



Appendix A

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

Product Name: TURNTABLE PLAYER

Trade Mark:



Test Model: DP-500

Environmental Conditions

Temperature:	21.1℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

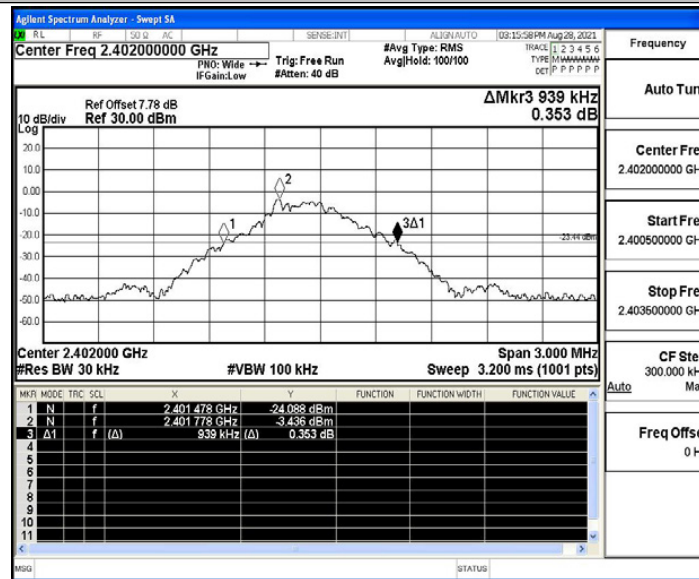
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.478	2402.417	---	PASS
		2441	0.954	2440.469	2441.423	---	PASS
		2480	0.966	2479.466	2480.432	---	PASS
2DH5	Ant1	2402	1.266	2401.310	2402.576	---	PASS
		2441	1.308	2440.283	2441.591	---	PASS
		2480	1.290	2479.301	2480.591	---	PASS

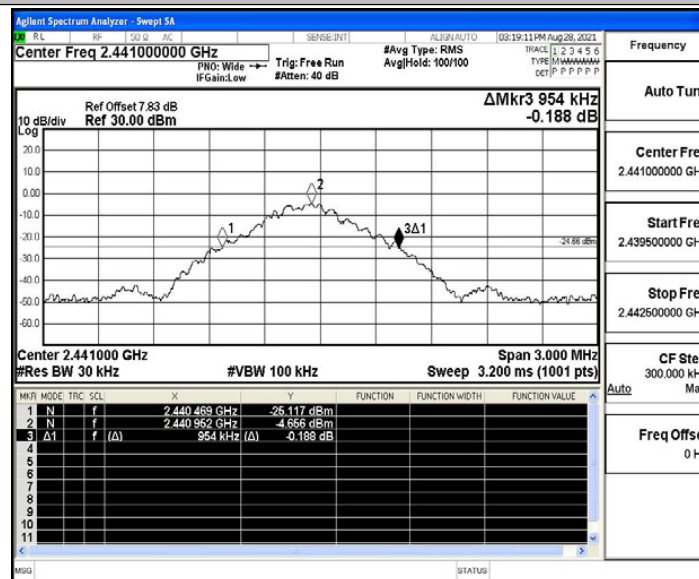


Test Graphs

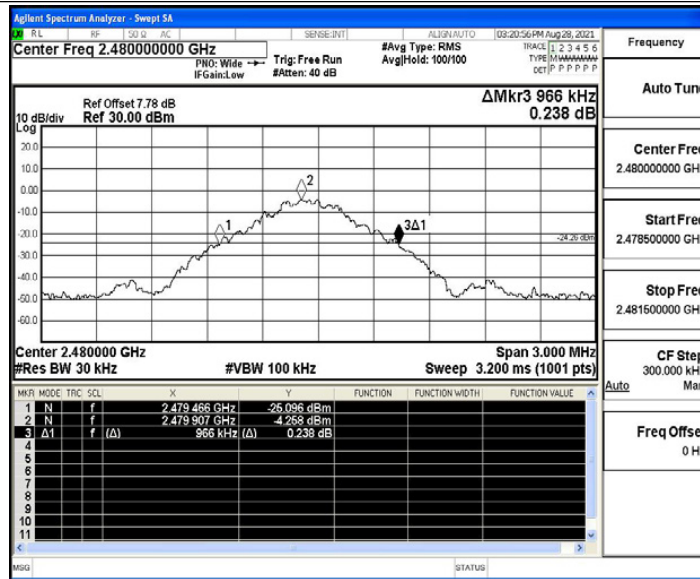
DH5_Ant1_2402



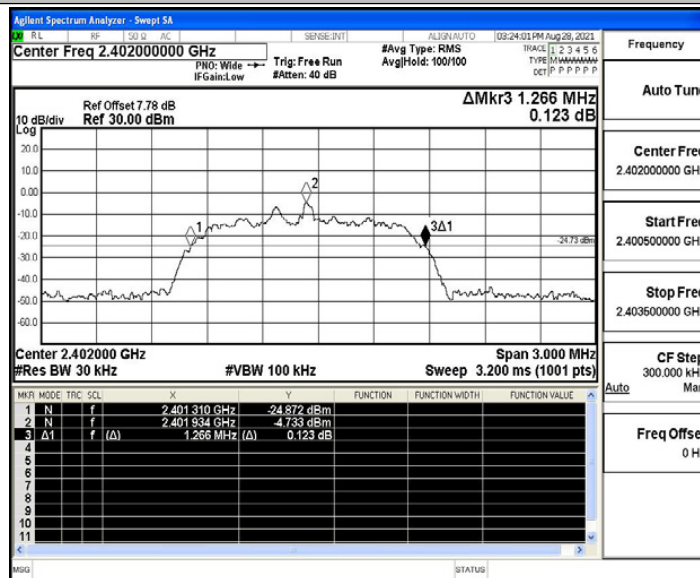
DH5_Ant1_2441



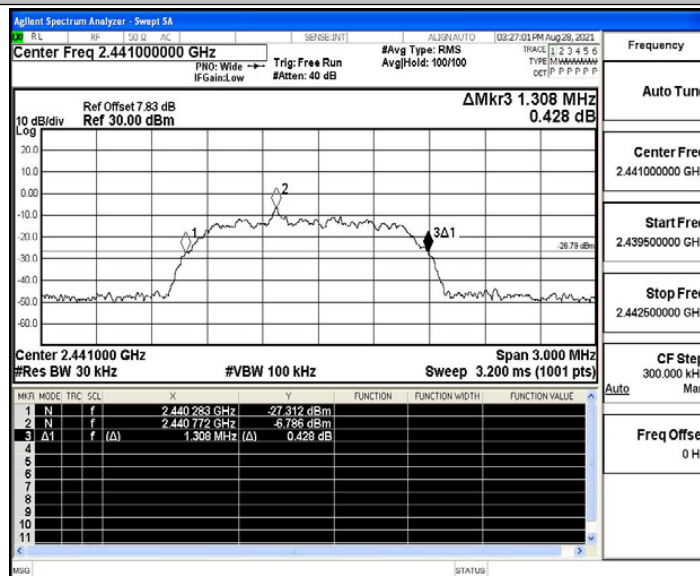
DH5_Ant1_2480



2DH5_Ant1_2402

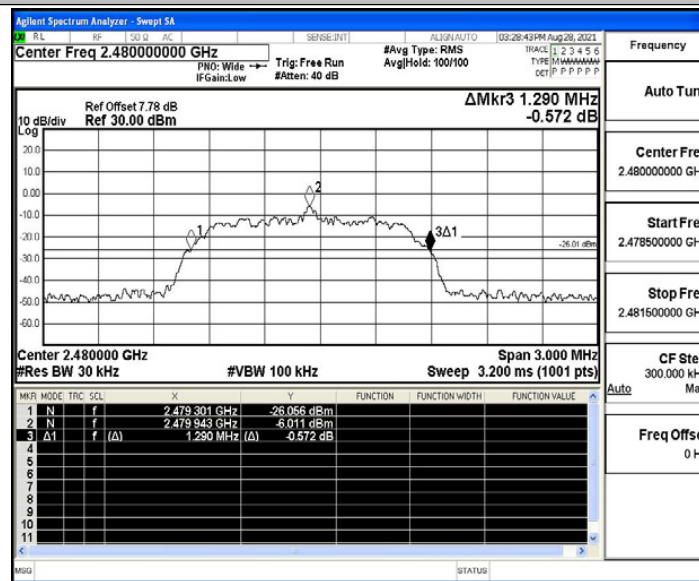


2DH5_Ant1_2441





2DH5_Ant1_2480





A.2 Maximum peak conducted output power

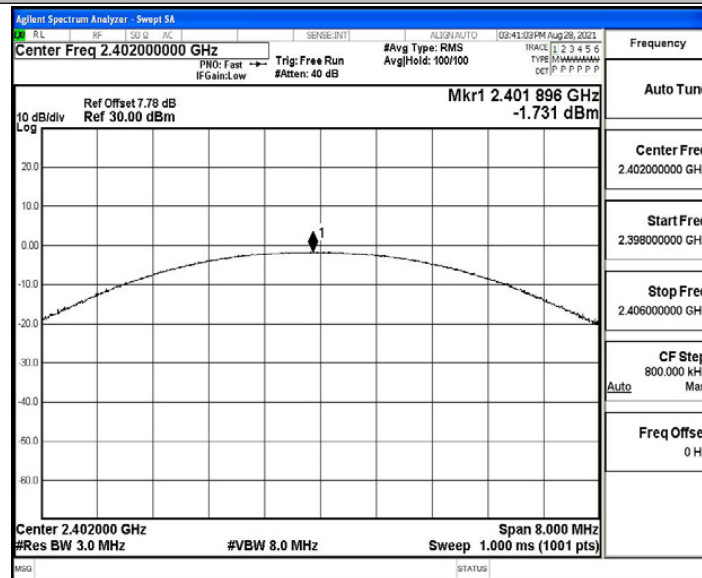
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.73	≤ 20.97	PASS
		2441	-1.57	≤ 20.97	PASS
		2480	-1.18	≤ 20.97	PASS
2DH5	Ant1	2402	-1.87	≤ 20.97	PASS
		2441	-1.81	≤ 20.97	PASS
		2480	-1.34	≤ 20.97	PASS

