

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

Product Name: 4K HDMI dongle

Trade Mark: Homatics

Test Model: SN8BAGC

FCC ID: 2A0VU-DONGLEQ

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

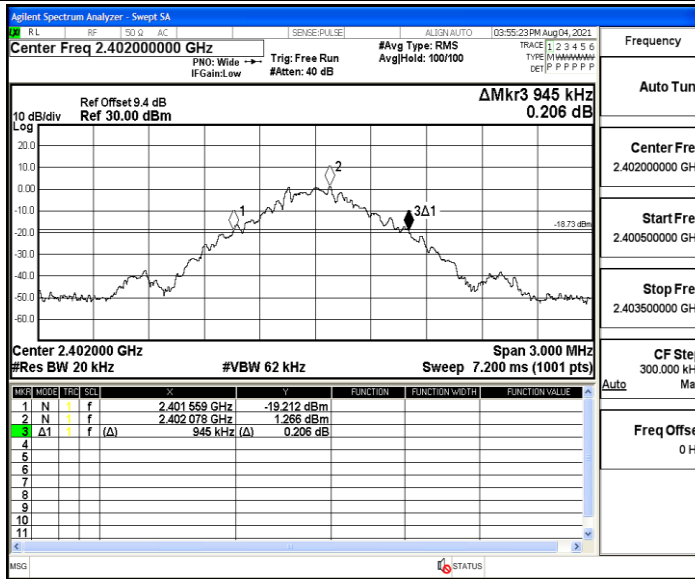
Appendix A: 20dB Emission Bandwidth

Test Result

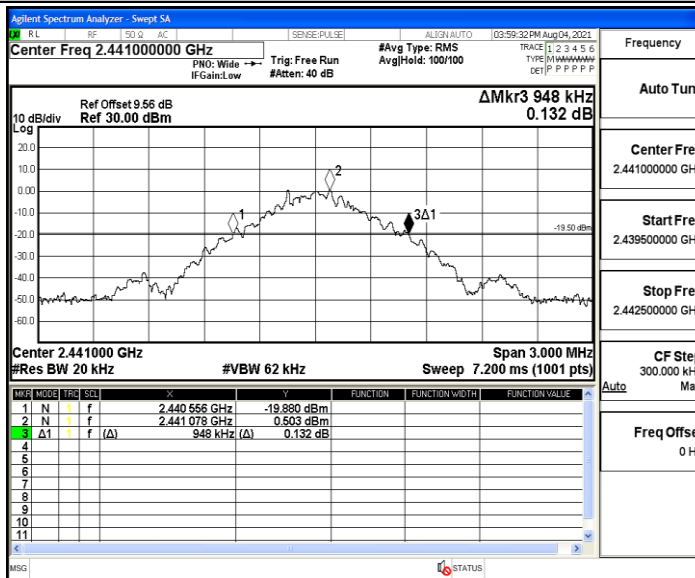
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.559	2402.504	---	PASS
		2441	0.948	2440.556	2441.504	---	PASS
		2480	0.951	2479.556	2480.507	---	PASS
2DH5	Ant1	2402	1.311	2401.364	2402.675	---	PASS
		2441	1.320	2440.358	2441.678	---	PASS
		2480	1.305	2479.364	2480.669	---	PASS
3DH5	Ant1	2402	1.290	2401.370	2402.660	---	PASS
		2441	1.275	2440.373	2441.648	---	PASS
		2480	1.266	2479.373	2480.639	---	PASS

