



Appendix A

RF Test Data for BT V5.0 (DSS) (Conducted Measurement)

Product Name: Tablet

Test Model: OTTTAB1

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Bill Zhu
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

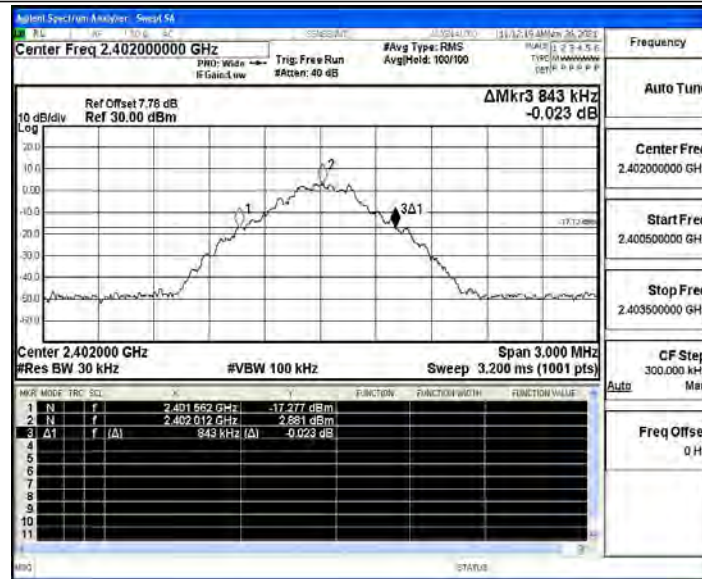
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.843	2401.562	2402.405	---	PASS
		2441	0.846	2440.568	2441.414	---	PASS
		2480	0.849	2479.565	2480.414	---	PASS
2DH5	Ant1	2402	1.284	2401.367	2402.651	---	PASS
		2441	1.287	2440.364	2441.651	---	PASS
		2480	1.284	2479.367	2480.651	---	PASS
3DH5	Ant1	2402	1.272	2401.355	2402.627	---	PASS
		2441	1.284	2440.355	2441.639	---	PASS
		2480	1.269	2479.361	2480.630	---	PASS

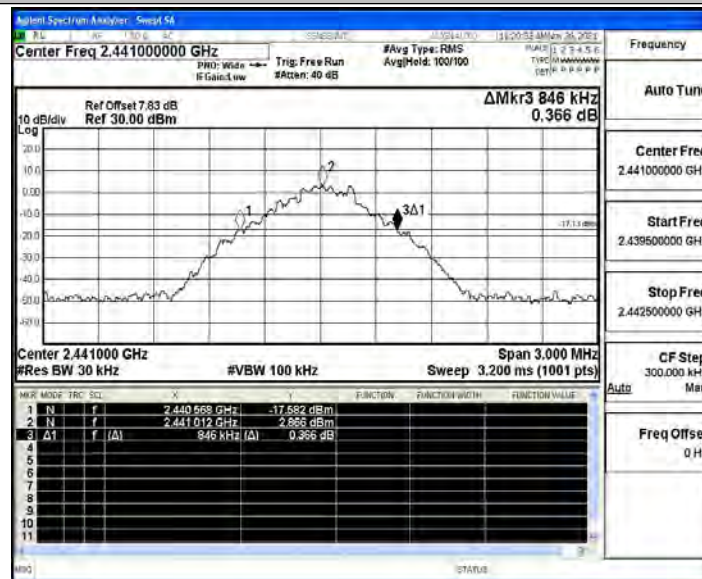


Test Graphs

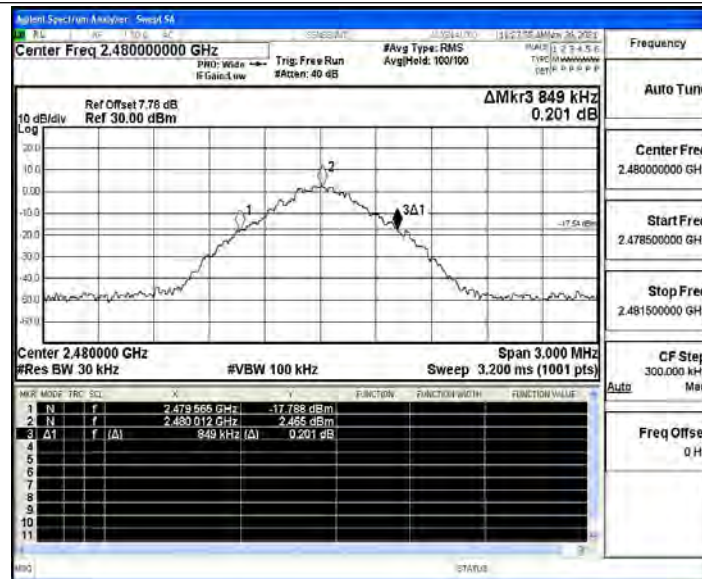
DH5_Ant1_2402



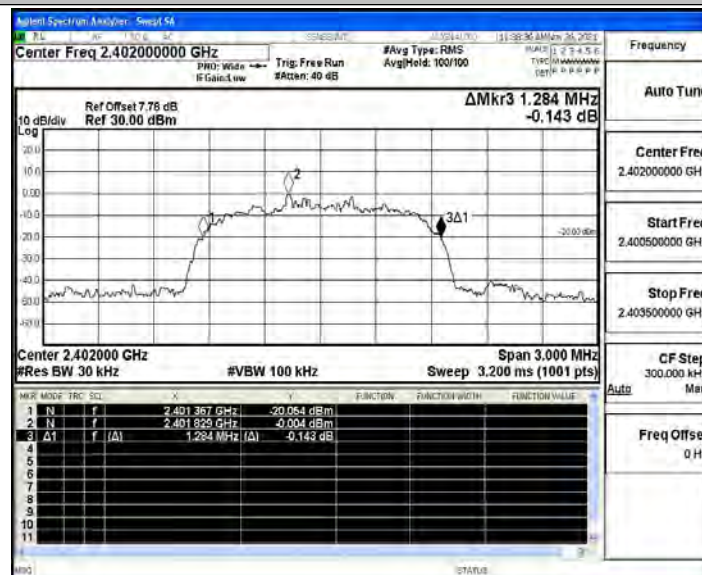
DH5_Ant1_2441



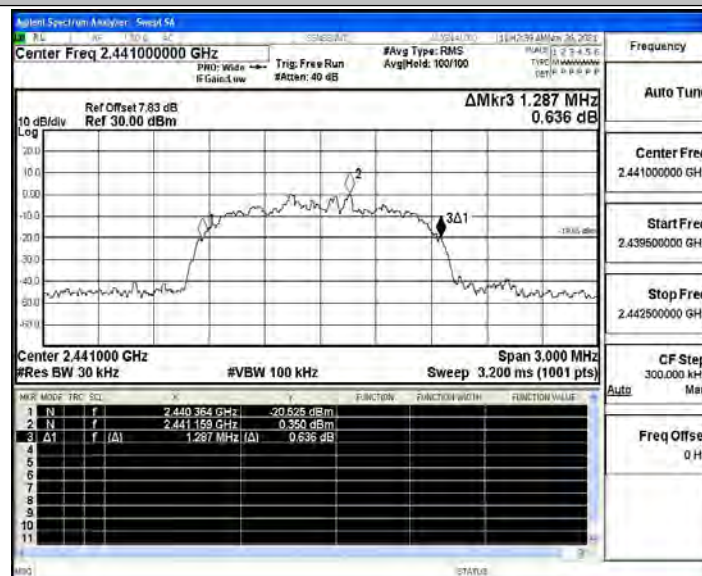
DH5_Ant1_2480



2DH5_Ant1_2402

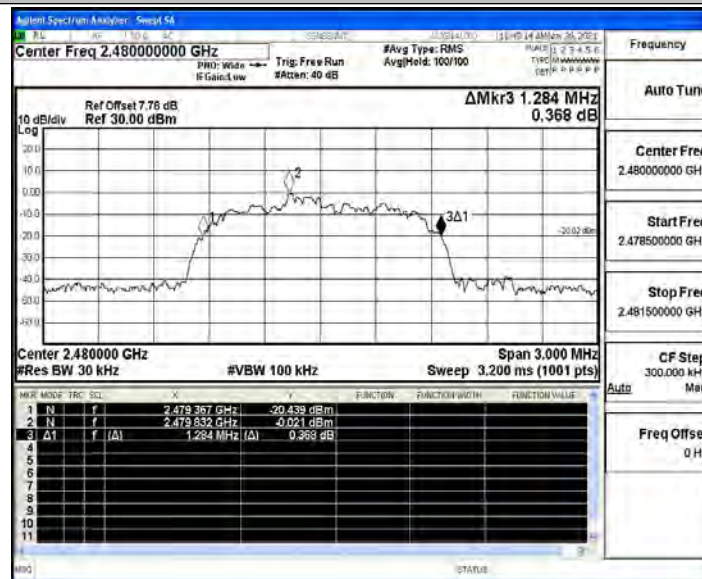


2DH5_Ant1_2441

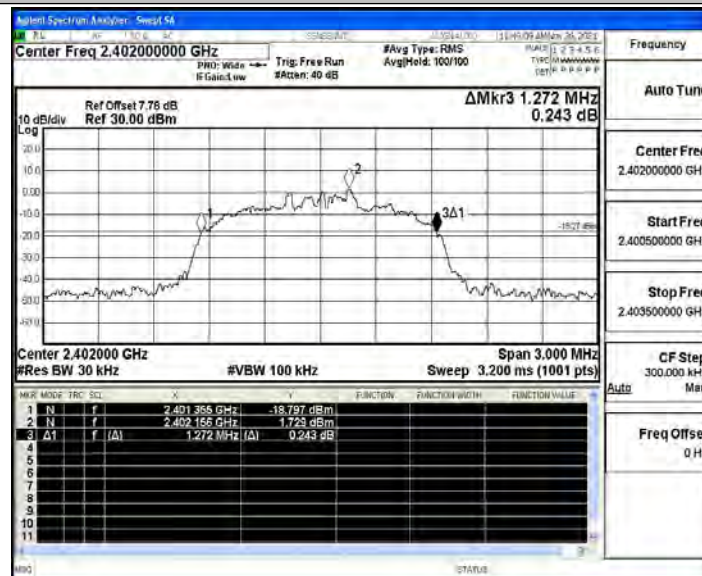




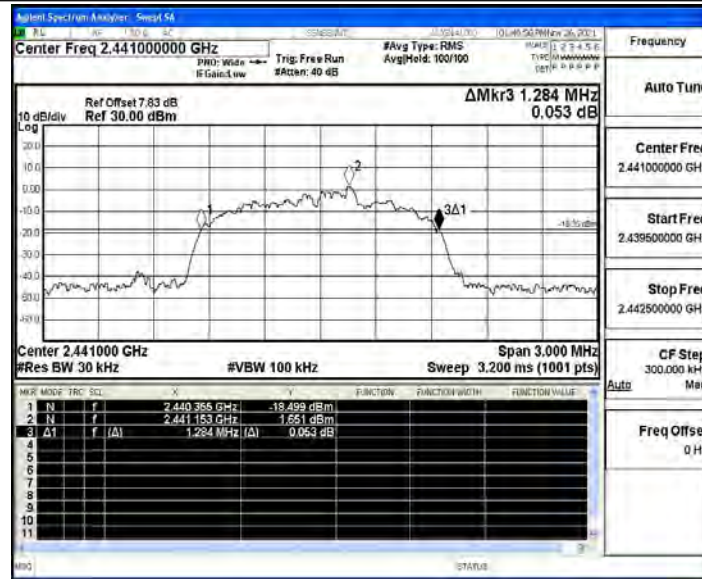
2DH5_Ant1_2480



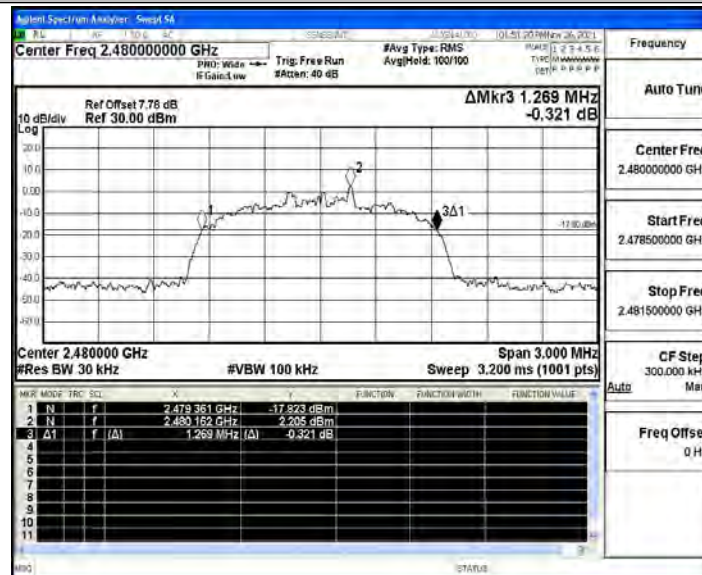
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

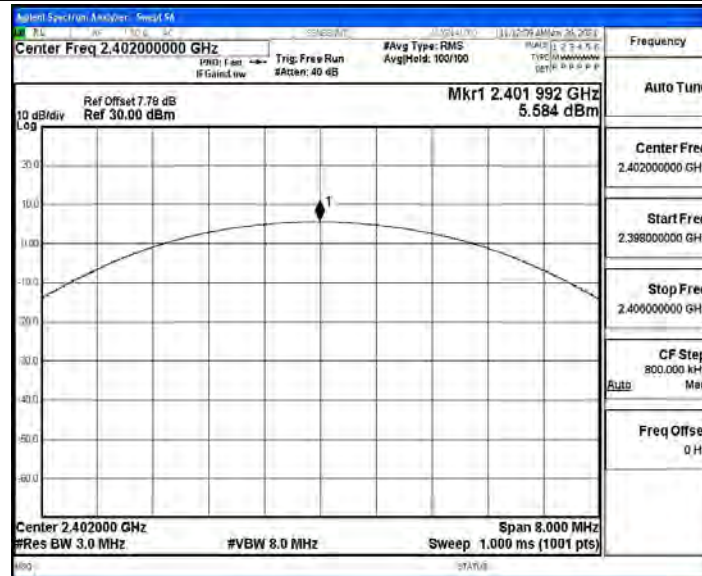
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.58	≤ 20.97	PASS
		2441	5.53	≤ 20.97	PASS
		2480	5.15	≤ 20.97	PASS
2DH5	Ant1	2402	4.66	≤ 20.97	PASS
		2441	4.72	≤ 20.97	PASS
		2480	4.33	≤ 20.97	PASS
3DH5	Ant1	2402	4.72	≤ 20.97	PASS
		2441	4.92	≤ 20.97	PASS
		2480	4.53	≤ 20.97	PASS