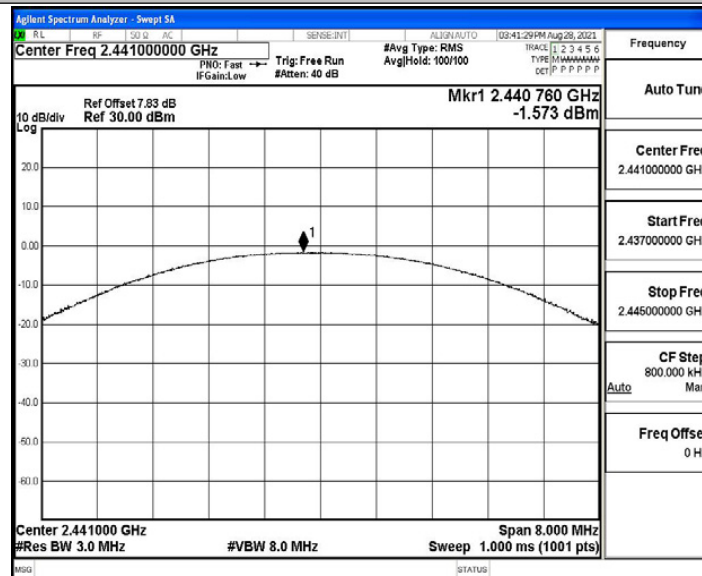


Test Graphs

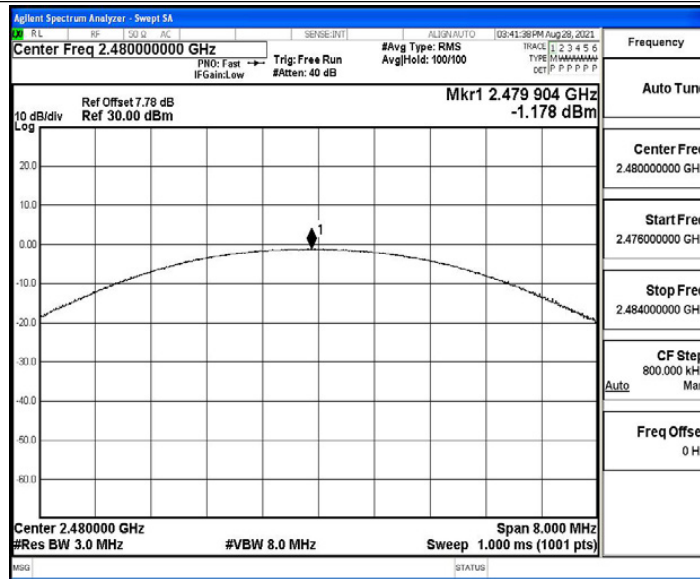
DH5_Ant1_2402



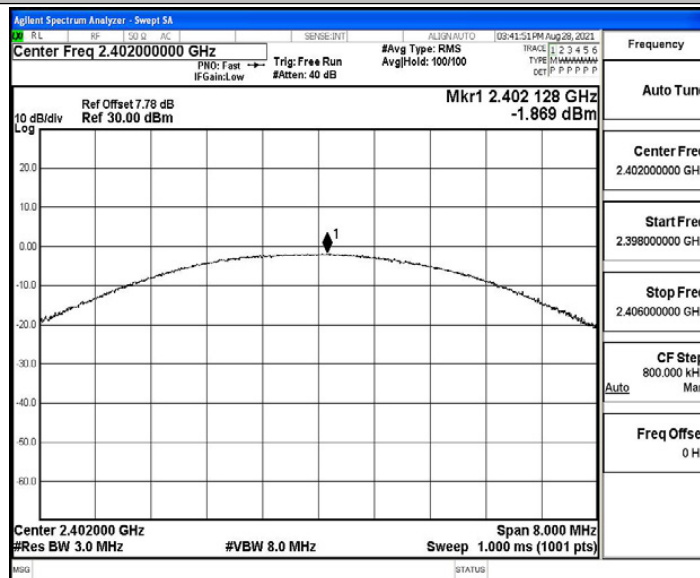
DH5_Ant1_2441



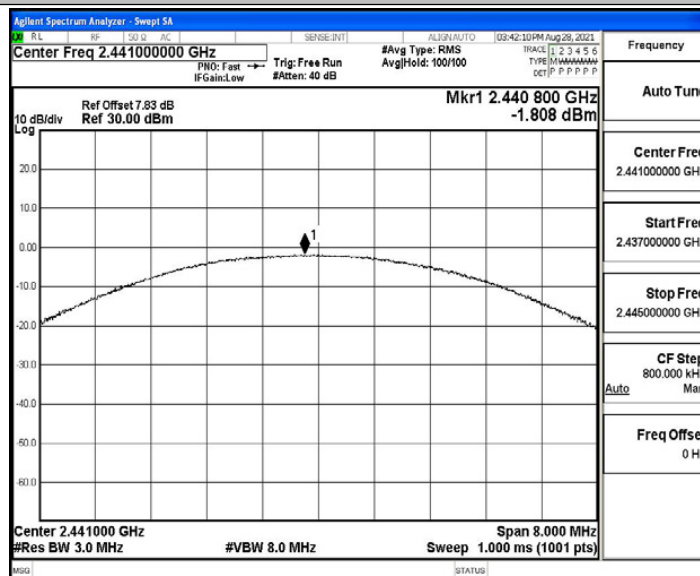
DH5_Ant1_2480



2DH5_Ant1_2402

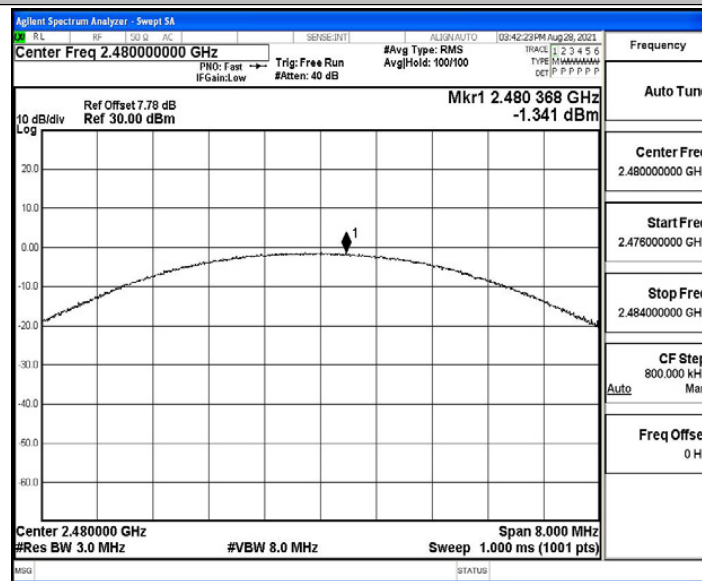


2DH5_Ant1_2441





2DH5_Ant1_2480





A.3 Carrier frequency separation

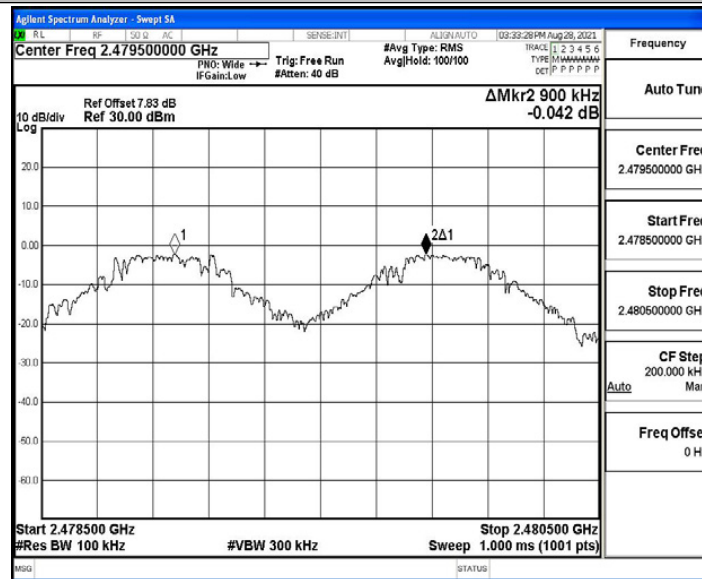
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.9	≥ 0.644	PASS
2DH5	Ant1	Hop	1.078	≥ 0.872	PASS