Test Graphs

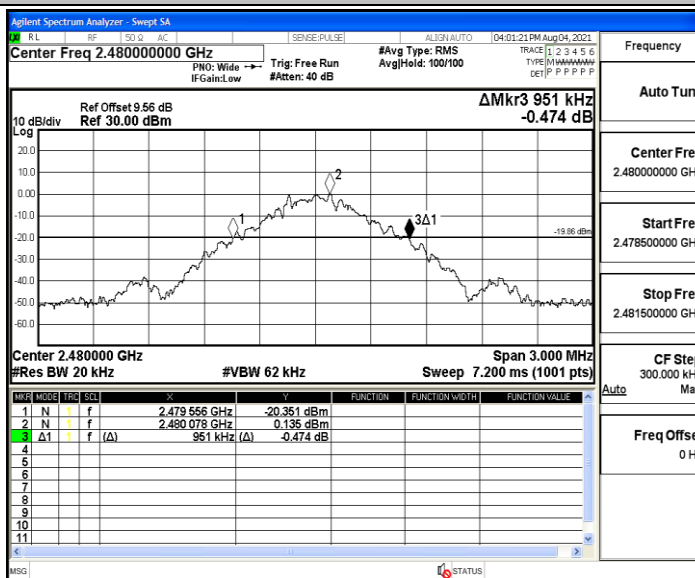
DH5_Ant1_2402



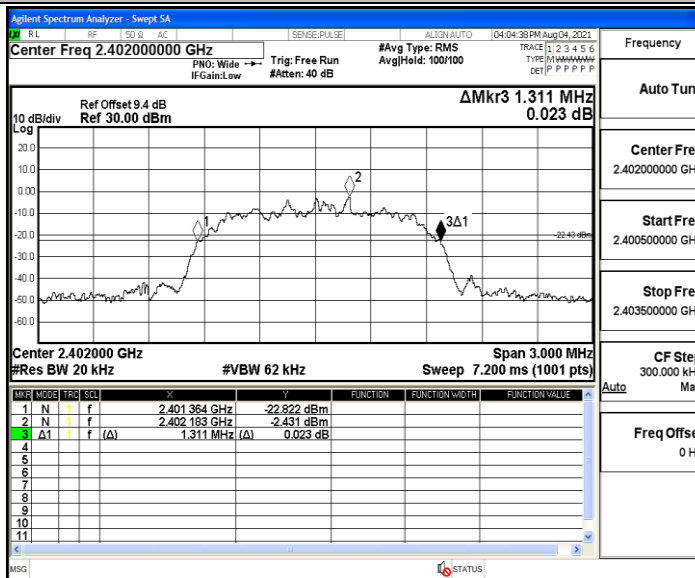
DH5_Ant1_2441



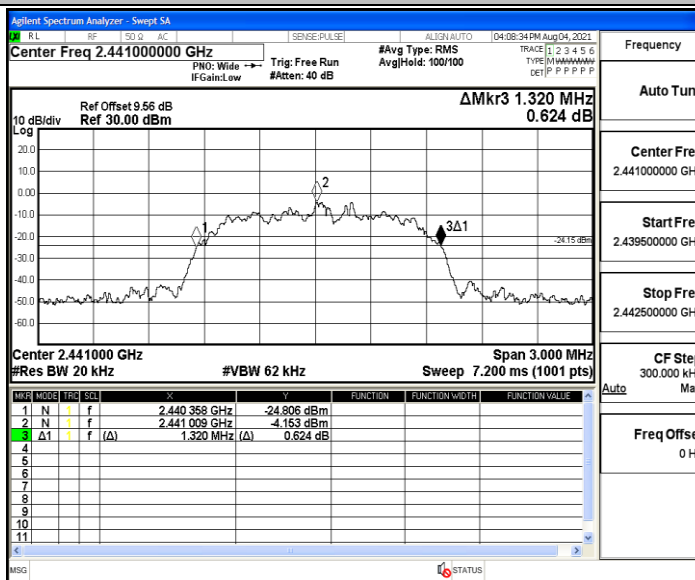
DH5_Ant1_2480



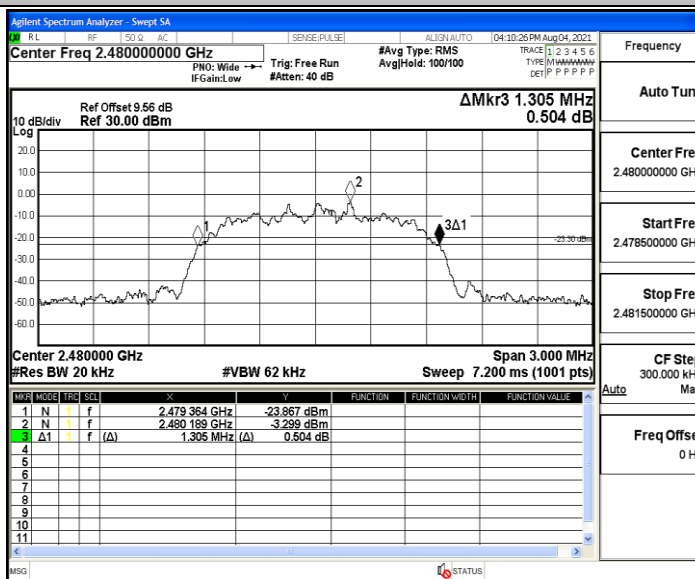
2DH5_Ant1_2402



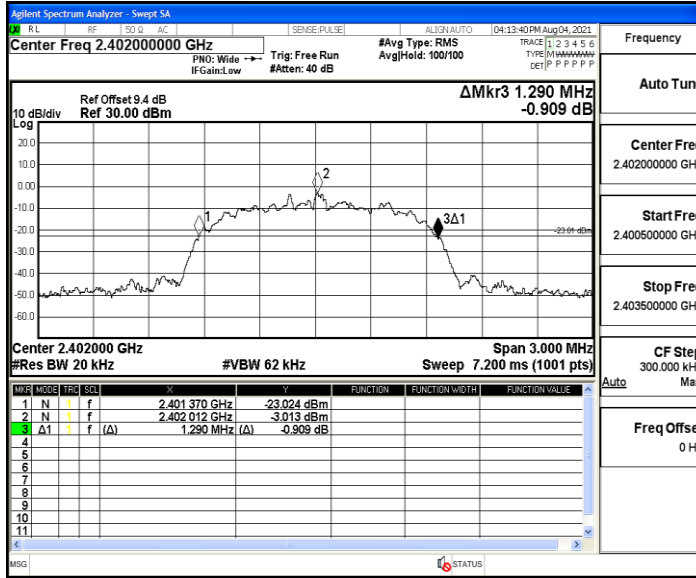
2DH5_Ant1_2441



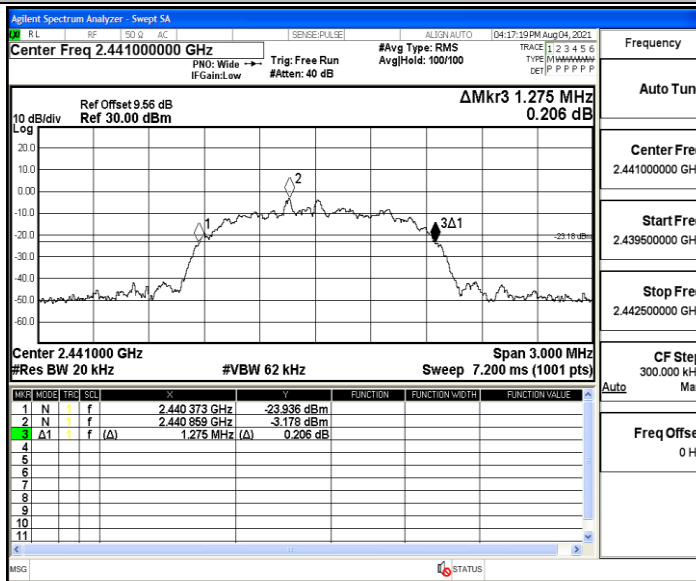
2DH5_Ant1_2480



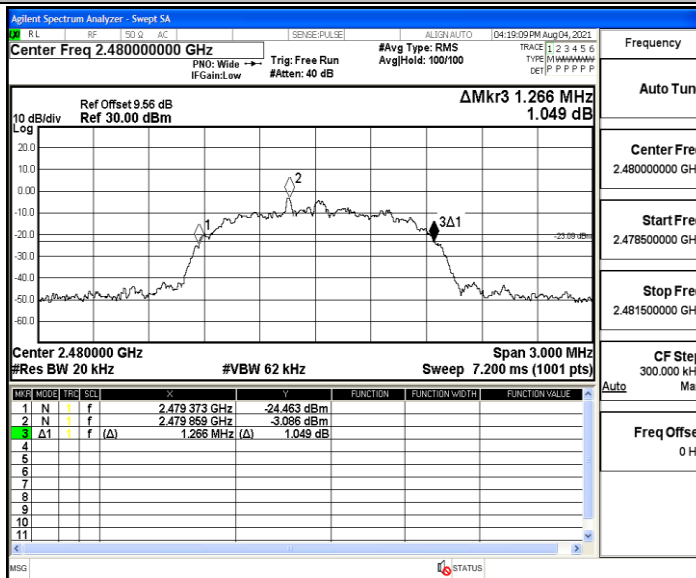
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



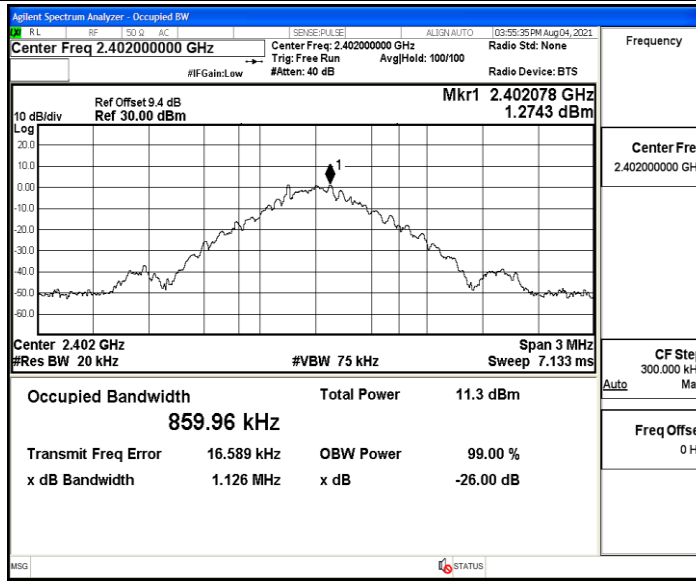
Appendix B: Occupied Channel Bandwidth

Test Result

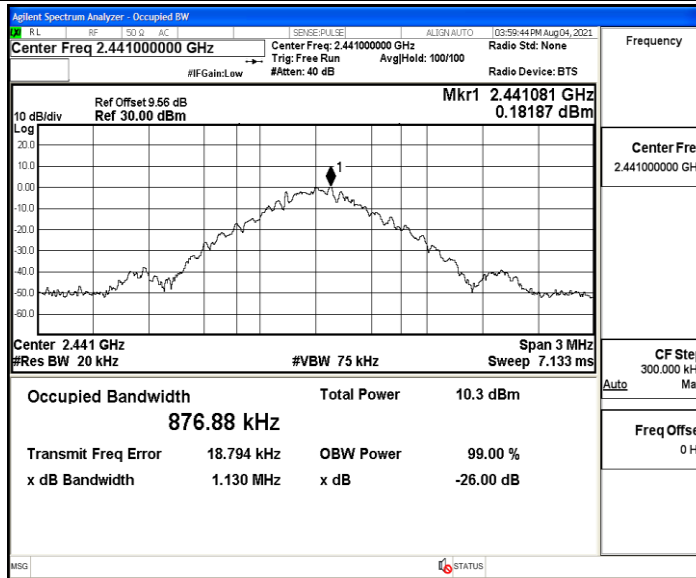
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85996	2401.587	2402.447	---	PASS
		2441	0.87688	2440.580	2441.457	---	PASS
		2480	0.85977	2479.586	2480.446	---	PASS
2DH5	Ant1	2402	1.1745	2401.432	2402.606	---	PASS
		2441	1.1751	2440.432	2441.607	---	PASS
		2480	1.1726	2479.432	2480.604	---	PASS
3DH5	Ant1	2402	1.1745	2401.427	2402.601	---	PASS
		2441	1.1783	2440.424	2441.603	---	PASS
		2480	1.1777	2479.425	2480.602	---	PASS

