

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

Product Name: Smart Watch

Trade Mark: N/A

Test Model: NOTHING2

FCC ID: 2AE8V-NOTHING2

Environmental Conditions

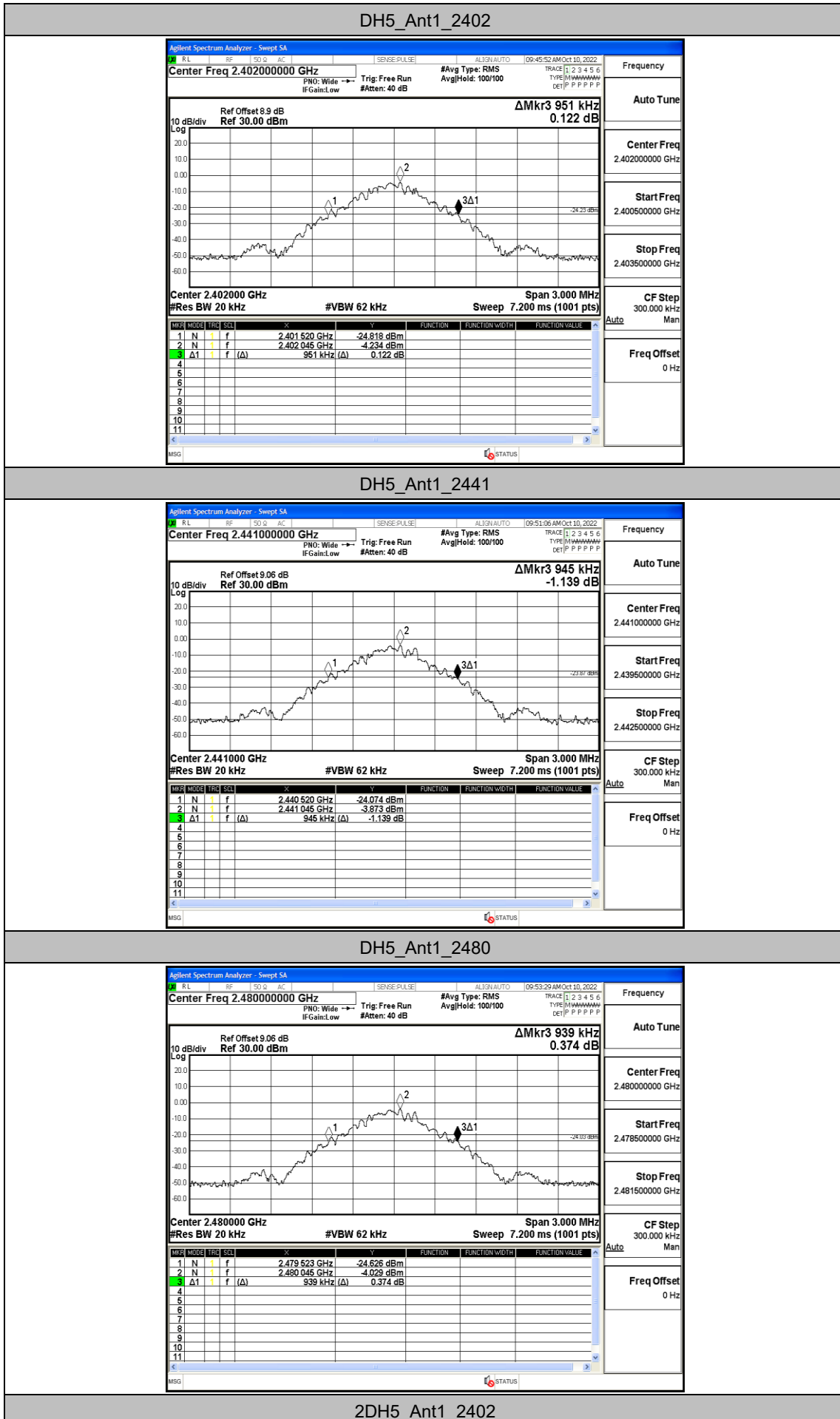
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen
NOTE	N/A

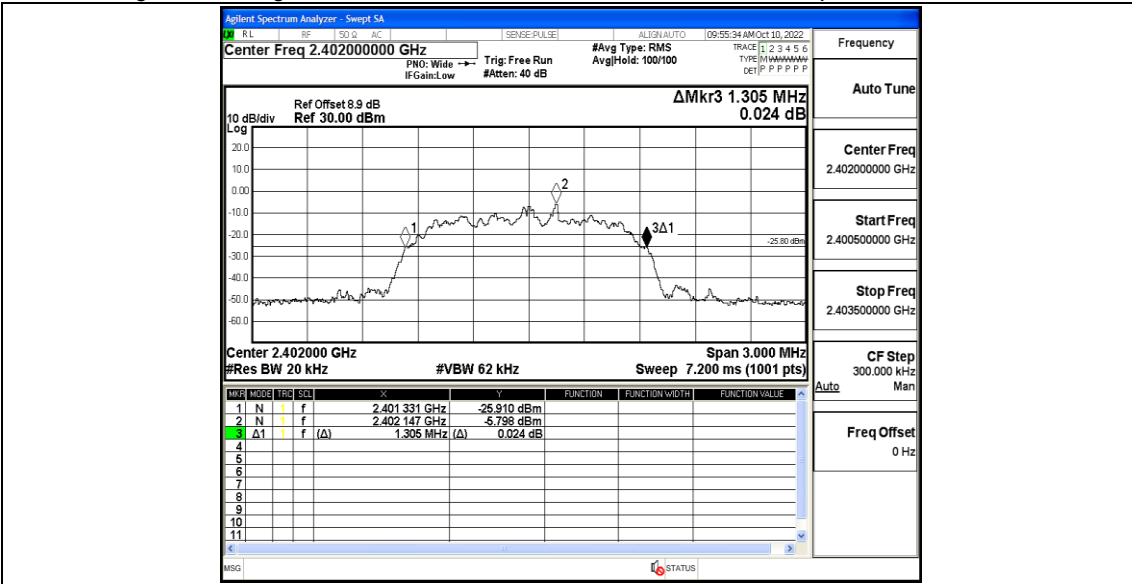
Appendix A: 20dB Emission Bandwidth

Test Result

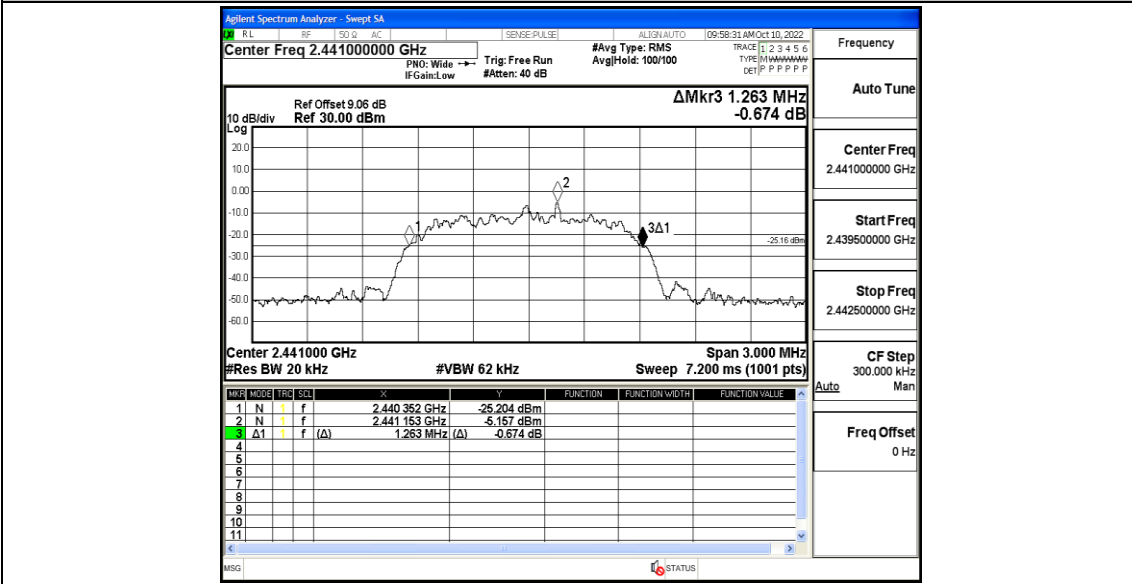
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.520	2402.471	---	---
		2441	0.945	2440.520	2441.465	---	---
		2480	0.939	2479.523	2480.462	---	---
2DH5	Ant1	2402	1.305	2401.331	2402.636	---	---
		2441	1.263	2440.352	2441.615	---	---
		2480	1.317	2479.325	2480.642	---	---
3DH5	Ant1	2402	1.302	2401.334	2402.636	---	---
		2441	1.302	2440.334	2441.636	---	---
		2480	1.299	2479.334	2480.633	---	---

Test Graphs

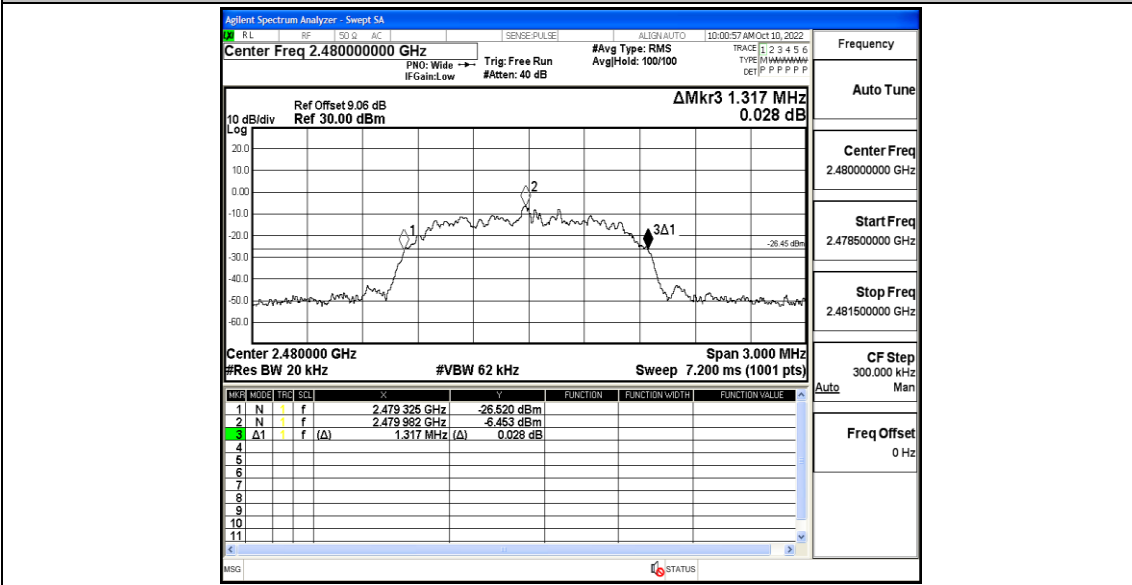




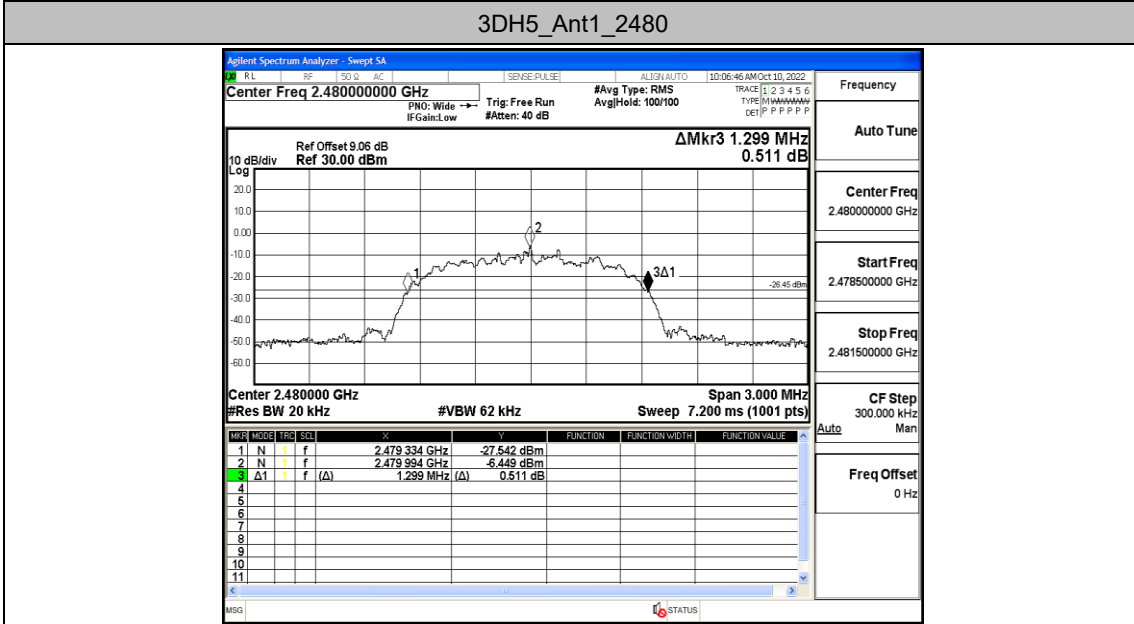
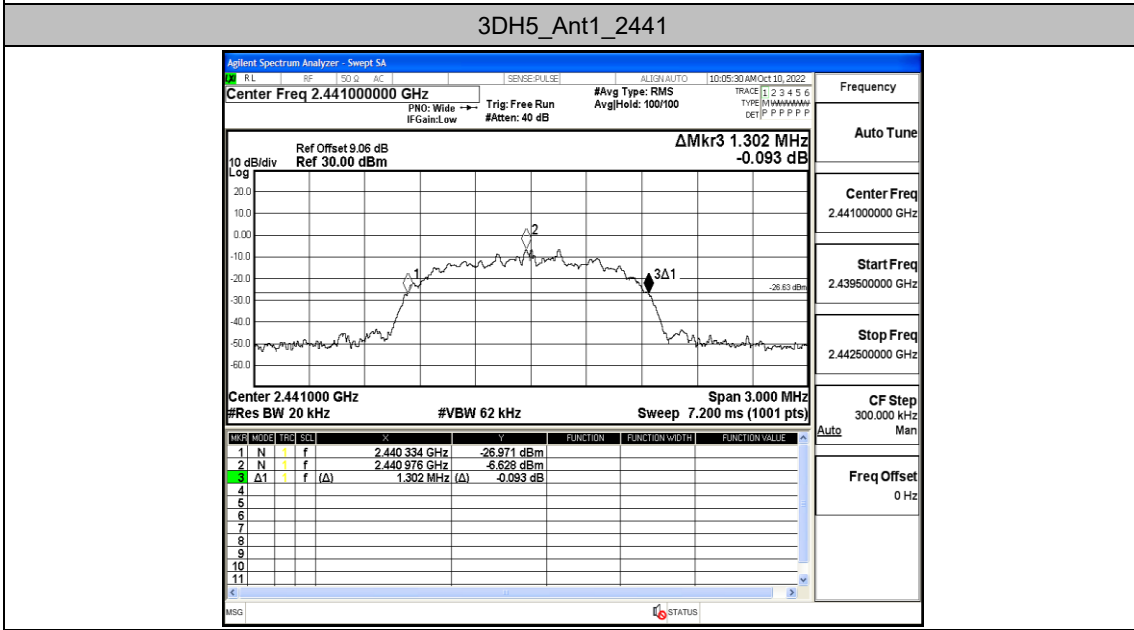
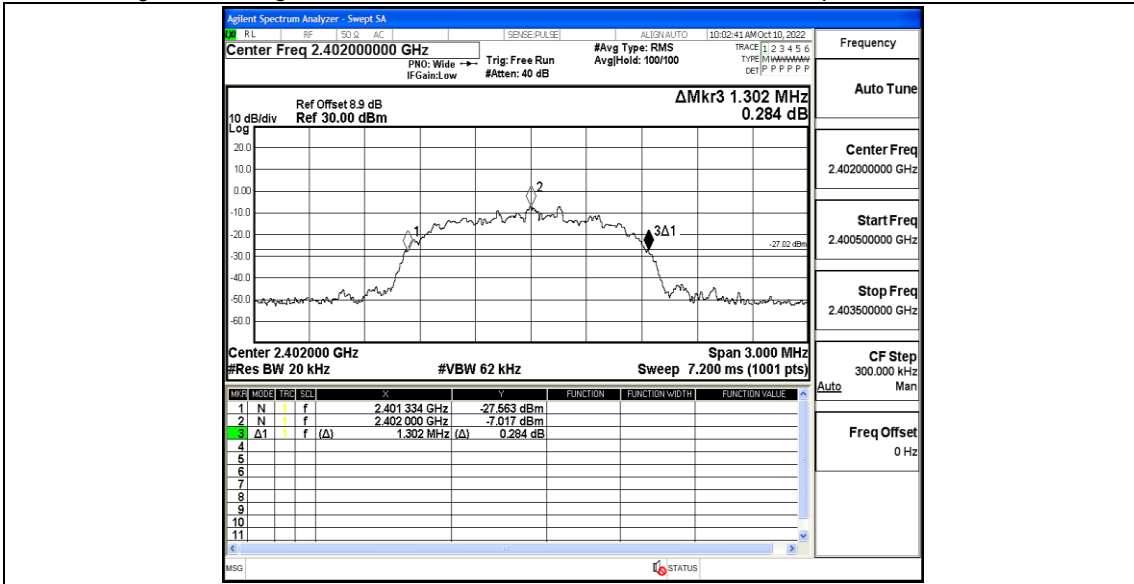
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402