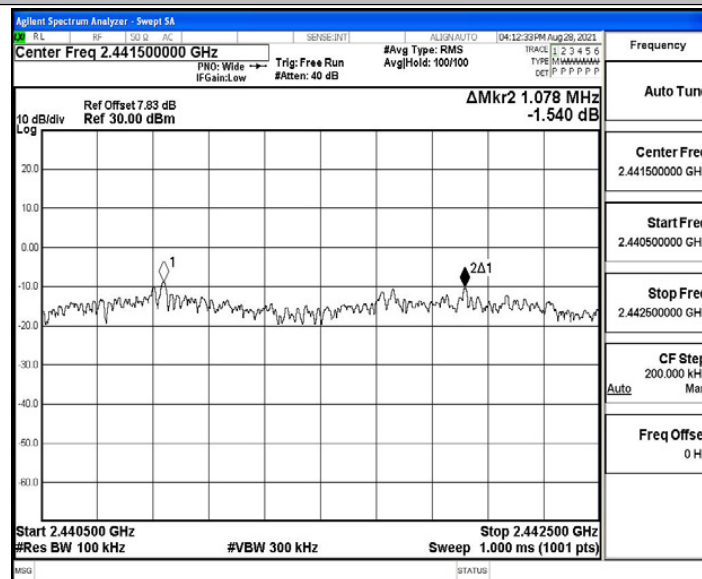


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.4 Time of occupancy

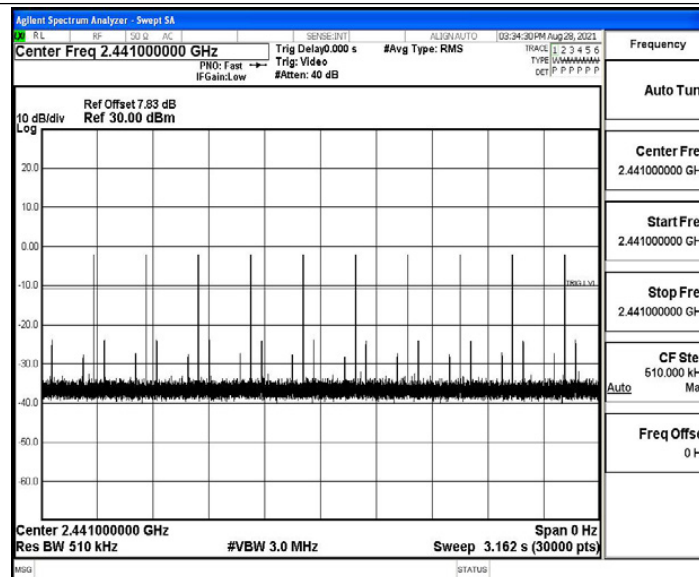
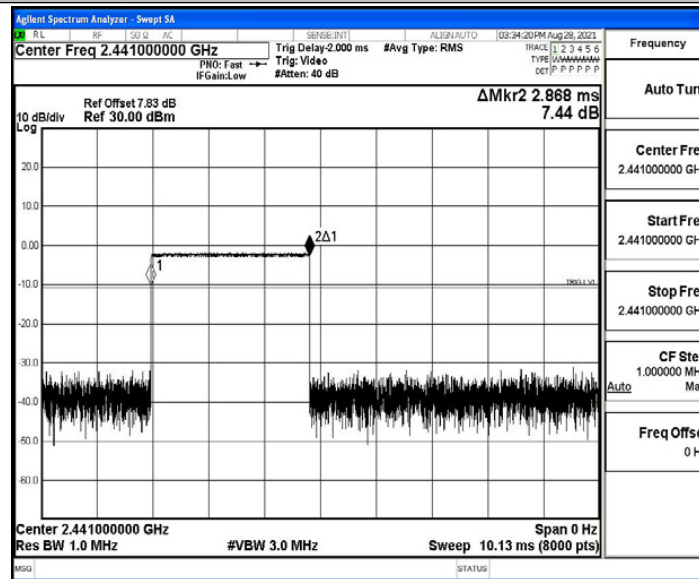
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	110	0.315	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

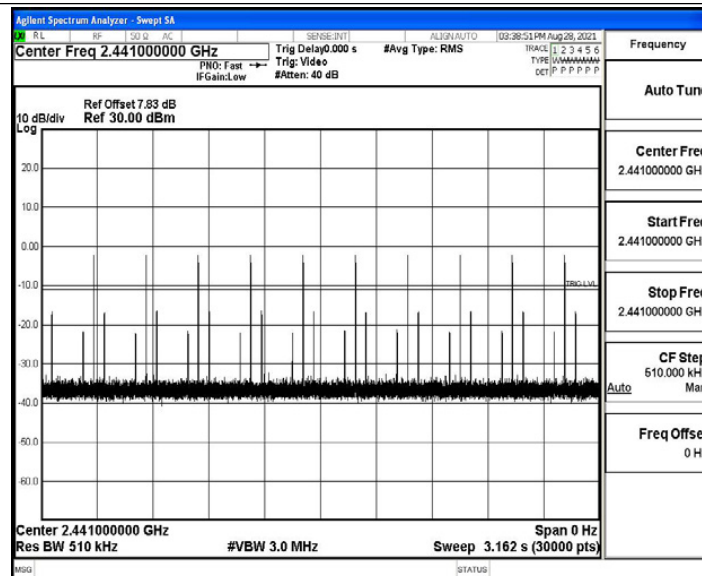
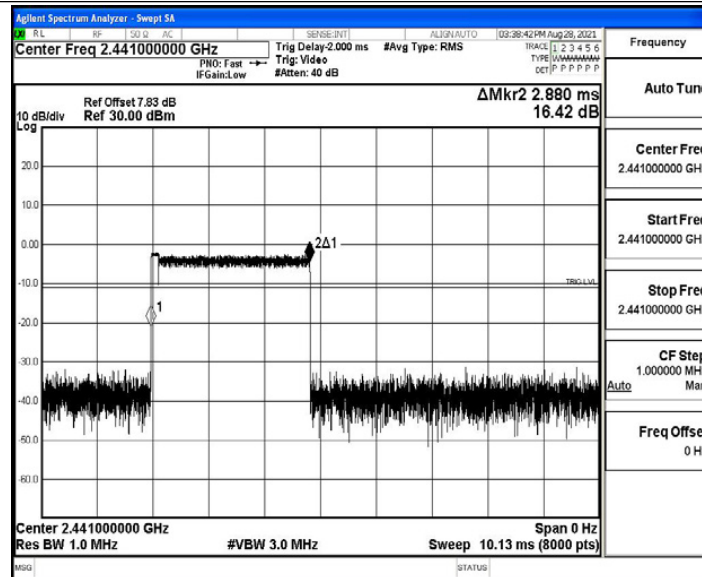


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.5 Number of hopping channels

