

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

Product Name: 4K OTT BOX

Trade Mark: N/A

Test Model: SX5BEL SEI600HM4 BOXQ

FCC ID: 2AOVU-SX5BEX

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

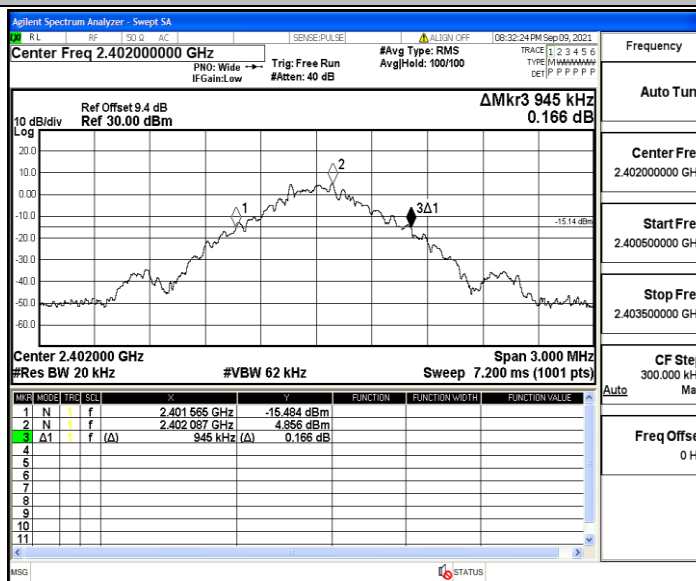
Appendix A: 20dB Emission Bandwidth

Test Result

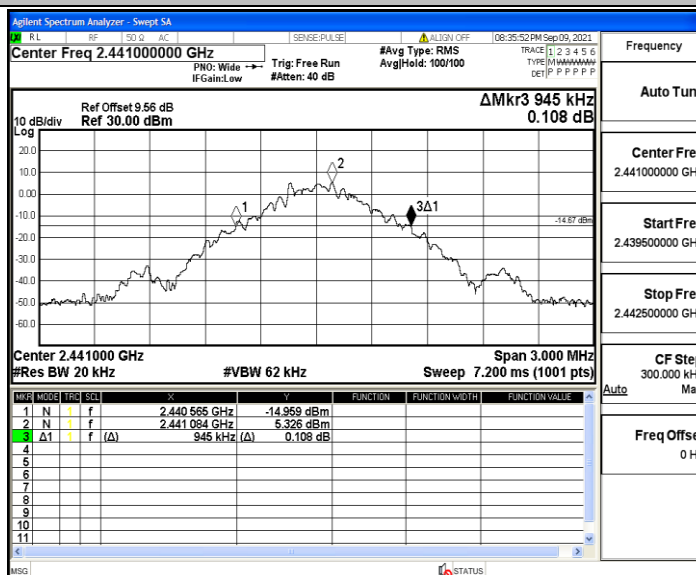
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	0.945	2401.565	2402.510	---	PASS
		2441	0.945	2440.565	2441.510	---	PASS
		2480	0.948	2479.562	2480.510	---	PASS
2DH5	Ant3	2402	1.290	2401.391	2402.681	---	PASS
		2441	1.311	2440.370	2441.681	---	PASS
		2480	1.311	2479.370	2480.681	---	PASS
3DH5	Ant3	2402	1.302	2401.376	2402.678	---	PASS
		2441	1.263	2440.382	2441.645	---	PASS
		2480	1.281	2479.376	2480.657	---	PASS

