



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Mini PC

Test Model: AM02

Environmental Conditions

Temperature:	22.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Mart Chen
Supervised by:	Li Huan

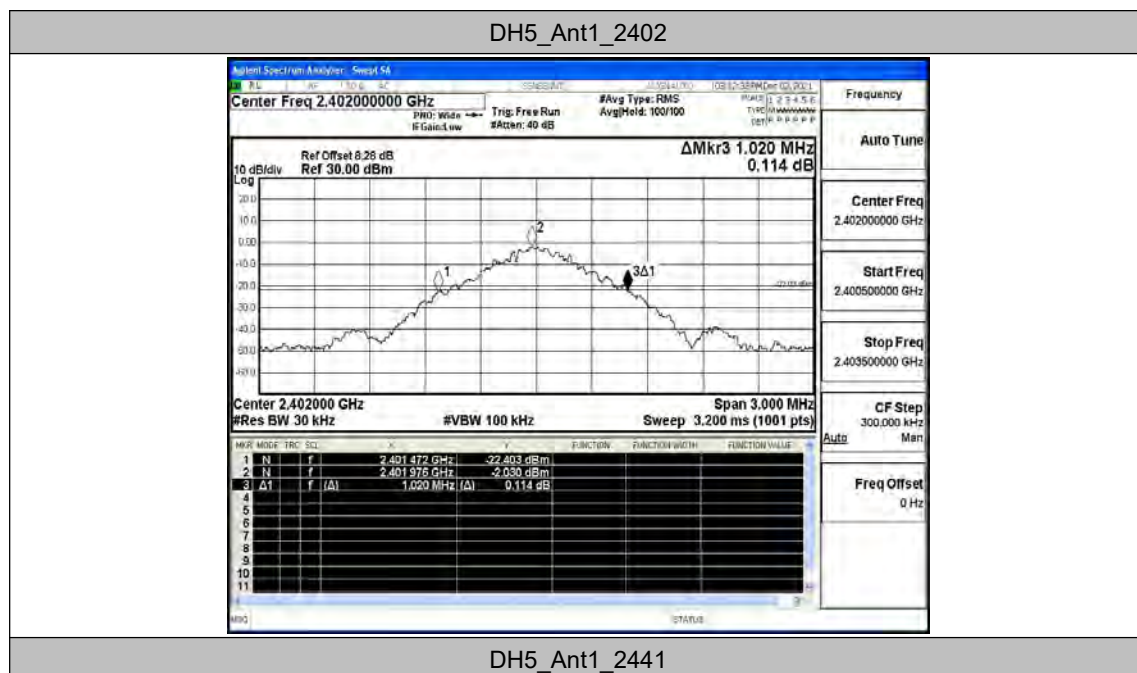


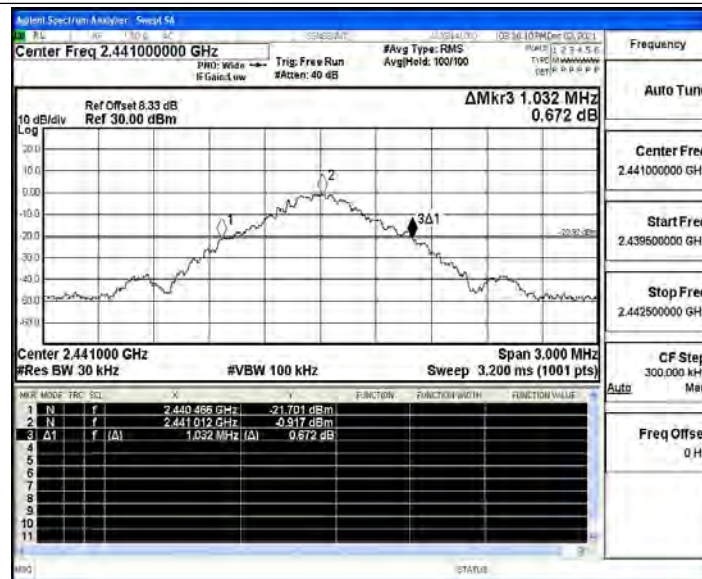
A.1 20dB Emission Bandwidth

Test Result

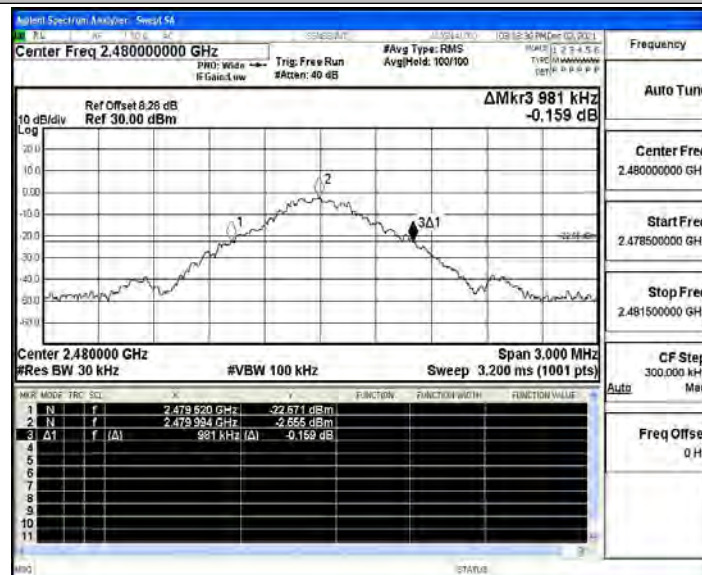
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.472	2402.492	---	PASS
		2441	1.032	2440.466	2441.498	---	PASS
		2480	0.981	2479.520	2480.501	---	PASS
2DH5	Ant1	2402	1.362	2401.322	2402.684	---	PASS
		2441	1.317	2440.337	2441.654	---	PASS
		2480	1.278	2479.376	2480.654	---	PASS
3DH5	Ant1	2402	1.347	2401.325	2402.672	---	PASS
		2441	1.350	2440.325	2441.675	---	PASS
		2480	1.308	2479.349	2480.657	---	PASS