Test Graphs

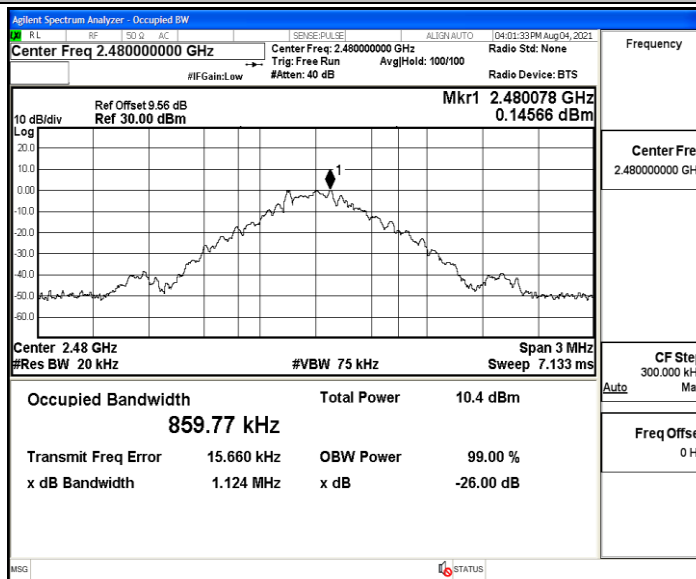
DH5_Ant1_2402



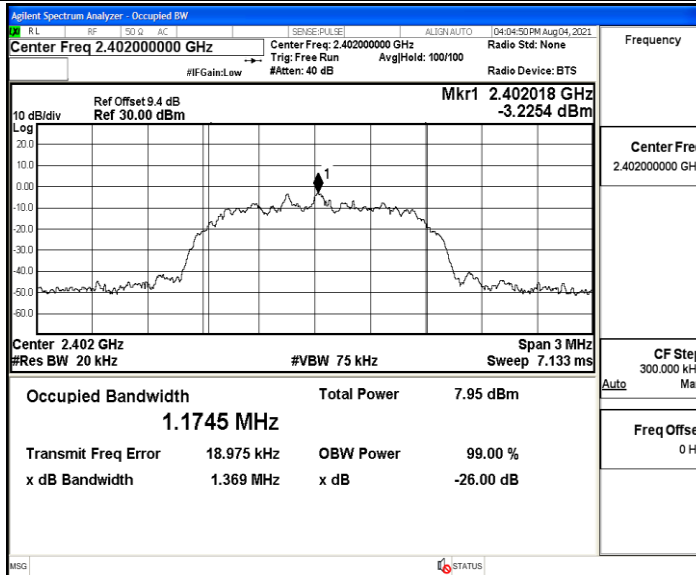
DH5_Ant1_2441



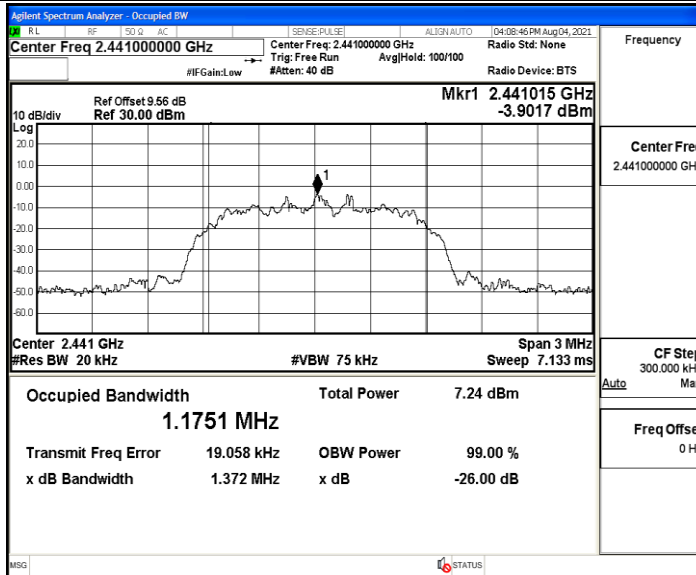
DH5_Ant1_2480



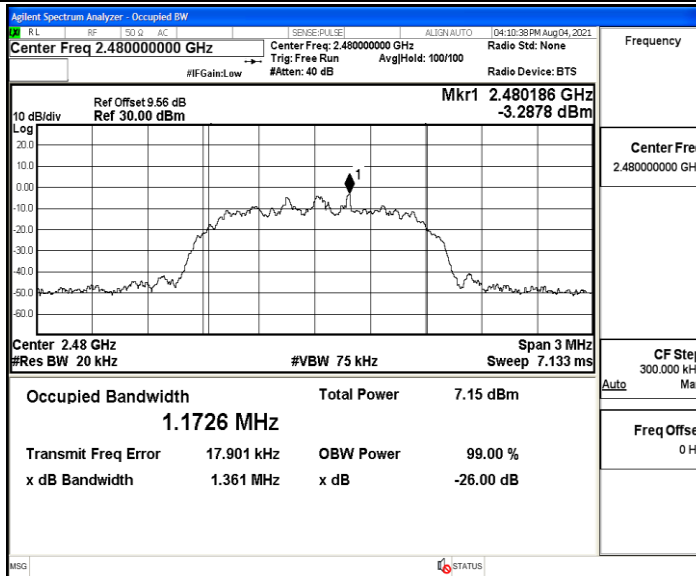
2DH5_Ant1_2402



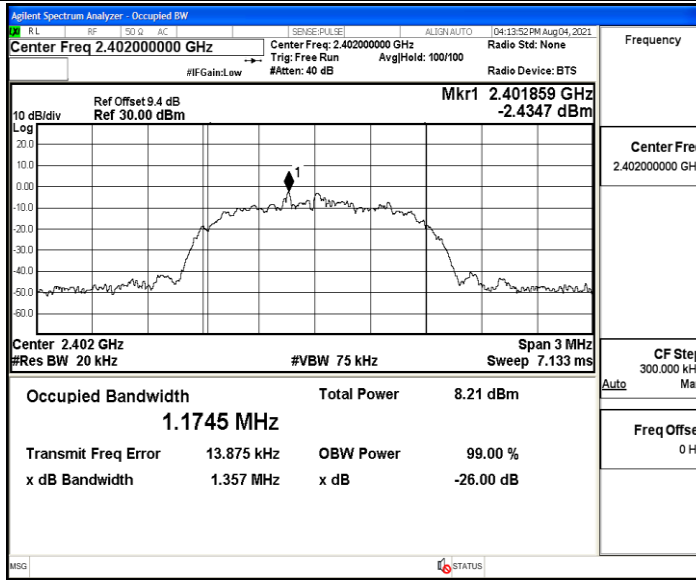
2DH5_Ant1_2441



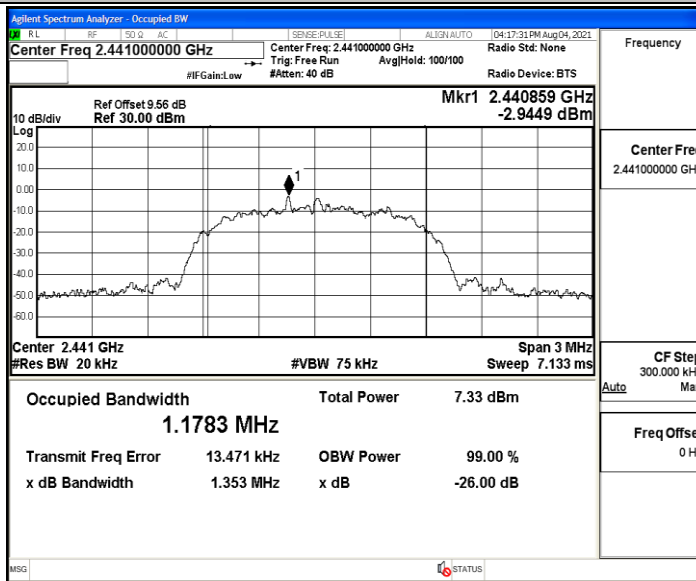
2DH5_Ant1_2480



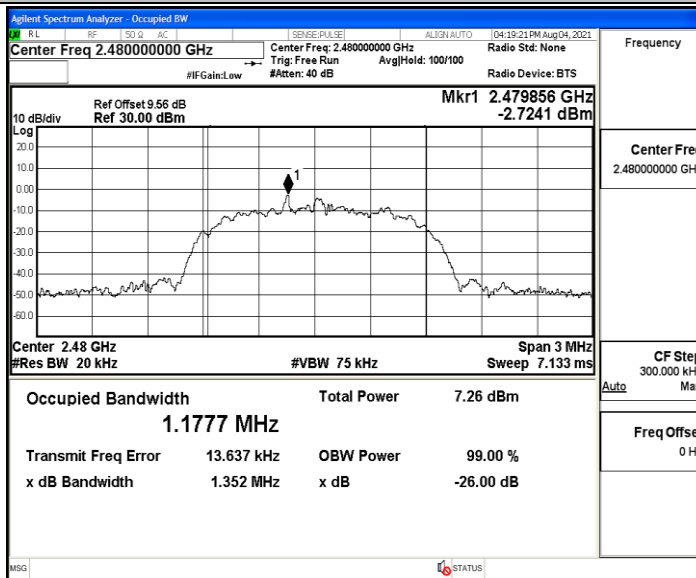
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



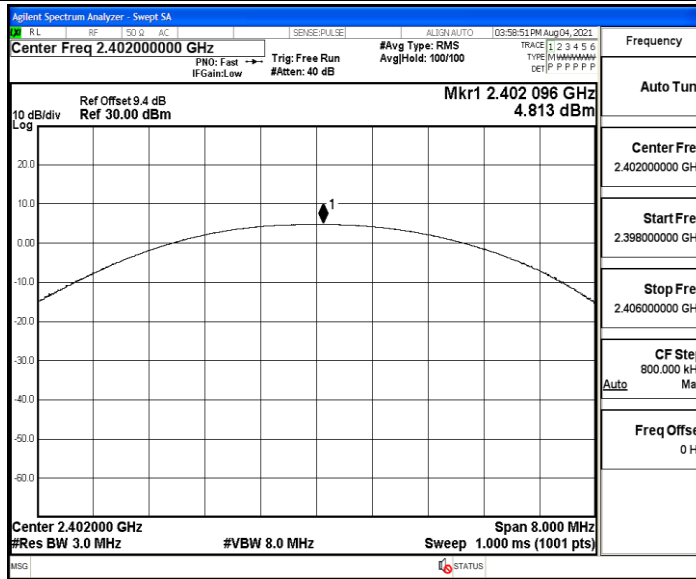
Appendix C: Maximum conducted output power

Test Result

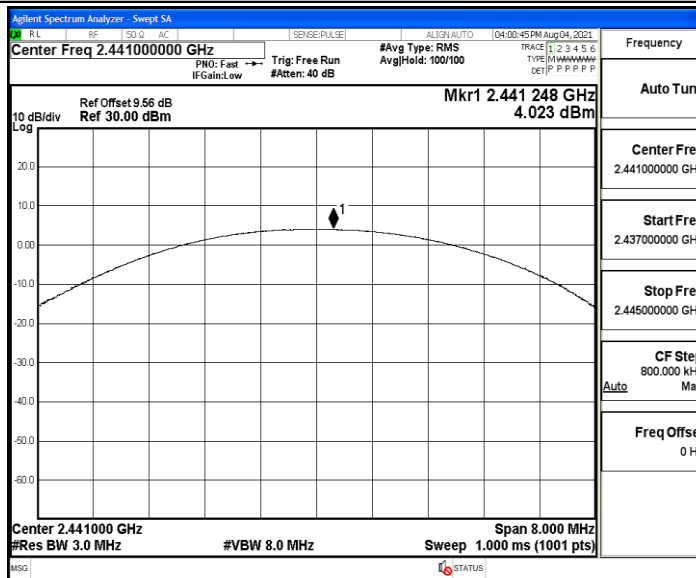
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.81	≤30.0	PASS
		2441	4.02	≤30.0	PASS
		2480	3.75	≤30.0	PASS
2DH5	Ant1	2402	3.33	≤20.97	PASS
		2441	2.55	≤20.97	PASS
		2480	2.3	≤20.97	PASS
3DH5	Ant1	2402	3.95	≤20.97	PASS
		2441	3.17	≤20.97	PASS
		2480	2.88	≤20.97	PASS