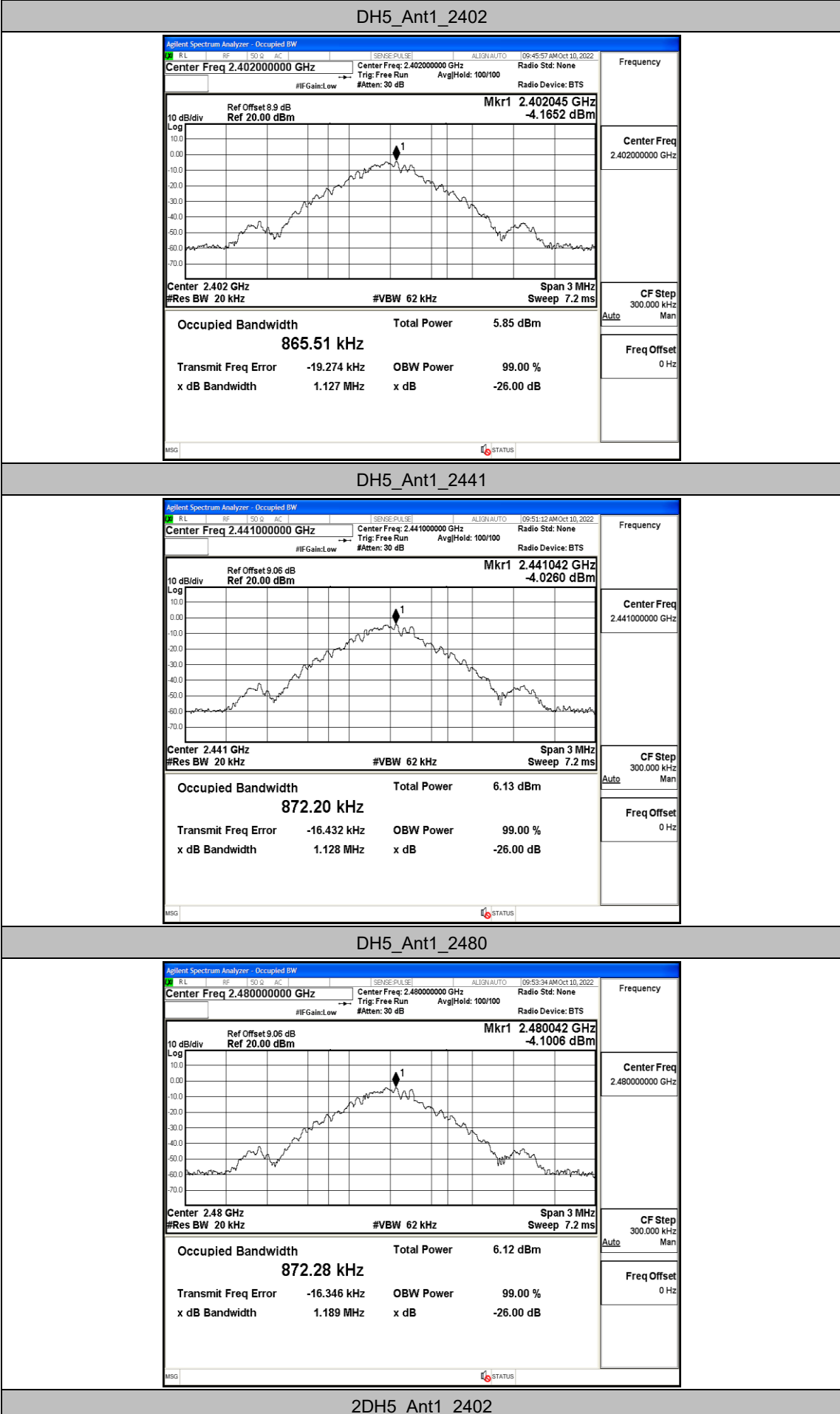


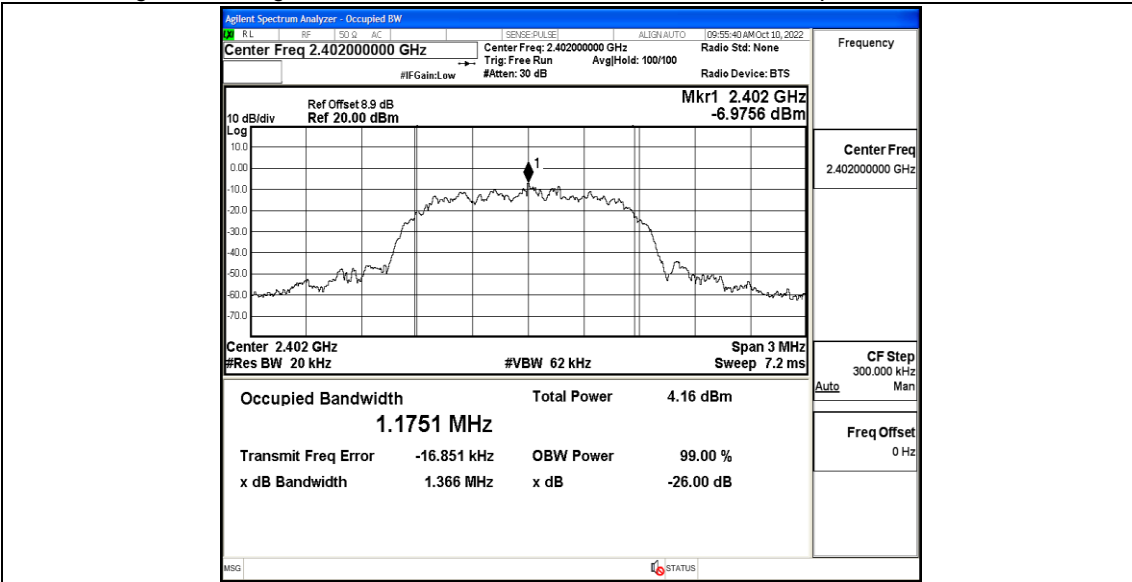
Appendix B: Occupied Channel Bandwidth

Test Result

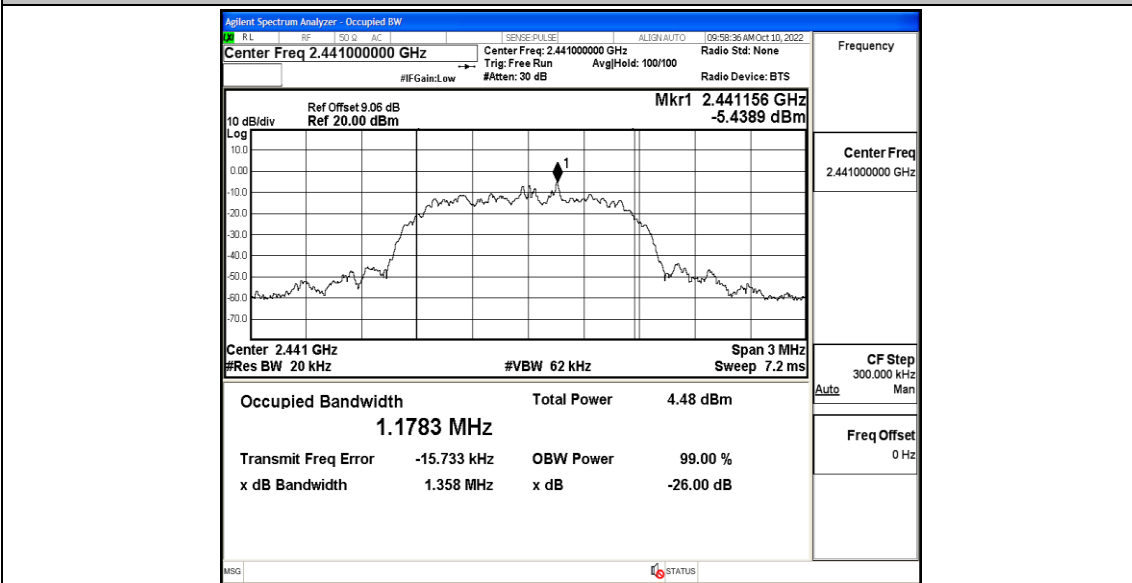
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86551	2401.5480	2402.4135	---	---
		2441	0.87220	2440.5475	2441.4197	---	---
		2480	0.87228	2479.5475	2480.4198	---	---
2DH5	Ant1	2402	1.1751	2401.3956	2402.5707	---	---
		2441	1.1783	2440.3951	2441.5734	---	---
		2480	1.1714	2479.3956	2480.5670	---	---
3DH5	Ant1	2402	1.1787	2401.3910	2402.5697	---	---
		2441	1.1910	2440.3823	2441.5733	---	---
		2480	1.1709	2479.3998	2480.5707	---	---

Test Graphs

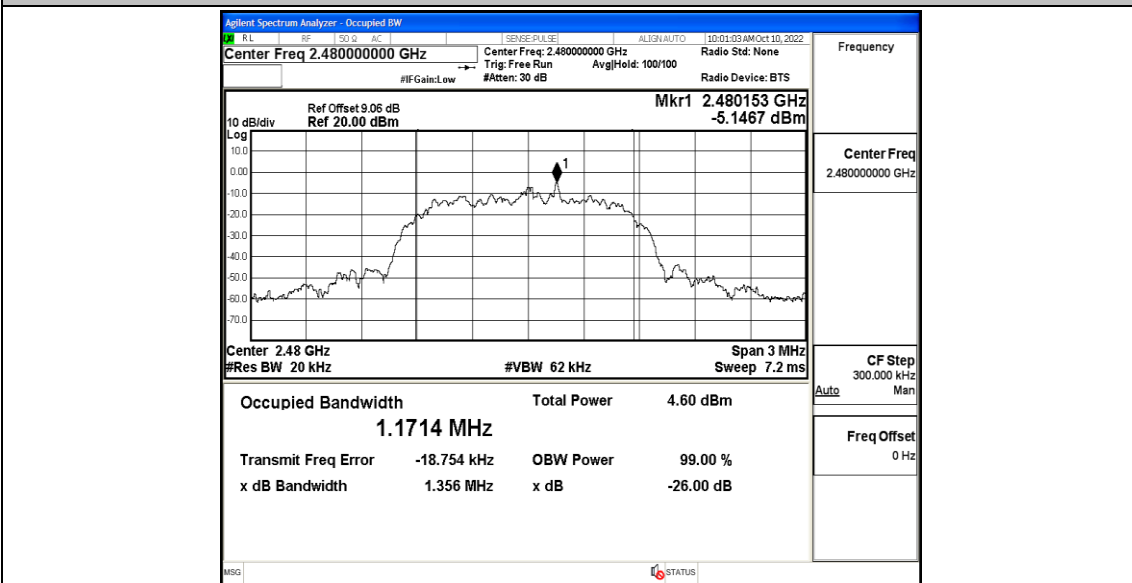




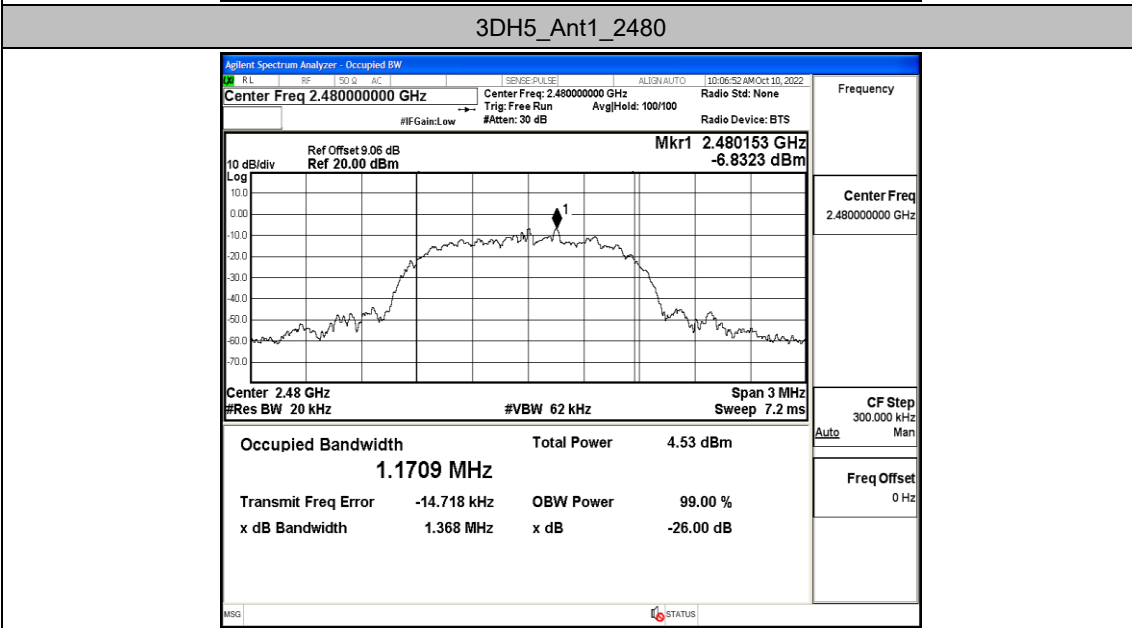
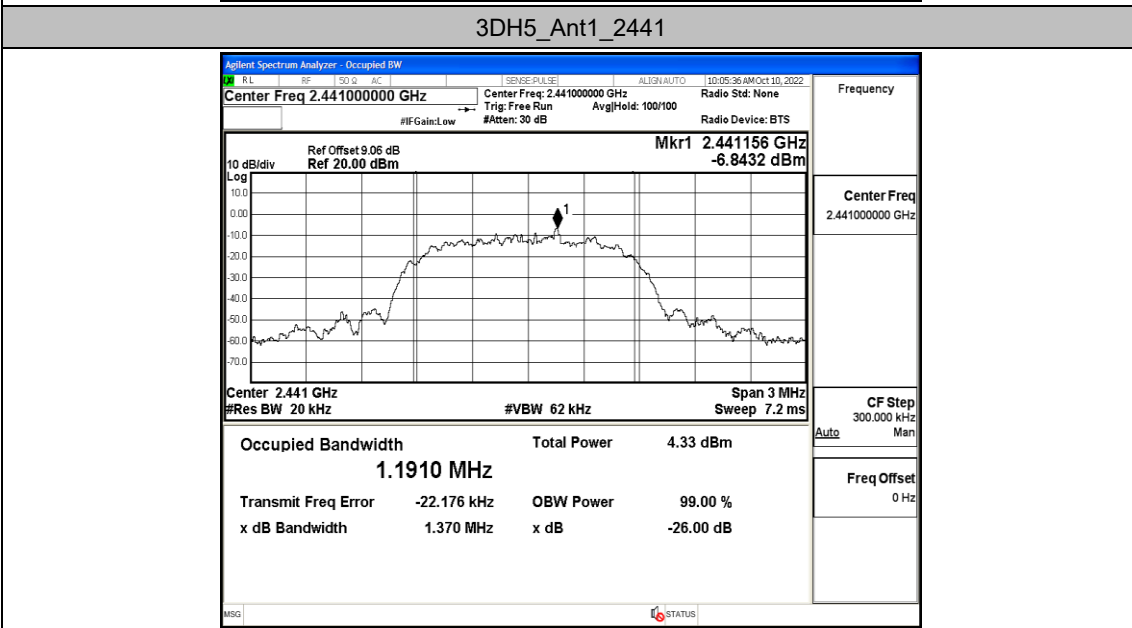
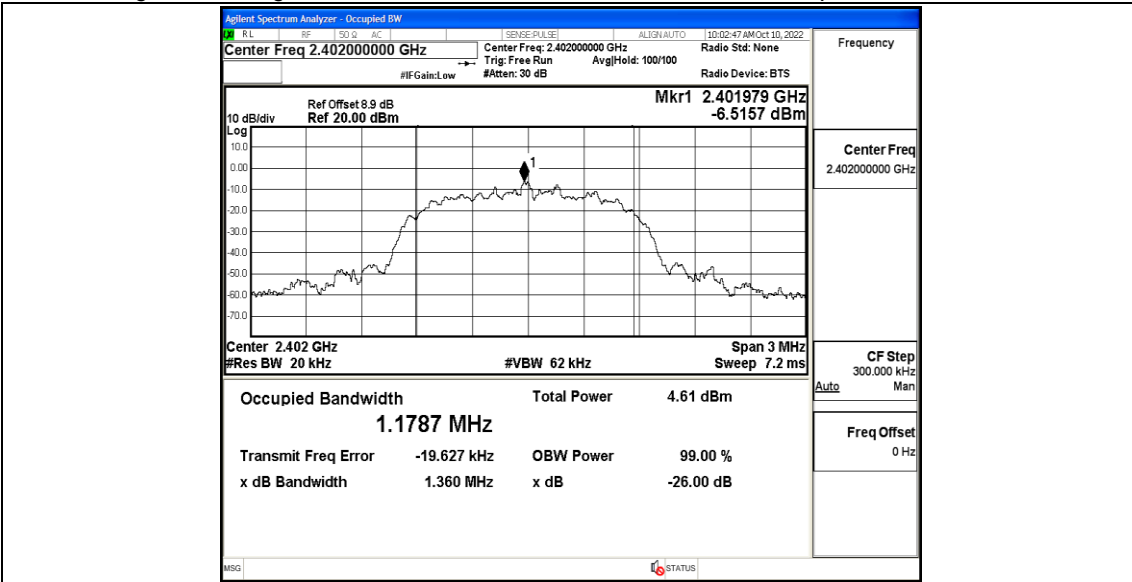
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402