Test Graphs

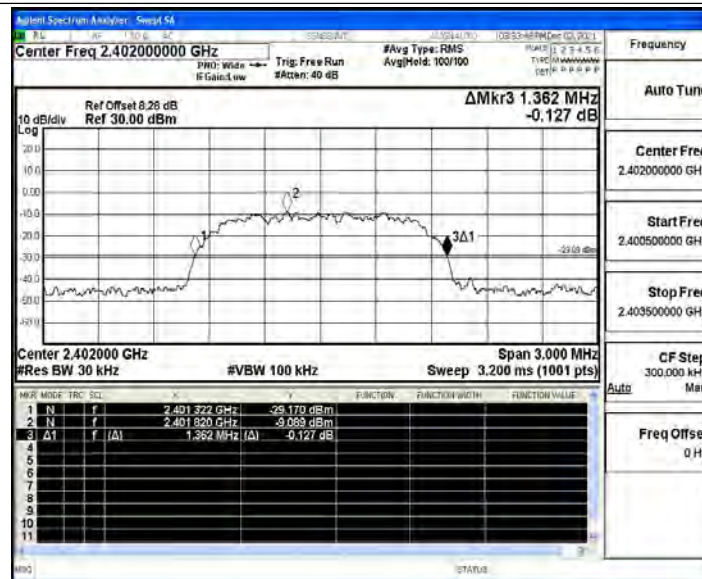




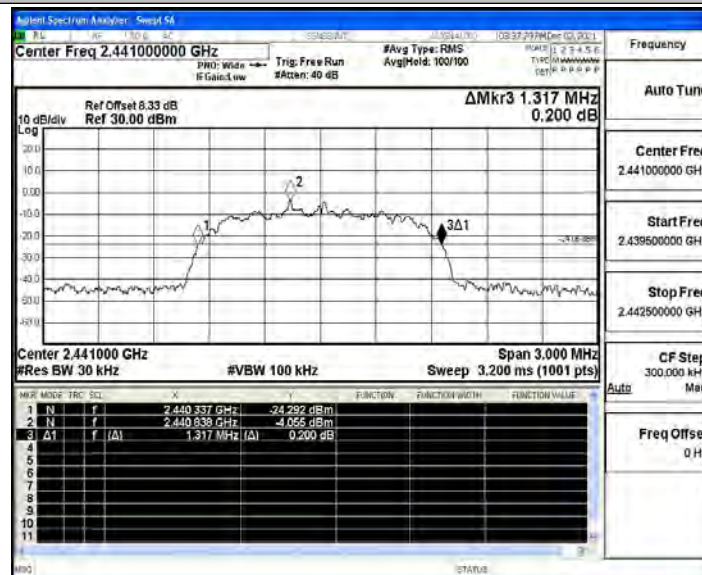
DH5_Ant1_2480



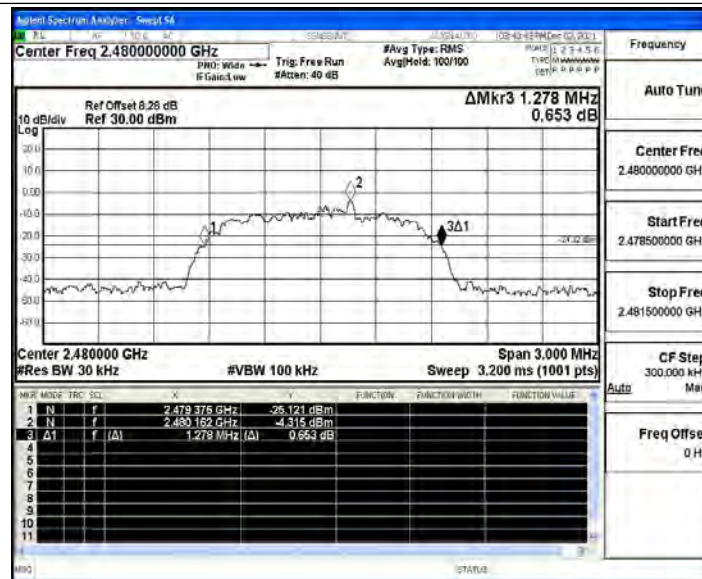
2DH5_Ant1_2402



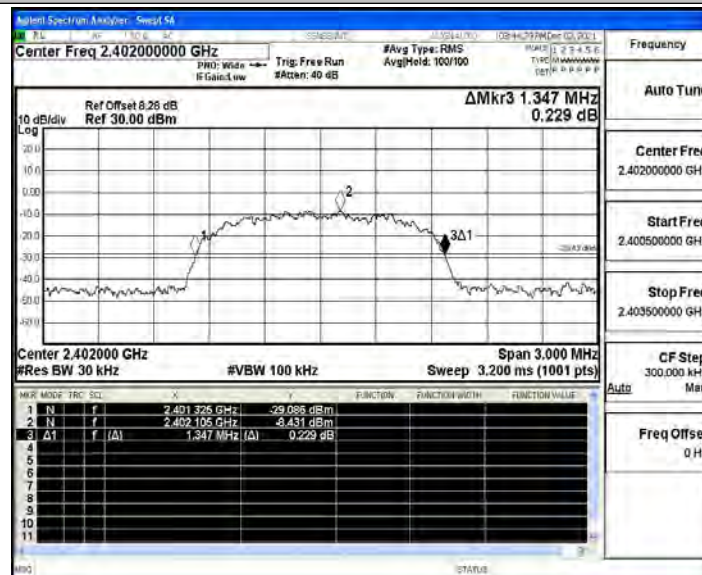
2DH5_Ant1_2441



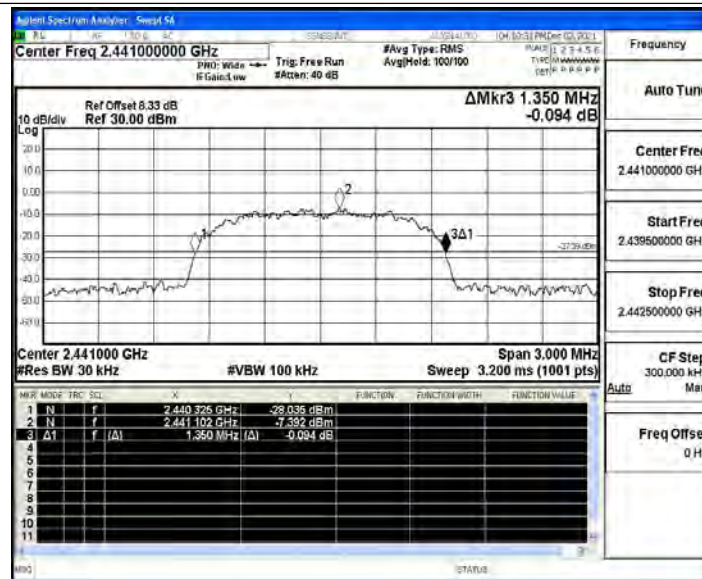
2DH5_Ant1_2480



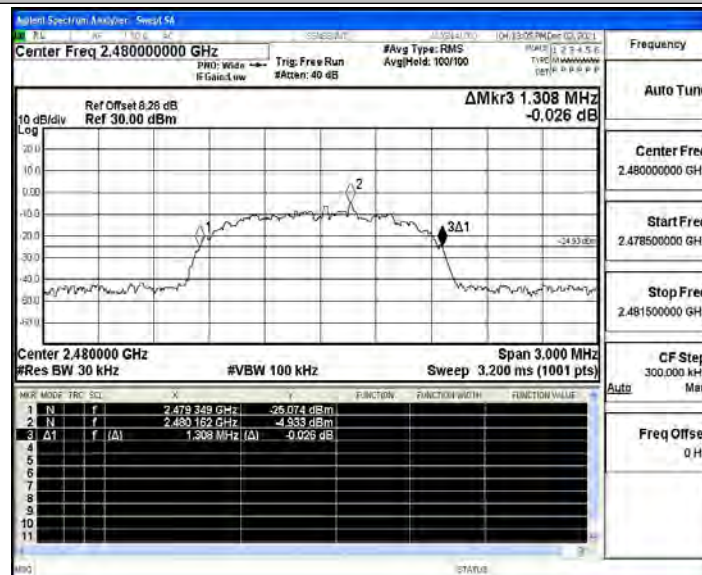
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



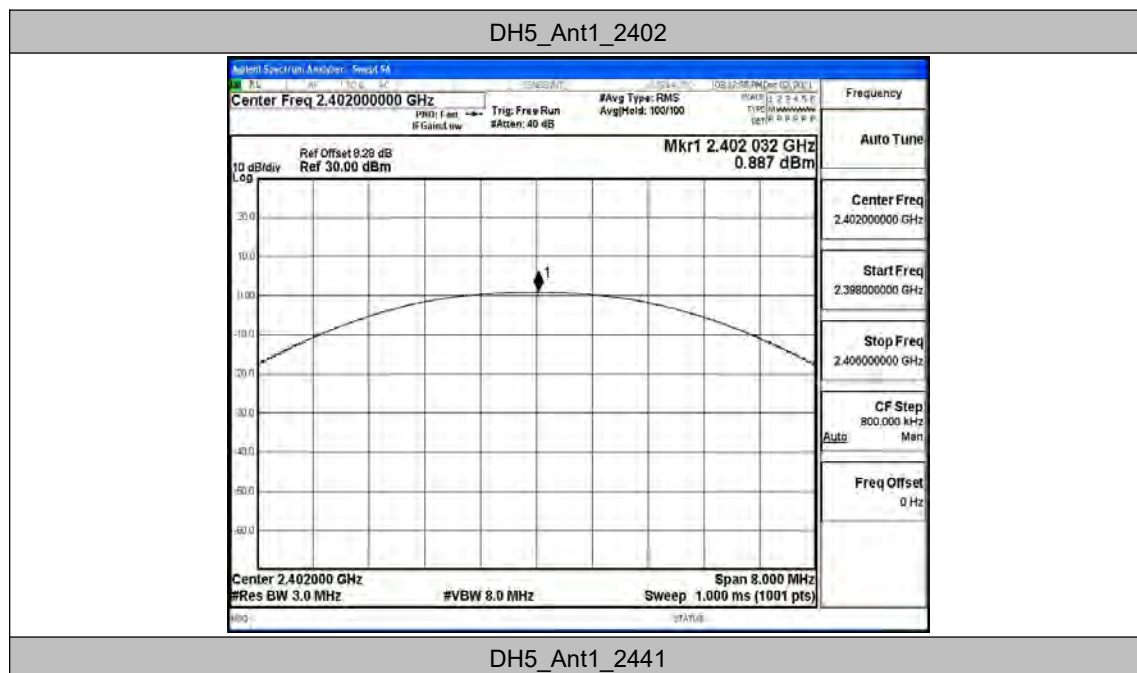


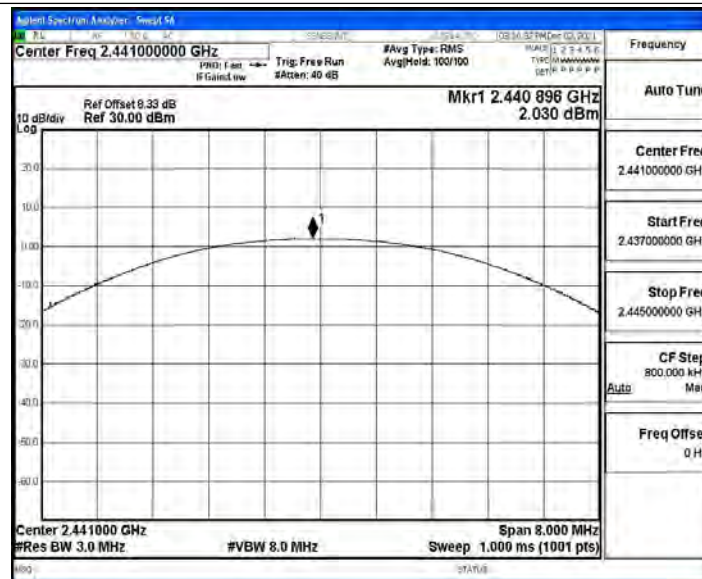
A.2 Maximum conducted output power

Test Result

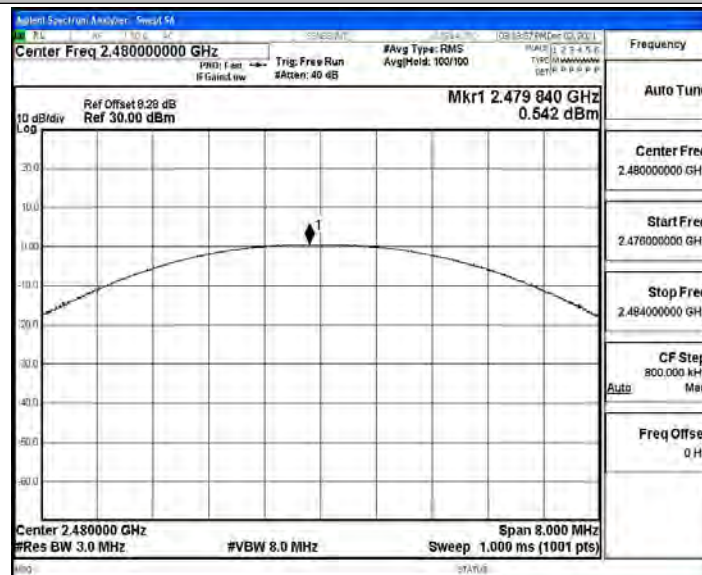
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.89	≤20.97	PASS
		2441	2.03	≤20.97	PASS
		2480	0.54	≤20.97	PASS
2DH5	Ant1	2402	0.06	≤20.97	PASS
		2441	0.97	≤20.97	PASS
		2480	-0.35	≤20.97	PASS
3DH5	Ant1	2402	0.13	≤20.97	PASS
		2441	1.31	≤20.97	PASS
		2480	-0.13	≤20.97	PASS