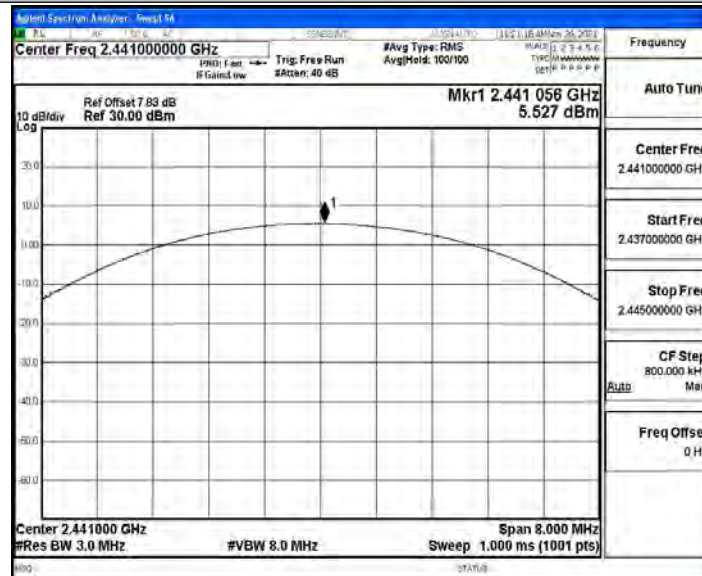


Test Graphs

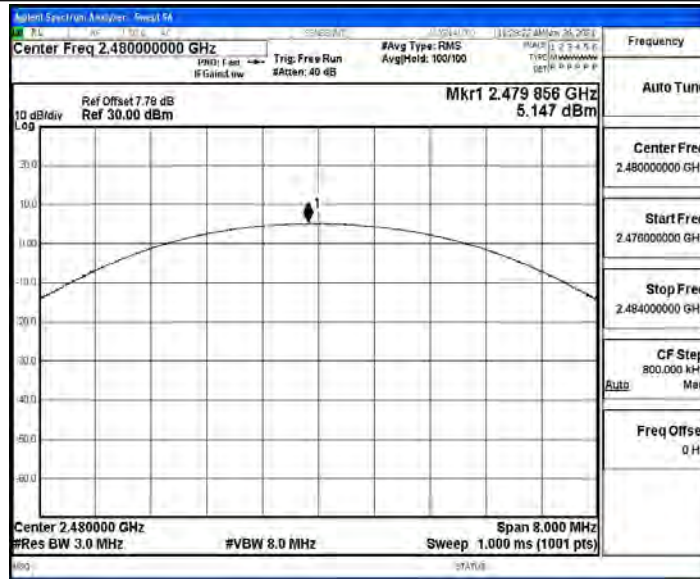
DH5_Ant1_2402



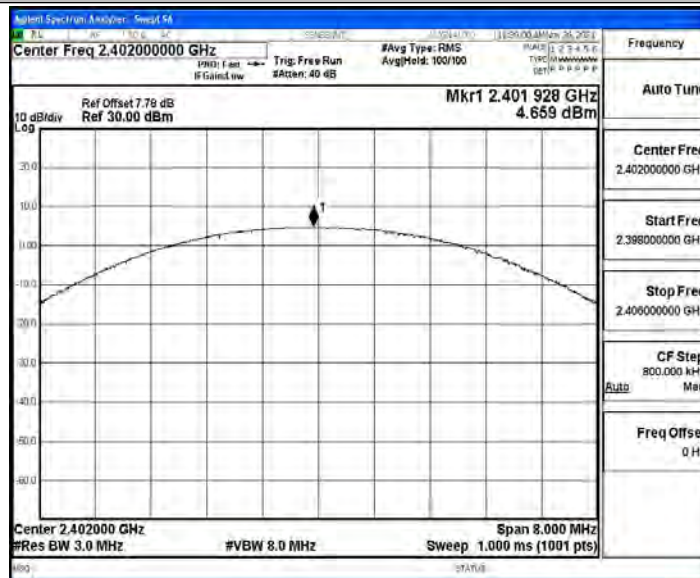
DH5_Ant1_2441



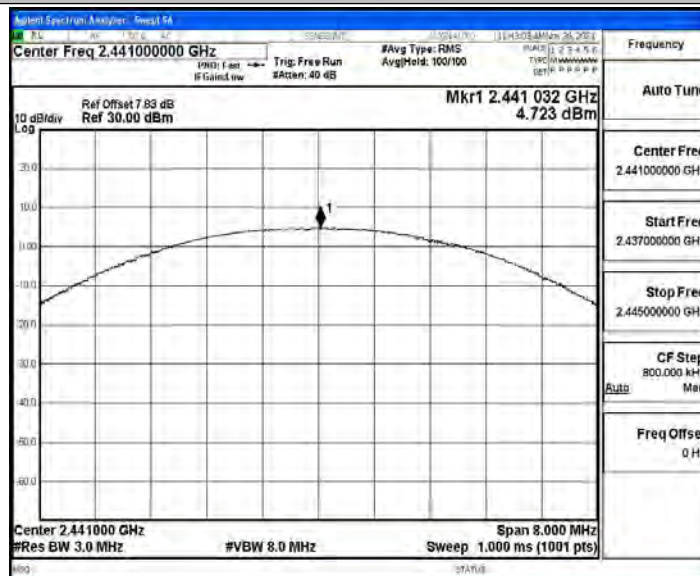
DH5_Ant1_2480



2DH5_Ant1_2402

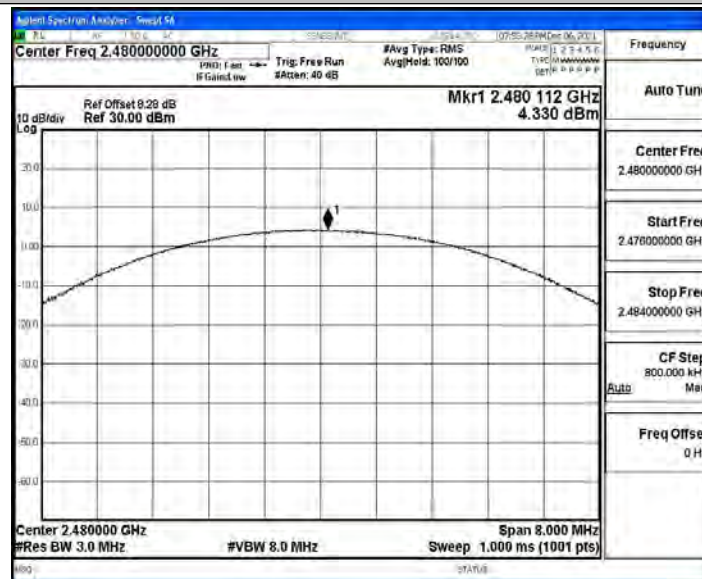


2DH5_Ant1_2441

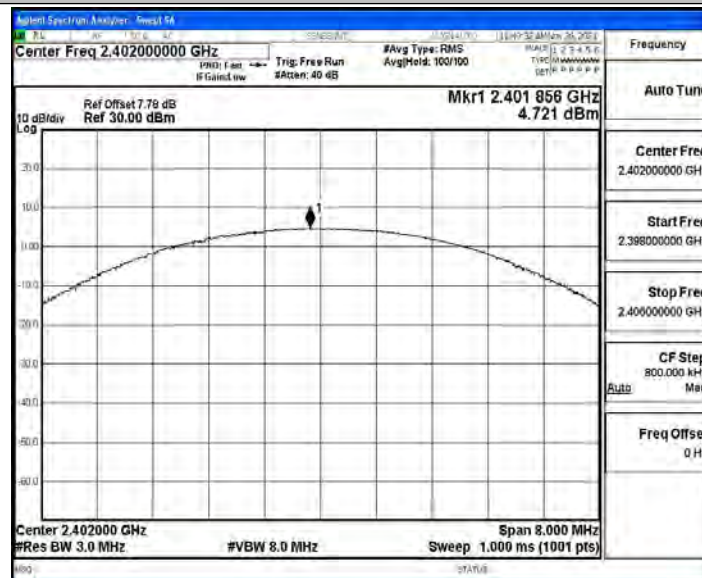




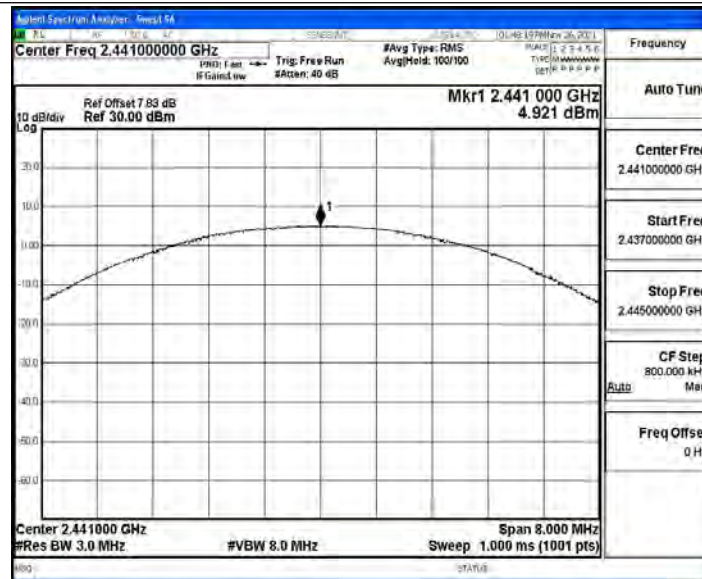
2DH5_Ant1_2480



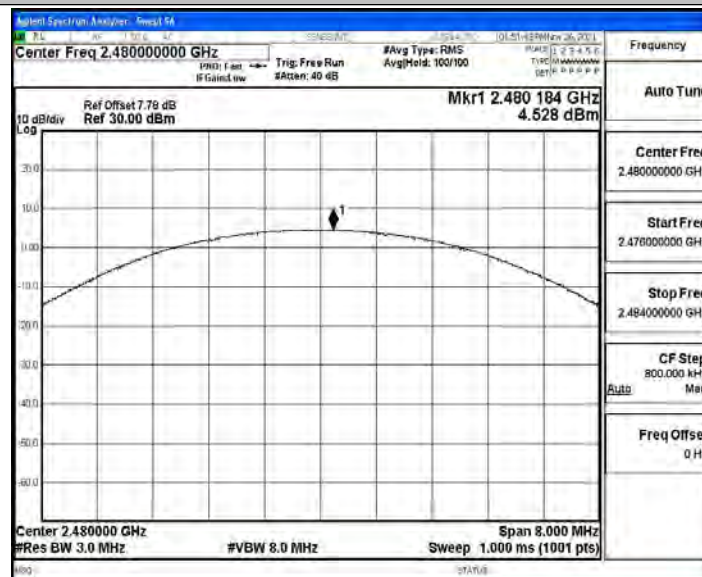
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

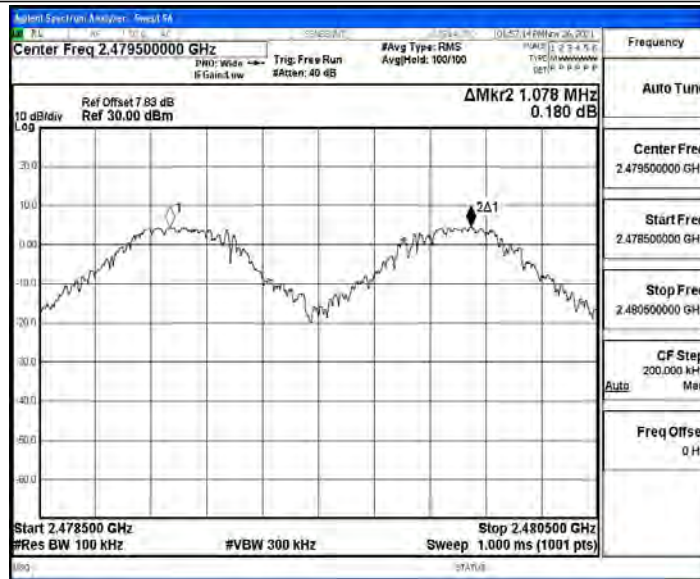
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.078	≥ 0.562	PASS
2DH5	Ant1	Hop	0.958	≥ 0.858	PASS
3DH5	Ant1	Hop	1.002	≥ 0.856	PASS

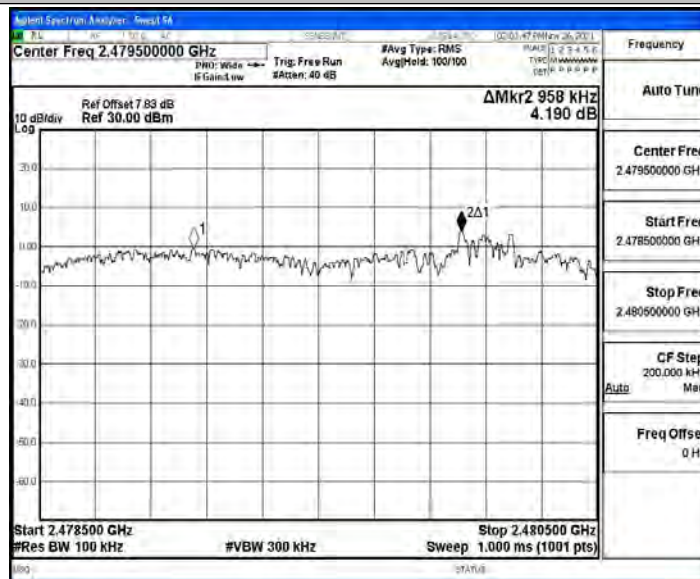


Test Graphs

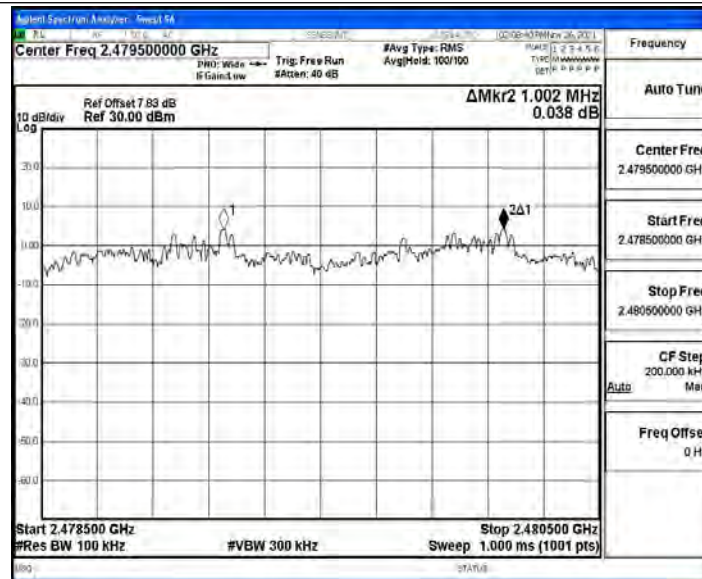
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