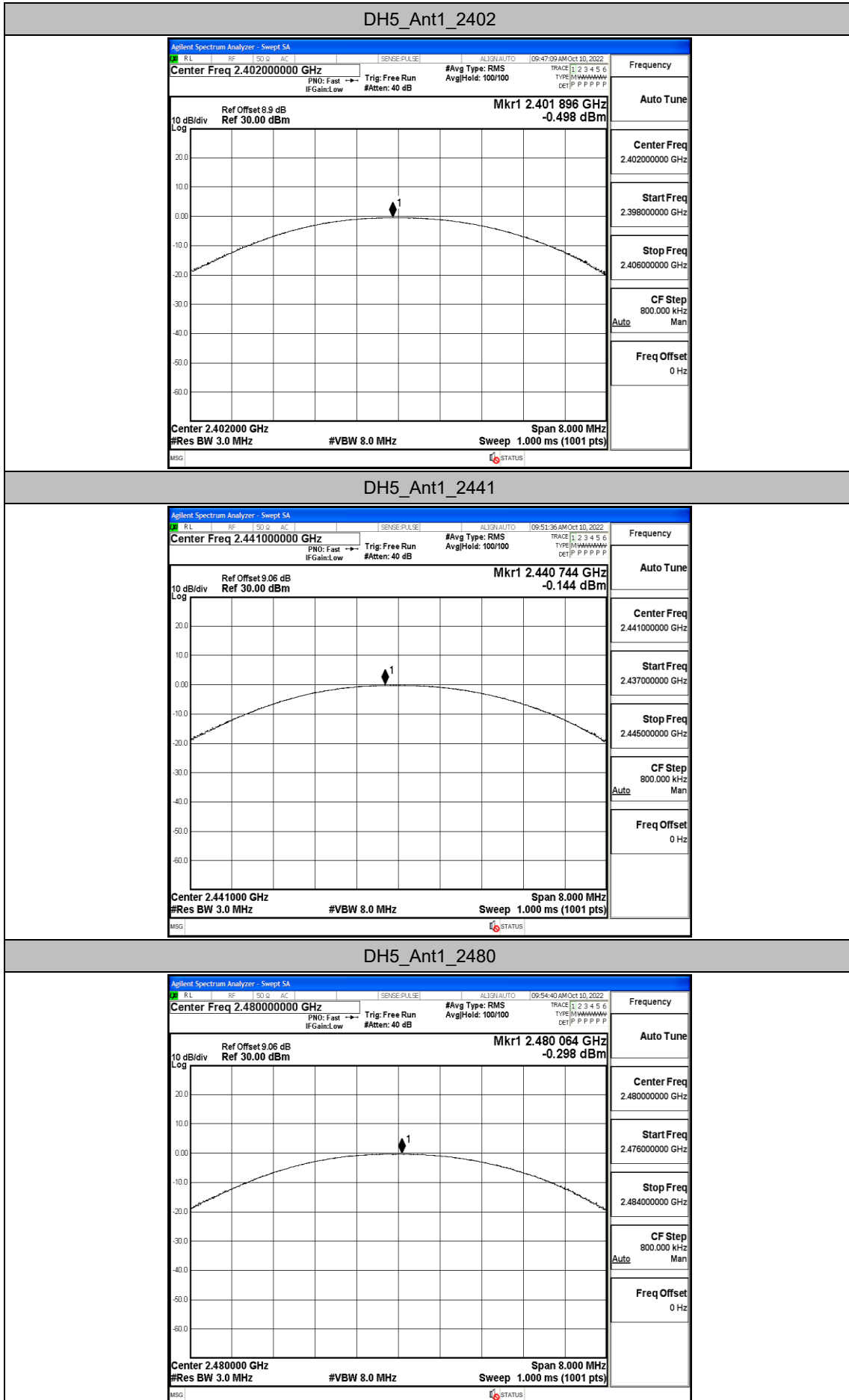


Appendix C: Maximum Peak conducted output power

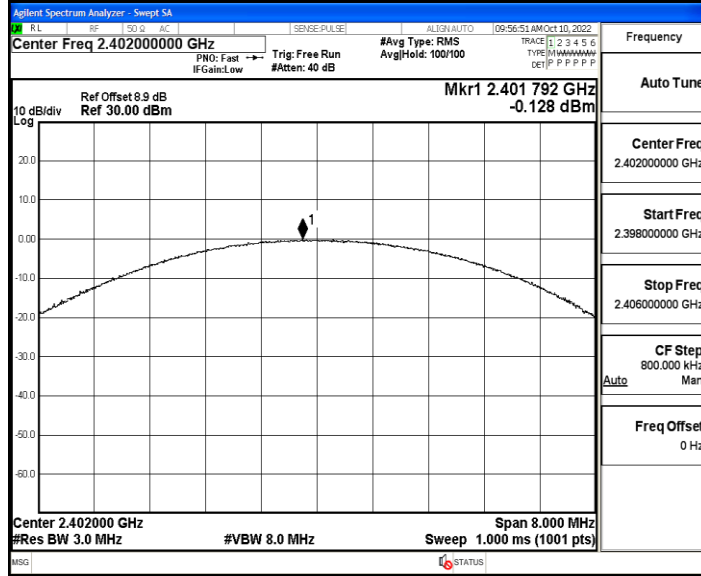
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.5	≤30	PASS
		2441	-0.14	≤30	PASS
		2480	-0.3	≤30	PASS
2DH5	Ant1	2402	-0.13	≤20.97	PASS
		2441	0.21	≤20.97	PASS
		2480	0.06	≤20.97	PASS
3DH5	Ant1	2402	0.35	≤20.97	PASS
		2441	0.67	≤20.97	PASS
		2480	0.57	≤20.97	PASS

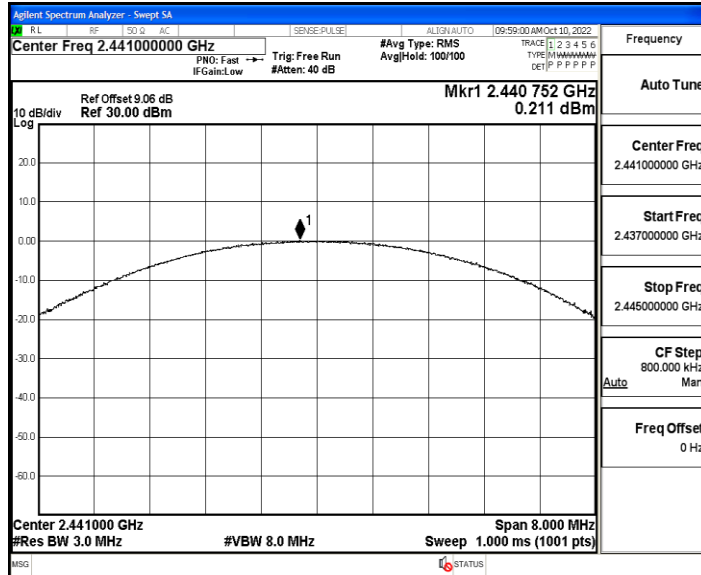
Test Graphs



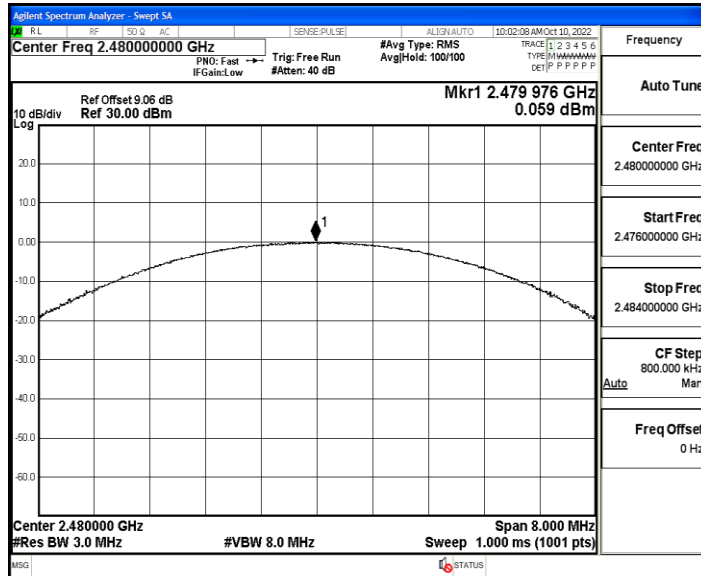
2DH5_Ant1_2402



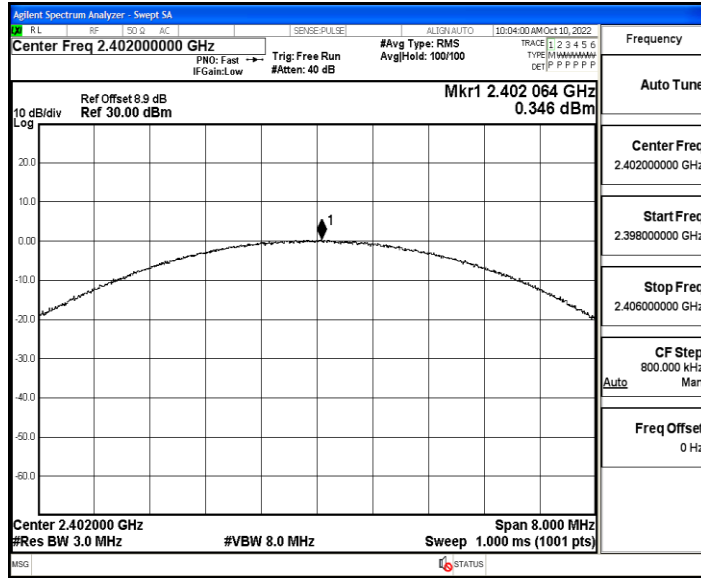
2DH5_Ant1_2441



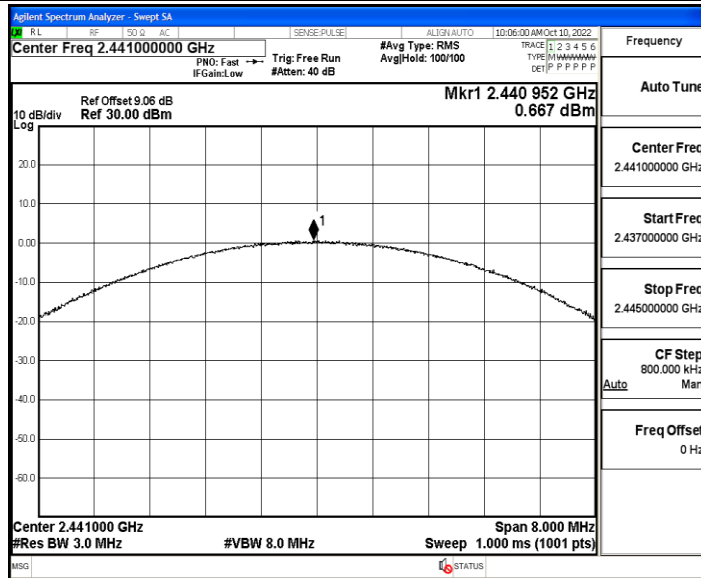
2DH5_Ant1_2480



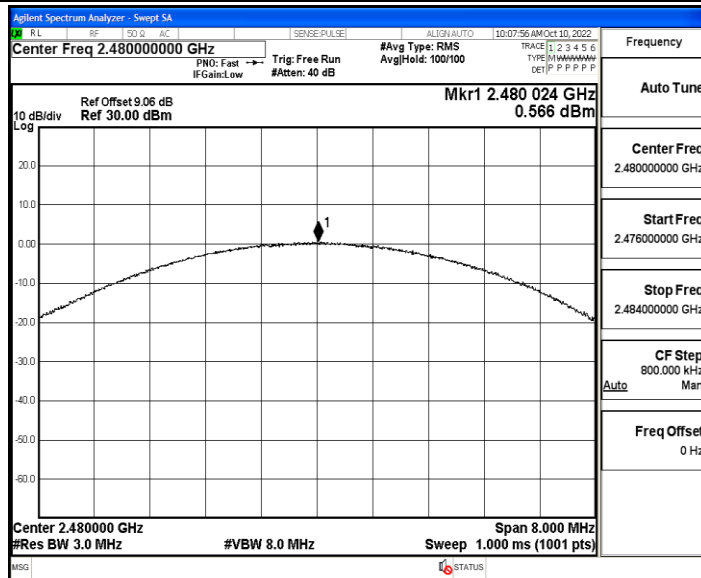
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

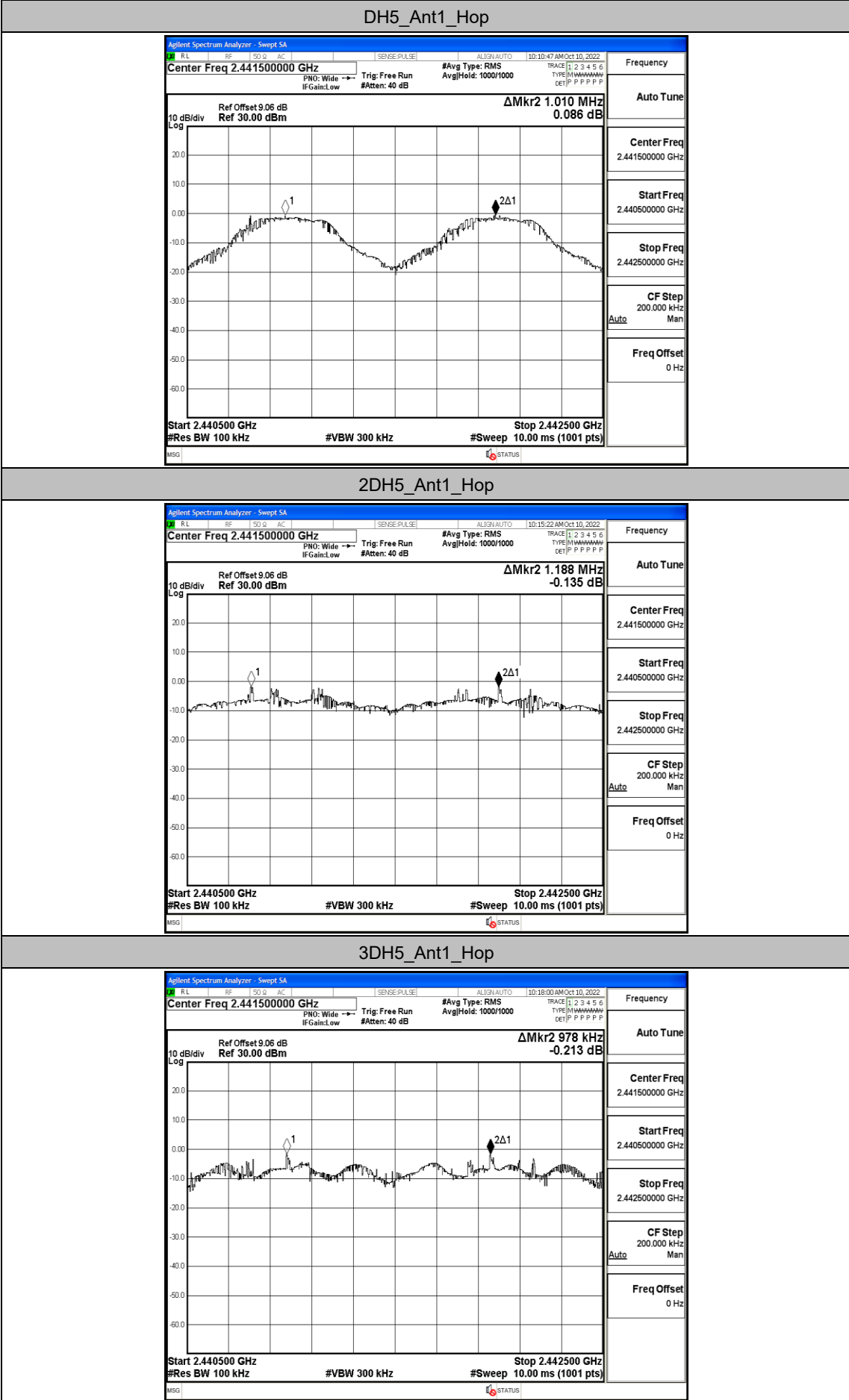


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥ 0.951	PASS
2DH5	Ant1	Hop	1.188	≥ 0.878	PASS
3DH5	Ant1	Hop	0.978	≥ 0.868	PASS