Test Graphs

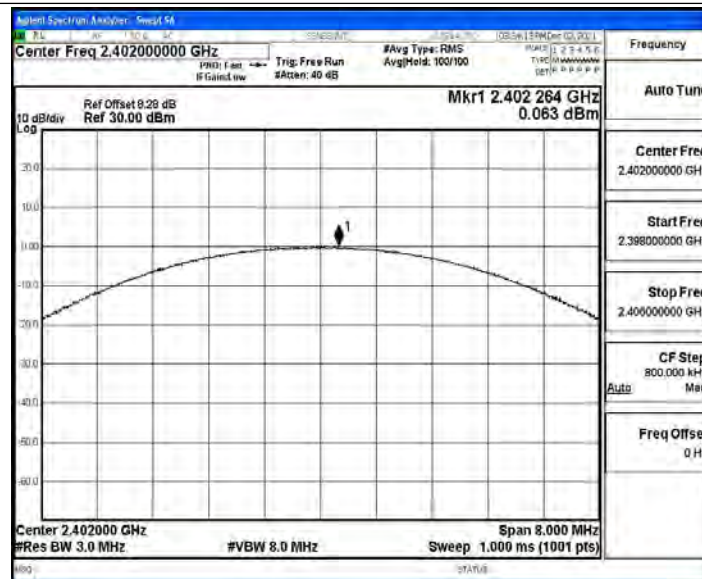




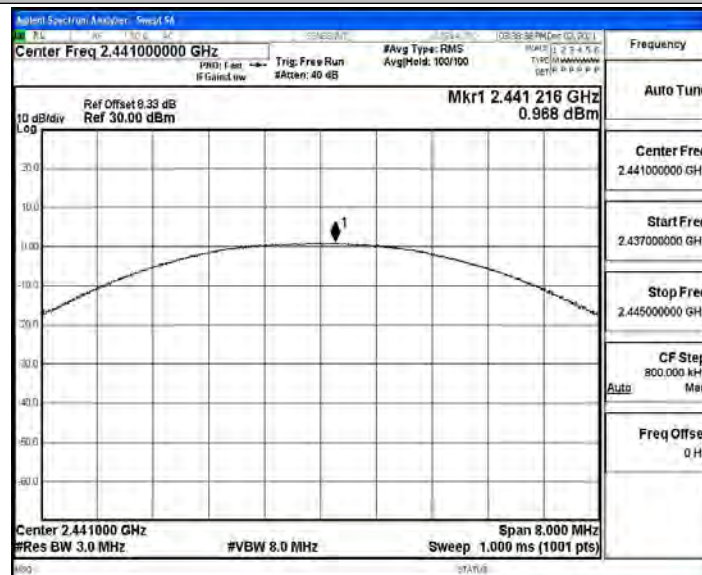
DH5_Ant1_2480



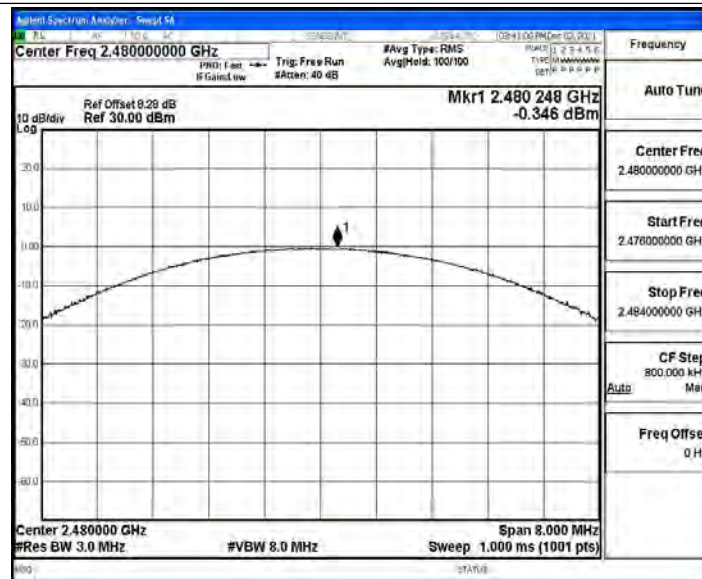
2DH5_Ant1_2402



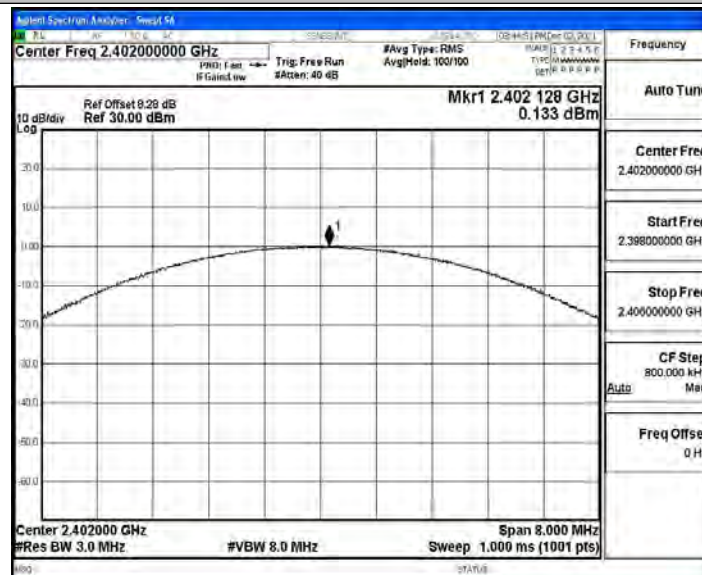
2DH5_Ant1_2441



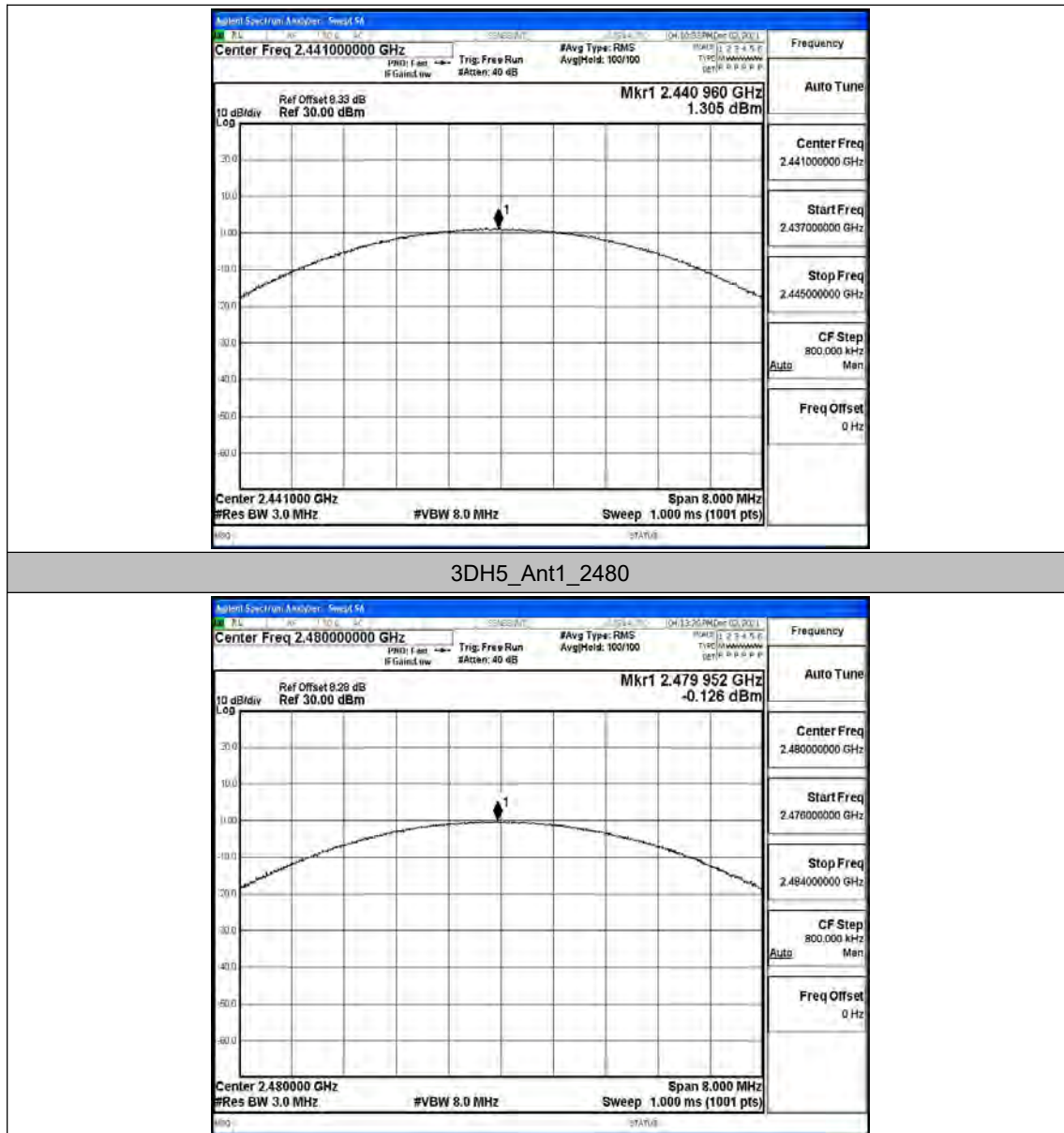
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



