



Appendix A

RF Test Data for 2.4G BT (Conducted Measurement)

Product Name: TWS Bluetooth headset

Trade Mark: AIHOOR

Test Model: AIHOOR A5

Environmental Conditions

Temperature:	21.2 ° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



Appendix A.1: 20dB Emission Bandwidth

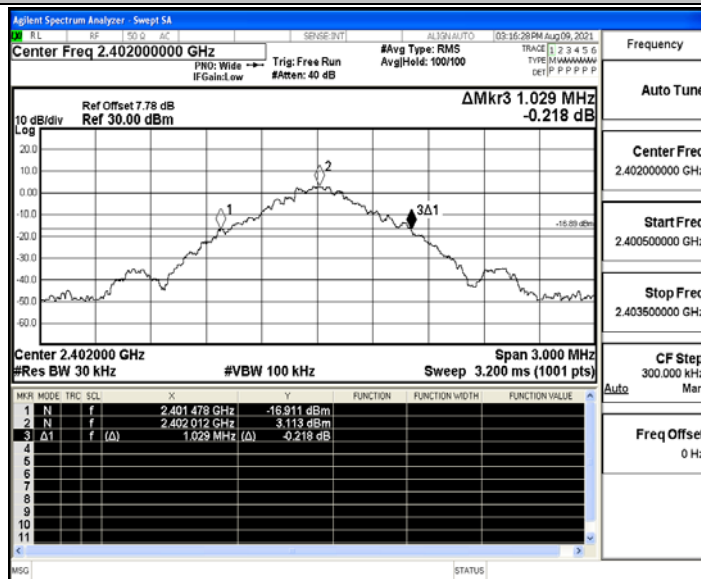
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.478	2402.507	---	PASS
		2441	1.035	2440.472	2441.507	---	PASS
		2480	1.032	2479.460	2480.492	---	PASS
2DH5	Ant1	2402	1.320	2401.337	2402.657	---	PASS
		2441	1.335	2440.331	2441.666	---	PASS
		2480	1.329	2479.334	2480.663	---	PASS
3DH5	Ant1	2402	1.320	2401.343	2402.663	---	PASS
		2441	1.344	2440.325	2441.669	---	PASS
		2480	1.299	2479.349	2480.648	---	PASS