Test Graphs

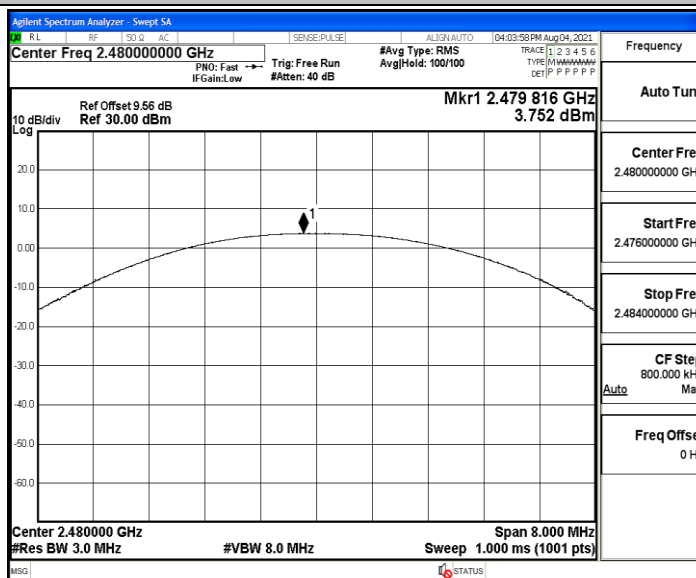
DH5_Ant1_2402



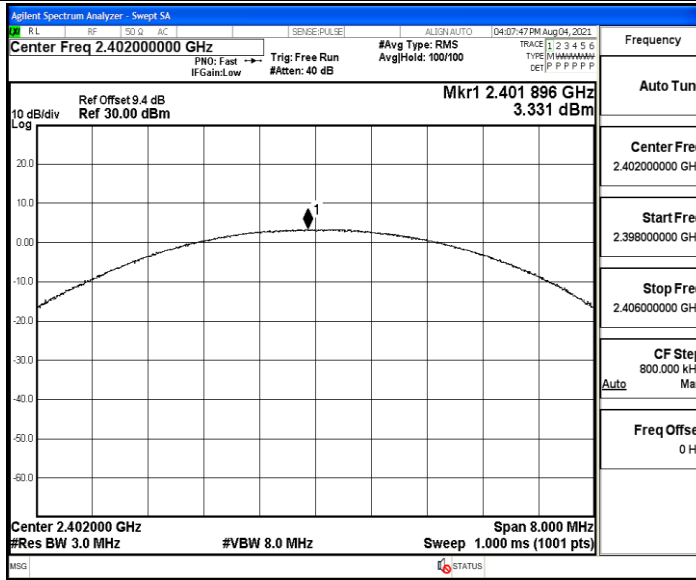
DH5_Ant1_2441



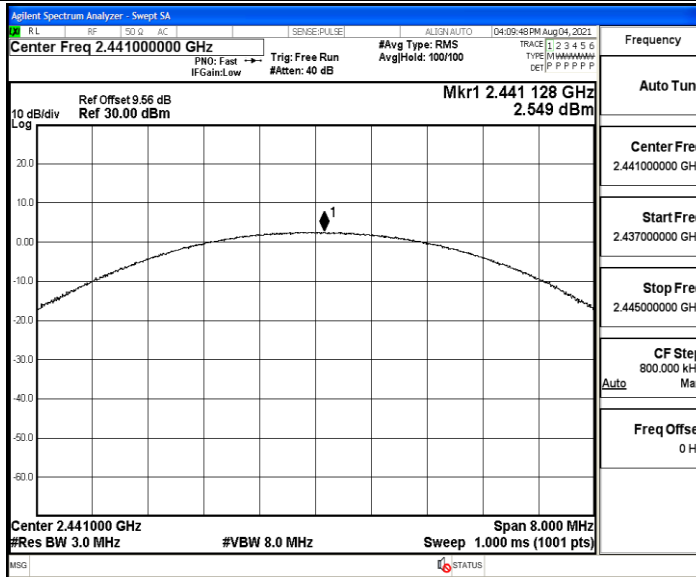
DH5_Ant1_2480



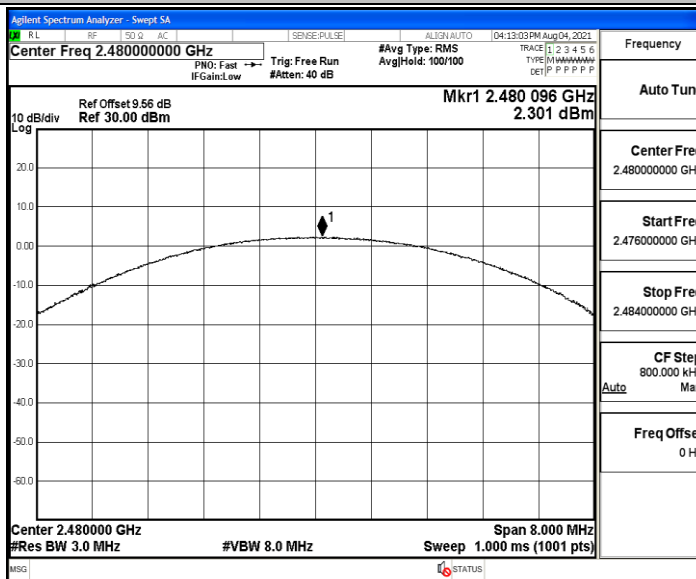
2DH5_Ant1_2402



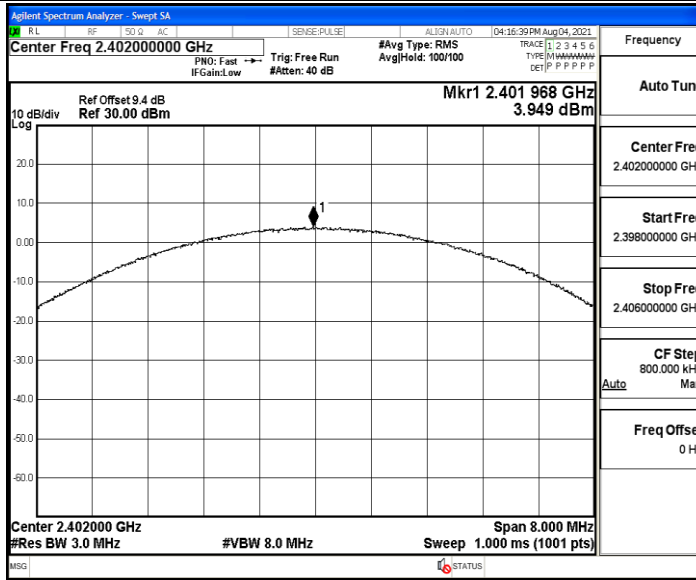
2DH5_Ant1_2441



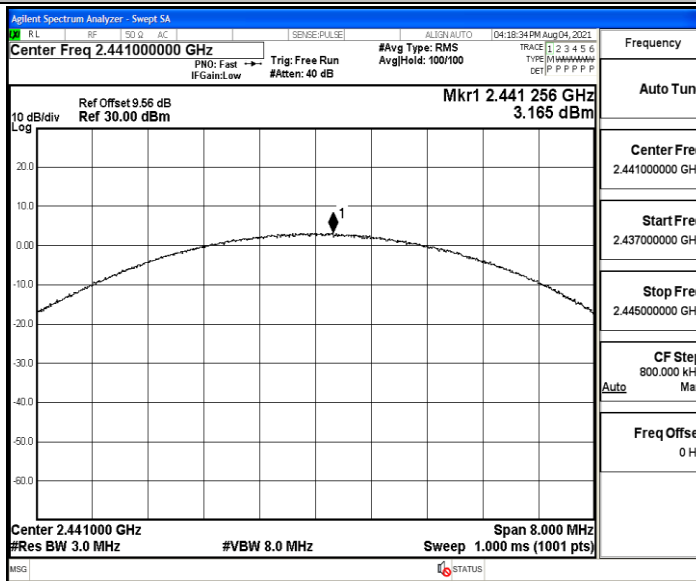
2DH5_Ant1_2480



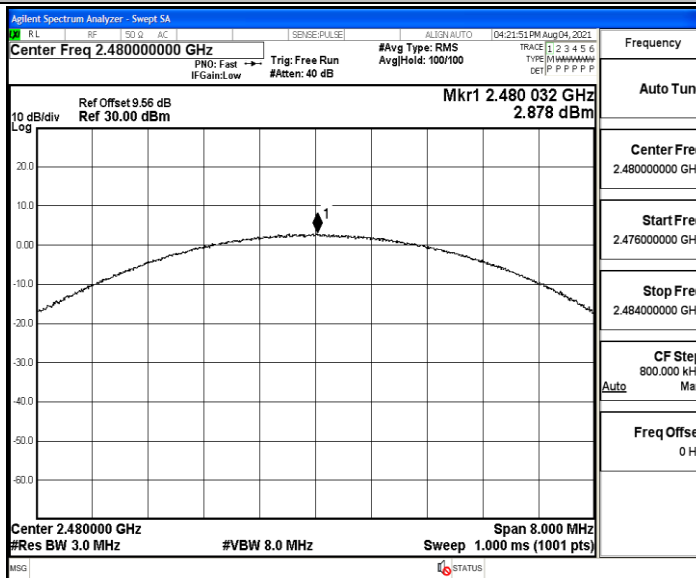
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



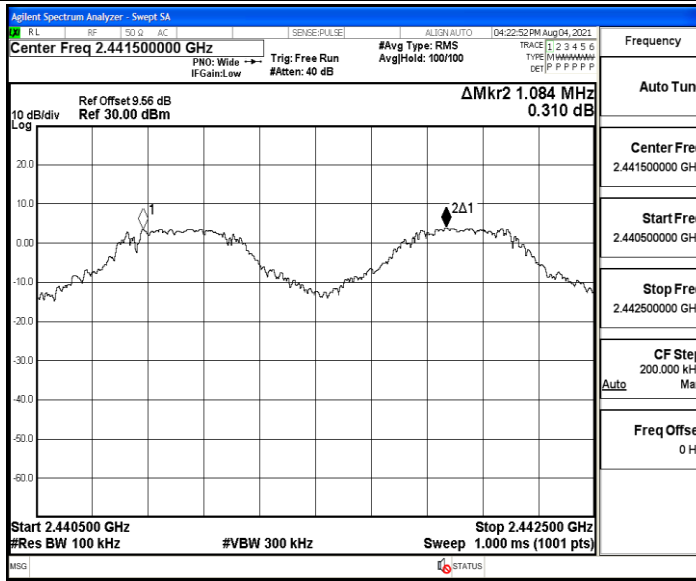
Appendix D: Carrier frequency separation

Test Result

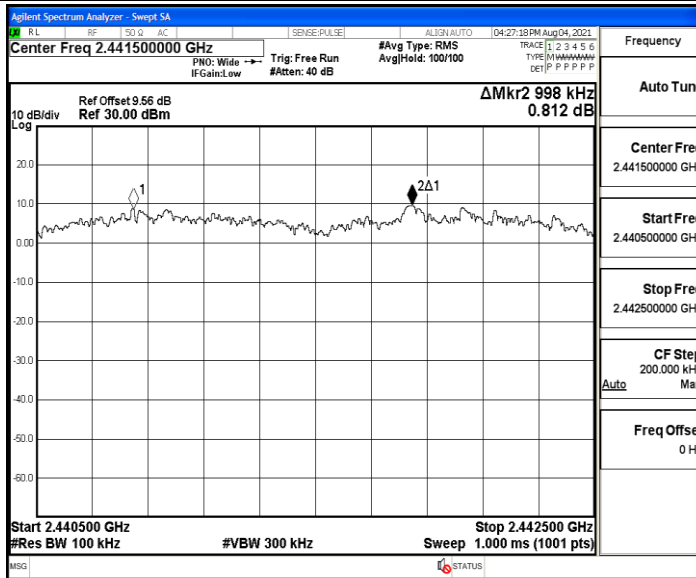
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.084	≥ 0.951	PASS
2DH5	Ant1	Hop	0.998	≥ 0.880	PASS
3DH5	Ant1	Hop	1.000	≥ 0.860	PASS