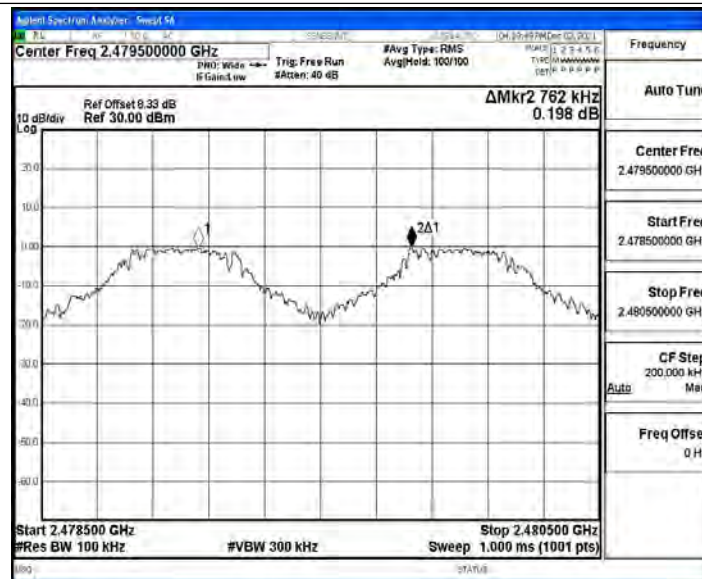
A.3 Carrier frequency separation

Test Result

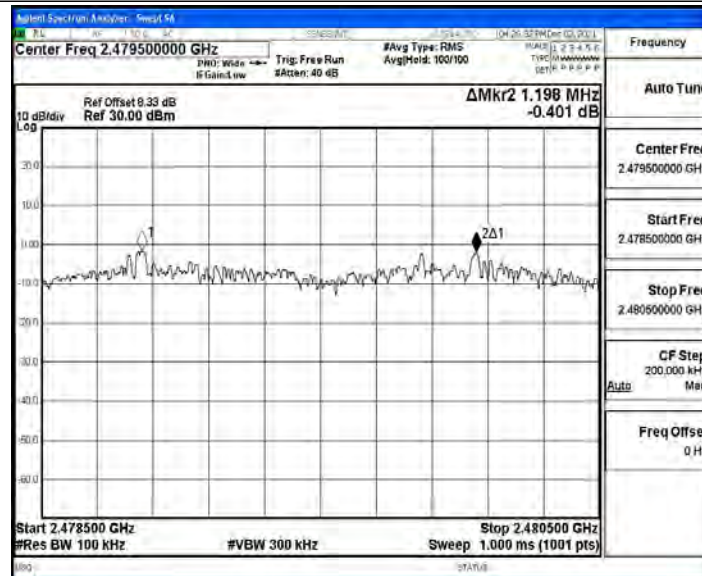
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.762	≥ 0.688	PASS
2DH5	Ant1	Hop	1.198	≥ 0.908	PASS
3DH5	Ant1	Hop	1.1	≥ 0.900	PASS

Test Graphs

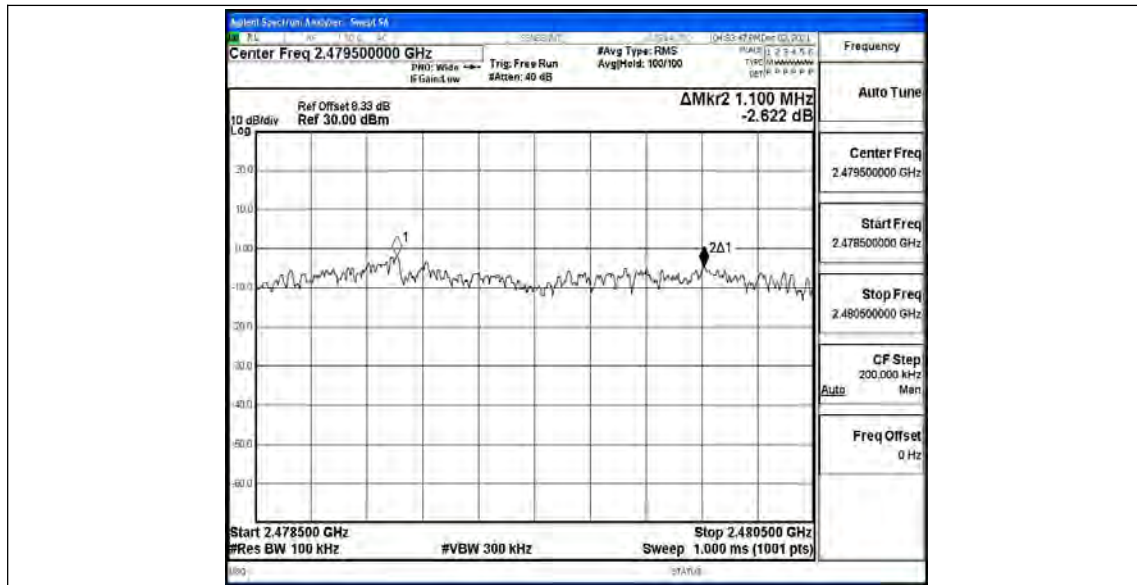
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