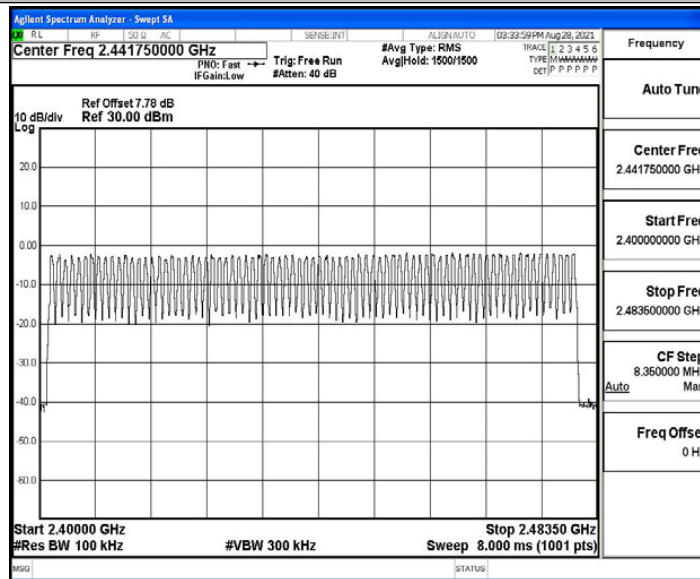
Test Result

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

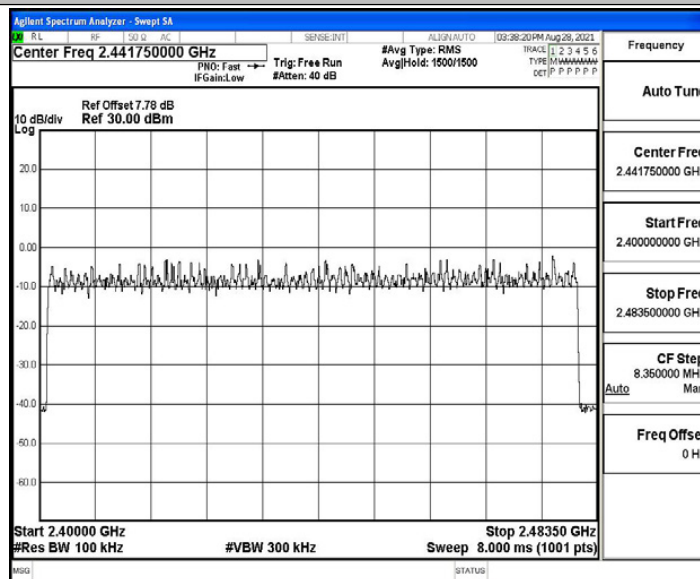


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop





A.6 Band edge measurements

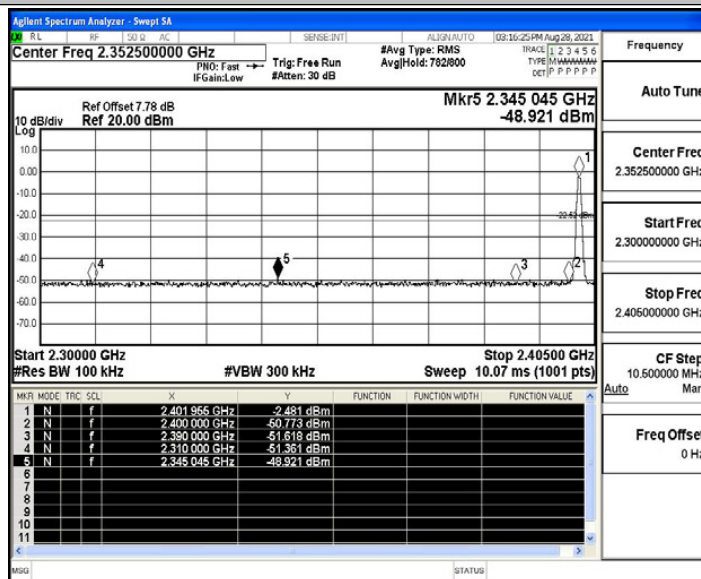
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.52	-48.92	≤ -22.52	PASS
		High	2480	-1.61	-48.62	≤ -21.61	PASS
		Low	Hop_2402	-3.82	-49.1	≤ -23.82	PASS
		High	Hop_2480	-1.94	-48.35	≤ -21.94	PASS
2DH5	Ant1	Low	2402	-4.27	-49.49	≤ -24.27	PASS
		High	2480	-2.19	-48.4	≤ -22.19	PASS
		Low	Hop_2402	-5.05	-49.76	≤ -25.05	PASS
		High	Hop_2480	-3.32	-48.52	≤ -23.32	PASS

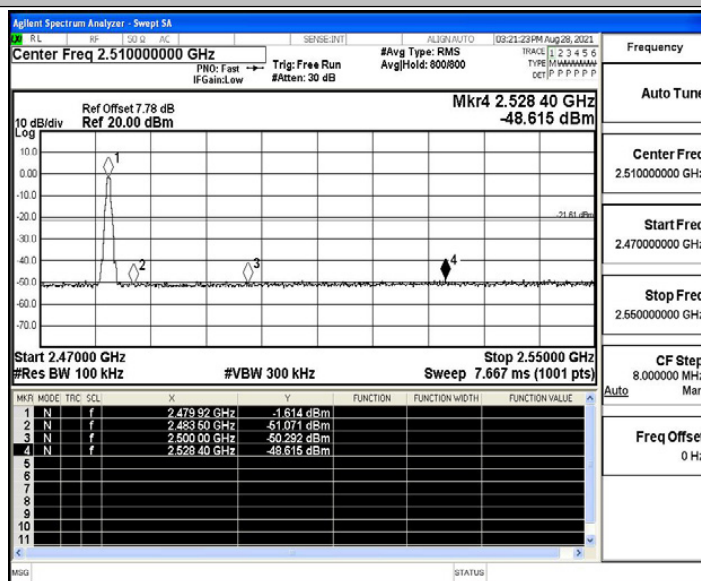


Test Graphs

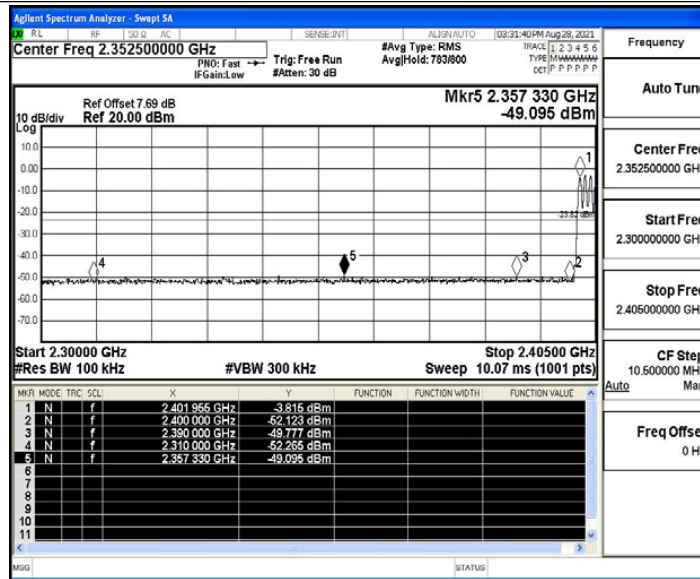
DH5_Ant1_Low_2402



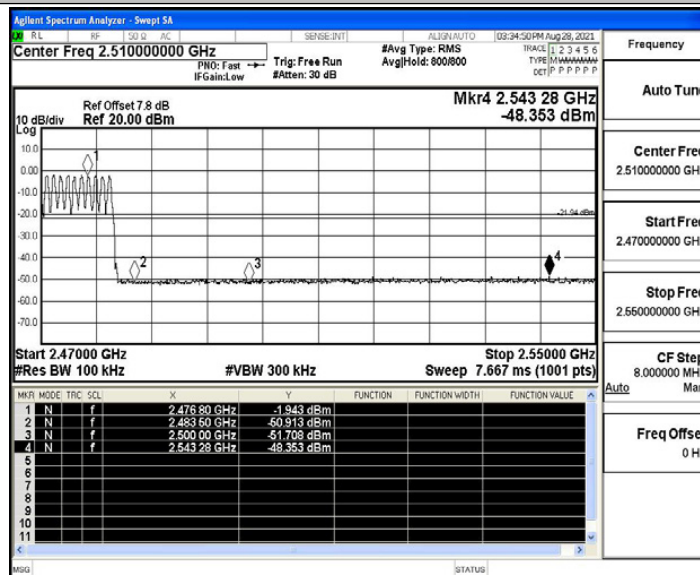
DH5_Ant1_High_2480



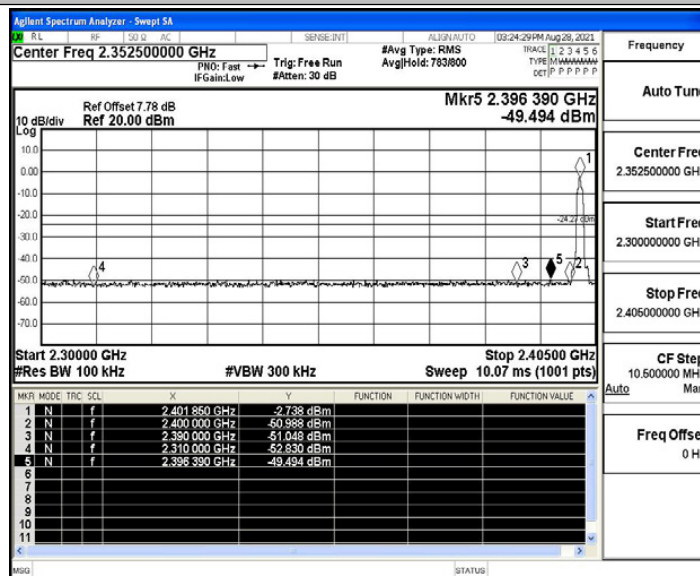
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