Test Graphs

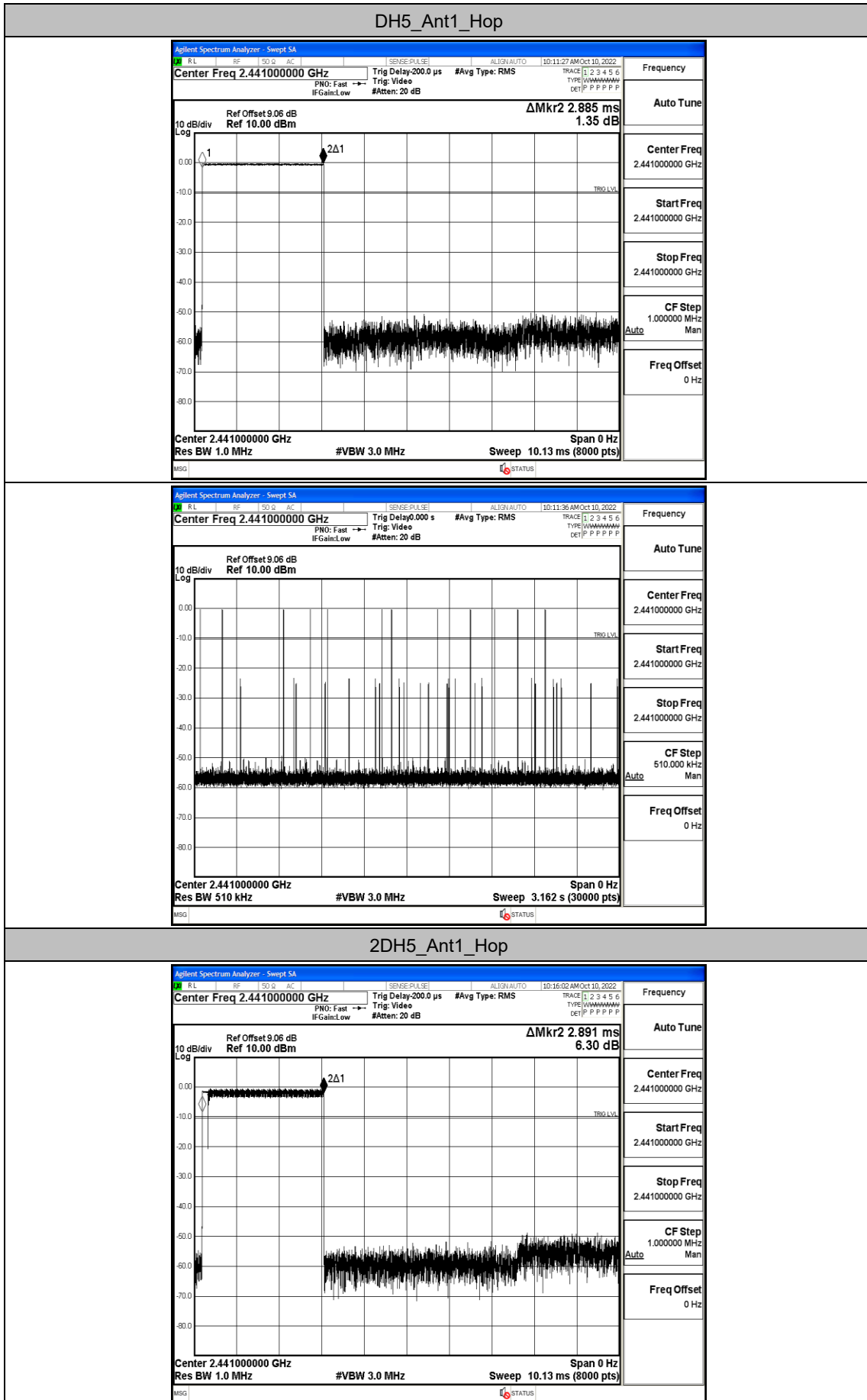


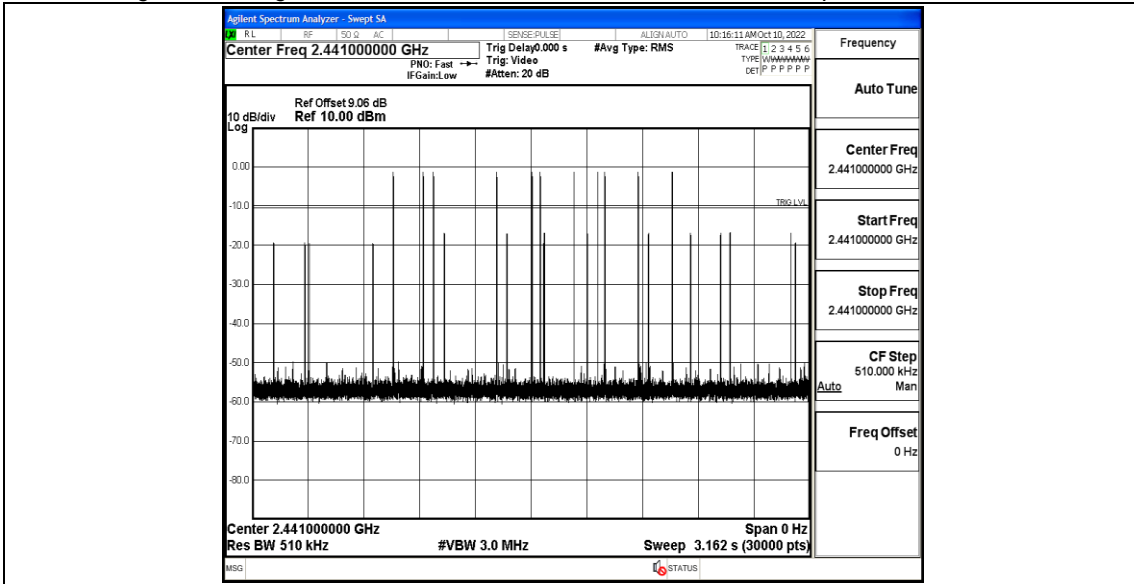
Appendix E: Time of occupancy

Test Result

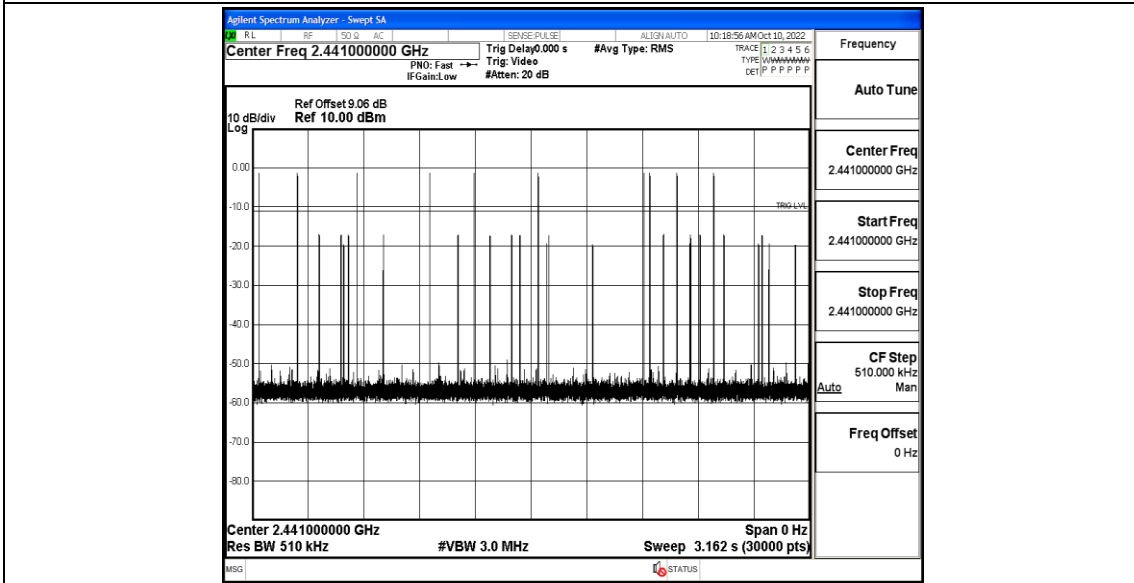
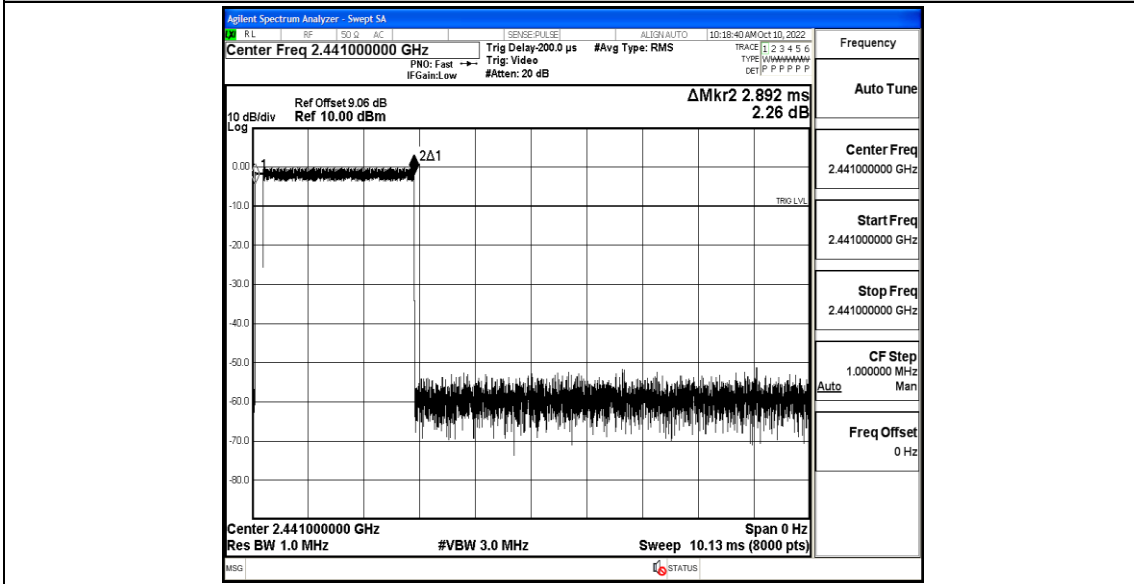
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	130	0.375	≤0.4	PASS
2DH5	Ant1	Hop	2.891	120	0.347	≤0.4	PASS
3DH5	Ant1	Hop	2.892	110	0.318	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

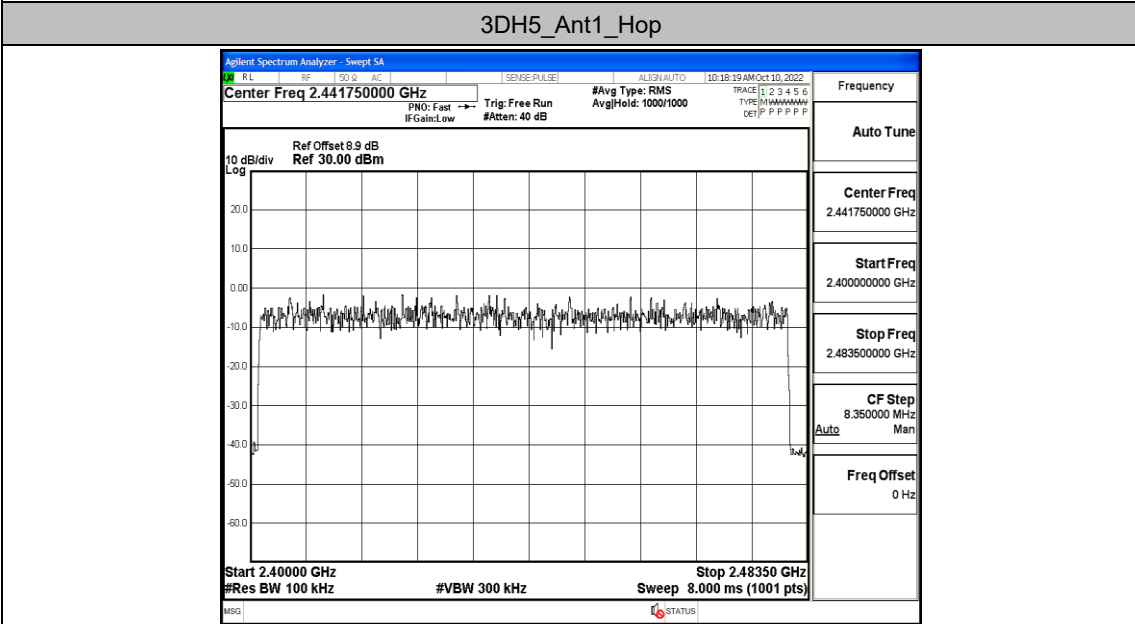
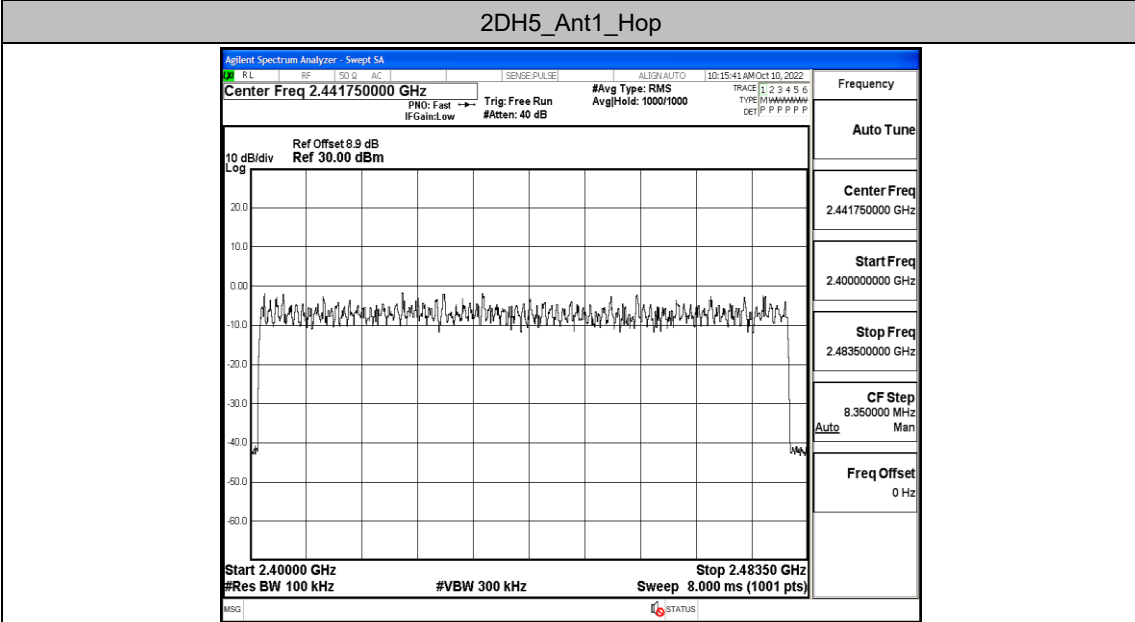
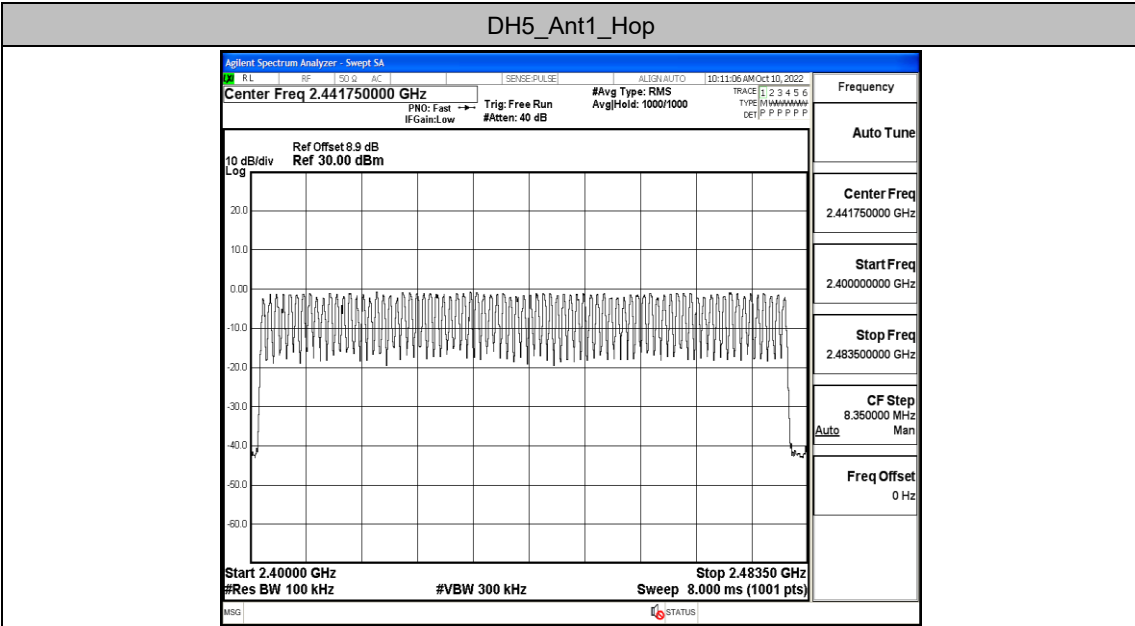


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

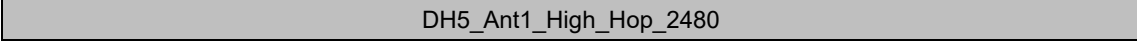
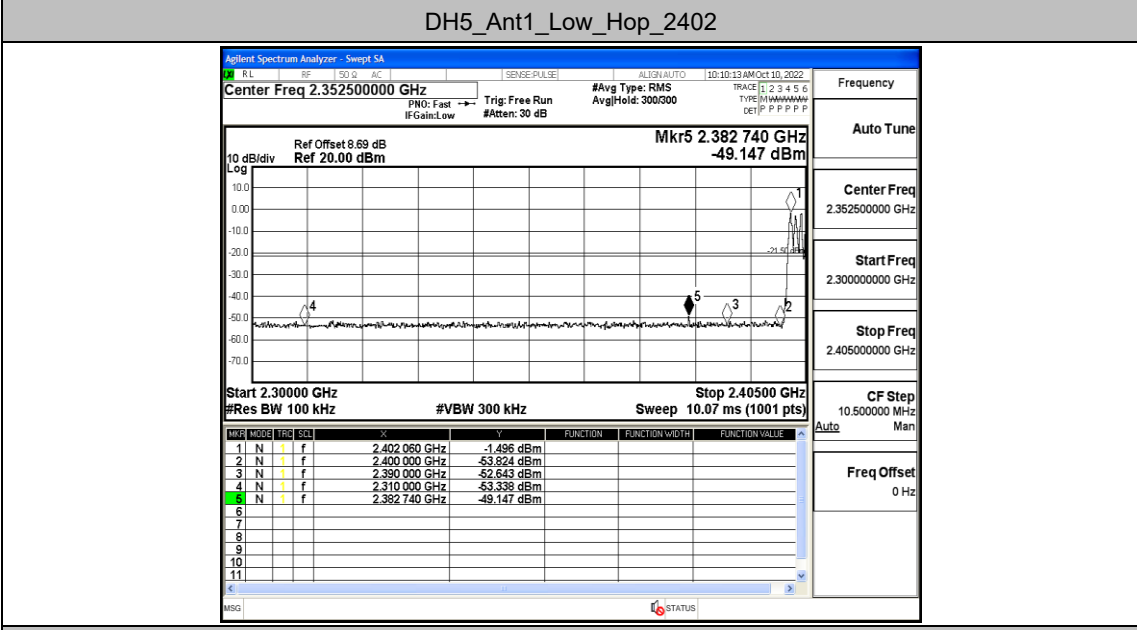
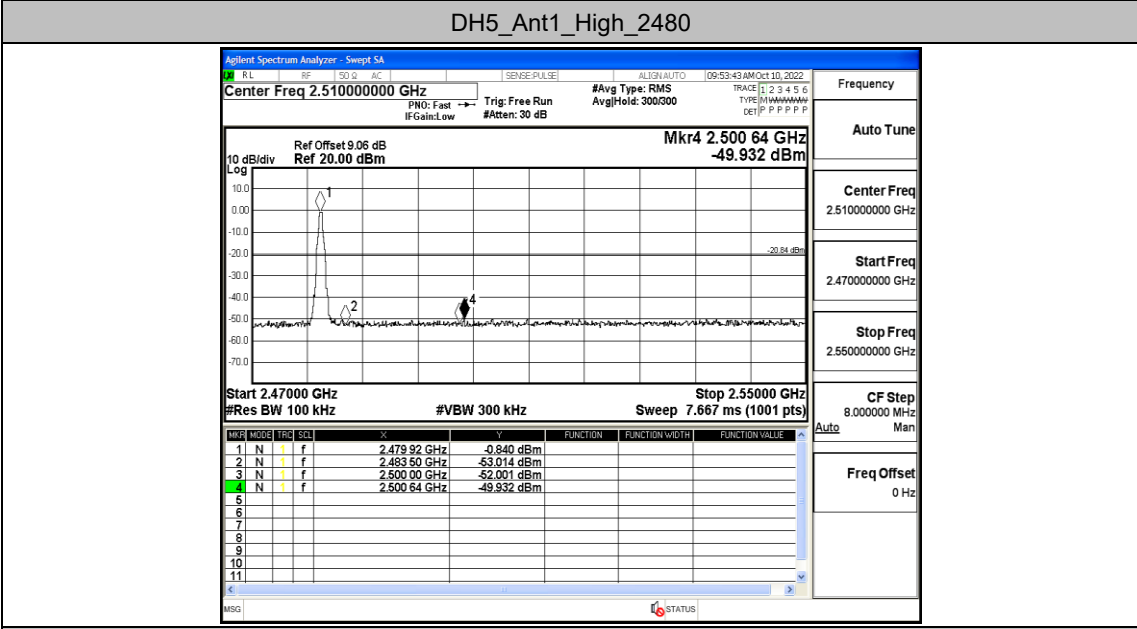
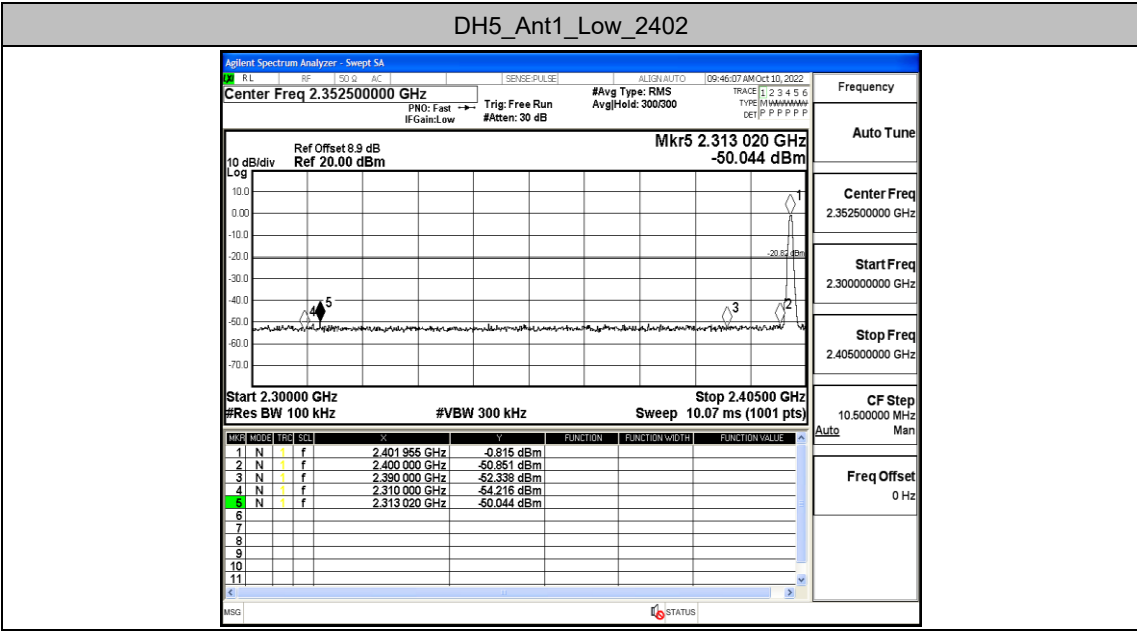