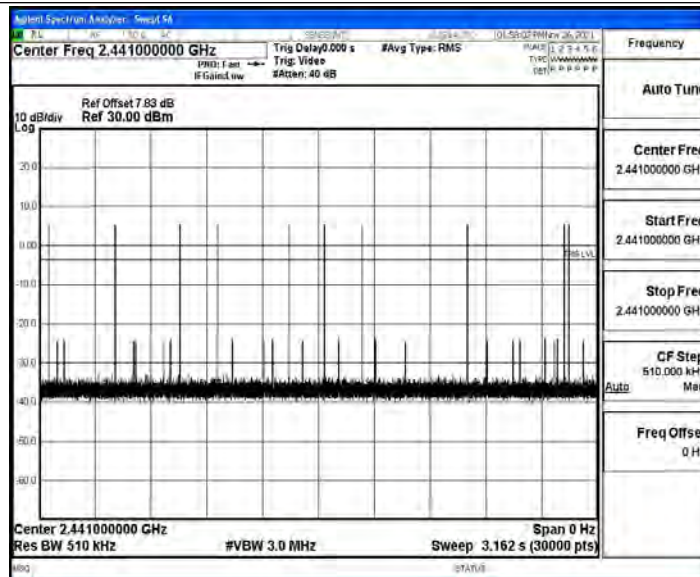
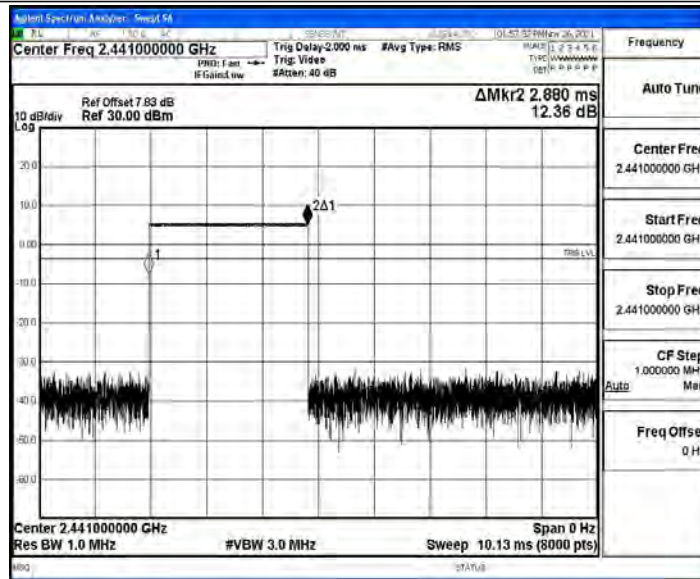
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

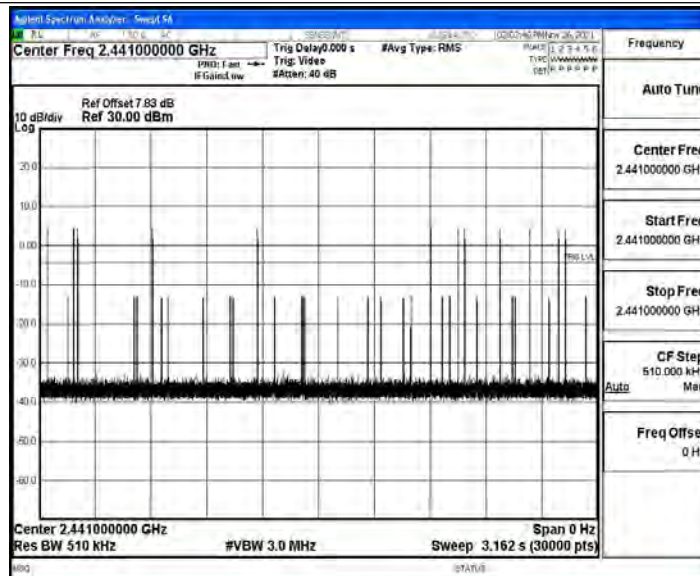
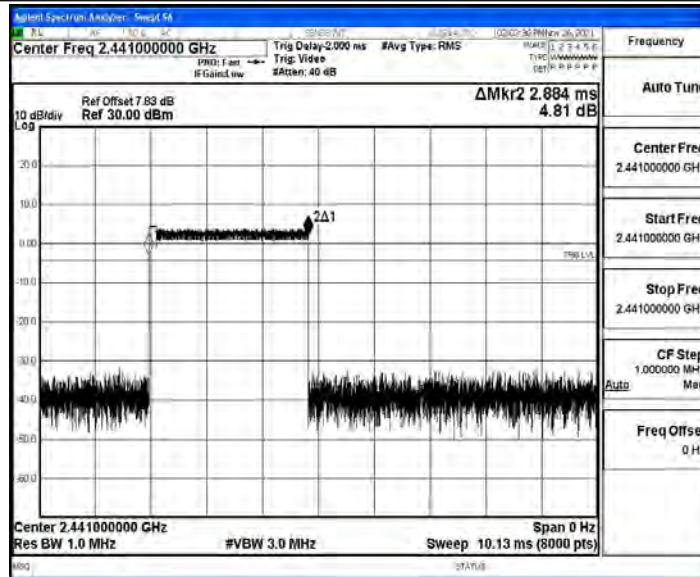


Test Graphs

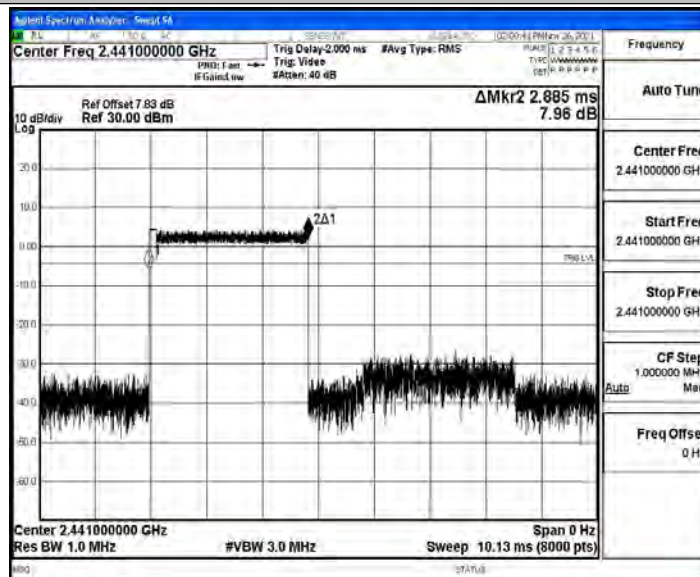
DH5_Ant1_Hop

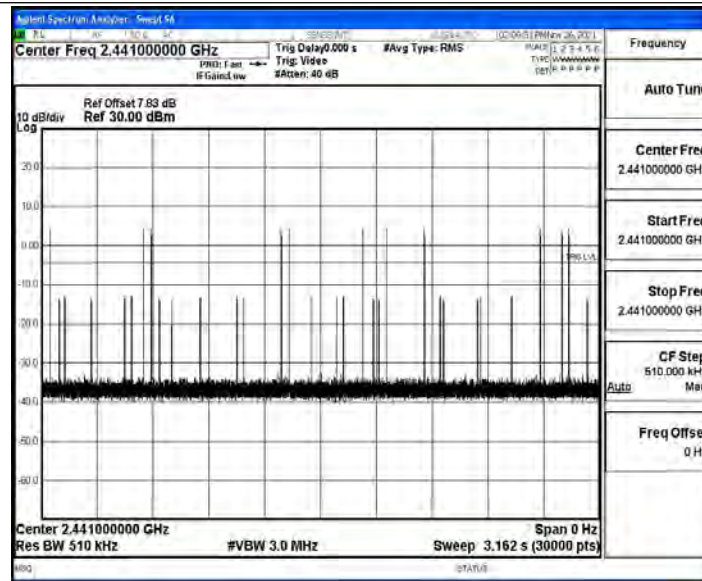


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

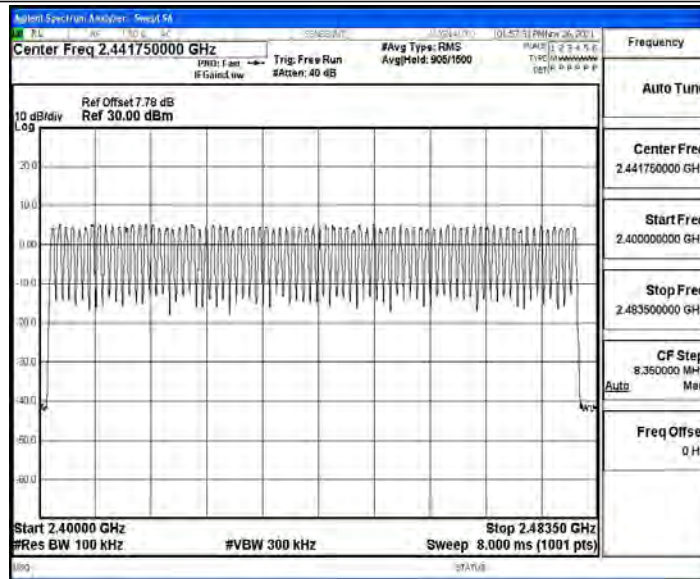
Test Result

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

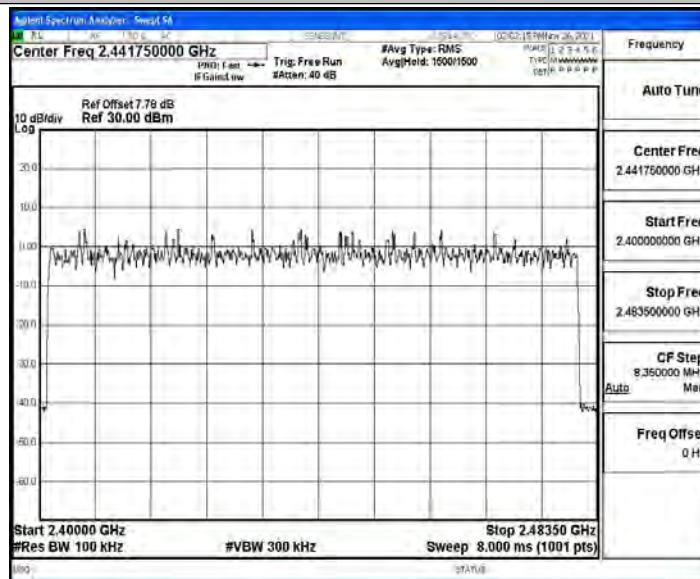


Test Graphs

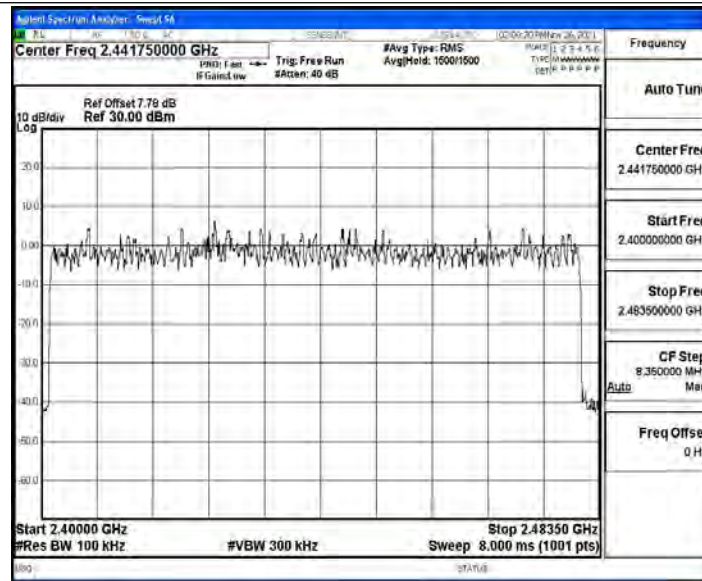
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

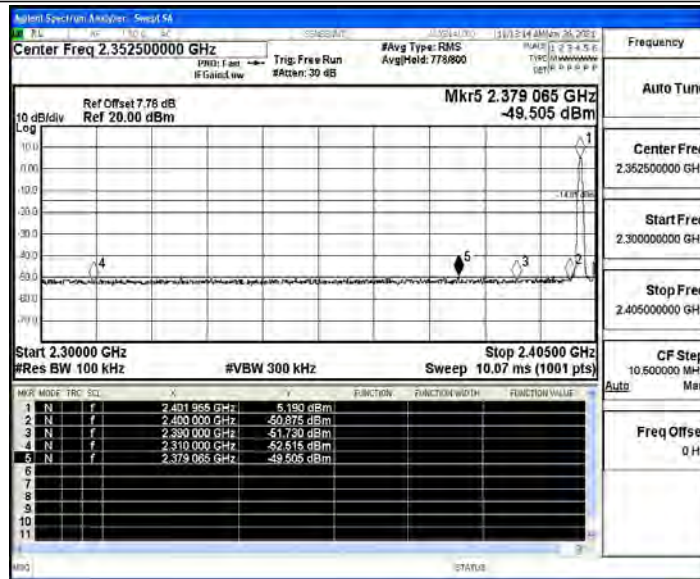
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.19	-49.51	≤ -14.81	PASS
		High	2480	3.66	-48.98	≤ -16.34	PASS
		Low	Hop_2402	4.80	-49.88	≤ -15.2	PASS
		High	Hop_2480	4.68	-48.53	≤ -15.32	PASS
2DH5	Ant1	Low	2402	-0.48	-50.57	≤ -20.48	PASS
		High	2480	-1.89	-45.13	≤ -21.89	PASS
		Low	Hop_2402	2.39	-49.71	≤ -17.61	PASS
		High	Hop_2480	2.66	-48.64	≤ -17.35	PASS
3DH5	Ant1	Low	2402	0.21	-50.86	≤ -19.79	PASS
		High	2480	-0.23	-49.86	≤ -20.23	PASS
		Low	Hop_2402	1.77	-50	≤ -18.23	PASS
		High	Hop_2480	1.94	-48.67	≤ -18.06	PASS