Test Graphs

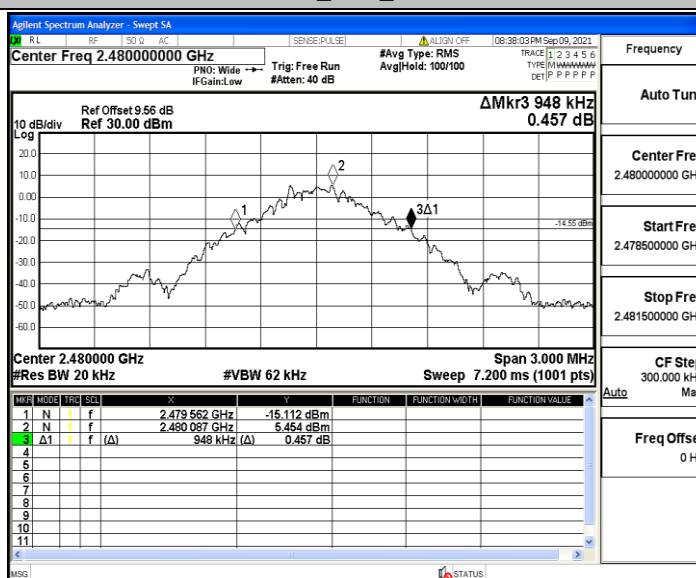
DH5_Ant3_2402



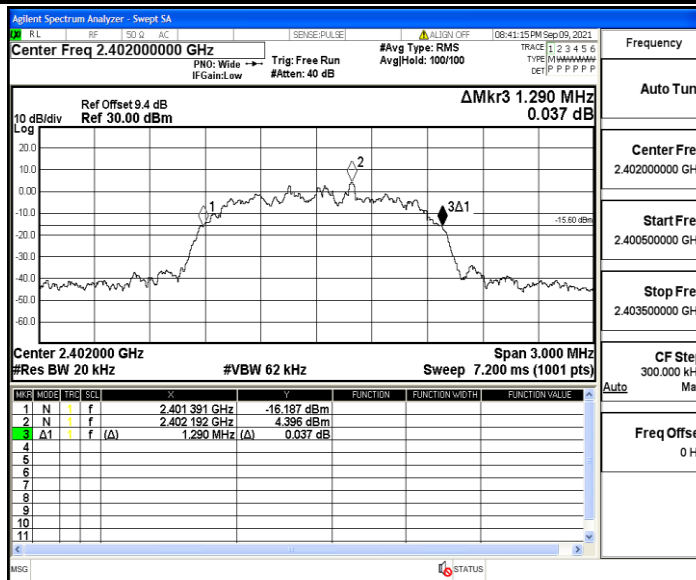
DH5_Ant3_2441



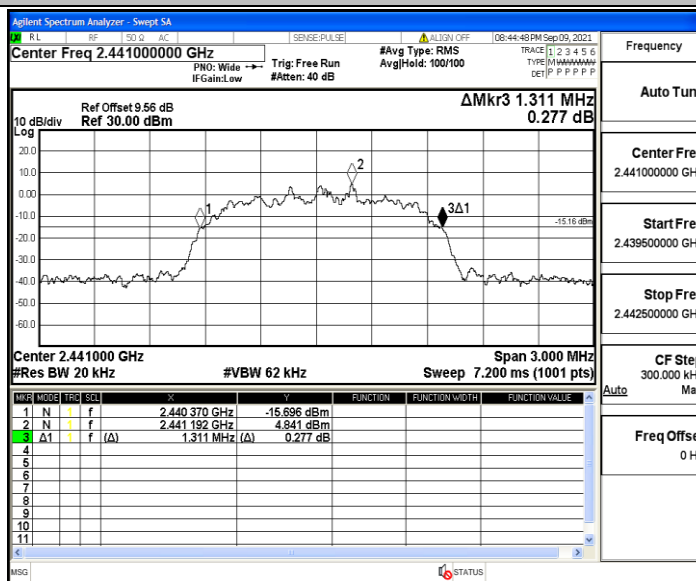
DH5_Ant3_2480



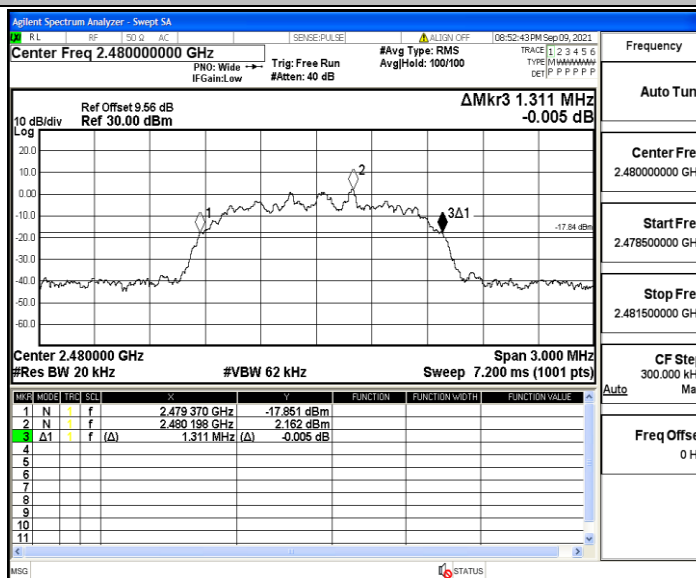
2DH5_Ant3_2402



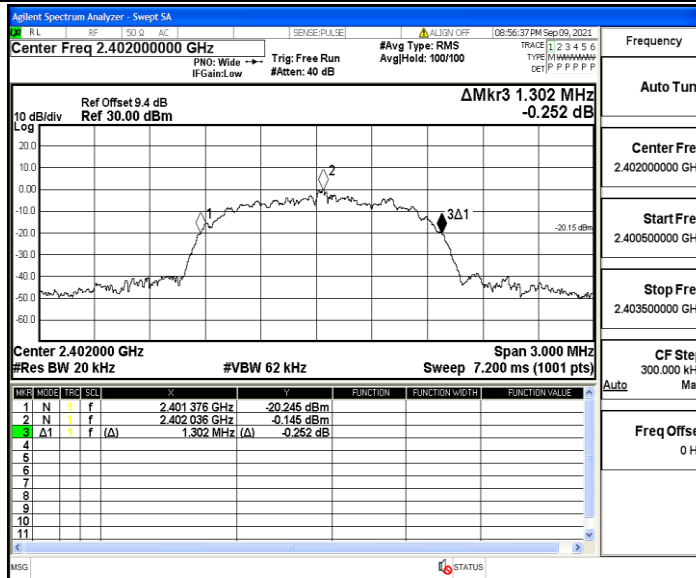
2DH5_Ant3_2441



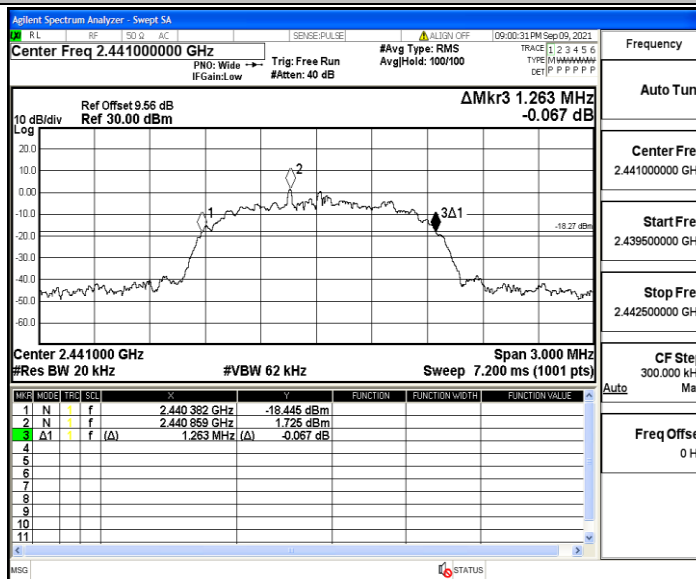
2DH5_Ant3_2480



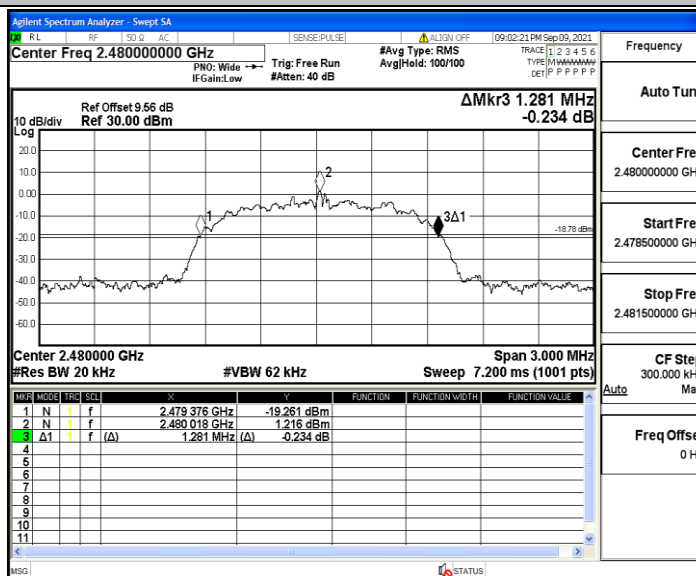
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



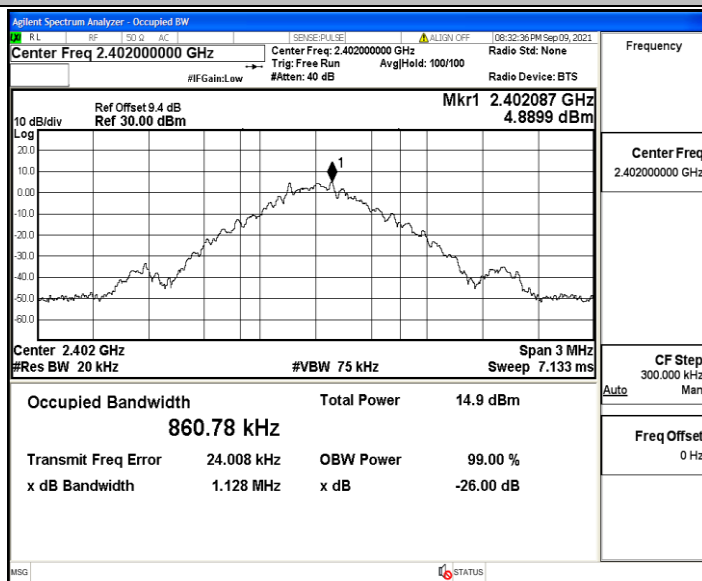
Appendix B: Occupied Channel Bandwidth

Test Result

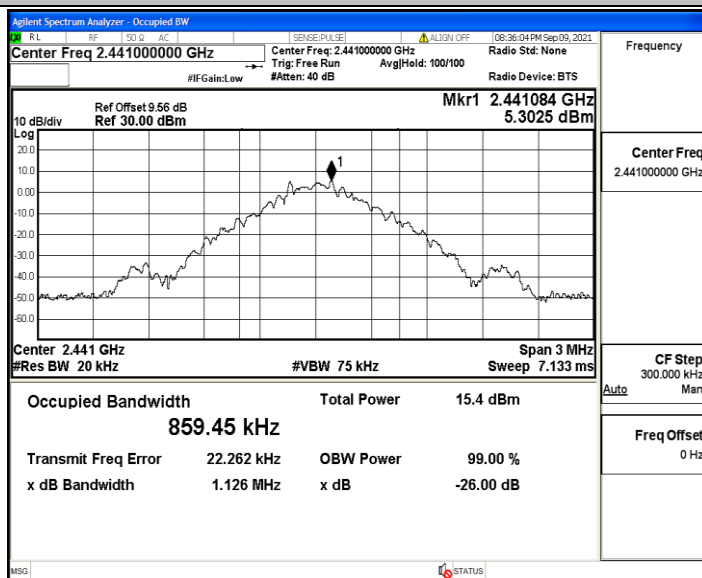
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	0.86078	2401.594	2402.454	---	PASS
		2441	0.85945	2440.593	2441.452	---	PASS
		2480	0.86243	2479.591	2480.454	---	PASS
2DH5	Ant3	2402	1.1738	2401.439	2402.613	---	PASS
		2441	1.1744	2440.439	2441.613	---	PASS
		2480	1.1844	2479.434	2480.618	---	PASS
3DH5	Ant3	2402	1.1744	2401.435	2402.609	---	PASS
		2441	1.1763	2440.433	2441.609	---	PASS
		2480	1.1826	2479.430	2480.613	---	PASS