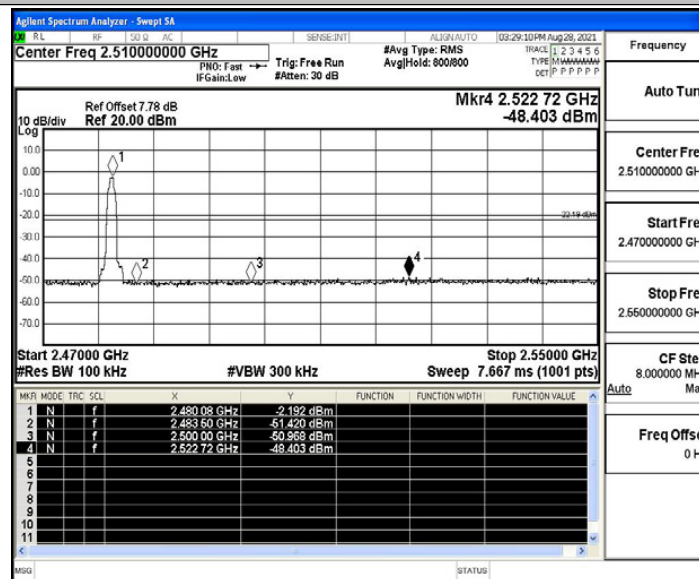


2DH5_Ant1_Low_2402

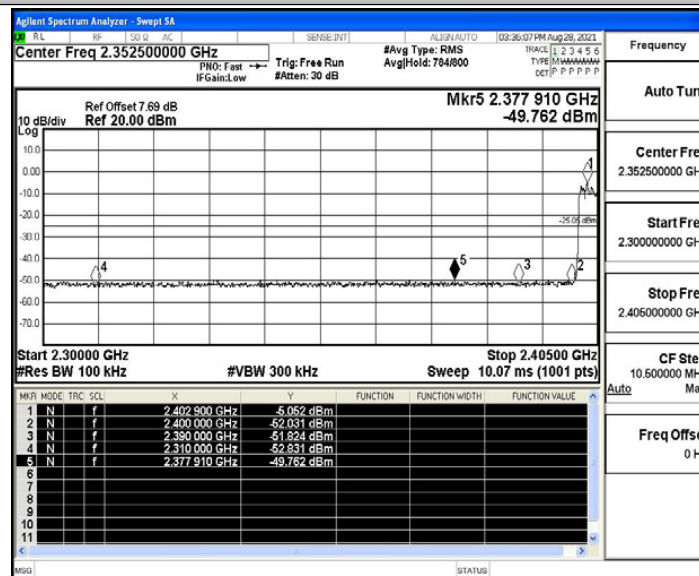




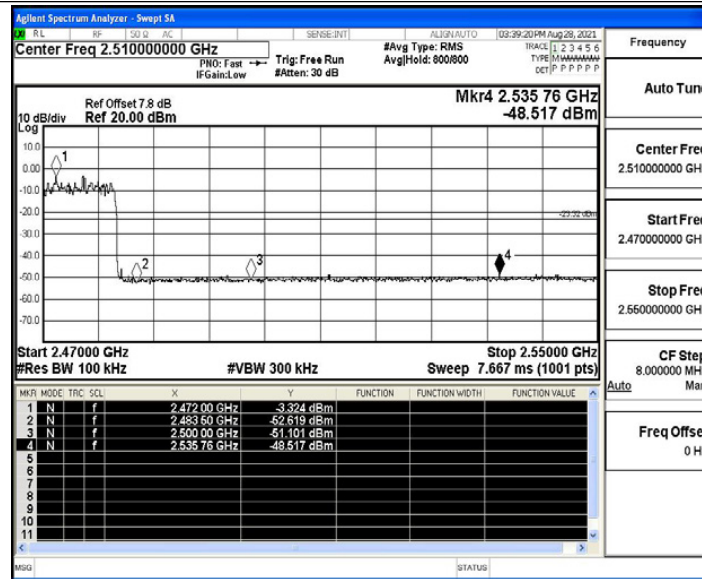
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

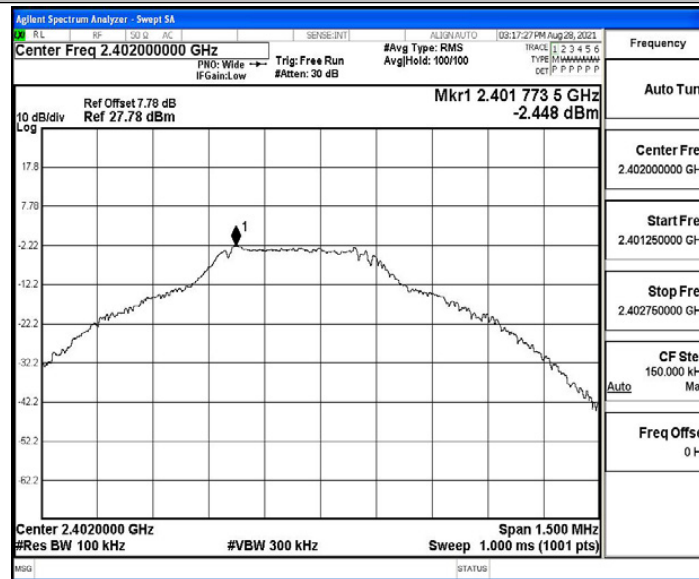
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.45	-2.45	---	PASS
			30~1000	-2.45	-60.22	≤ -22.45	PASS
			1000~26500	-2.45	-47.41	≤ -22.45	PASS
		2441	Reference	-2.53	-2.53	---	PASS
			30~1000	-2.53	-59.83	≤ -22.53	PASS
			1000~26500	-2.53	-47.39	≤ -22.53	PASS
		2480	Reference	-2.31	-2.31	---	PASS
			30~1000	-2.31	-58.41	≤ -22.31	PASS
			1000~26500	-2.31	-47.55	≤ -22.31	PASS
2DH5	Ant1	2402	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-60.14	≤ -23.12	PASS
			1000~26500	-3.12	-47.44	≤ -23.12	PASS
		2441	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-58.56	≤ -22.48	PASS
			1000~26500	-2.48	-46.38	≤ -22.48	PASS
		2480	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-58.95	≤ -22.87	PASS
			1000~26500	-2.87	-47.26	≤ -22.87	PASS

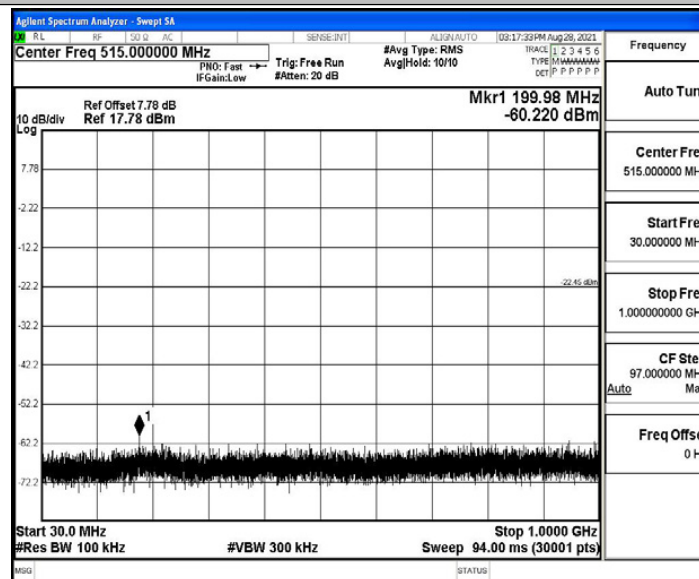


Test Graphs

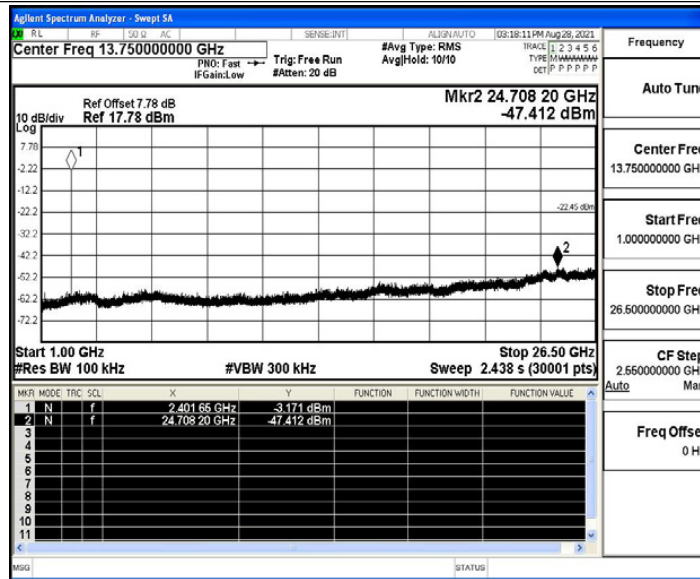
DH5_Ant1_2402_0~Reference



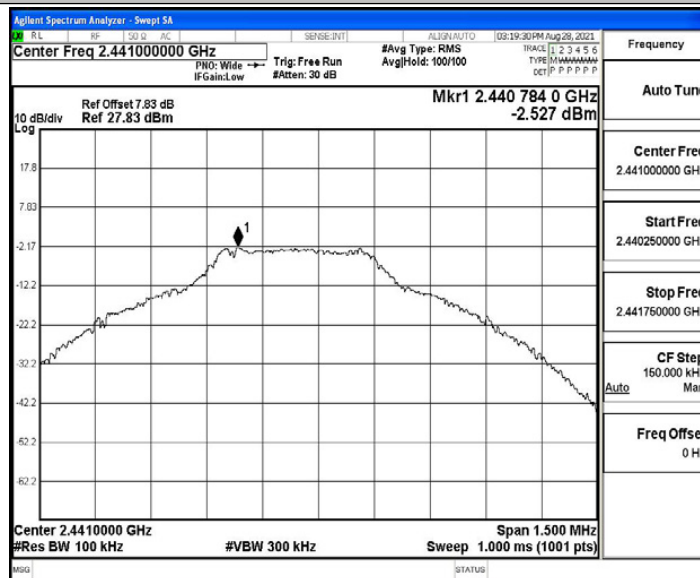
DH5_Ant1_2402_30~1000



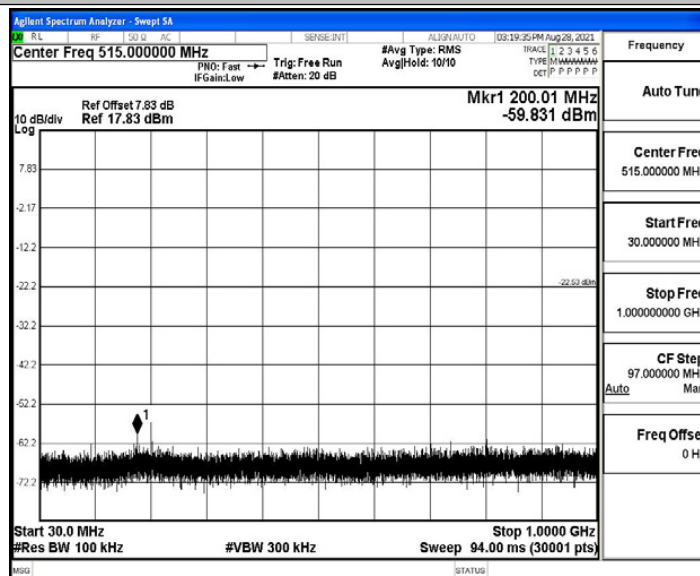
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