Test Graphs

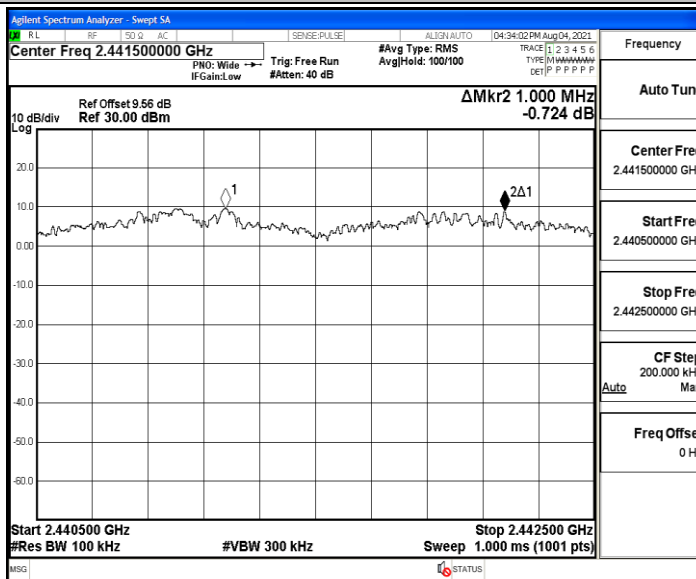
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



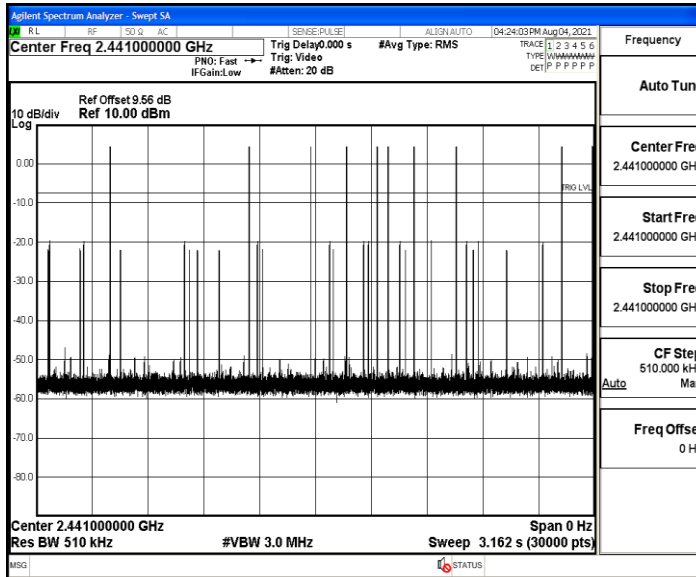
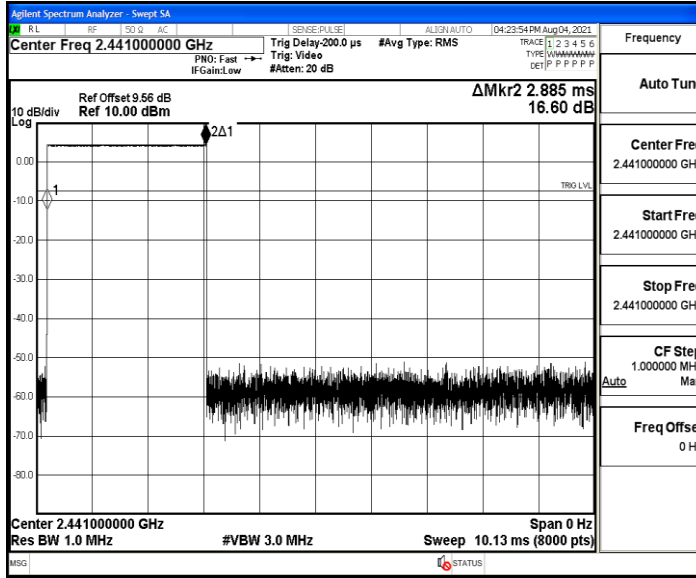
Appendix E: Time of occupancy

Test Result

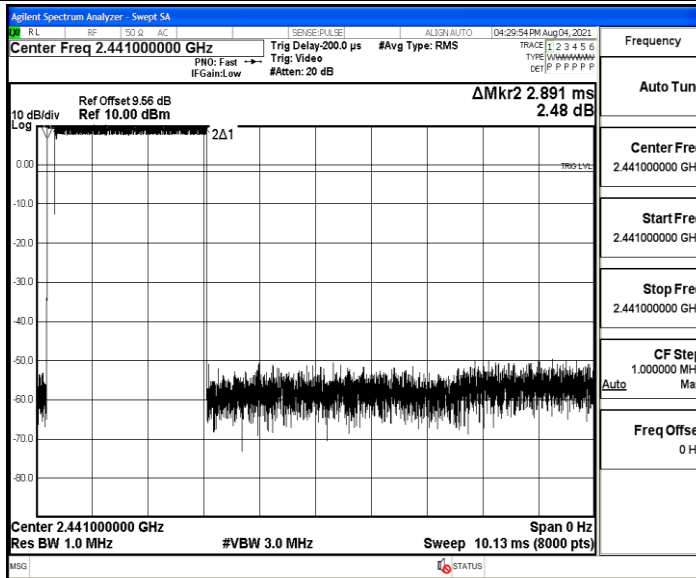
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.89	100	0.289	≤0.4	PASS

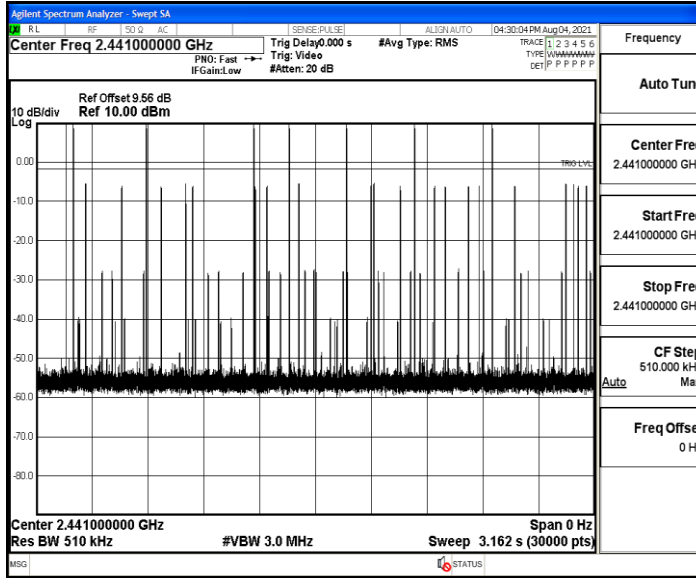
Test Graphs

DH5_Ant1_Hop

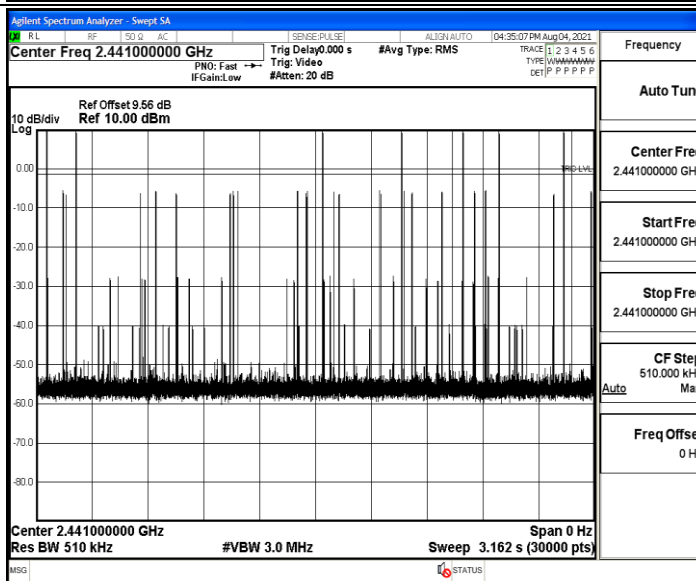
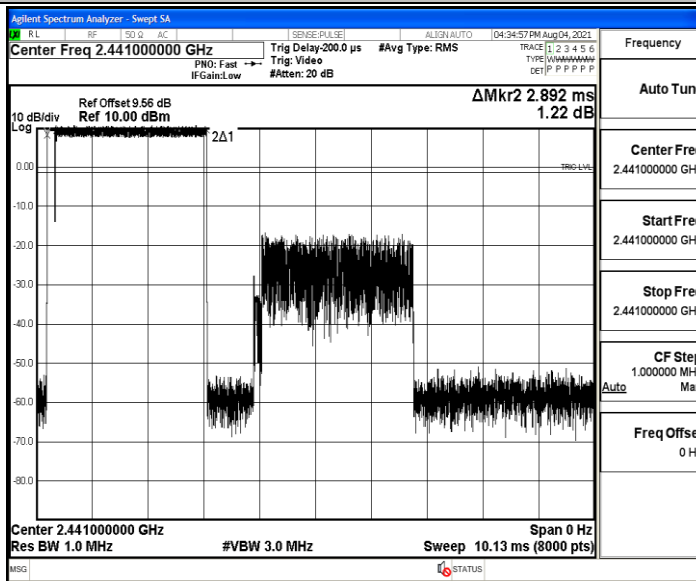