Test Graphs

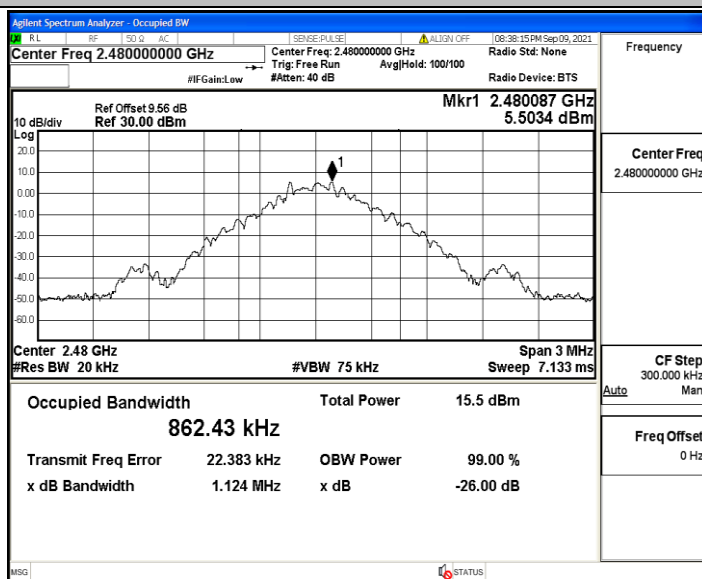
DH5_Ant3_2402



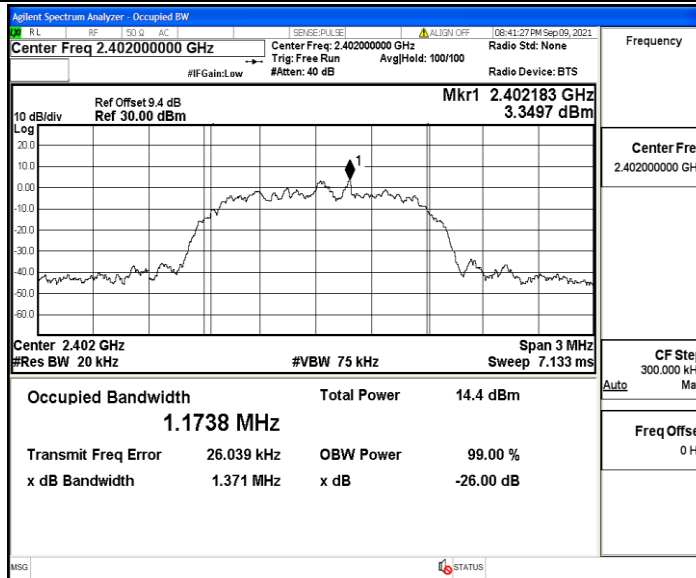
DH5_Ant3_2441



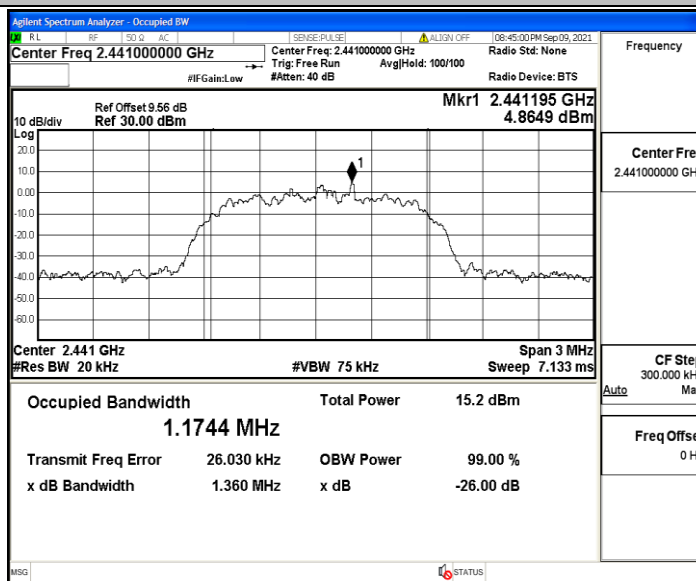
DH5_Ant3_2480



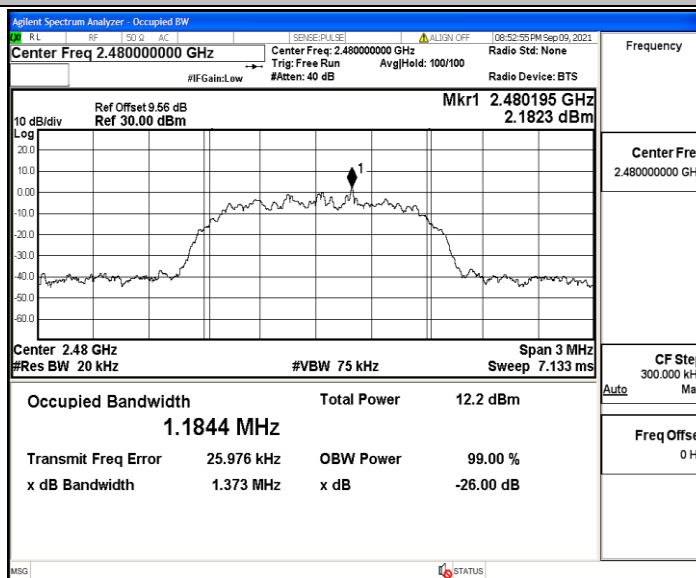
2DH5_Ant3_2402



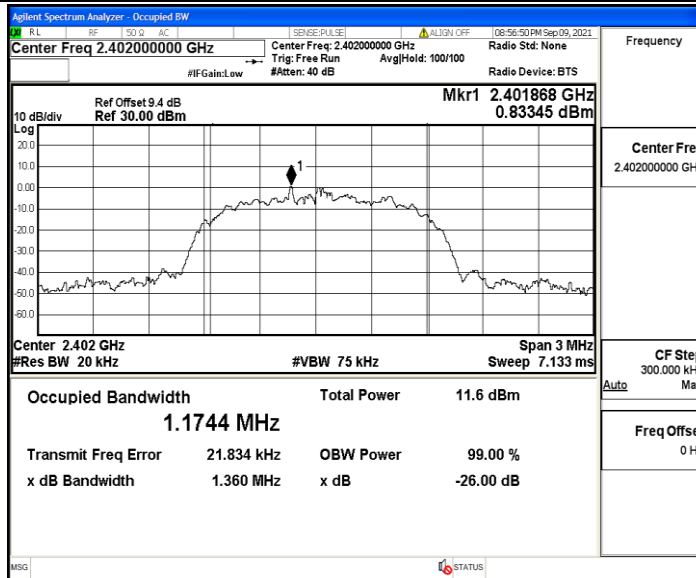
2DH5_Ant3_2441



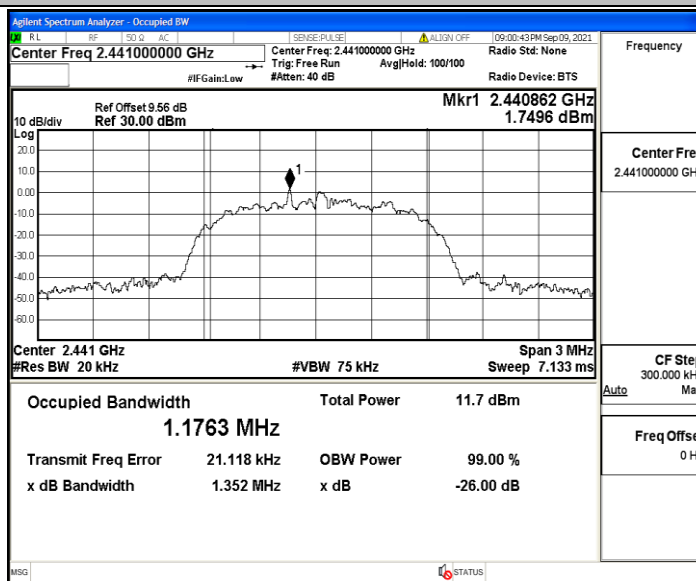
2DH5_Ant3_2480



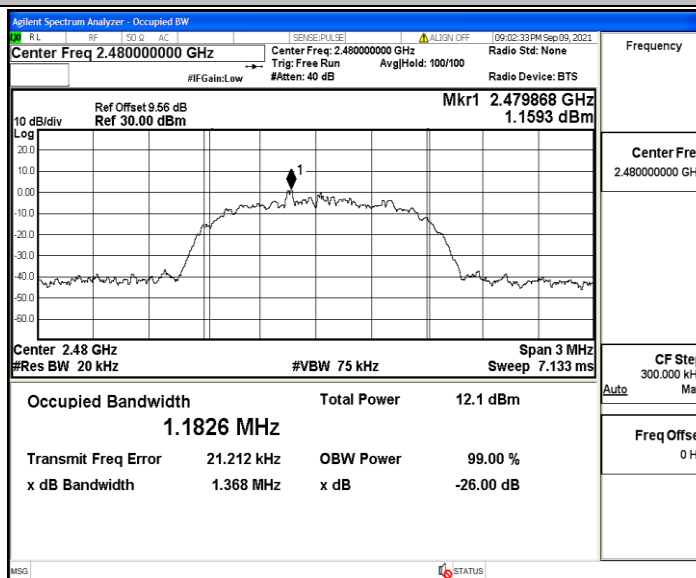
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



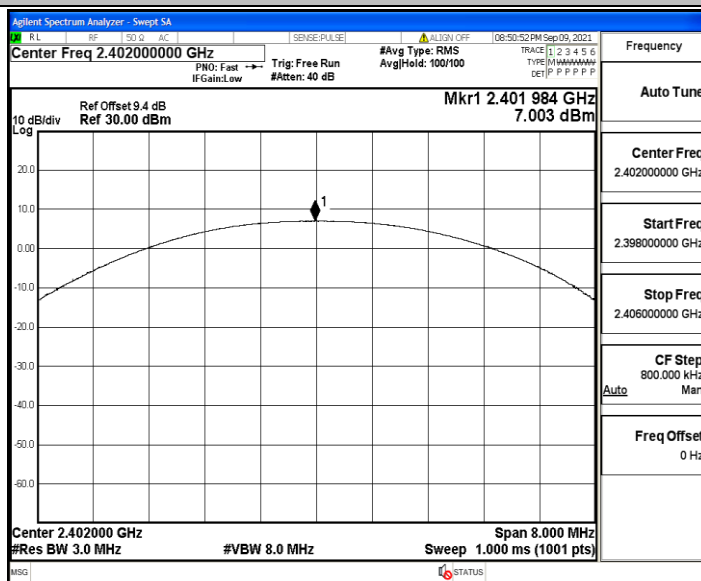
Appendix C: Maximum conducted output power

Test Result

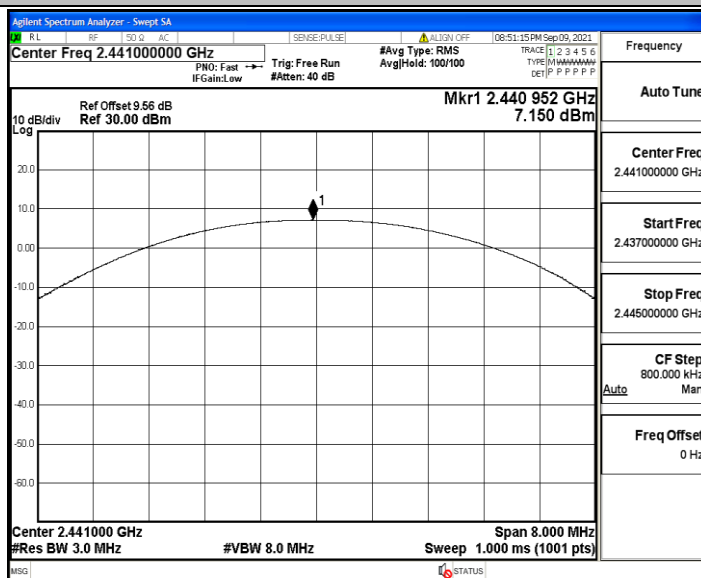
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant3	2402	7.00	≤30.0	PASS
		2441	7.15	≤30.0	PASS
		2480	7.49	≤30.0	PASS
2DH5	Ant3	2402	7.31	≤20.97	PASS
		2441	7.36	≤20.97	PASS
		2480	7.26	≤20.97	PASS
3DH5	Ant3	2402	7.20	≤20.97	PASS
		2441	7.28	≤20.97	PASS
		2480	7.37	≤20.97	PASS