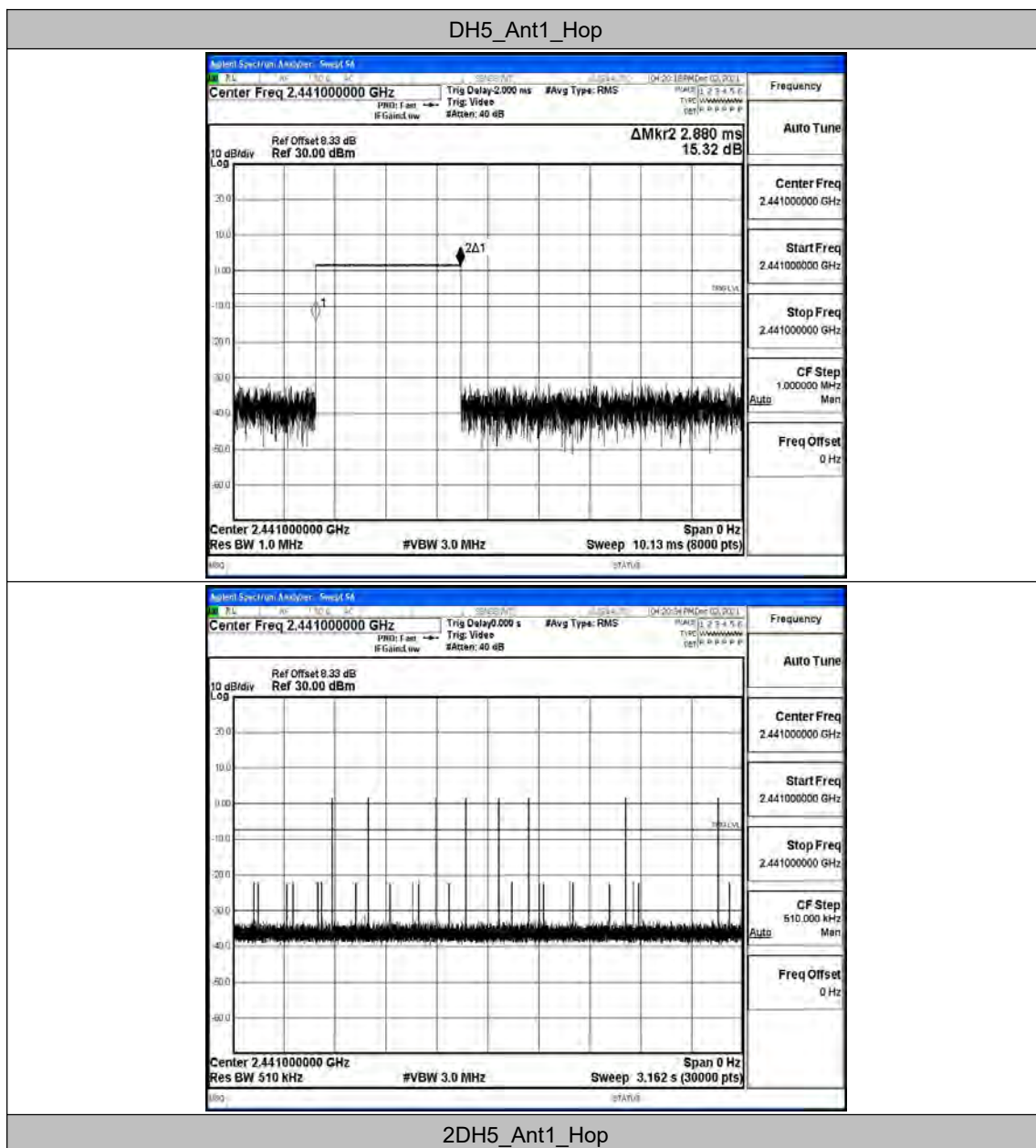


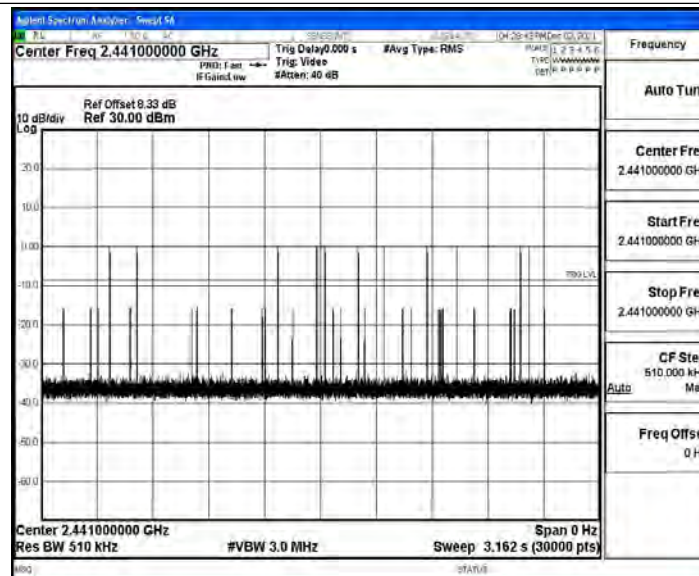
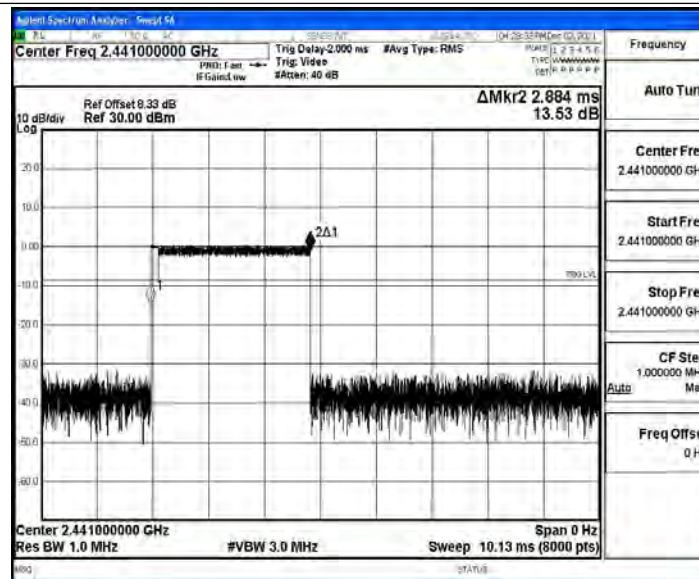
A.4 Time of occupancy

Test Result

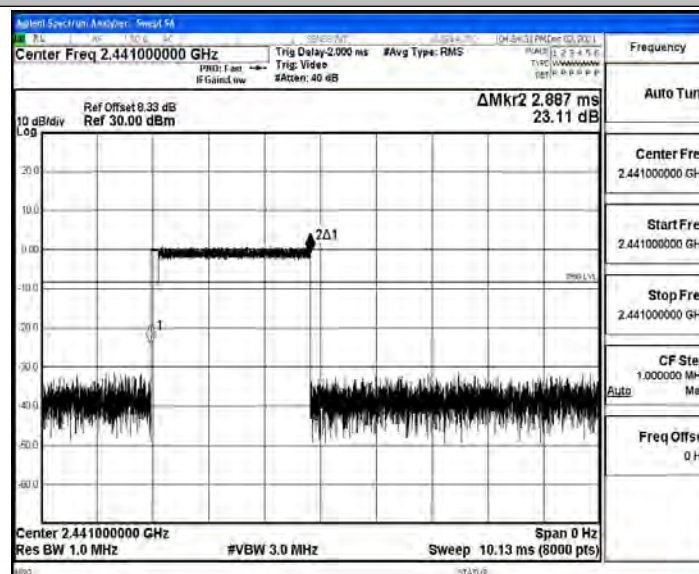
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS

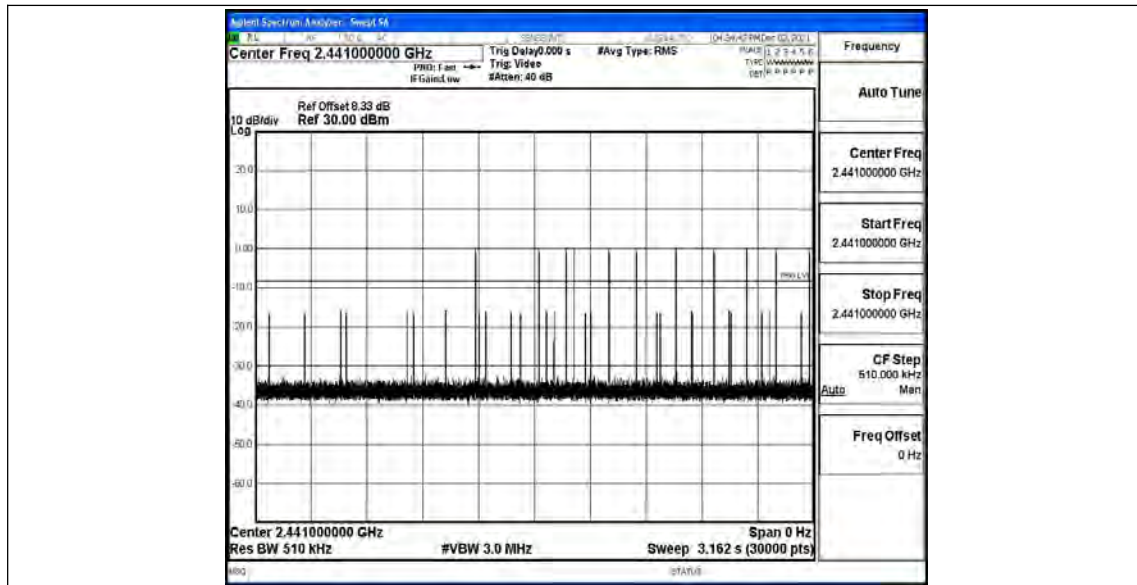
Test Graphs





3DH5_Ant1_Hop







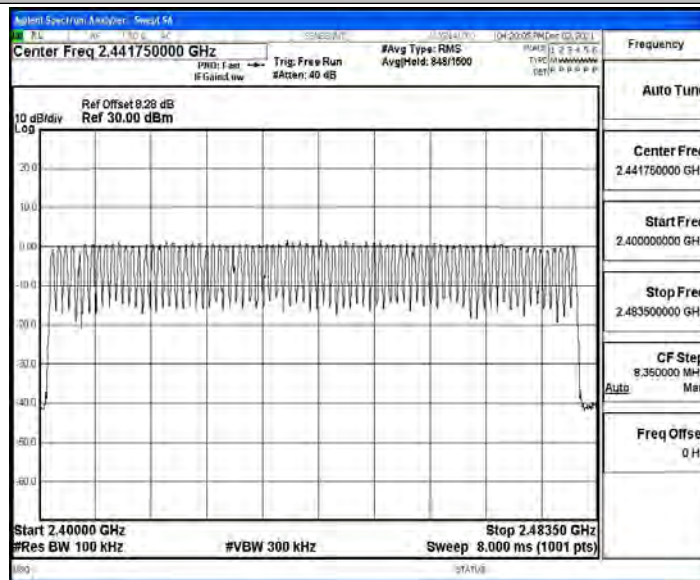
A.5 Number of hopping channels

Test Result

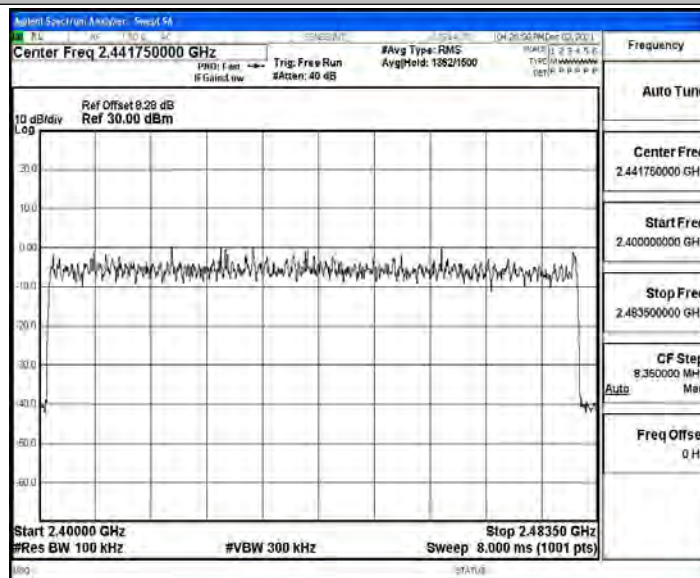
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