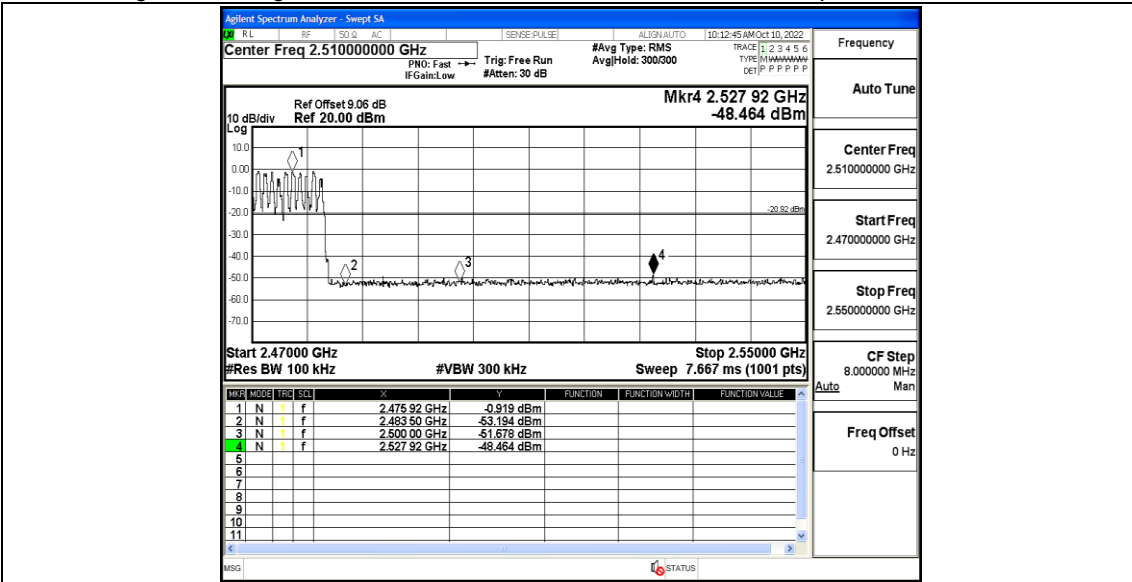
Appendix G: Band edge measurements

Test Result

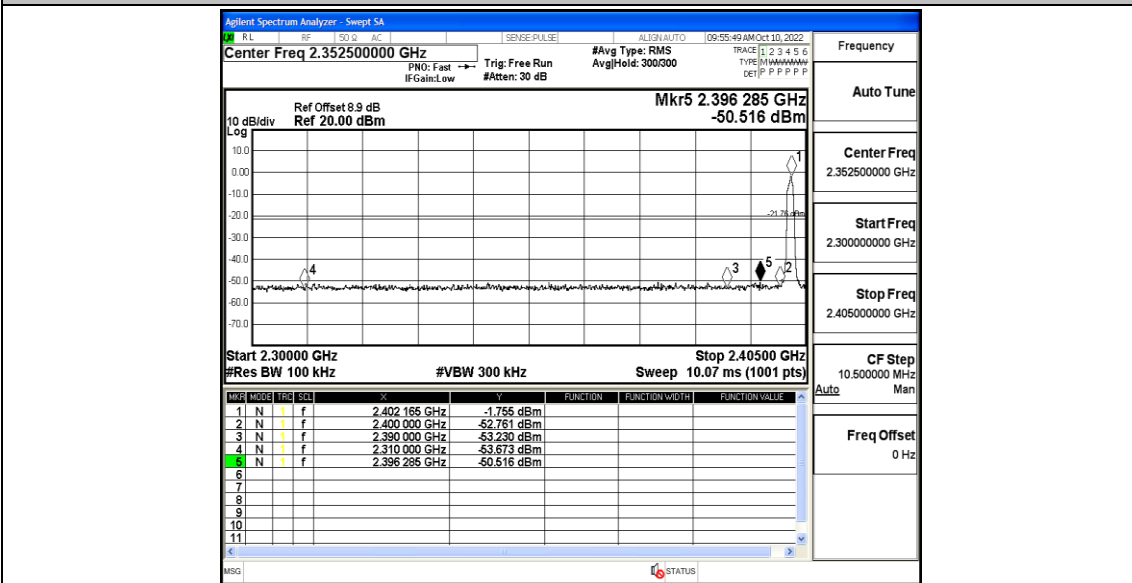
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.82	-50.04	≤-20.82	PASS
		High	2480	-0.84	-49.93	≤-20.84	PASS
		Low	Hop_2402	-1.50	-49.15	≤-21.5	PASS
		High	Hop_2480	-0.92	-48.46	≤-20.92	PASS
2DH5	Ant1	Low	2402	-1.76	-50.52	≤-21.76	PASS
		High	2480	-1.57	-49.37	≤-21.57	PASS
		Low	Hop_2402	-4.25	-51.12	≤-24.25	PASS
		High	Hop_2480	-2.03	-49.36	≤-22.03	PASS
3DH5	Ant1	Low	2402	-1.93	-50.27	≤-21.93	PASS
		High	2480	-1.65	-49.56	≤-21.65	PASS
		Low	Hop_2402	-5.10	-50.81	≤-25.1	PASS
		High	Hop_2480	-3.94	-48.69	≤-23.94	PASS

Test Graphs

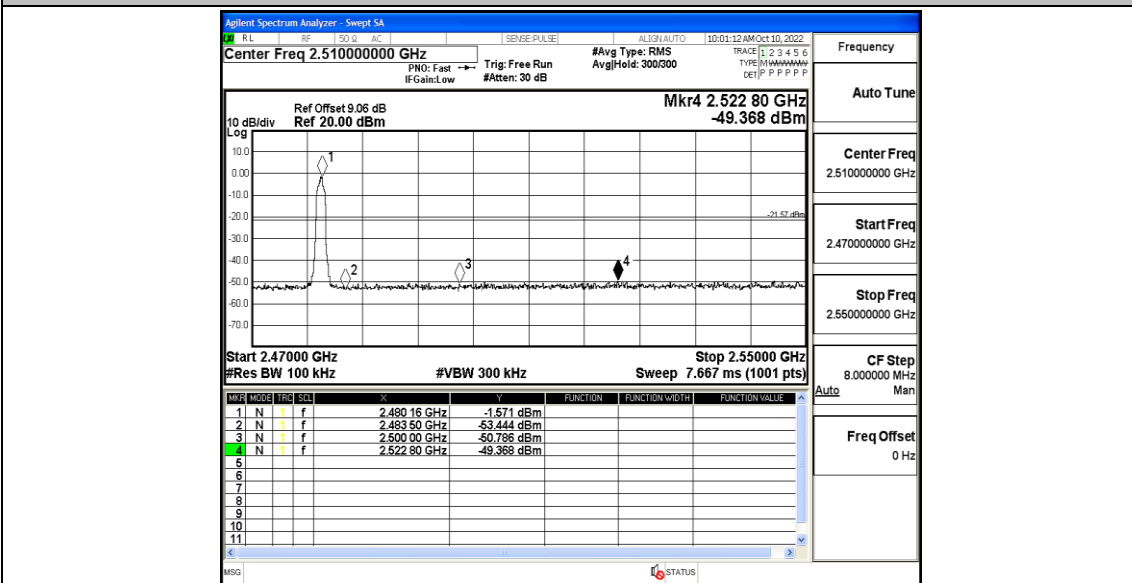




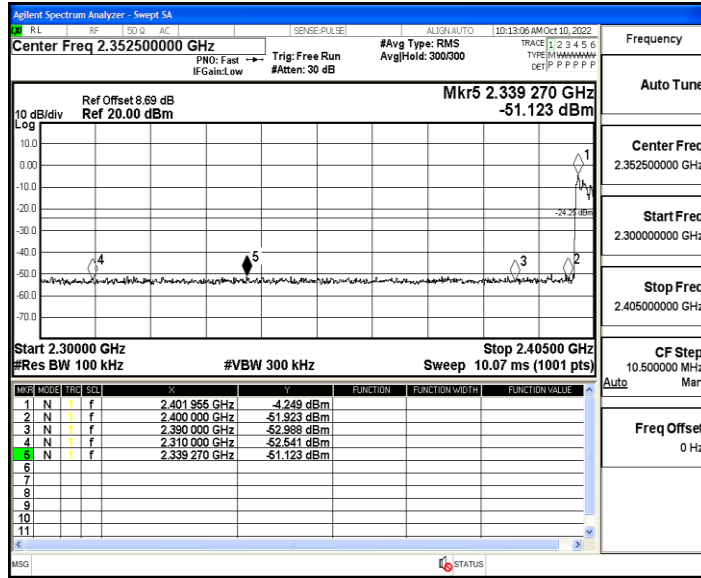
2DH5_Ant1_Low_2402



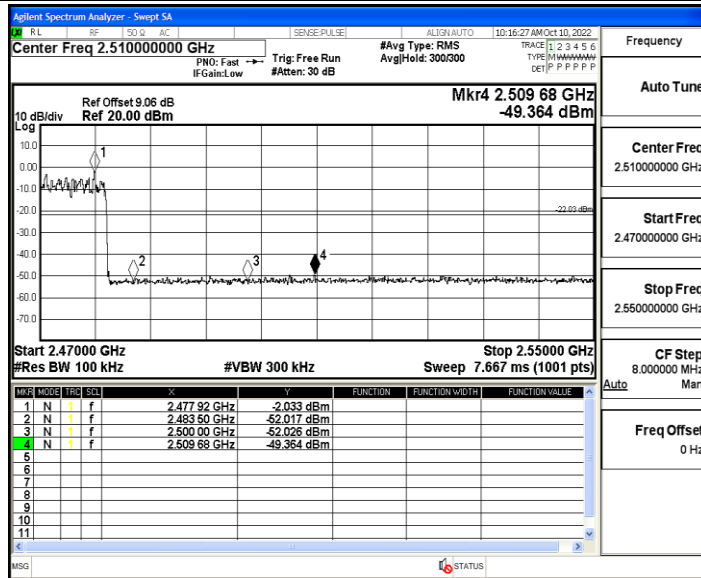
2DH5_Ant1_High_2480



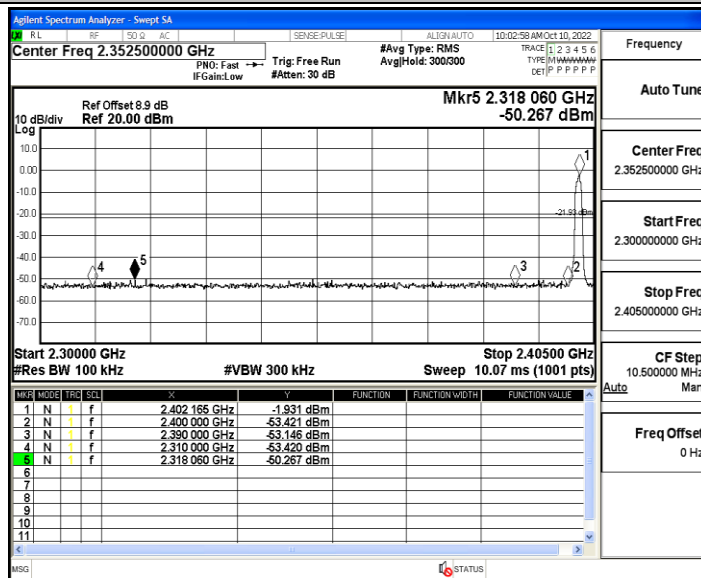
2DH5_Ant1_Low_Hop_2402



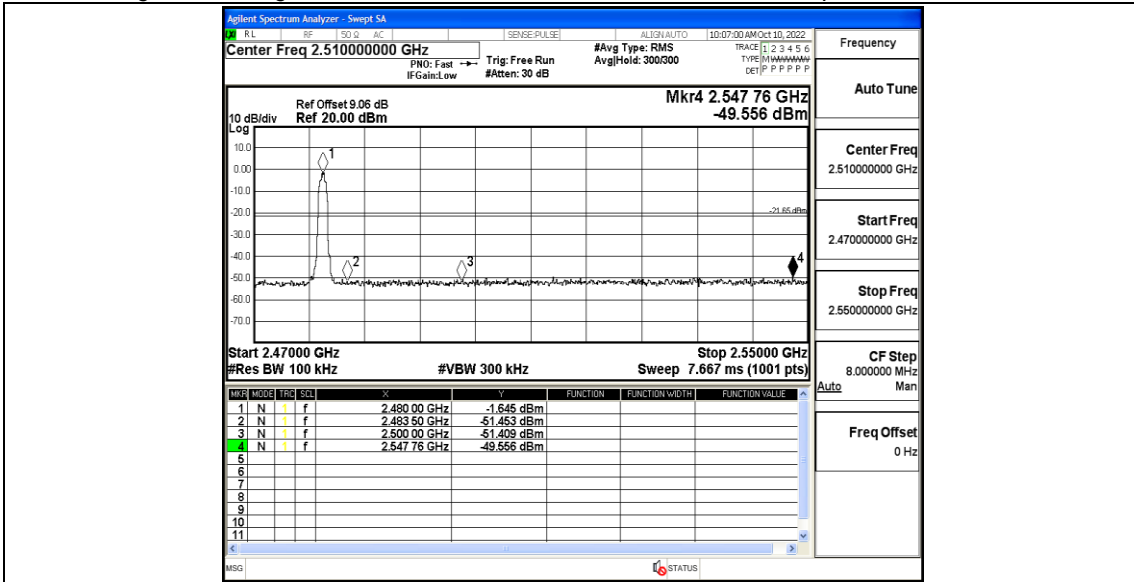
2DH5_Ant1_High_Hop_2480



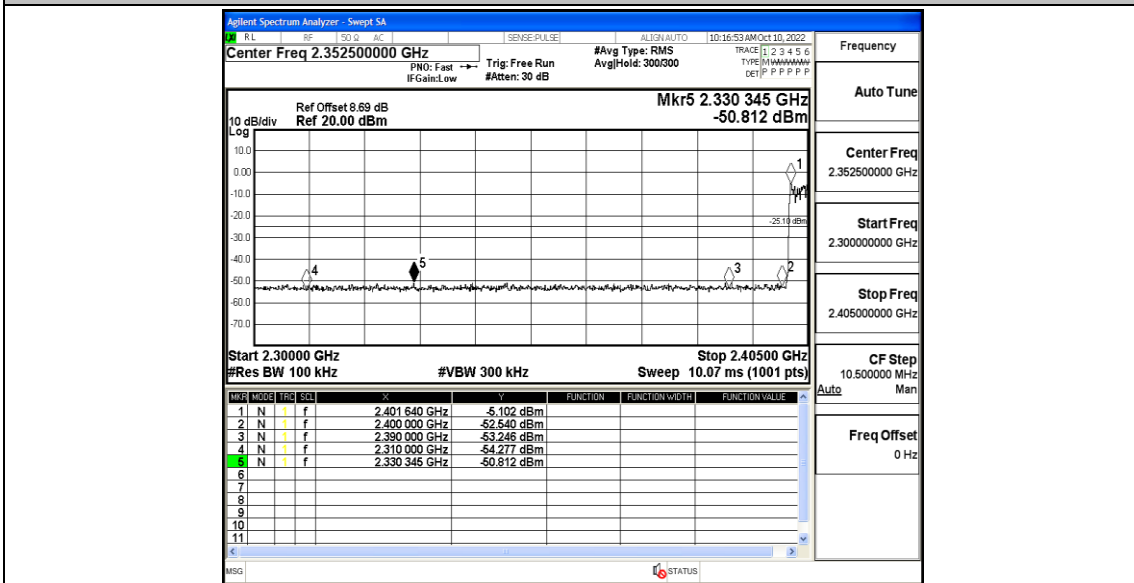
3DH5_Ant1_Low_2402



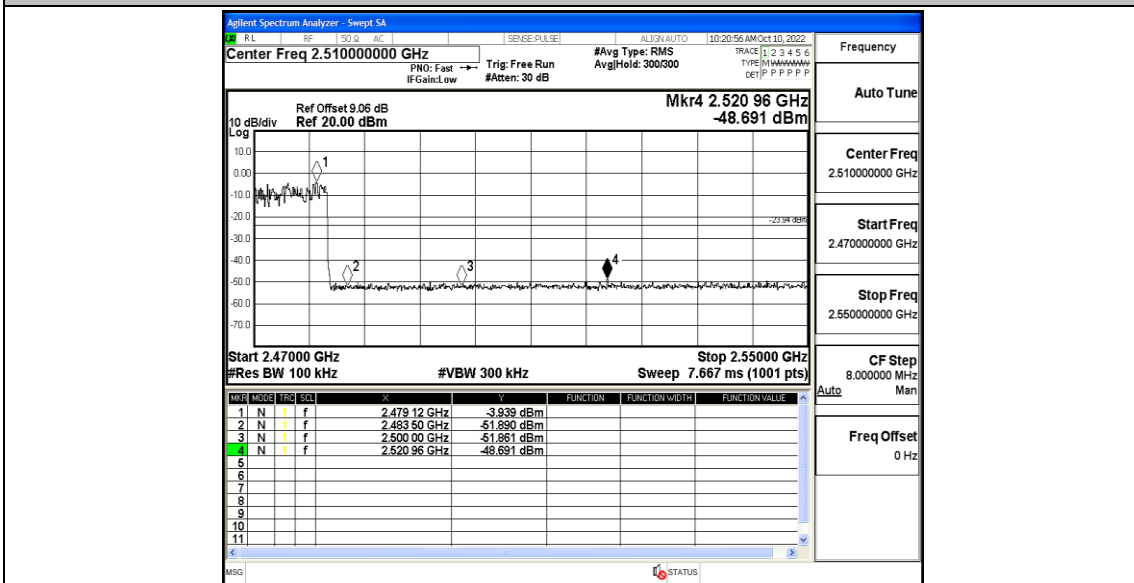
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

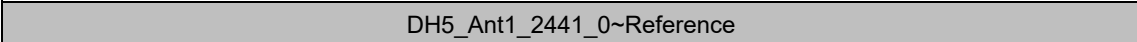
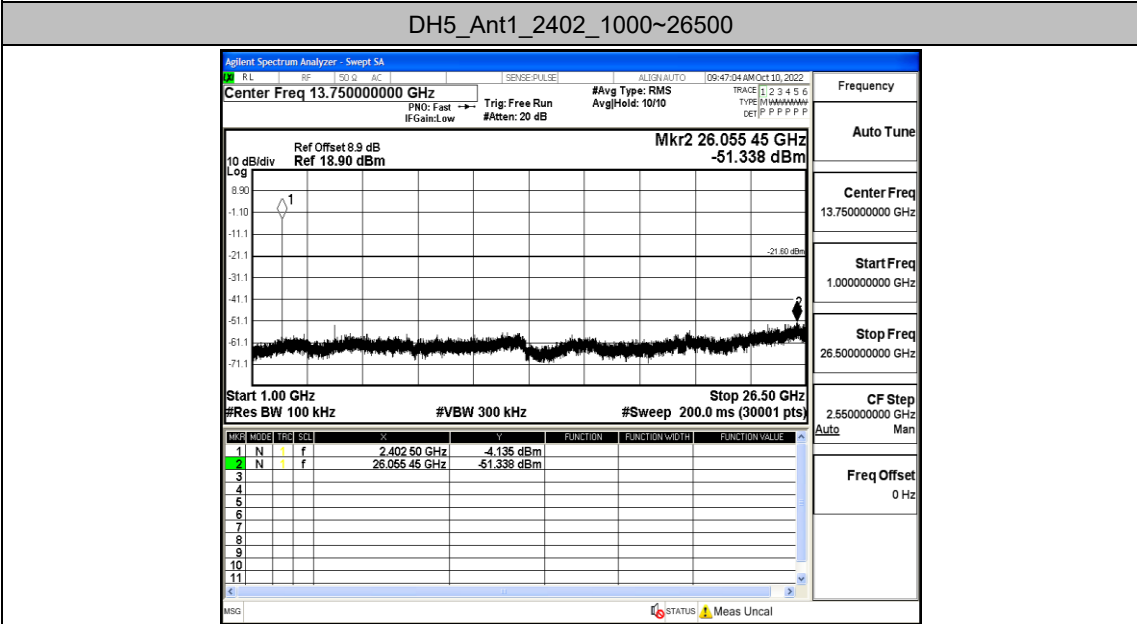
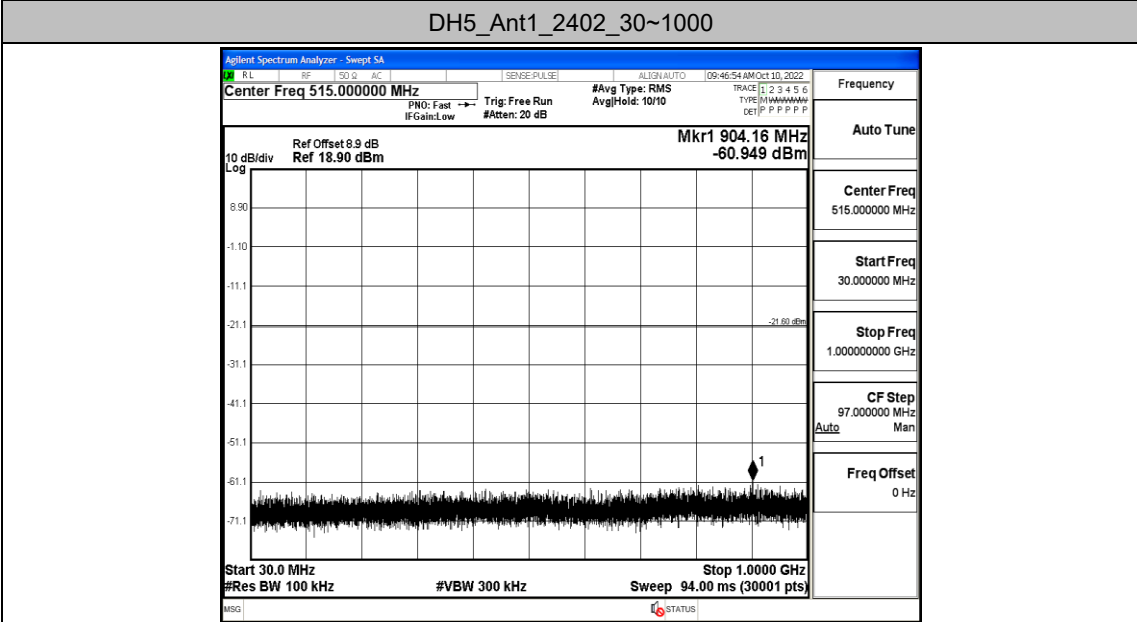
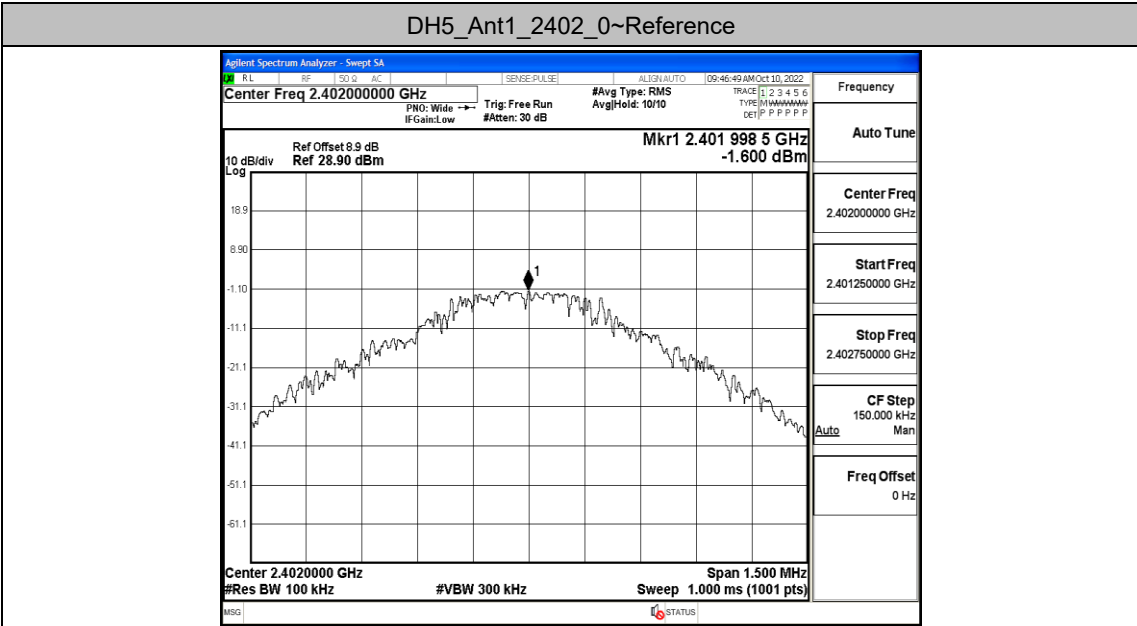


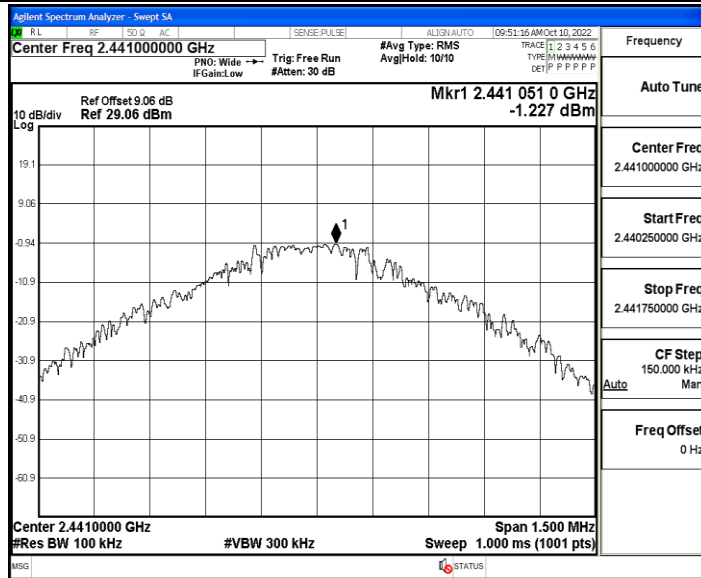
Appendix H: Conducted Spurious Emission

Test Result

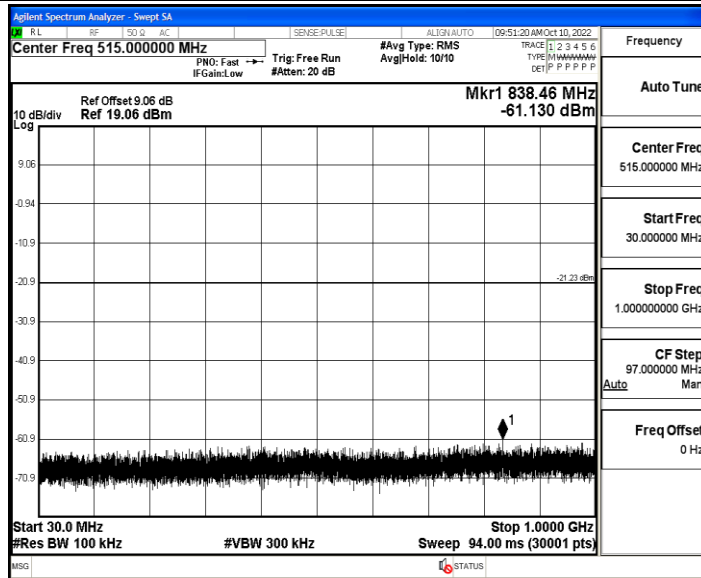
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.60	-1.60	---	PASS
			30~1000	-1.60	-60.95	≤-21.6	PASS
			1000~26500	-1.60	-51.34	≤-21.6	PASS
		2441	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-61.13	≤-21.23	PASS
			1000~26500	-1.23	-51.8	≤-21.23	PASS
		2480	Reference	-1.28	-1.28	---	PASS
			30~1000	-1.28	-60.72	≤-21.28	PASS
			1000~26500	-1.28	-51.92	≤-21.28	PASS
2DH5	Ant1	2402	Reference	-4.65	-4.65	---	PASS
			30~1000	-4.65	-60.23	≤-24.65	PASS
			1000~26500	-4.65	-51.56	≤-24.65	PASS
		2441	Reference	-3.41	-3.41	---	PASS
			30~1000	-3.41	-61.33	≤-23.41	PASS
			1000~26500	-3.41	-49.11	≤-23.41	PASS
		2480	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-61.7	≤-22.95	PASS
			1000~26500	-2.95	-51.76	≤-22.95	PASS
3DH5	Ant1	2402	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-61.6	≤-21.89	PASS
			1000~26500	-1.89	-51.75	≤-21.89	PASS
		2441	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-60.78	≤-24.44	PASS
			1000~26500	-4.44	-50.42	≤-24.44	PASS
		2480	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-61.5	≤-24.07	PASS
			1000~26500	-4.07	-51.28	≤-24.07	PASS

Test Graphs

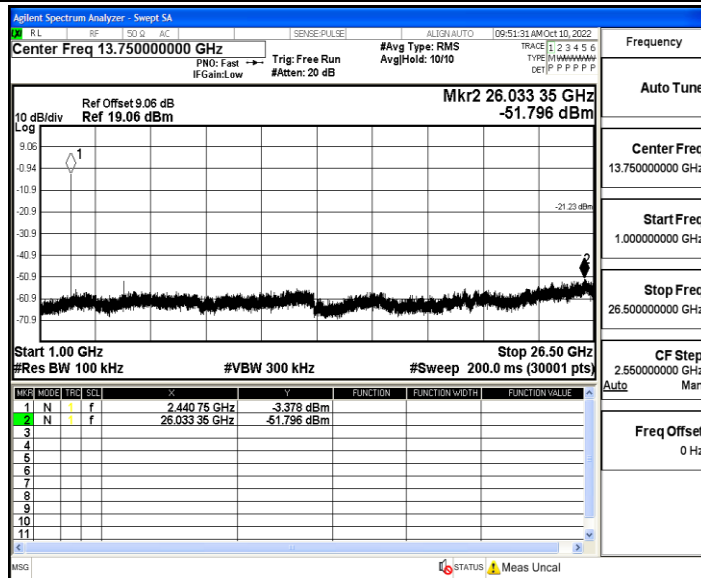




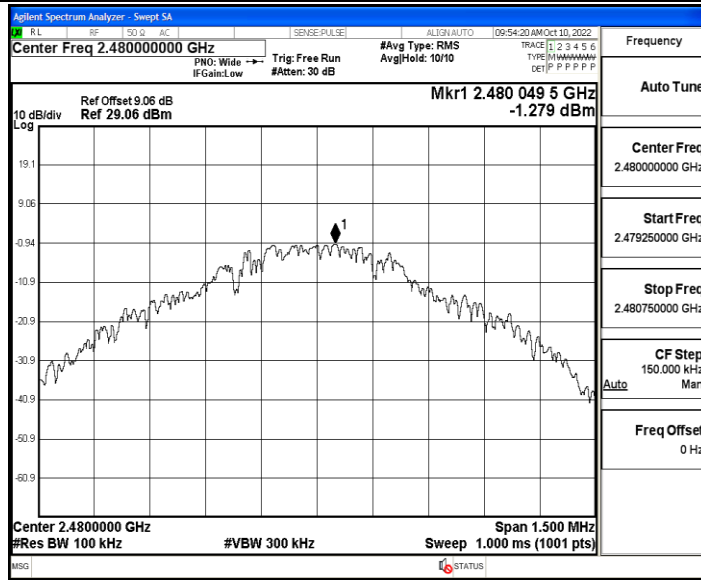
DH5_Ant1_2441_30~1000



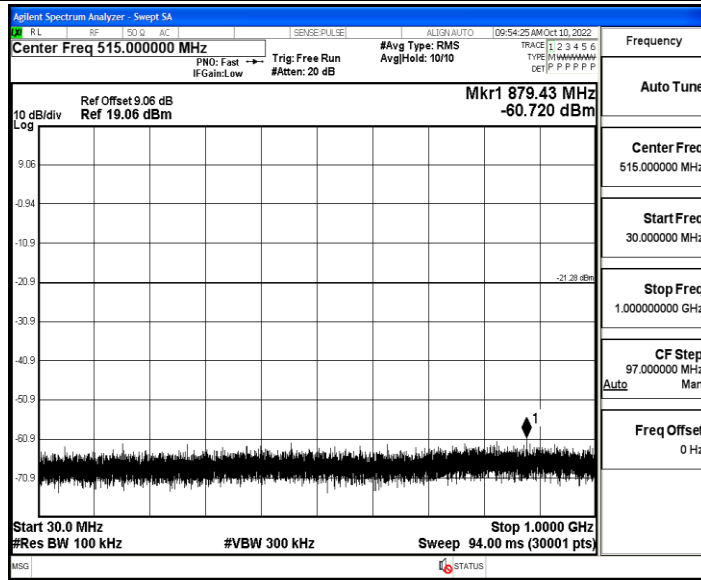
DH5_Ant1_2441_1000~26500



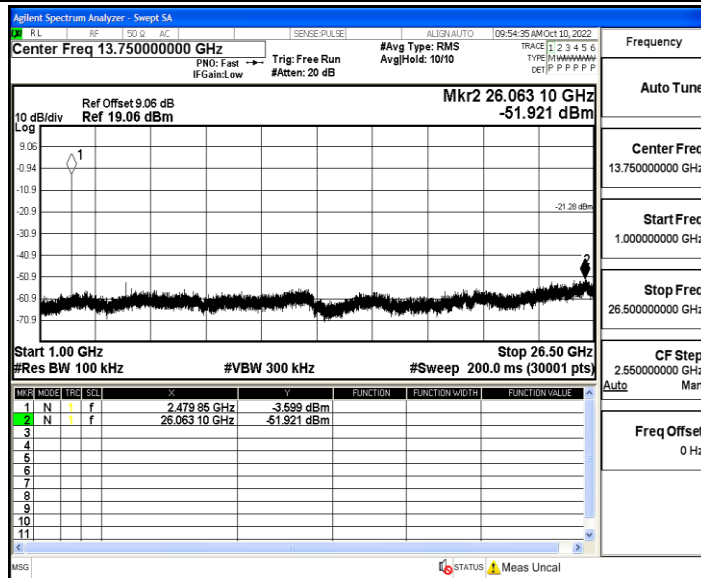
DH5_Ant1_2480_0~Reference



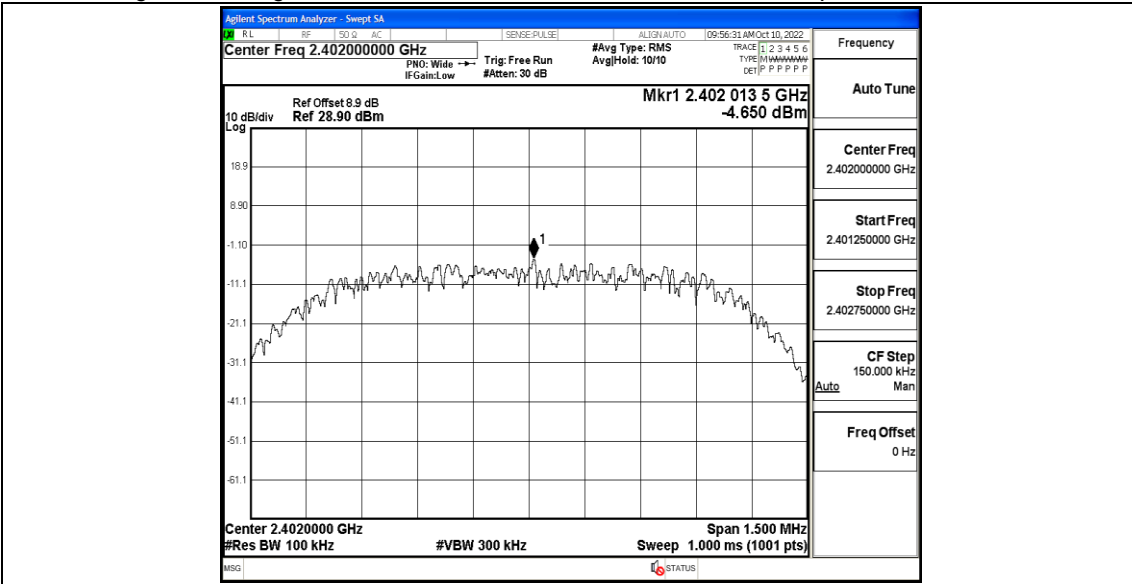
DH5_Ant1_2480_30~1000



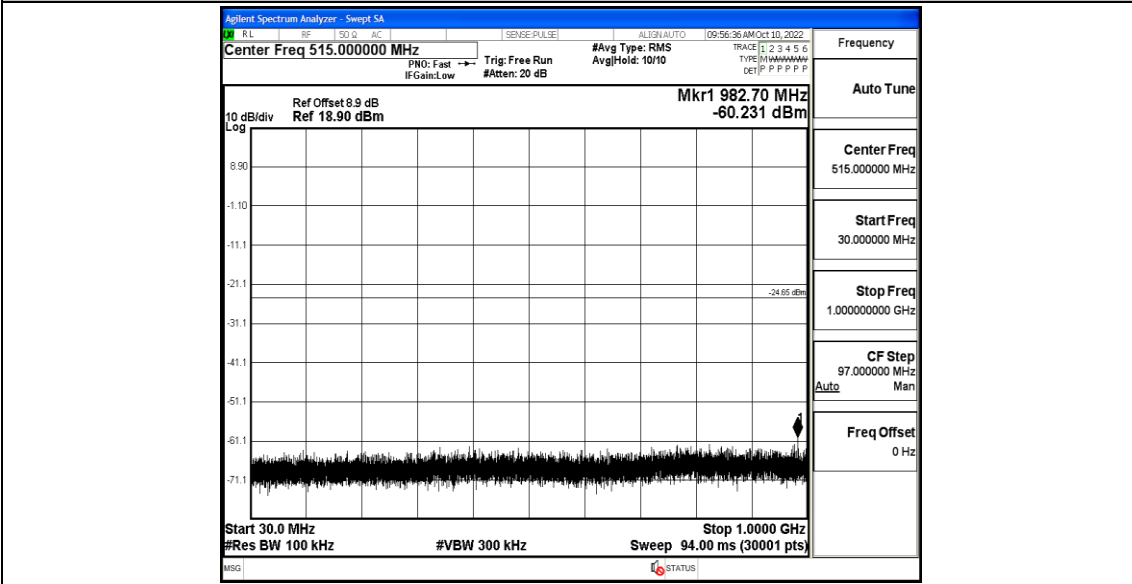
DH5_Ant1_2480_1000~26500



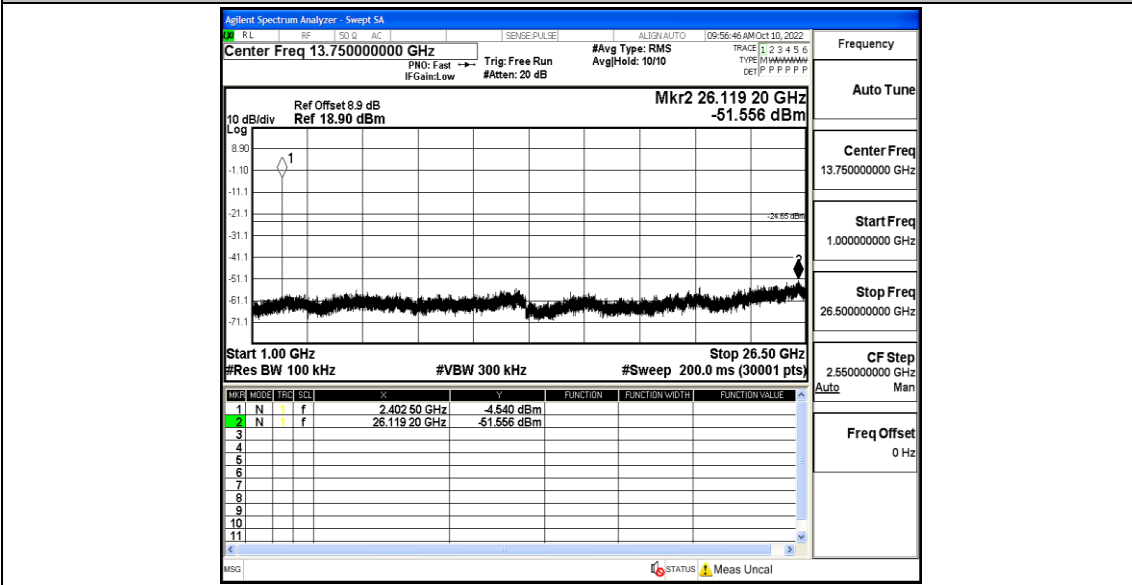
2DH5_Ant1_2402_0~Reference



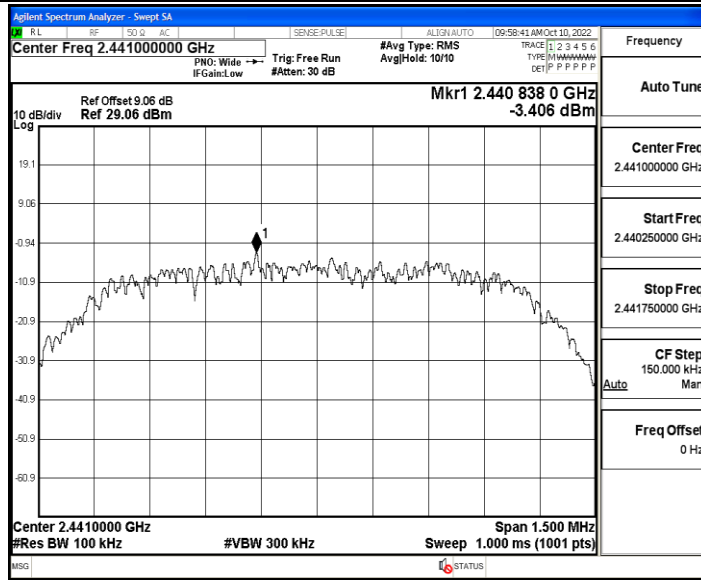
2DH5_Ant1_2402_30~1000



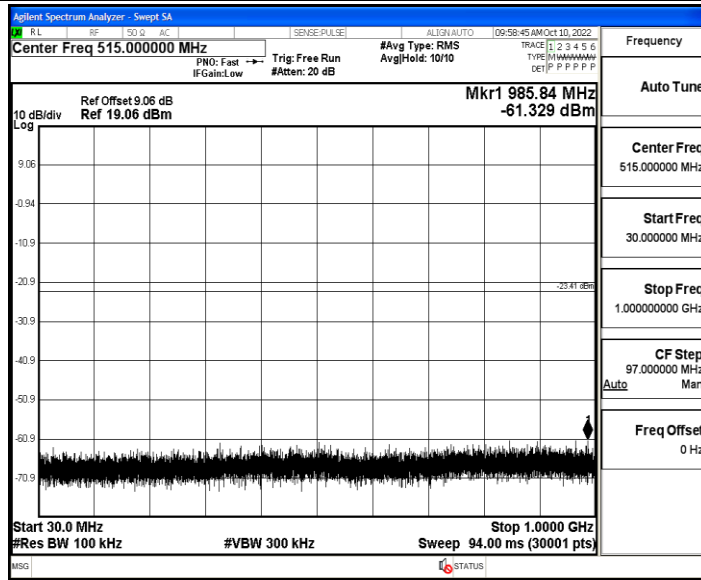
2DH5_Ant1_2402_1000~26500



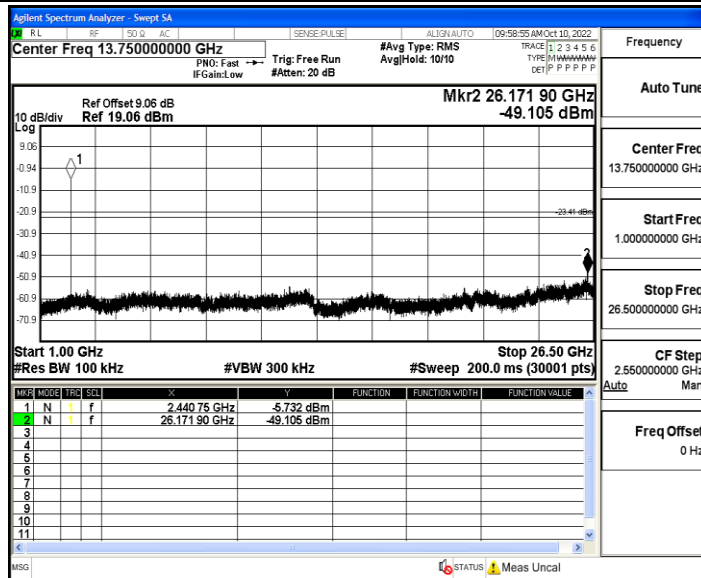
2DH5_Ant1_2441_0~Reference



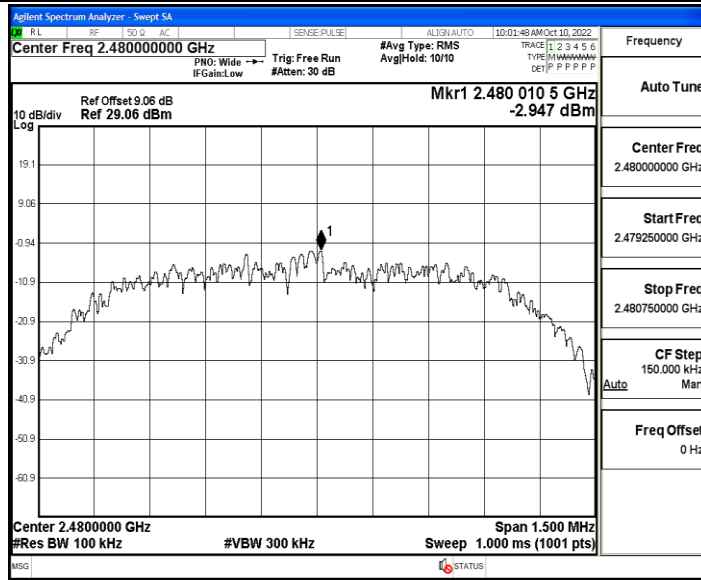
2DH5_Ant1_2441_30~1000



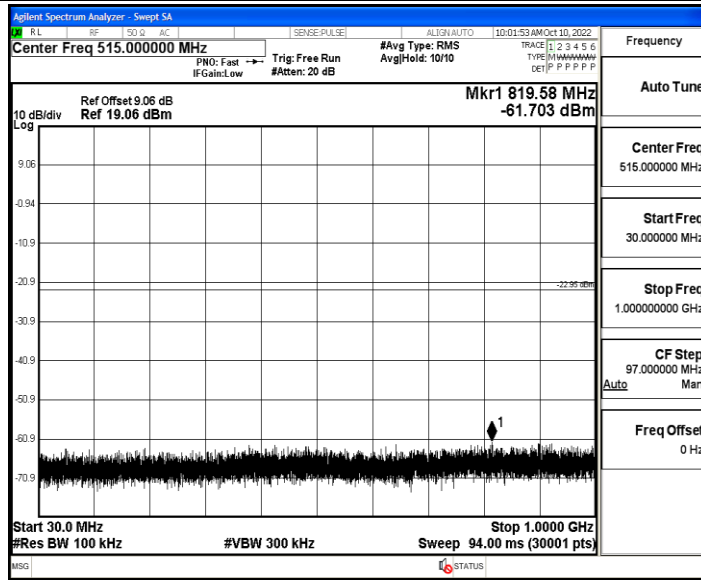
2DH5_Ant1_2441_1000~26500



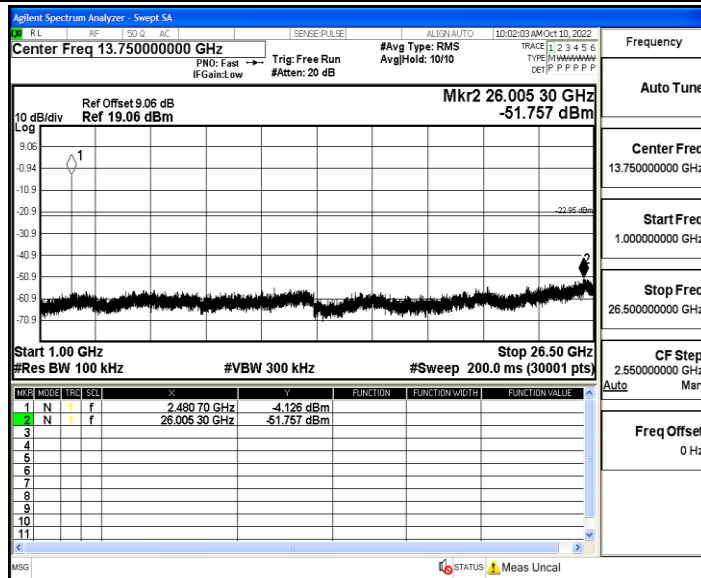
2DH5_Ant1_2480_0~Reference



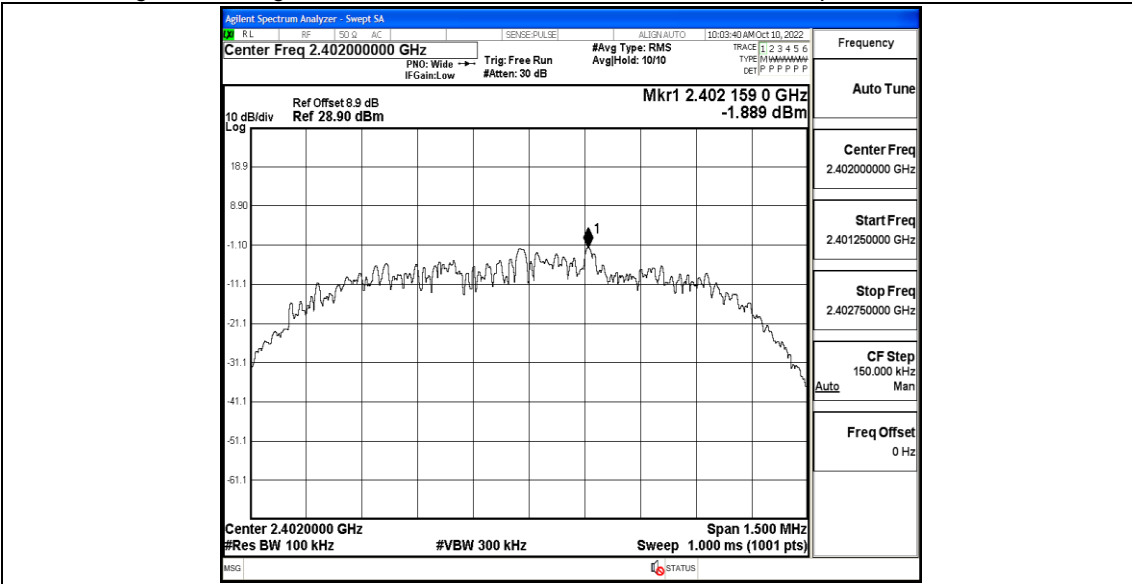
2DH5_Ant1_2480_30~1000



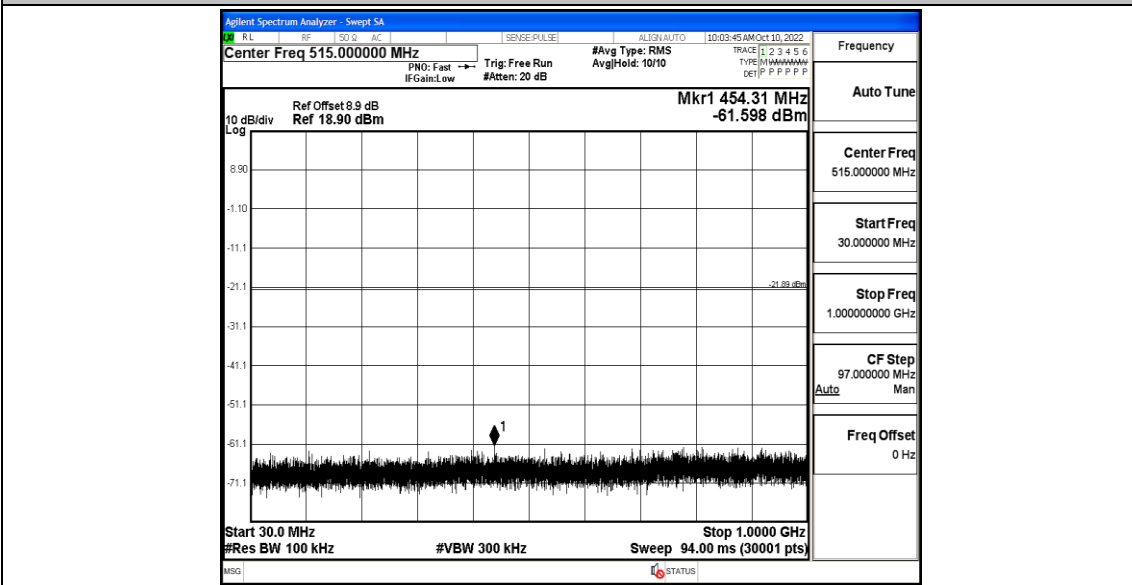