Test Graphs

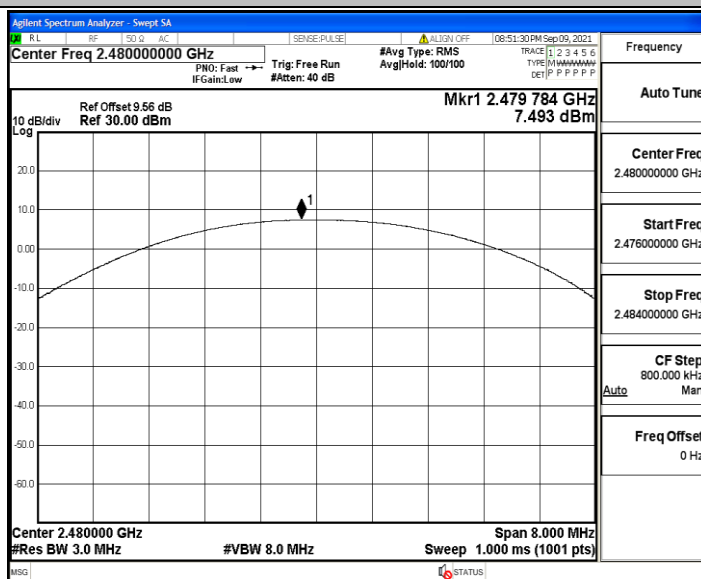
DH5_Ant3_2402



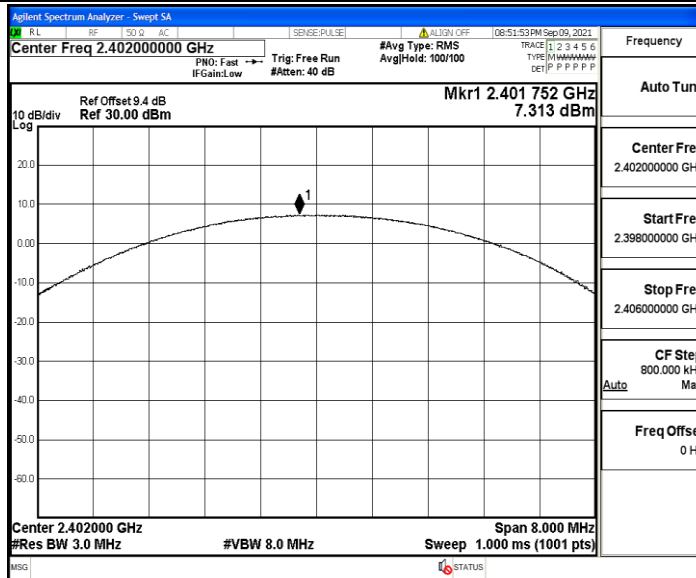
DH5_Ant3_2441



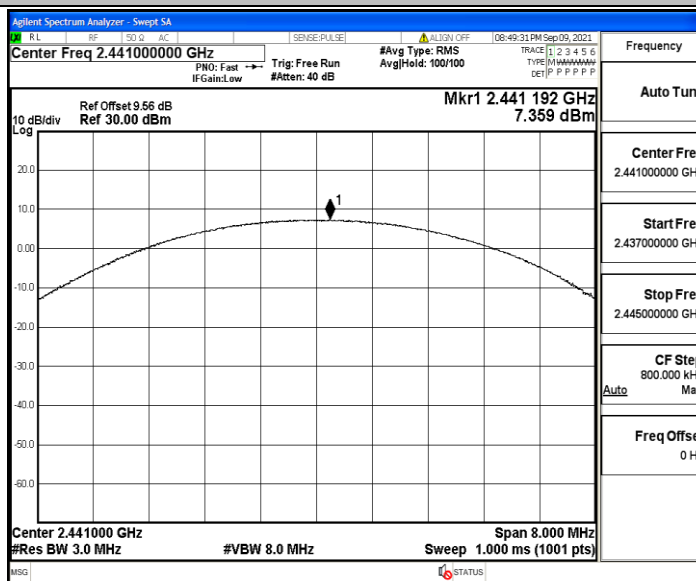
DH5_Ant3_2480



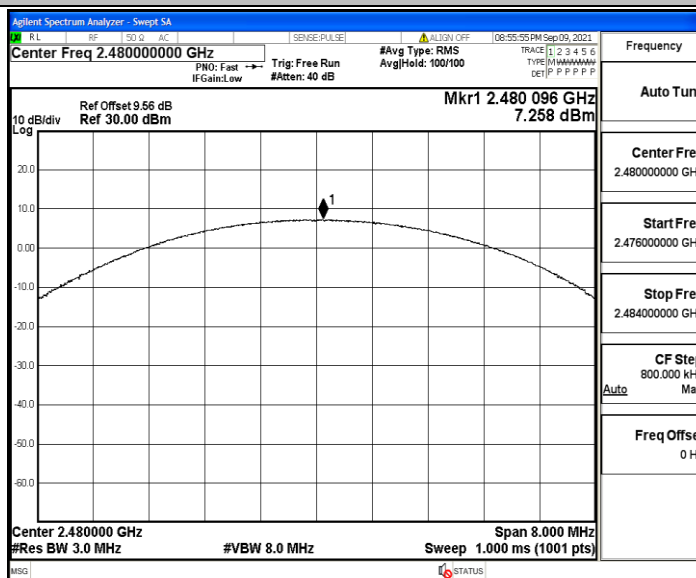
2DH5_Ant3_2402



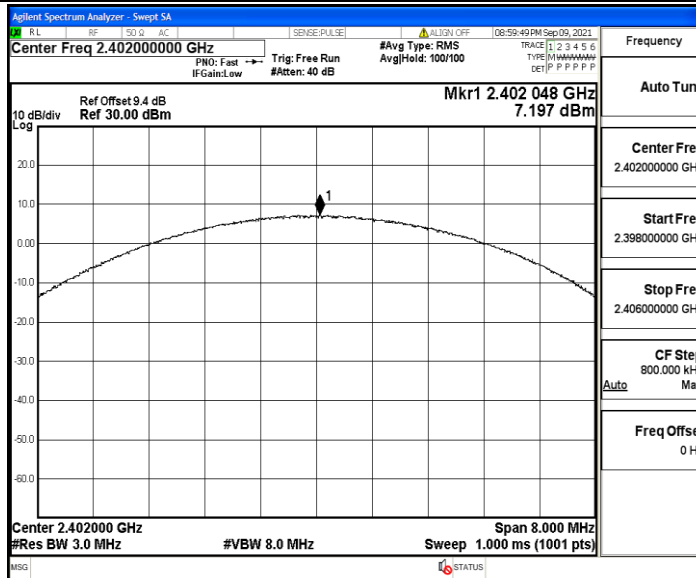
2DH5_Ant3_2441



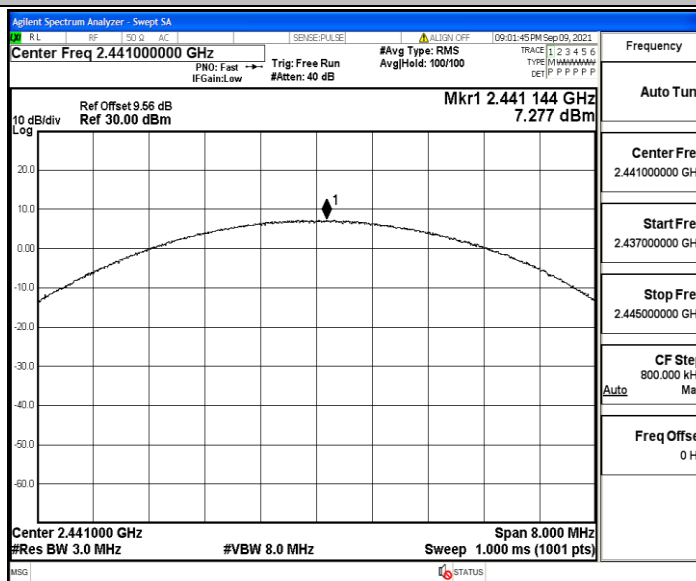
2DH5_Ant3_2480



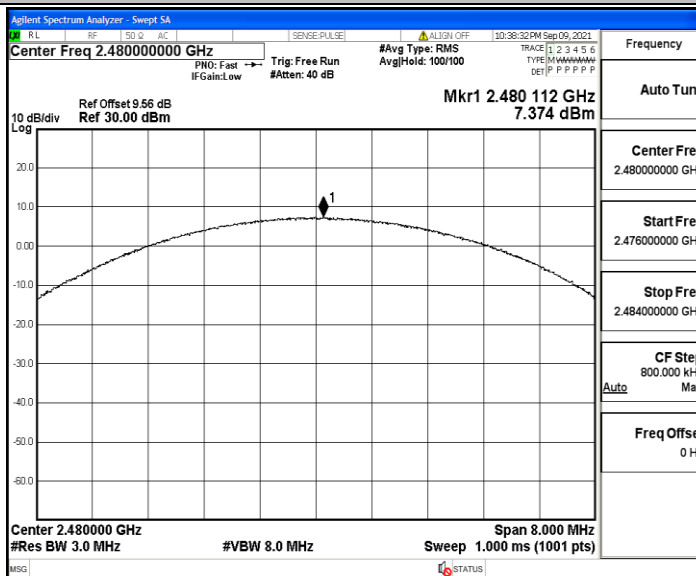
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



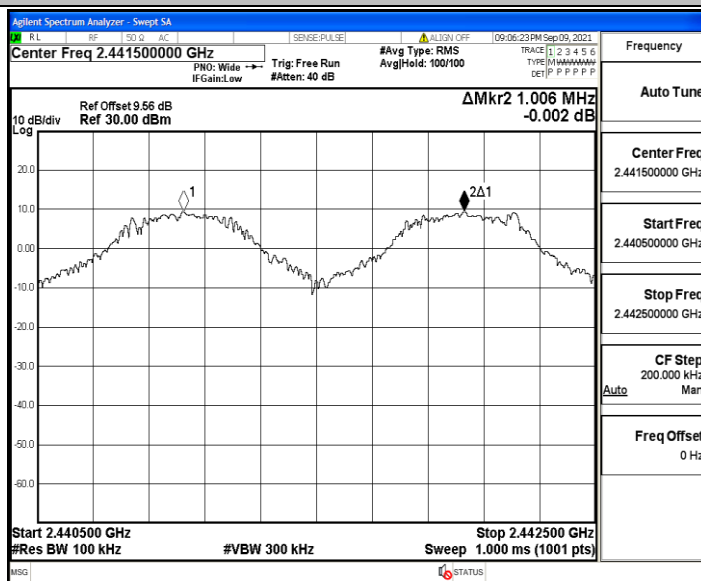
Appendix D: Carrier frequency separation

Test Result

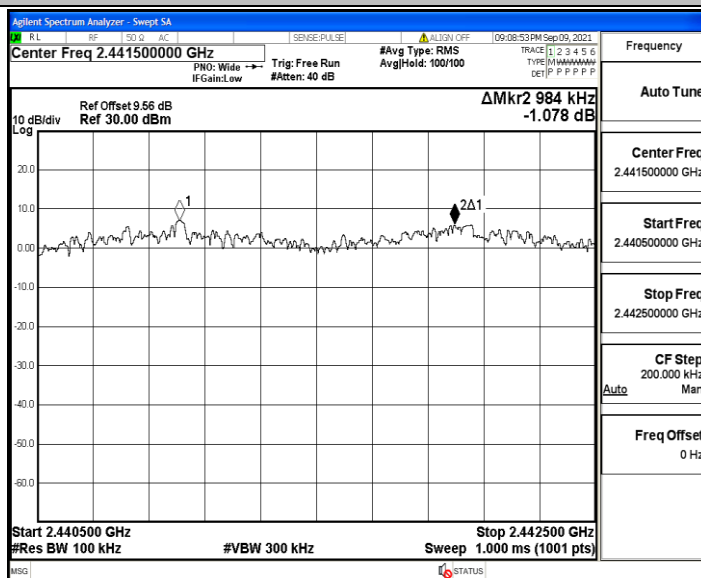
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant3	Hop	1.006	≥ 0.948	PASS
2DH5	Ant3	Hop	0.984	≥ 0.874	PASS
3DH5	Ant3	Hop	1.016	≥ 0.868	PASS