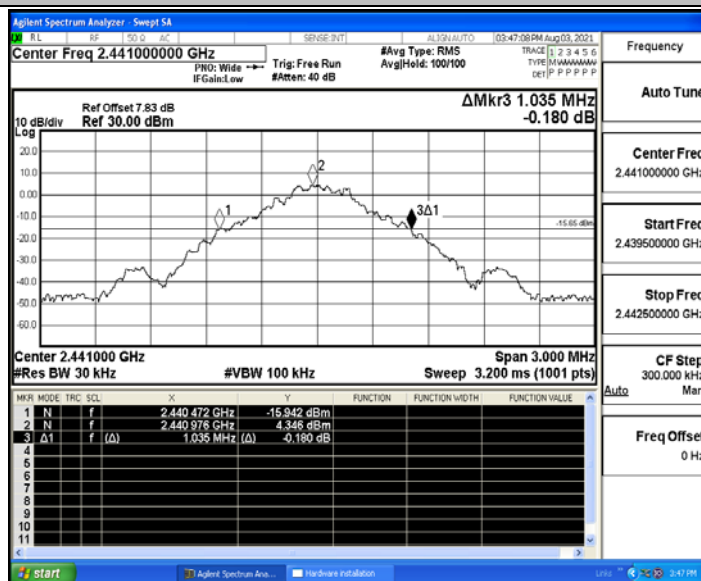


Test Graphs

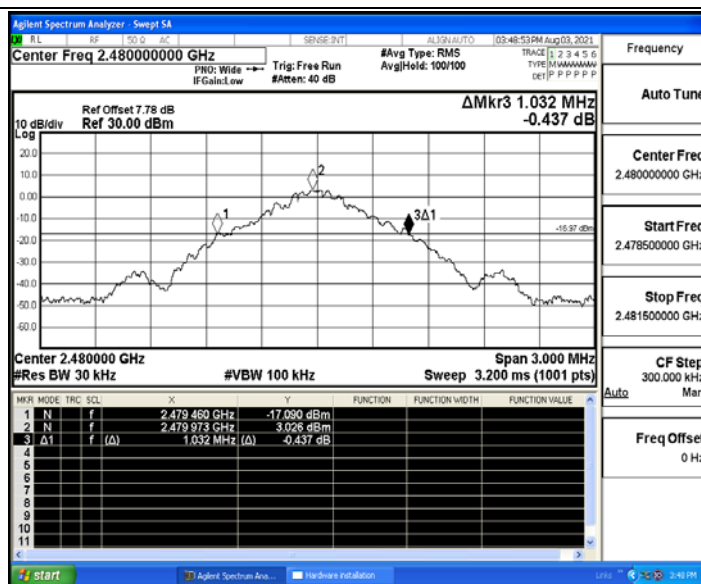
DH5_Ant1_2402



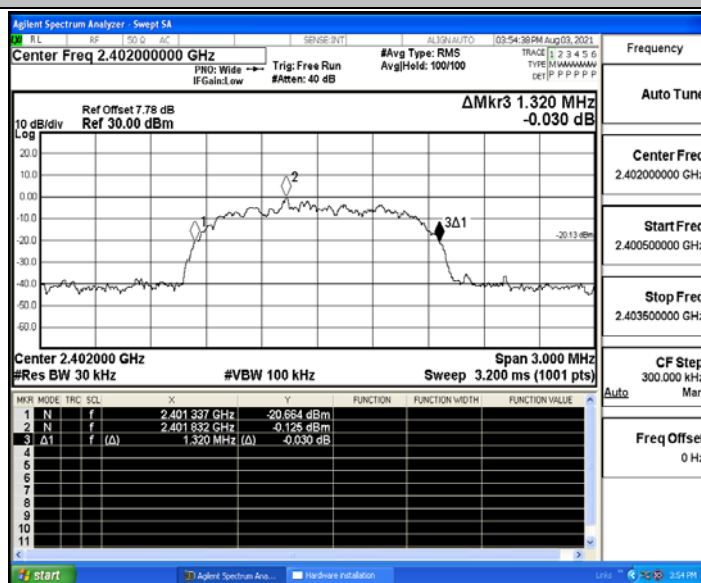
DH5_Ant1_2441



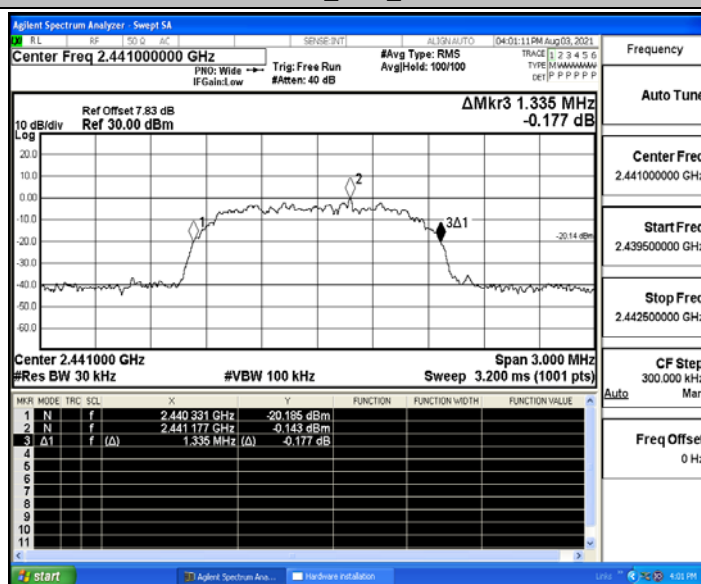
DH5_Ant1_2480



2DH5_Ant1_2402

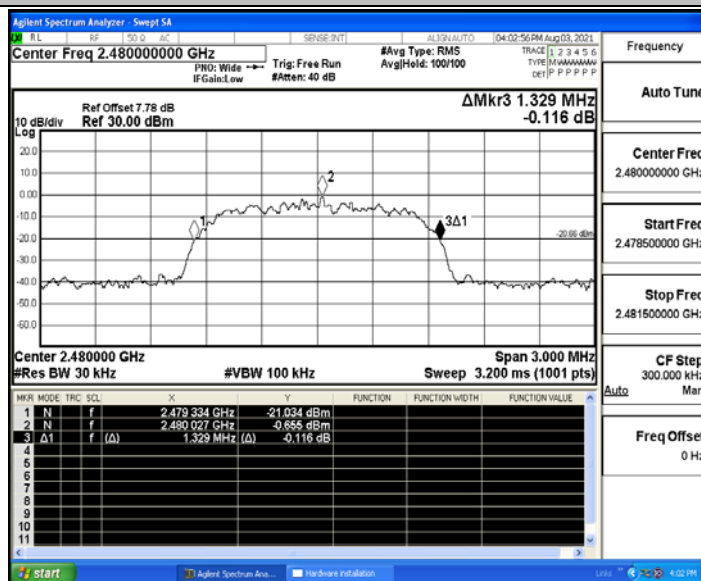


2DH5_Ant1_2441

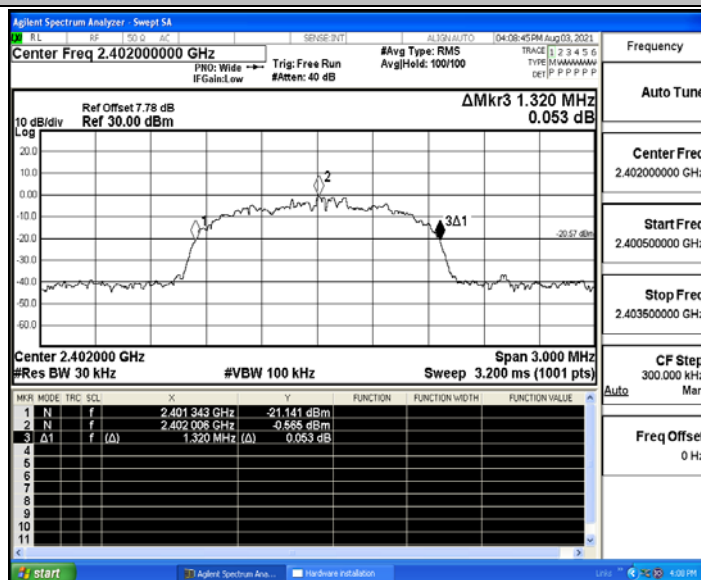




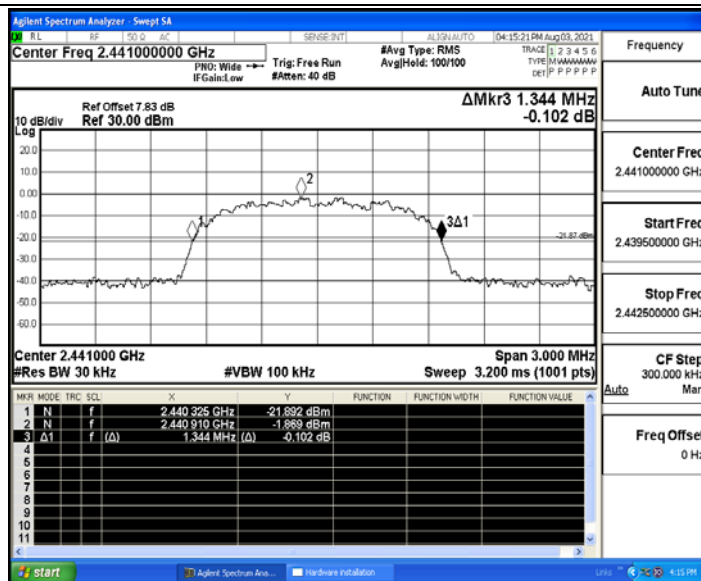
2DH5_Ant1_2480



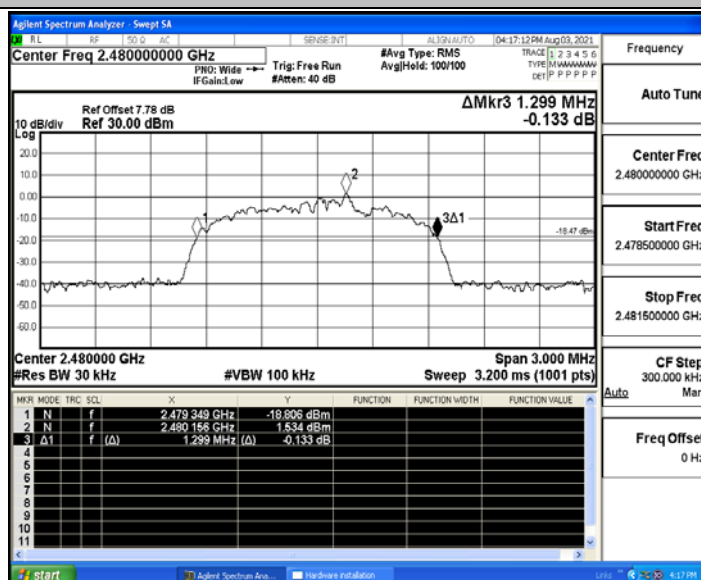
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