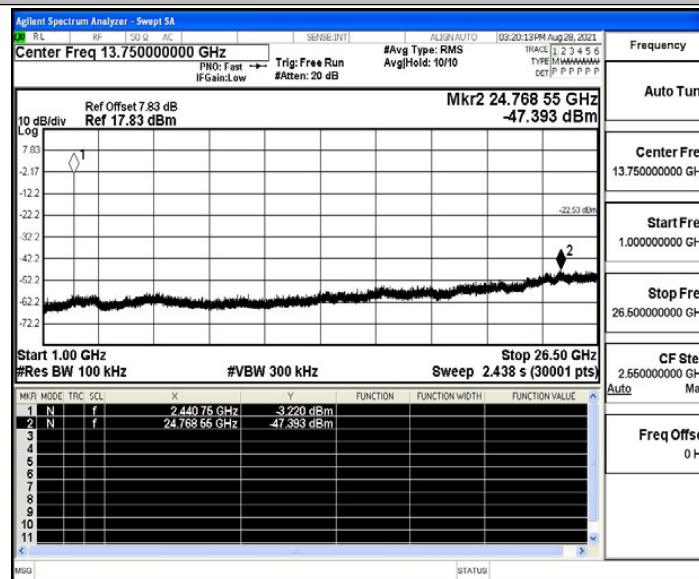


DH5_Ant1_2441_30~1000

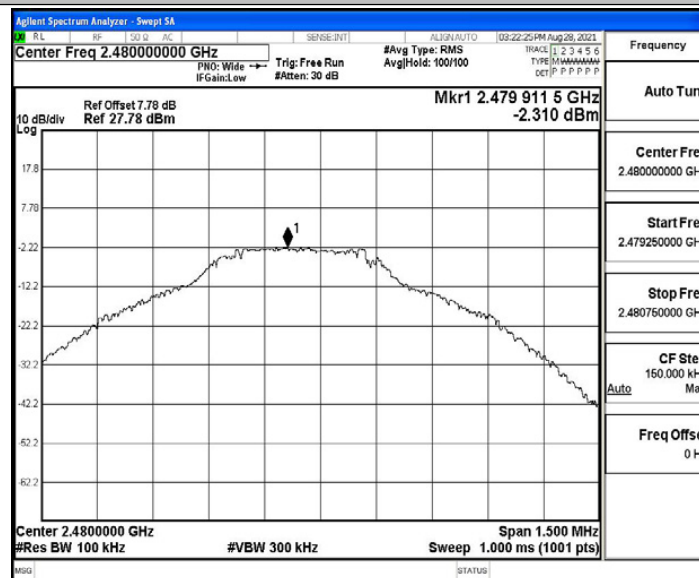




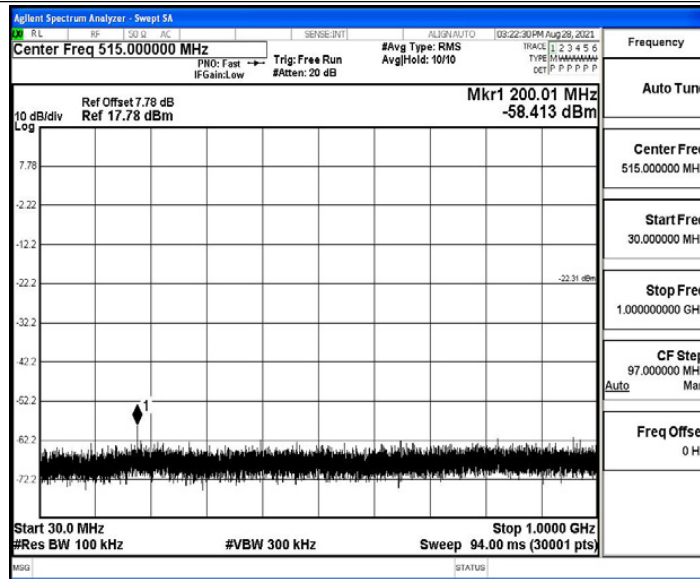
DH5_Ant1_2441_1000~26500



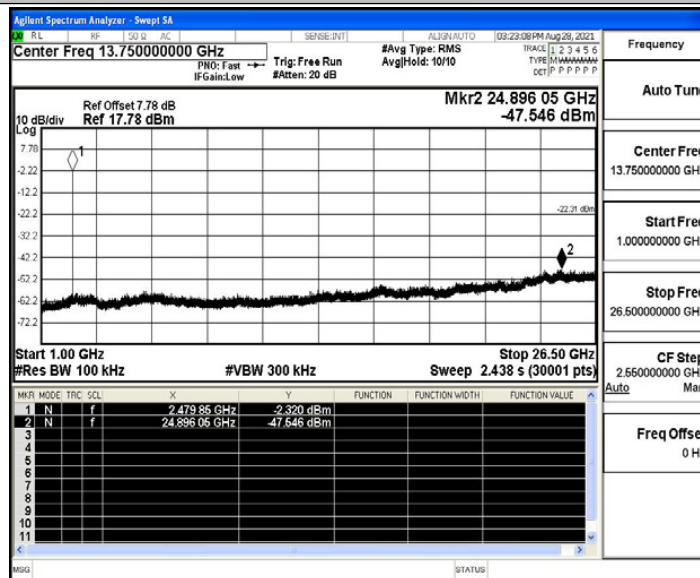
DH5_Ant1_2480_0~Reference



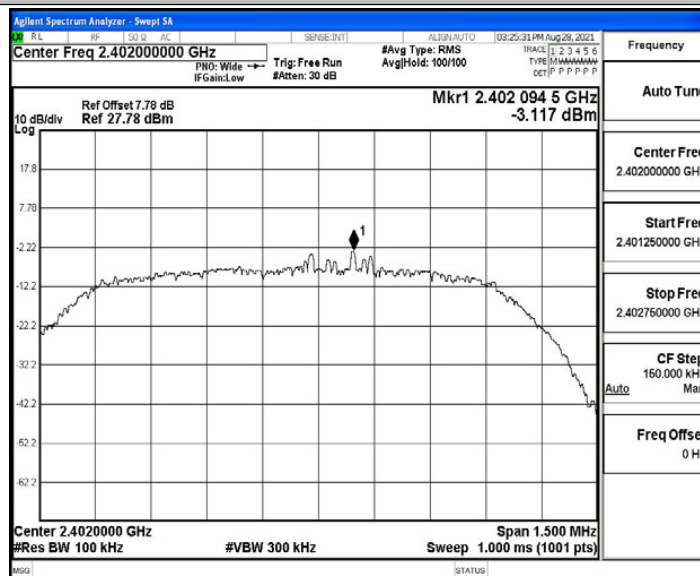
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