Test Graphs

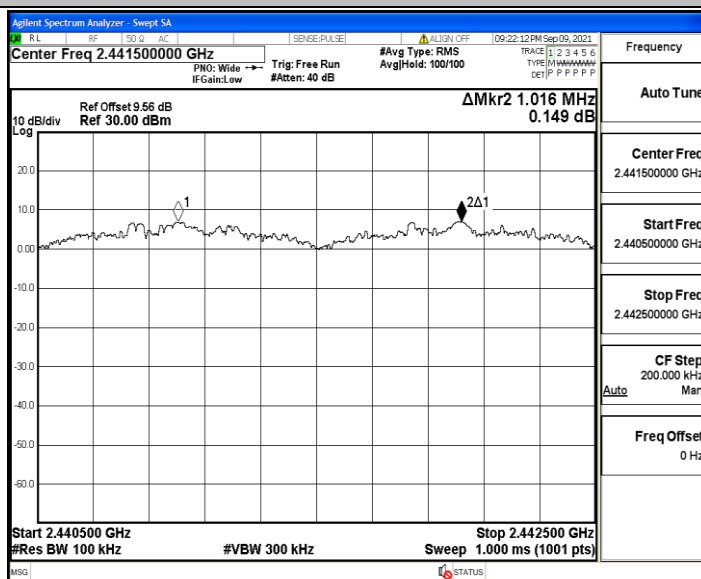
DH5_Ant3_Hop



2DH5_Ant3_Hop



3DH5_Ant3_Hop



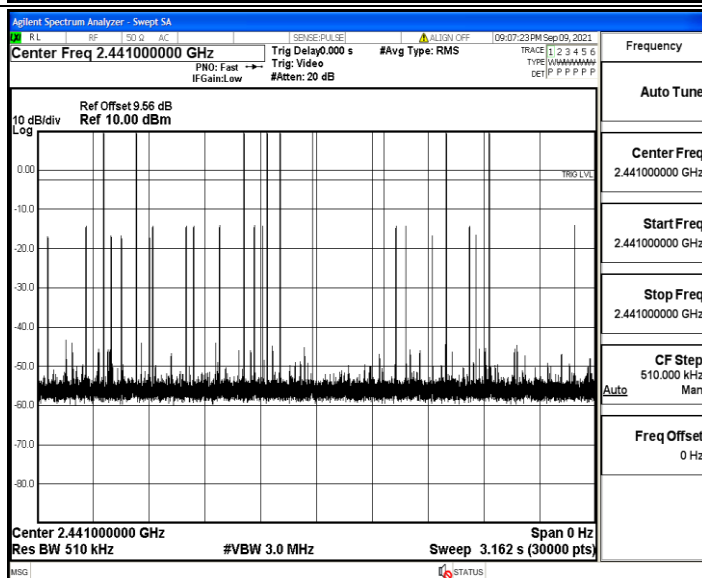
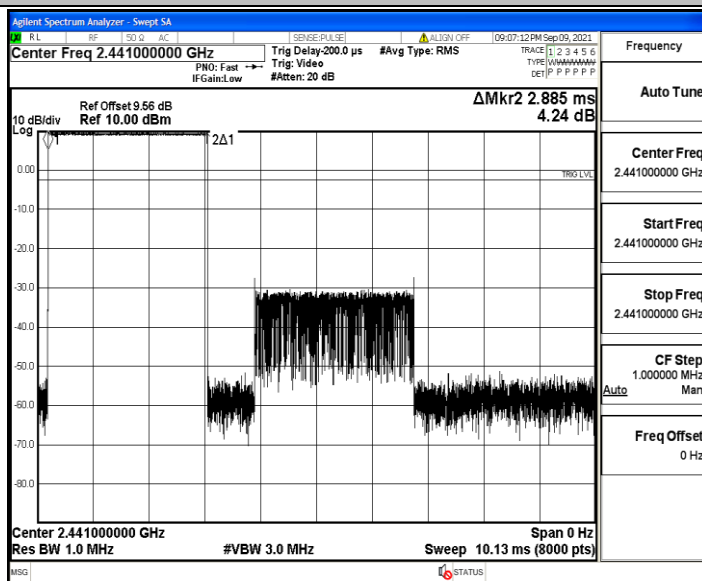
Appendix E: Time of occupancy

Test Result

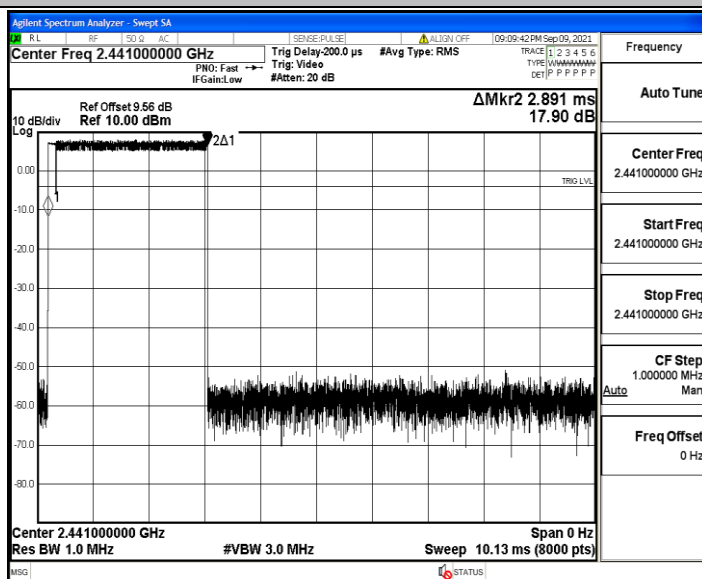
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant3	Hop	2.89	100	0.289	≤0.4	PASS
2DH5	Ant3	Hop	2.89	110	0.318	≤0.4	PASS
3DH5	Ant3	Hop	2.89	90	0.26	≤0.4	PASS

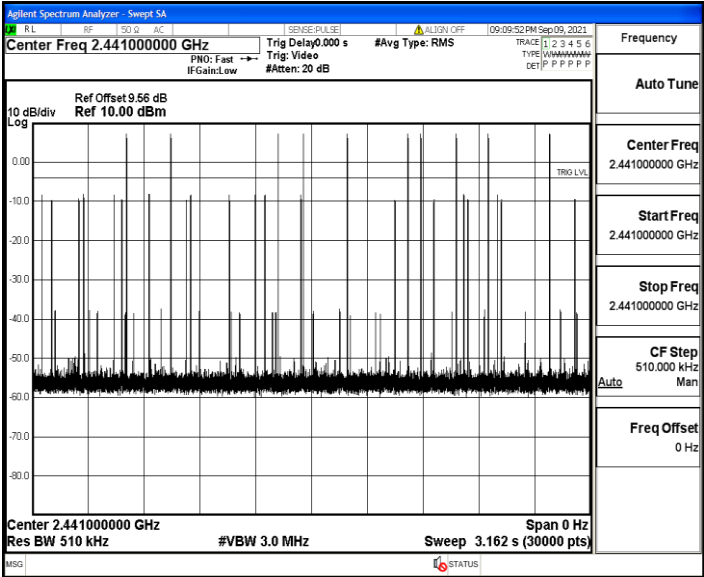
Test Graphs

DH5_Ant3_Hop

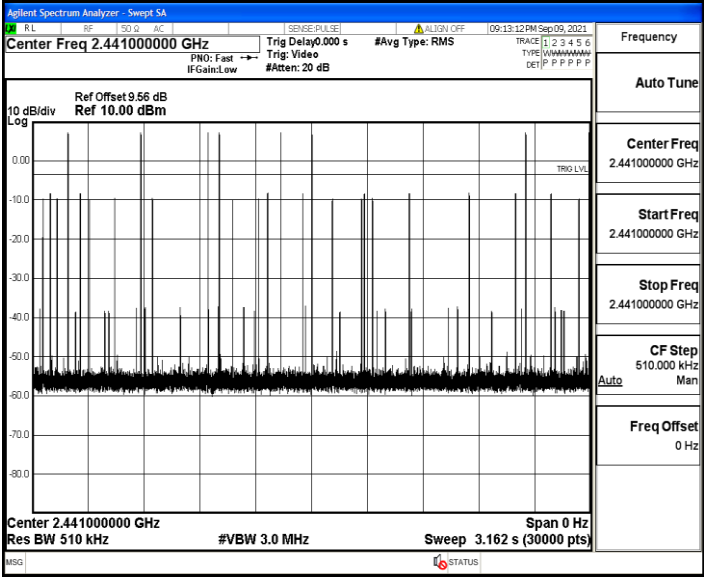
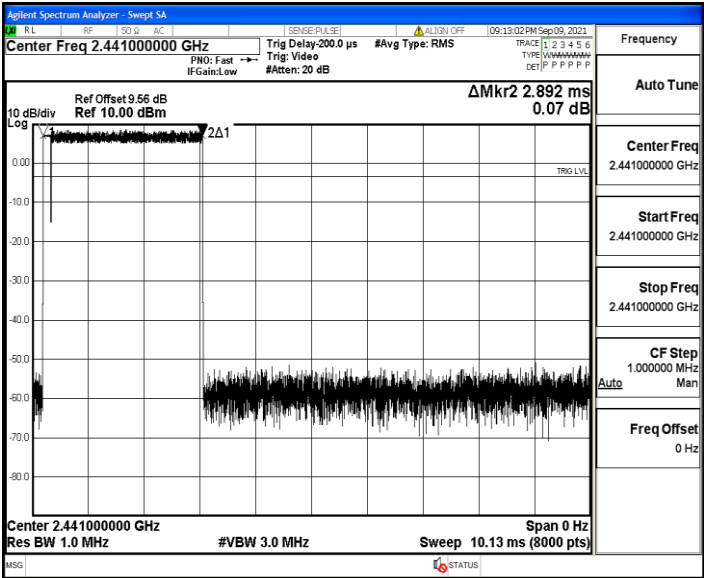