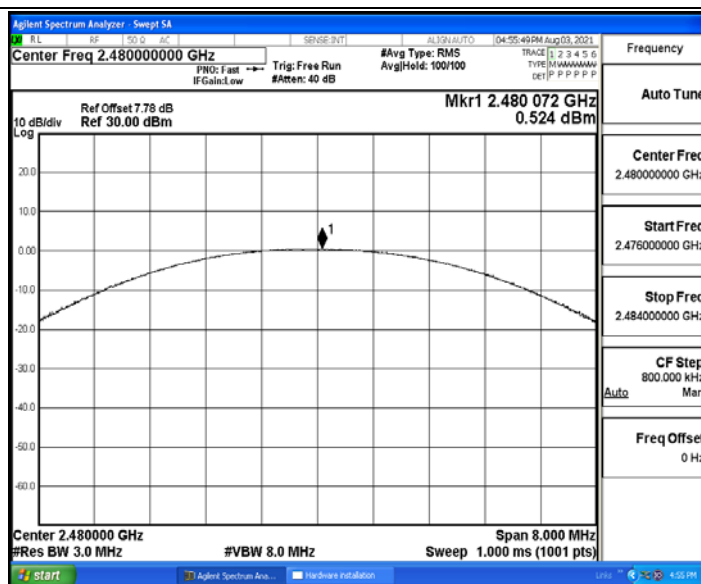




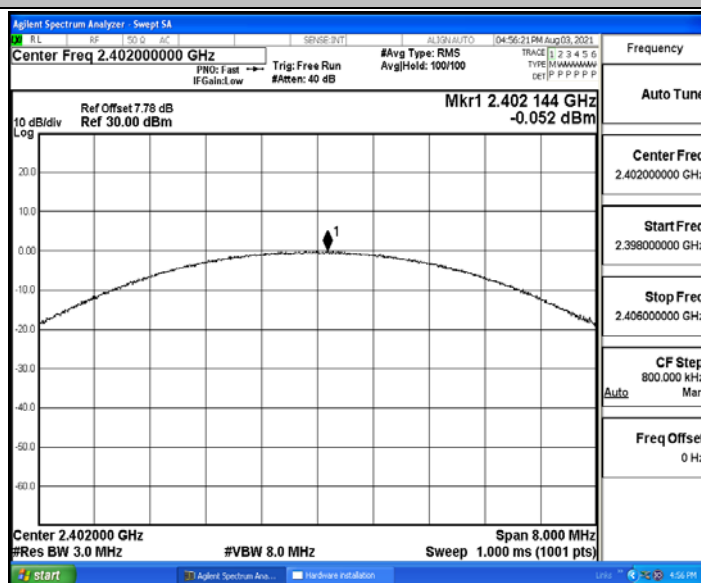
Appendix A.2: Maximum peak conducted output power

Test Result

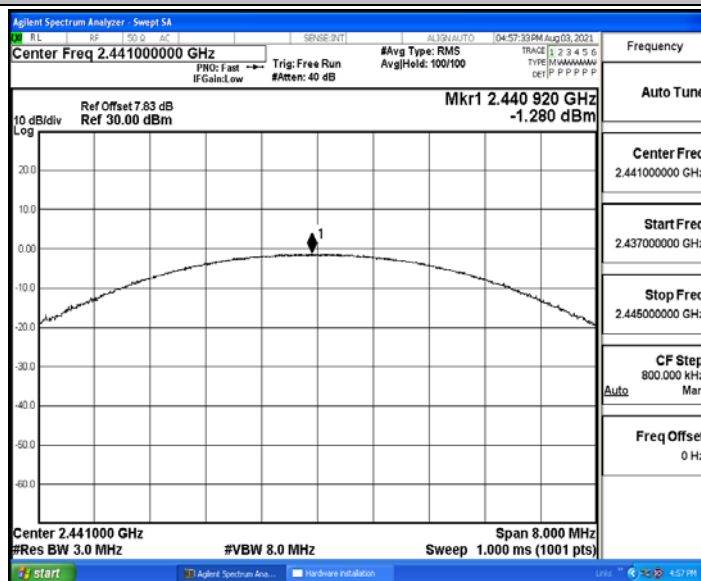
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.81	≤20.97	PASS
		2441	-0.55	≤20.97	PASS
		2480	0.52	≤20.97	PASS
2DH5	Ant1	2402	-0.05	≤20.97	PASS
		2441	-1.28	≤20.97	PASS
		2480	-0.41	≤20.97	PASS
3DH5	Ant1	2402	-0.02	≤20.97	PASS
		2441	-1.08	≤20.97	PASS
		2480	-0.29	≤20.97	PASS



2DH5_Ant1_2402

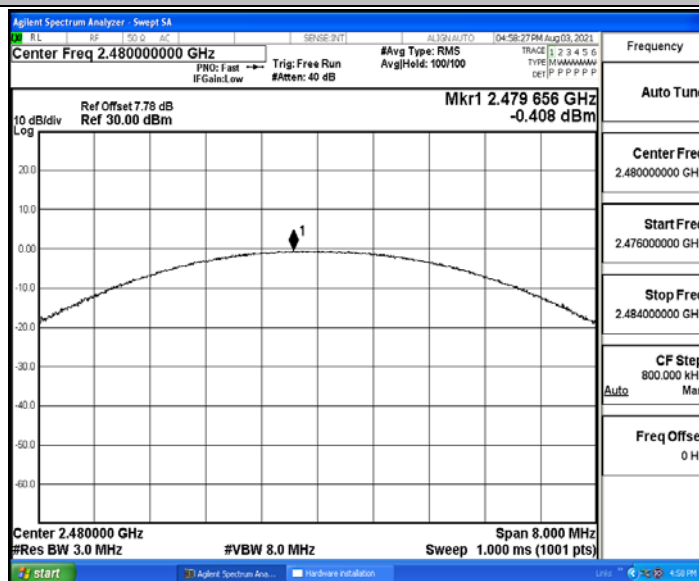


2DH5_Ant1_2441

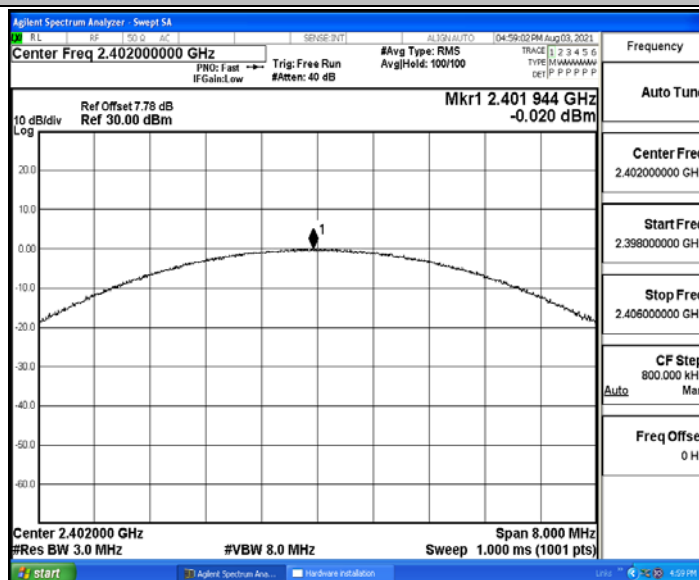




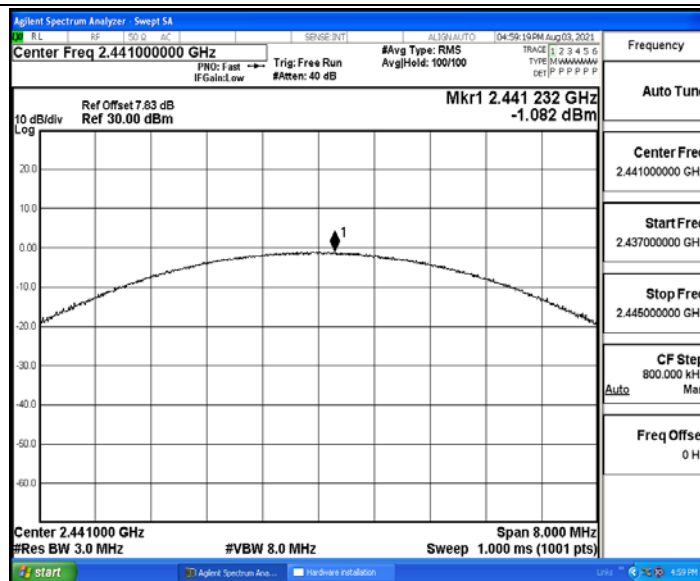
2DH5_Ant1_2480



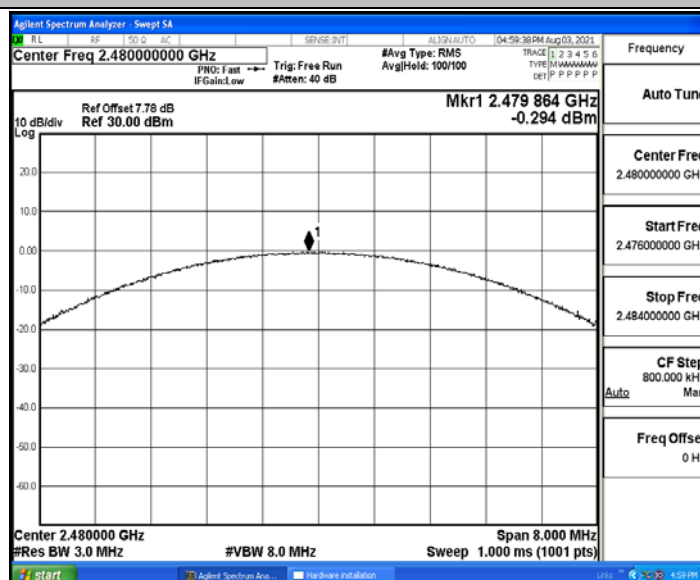
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





Appendix A.3: Carrier frequency separation

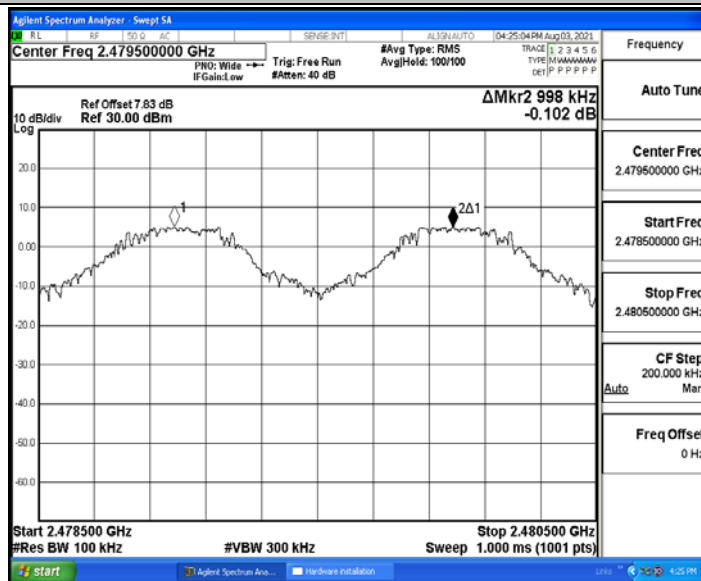
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.690	PASS
2DH5	Ant1	Hop	1.146	≥ 0.890	PASS
3DH5	Ant1	Hop	1.014	≥ 0.896	PASS

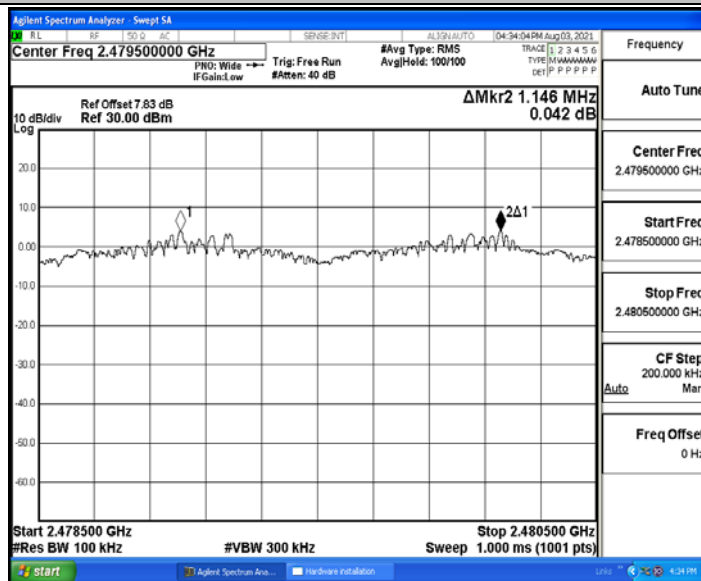


Test Graphs

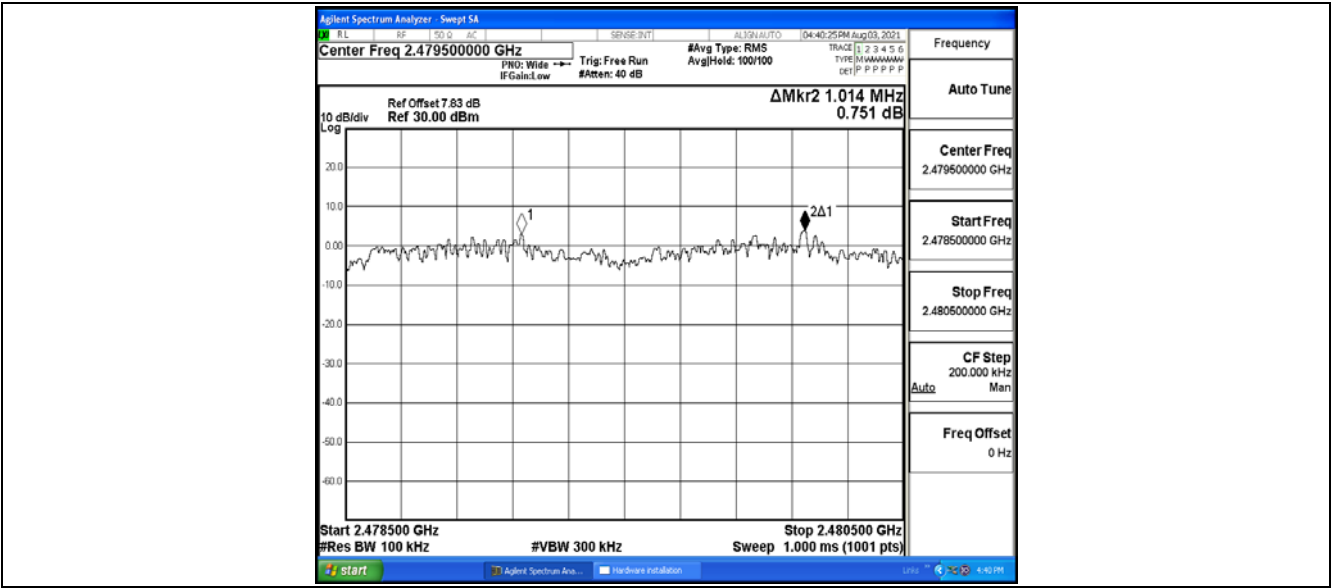
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix A.4: Time of occupancy

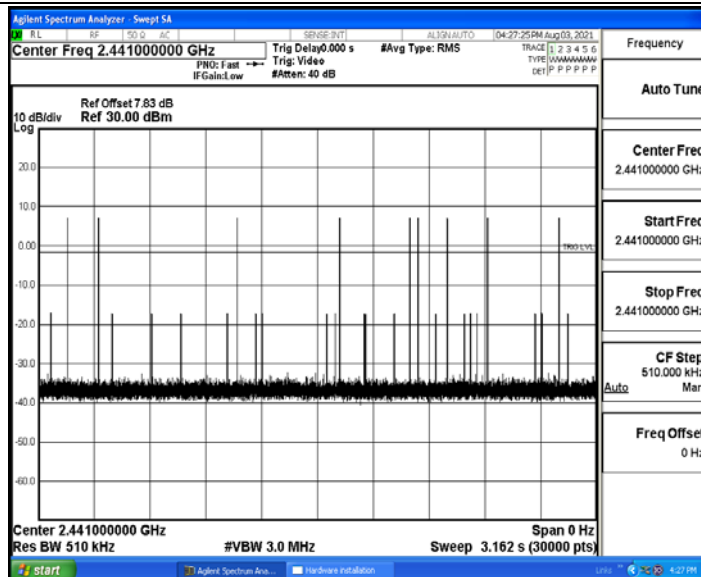
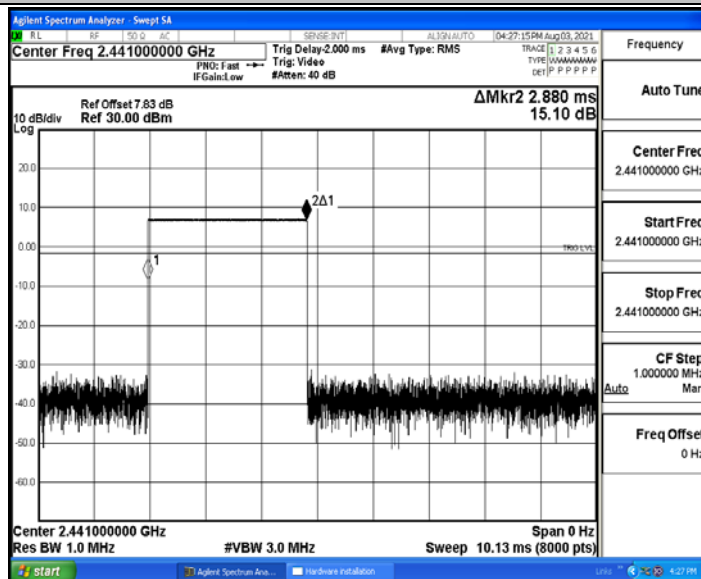
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS

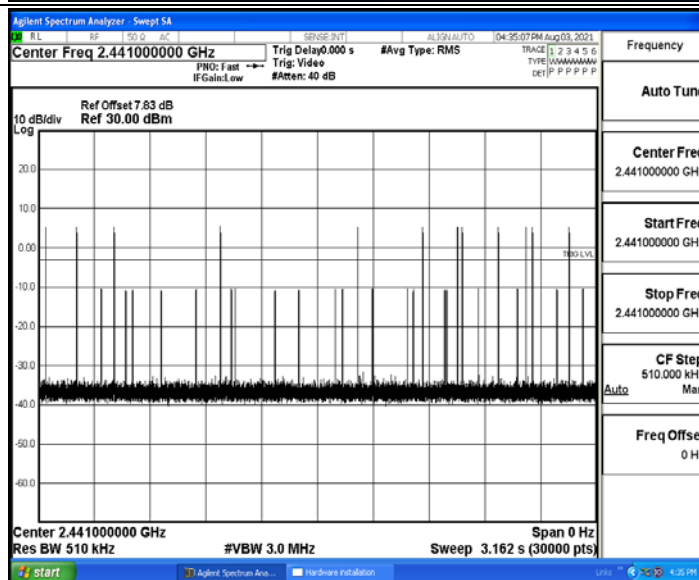
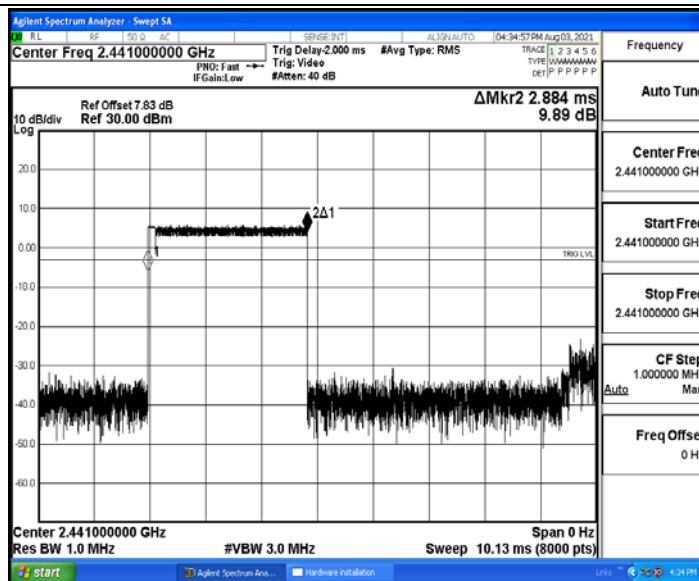


Test Graphs

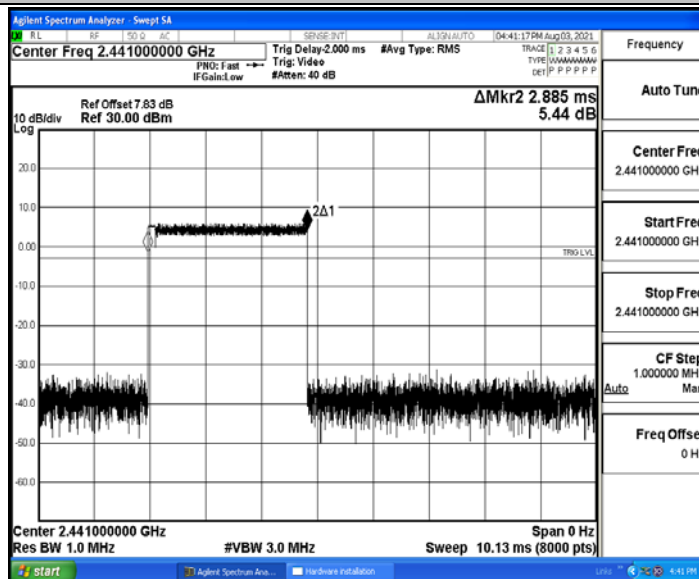
DH5_Ant1_Hop

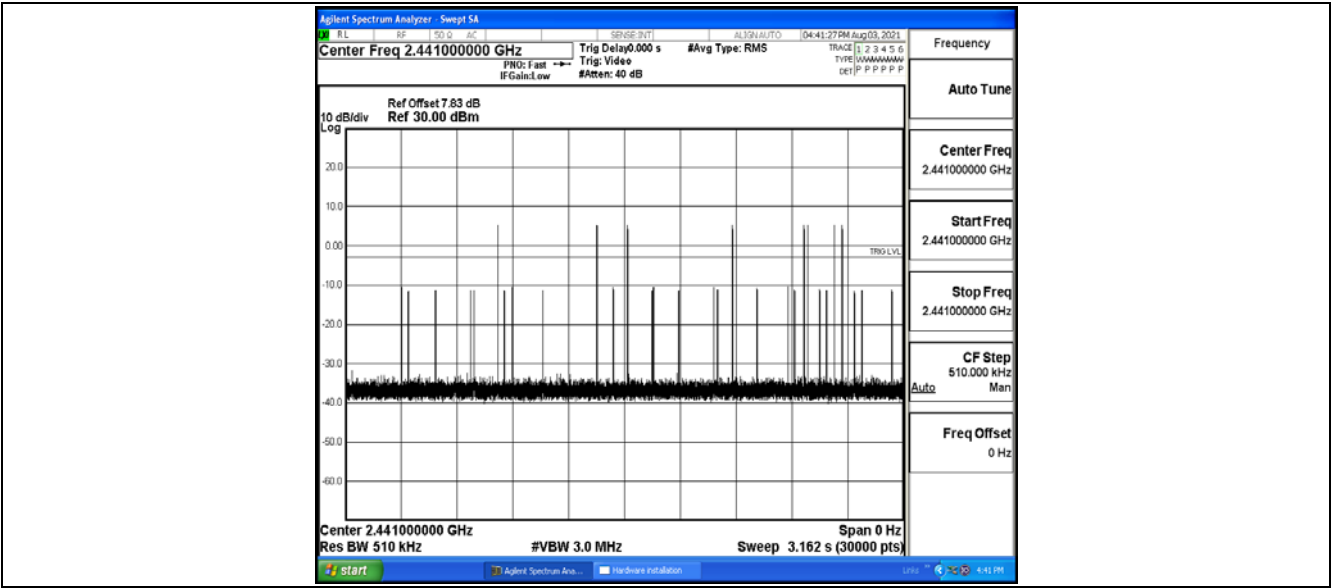


2DH5_Ant1_Hop



3DH5_Ant1_Hop







Appendix A.5: Number of hopping channels

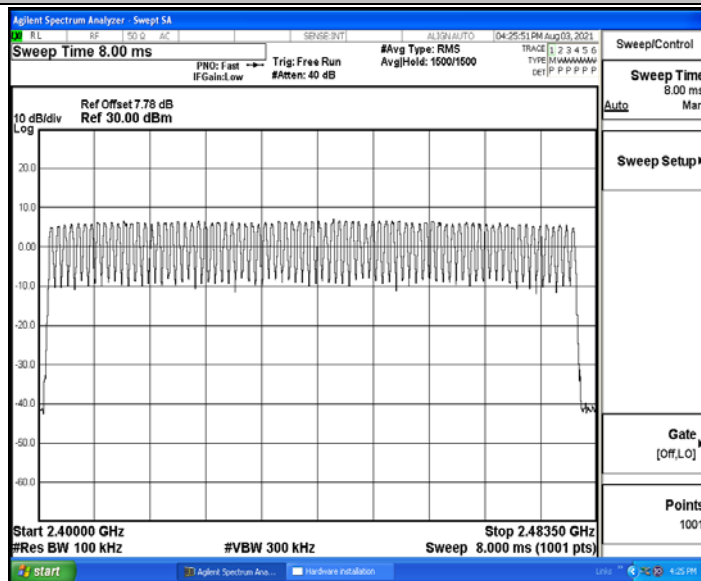
Test Result

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

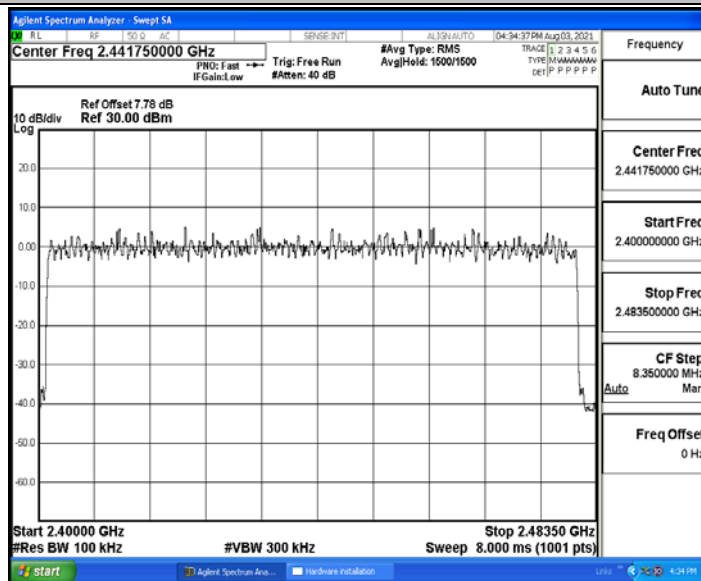


Test Graphs

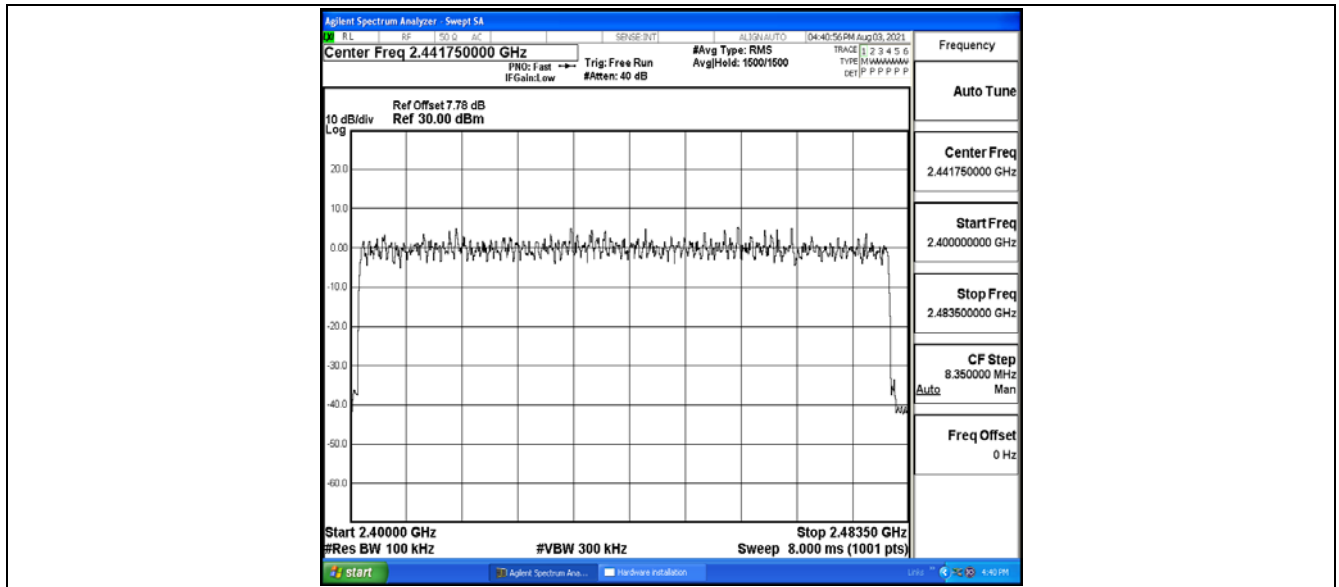
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix A.6: Band edge measurements

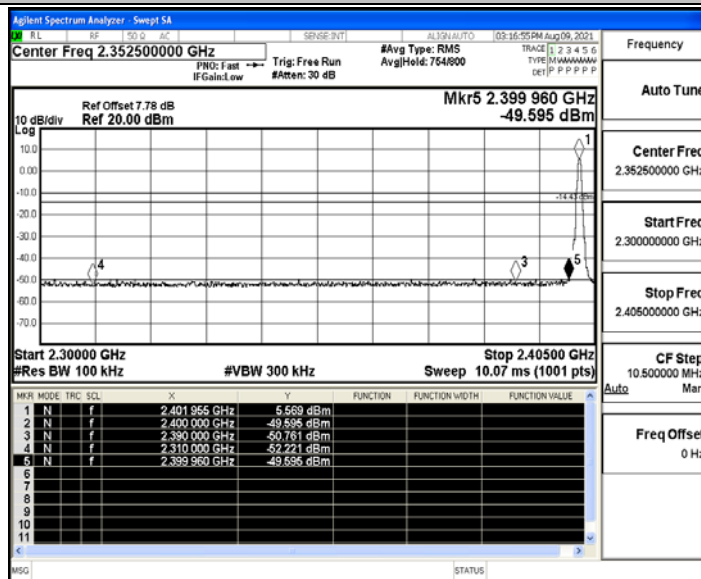
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.57	-49.6	≤ -14.43	PASS
		High	2480	5.71	-48.87	≤ -14.29	PASS
		Low	Hop_2402	5.61	-49.95	≤ -14.39	PASS
		High	Hop_2480	5.87	-48.6	≤ -14.13	PASS
2DH5	Ant1	Low	2402	4.25	-48.55	≤ -15.75	PASS
		High	2480	4.27	-48.82	≤ -15.73	PASS
		Low	Hop_2402	1.73	-50.03	≤ -18.28	PASS
		High	Hop_2480	4.79	-48.42	≤ -15.22	PASS
3DH5	Ant1	Low	2402	4.25	-48.76	≤ -15.76	PASS
		High	2480	4.31	-48.49	≤ -15.69	PASS
		Low	Hop_2402	0.26	-50.12	≤ -19.74	PASS
		High	Hop_2480	3.98	-48.62	≤ -16.02	PASS

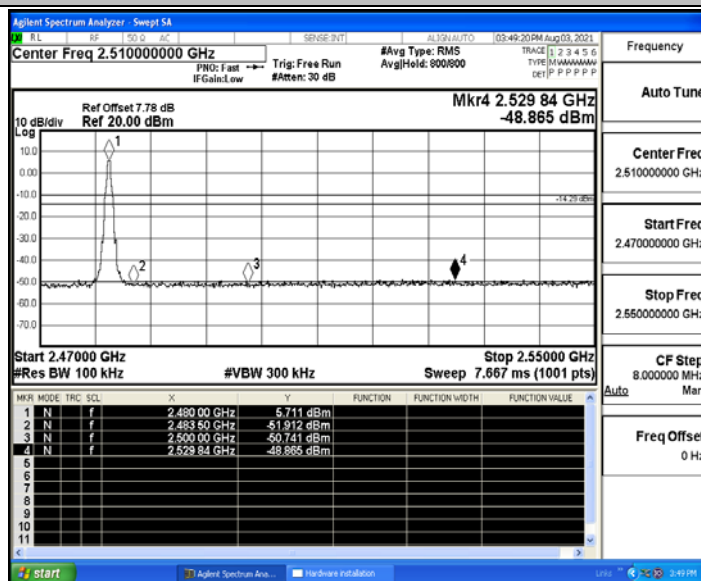


Test Graphs

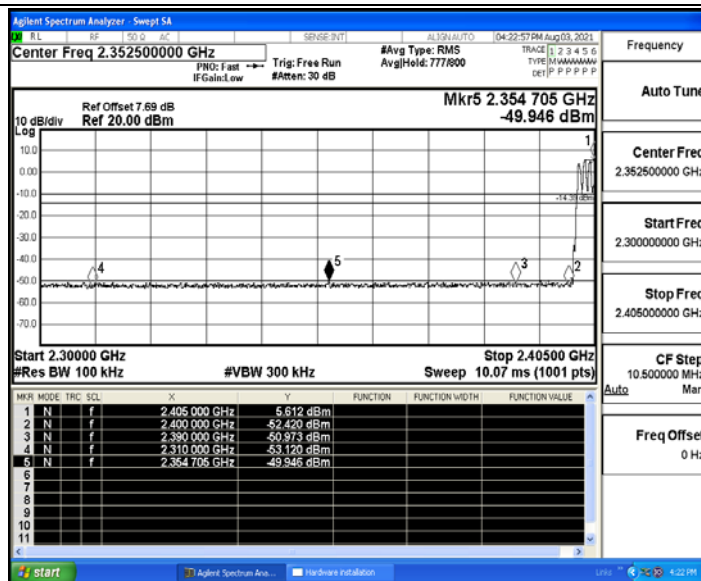
DH5_Ant1_Low_2402



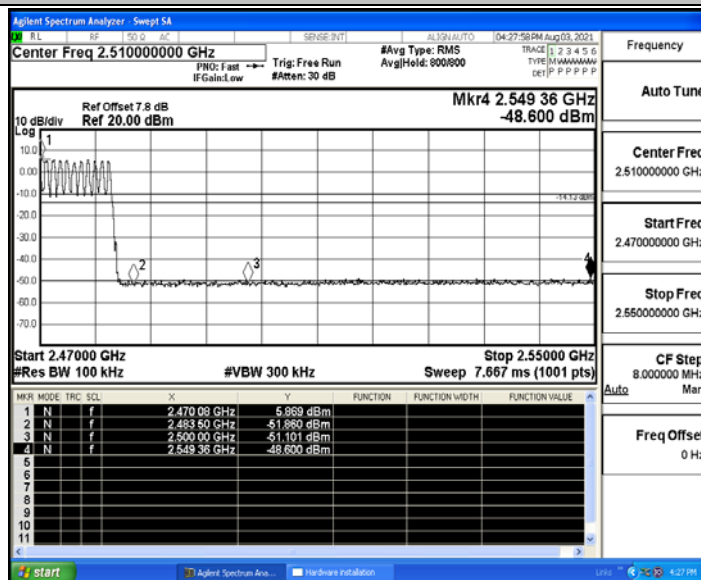
DH5_Ant1_High_2480



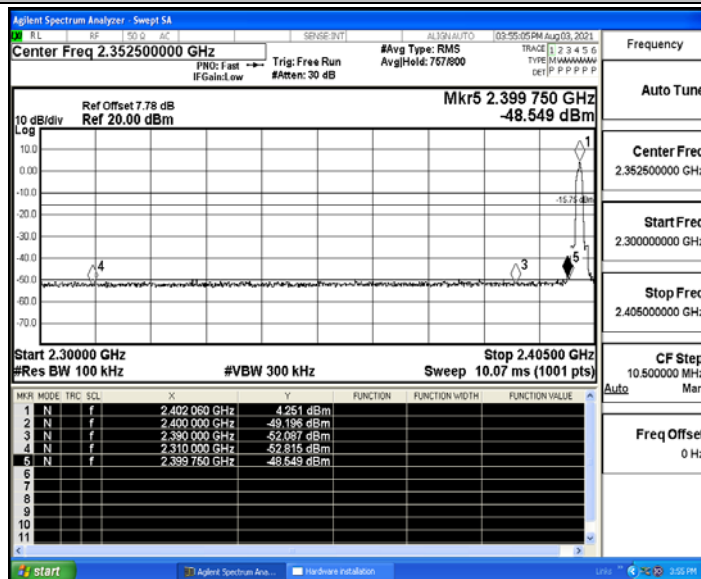
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

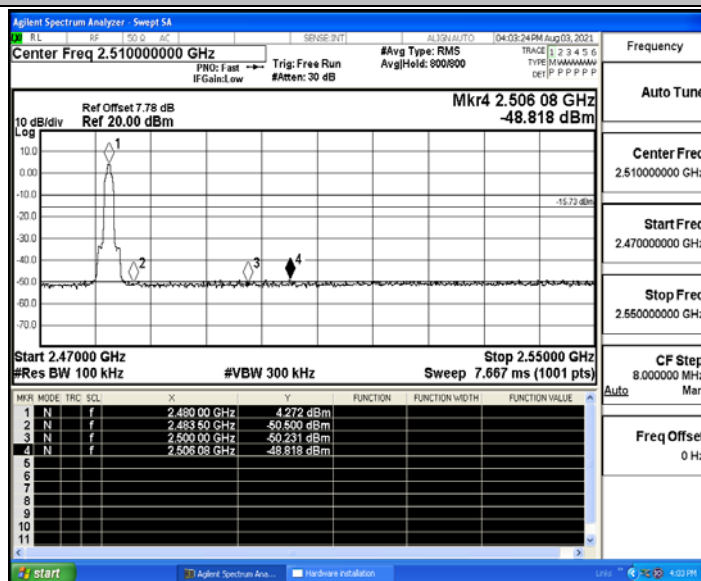


2DH5_Ant1_Low_2402

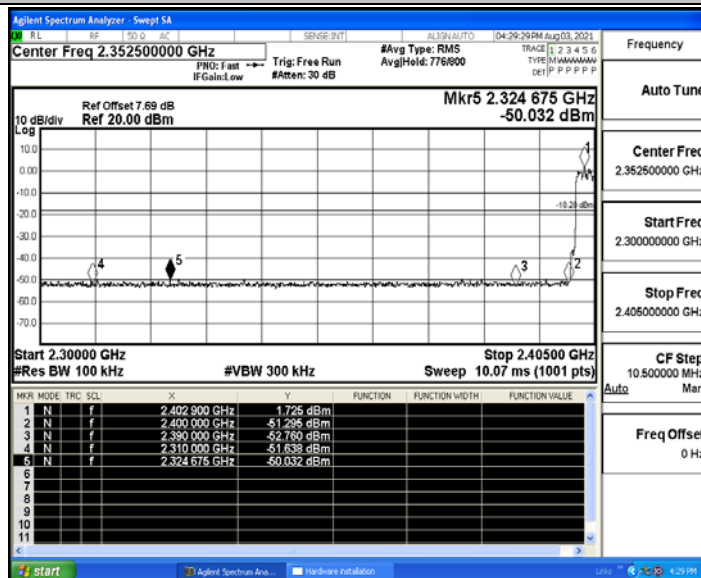




2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480