

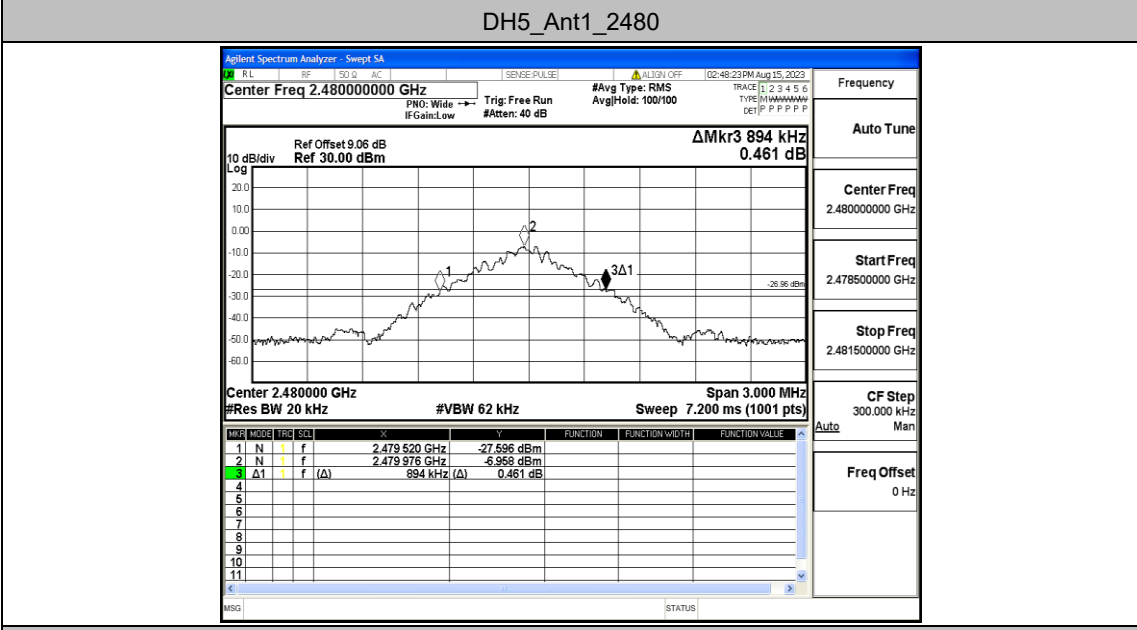
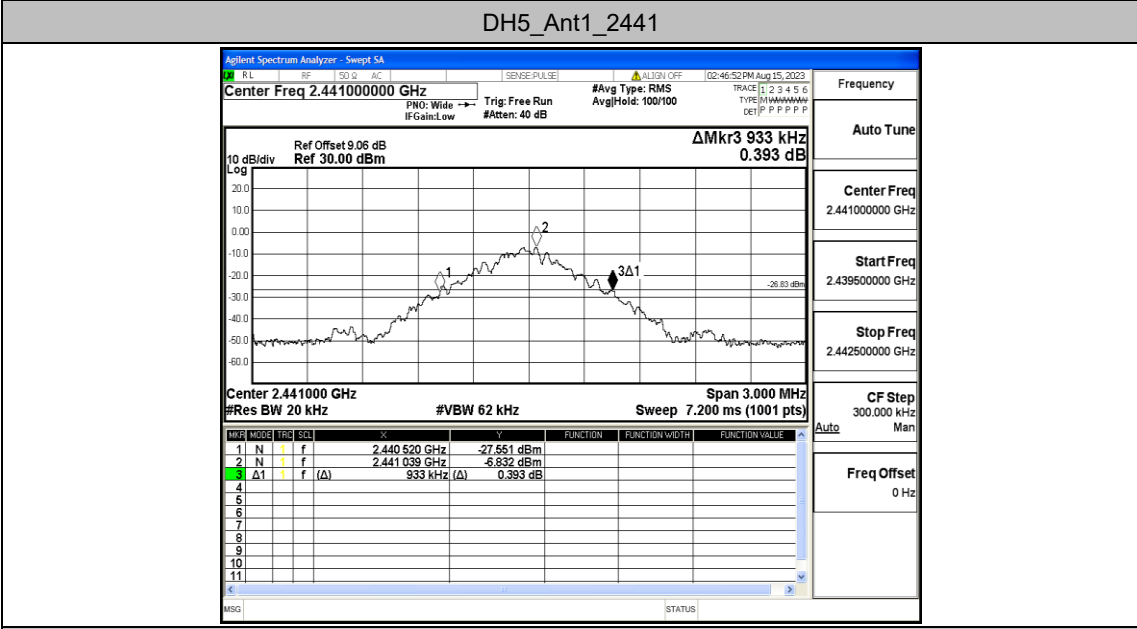
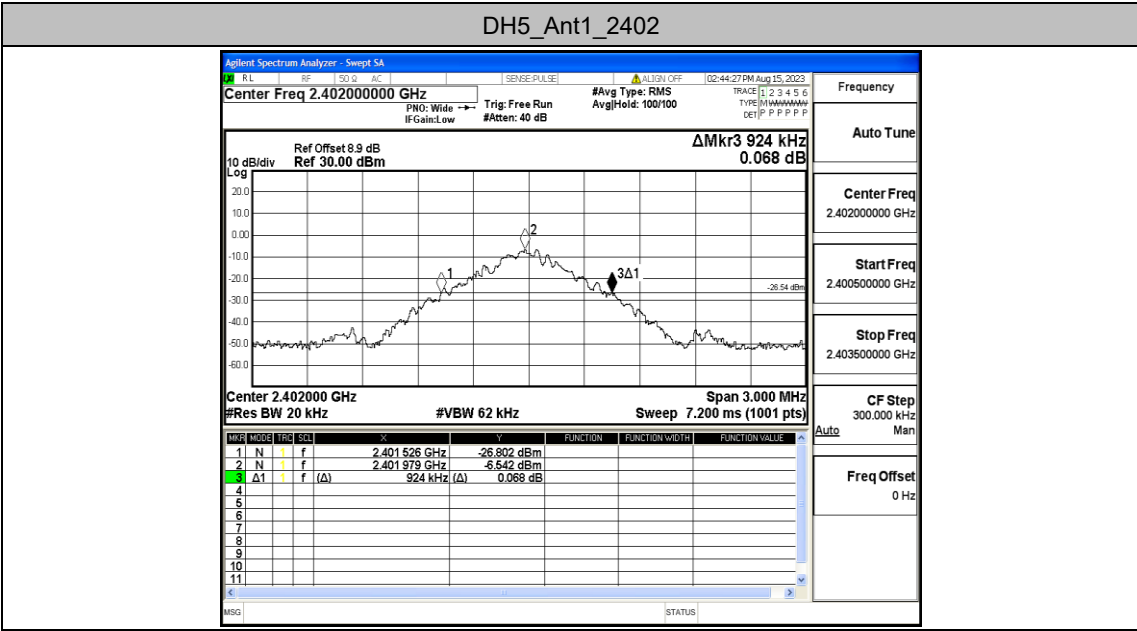
Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Smart Watch****Trade Mark: N/A****Test Model: KW-B05****FCC ID: 2AO47-KW-B05****Environmental Conditions**

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

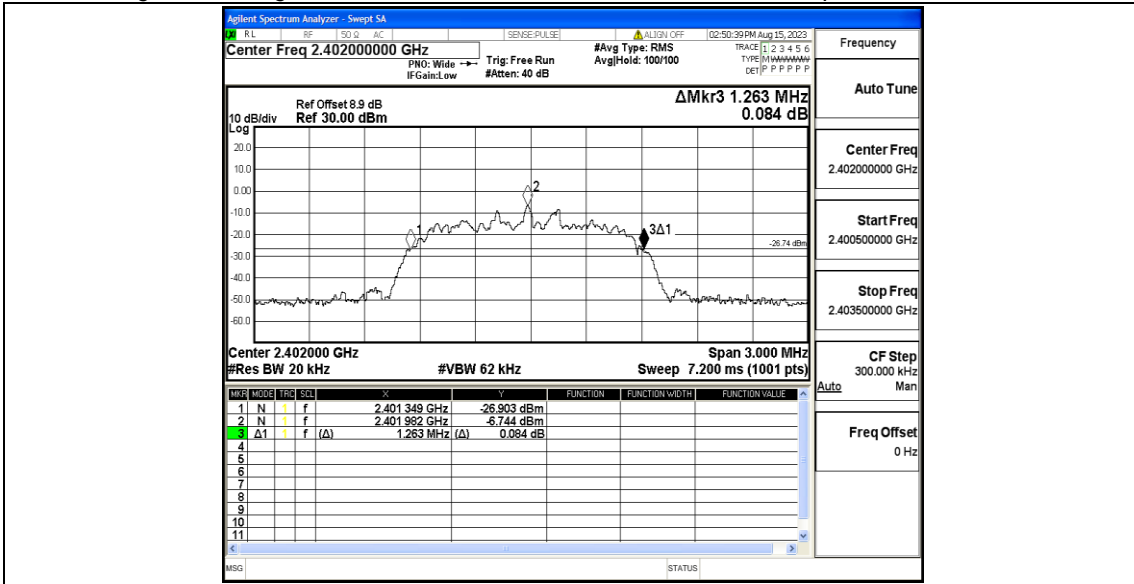
Appendix A: 20dB Emission Bandwidth**Test Result**

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.924	2401.526	2402.450	---	---
		2441	0.933	2440.520	2441.453	---	---
		2480	0.894	2479.520	2480.414	---	---
2DH5	Ant1	2402	1.263	2401.349	2402.612	---	---
		2441	1.257	2440.349	2441.606	---	---
		2480	1.335	2479.313	2480.648	---	---

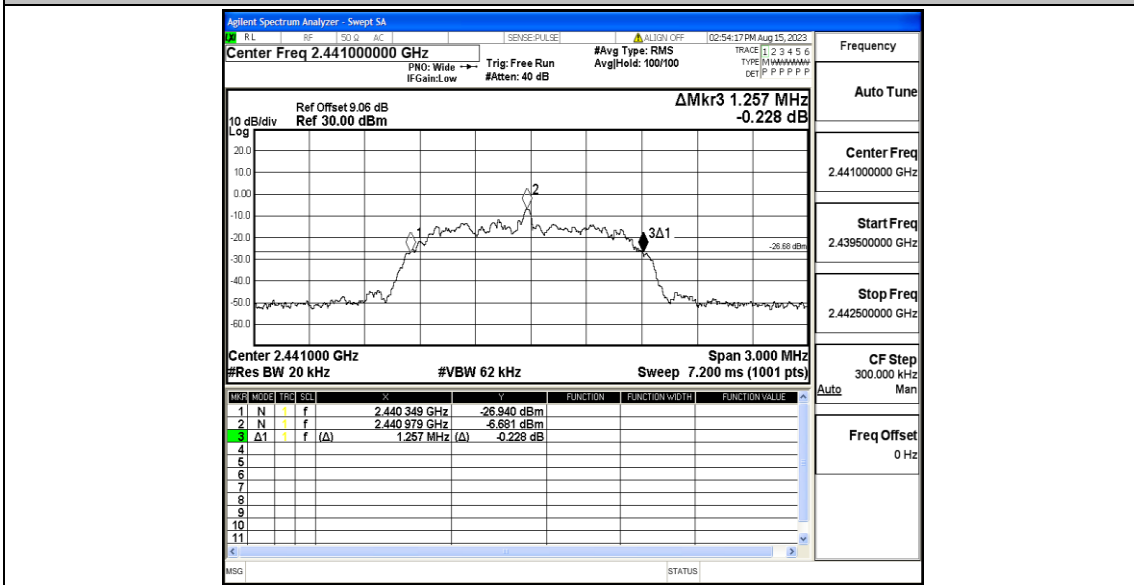
Test Graphs



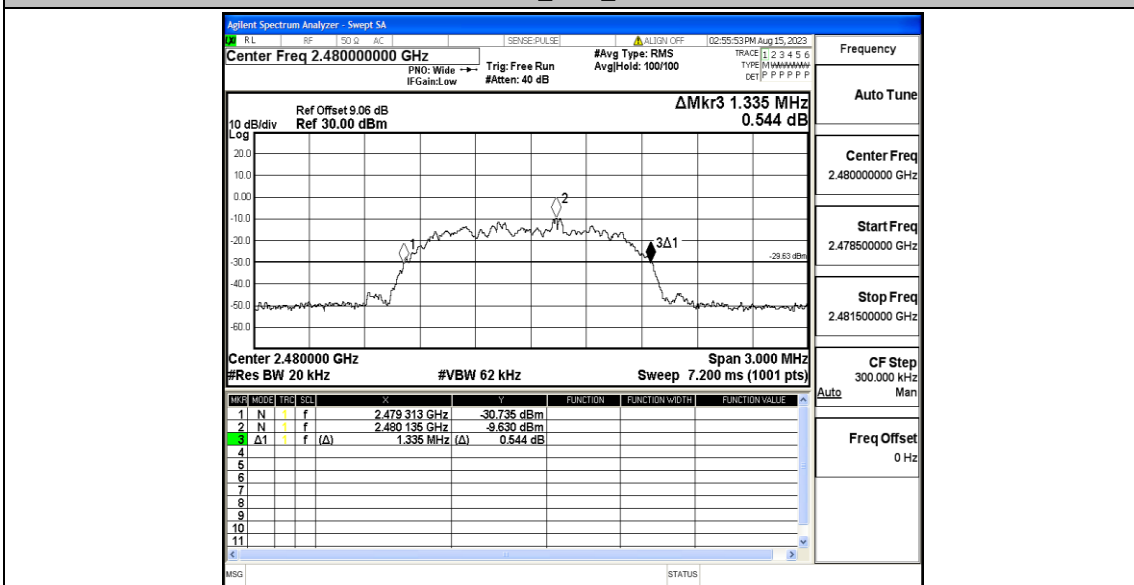
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