2DH5_Ant3_Hop





3DH5_Ant3_Hop



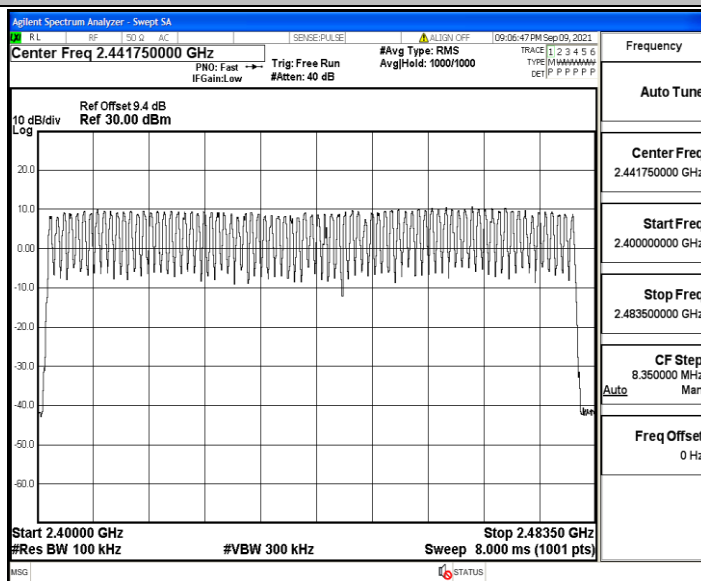
Appendix F: Number of hopping channels

Test Result

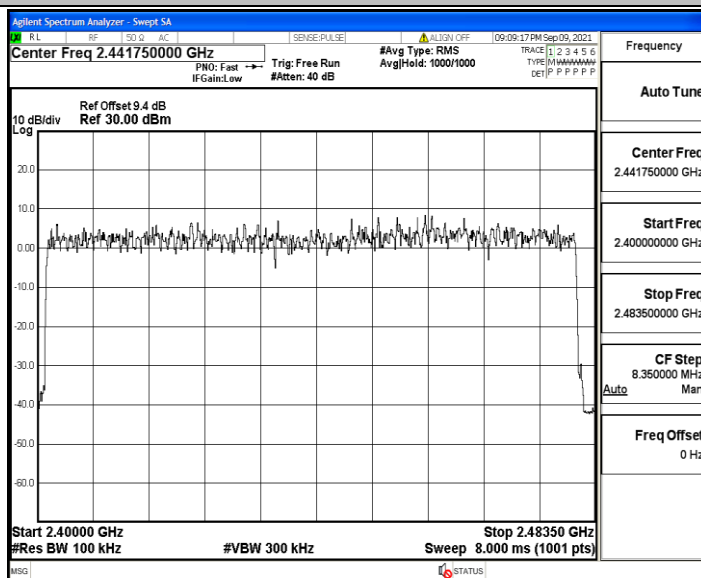
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant3	Hop	79	≥15	PASS
2DH5	Ant3	Hop	79	≥15	PASS
3DH5	Ant3	Hop	79	≥15	PASS

Test Graphs

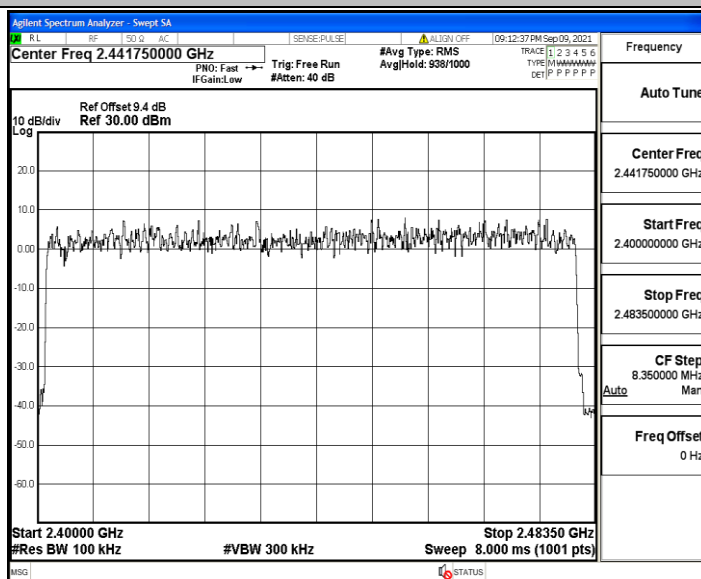
DH5_Ant3_Hop



2DH5_Ant3_Hop



3DH5_Ant3_Hop



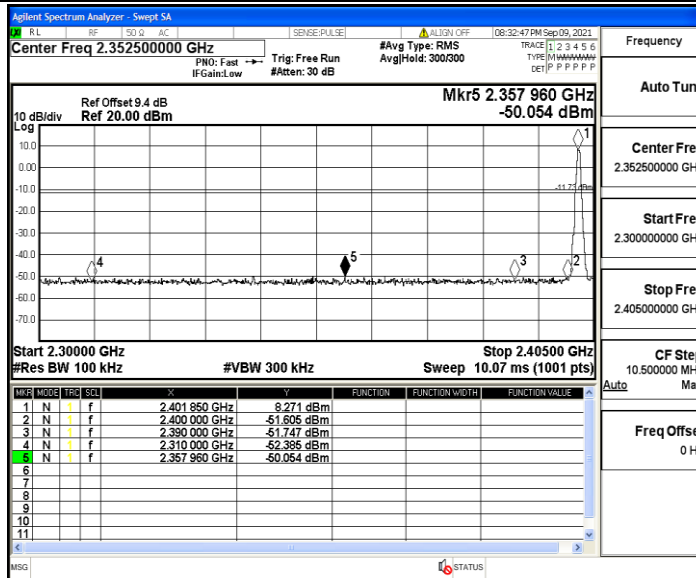
Appendix G: Band edge measurements

Test Result

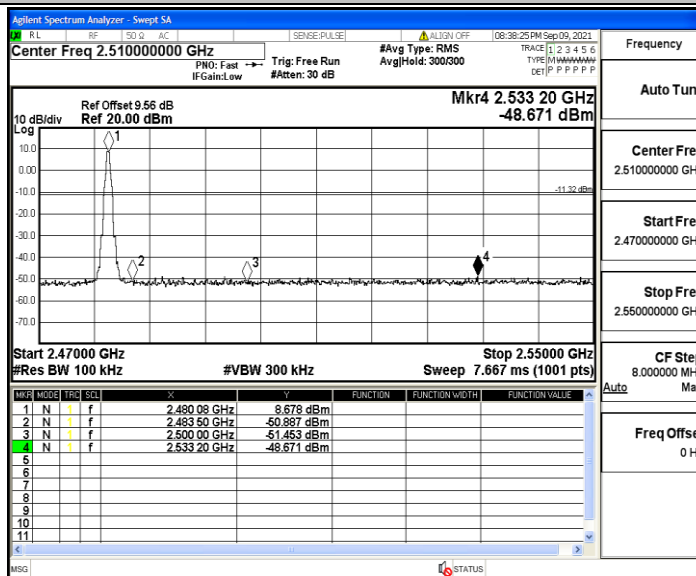
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant3	Low	2402	8.27	-50.05	≤ -11.73	PASS
		High	2480	8.68	-48.67	≤ -11.32	PASS
		Low	Hop_2402	9.06	-49.36	≤ -10.94	PASS
		High	Hop_2480	9.95	-48.15	≤ -10.05	PASS
2DH5	Ant3	Low	2402	7.61	-47.67	≤ -12.39	PASS
		High	2480	6.24	-49.06	≤ -13.76	PASS
		Low	Hop_2402	2.80	-50.32	≤ -17.2	PASS
		High	Hop_2480	7.28	-48.77	≤ -12.72	PASS
3DH5	Ant3	Low	2402	5.27	-49.99	≤ -14.73	PASS
		High	2480	5.82	-48.59	≤ -14.18	PASS
		Low	Hop_2402	3.17	-49.27	≤ -16.83	PASS
		High	Hop_2480	7.30	-48.67	≤ -12.7	PASS