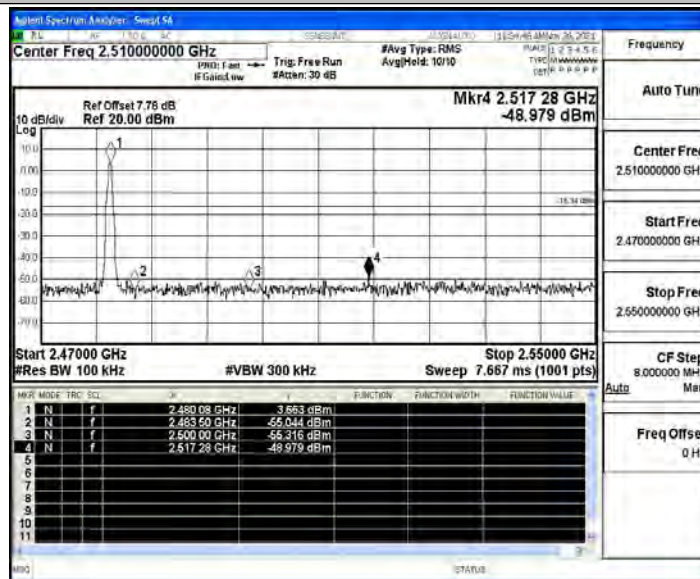


Test Graphs

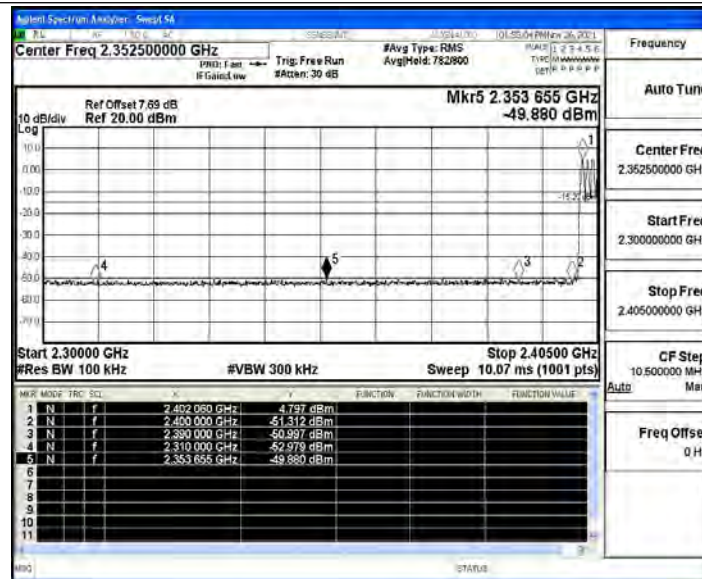
DH5_Ant1_Low_2402



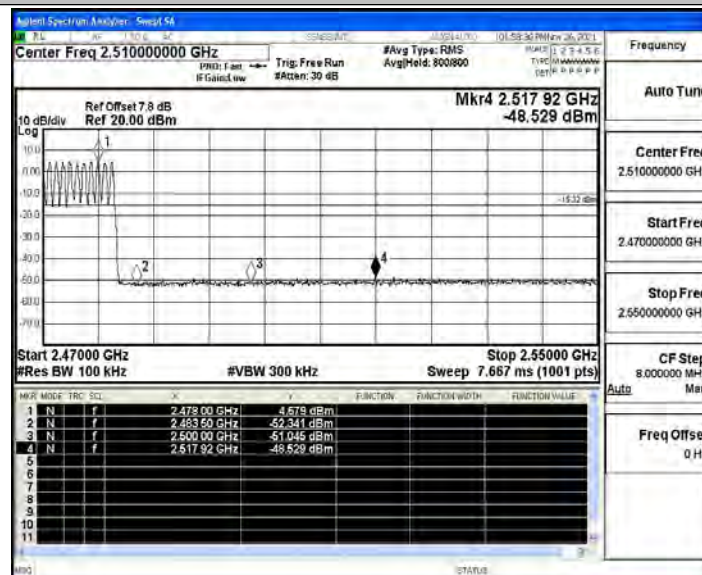
DH5_Ant1_High_2480



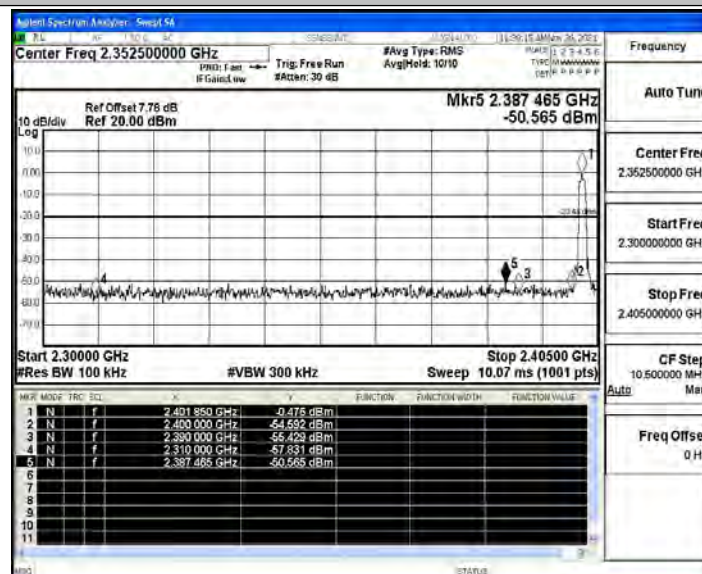
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

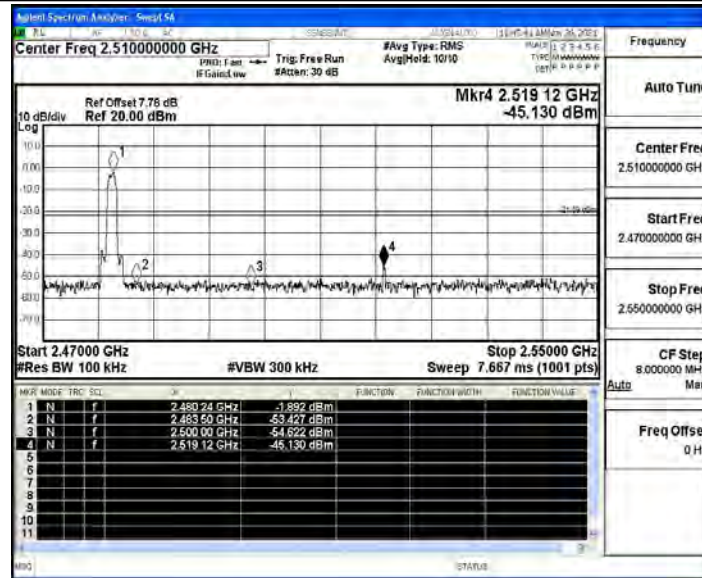


2DH5_Ant1_Low_2402

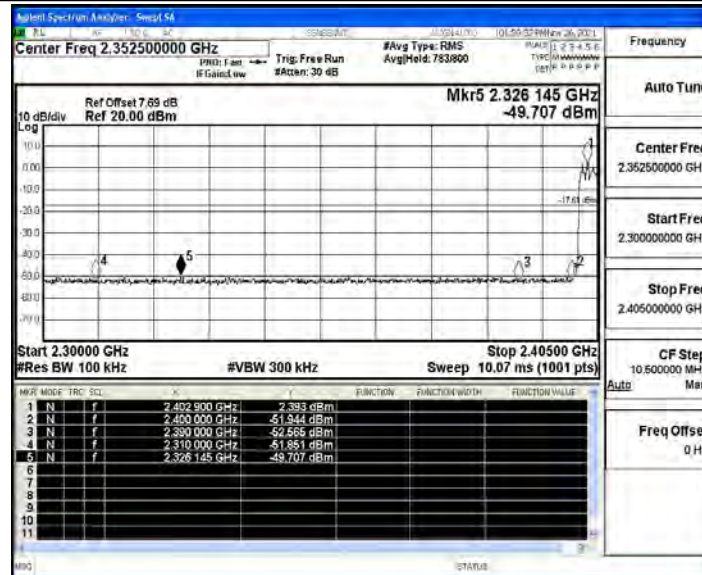




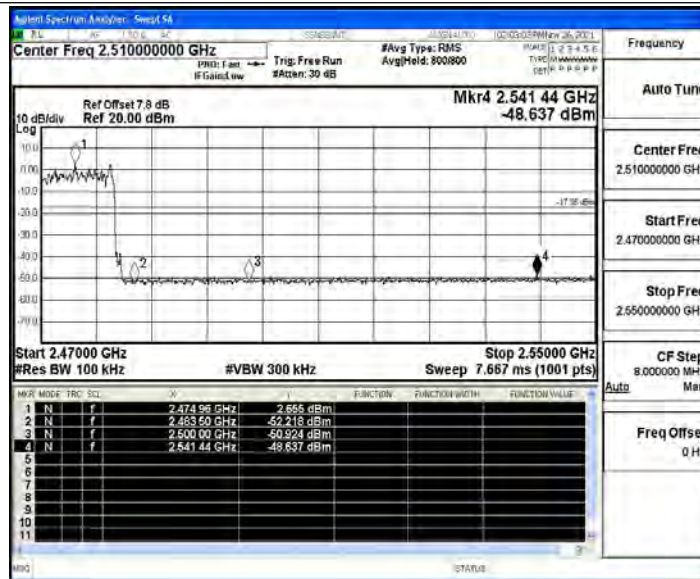
2DH5_Ant1_High_2480



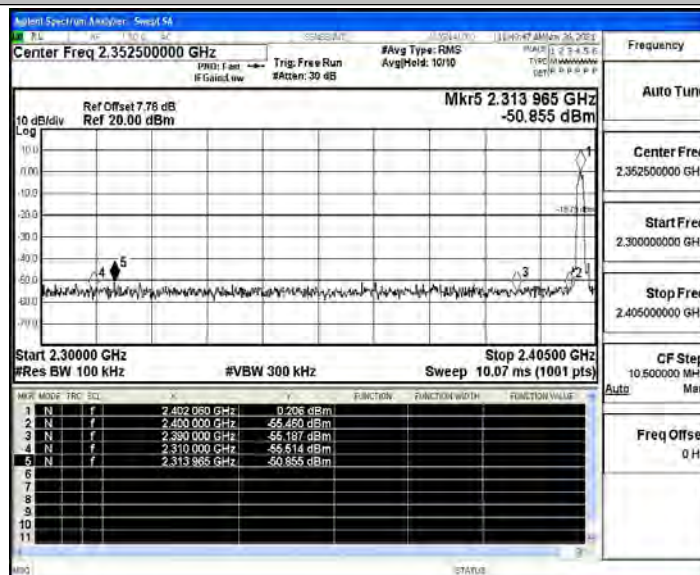
2DH5_Ant1_Low_Hop_2402



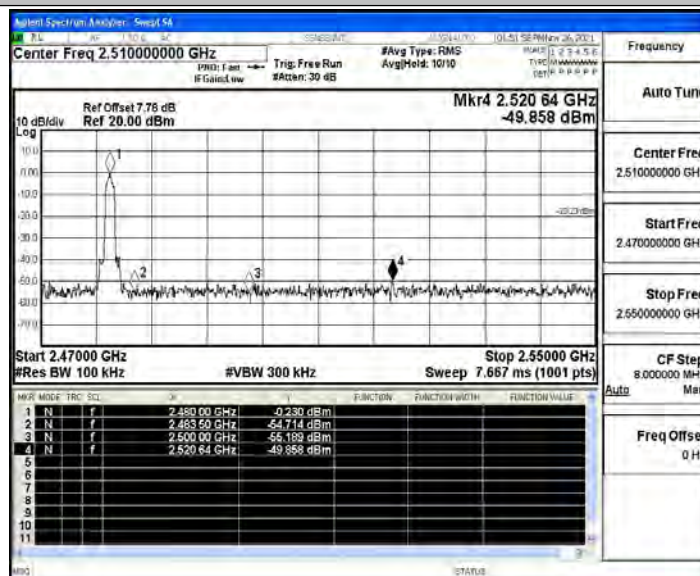
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

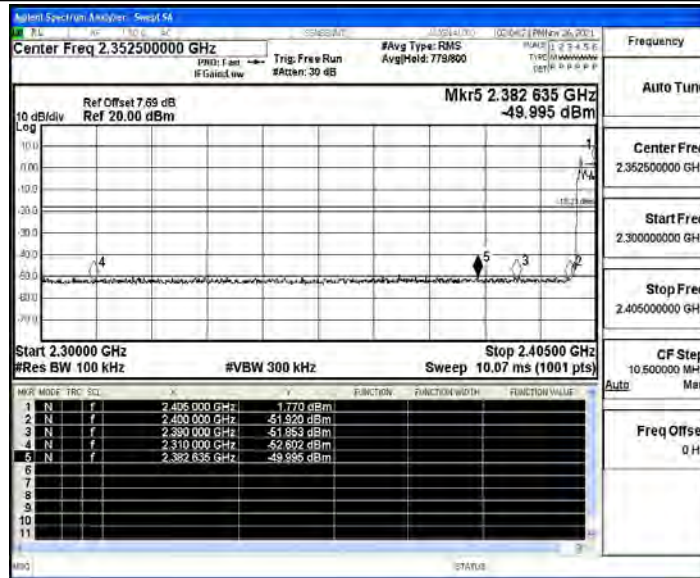


3DH5_Ant1_High_2480

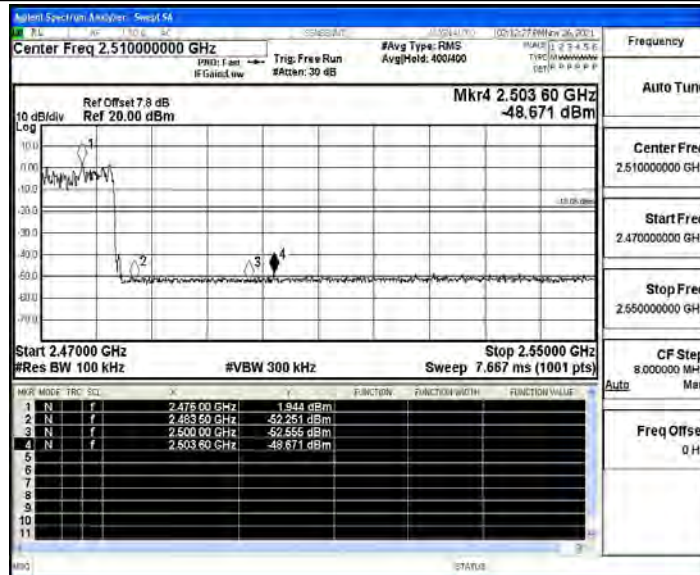




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

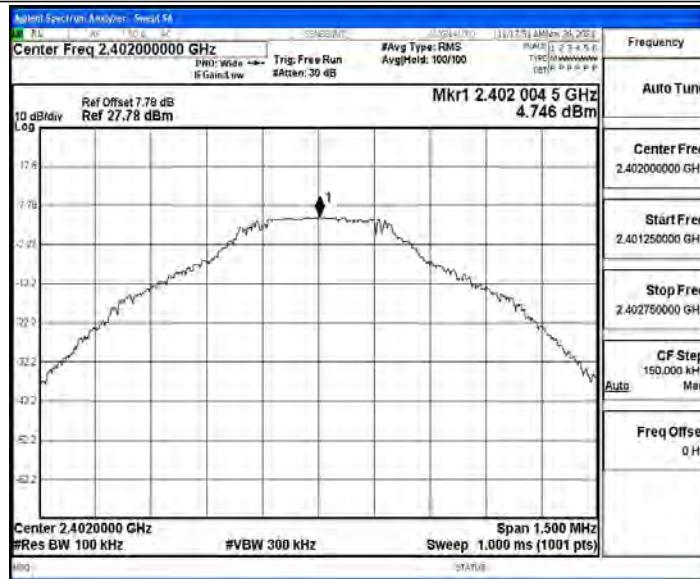
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-61.52	≤ -15.25	PASS
			1000~26500	4.75	-42.66	≤ -15.25	PASS
		2441	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-61.27	≤ -15.4	PASS
			1000~26500	4.60	-46.35	≤ -15.4	PASS
		2480	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-60.56	≤ -15.4	PASS
			1000~26500	4.60	-46.67	≤ -15.4	PASS
2DH5	Ant1	2402	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-61.88	≤ -16.43	PASS
			1000~26500	3.57	-46.7	≤ -16.43	PASS
		2441	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-60.77	≤ -15.59	PASS
			1000~26500	4.41	-47.19	≤ -15.59	PASS
		2480	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-61.02	≤ -17.31	PASS
			1000~26500	2.70	-47.22	≤ -17.31	PASS
3DH5	Ant1	2402	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-61.22	≤ -19.82	PASS
			1000~26500	0.19	-47.1	≤ -19.82	PASS
		2441	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-59.81	≤ -15.52	PASS
			1000~26500	4.48	-47.43	≤ -15.52	PASS
		2480	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-61.25	≤ -15.89	PASS
			1000~26500	4.11	-46.91	≤ -15.89	PASS

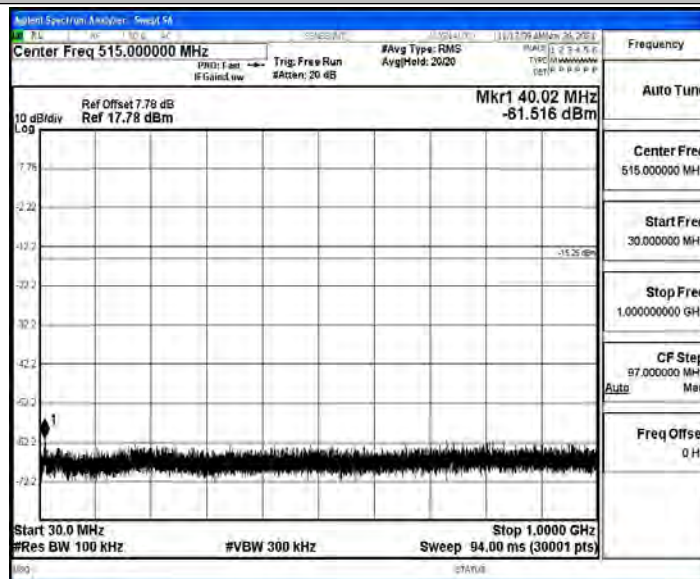


Test Graphs

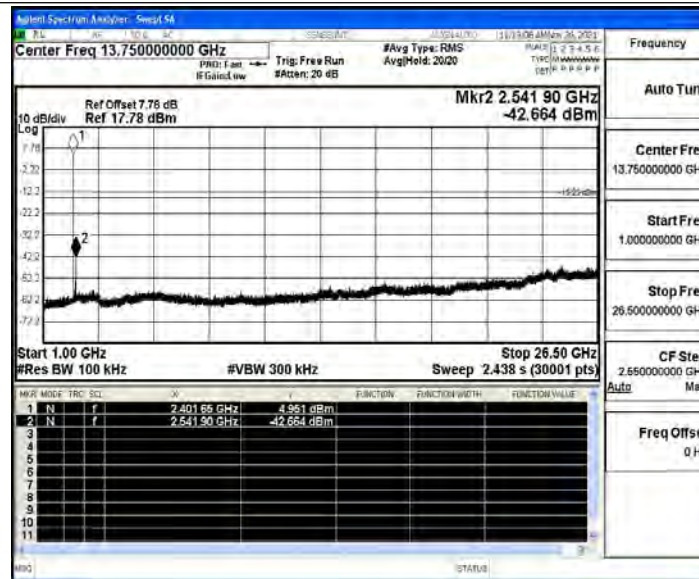
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



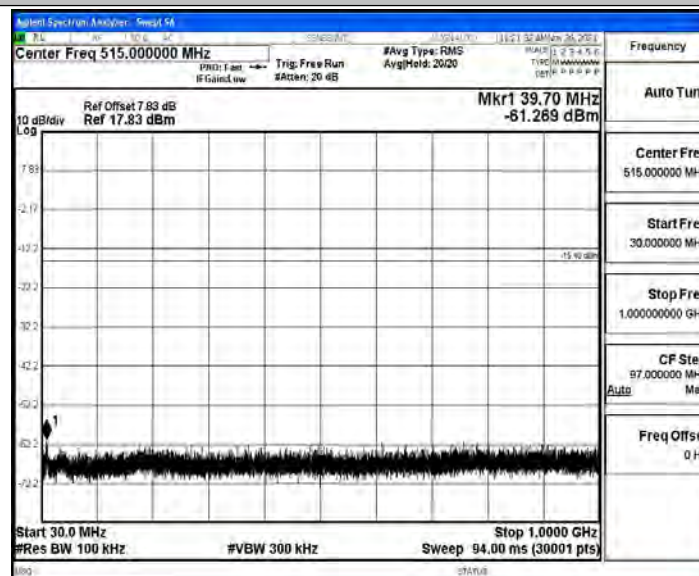
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference

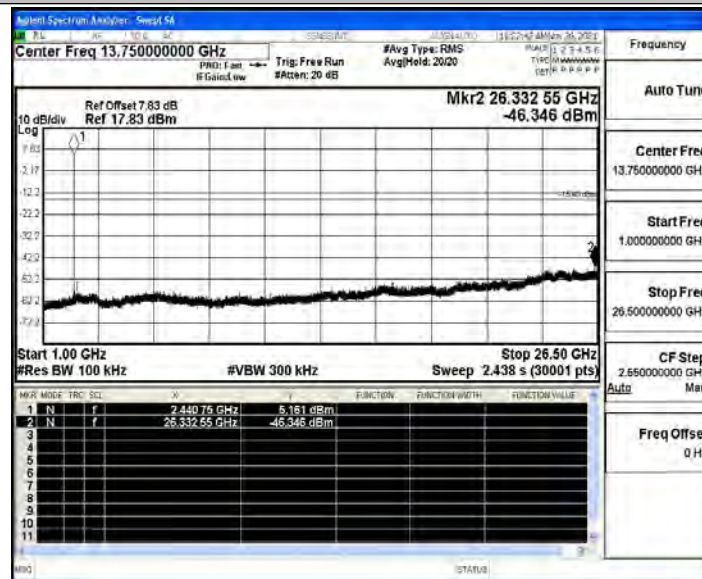


DH5_Ant1_2441_30~1000

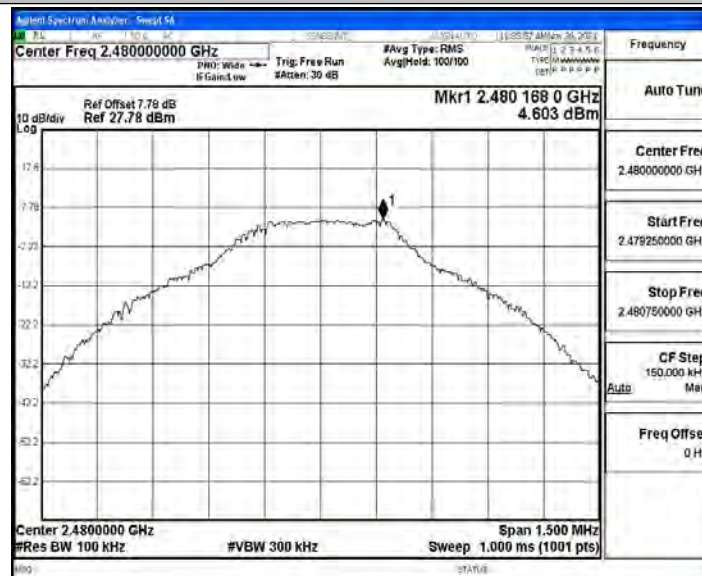




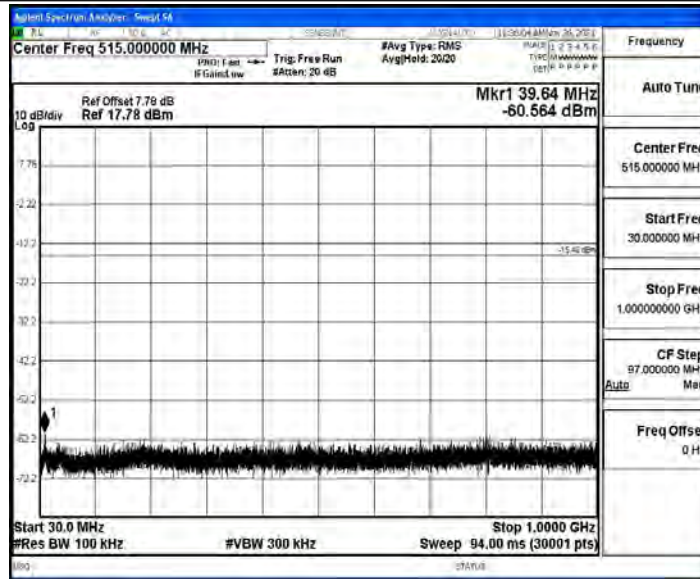
DH5_Ant1_2441_1000~26500



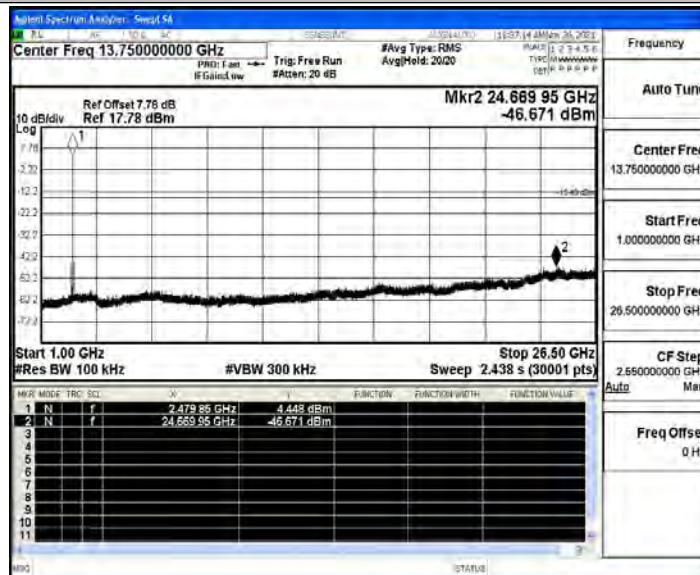
DH5_Ant1_2480_0~Reference



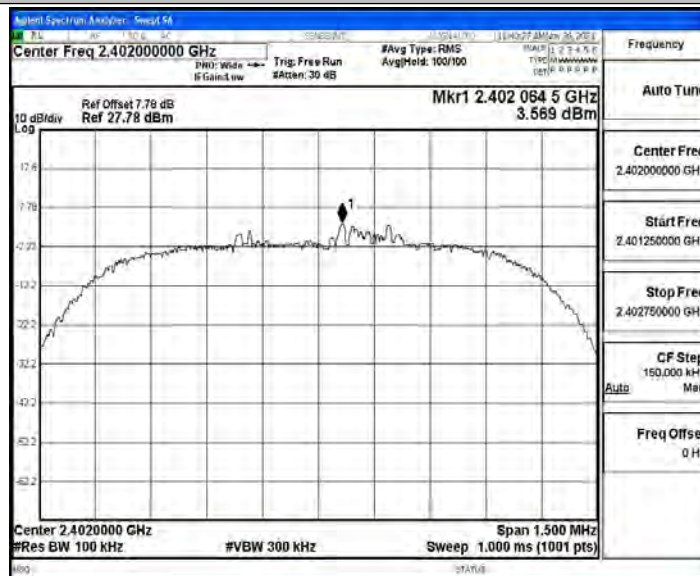
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

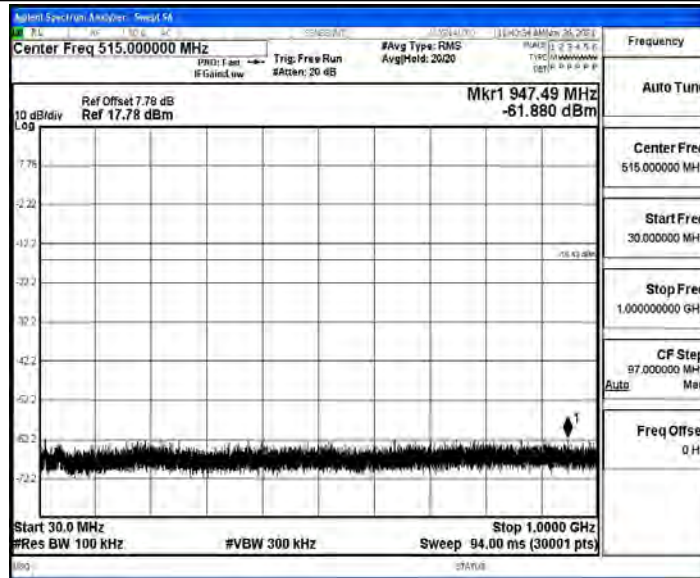


2DH5_Ant1_2402_0~Reference

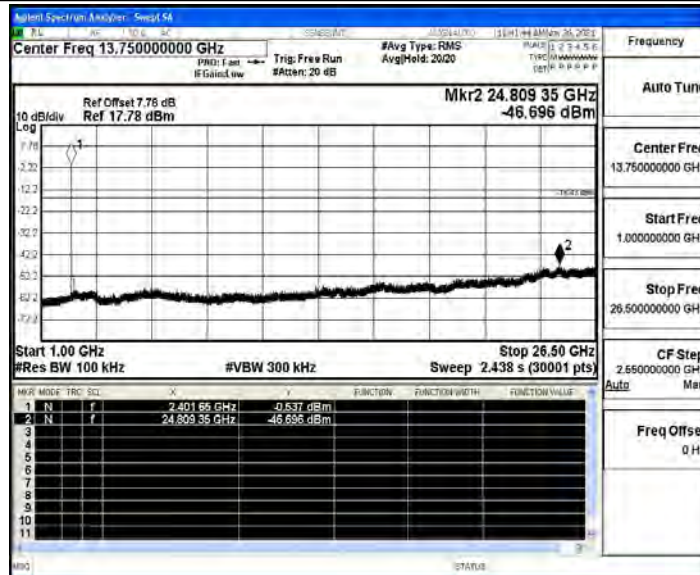




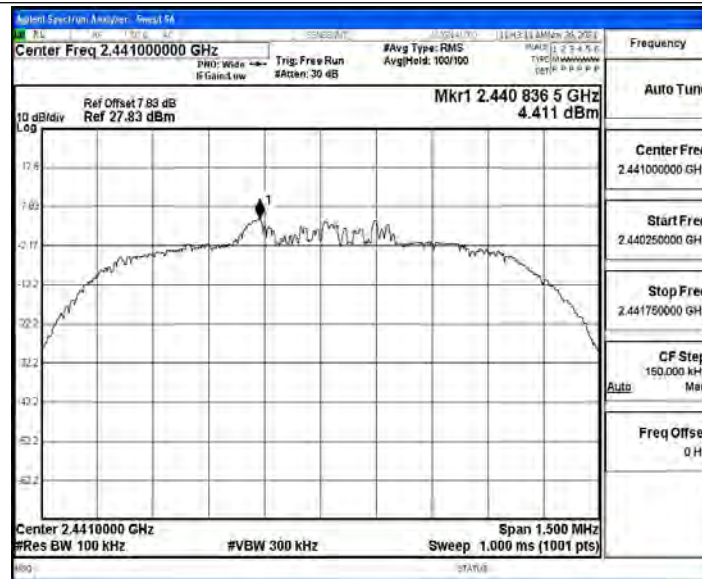
2DH5_Ant1_2402_30~1000



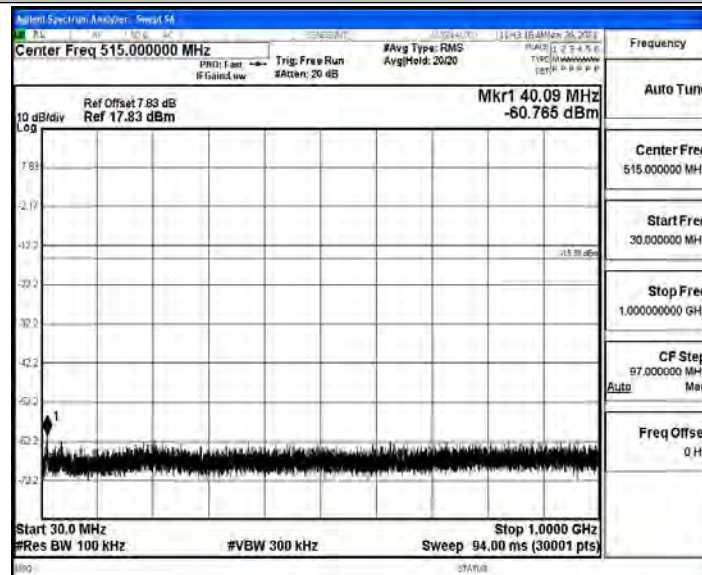
2DH5_Ant1_2402_1000~26500



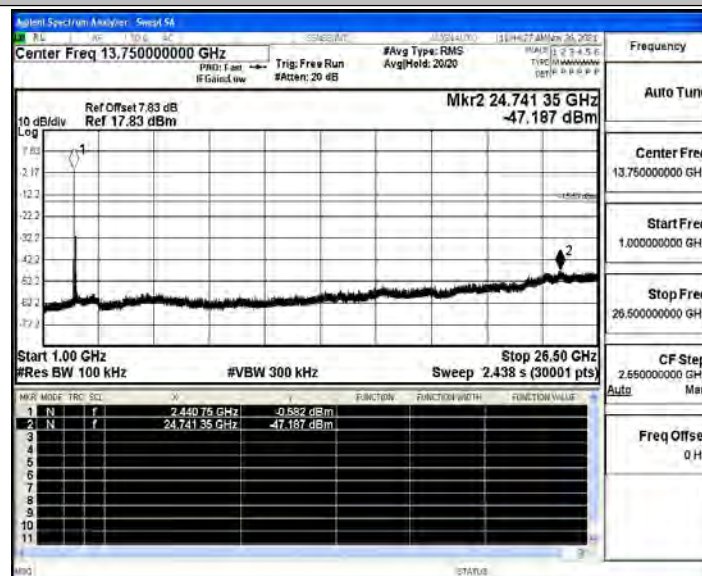
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

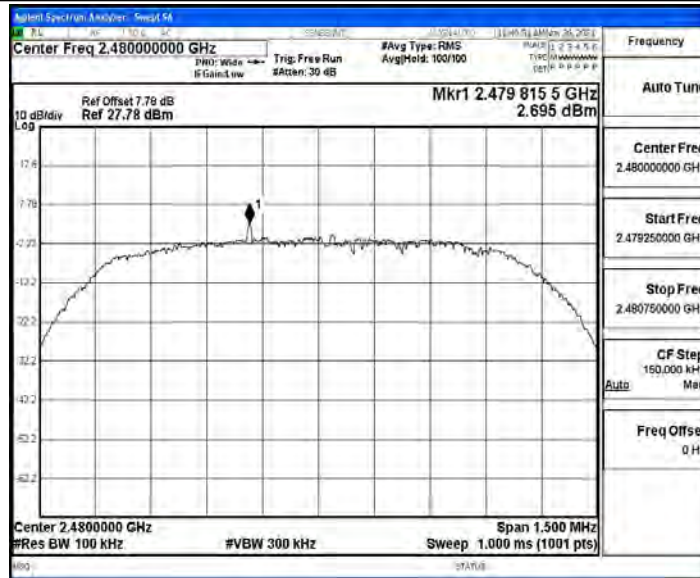


2DH5_Ant1_2441_1000~26500

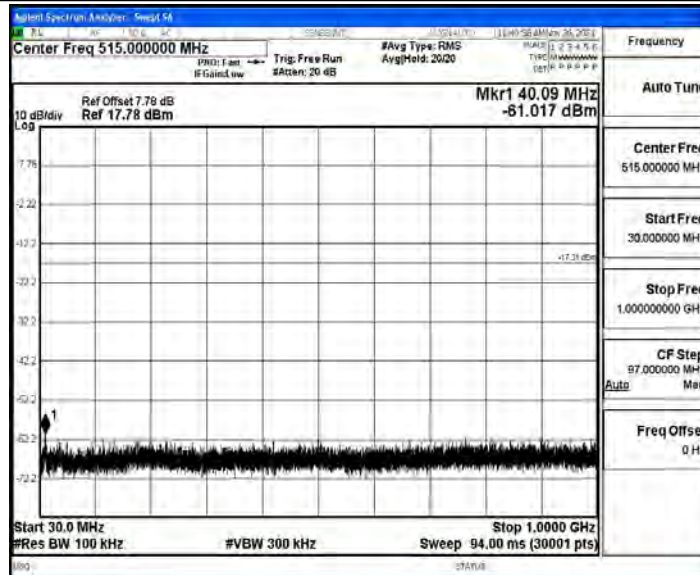




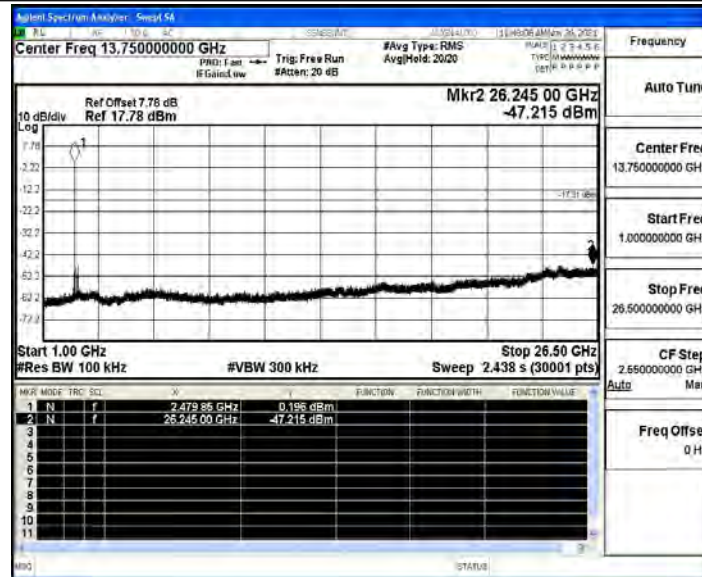
2DH5_Ant1_2480_0~Reference



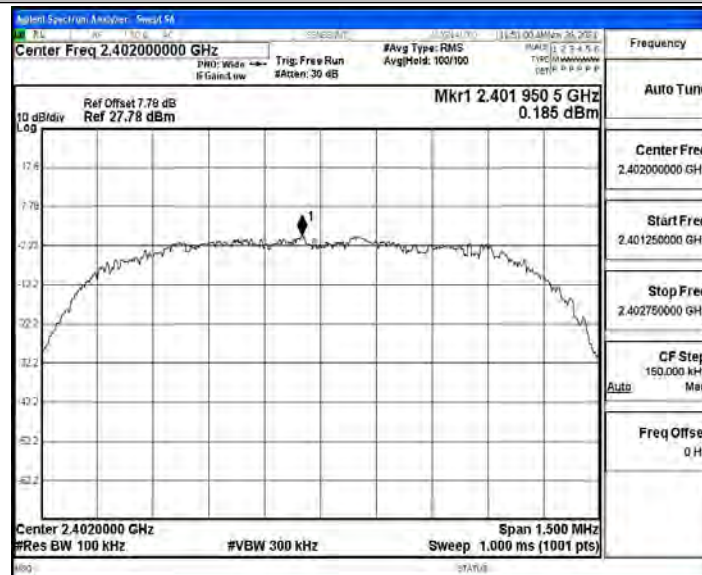
2DH5_Ant1_2480_30~1000



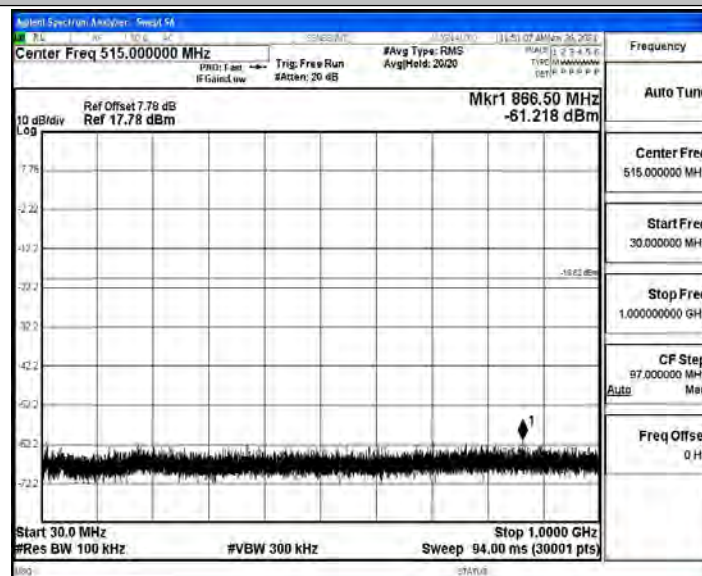
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

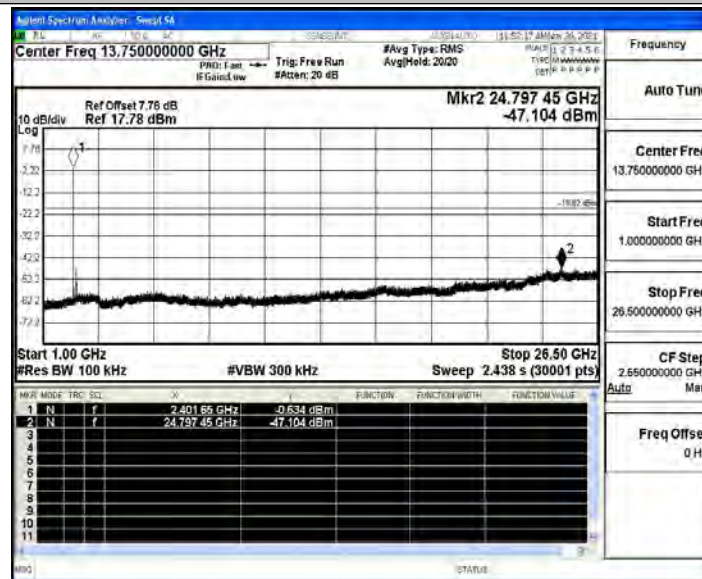


3DH5_Ant1_2402_30~1000

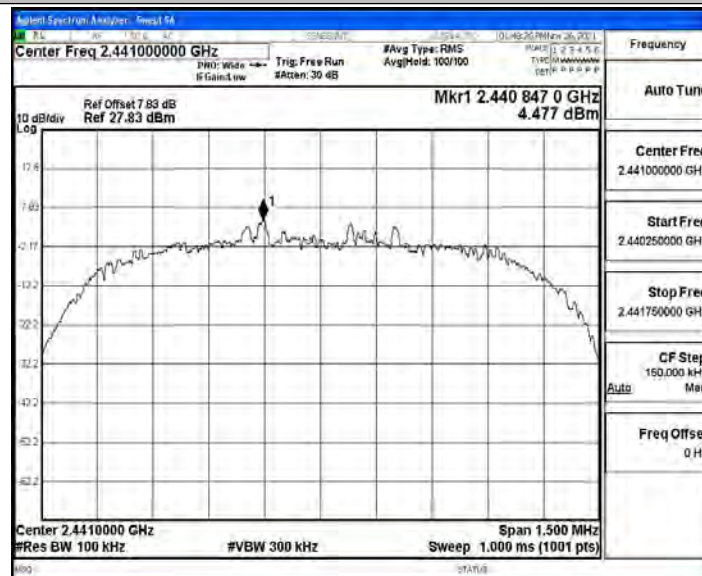




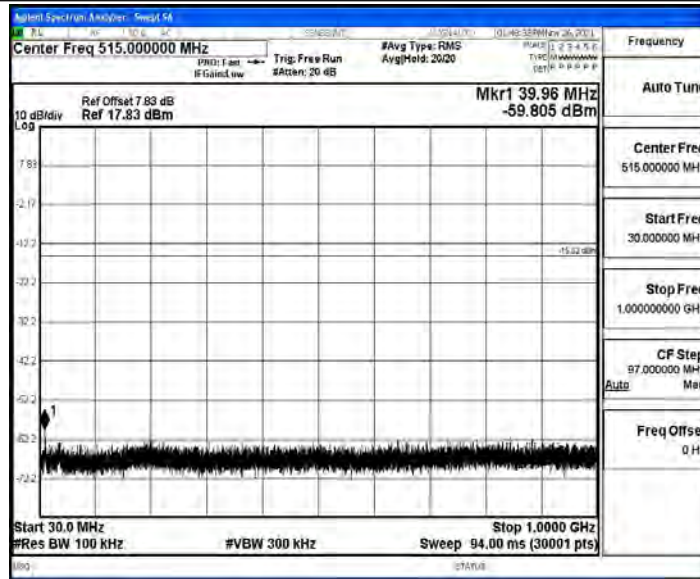
3DH5_Ant1_2402_1000~26500



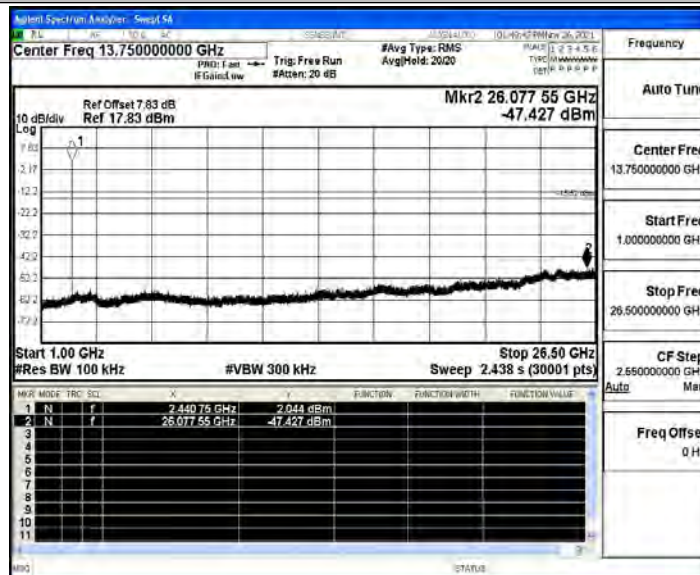
3DH5_Ant1_2441_0~Reference



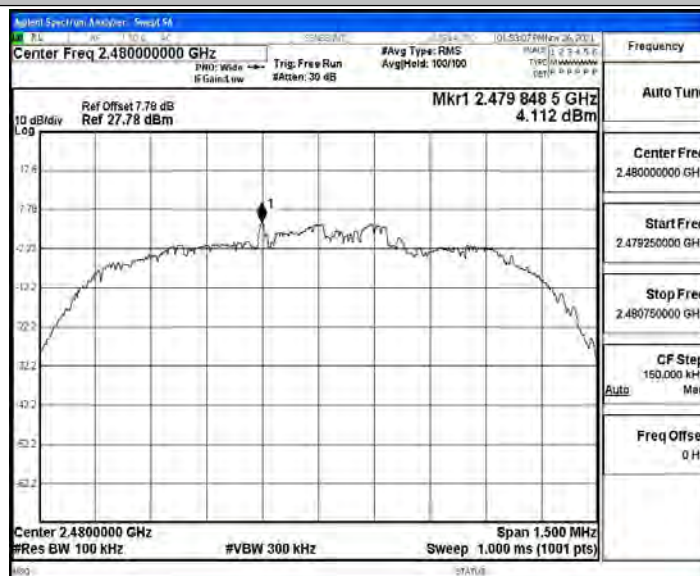
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

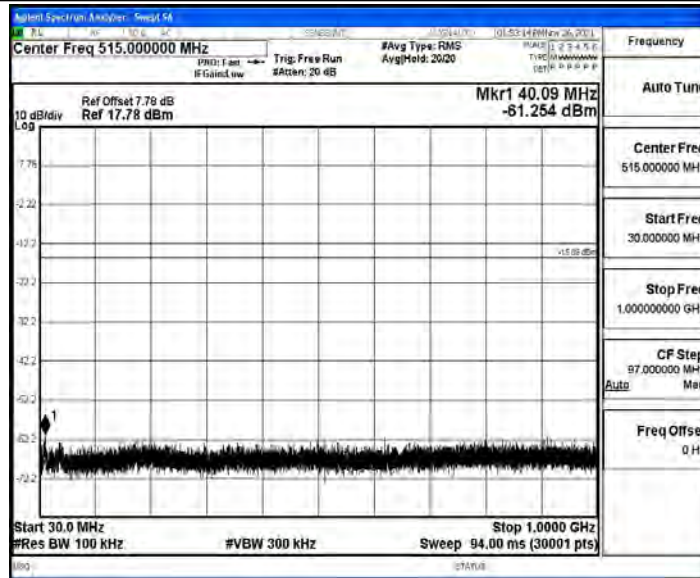


3DH5_Ant1_2480_0~Reference

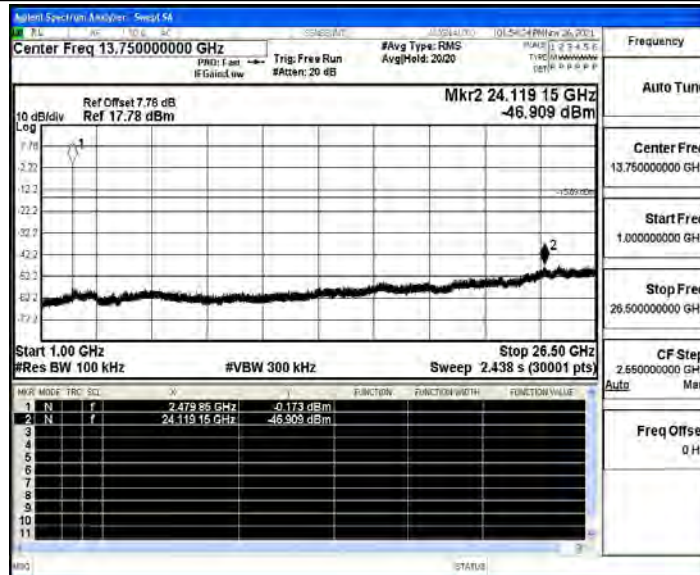




3DH5_Ant1_2480_30~1000



3DH5_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	-49	≤-41.20	46.20	≤54	PASS
				AV	2379.485	-48.34	≤-41.20	46.86	≤54	PASS
				AV	2390.000	-48.6	≤-41.20	46.60	≤54	PASS
				Peak	2310.000	-41.12	≤-21.20	54.08	≤74	PASS
				Peak	2360.900	-37.89	≤-21.20	57.31	≤74	PASS
				Peak	2390.000	-40.84	≤-21.20	54.36	≤74	PASS
		High	2480	AV	2483.500	-47.59	≤-41.20	47.61	≤54	PASS
				AV	2483.520	-47.59	≤-41.20	47.61	≤54	PASS
				AV	2500.000	-48.17	≤-41.20	47.03	≤54	PASS
				Peak	2483.500	-42.13	≤-21.20	53.07	≤74	PASS
				Peak	2485.680	-39.15	≤-21.20	56.05	≤74	PASS
				Peak	2500.000	-41.4	≤-21.20	53.80	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.95	≤-21.20	54.25	≤74	PASS
				Peak	2363.840	-37.46	≤-21.20	57.74	≤74	PASS
				Peak	2390.000	-40.5	≤-21.20	54.70	≤74	PASS
		High	Hop_2480	Peak	2483.500	-40.52	≤-21.20	54.68	≤74	PASS
				Peak	2497.680	-37.15	≤-21.20	58.05	≤74	PASS
				Peak	2500.000	-39.65	≤-21.20	55.55	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.93	≤-41.20	46.27	≤54	PASS
				AV	2386.835	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2390.000	-48.69	≤-41.20	46.51	≤54	PASS
				Peak	2310.000	-43.01	≤-21.20	52.19	≤74	PASS
				Peak	2388.410	-39.3	≤-21.20	55.90	≤74	PASS
				Peak	2390.000	-42.81	≤-21.20	52.39	≤74	PASS
		High	2480	AV	2483.500	-47.54	≤-41.20	47.66	≤54	PASS
				AV	2483.520	-47.54	≤-41.20	47.66	≤54	PASS
				AV	2500.000	-48.12	≤-41.20	47.08	≤54	PASS
				Peak	2483.500	-41.62	≤-21.20	53.58	≤74	PASS
				Peak	2487.440	-36.98	≤-21.20	58.22	≤74	PASS
				Peak	2500.000	-41.39	≤-21.20	53.81	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.88	≤-21.20	54.32	≤74	PASS
				Peak	2368.355	-37.79	≤-21.20	57.41	≤74	PASS
				Peak	2390.000	-41.36	≤-21.20	53.84	≤74	PASS
		High	Hop_2480	Peak	2483.500	-38.48	≤-21.20	56.72	≤74	PASS
				Peak	2487.360	-35.53	≤-21.20	59.67	≤74	PASS
				Peak	2500.000	-39.91	≤-21.20	55.29	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.15	≤-41.20	46.05	≤54	PASS



				AV	2389.670	-48.57	≤ -41.20	46.63	≤ 54	PASS
				AV	2390.000	-48.73	≤ -41.20	46.47	≤ 54	PASS
				Peak	2310.000	-43.69	≤ -21.20	51.51	≤ 74	PASS
				Peak	2383.370	-38.95	≤ -21.20	56.25	≤ 74	PASS
				Peak	2390.000	-42.95	≤ -21.20	52.25	≤ 74	PASS
		High	2480	AV	2483.500	-47.53	≤ -41.20	47.67	≤ 54	PASS
				AV	2483.520	-47.53	≤ -41.20	47.67	≤ 54	PASS
				AV	2500.000	-48.15	≤ -41.20	47.05	≤ 54	PASS
				Peak	2483.500	-41.13	≤ -21.20	54.07	≤ 74	PASS
				Peak	2487.840	-38.61	≤ -21.20	56.59	≤ 74	PASS
				Peak	2500.000	-41.26	≤ -21.20	53.94	≤ 74	PASS
		Low	Hop_24 02	Peak	2310.000	-40.34	≤ -21.20	54.86	≤ 74	PASS
				Peak	2371.295	-38.35	≤ -21.20	56.85	≤ 74	PASS
				Peak	2390.000	-40.79	≤ -21.20	54.41	≤ 74	PASS
		High	Hop_24 80	Peak	2483.500	-39.86	≤ -21.20	55.34	≤ 74	PASS
				Peak	2494.720	-37.84	≤ -21.20	57.36	≤ 74	PASS
				Peak	2500.000	-40.95	≤ -21.20	54.25	≤ 74	PASS

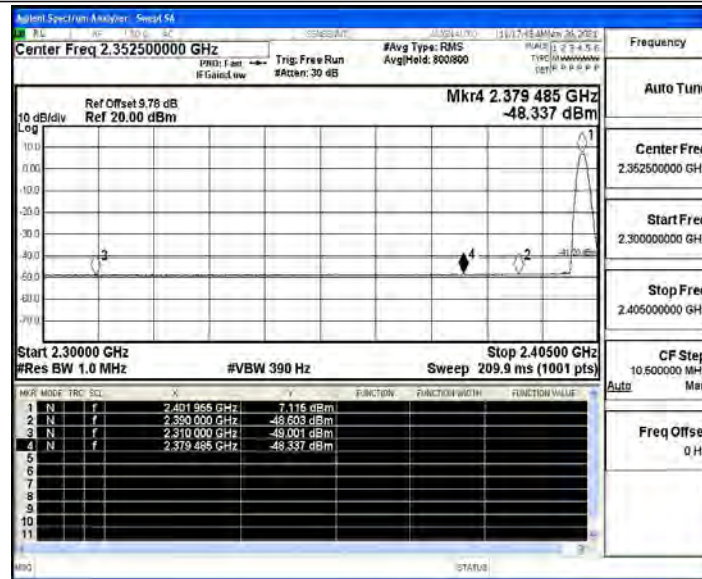
Note:

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.

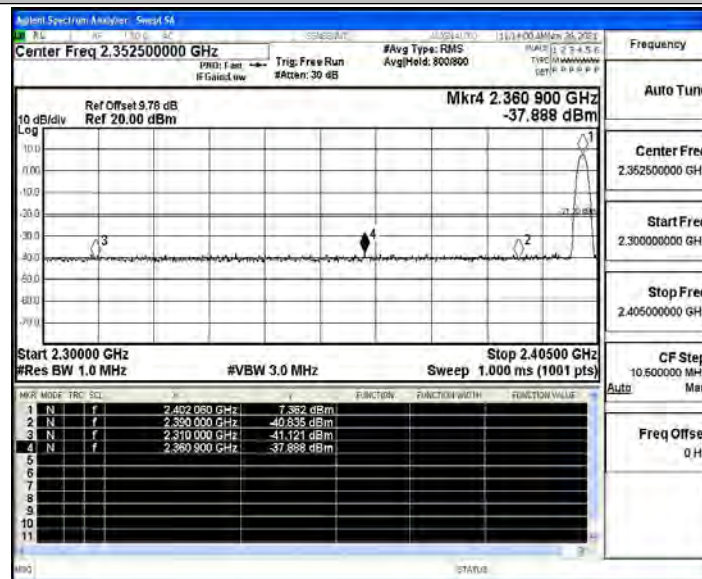


Test Graphs

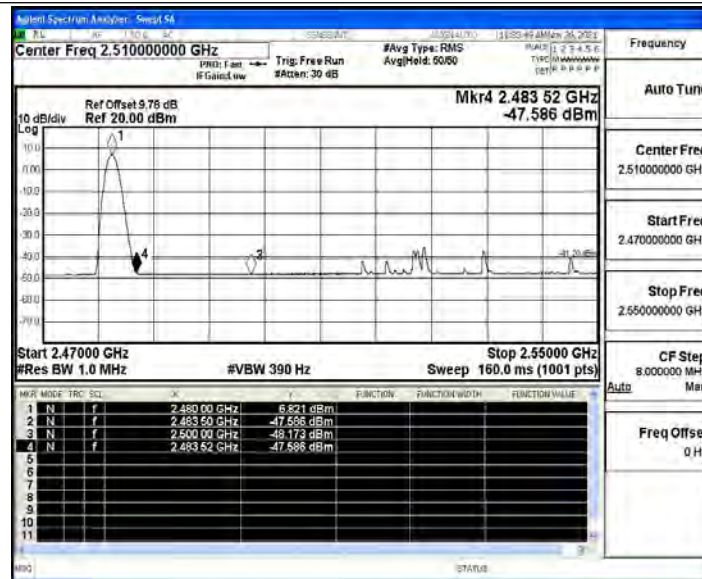
DH5_Ant1_Low_2402_AV



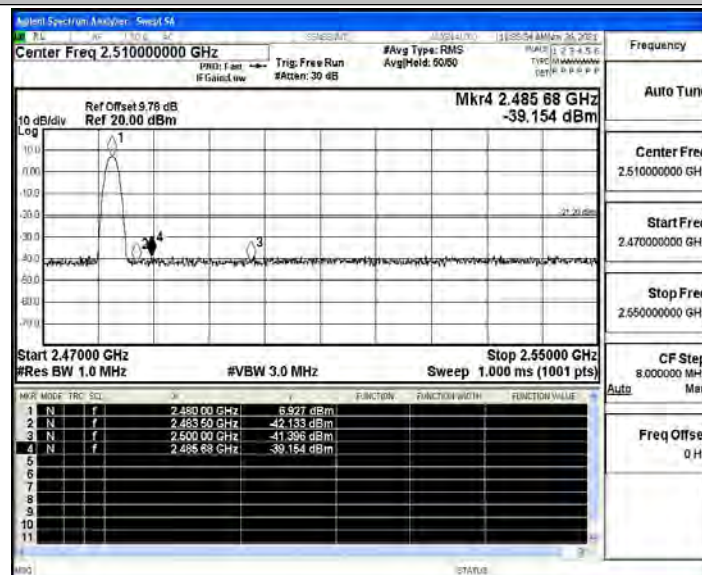
DH5_Ant1_Low_2402_Peak



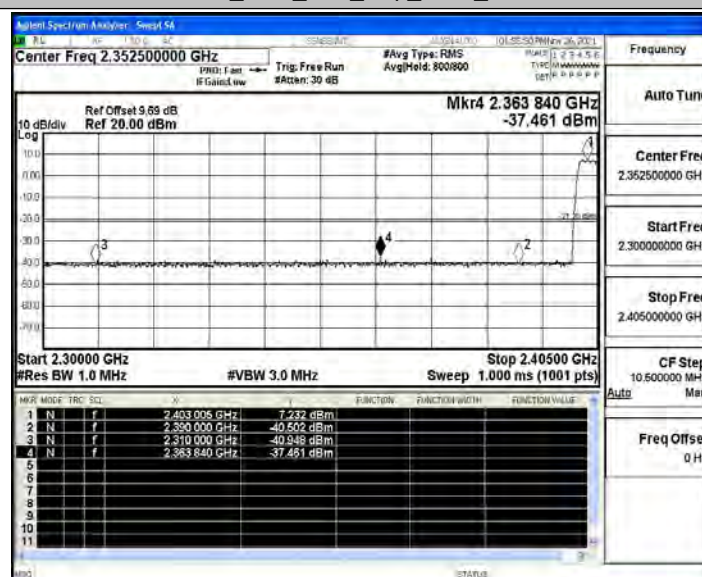
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