2DH5_Ant1_2480_1000~26500



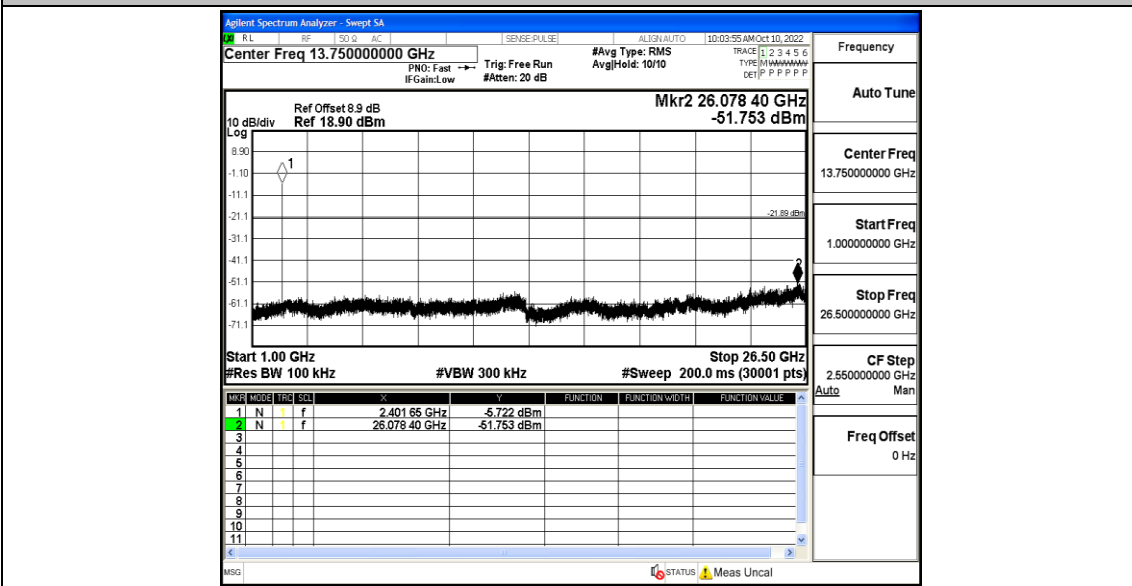
3DH5_Ant1_2402_0~Reference



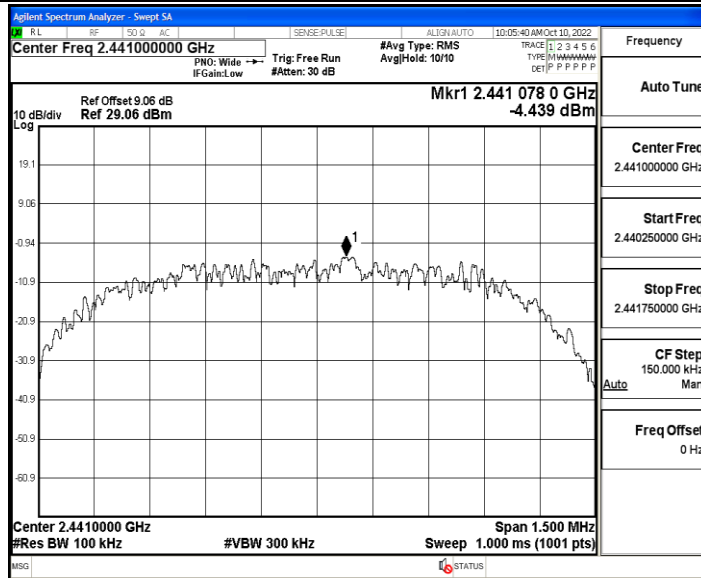
3DH5_Ant1_2402_30~1000



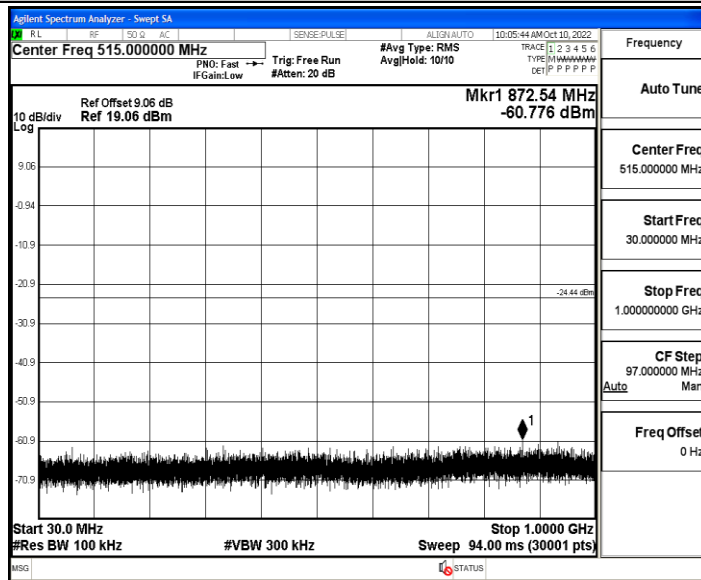
3DH5_Ant1_2402_1000~26500



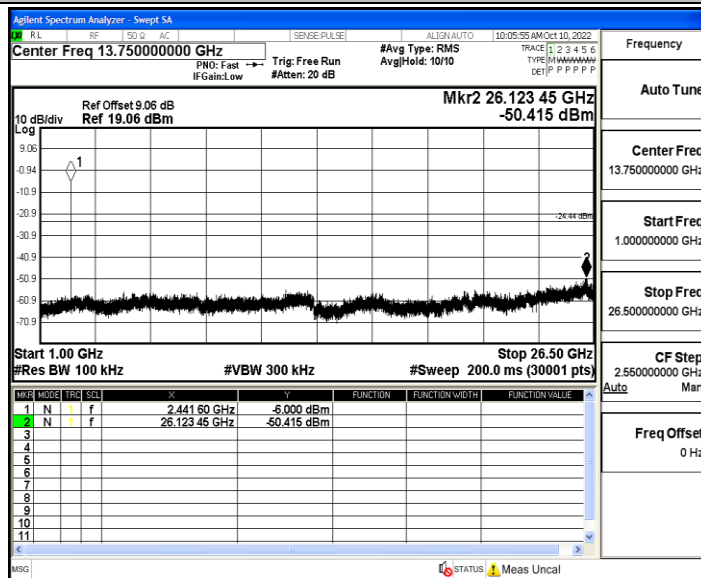
3DH5_Ant1_2441_0~Reference



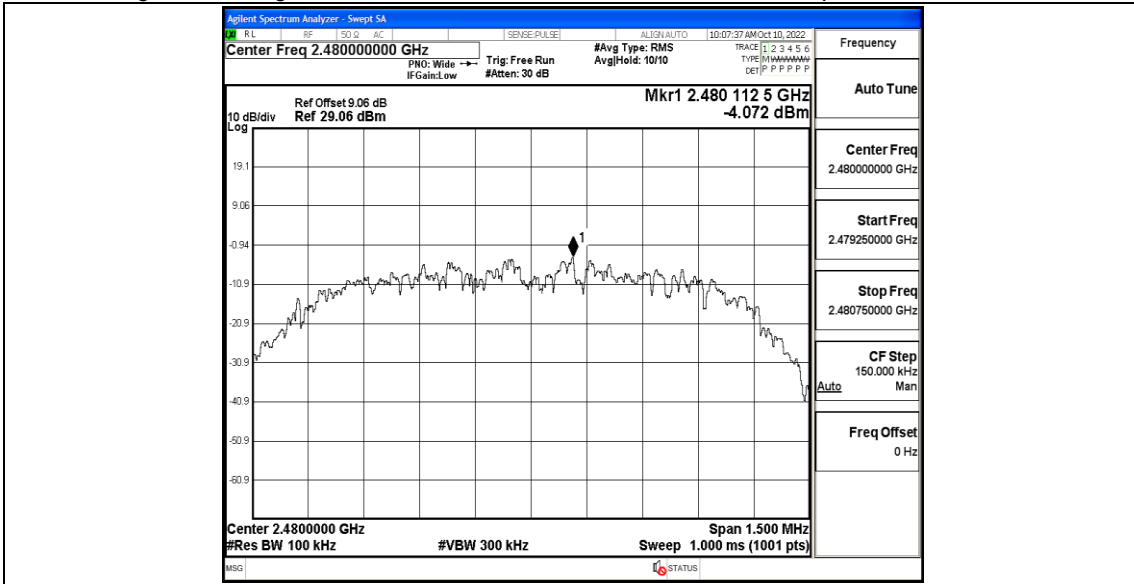
3DH5_Ant1_2441_30~1000



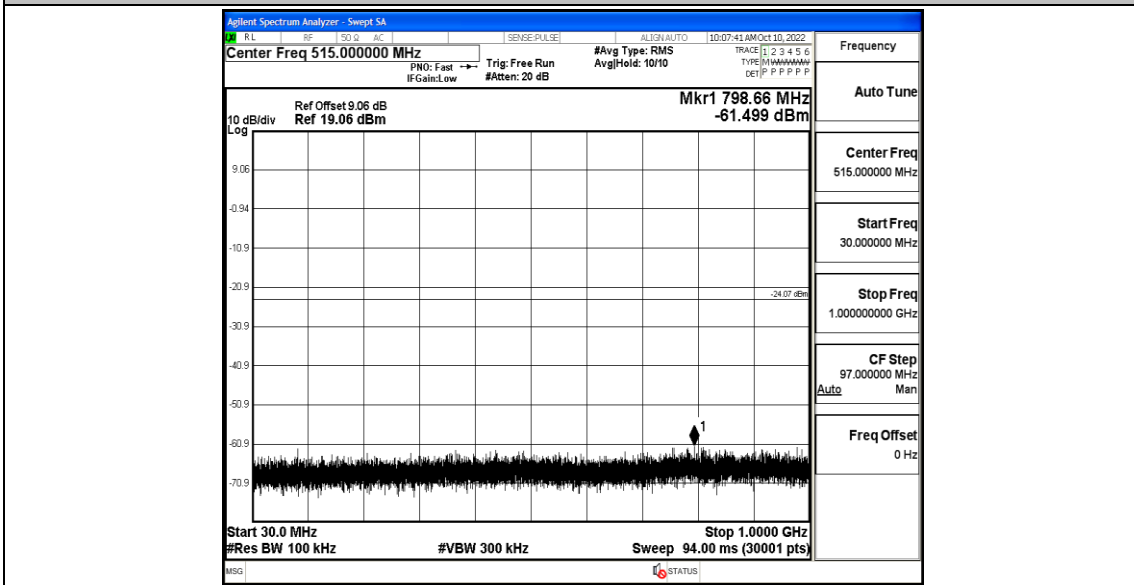
3DH5_Ant1_2441_1000~26500



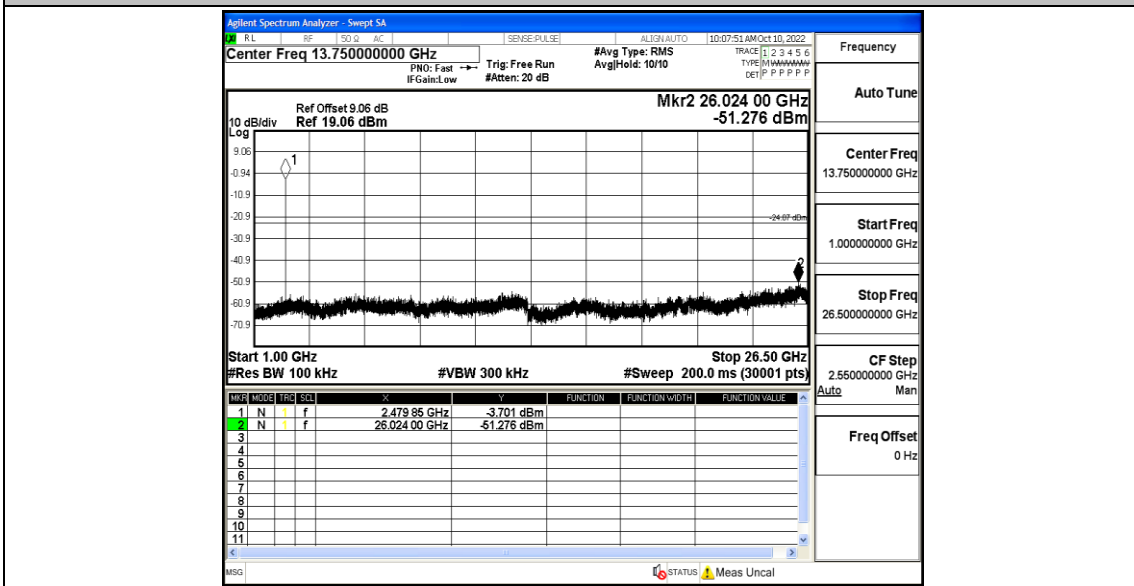
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

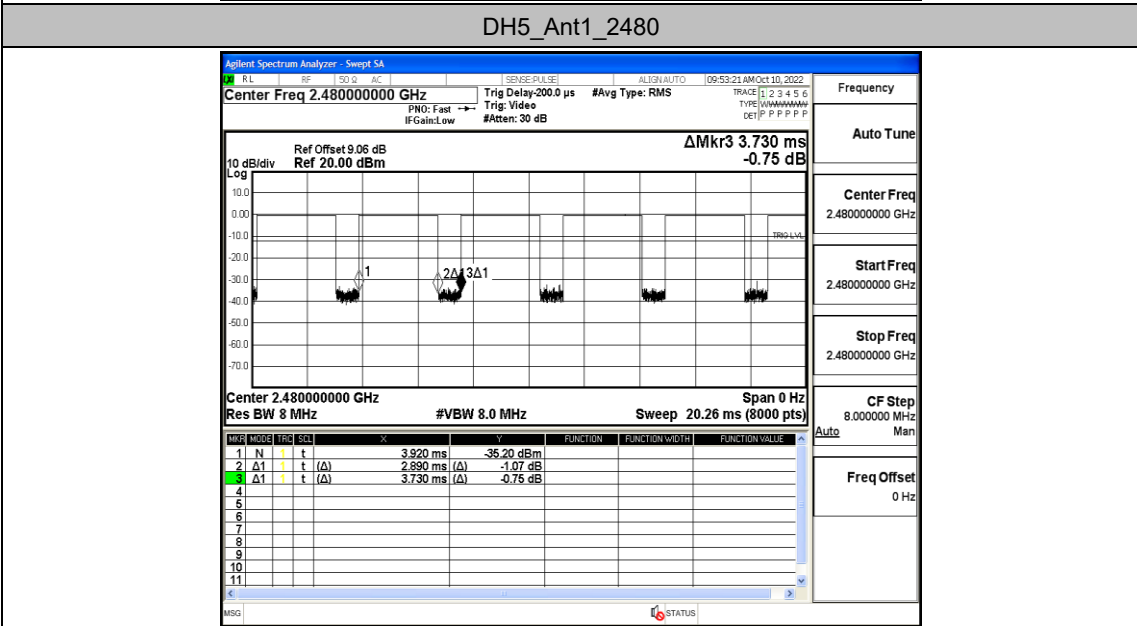
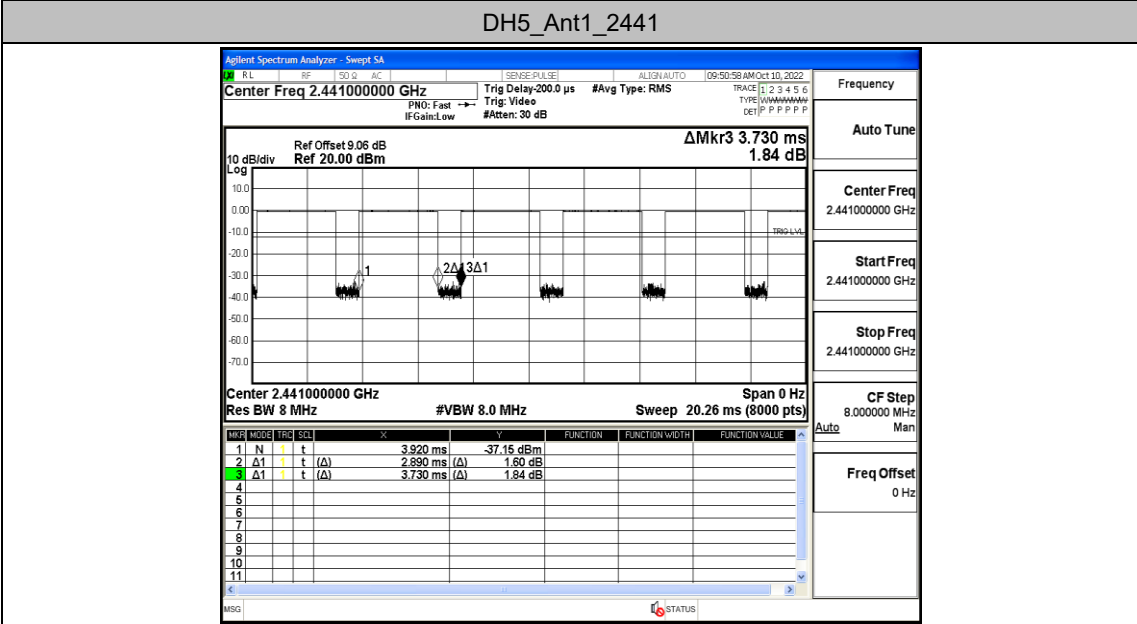
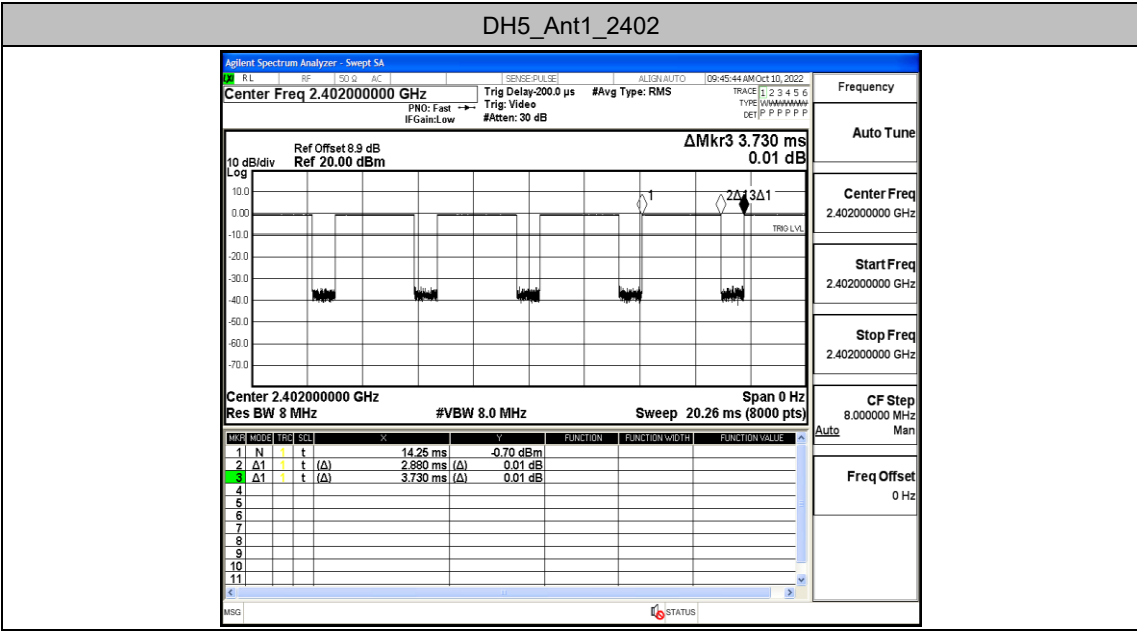


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.88	3.73	77.21	0.35
		2441	2.89	3.73	77.48	0.35
		2480	2.89	3.73	77.48	0.35
2DH5	Ant1	2402	2.89	3.73	77.48	0.35
		2441	2.89	3.73	77.48	0.35
		2480	2.89	3.74	77.27	0.35
3DH5	Ant1	2402	2.89	3.74	77.27	0.35
		2441	2.89	3.73	77.48	0.35
		2480	2.89	3.74	77.27	0.35

Test Graphs



2DH5_Ant1_2402