2DH5_Ant1_Hop





3DH5_Ant1_Hop



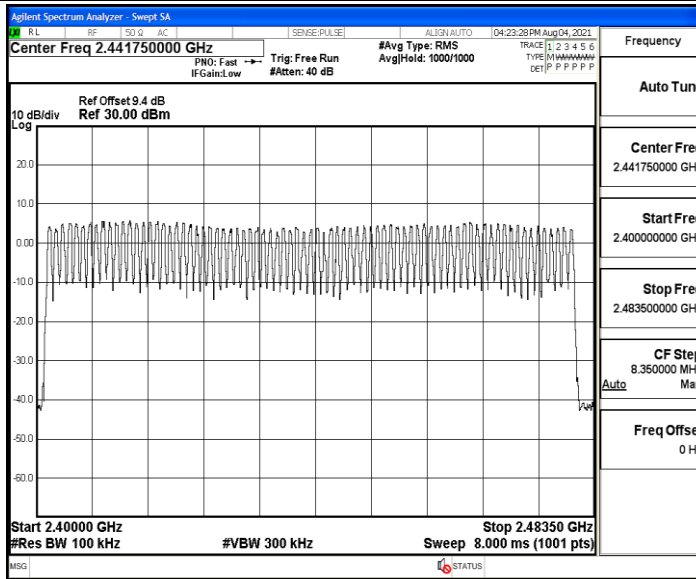
Appendix F: Number of hopping channels

Test Result

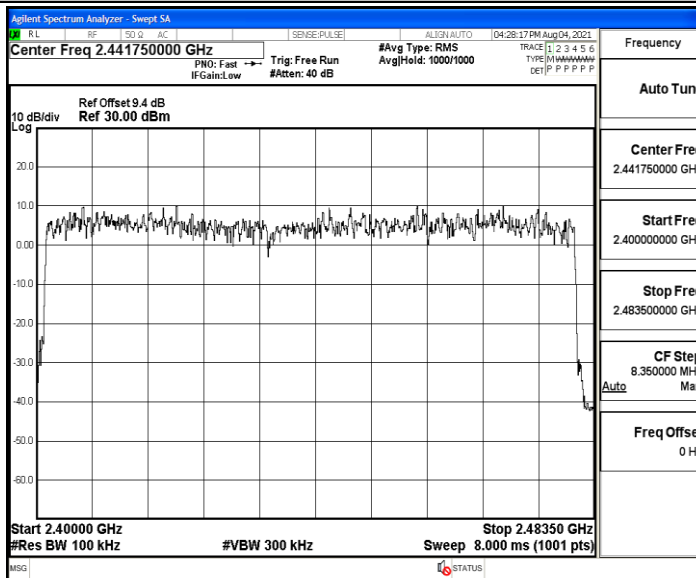
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

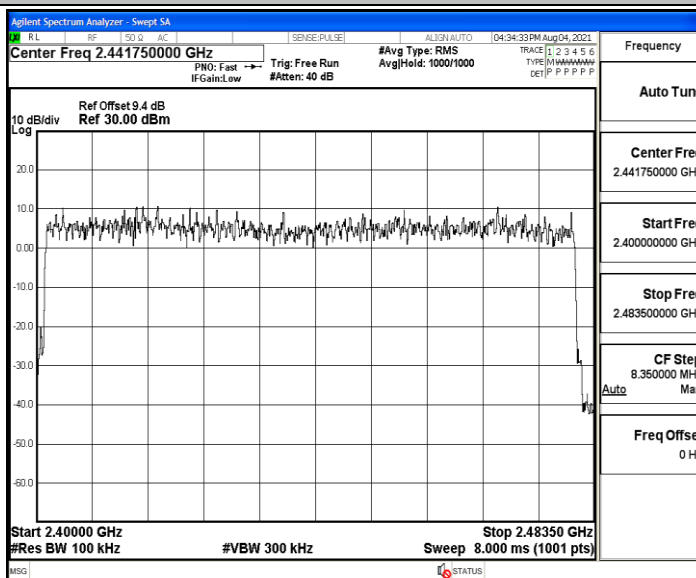
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



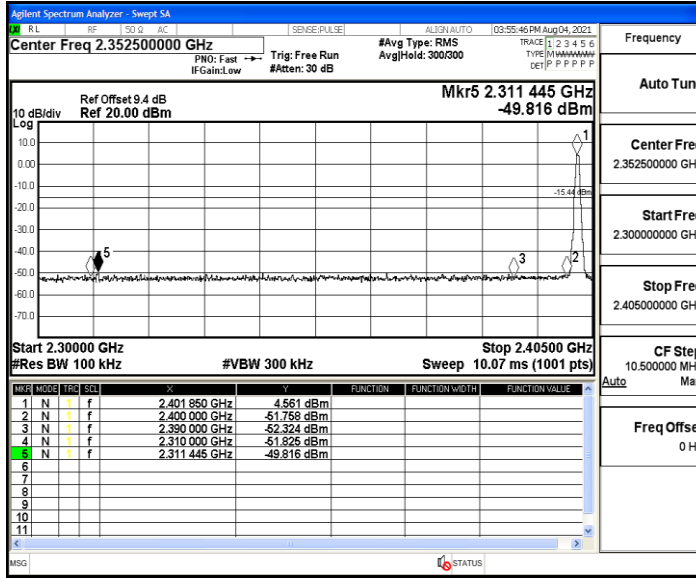
Appendix G: Band edge measurements

Test Result

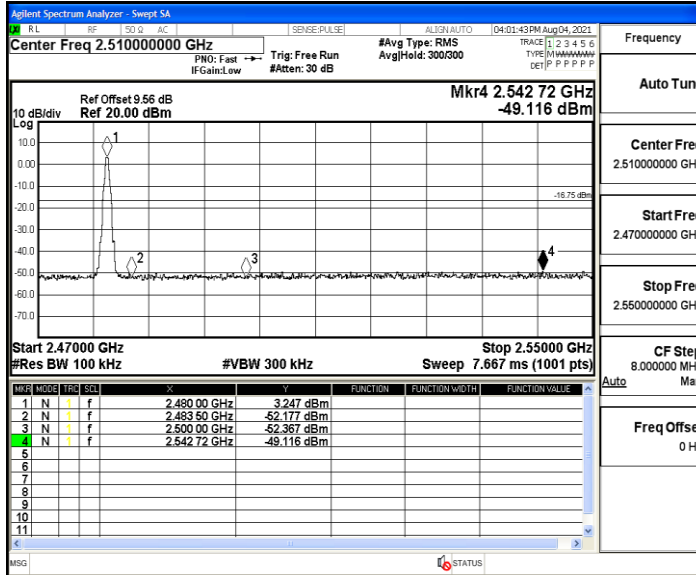
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.56	-49.82	≤-15.44	PASS
		High	2480	3.25	-49.12	≤-16.75	PASS
		Low	Hop_2402	4.79	-50.31	≤-15.21	PASS
		High	Hop_2480	4.86	-49.33	≤-15.15	PASS
2DH5	Ant1	Low	2402	1.79	-49.88	≤-18.21	PASS
		High	2480	0.94	-49.45	≤-19.06	PASS
		Low	Hop_2402	6.46	-49.56	≤-13.54	PASS
		High	Hop_2480	9.81	-47.76	≤-10.19	PASS
3DH5	Ant1	Low	2402	1.43	-49.58	≤-18.58	PASS
		High	2480	0.41	-48.61	≤-19.59	PASS
		Low	Hop_2402	9.00	-48.88	≤-11	PASS
		High	Hop_2480	7.65	-48.43	≤-12.35	PASS