Test Graphs

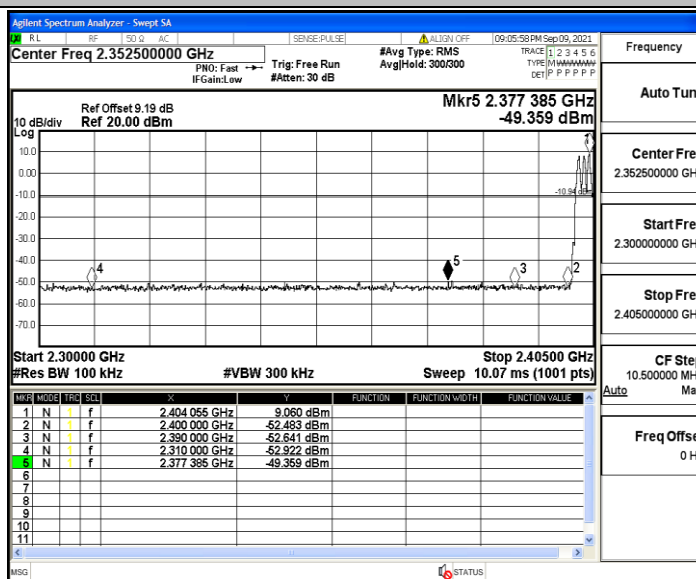
DH5_Ant3_Low_2402



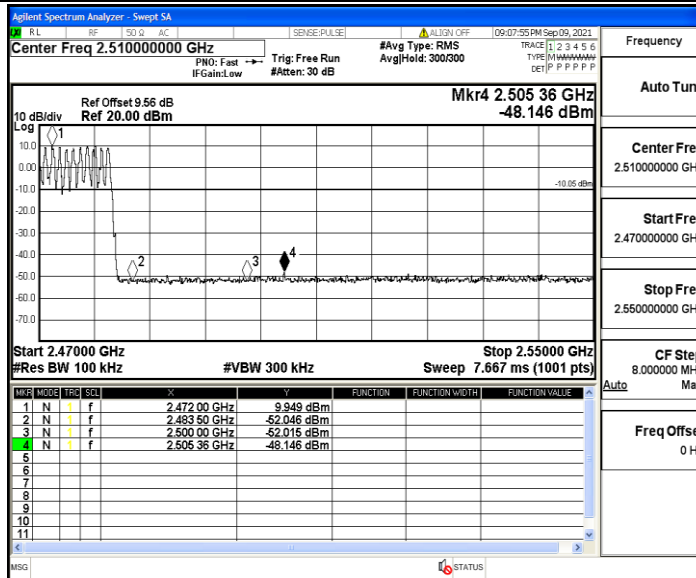
DH5_Ant3_High_2480



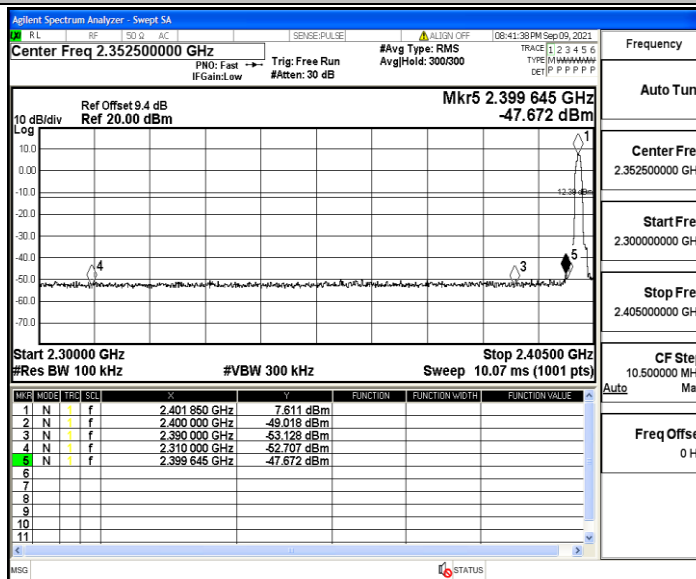
DH5_Ant3_Low_Hop_2402



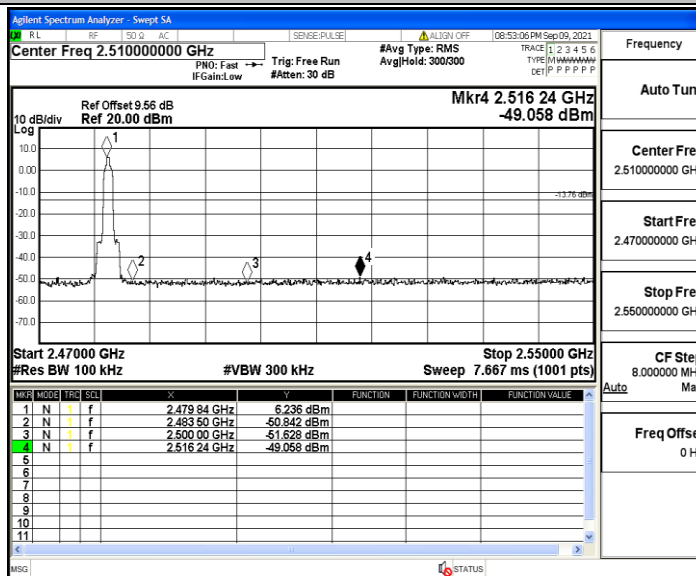
DH5_Ant3_High_Hop_2480



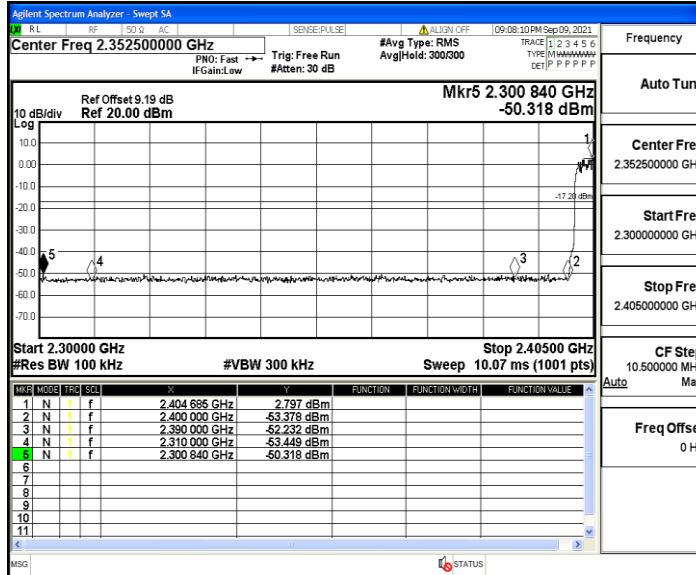
2DH5_Ant3_Low_2402



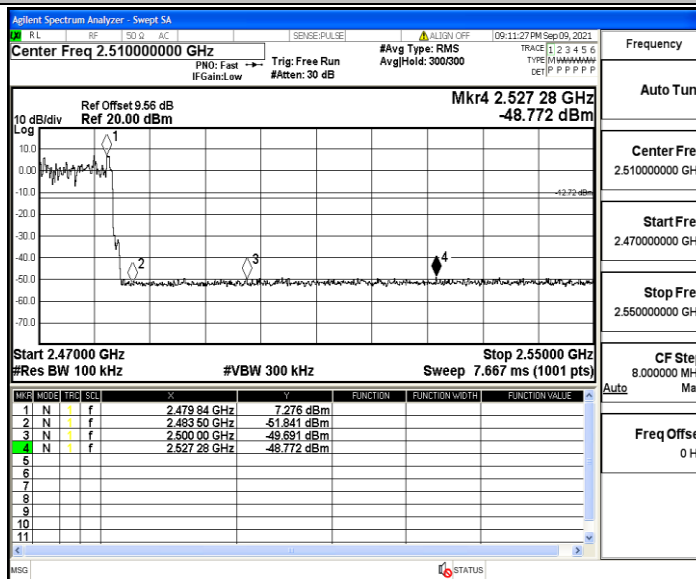
2DH5_Ant3_High_2480



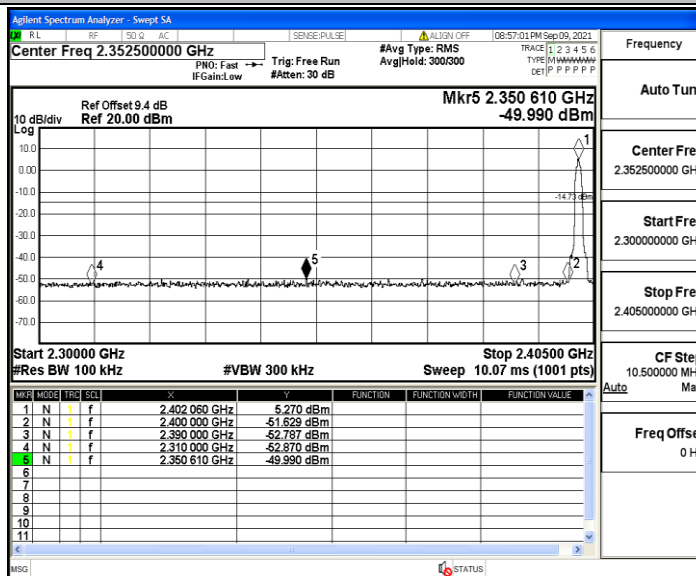
2DH5_Ant3_Low_Hop_2402



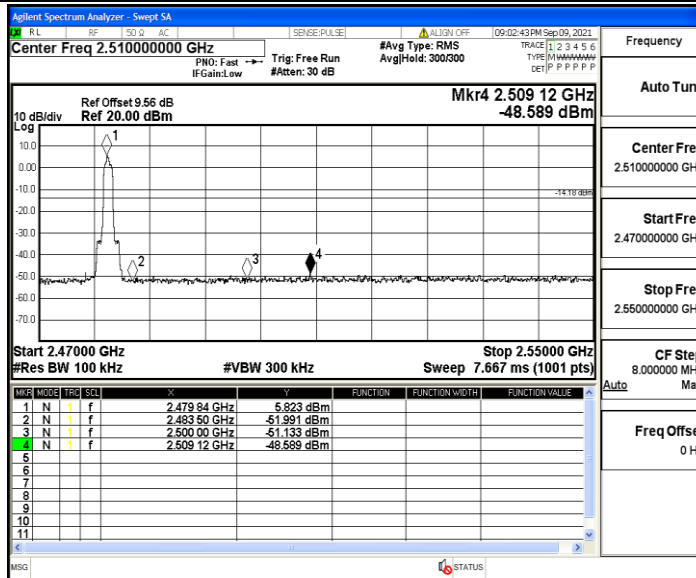
2DH5_Ant3_High_Hop_2480



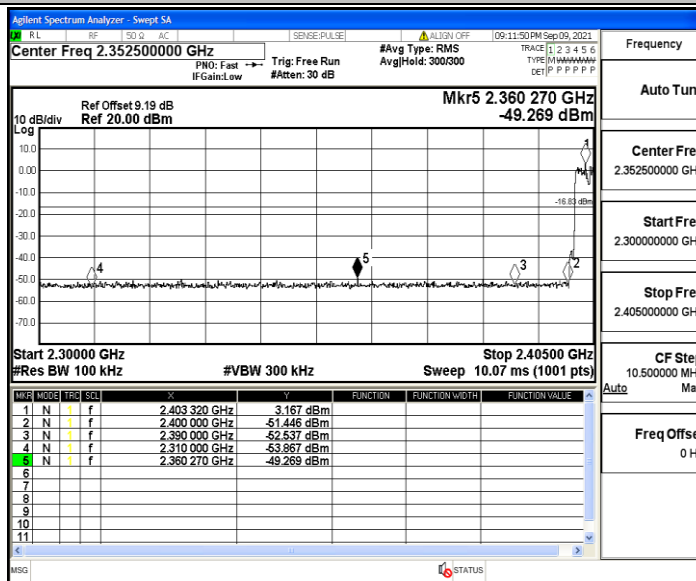
3DH5_Ant3_Low_2402



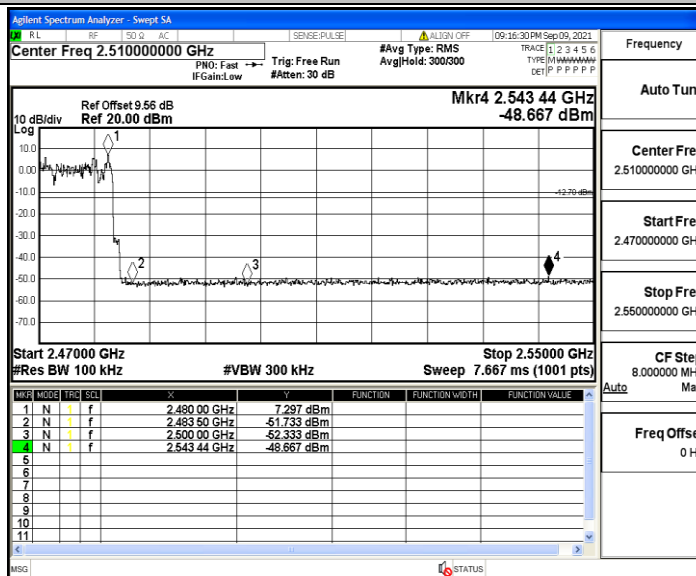
3DH5_Ant3_High_2480



3DH5_Ant3_Low_Hop_2402



3DH5_Ant3_High_Hop_2480



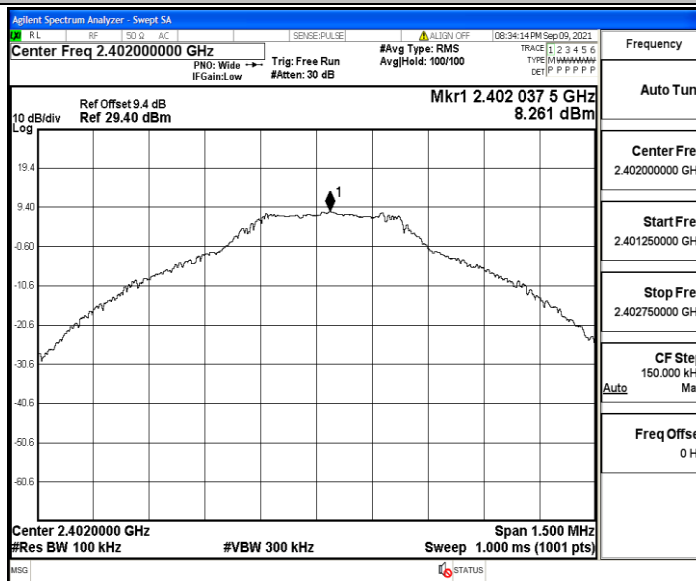
Appendix H: Conducted Spurious Emission

Test Result

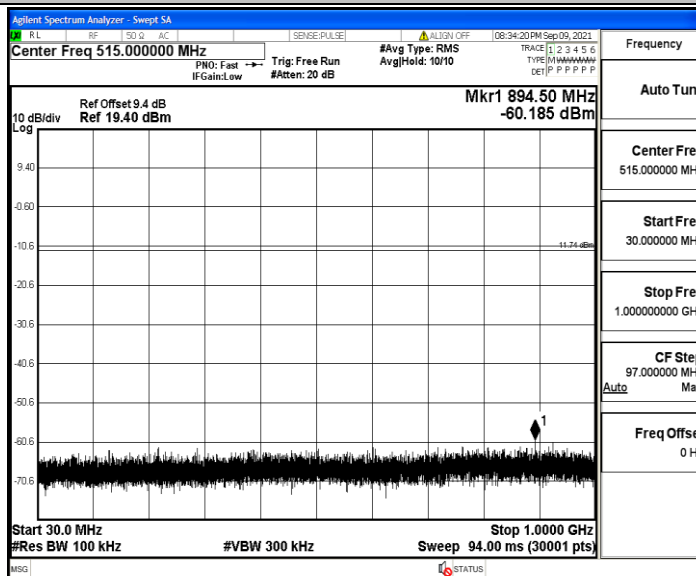
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant3	2402	Reference	8.26	8.26	---	PASS
			30~1000	8.26	-60.19	≤-11.74	PASS
			1000~26500	8.26	-45.18	≤-11.74	PASS
		2441	Reference	8.69	8.69	---	PASS
			30~1000	8.69	-60.31	≤-11.31	PASS
			1000~26500	8.69	-40.72	≤-11.31	PASS
		2480	Reference	8.83	8.83	---	PASS
			30~1000	8.83	-60.51	≤-11.17	PASS
			1000~26500	8.83	-38.53	≤-11.17	PASS
2DH5	Ant3	2402	Reference	6.83	6.83	---	PASS
			30~1000	6.83	-60.96	≤-13.17	PASS
			1000~26500	6.83	-47.28	≤-13.17	PASS
		2441	Reference	8.87	8.87	---	PASS
			30~1000	8.87	-60.75	≤-11.13	PASS
			1000~26500	8.87	-44.65	≤-11.13	PASS
		2480	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-61.36	≤-13.95	PASS
			1000~26500	6.05	-48.35	≤-13.95	PASS
3DH5	Ant3	2402	Reference	4.89	4.89	---	PASS
			30~1000	4.89	-61.44	≤-15.11	PASS
			1000~26500	4.89	-51.63	≤-15.11	PASS
		2441	Reference	5.16	5.16	---	PASS
			30~1000	5.16	-60.7	≤-14.84	PASS
			1000~26500	5.16	-51.13	≤-14.84	PASS
		2480	Reference	5.86	5.86	---	PASS
			30~1000	5.86	-60.25	≤-14.14	PASS
			1000~26500	5.86	-46.41	≤-14.14	PASS

Test Graphs

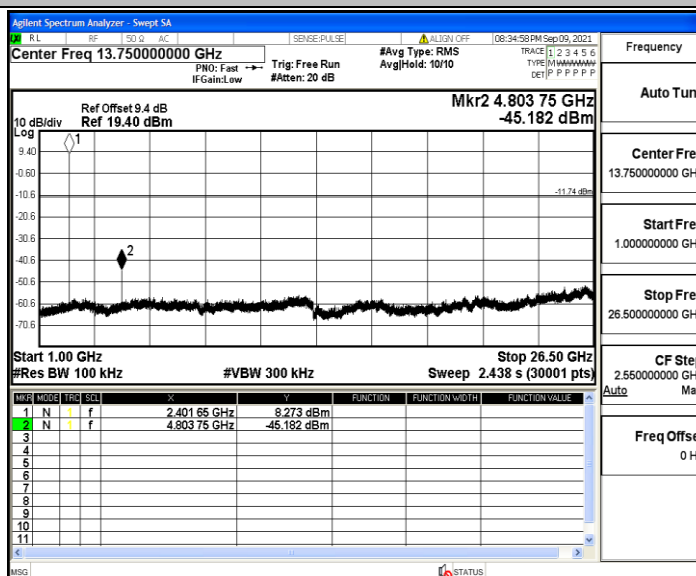
DH5_Ant3_2402_0~Reference



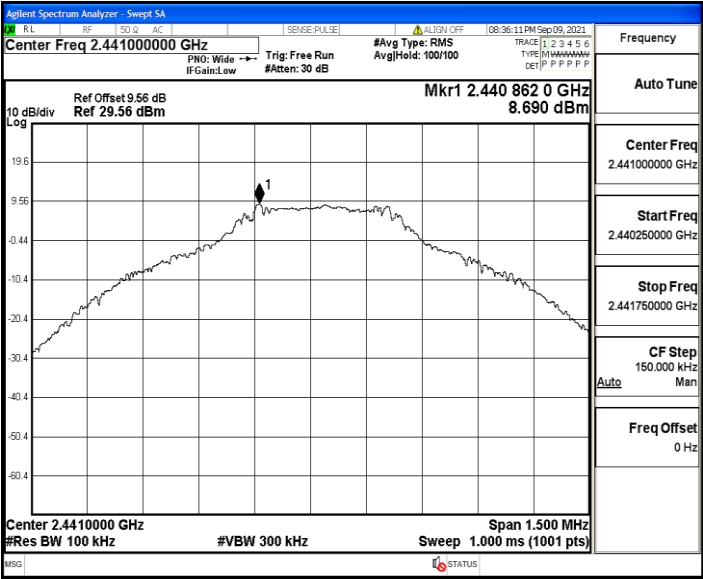
DH5_Ant3_2402_30~1000



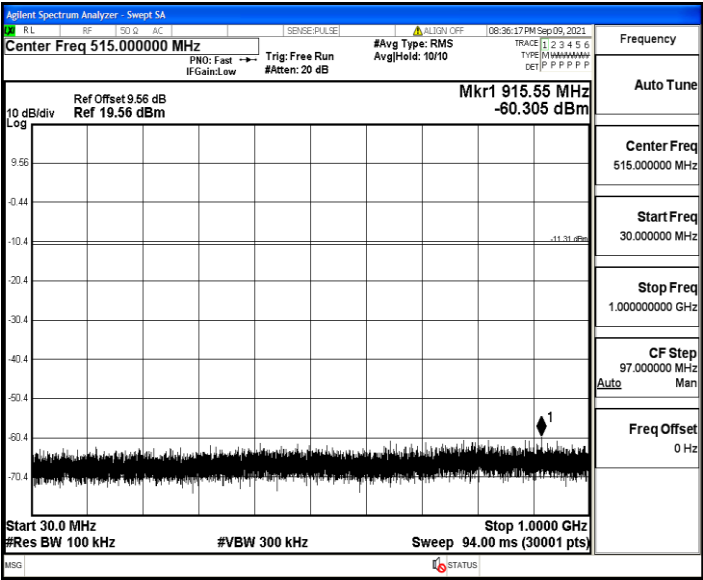
DH5_Ant3_2402_1000~26500



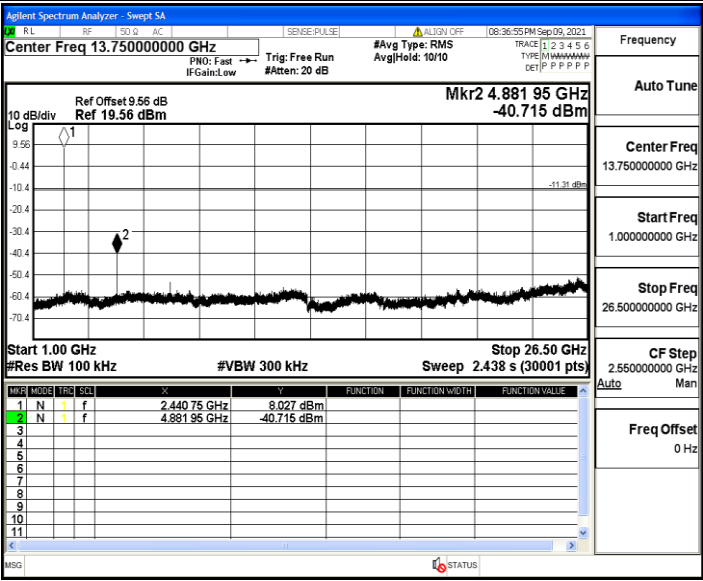
DH5 Ant3 2441 0~Reference



DH5_Ant3_2441_30~1000



DH5_Ant3_2441_1000~26500



DH5_Ant3_2480_0~Reference