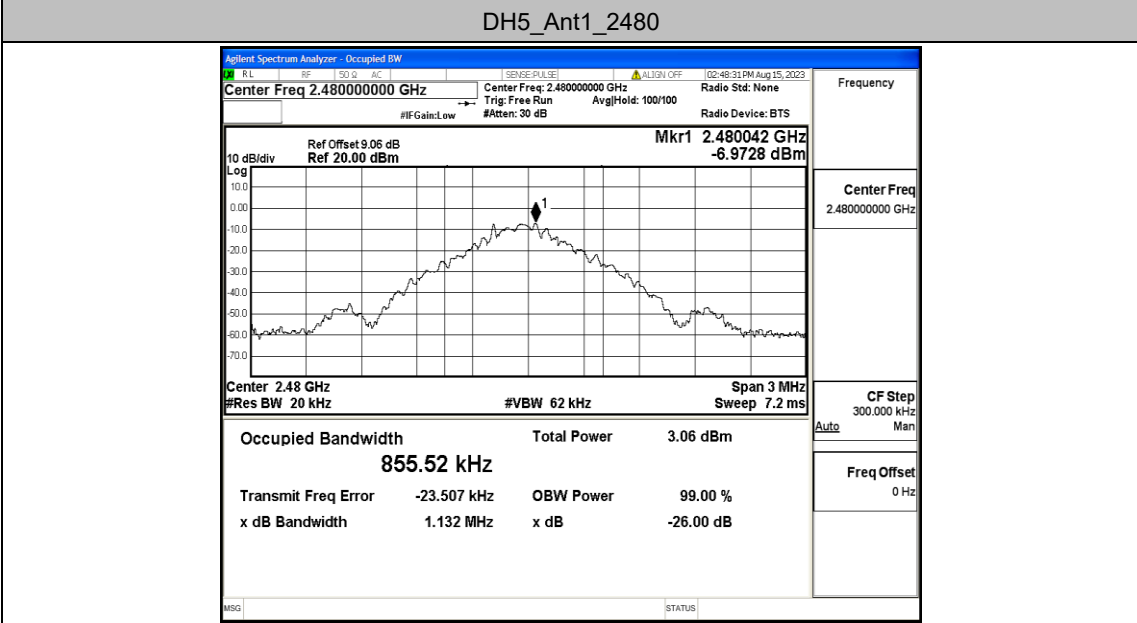
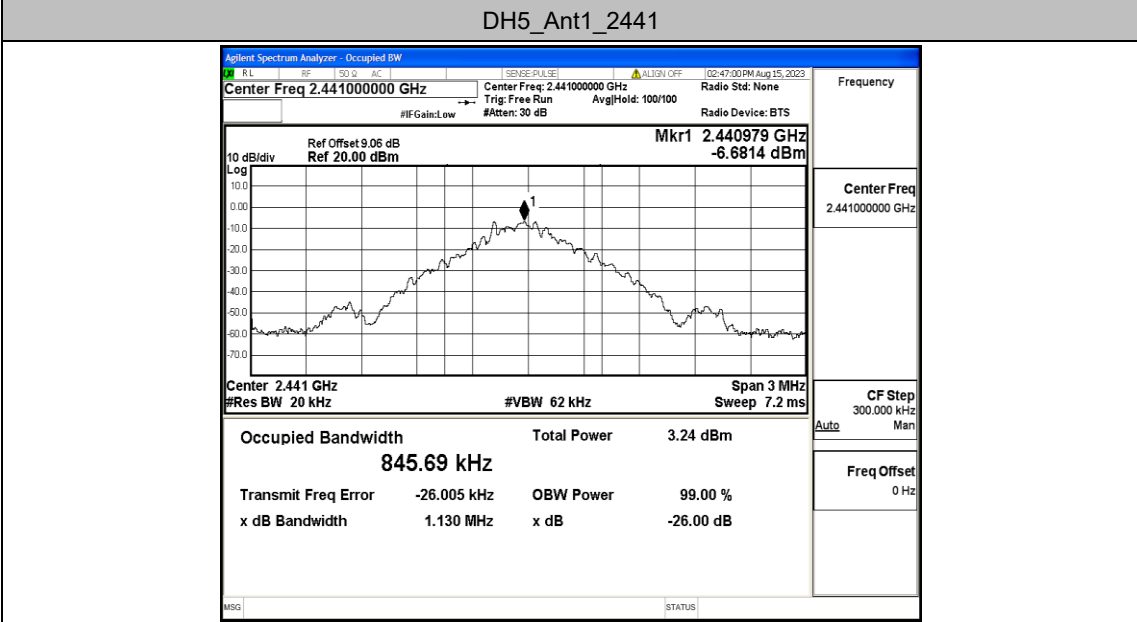
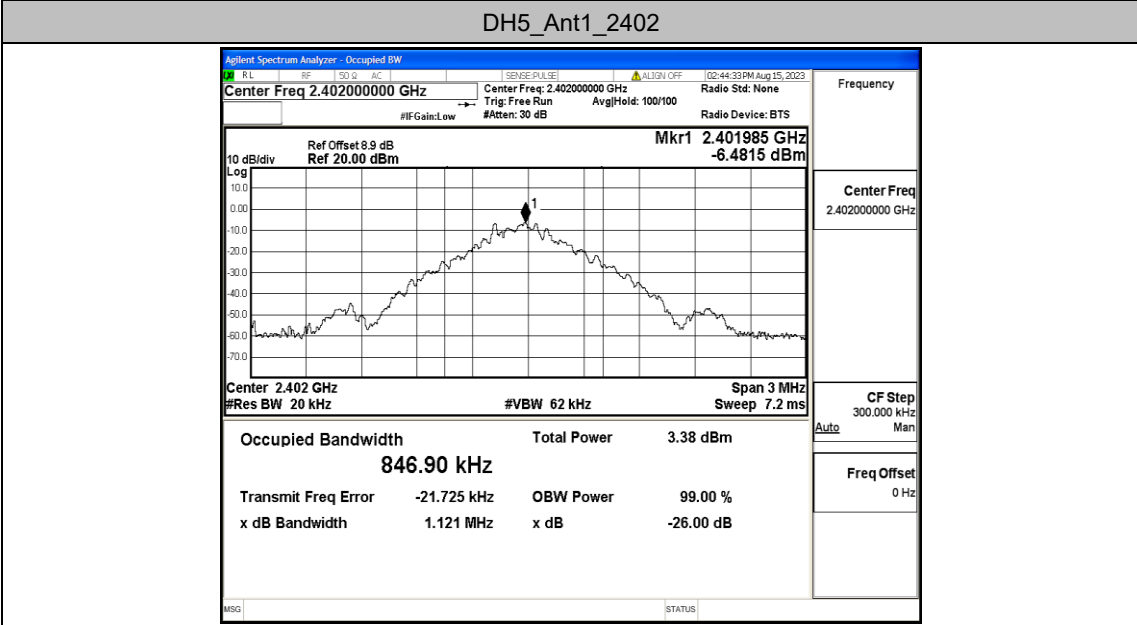


Appendix B: Occupied Channel Bandwidth

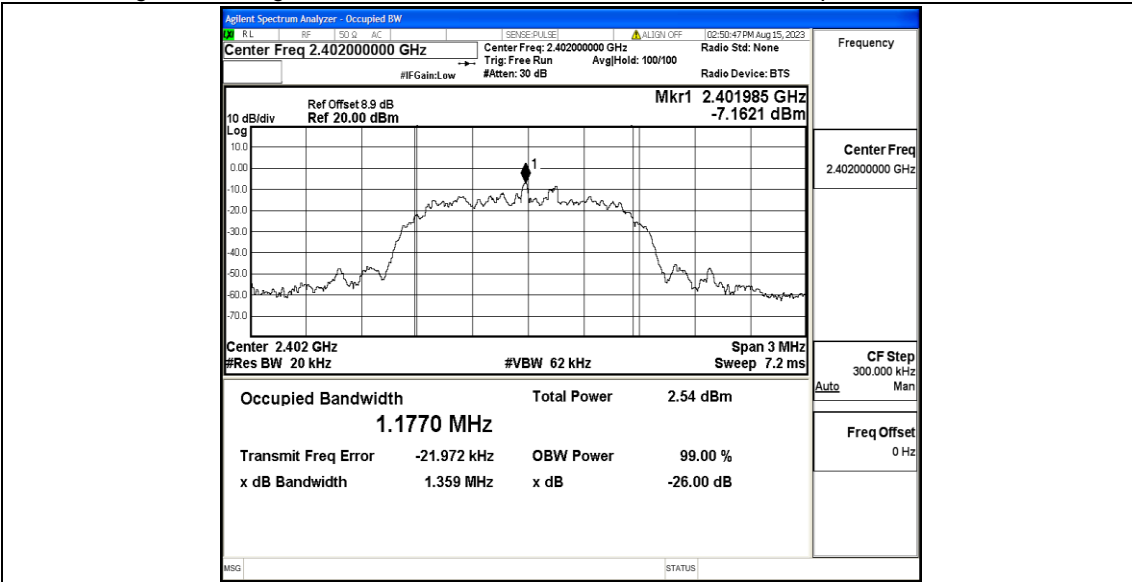
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84690	2401.5548	2402.4017	---	---
		2441	0.84569	2440.5511	2441.3968	---	---
		2480	0.85552	2479.5487	2480.4043	---	---
2DH5	Ant1	2402	1.1770	2401.3895	2402.5665	---	---
		2441	1.1845	2440.3877	2441.5722	---	---
		2480	1.1808	2479.3868	2480.5676	---	---

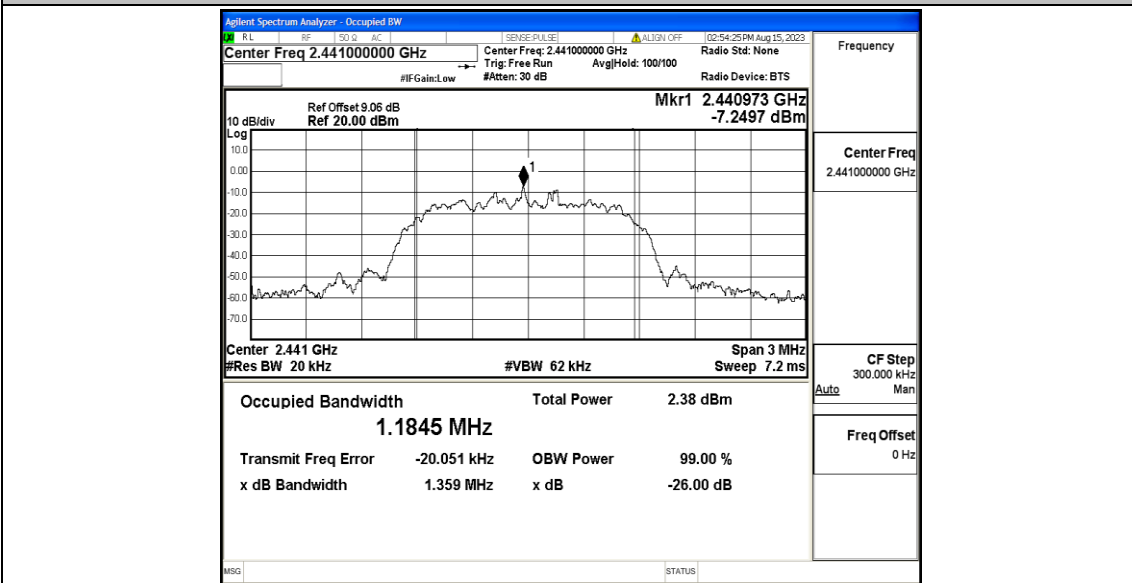
Test Graphs



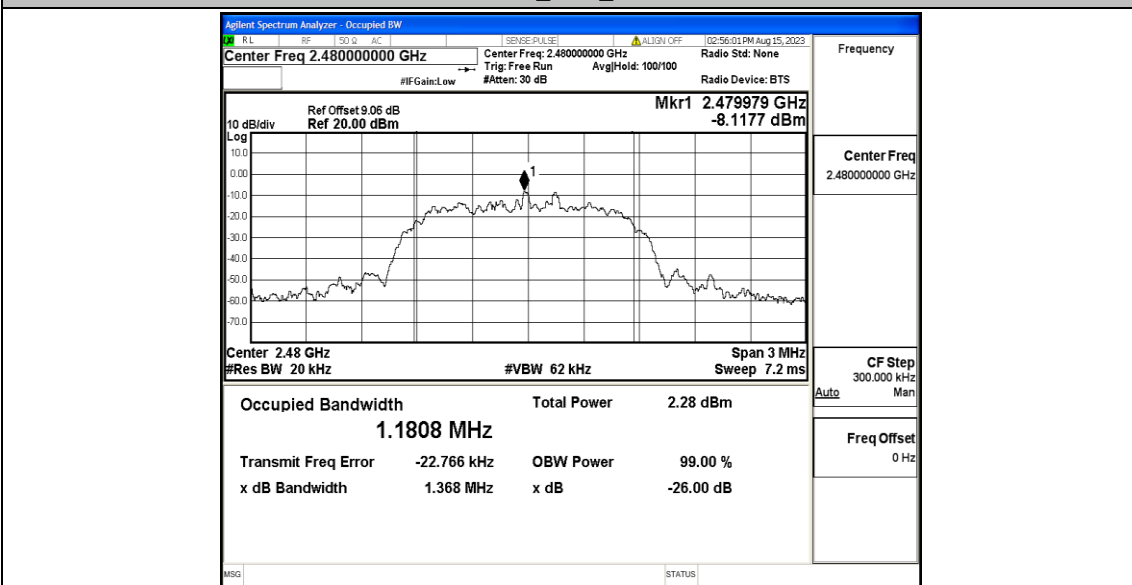
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