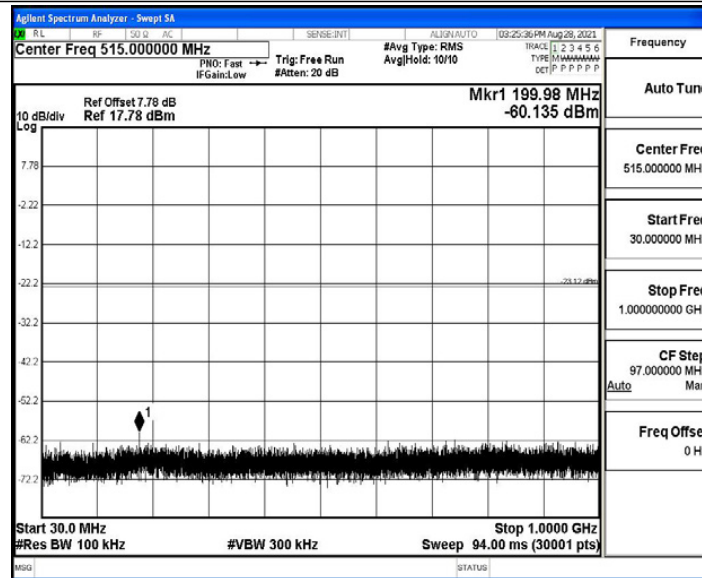


2DH5_Ant1_2402_0~Reference

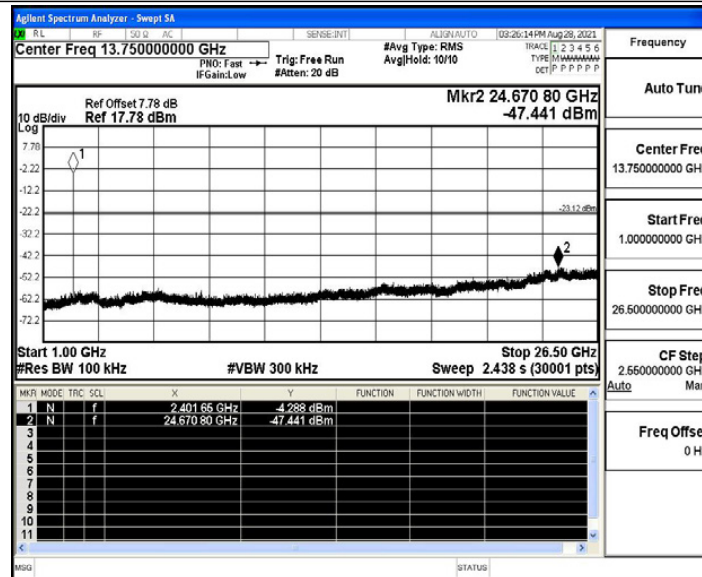




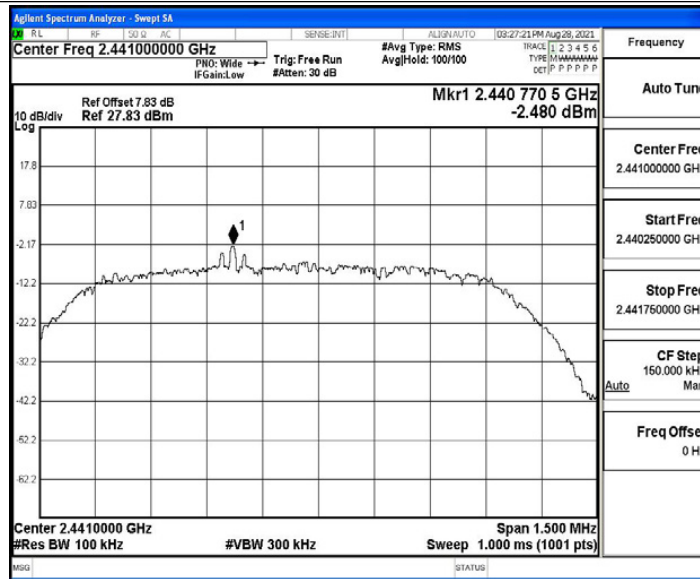
2DH5_Ant1_2402_30~1000



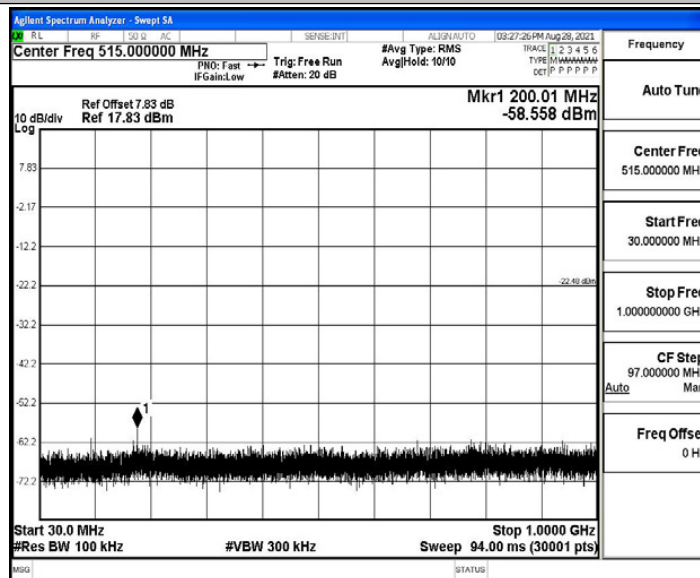
2DH5_Ant1_2402_1000~26500



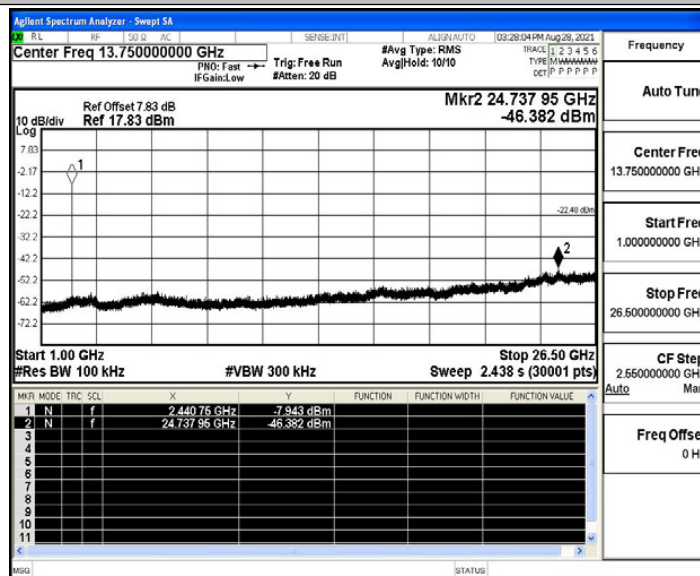
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

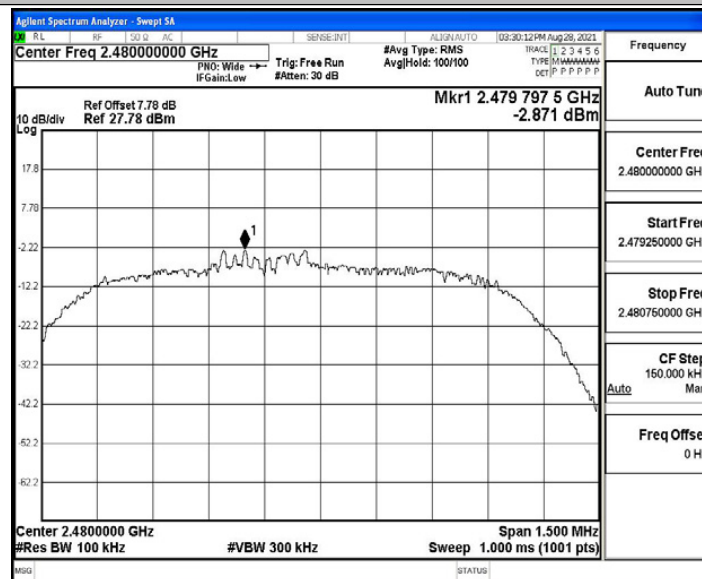


2DH5_Ant1_2441_1000~26500

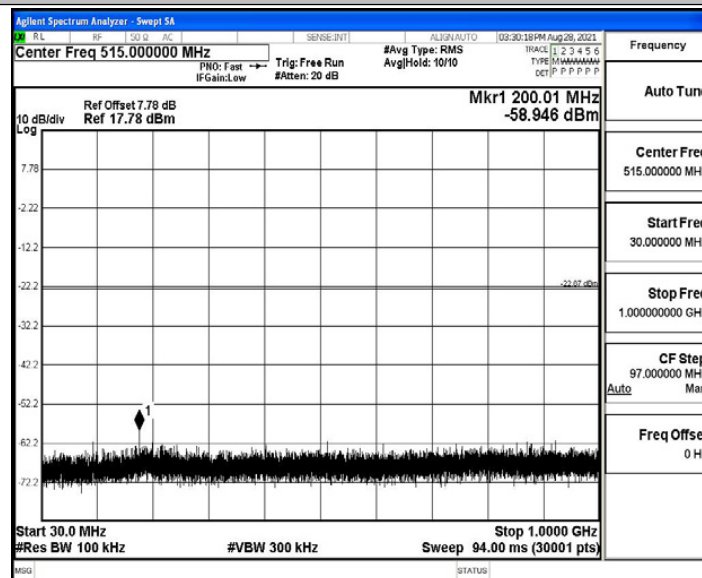




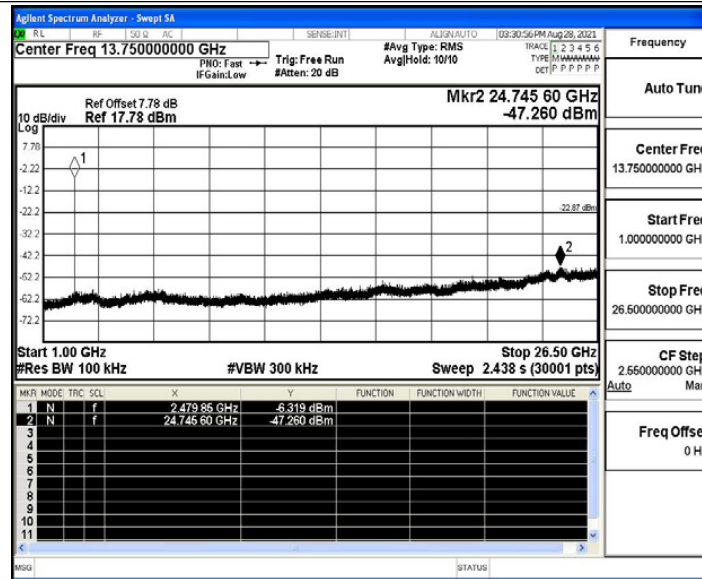
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.6	≤-41.20	46.60	≤54	PASS
				AV	2357.225	-48.26	≤-41.20	46.94	≤54	PASS
				AV	2390.000	-48.46	≤-41.20	46.74	≤54	PASS
				Peak	2310.000	-40.22	≤-21.20	54.98	≤74	PASS
				Peak	2324.150	-37.26	≤-21.20	57.94	≤74	PASS
				Peak	2390.000	-40.38	≤-21.20	54.82	≤74	PASS
		High	2480	AV	2483.500	-47.94	≤-41.20	47.26	≤54	PASS
				AV	2497.840	-47.73	≤-41.20	47.47	≤54	PASS
				AV	2500.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	2483.500	-39.79	≤-21.20	55.41	≤74	PASS
				Peak	2490.560	-37.04	≤-21.20	58.16	≤74	PASS
				Peak	2500.000	-40.19	≤-21.20	55.01	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.74	≤-41.20	46.46	≤54	PASS
				AV	2387.465	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2390.000	-48.51	≤-41.20	46.69	≤54	PASS
				Peak	2310.000	-40.95	≤-21.20	54.25	≤74	PASS
				Peak	2359.850	-37.92	≤-21.20	57.28	≤74	PASS
				Peak	2390.000	-38.86	≤-21.20	56.34	≤74	PASS
		High	2480	AV	2483.500	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2498.800	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2500.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	2483.500	-40	≤-21.20	55.20	≤74	PASS
				Peak	2498.880	-37.28	≤-21.20	57.92	≤74	PASS
				Peak	2500.000	-38.98	≤-21.20	56.22	≤74	PASS