Test Graphs

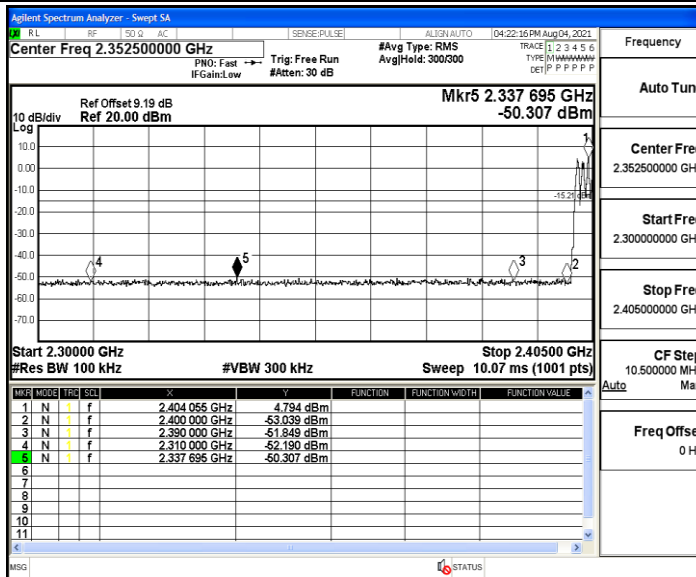
DH5_Ant1_Low_2402



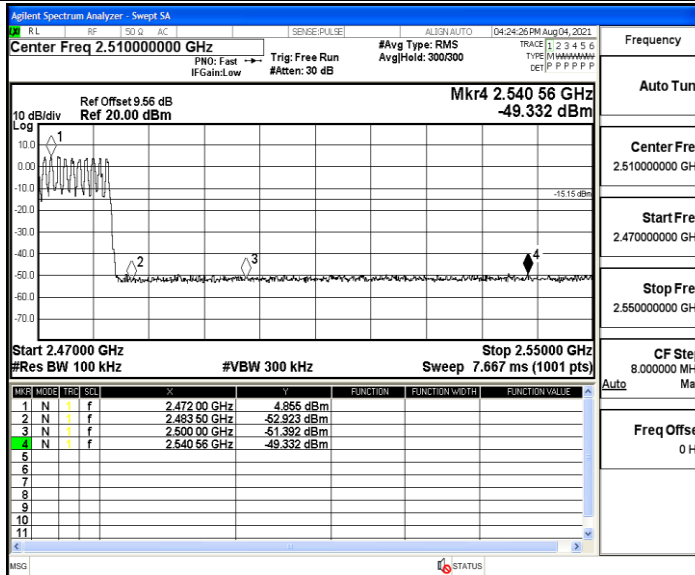
DH5_Ant1_High_2480



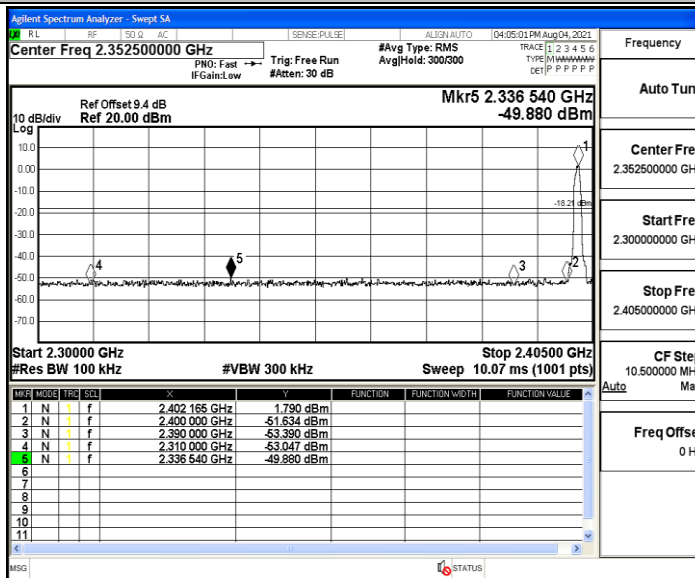
DH5_Ant1_Low_Hop_2402



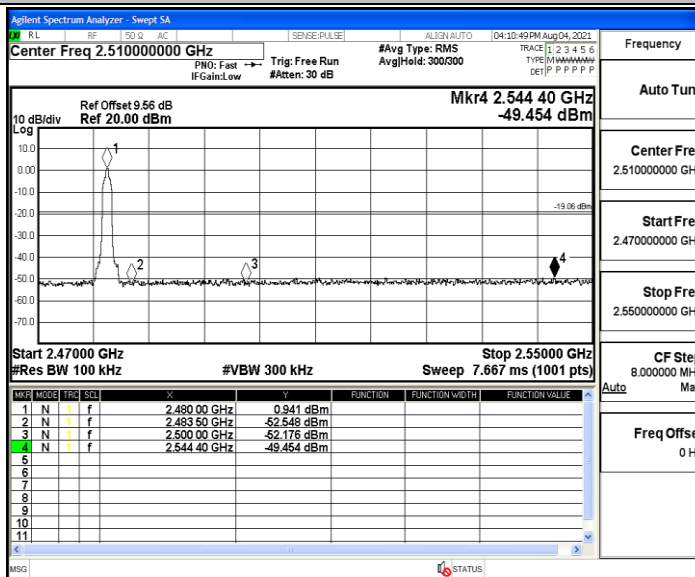
DH5_Ant1_High_Hop_2480



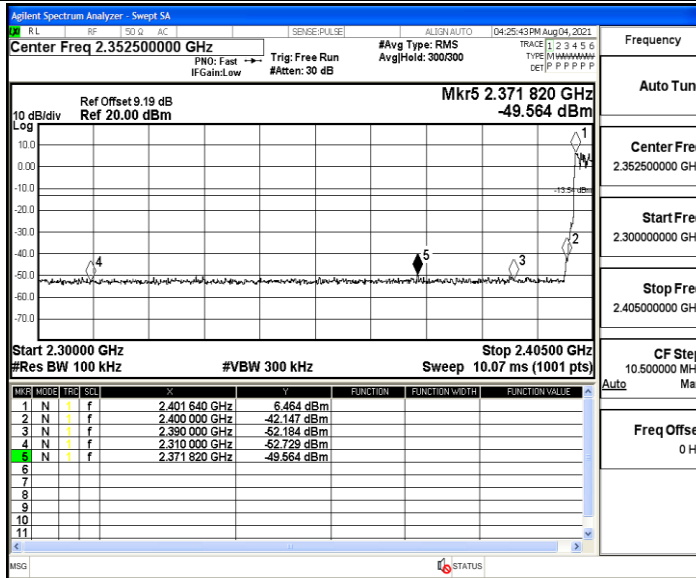
2DH5_Ant1_Low_2402



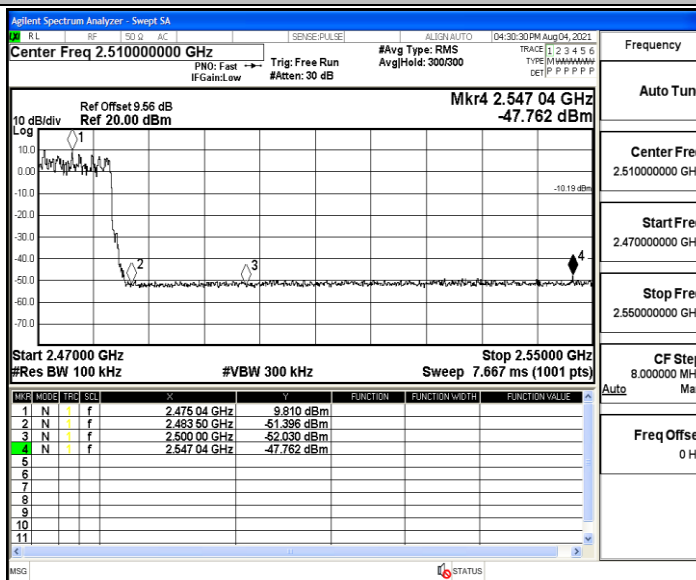
2DH5_Ant1_High_2480



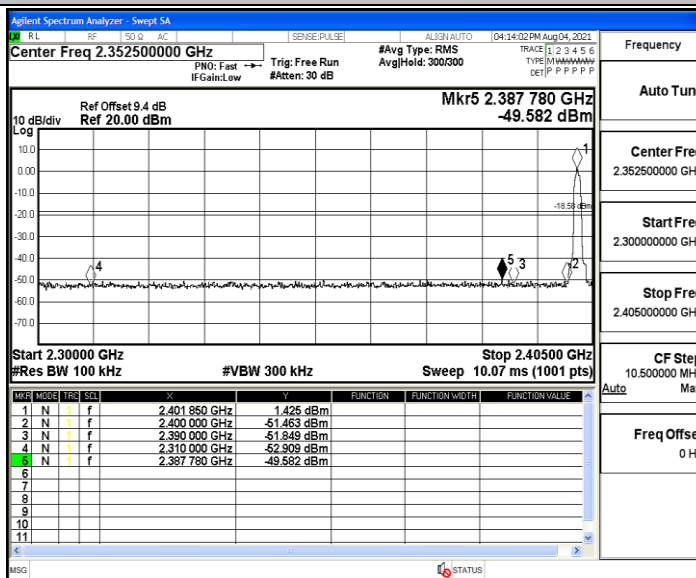
2DH5_Ant1_Low_Hop_2402



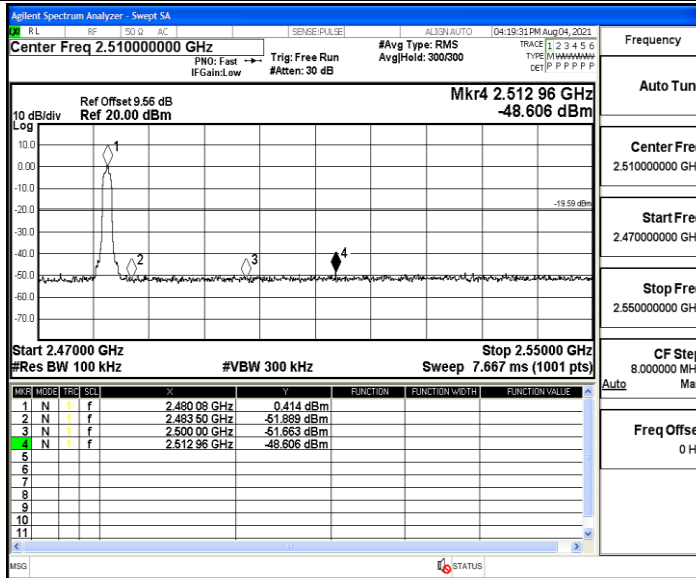
2DH5_Ant1_High_Hop_2480



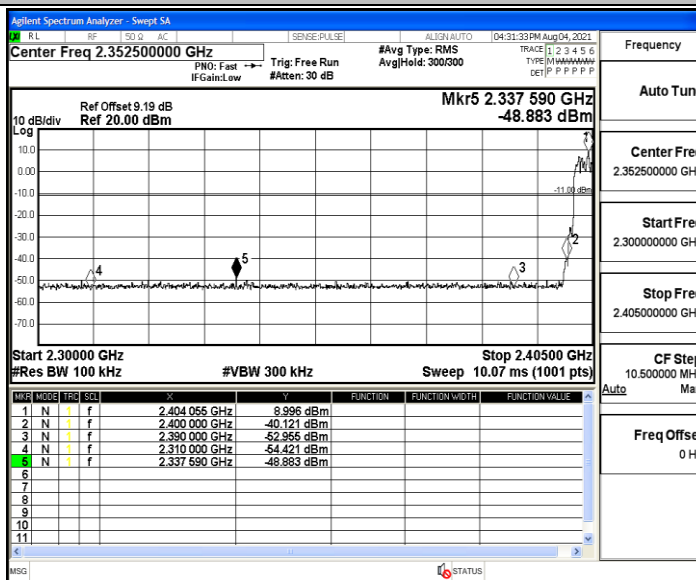
3DH5_Ant1_Low_2402



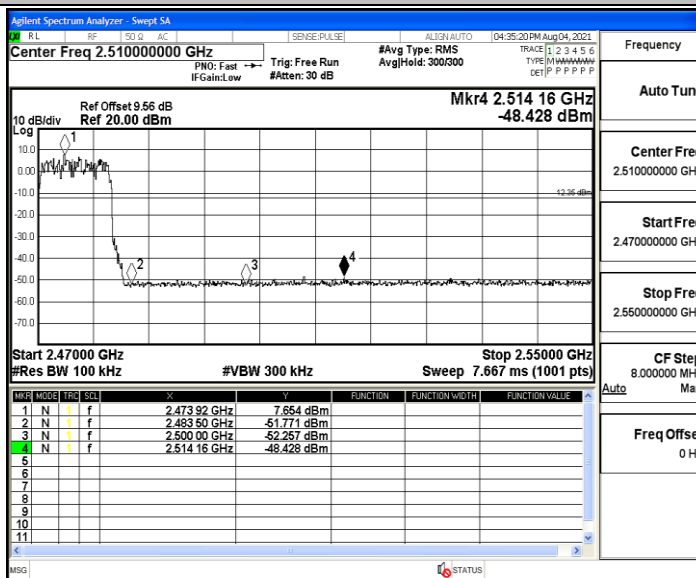
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