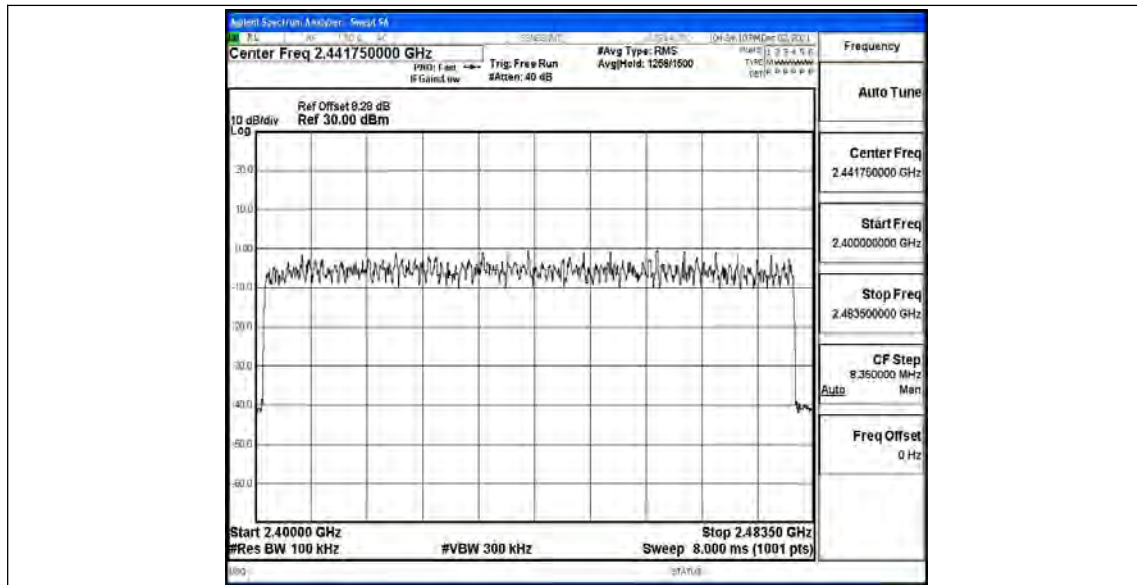
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

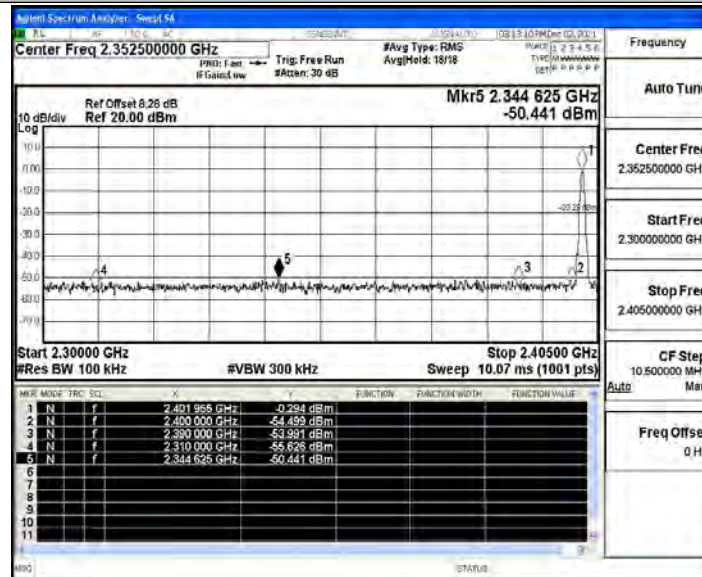
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.29	-50.44	≤ -20.29	PASS
		High	2480	-0.68	-49.66	≤ -20.68	PASS
		Low	Hop_2402	0.44	-49.06	≤ -19.56	PASS
		High	Hop_2480	0.05	-48.08	≤ -19.95	PASS
2DH5	Ant1	Low	2402	-4.94	-50.19	≤ -24.94	PASS
		High	2480	-3.47	-49.92	≤ -23.47	PASS
		Low	Hop_2402	-2.37	-49.65	≤ -22.37	PASS
		High	Hop_2480	-1.06	-48.34	≤ -21.06	PASS
3DH5	Ant1	Low	2402	-4.64	-50.55	≤ -24.64	PASS
		High	2480	-1.81	-49.9	≤ -21.81	PASS
		Low	Hop_2402	-2.61	-49.74	≤ -22.61	PASS
		High	Hop_2480	-3.29	-48.8	≤ -23.29	PASS