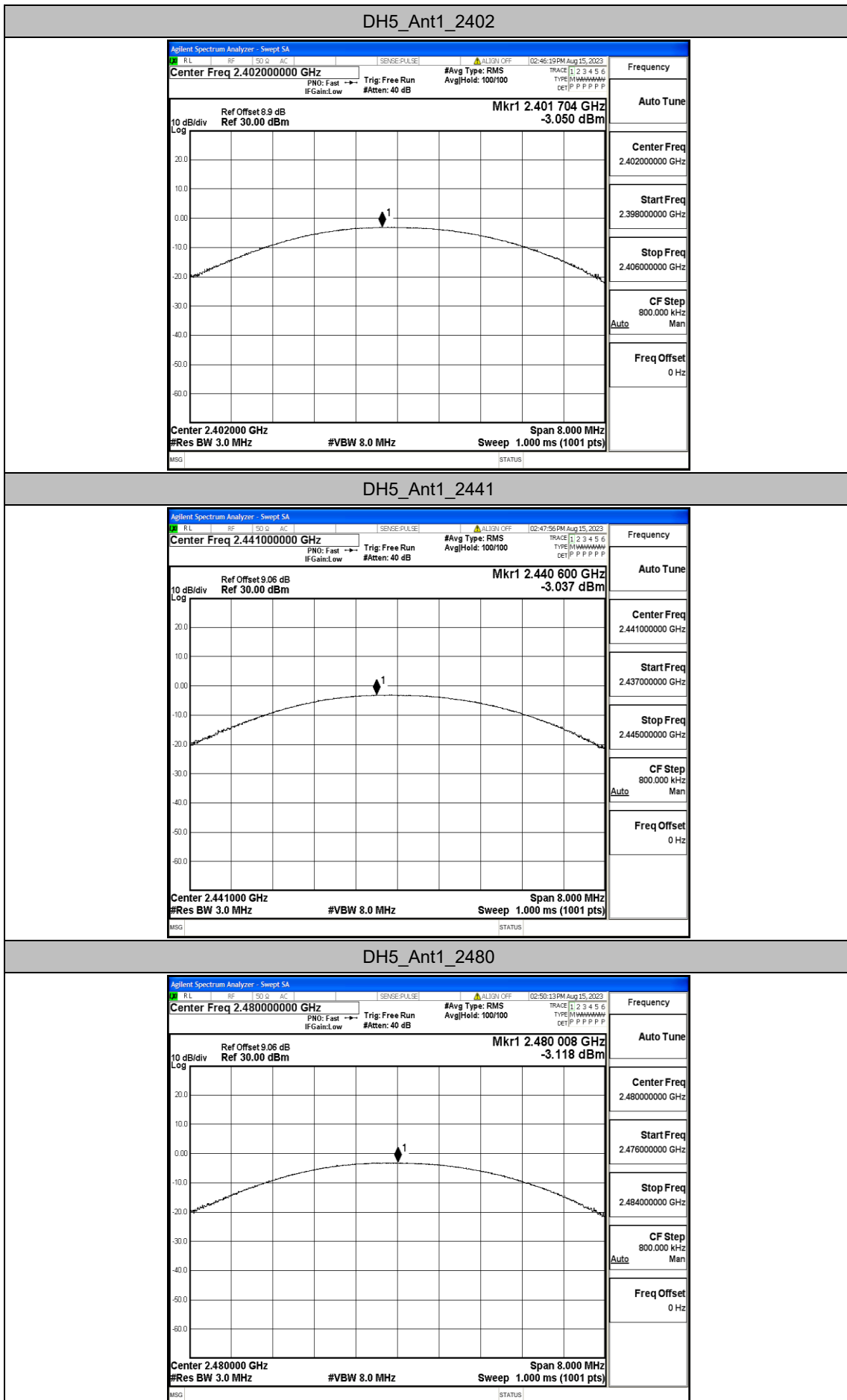


Appendix C: Maximum Peak conducted output power

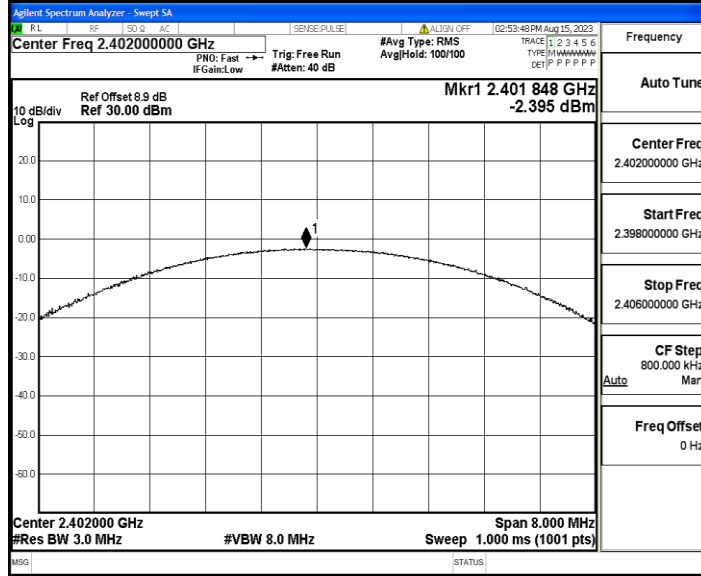
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.05	≤30	PASS
		2441	-3.04	≤30	PASS
		2480	-3.12	≤30	PASS
2DH5	Ant1	2402	-2.4	≤20.97	PASS
		2441	-2.29	≤20.97	PASS
		2480	-2.42	≤20.97	PASS

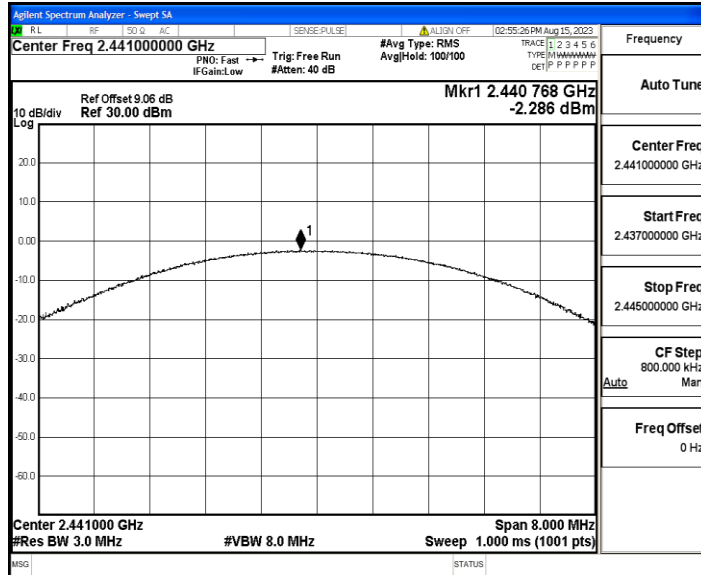
Test Graphs



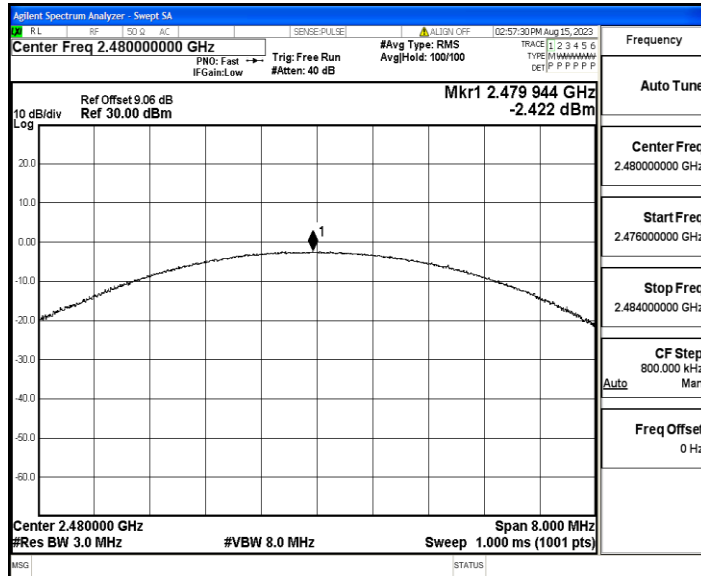
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

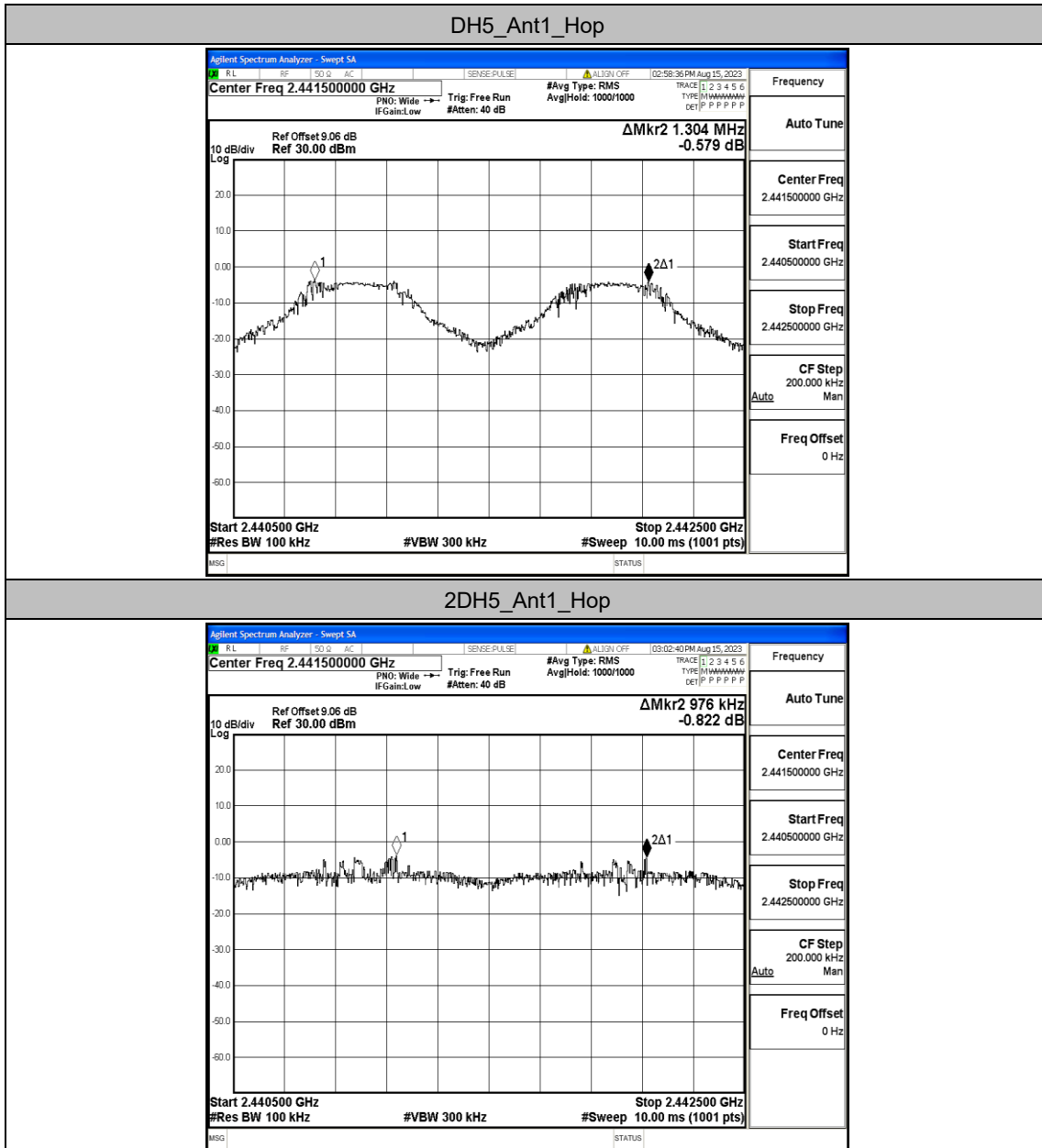


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.304	≥ 0.933	PASS
2DH5	Ant1	Hop	0.976	≥ 0.890	PASS

Test Graphs

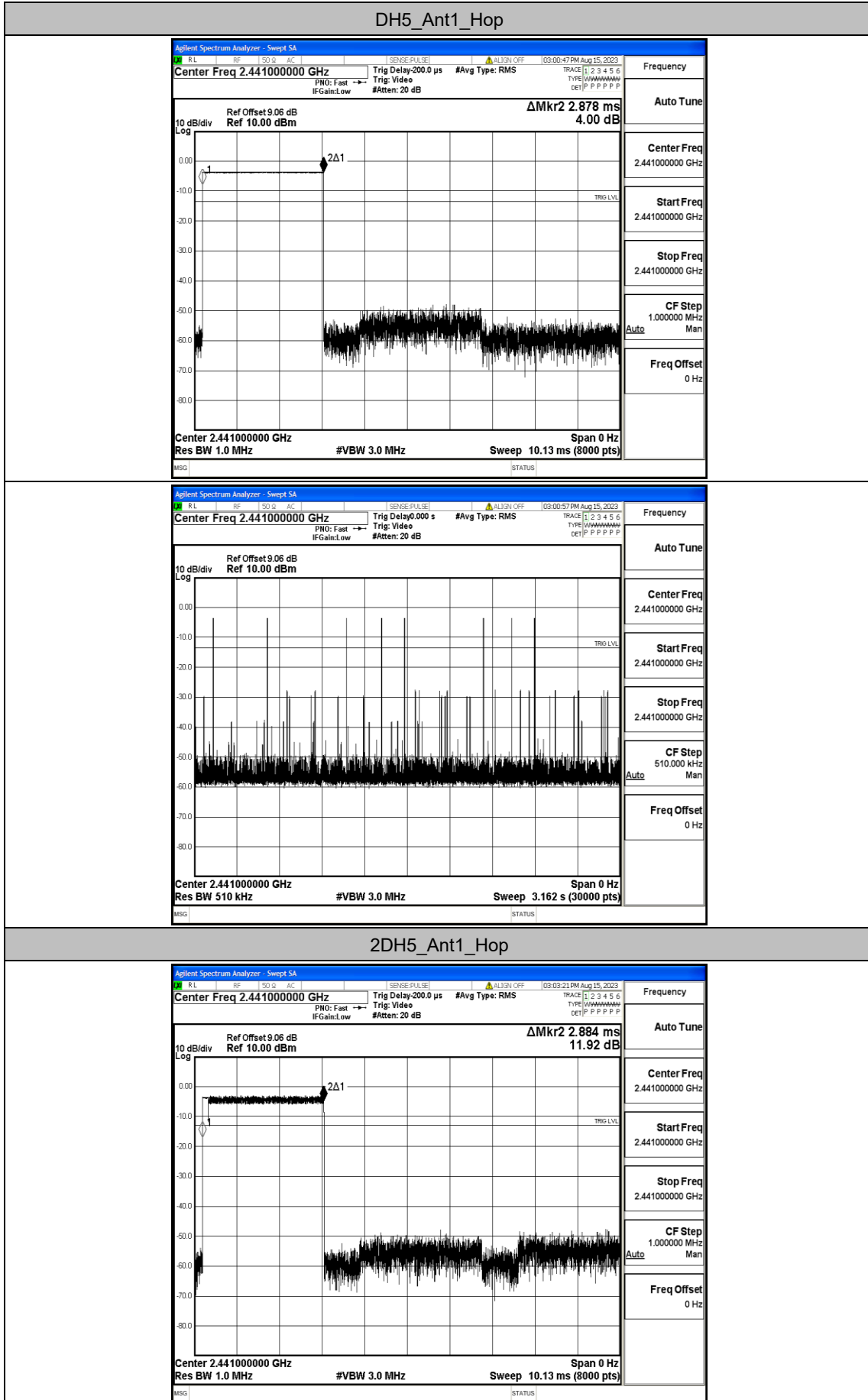


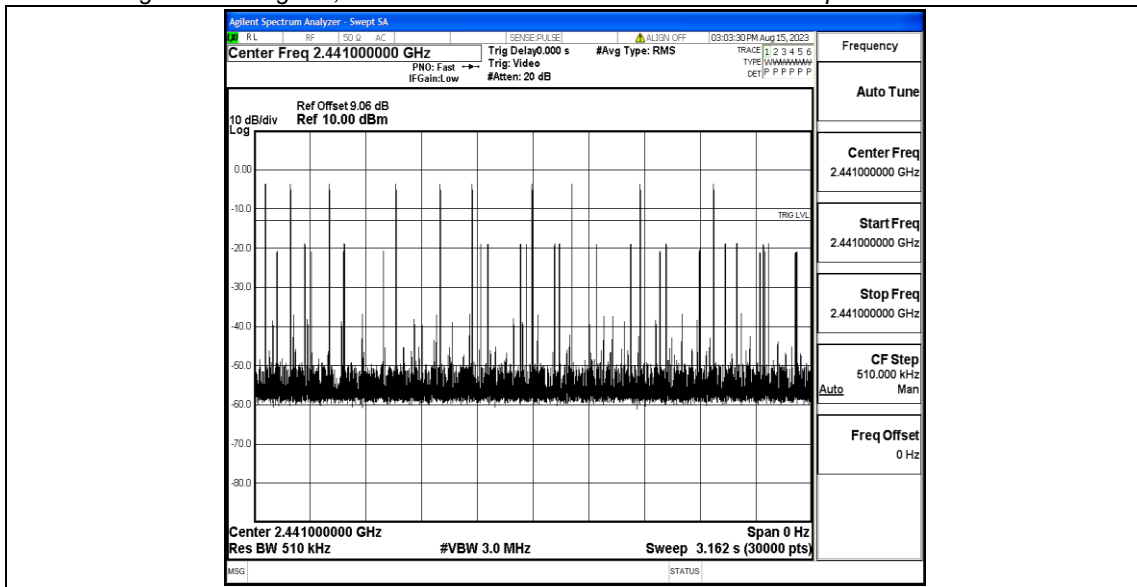
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	90	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.884	110	0.317	≤0.4	PASS

Test Graphs



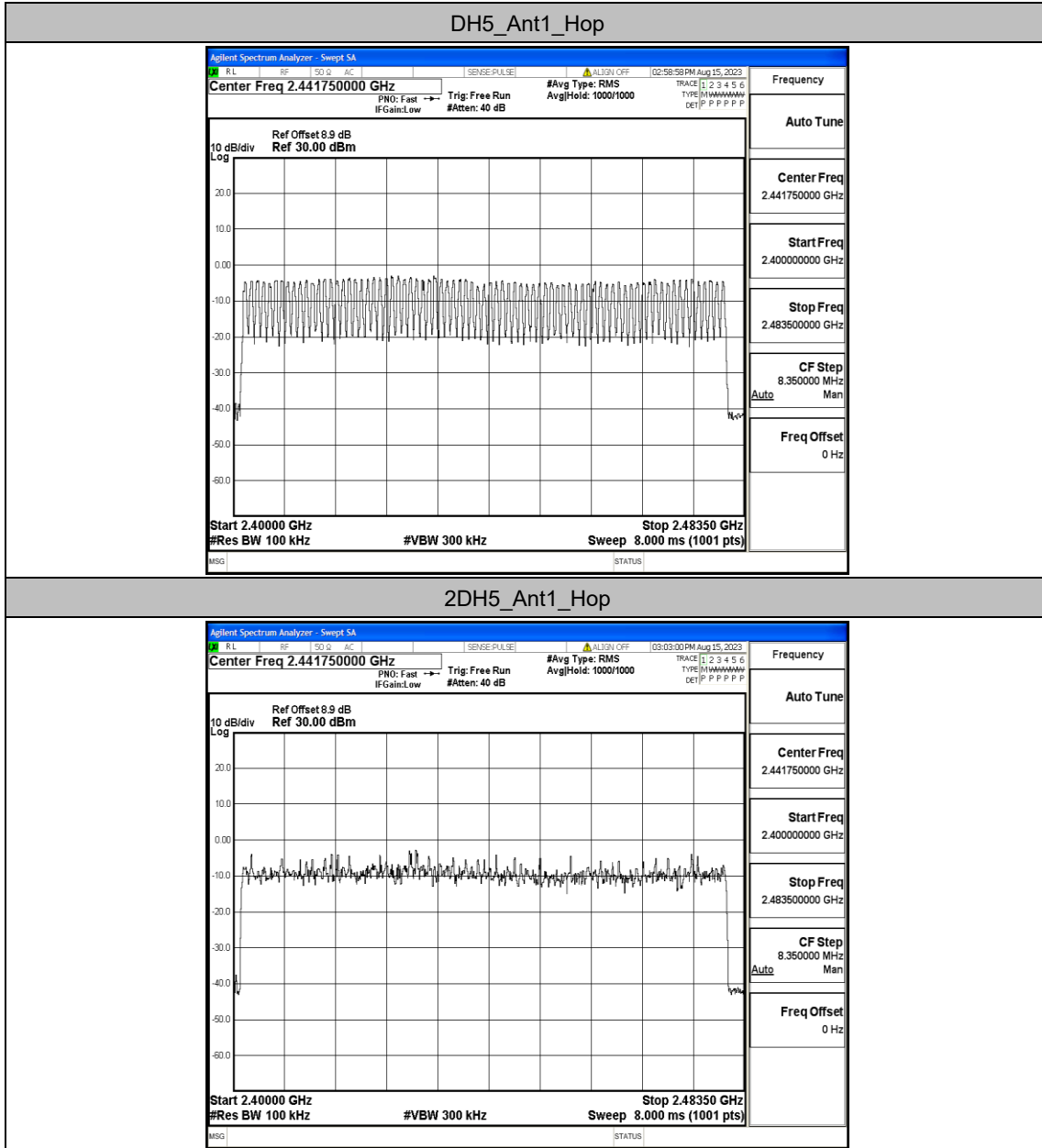


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

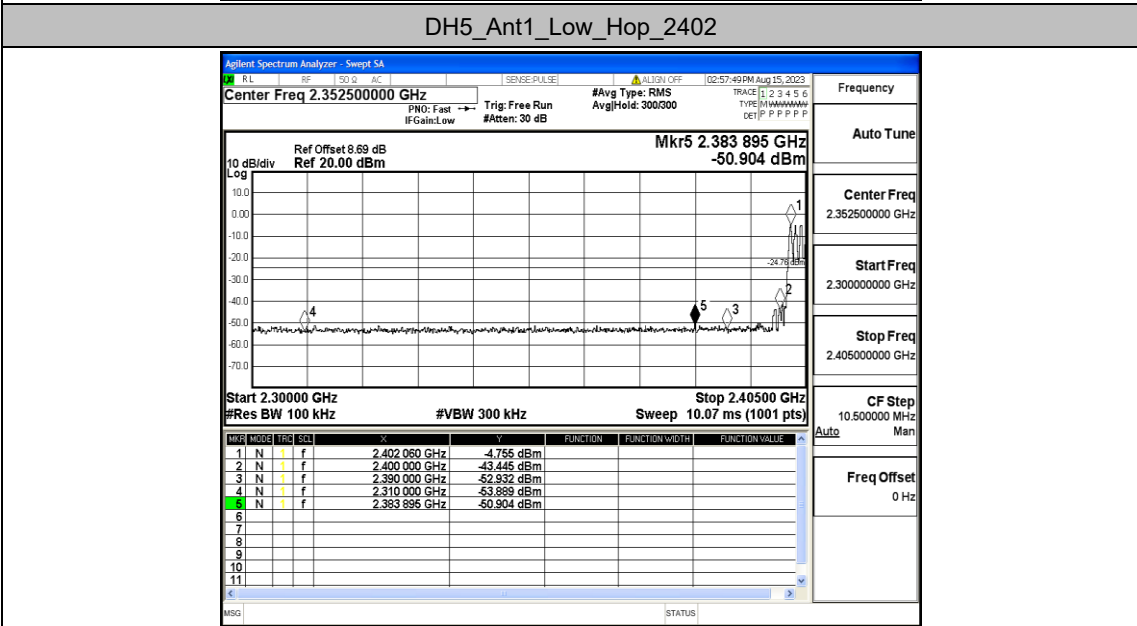
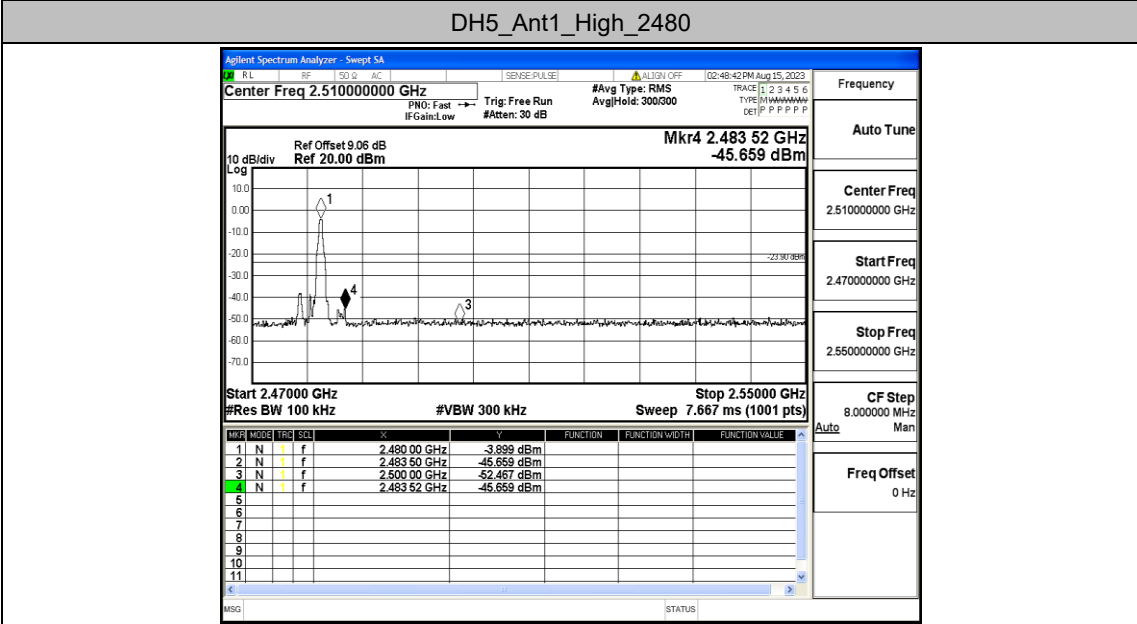
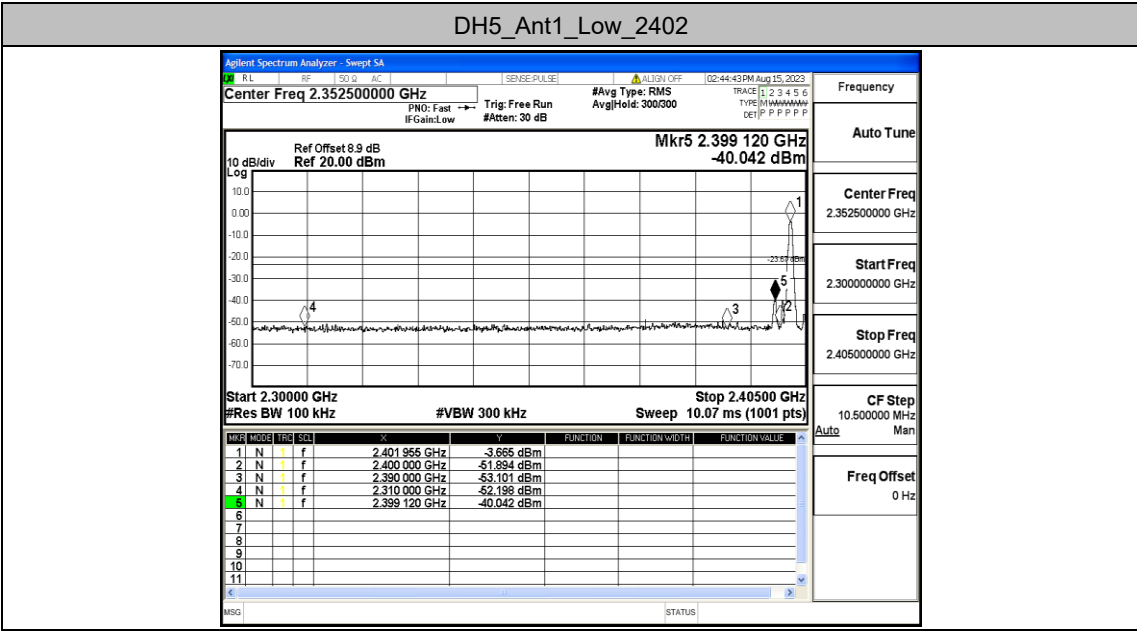


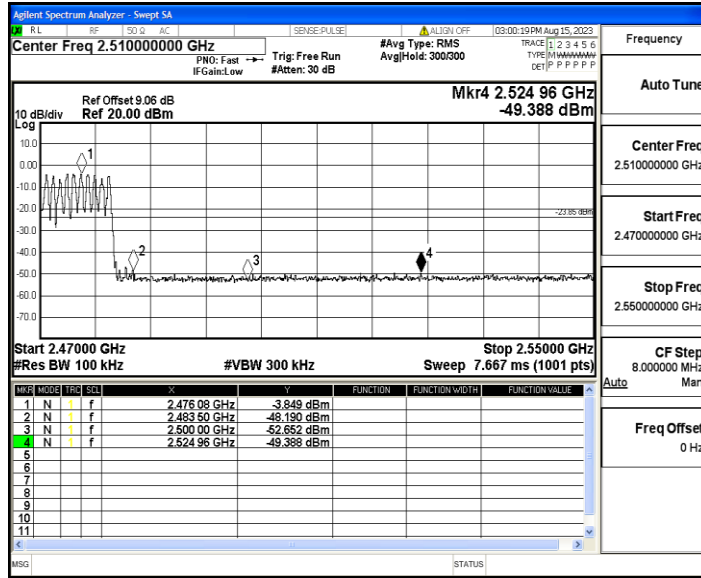
Appendix G: Band edge measurements

Test Result

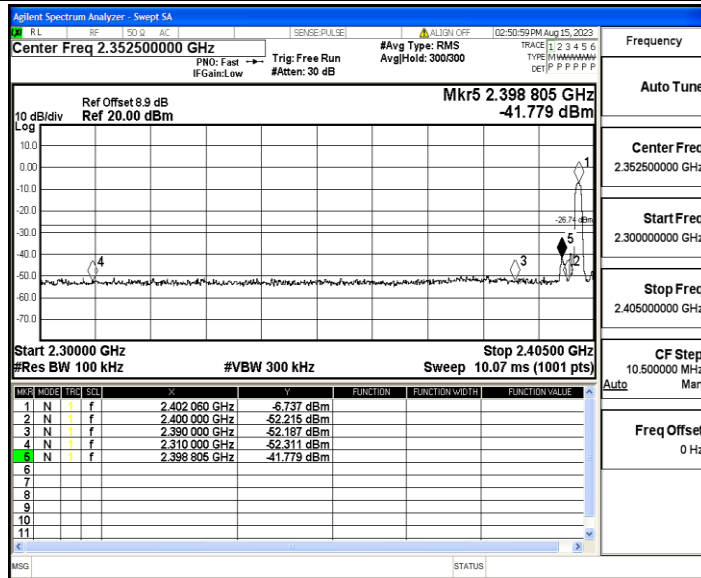
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.67	-40.04	≤ -23.67	PASS
		High	2480	-3.90	-45.66	≤ -23.9	PASS
		Low	Hop_2402	-4.76	-50.9	≤ -24.76	PASS
		High	Hop_2480	-3.85	-49.39	≤ -23.85	PASS
2DH5	Ant1	Low	2402	-6.74	-41.78	≤ -26.74	PASS
		High	2480	-3.85	-49.07	≤ -23.85	PASS
		Low	Hop_2402	-4.92	-50.11	≤ -24.92	PASS
		High	Hop_2480	-3.78	-49.37	≤ -23.78	PASS

Test Graphs

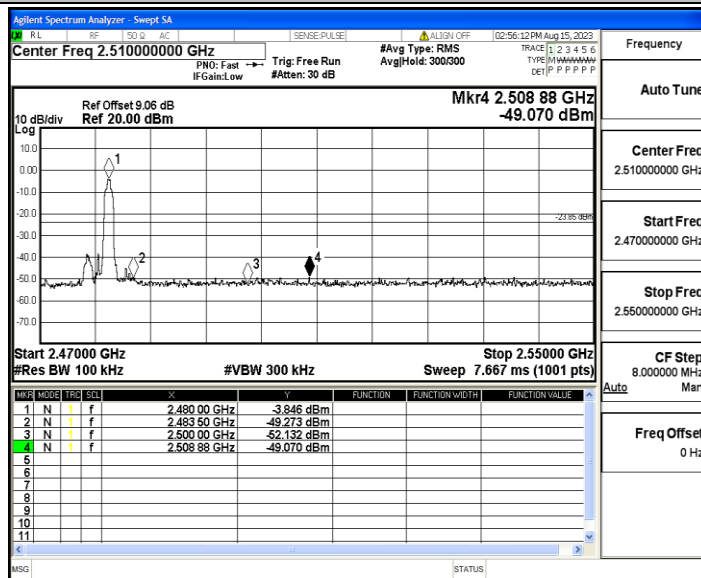




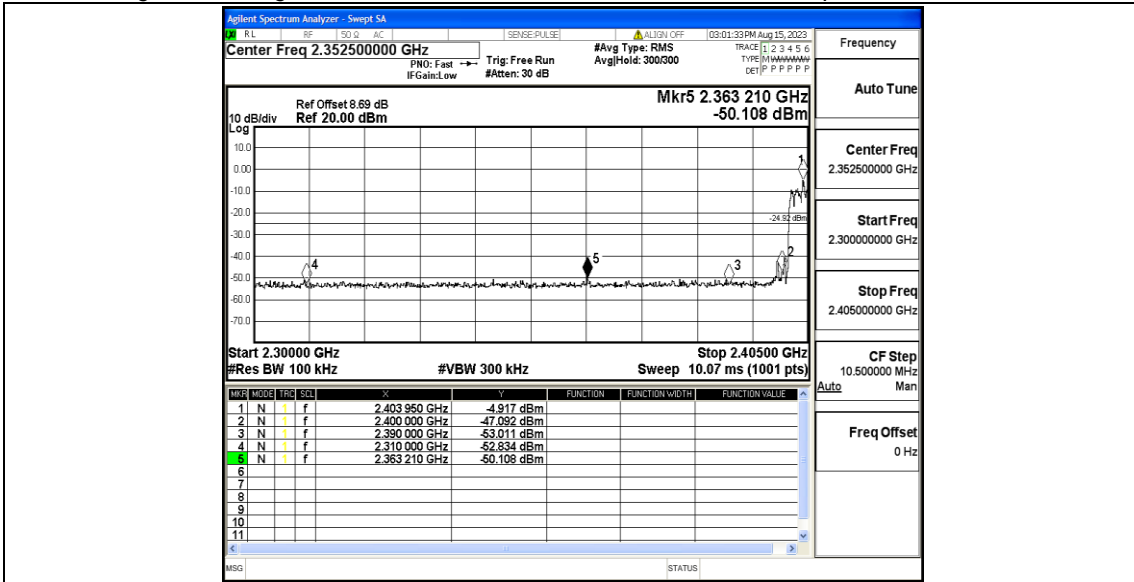
2D5_Ant1_Low_2402



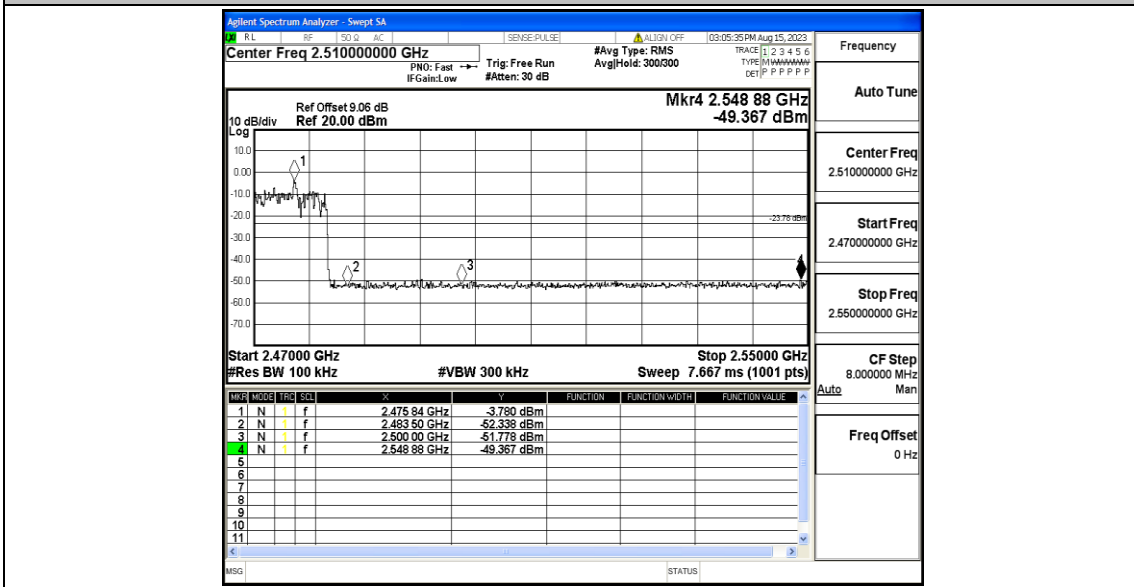
2D5_Ant1_High_2480



2D5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

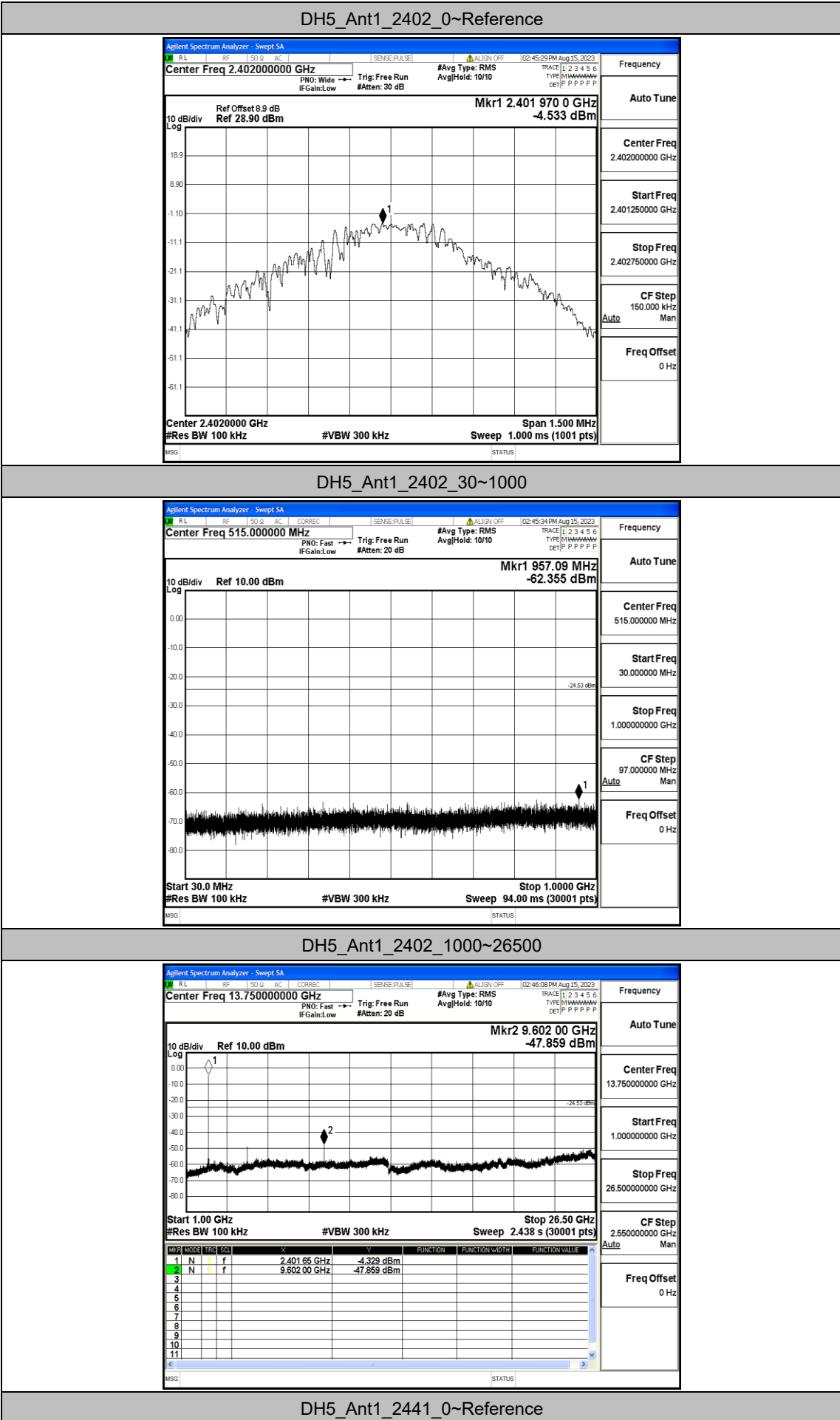


Appendix H: Conducted Spurious Emission

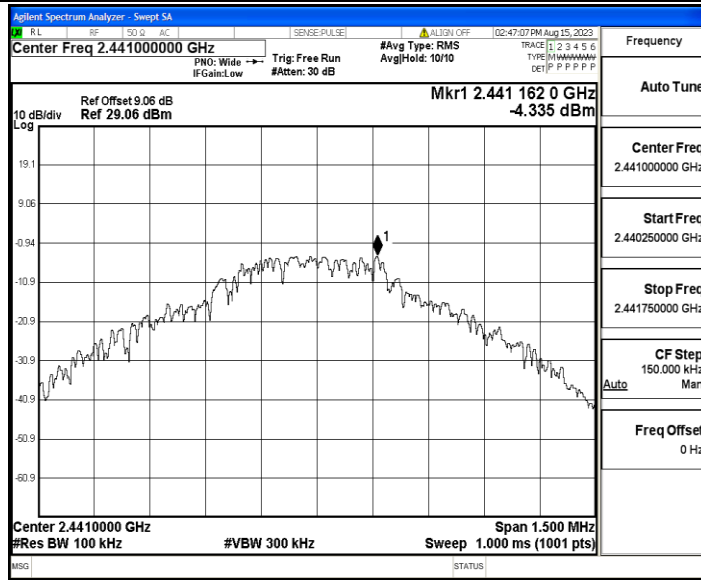
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.53	-4.53	---	PASS
			30~1000	-4.53	-62.36	≤-24.53	PASS
			1000~26500	-4.53	-47.86	≤-24.53	PASS
		2441	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-62.99	≤-24.34	PASS
			1000~26500	-4.34	-46.94	≤-24.34	PASS
		2480	Reference	-4.29	-4.29	---	PASS
			30~1000	-4.29	-62.68	≤-24.29	PASS
			1000~26500	-4.29	-46.16	≤-24.29	PASS
2DH5	Ant1	2402	Reference	-6.75	-6.75	---	PASS
			30~1000	-6.75	-63.01	≤-26.75	PASS
			1000~26500	-6.75	-48.63	≤-26.75	PASS
		2441	Reference	-7.75	-7.75	---	PASS
			30~1000	-7.75	-62.41	≤-27.75	PASS
			1000~26500	-7.75	-46.57	≤-27.75	PASS
		2480	Reference	-3.76	-3.76	---	PASS
			30~1000	-3.76	-63.07	≤-23.76	PASS
			1000~26500	-3.76	-45.57	≤-23.76	PASS

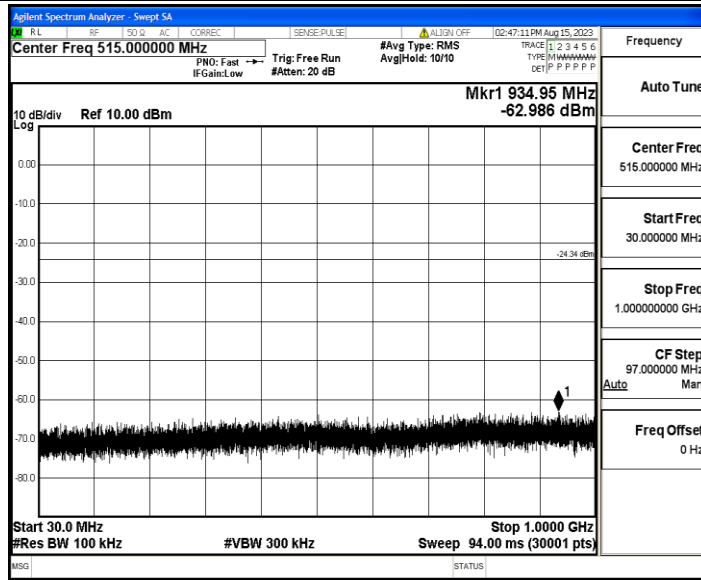
Test Graphs



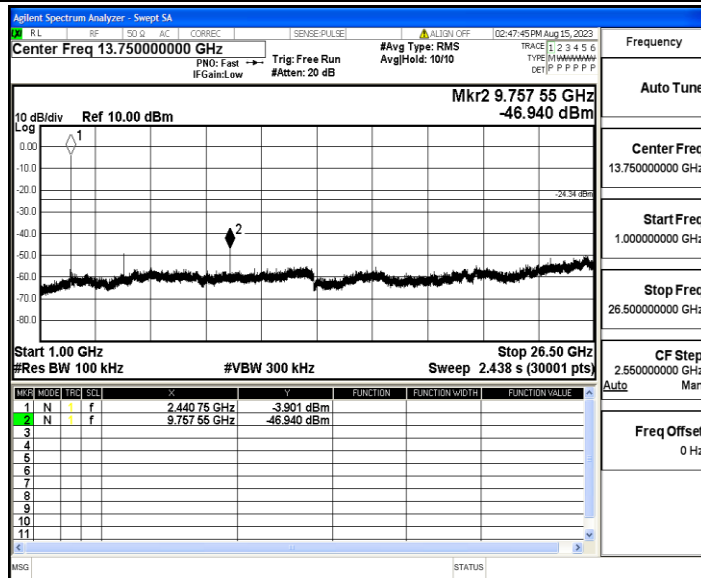
DH5_Ant1_2441_0~Reference



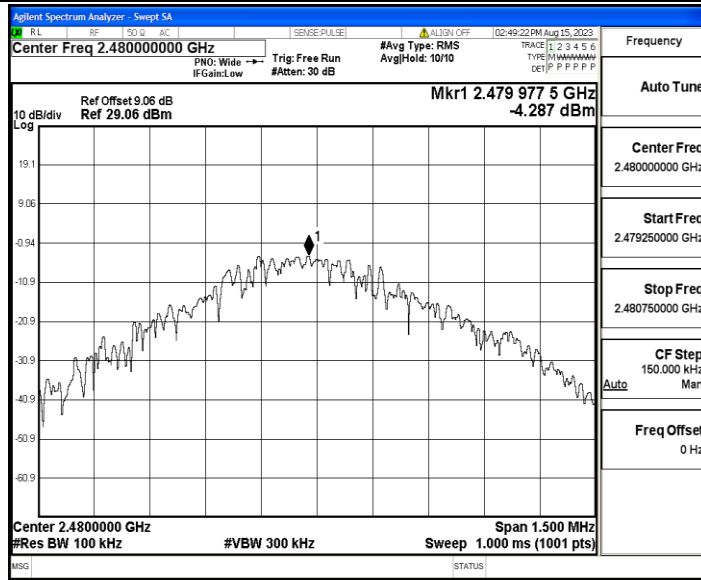
DH5_Ant1_2441_30~1000



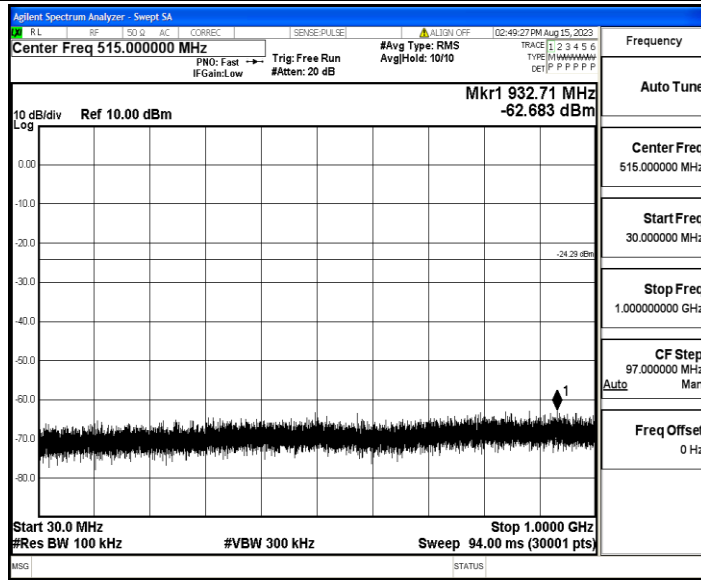
DH5_Ant1_2441_1000~26500



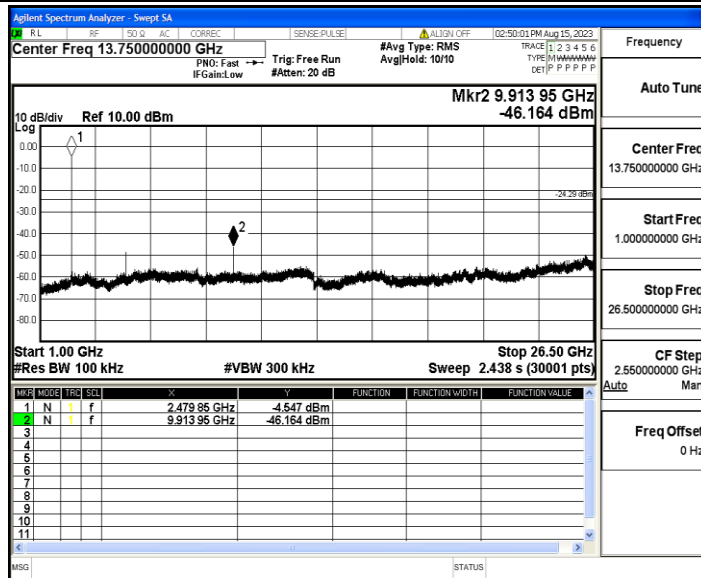
DH5_Ant1_2480_0~Reference



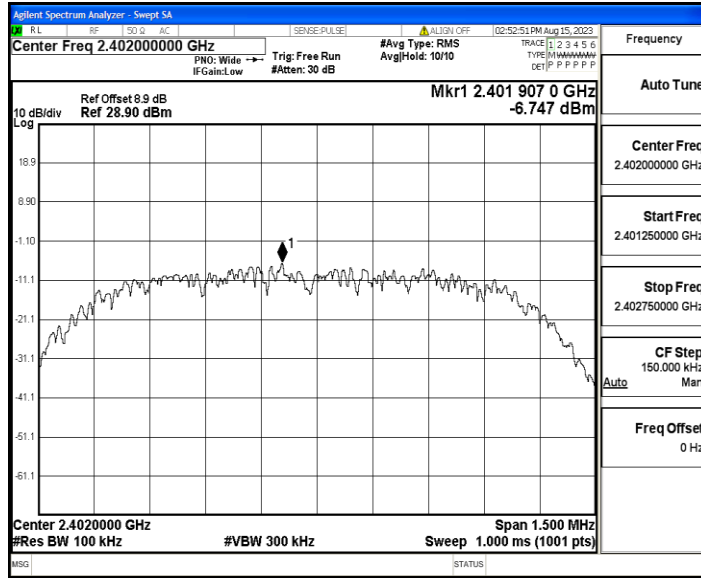
DH5_Ant1_2480_30~1000



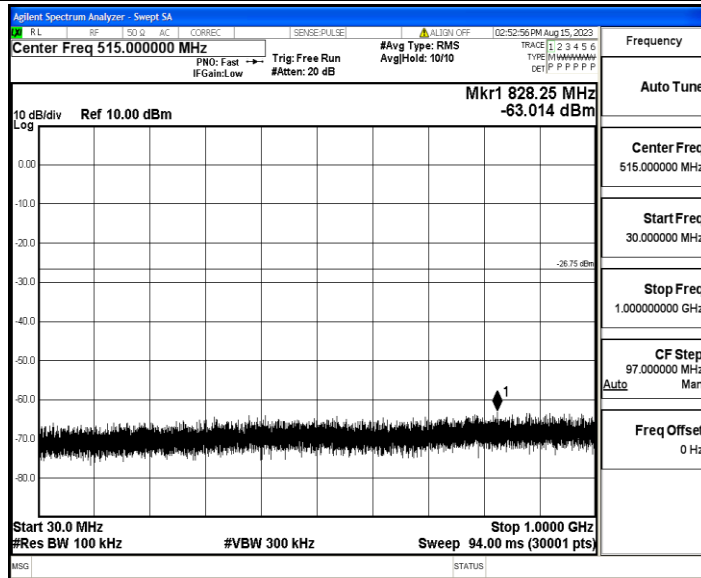
DH5_Ant1_2480_1000~26500



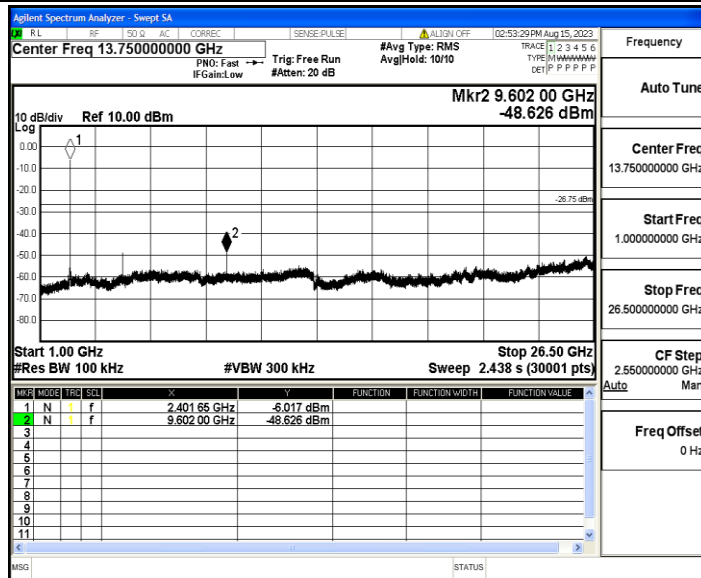
2DH5_Ant1_2402_0~Reference



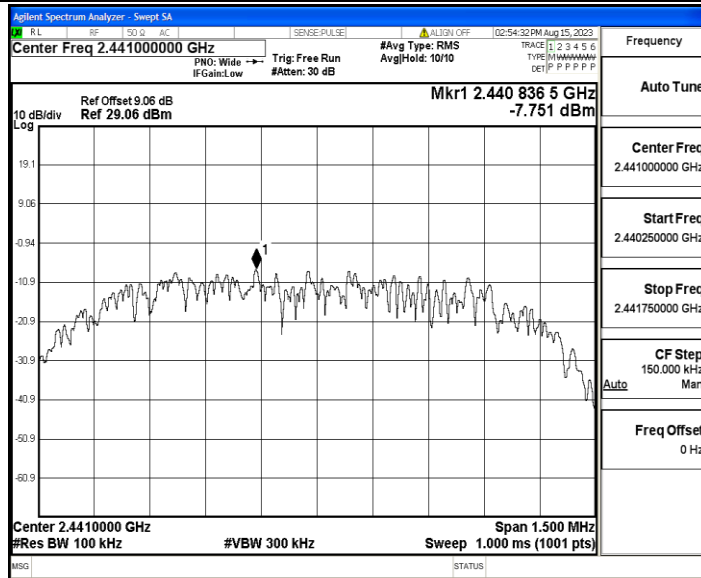
2DH5_Ant1_2402_30~1000



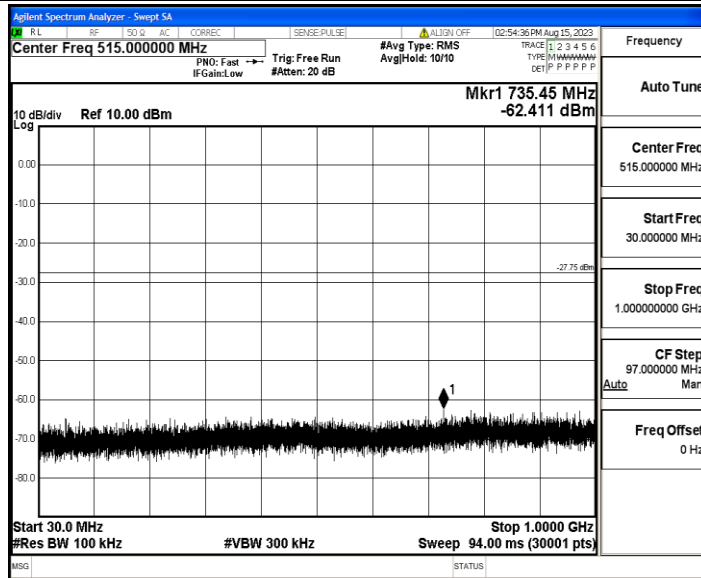
2DH5_Ant1_2402_1000~26500



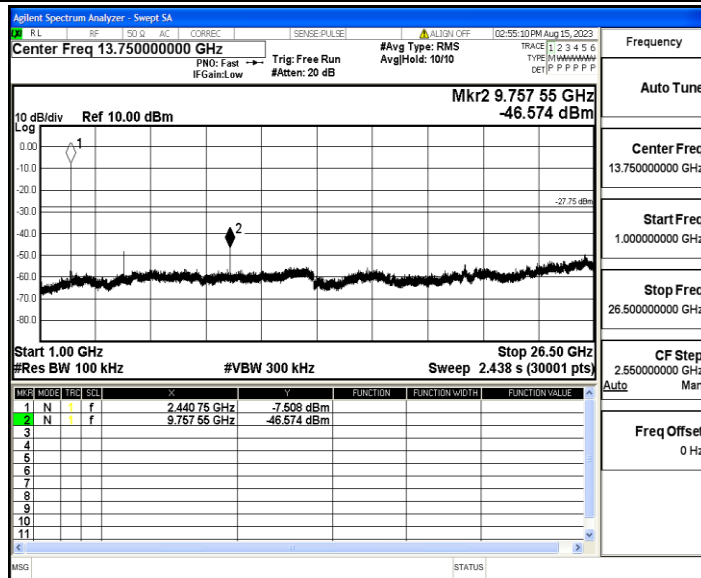
2DH5_Ant1_2441_0~Reference



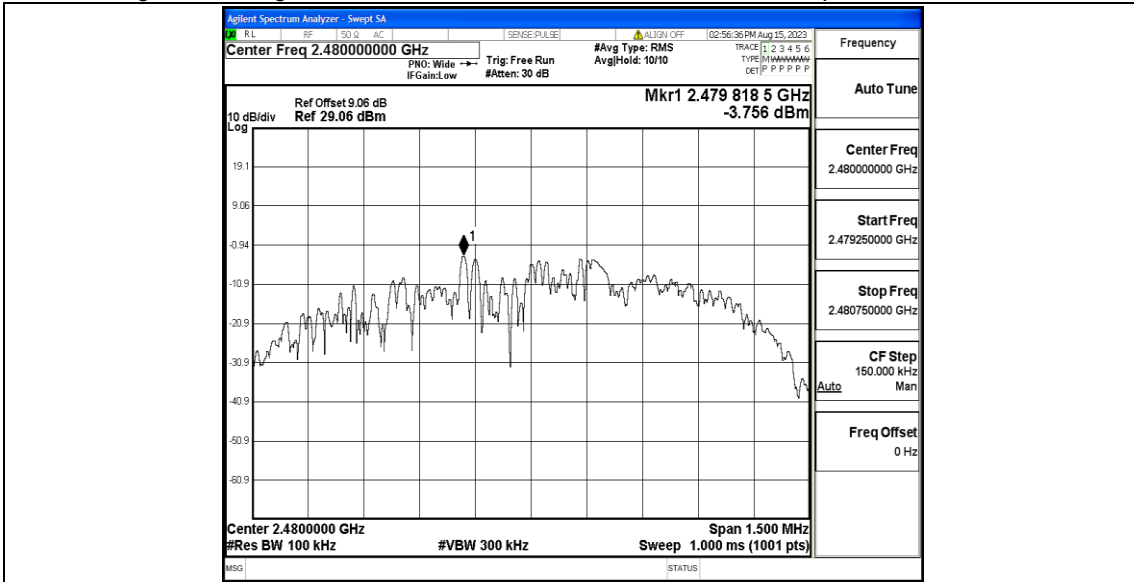
2DH5_Ant1_2441_30~1000



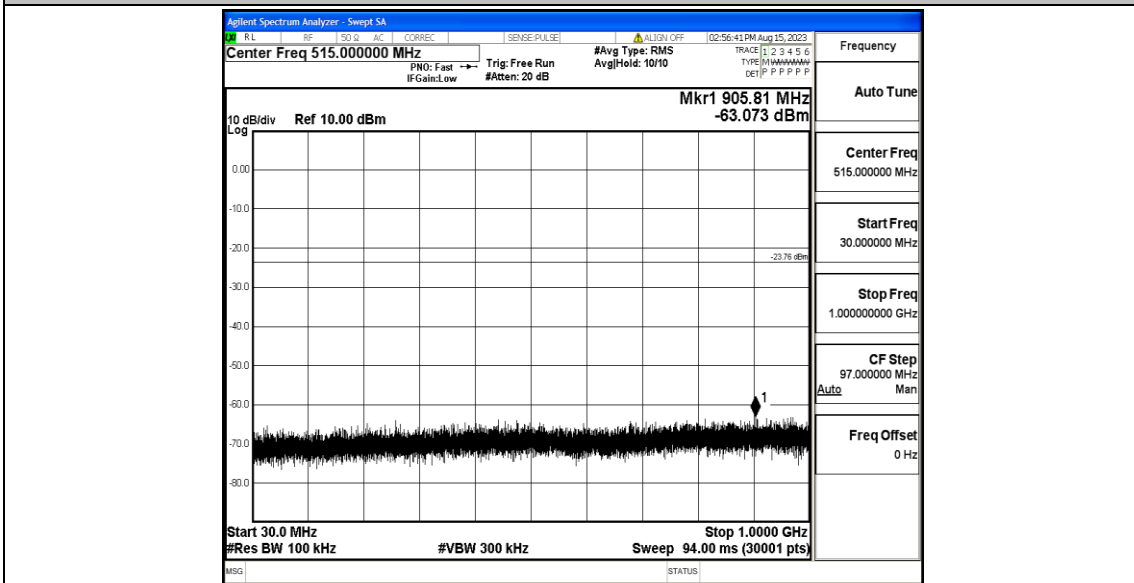
2DH5_Ant1_2441_1000~26500



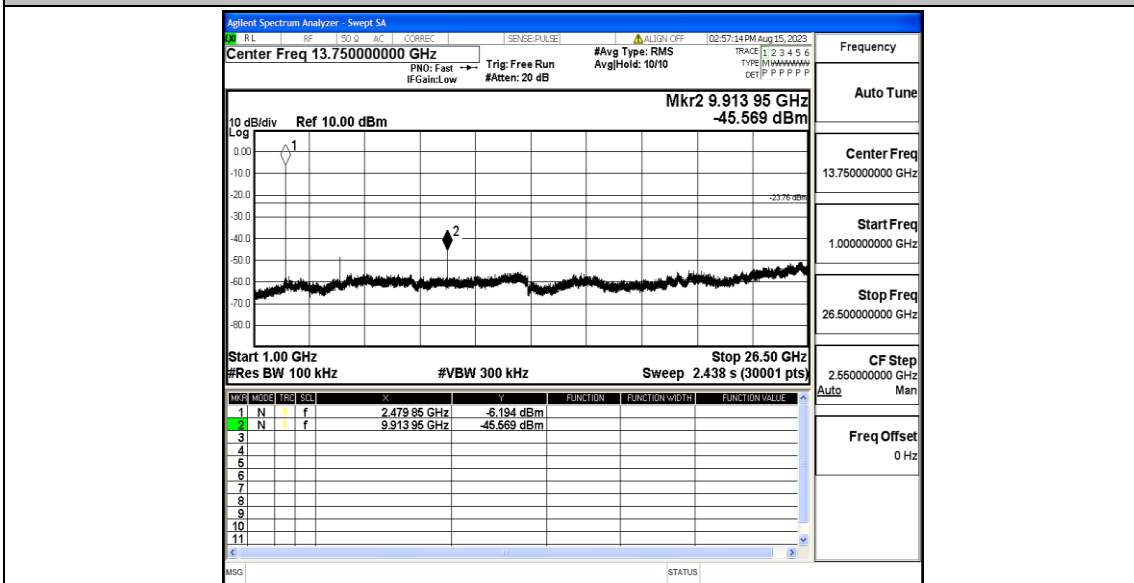
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

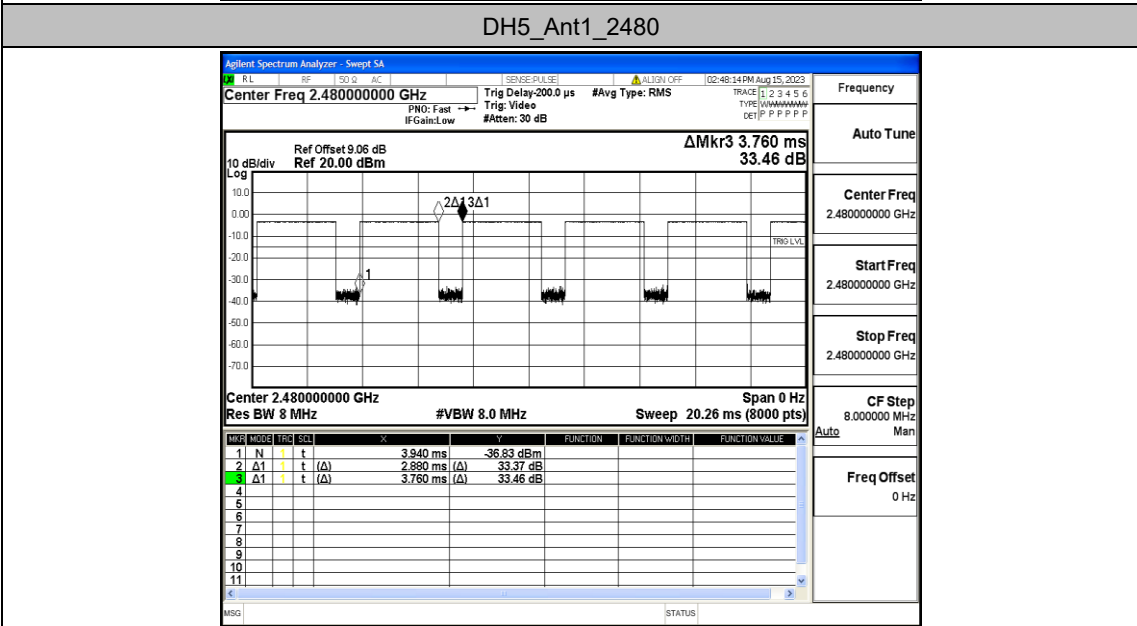
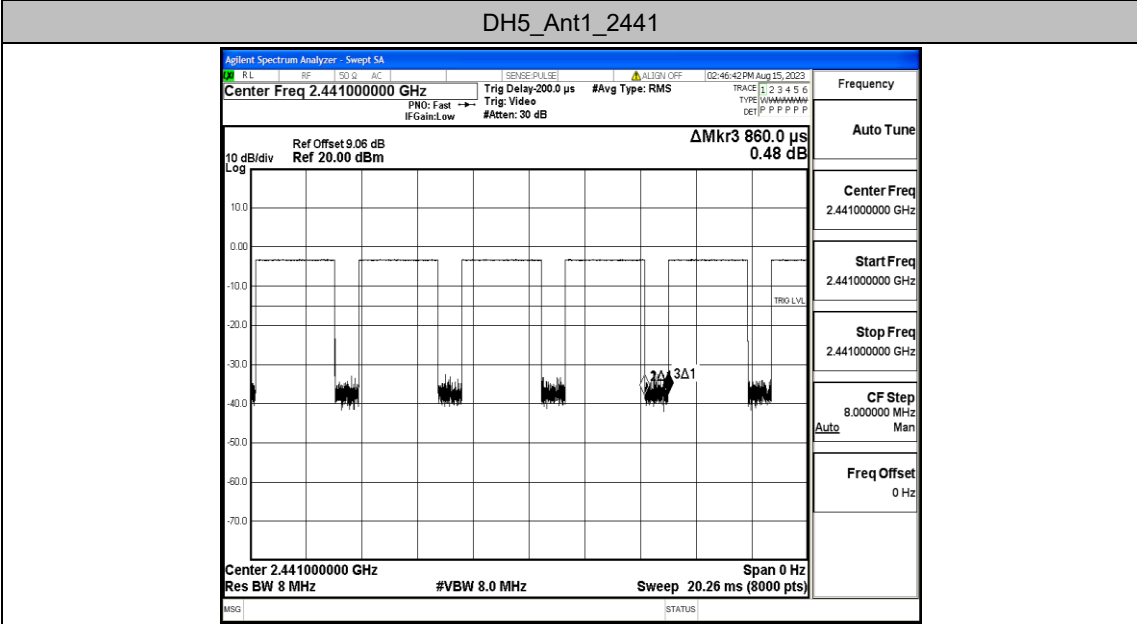
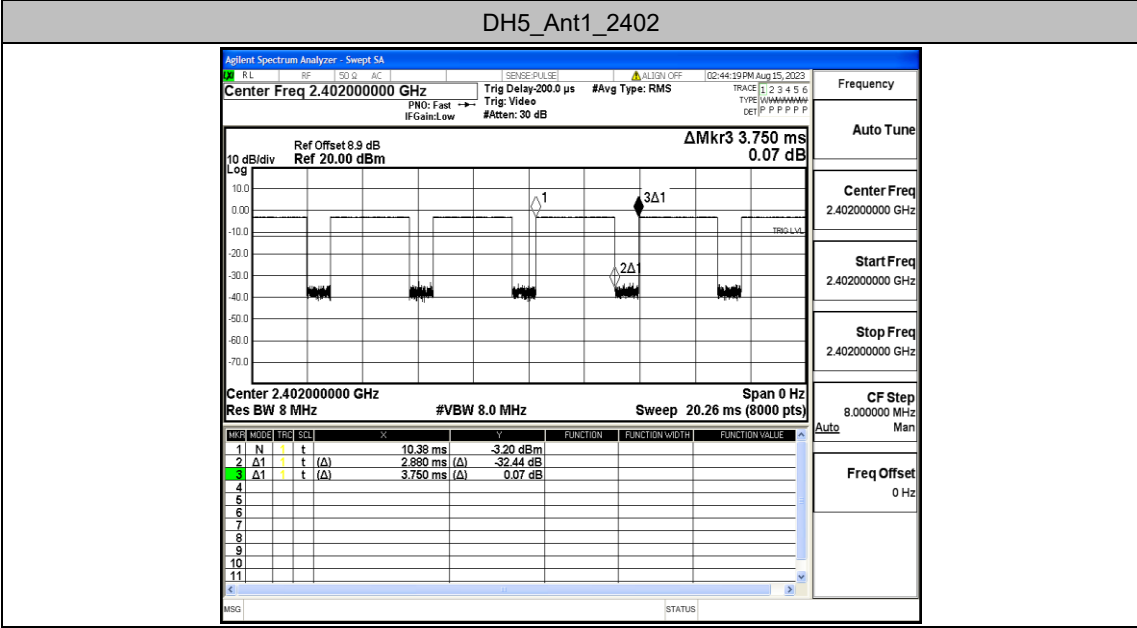


Appendix I: Duty Cycle

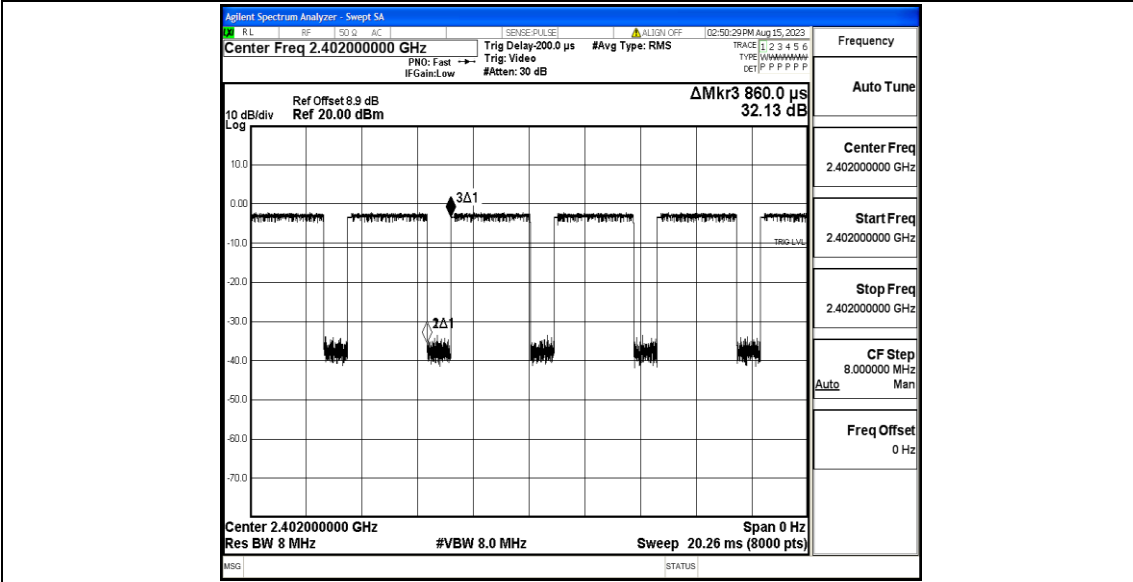
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.88	3.75	76.80	0.35
		2441	0.00	0.86	100	∞
		2480	2.88	3.76	76.60	0.35
2DH5	Ant1	2402	0.00	0.86	100	∞
		2441	0.00	0.86	100	∞
		2480	0.00	0.86	100	∞

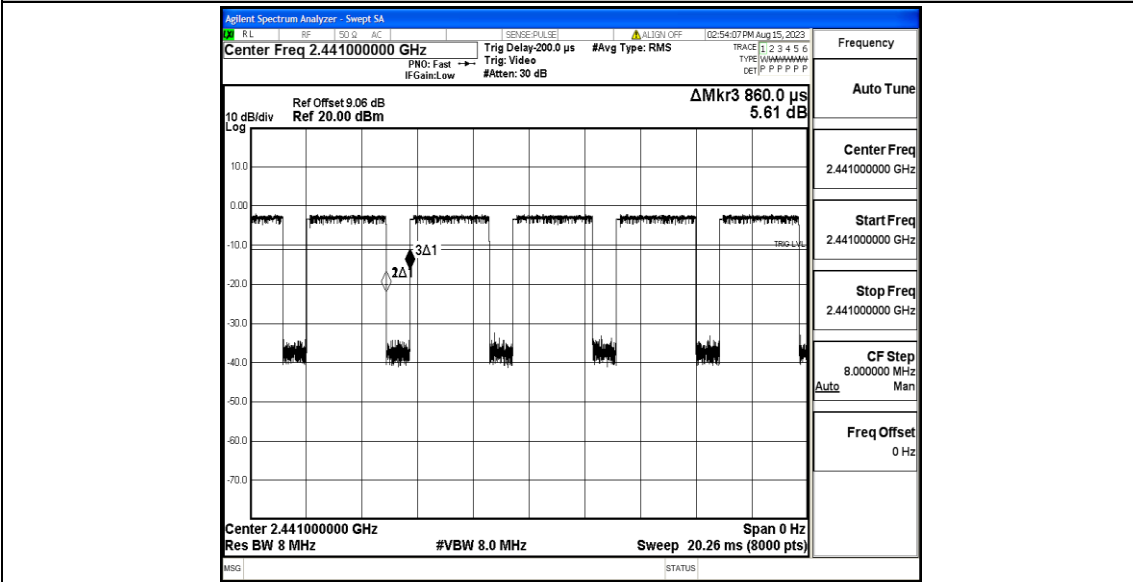
Test Graphs



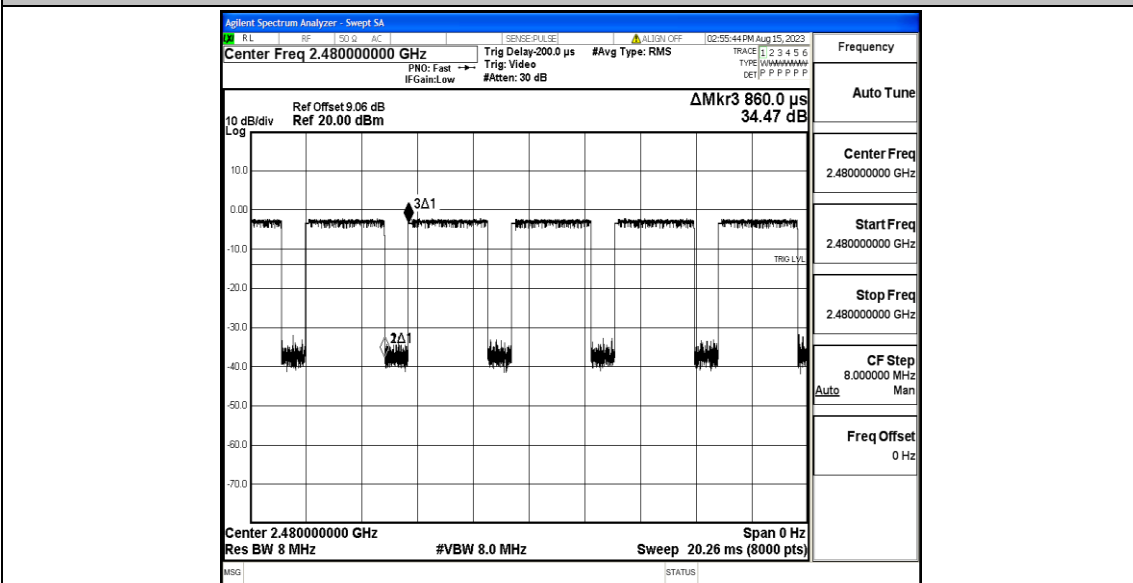
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

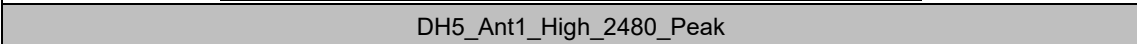
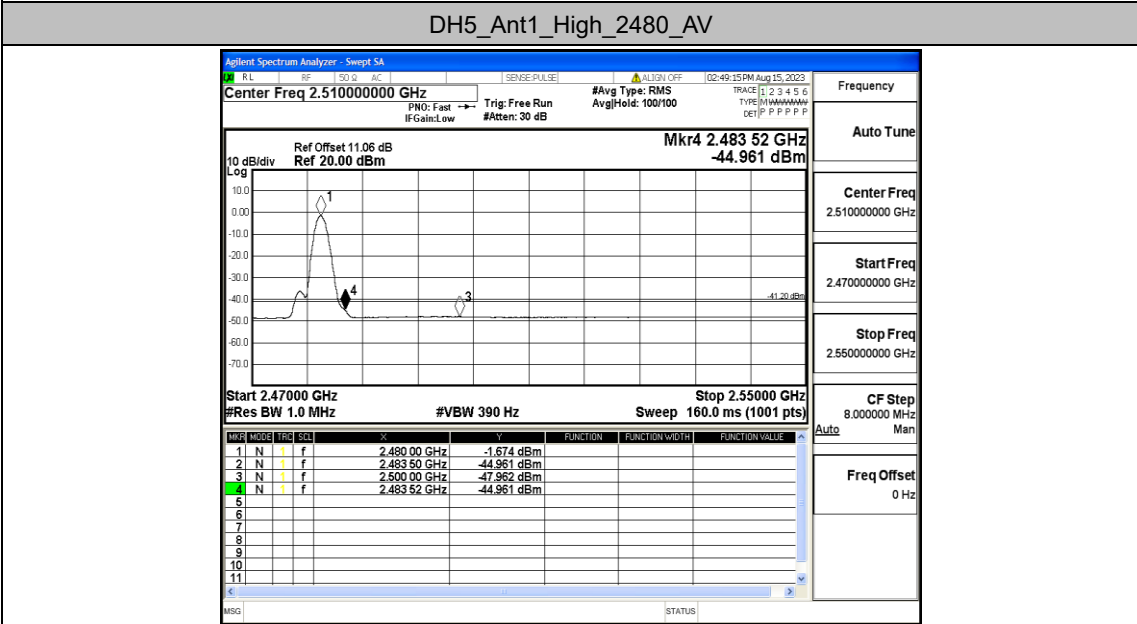
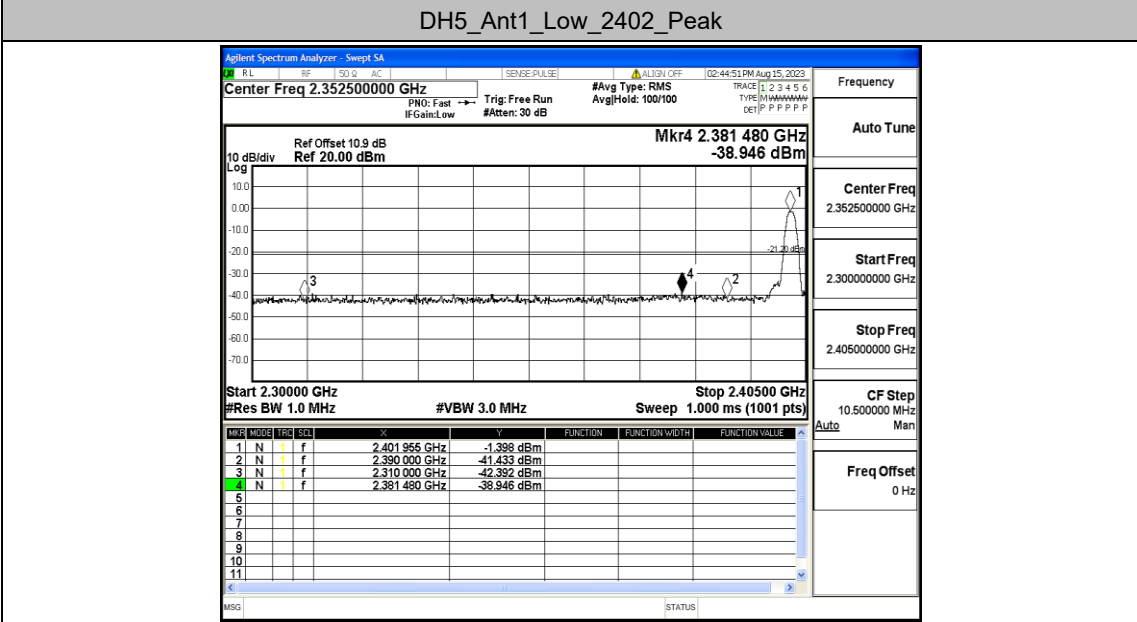
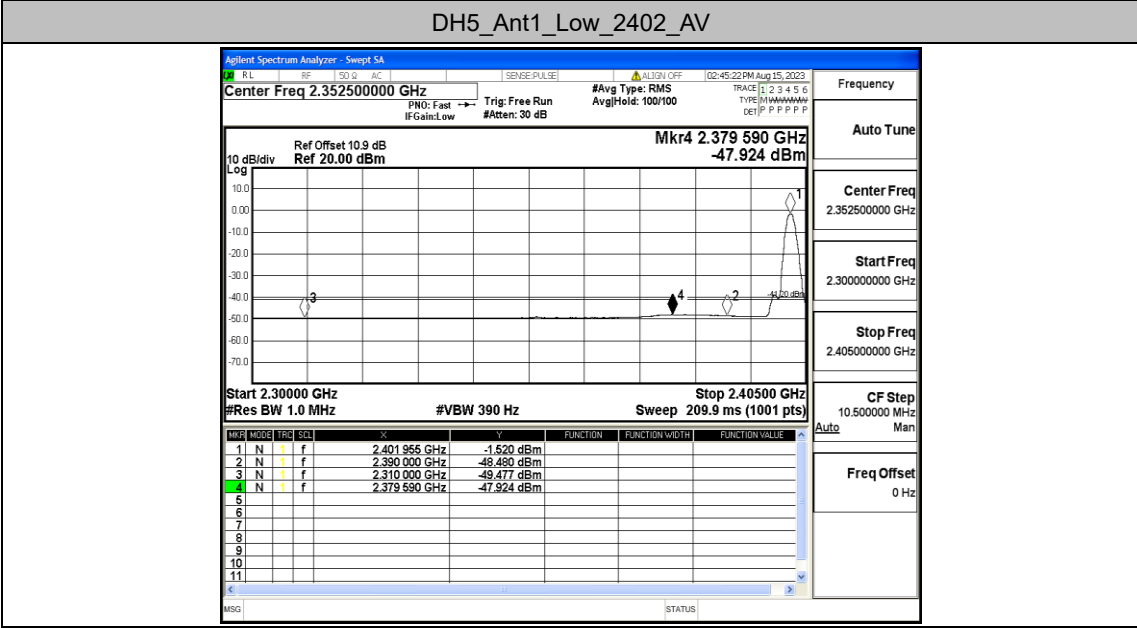
Test Result

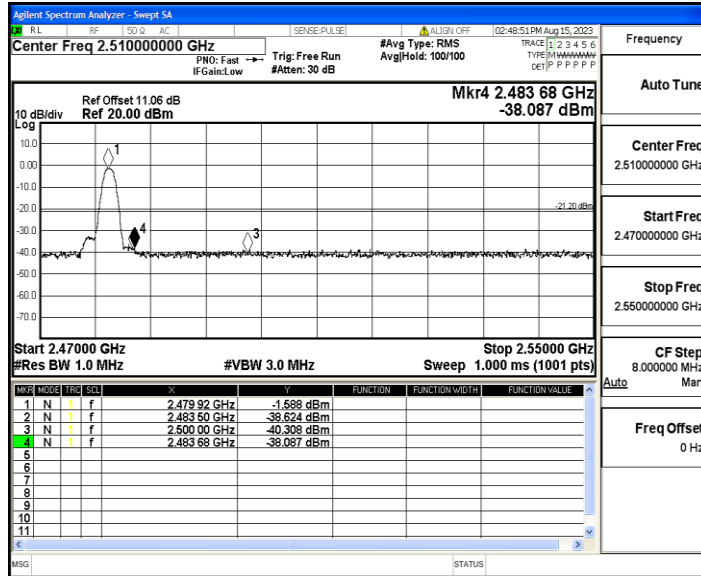
TestMode	Antenna	ChName	Channel	Detector	Freq(MHz)	Result(dBm)	Limit(dBm)	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-49.48	≤-41.20	PASS
				AV	2379.590	-47.92	≤-41.20	PASS
				AV	2390.000	-48.48	≤-41.20	PASS
				Peak	2310.000	-42.39	≤-21.20	PASS
				Peak	2381.480	-38.95	≤-21.20	PASS
				Peak	2390.000	-41.43	≤-21.20	PASS
		High	2480	AV	2483.500	-44.96	≤-41.20	PASS
				AV	2483.520	-44.96	≤-41.20	PASS
				AV	2500.000	-47.96	≤-41.20	PASS
				Peak	2483.500	-38.62	≤-21.20	PASS
				Peak	2483.680	-38.09	≤-21.20	PASS
				Peak	2500.000	-40.31	≤-21.20	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.88	≤-41.20	PASS
				AV	2381.375	-48.6	≤-41.20	PASS
				AV	2390.000	-49	≤-41.20	PASS
				Peak	2310.000	-45.85	≤-21.20	PASS
				Peak	2371.190	-40.36	≤-21.20	PASS
				Peak	2390.000	-42.7	≤-21.20	PASS
		High	2480	AV	2483.500	-44.96	≤-41.20	PASS
				AV	2483.520	-44.95	≤-41.20	PASS
				AV	2500.000	-47.66	≤-41.20	PASS
				Peak	2483.500	-42.21	≤-21.20	PASS
				Peak	2492.800	-39.56	≤-21.20	PASS
				Peak	2500.000	-41.58	≤-21.20	PASS

Note:

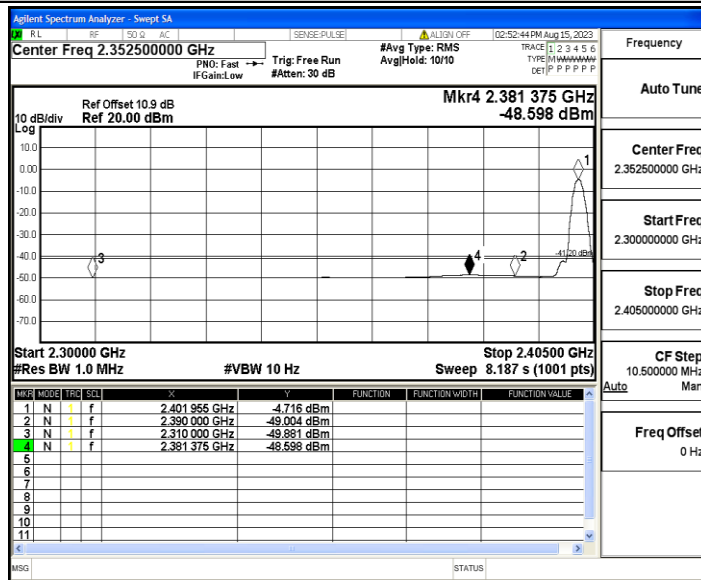
1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

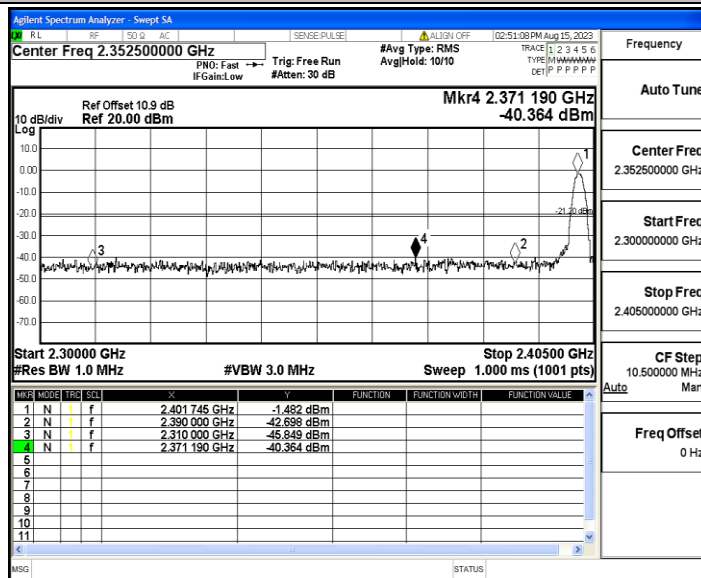




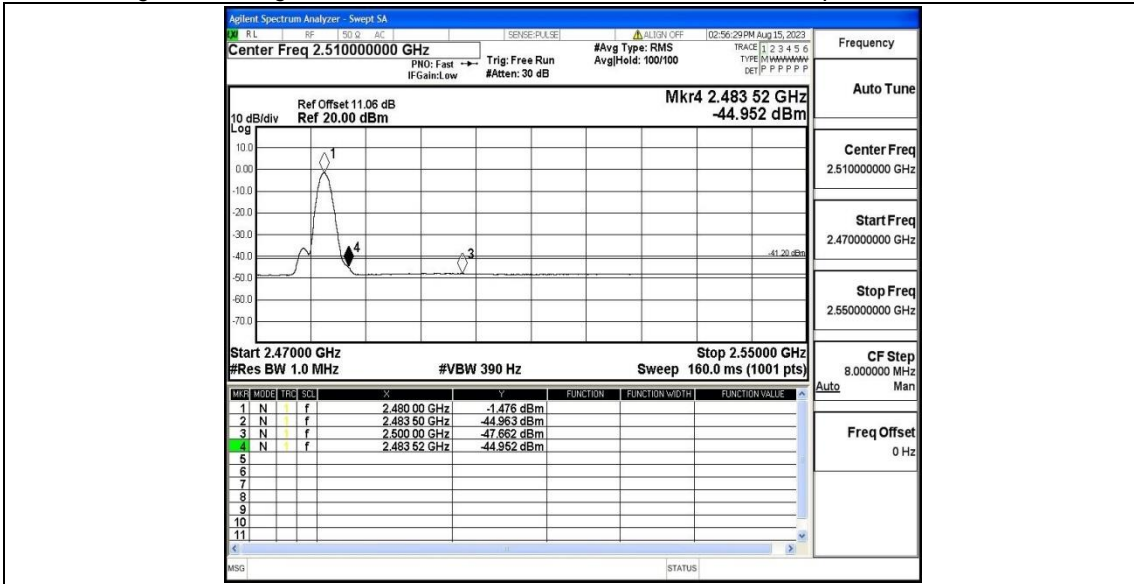
2DH5_Ant1_Low_2402_AV



2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak