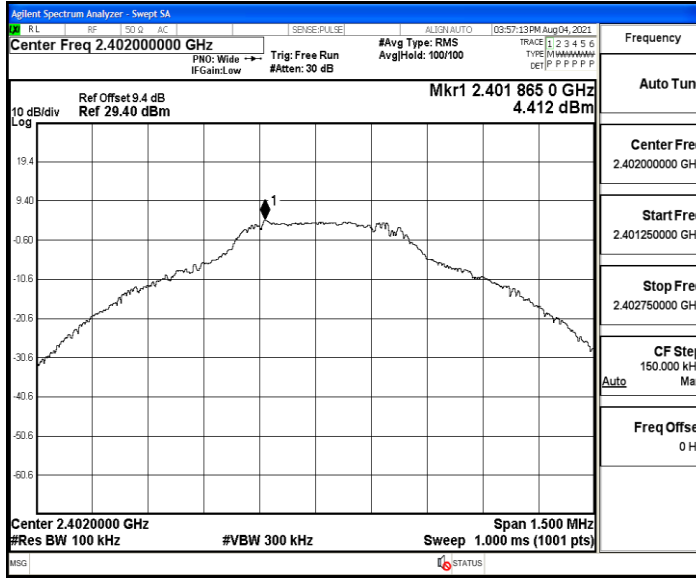
Appendix H: Conducted Spurious Emission

Test Result

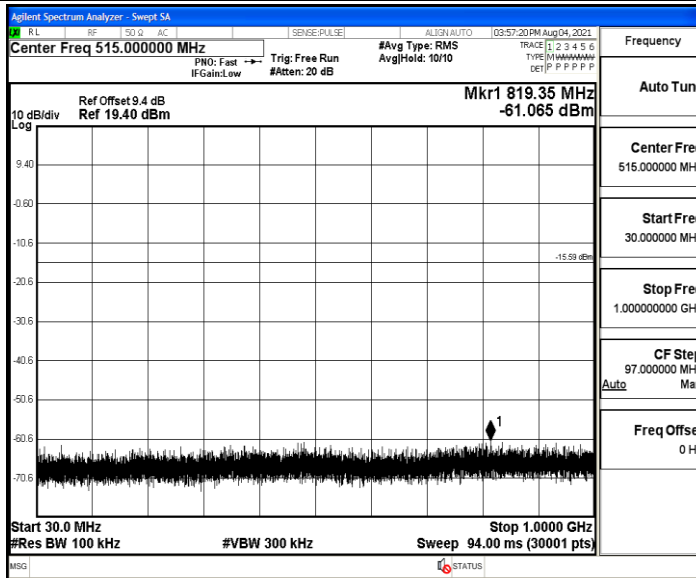
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-61.07	≤-15.59	PASS
			1000~26500	4.41	-45.48	≤-15.59	PASS
		2441	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-60.81	≤-16.18	PASS
			1000~26500	3.82	-48.56	≤-16.18	PASS
		2480	Reference	3.04	3.04	---	PASS
			30~1000	3.04	-61.03	≤-16.96	PASS
			1000~26500	3.04	-45.48	≤-16.96	PASS
2DH5	Ant1	2402	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-60.57	≤-18.24	PASS
			1000~26500	1.77	-39.14	≤-18.24	PASS
		2441	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-61.17	≤-19.3	PASS
			1000~26500	0.70	-45.36	≤-19.3	PASS
		2480	Reference	0.71	0.71	---	PASS
			30~1000	0.71	-60.69	≤-19.29	PASS
			1000~26500	0.71	-47.61	≤-19.29	PASS
3DH5	Ant1	2402	Reference	1.71	1.71	---	PASS
			30~1000	1.71	-61.29	≤-18.29	PASS
			1000~26500	1.71	-44.81	≤-18.29	PASS
		2441	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-61.14	≤-20.56	PASS
			1000~26500	-0.56	-51.84	≤-20.56	PASS
		2480	Reference	0.76	0.76	---	PASS
			30~1000	0.76	-61.01	≤-19.25	PASS
			1000~26500	0.76	-50.8	≤-19.25	PASS

Test Graphs

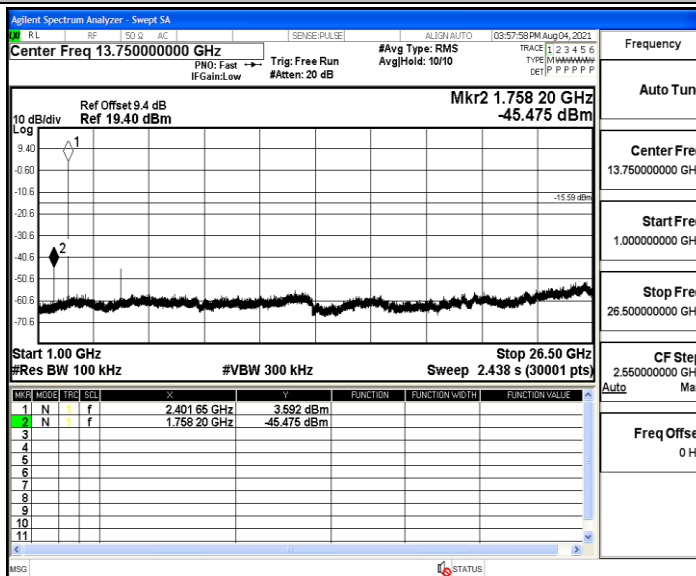
DH5_Ant1_2402_0~Reference



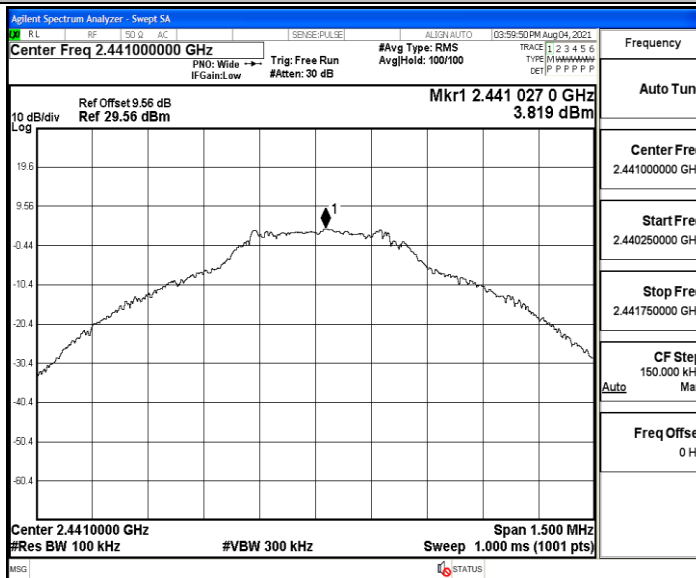
DH5_Ant1_2402_30~1000



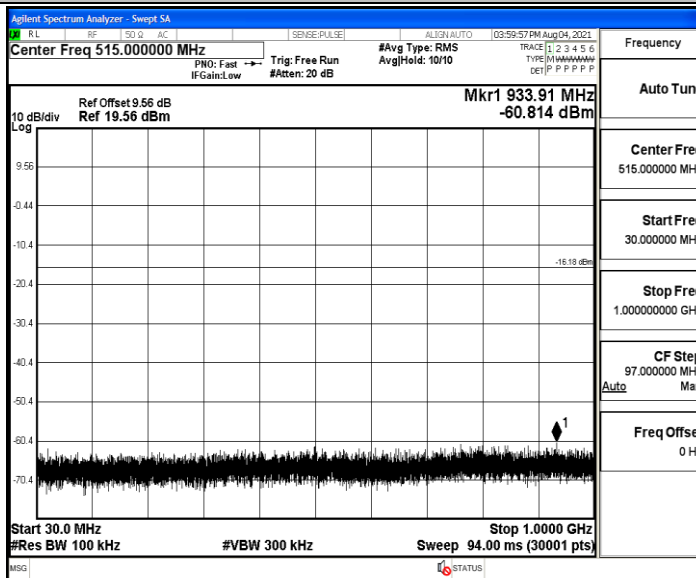
DH5_Ant1_2402_1000~26500



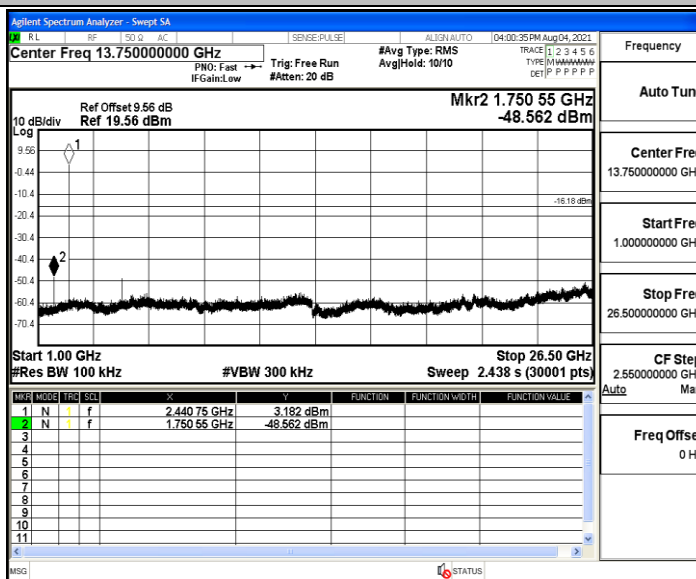
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference