



Appendix A

RF Test Data for BT V5.1(DSS) (Conducted Measurement)

Product Name: ENC Gaming Neckband Wireless Headphones

Trade Mark: Monster

Test Model: SG01

Environmental Conditions

Temperature:	21.1°C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

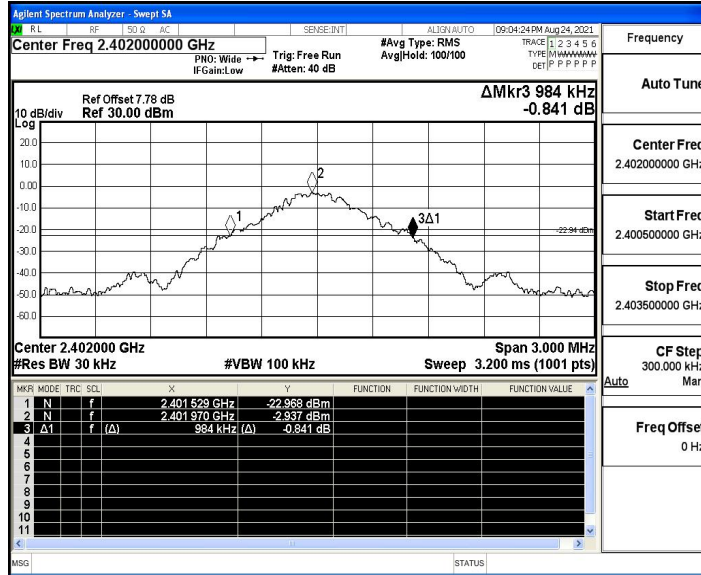
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.984	2401.529	2402.513	---	PASS
		2441	0.966	2440.529	2441.495	---	PASS
		2480	0.966	2479.529	2480.495	---	PASS
2DH5	Ant1	2402	1.311	2401.352	2402.663	---	PASS
		2441	1.287	2440.364	2441.651	---	PASS
		2480	1.311	2479.343	2480.654	---	PASS
3DH5	Ant1	2402	1.344	2401.331	2402.675	---	PASS
		2441	1.308	2440.352	2441.660	---	PASS
		2480	1.296	2479.358	2480.654	---	PASS

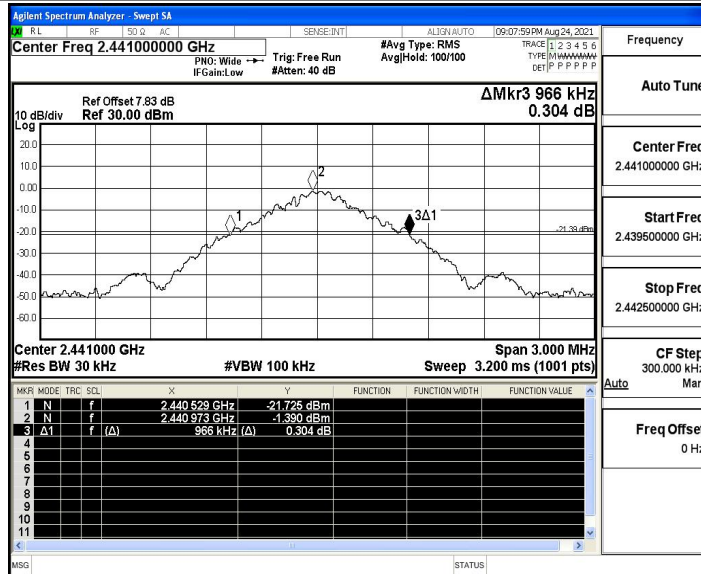


Test Graphs

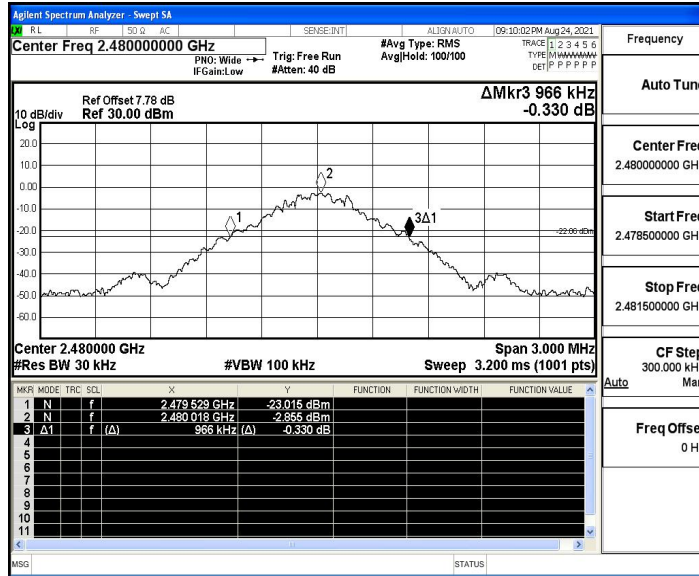
DH5_Ant1_2402



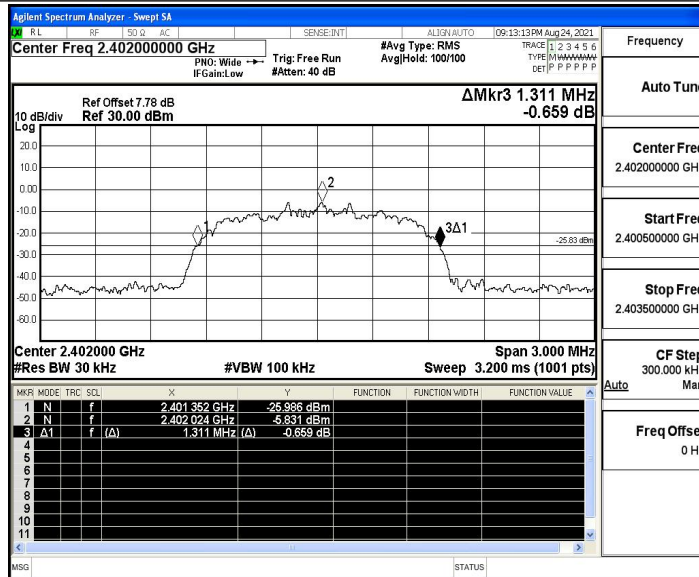
DH5_Ant1_2441



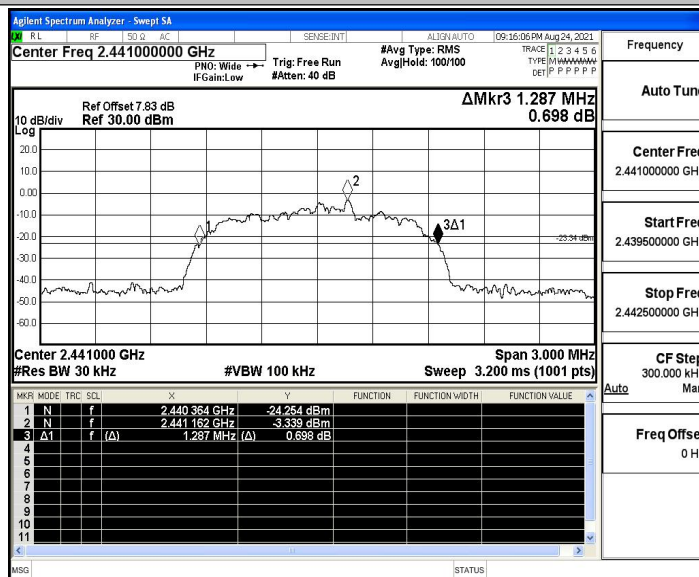
DH5_Ant1_2480



2DH5_Ant1_2402

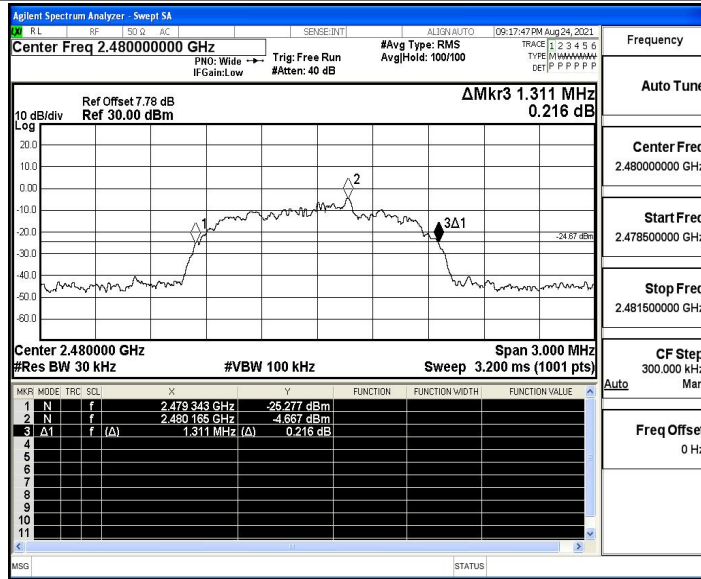


2DH5_Ant1_2441

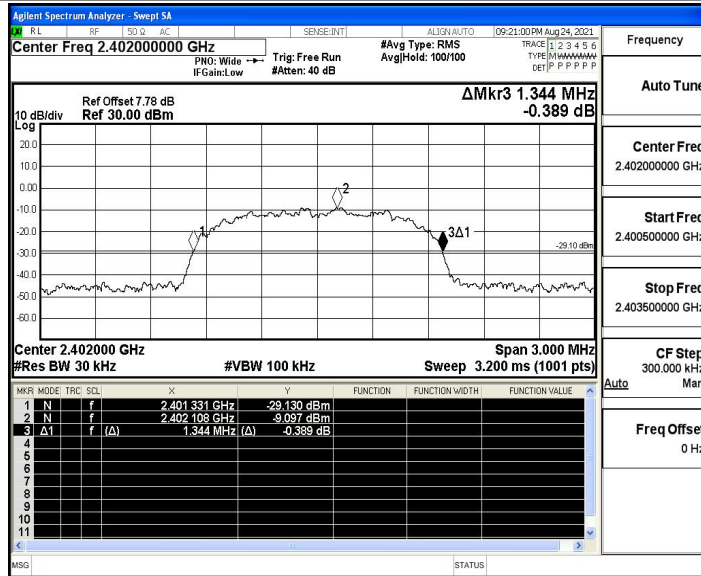




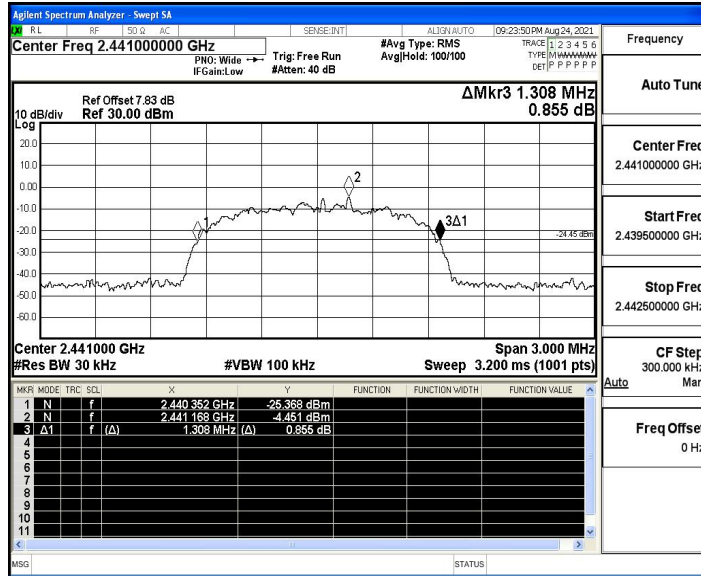
2DH5_Ant1_2480



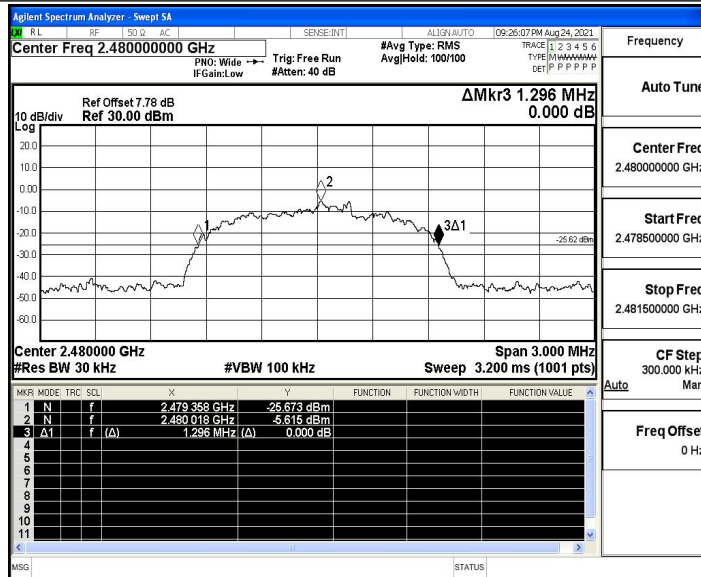
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

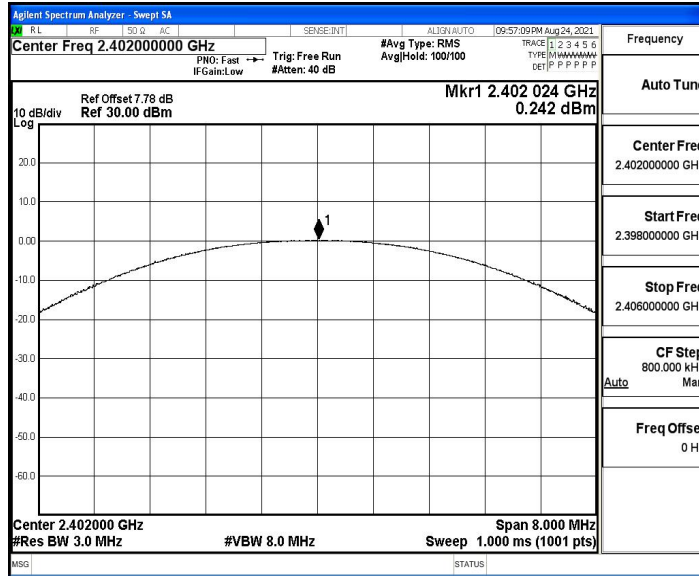
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.24	≤20.97	PASS
		2441	1.48	≤20.97	PASS
		2480	0.14	≤20.97	PASS
2DH5	Ant1	2402	-0.62	≤20.97	PASS
		2441	0.64	≤20.97	PASS
		2480	-0.74	≤20.97	PASS
3DH5	Ant1	2402	-0.6	≤20.97	PASS
		2441	0.78	≤20.97	PASS
		2480	-0.66	≤20.97	PASS

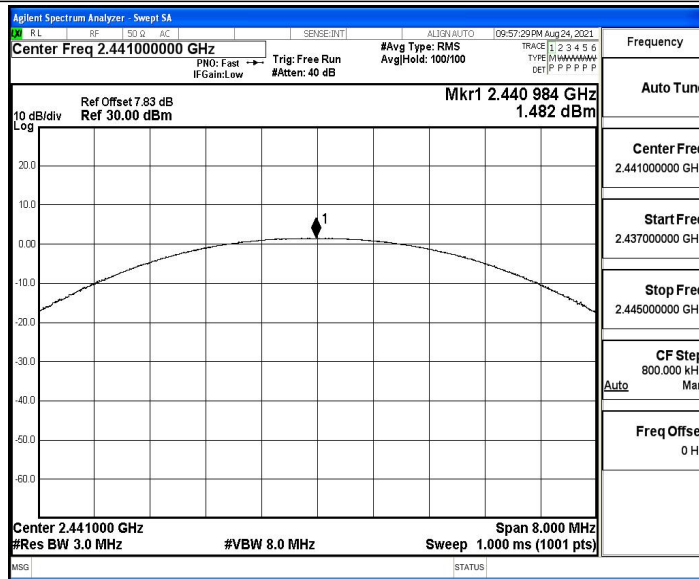


Test Graphs

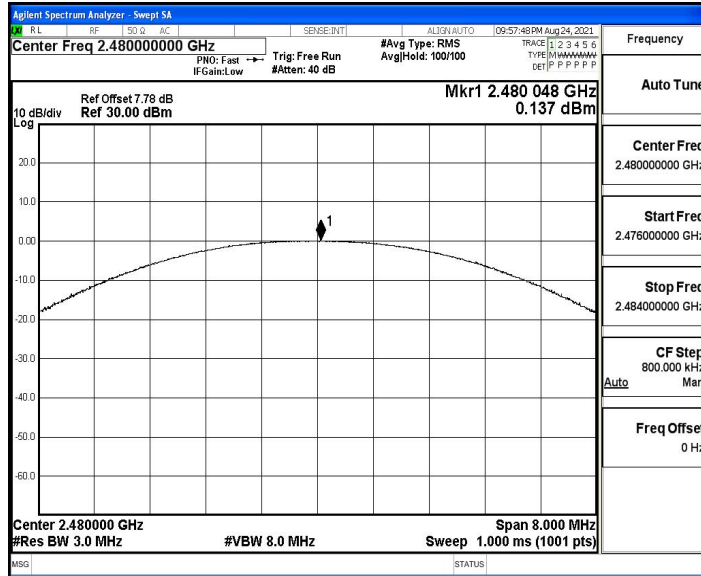
DH5_Ant1_2402



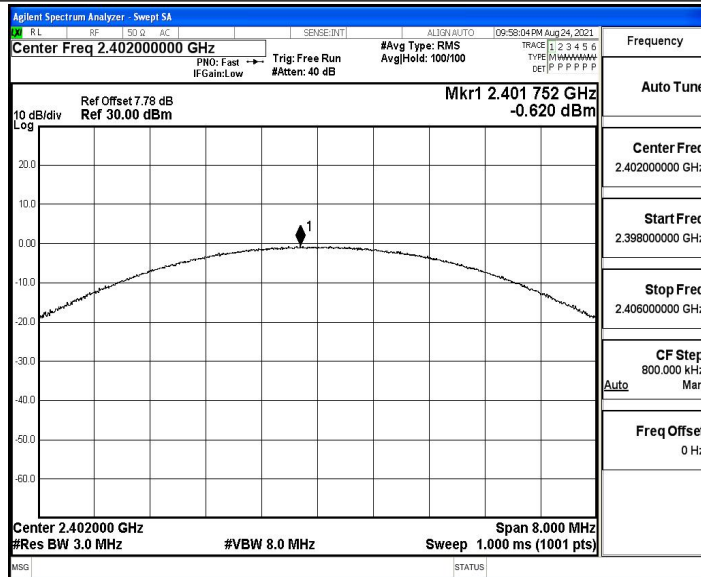
DH5_Ant1_2441



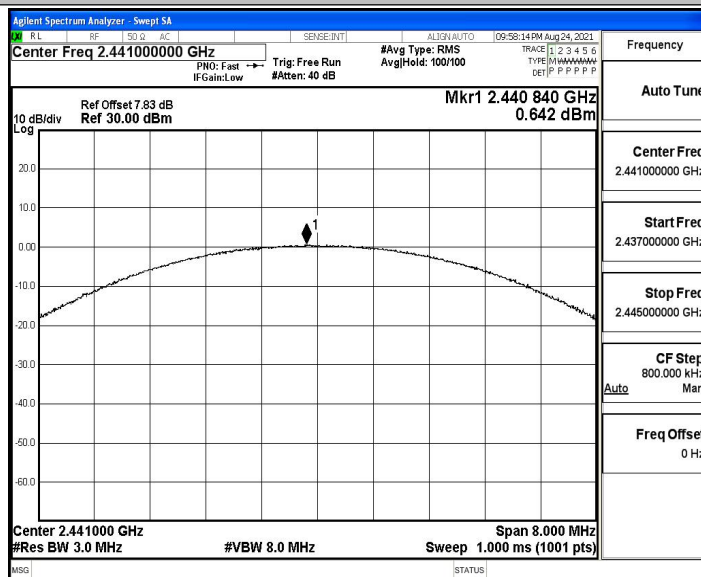
DH5_Ant1_2480



2DH5_Ant1_2402

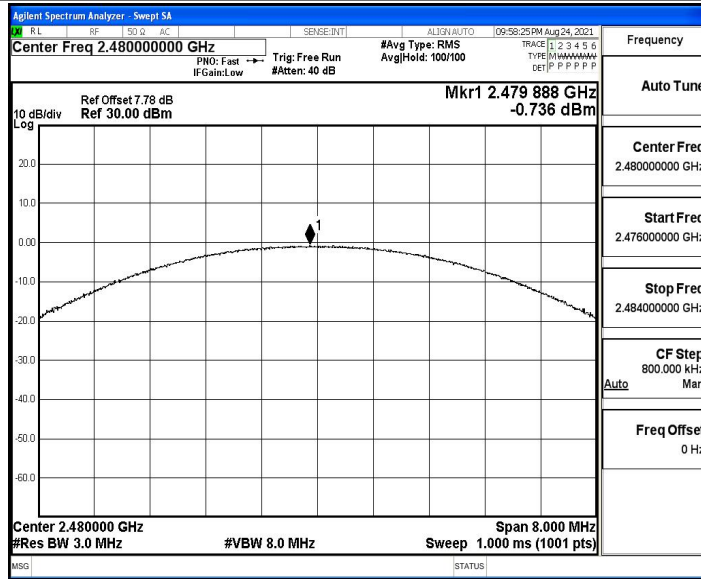


2DH5_Ant1_2441

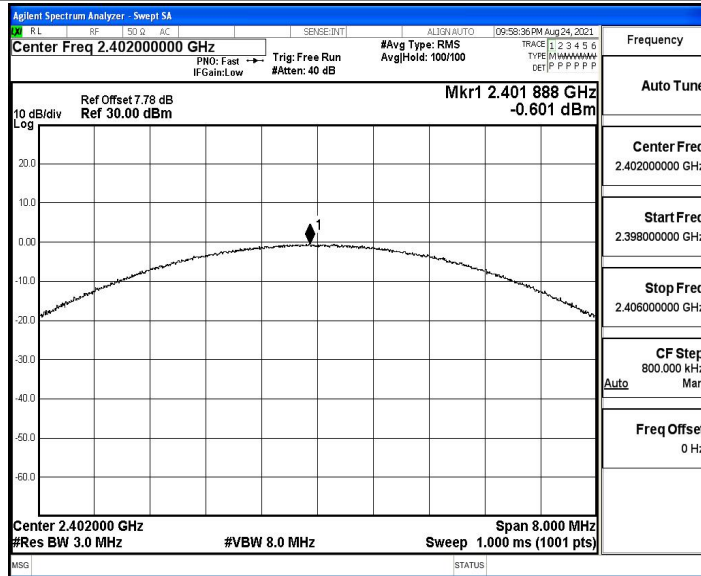




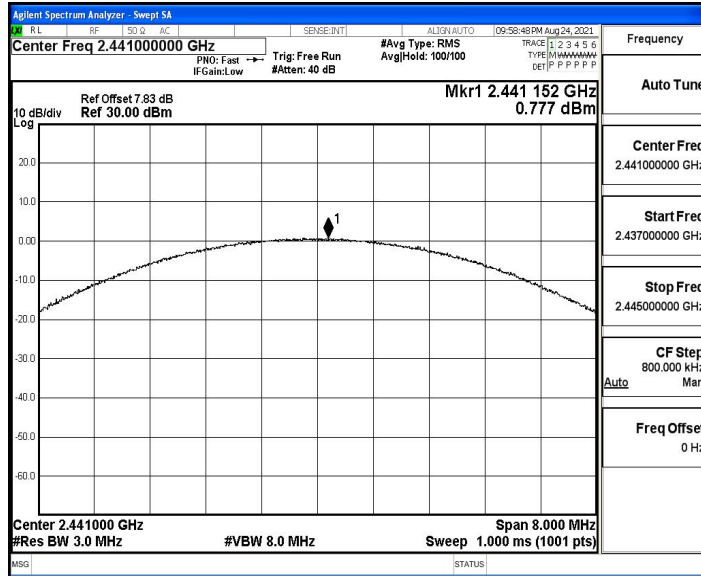
2DH5_Ant1_2480



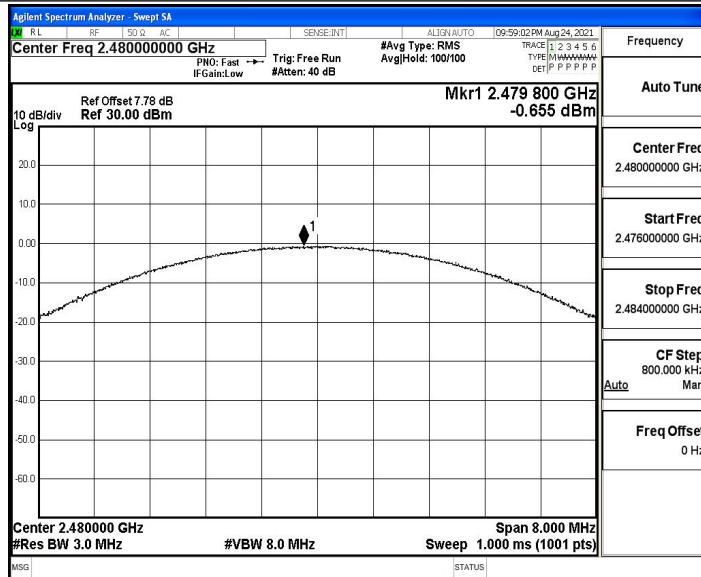
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

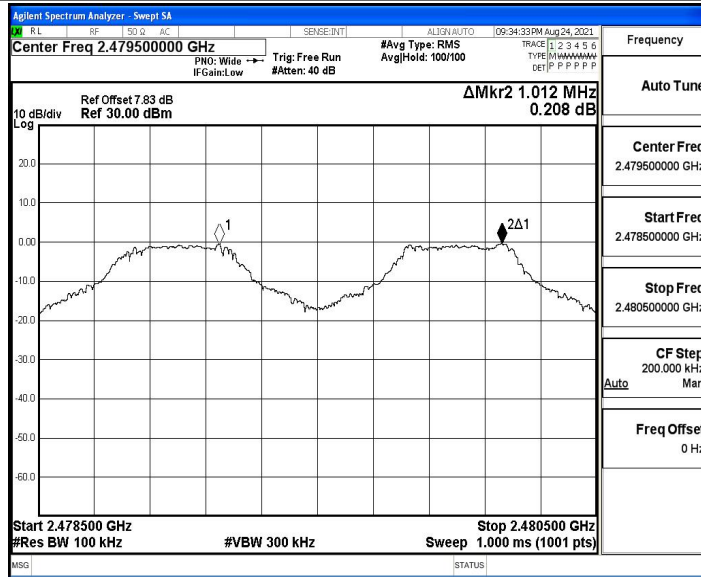
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.984	PASS
2DH5	Ant1	Hop	1.066	≥ 0.874	PASS
3DH5	Ant1	Hop	1.214	≥ 0.896	PASS

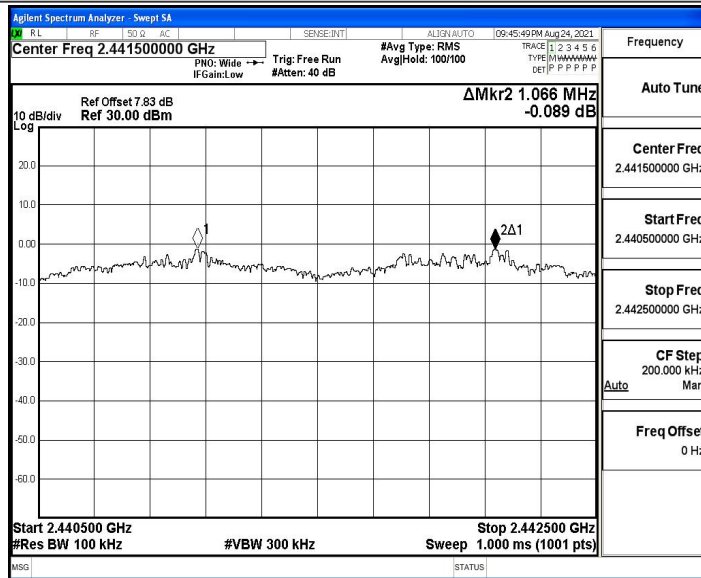


Test Graphs

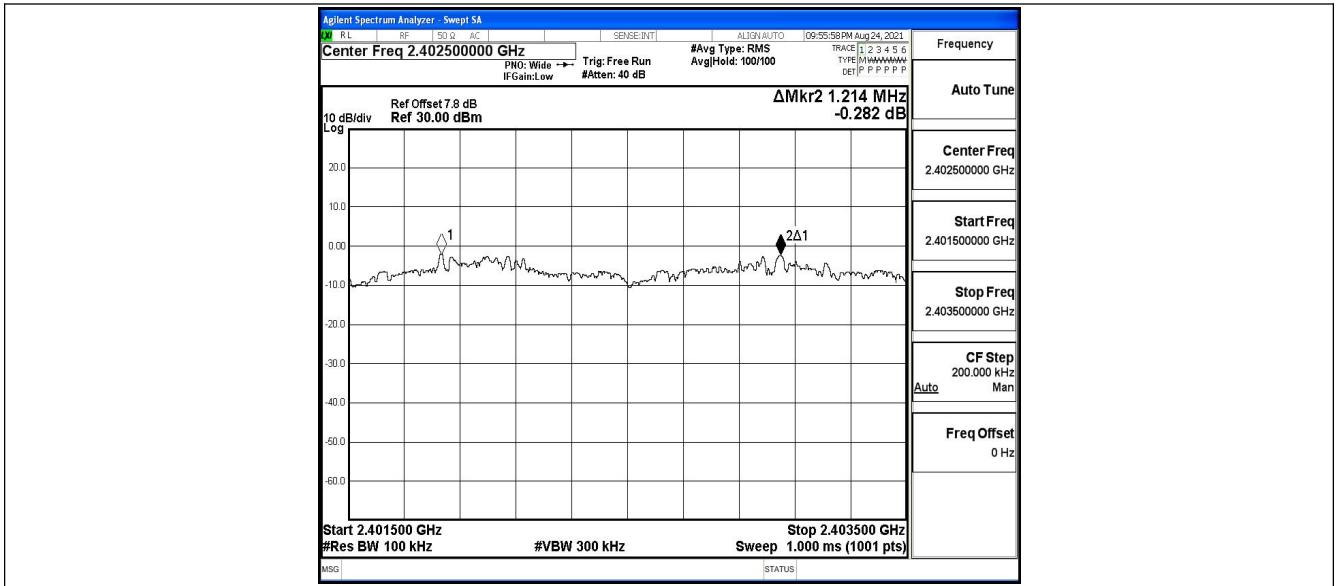
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

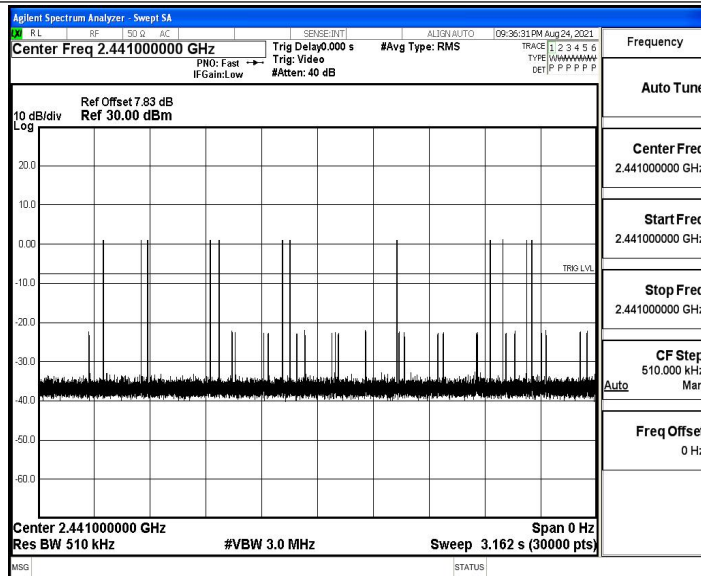
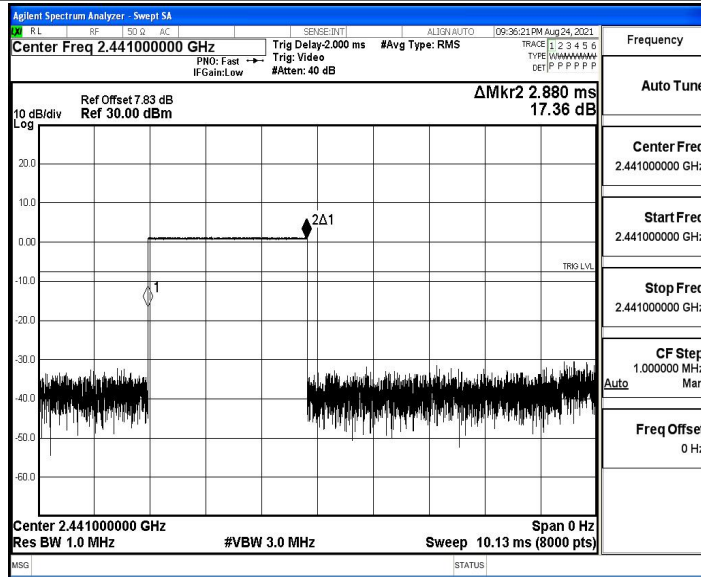
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS

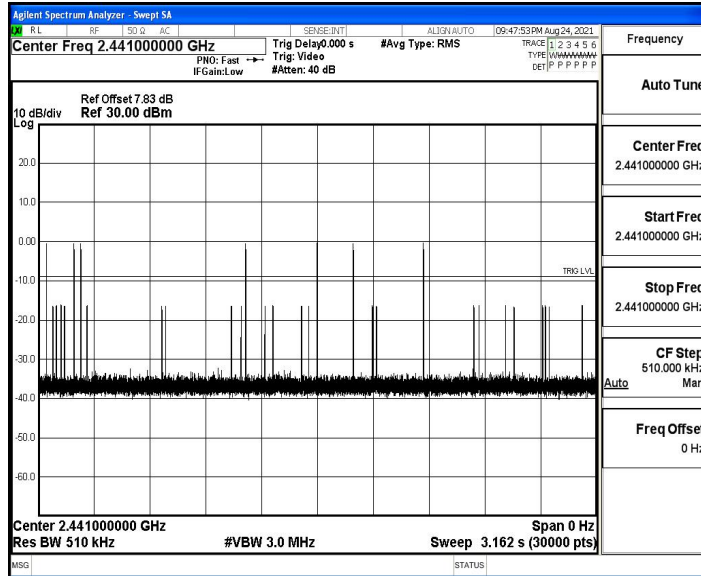
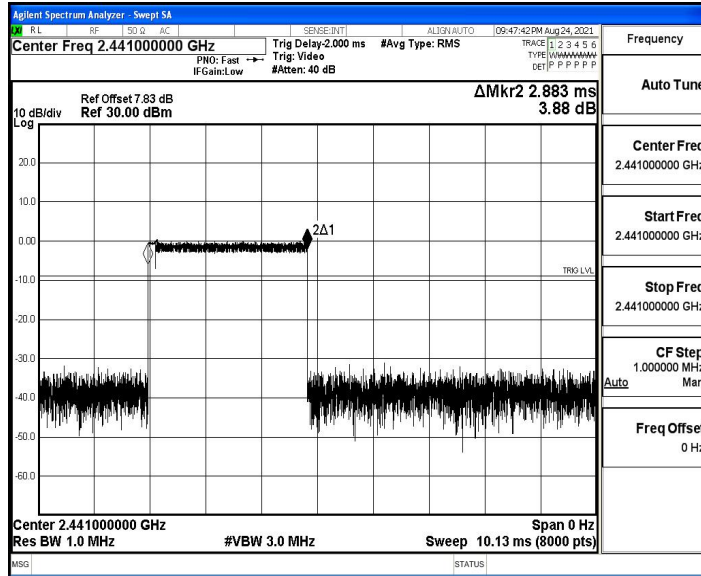


Test Graphs

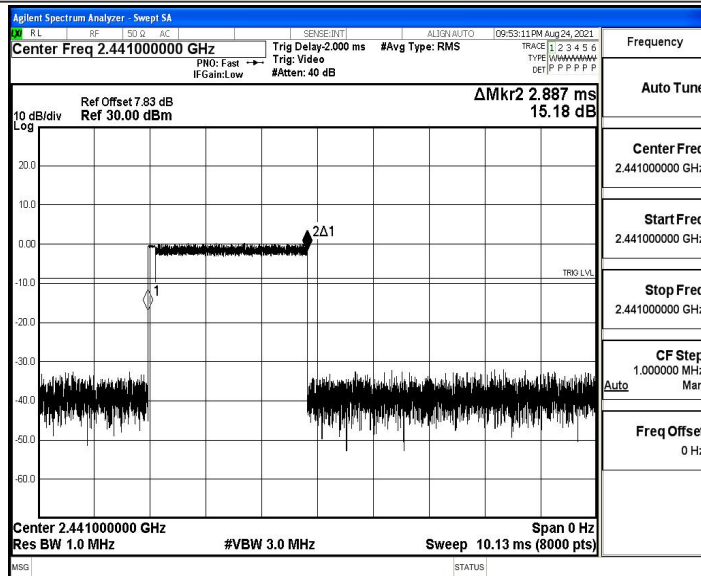
DH5_Ant1_Hop

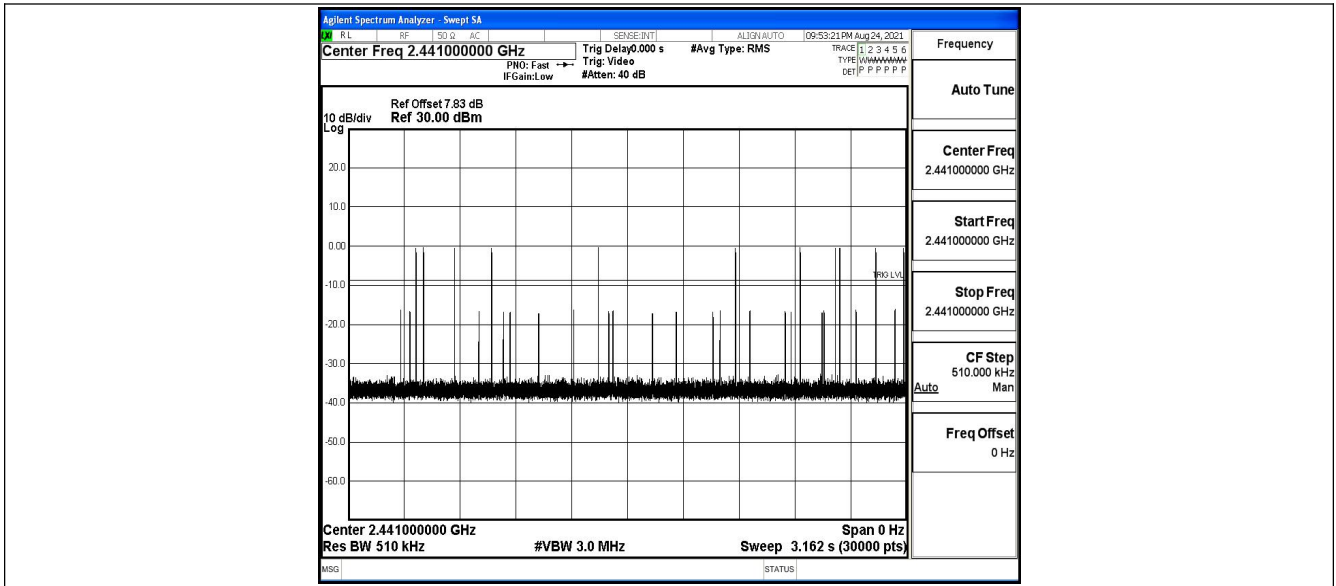


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

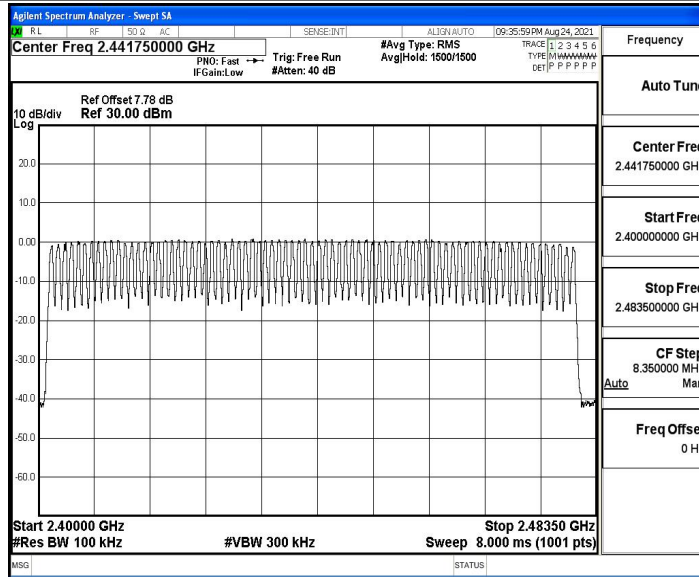
Test Result

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

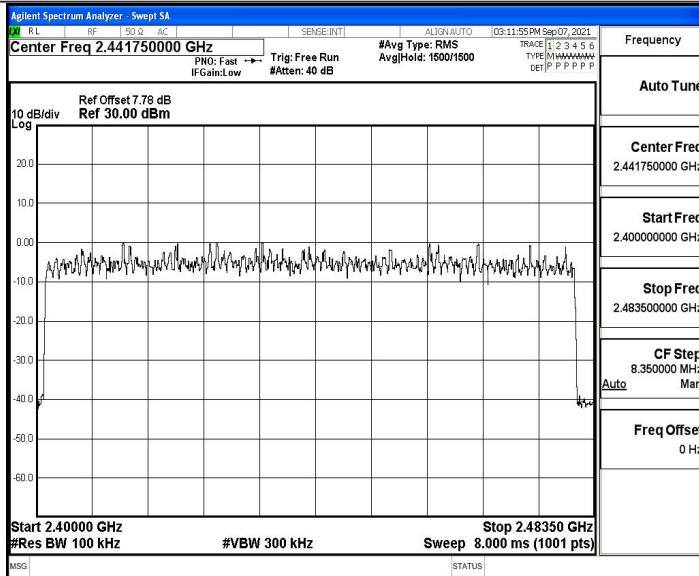


Test Graphs

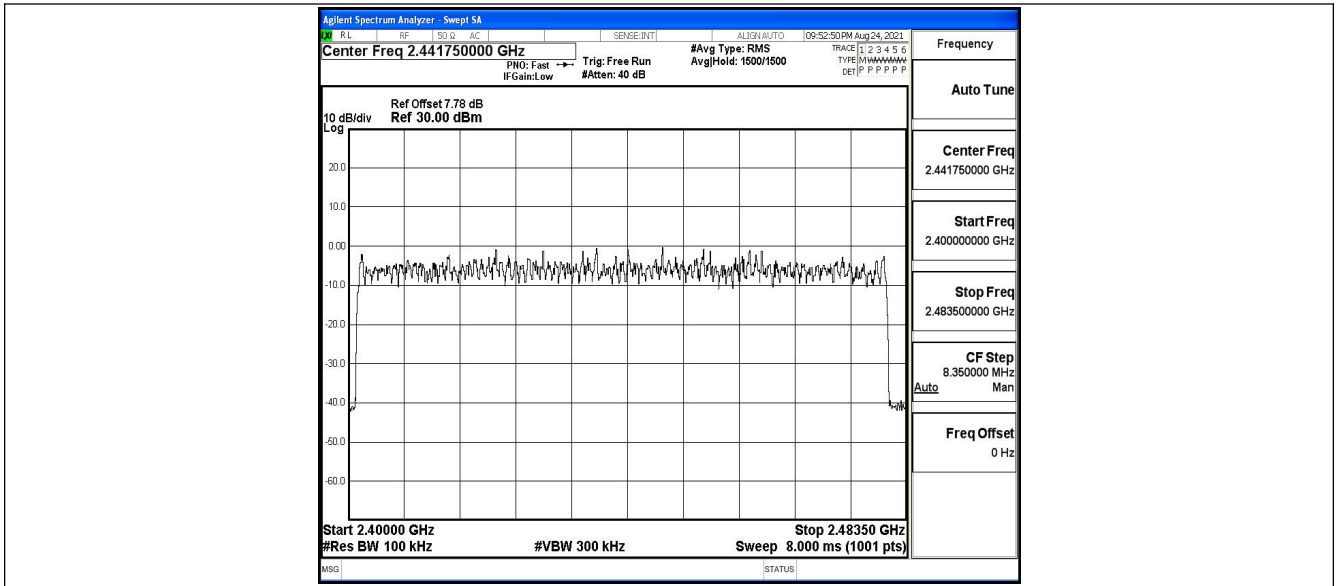
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

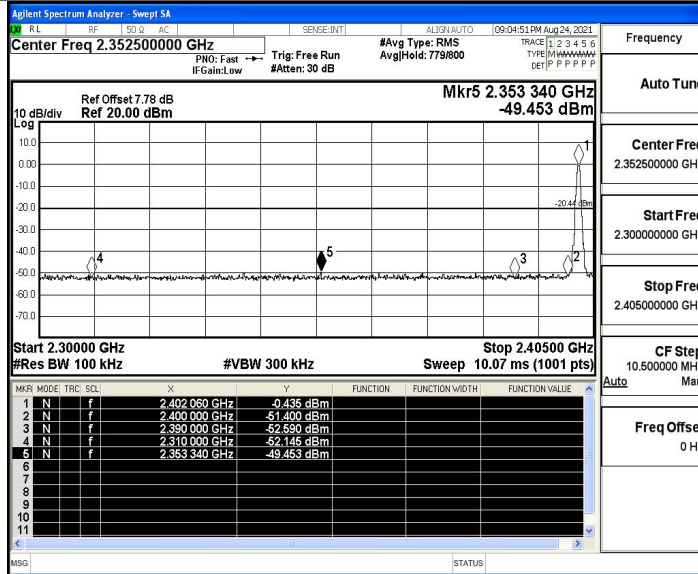
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.44	-49.45	≤ -20.44	PASS
		High	2480	-0.51	-48.24	≤ -20.51	PASS
		Low	Hop_2402	0.45	-49.88	≤ -19.55	PASS
		High	Hop_2480	0.48	-48.73	≤ -19.52	PASS
2DH5	Ant1	Low	2402	-1.76	-49.18	≤ -21.76	PASS
		High	2480	-1.74	-48.64	≤ -21.74	PASS
		Low	Hop_2402	-3.72	-49.78	≤ -23.72	PASS
		High	Hop_2480	-1.08	-47.94	≤ -21.08	PASS
3DH5	Ant1	Low	2402	-1.76	-49.6	≤ -21.76	PASS
		High	2480	-1.90	-47.45	≤ -21.9	PASS
		Low	Hop_2402	-0.77	-49.23	≤ -20.77	PASS
		High	Hop_2480	-3.12	-48.87	≤ -23.12	PASS

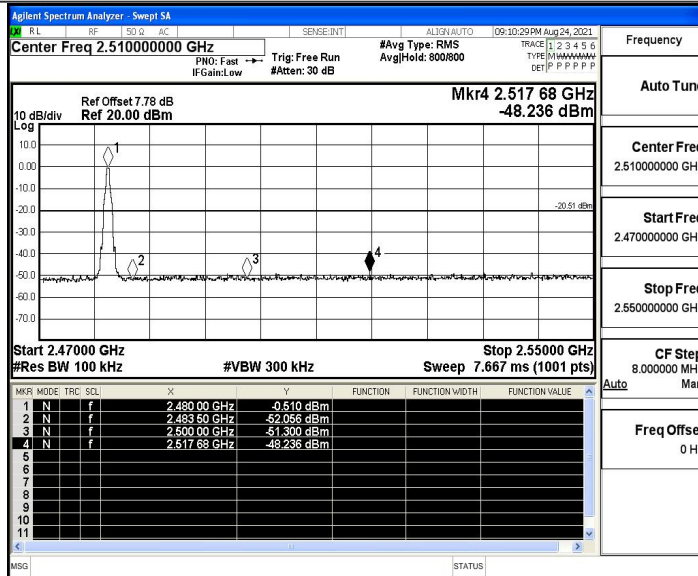


Test Graphs

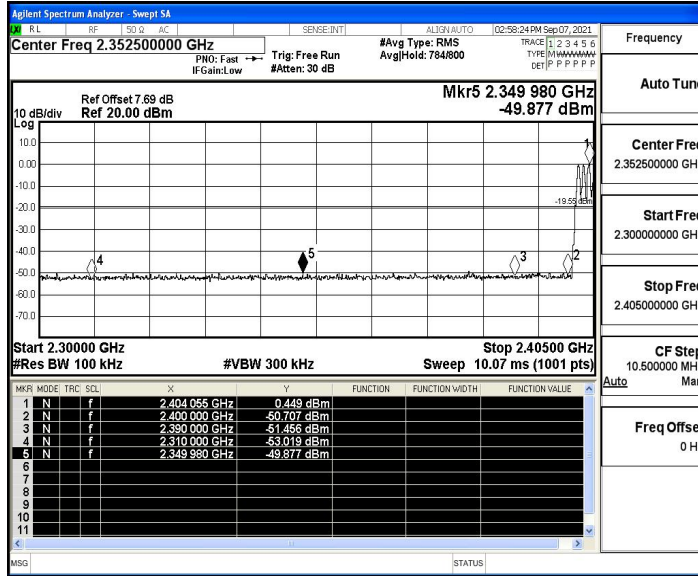
DH5_Ant1_Low_2402



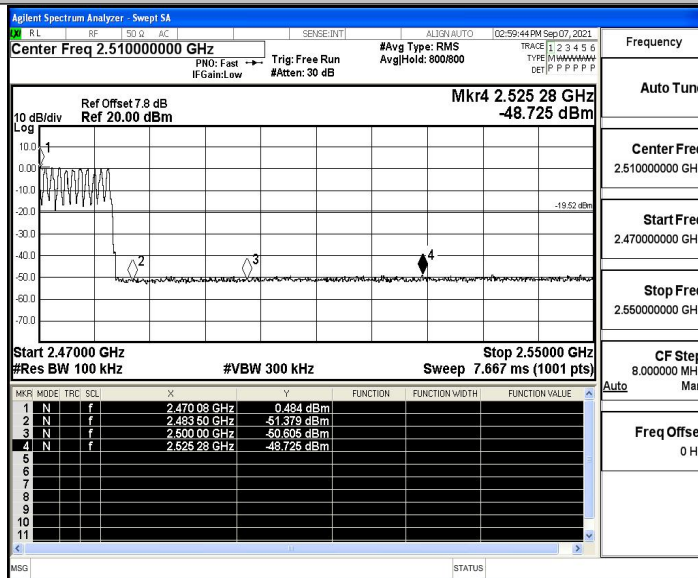
DH5_Ant1_High_2480



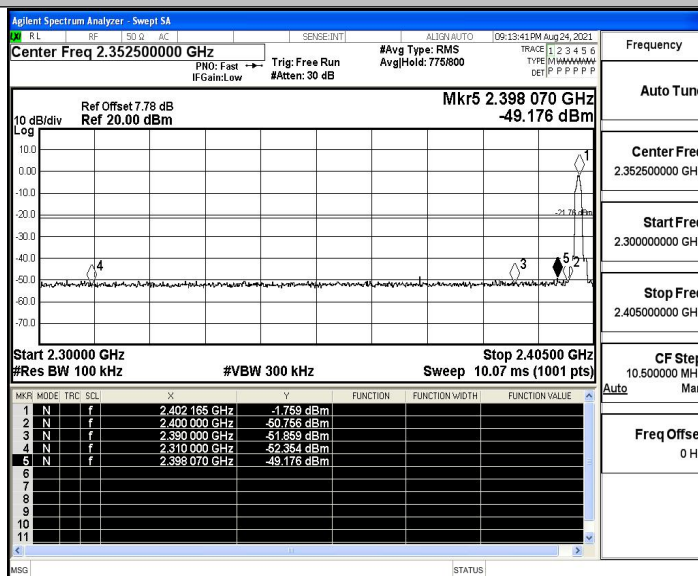
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

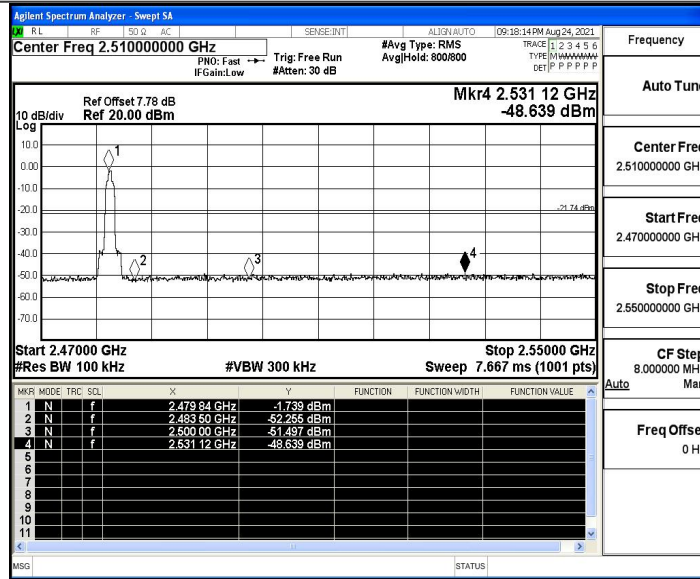


2DH5_Ant1_Low_2402

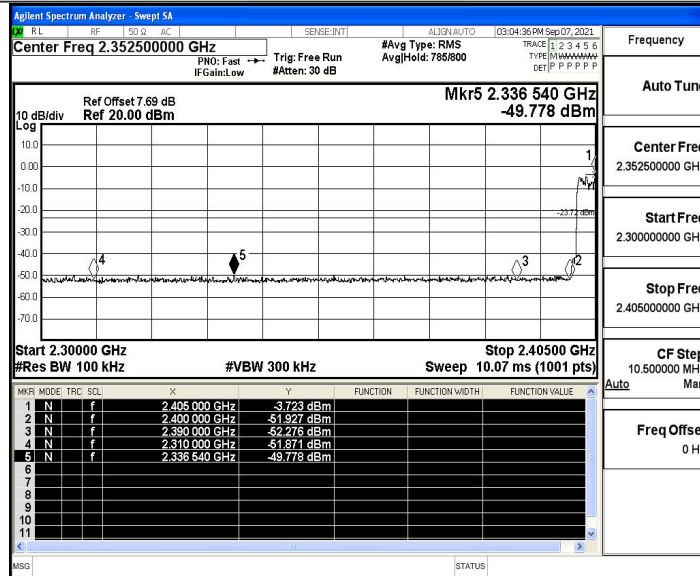




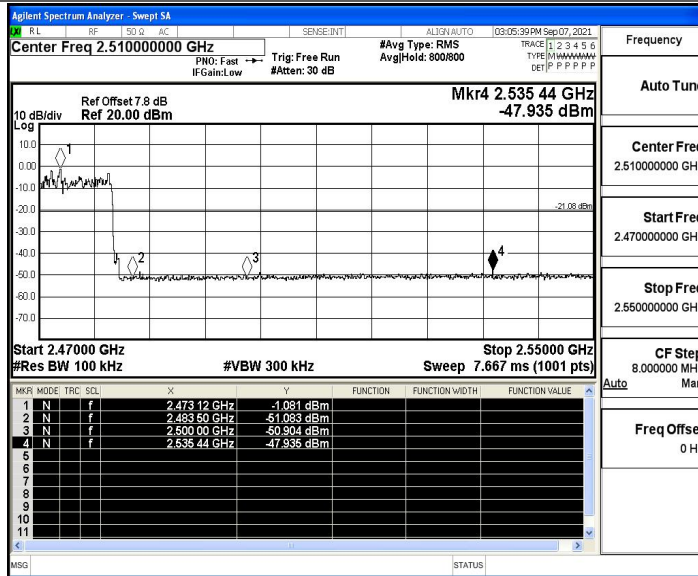
2DH5_Ant1_High_2480



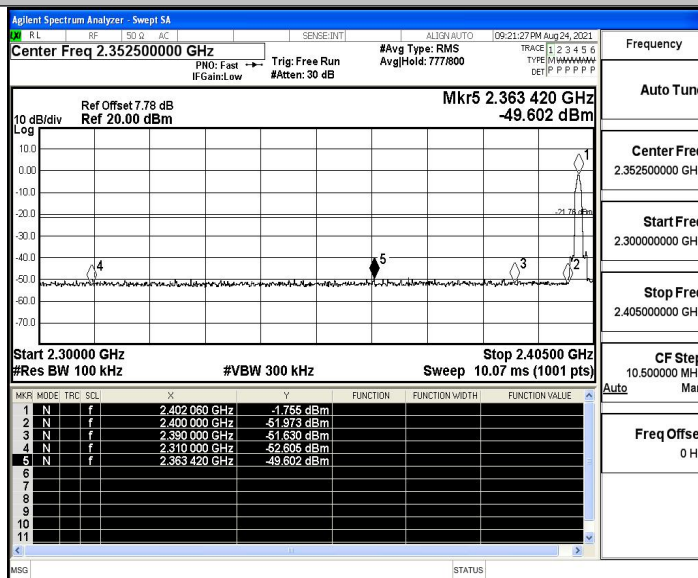
2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480