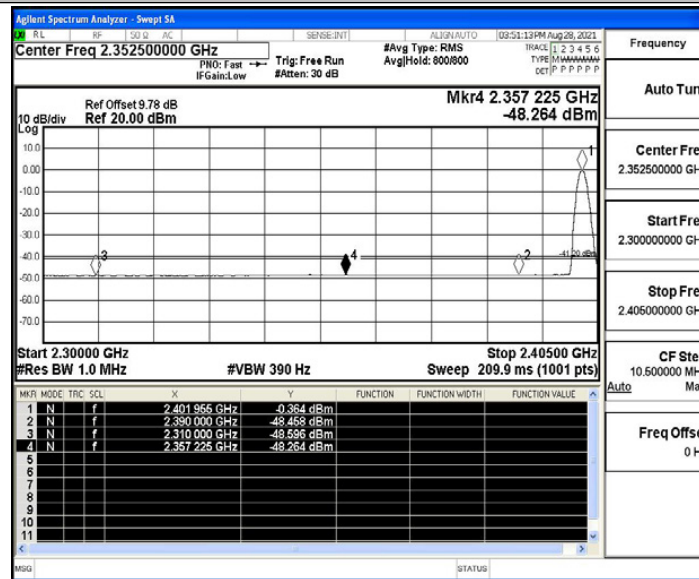
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

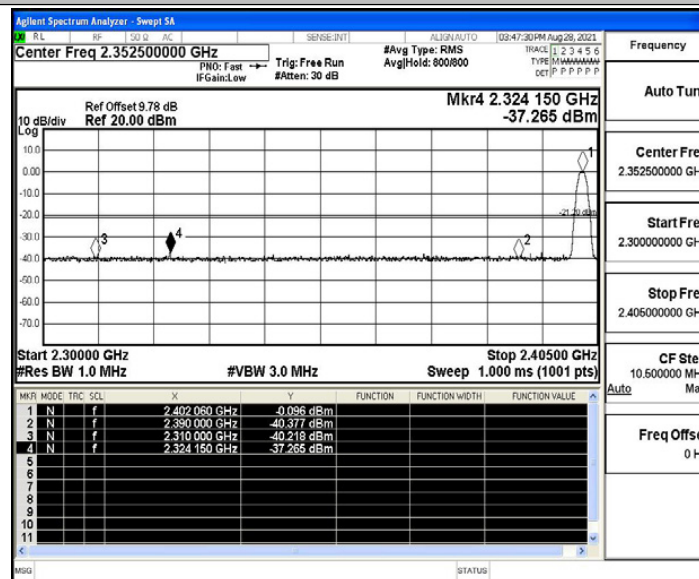


Test Graphs

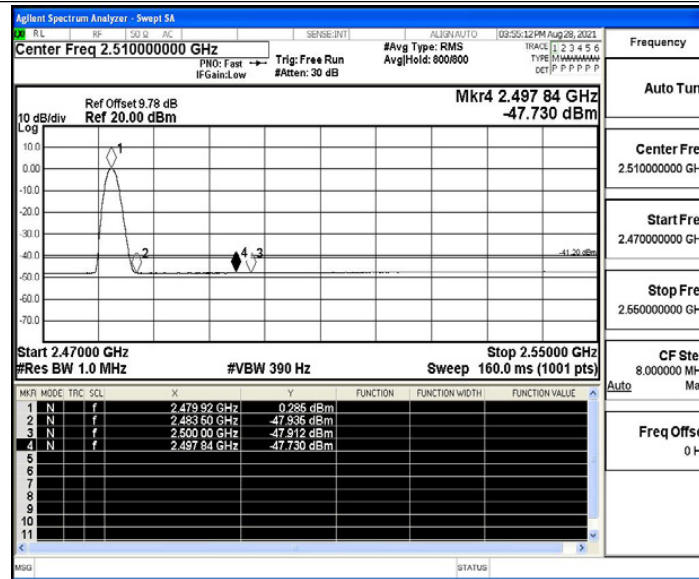
DH5_Ant1_Low_2402_AV



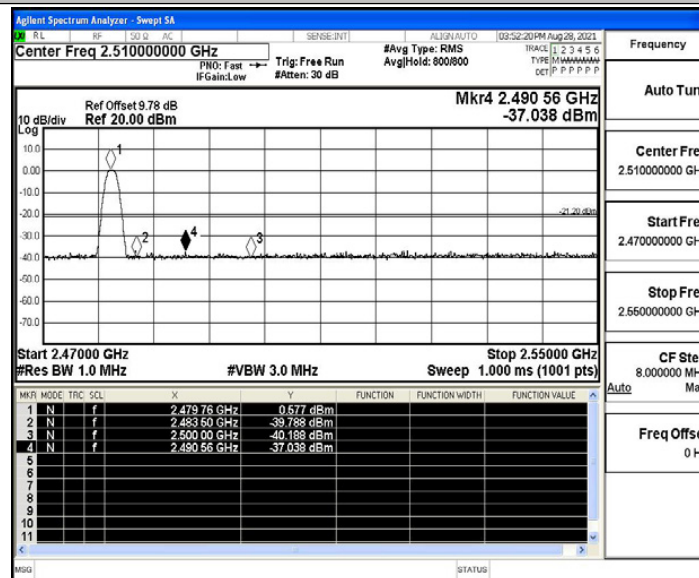
DH5_Ant1_Low_2402_Peak



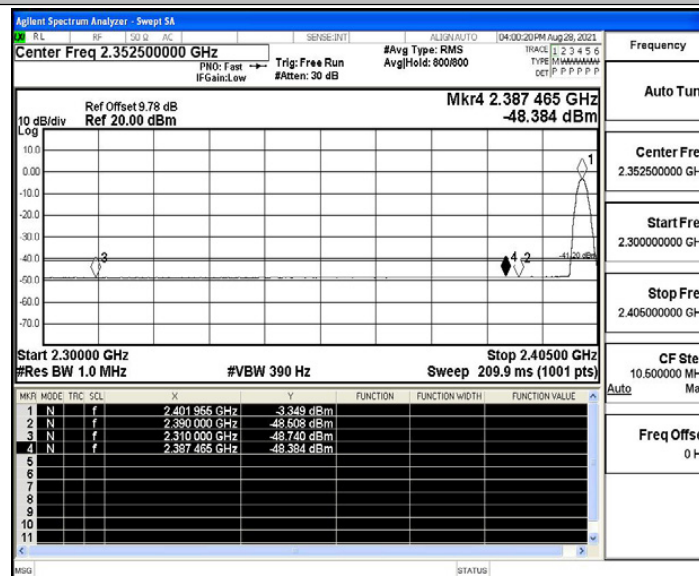
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

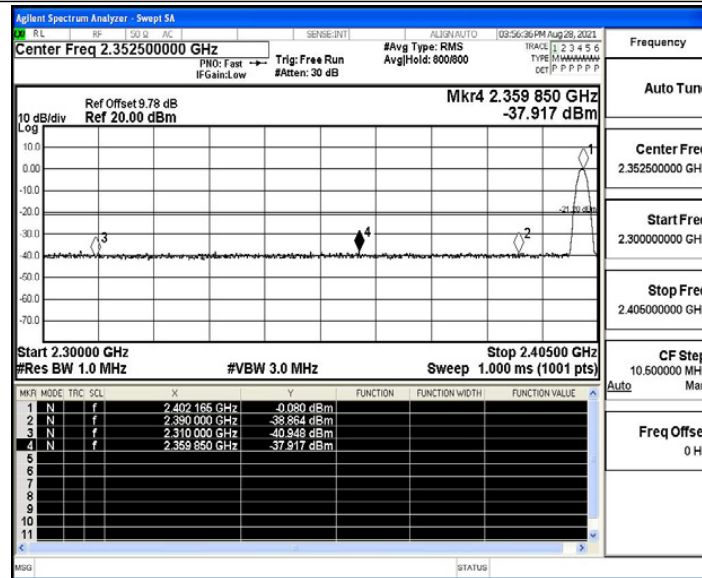


2DH5_Ant1_Low_2402_AV

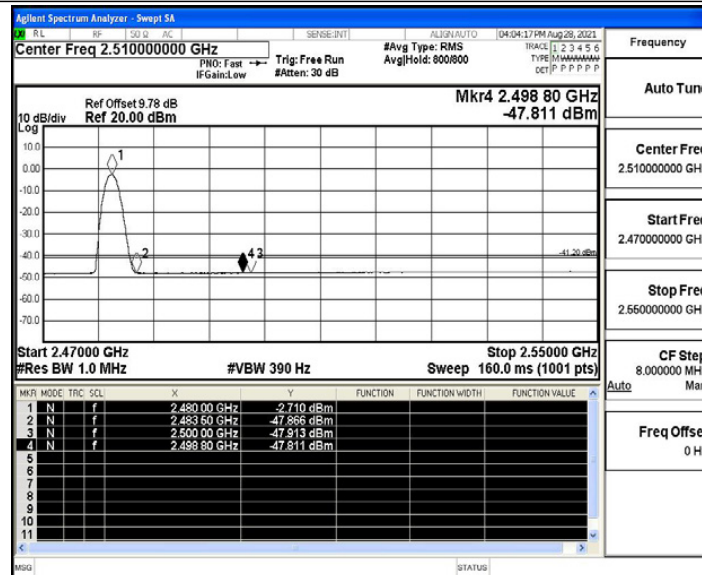




2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak

