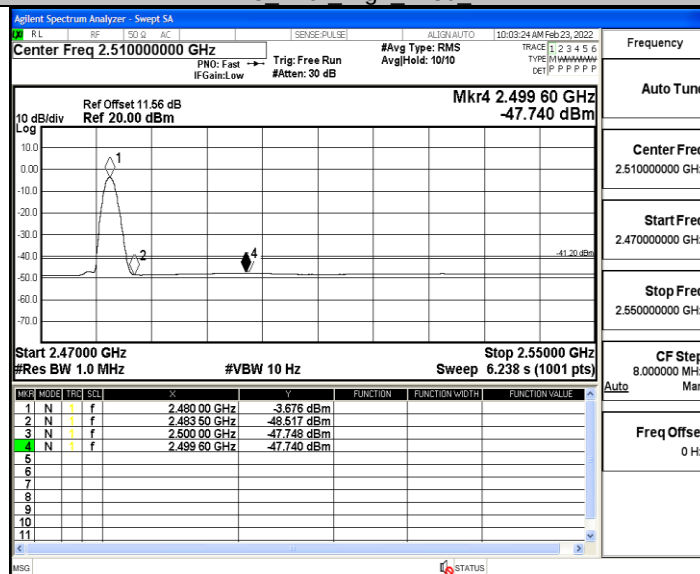
DH5 Ant1 Low 2402 AV



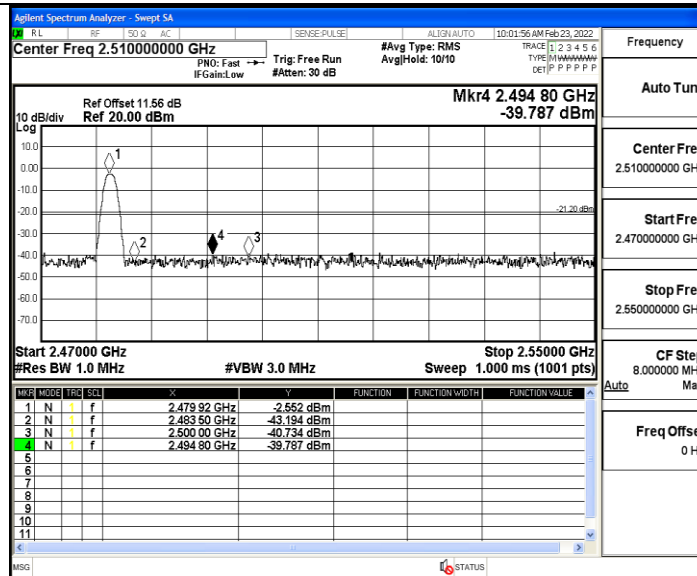
DH5 Ant1 Low 2402 Peak



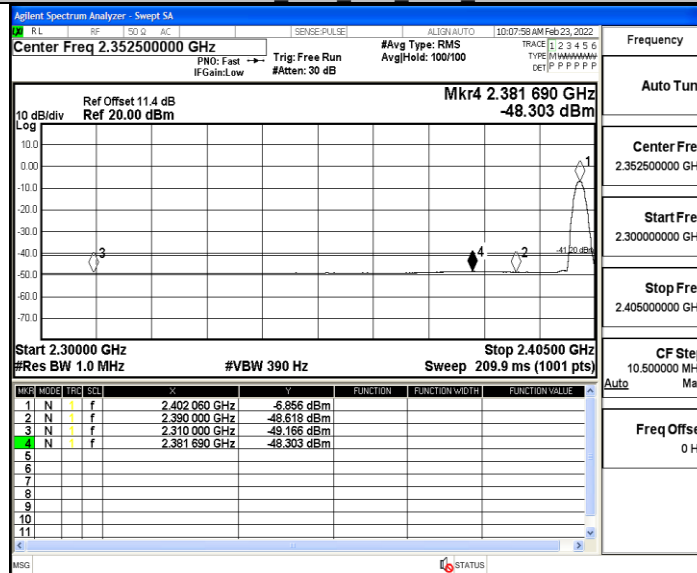
DH5 Ant1 High 2480 AV



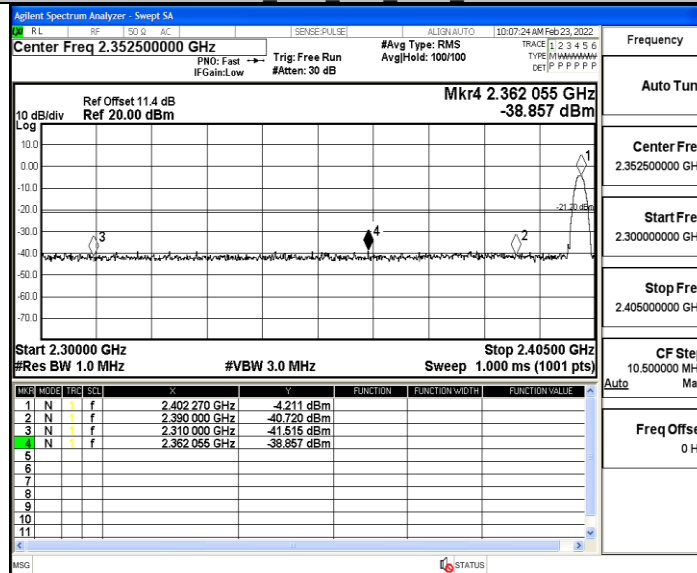
DH5 Ant1 High 2480 Peak



2DH5 Ant1 Low 2402 AV



2DH5 Ant1 Low 2402 Peak



2DH5 Ant1 High 2480 AV