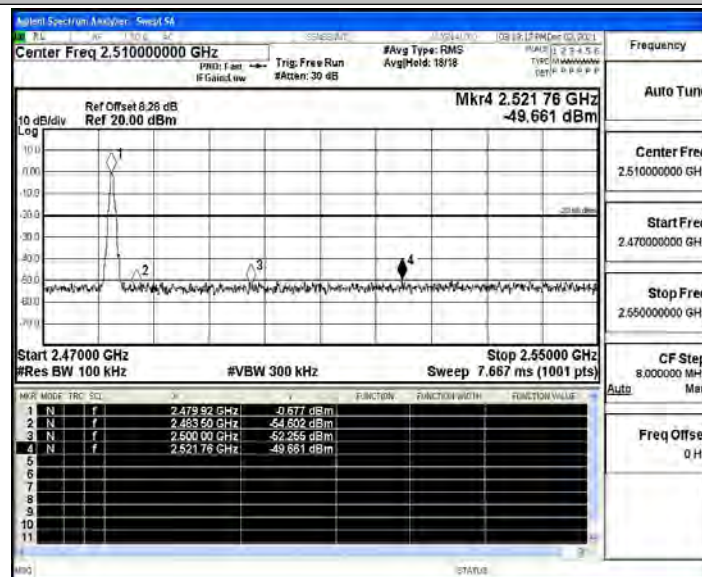


Test Graphs

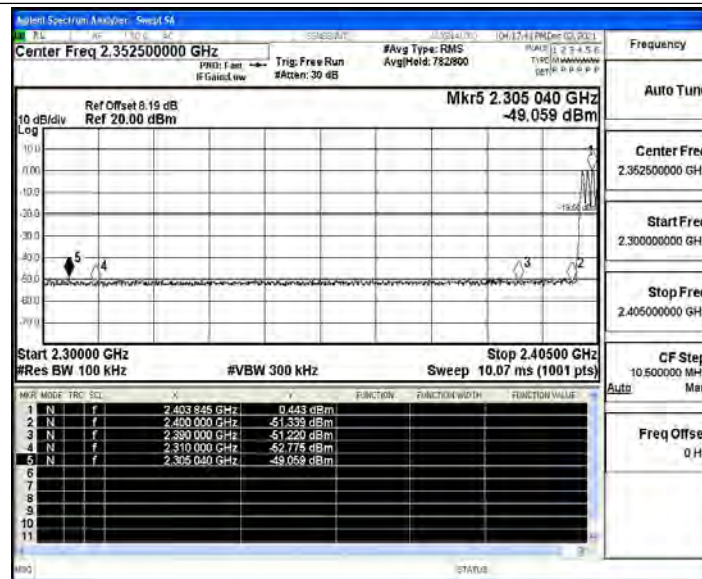
DH5_Ant1_Low_2402



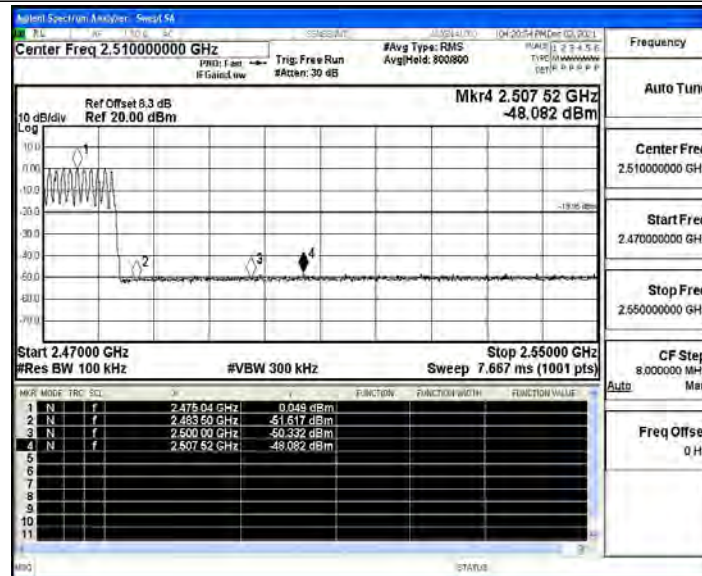
DH5_Ant1_High_2480



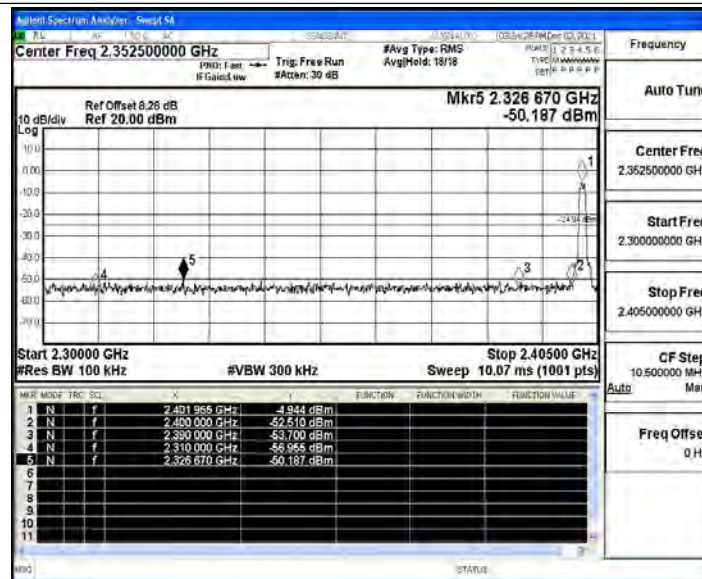
DH5_Ant1_Low_Hop_2402



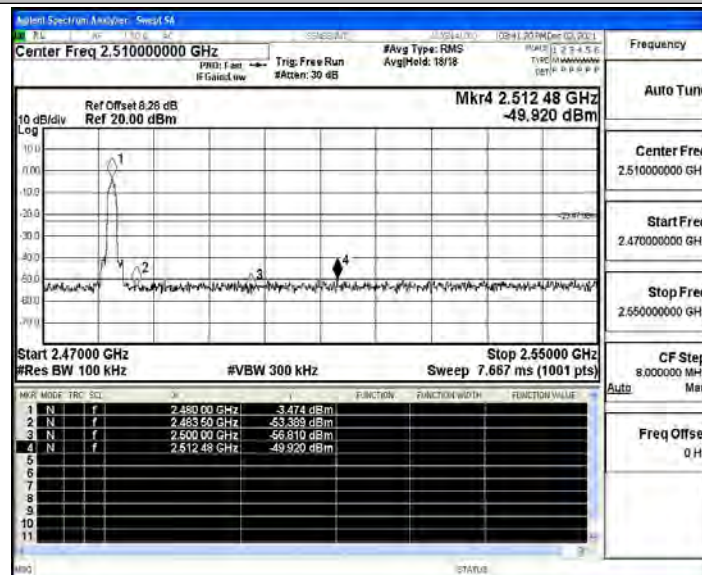
DH5_Ant1_High_Hop_2480



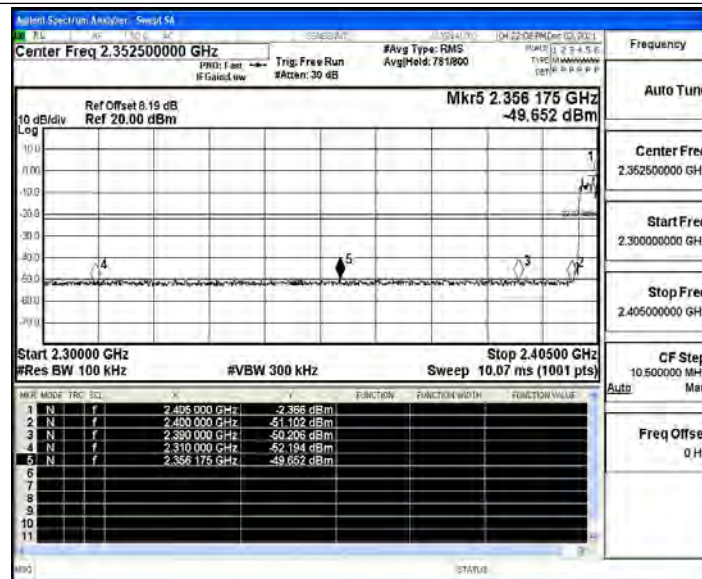
2DH5_Ant1_Low_2402



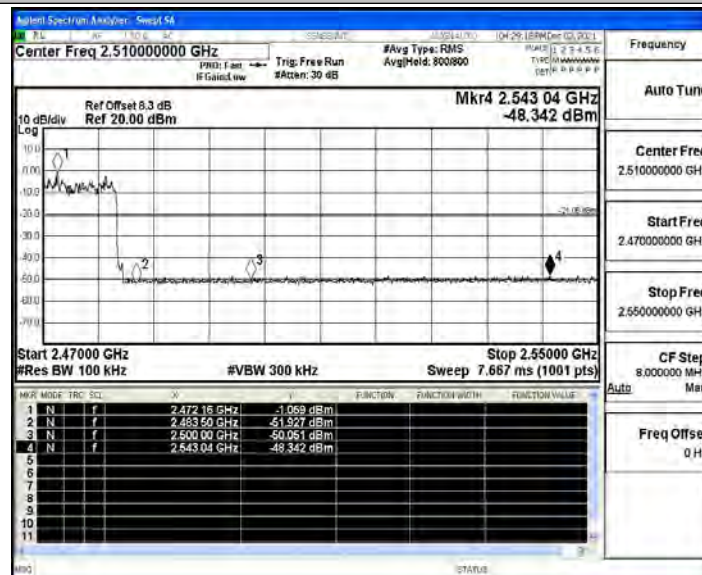
2DH5_Ant1_High_2480



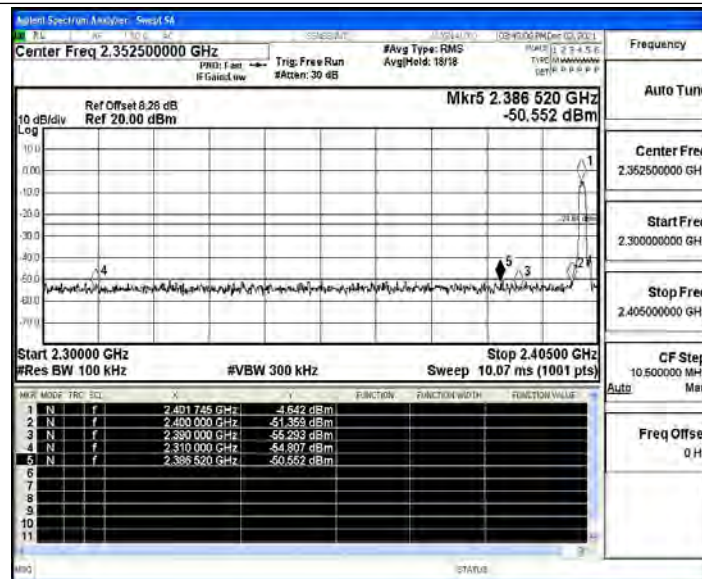
2DH5_Ant1_Low_Hop_2402



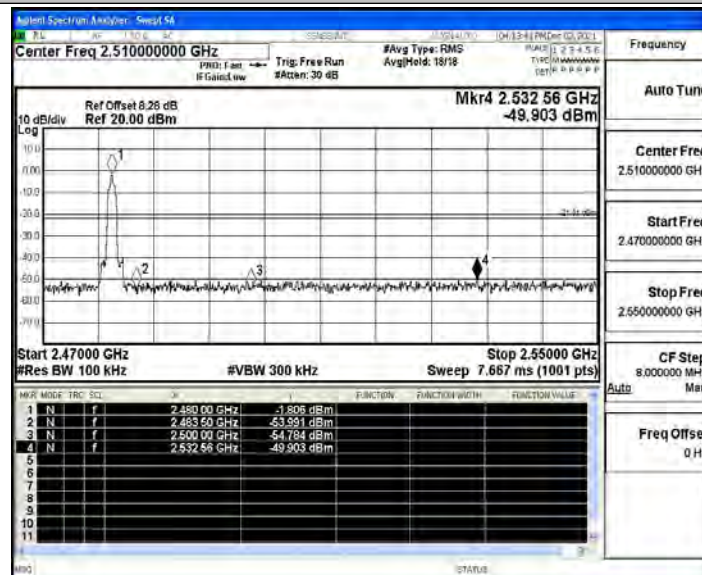
2DH5_Ant1_High_Hop_2480



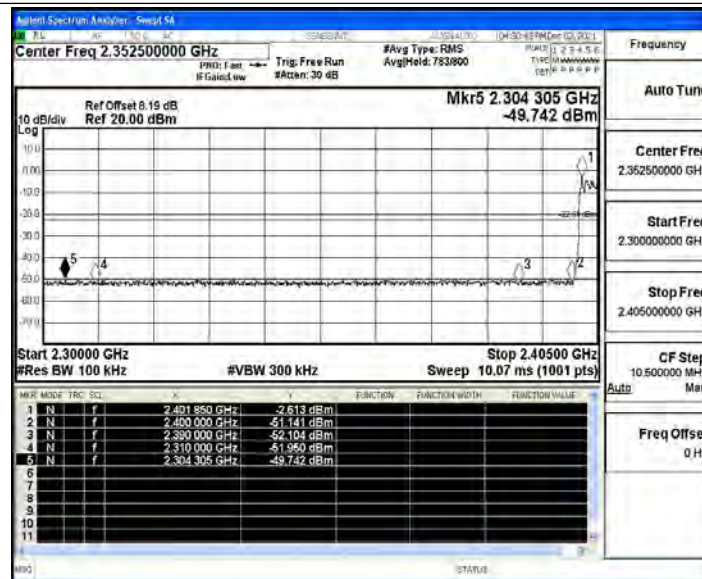
3DH5_Ant1_Low_2402



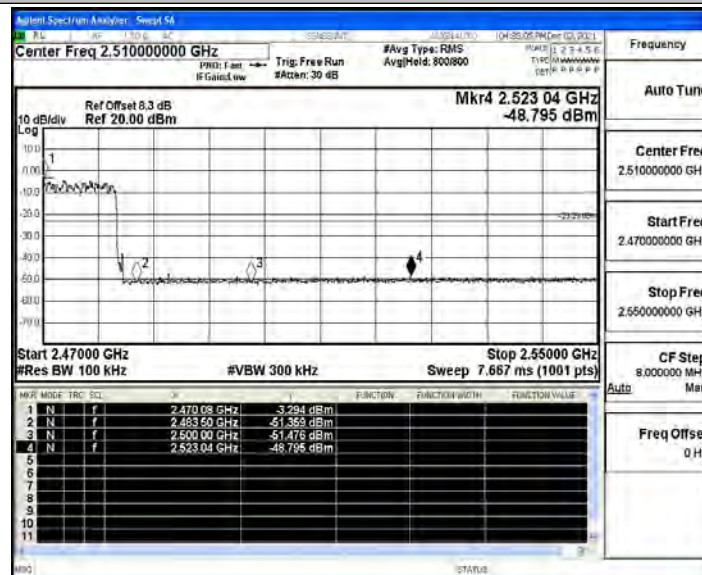
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