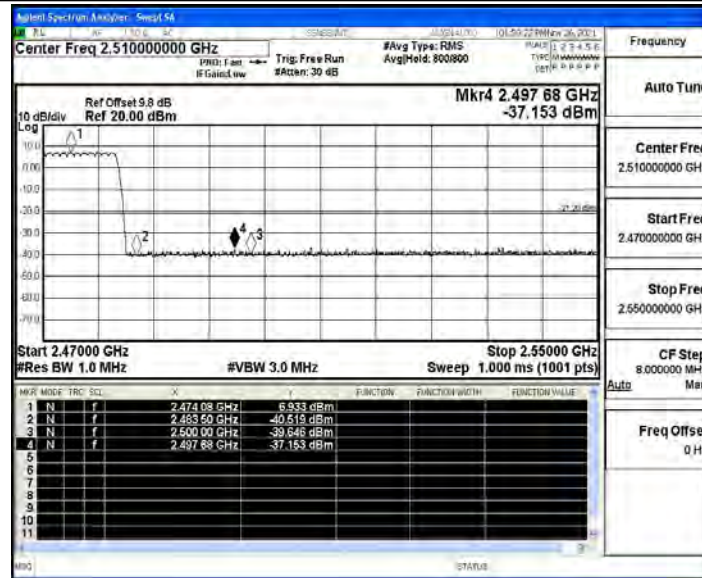


DH5_Ant1_Low_Hop_2402_Peak

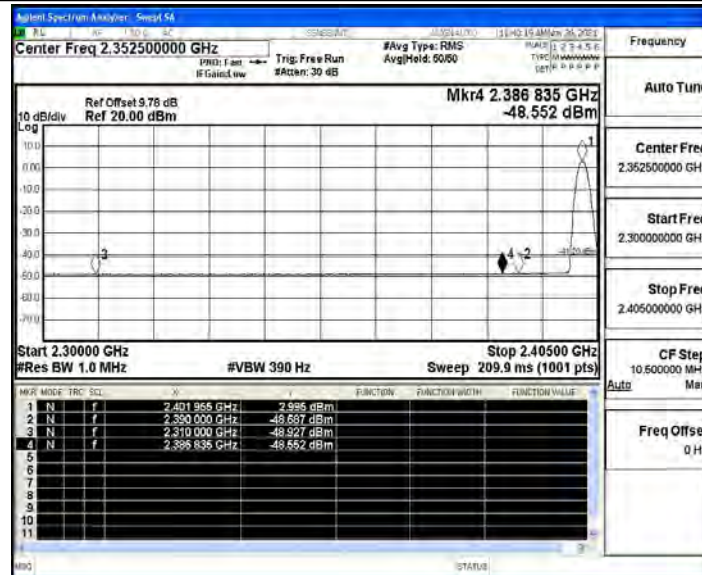




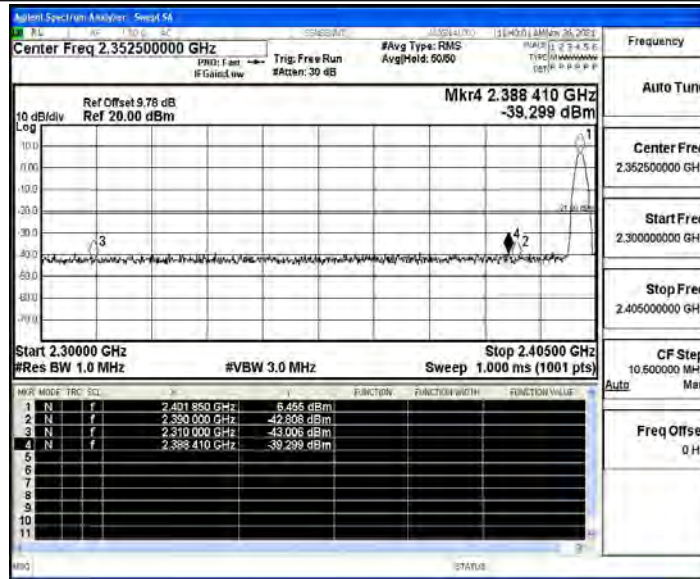
DH5_Ant1_High_Hop_2480_Peak



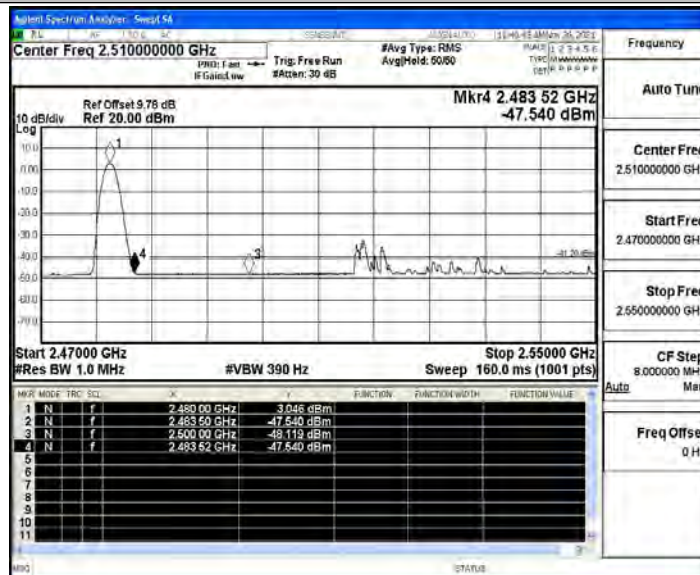
2DH5_Ant1_Low_2402_AV



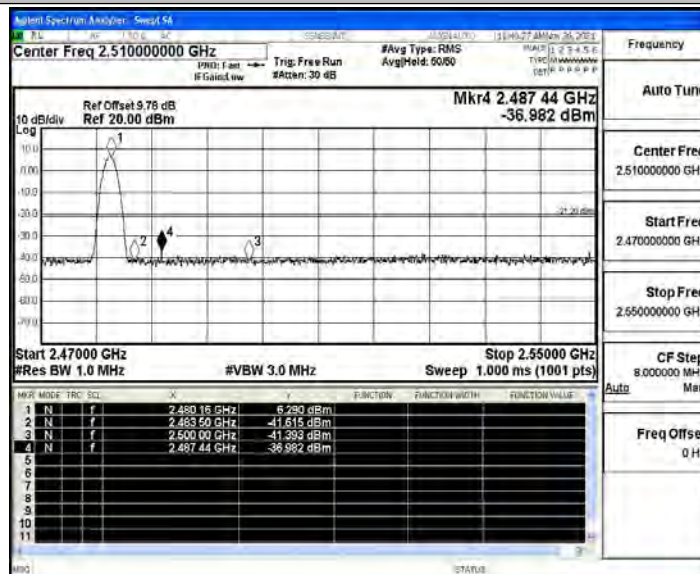
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

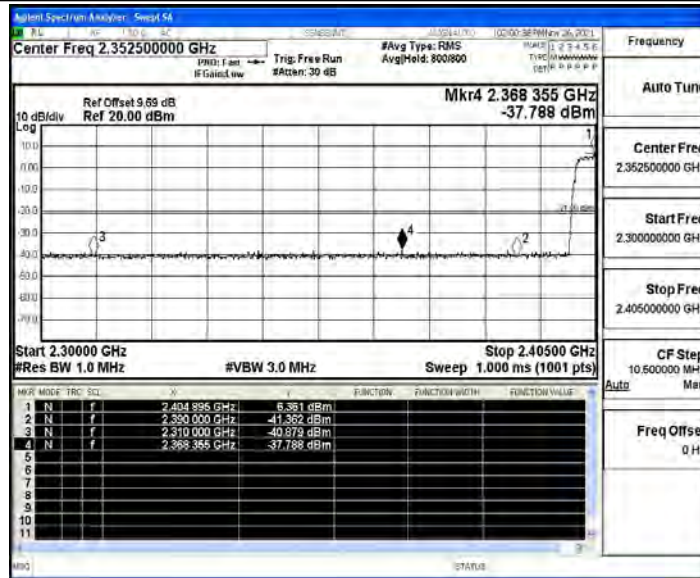


2DH5_Ant1_High_2480_Peak

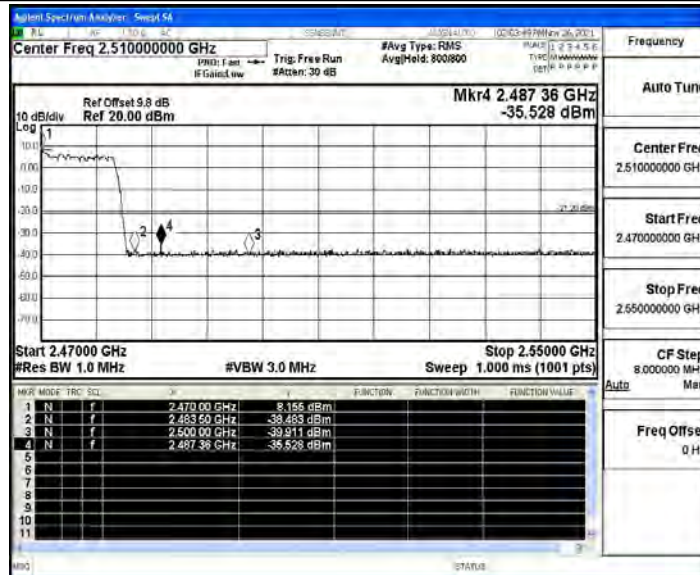




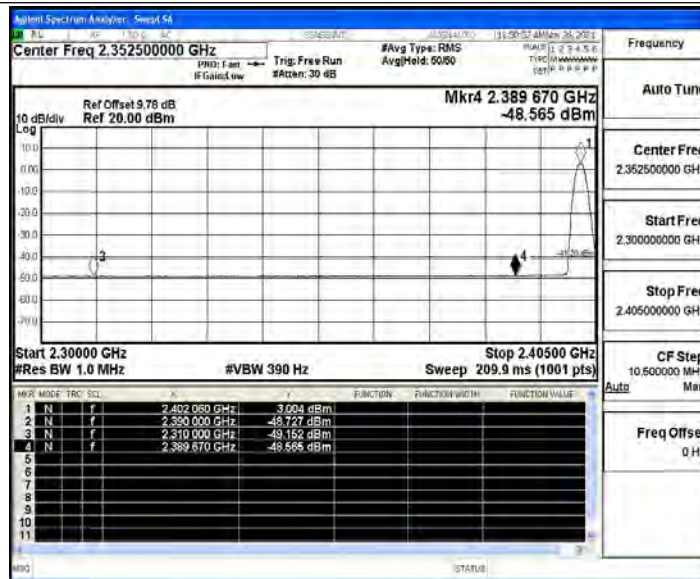
2DH5_Ant1_Low_Hop_2402_Peak



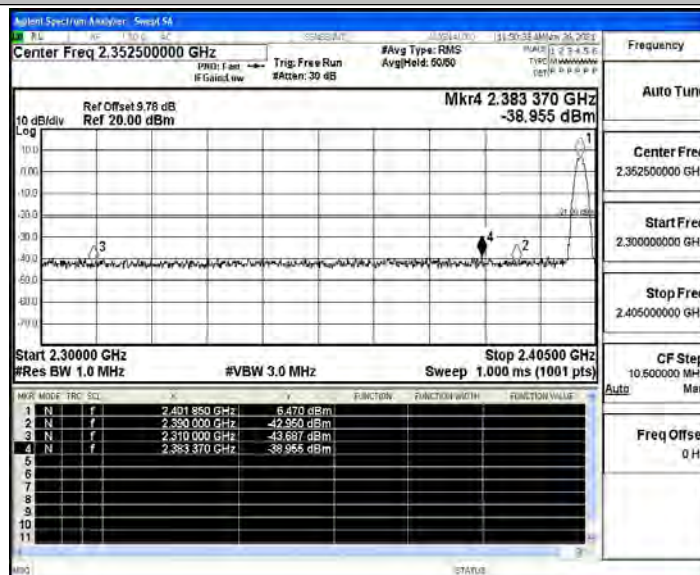
2DH5_Ant1_High_Hop_2480_Peak



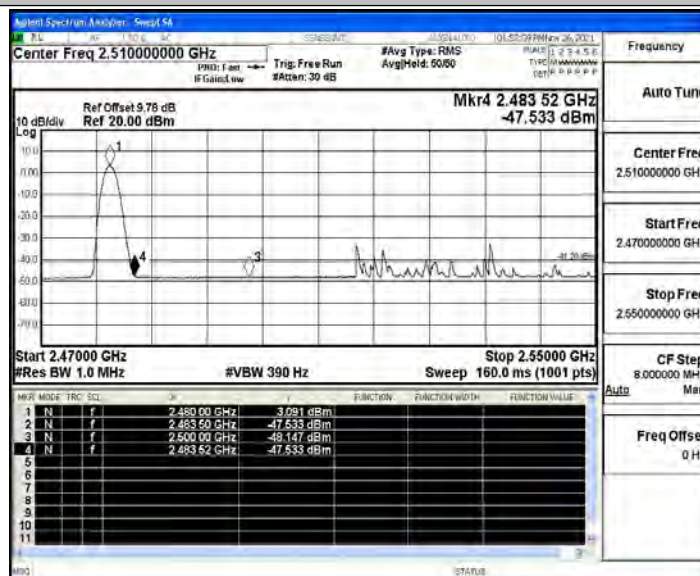
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

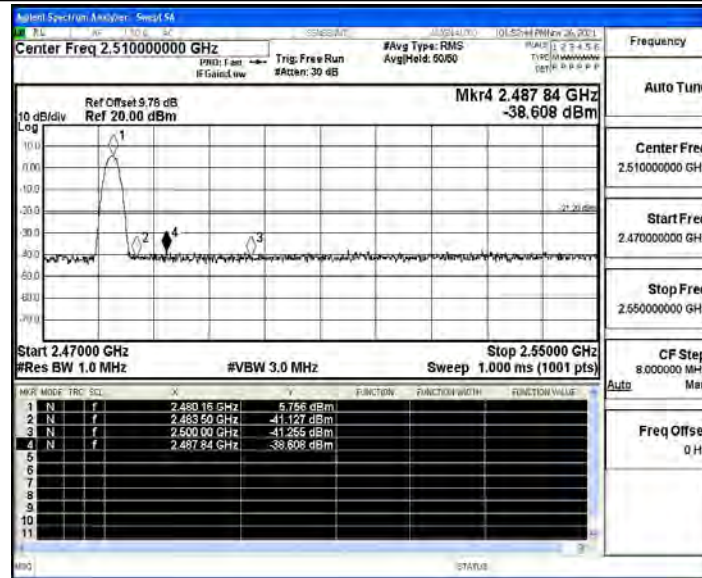


3DH5_Ant1_High_2480_AV

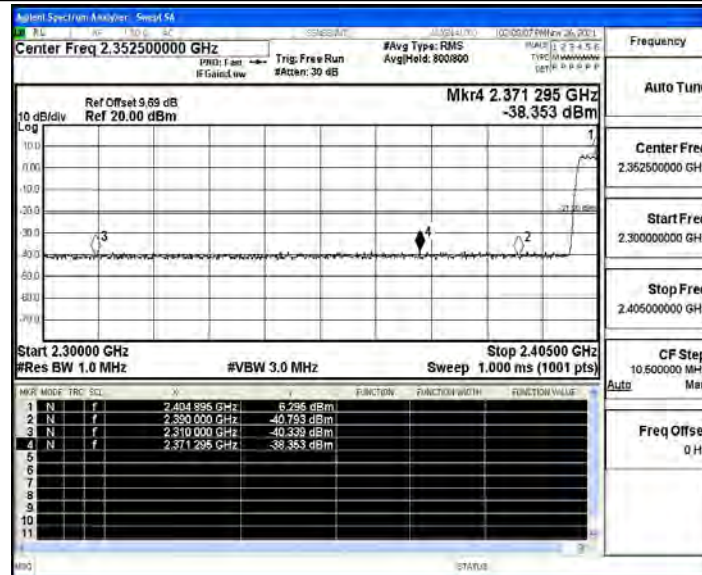




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