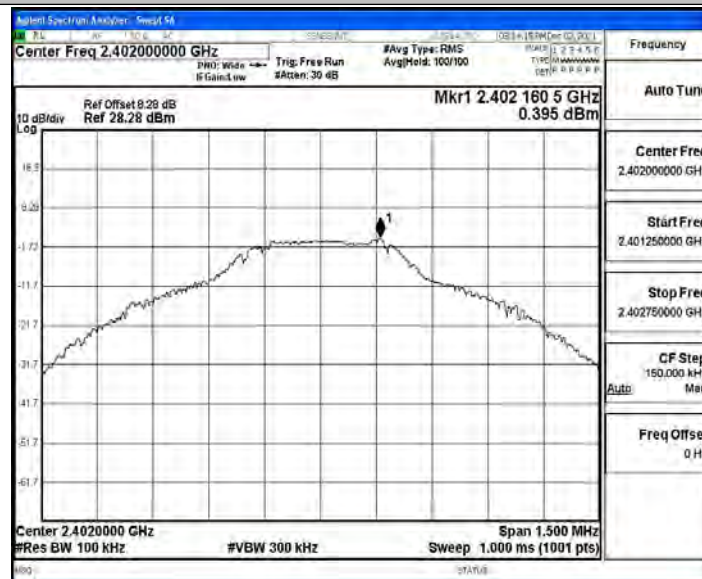
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-61.58	≤-19.61	PASS
			1000~26500	0.40	-46.23	≤-19.61	PASS
		2441	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-61.5	≤-18.83	PASS
			1000~26500	1.17	-45.86	≤-18.83	PASS
		2480	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-61.37	≤-20.3	PASS
			1000~26500	-0.30	-45.78	≤-20.3	PASS
2DH5	Ant1	2402	Reference	-4.65	-4.65	---	PASS
			30~1000	-4.65	-61.29	≤-24.65	PASS
			1000~26500	-4.65	-46.24	≤-24.65	PASS
		2441	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-61.2	≤-24.04	PASS
			1000~26500	-4.04	-46.13	≤-24.04	PASS
		2480	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-60.98	≤-21.7	PASS
			1000~26500	-1.70	-46.53	≤-21.7	PASS
3DH5	Ant1	2402	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-60.72	≤-24.07	PASS
			1000~26500	-4.07	-47.13	≤-24.07	PASS
		2441	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-61.2	≤-20.05	PASS
			1000~26500	-0.05	-46.04	≤-20.05	PASS
		2480	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-61.29	≤-22	PASS
			1000~26500	-2.00	-46.22	≤-22	PASS

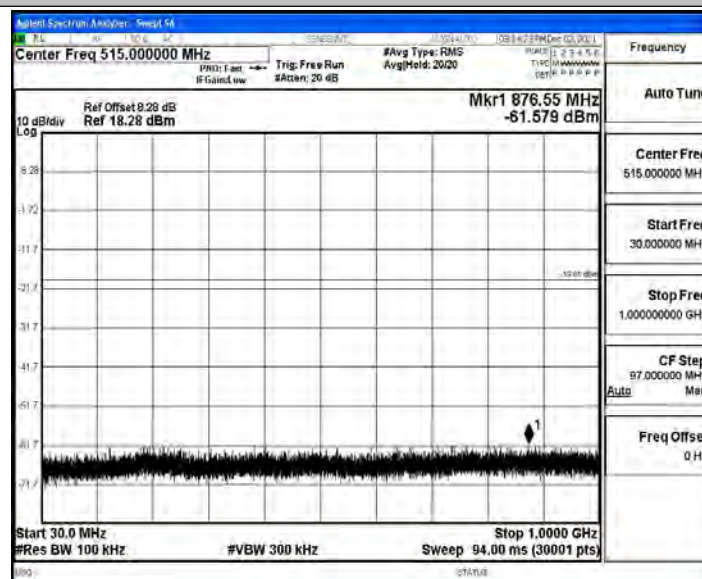


Test Graphs

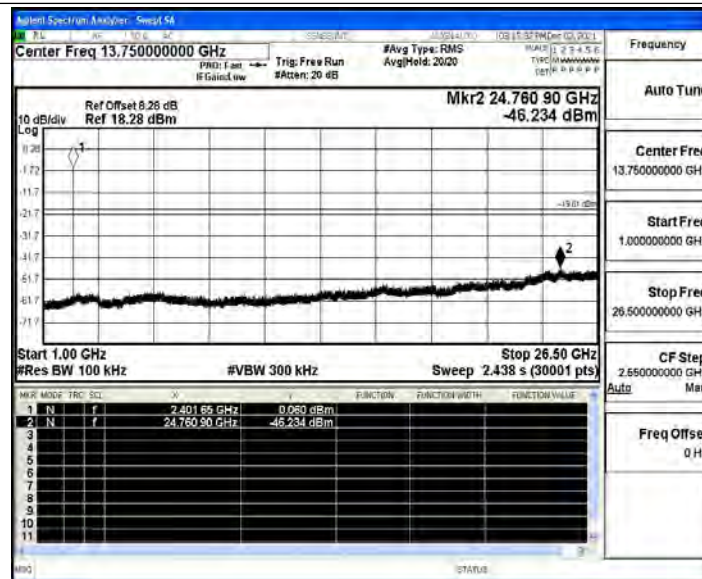
DH5_Ant1_2402_0~Reference



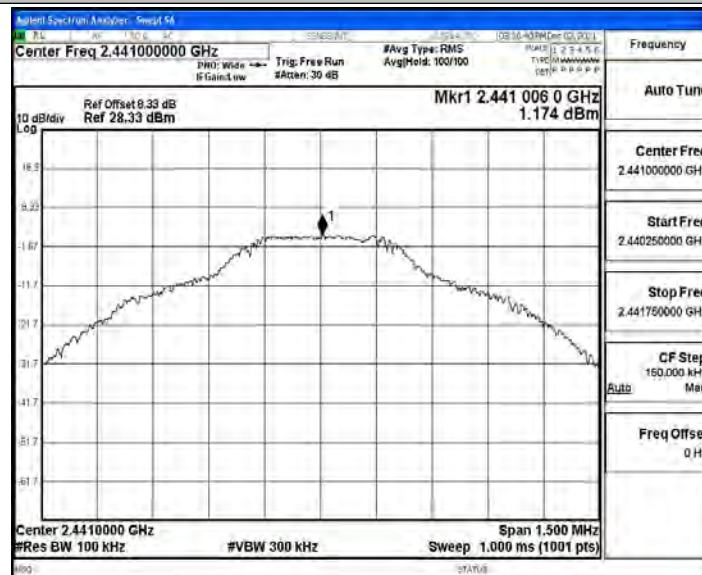
DH5_Ant1_2402_30~1000



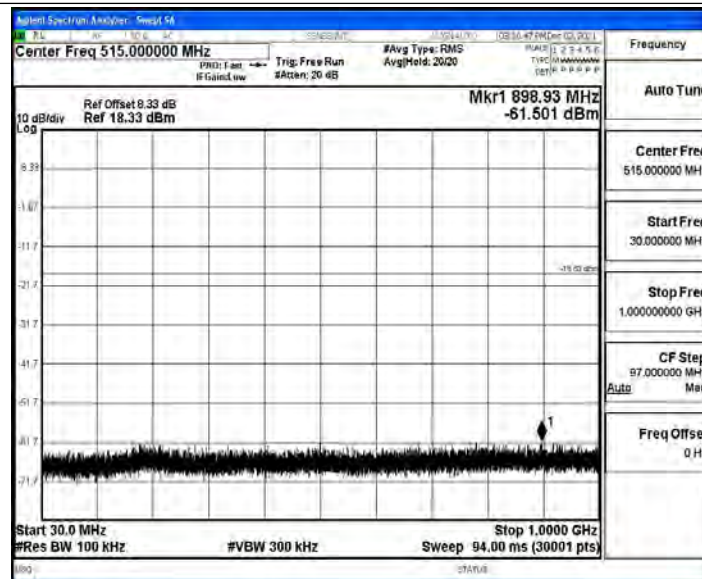
DH5_Ant1_2402_1000~26500



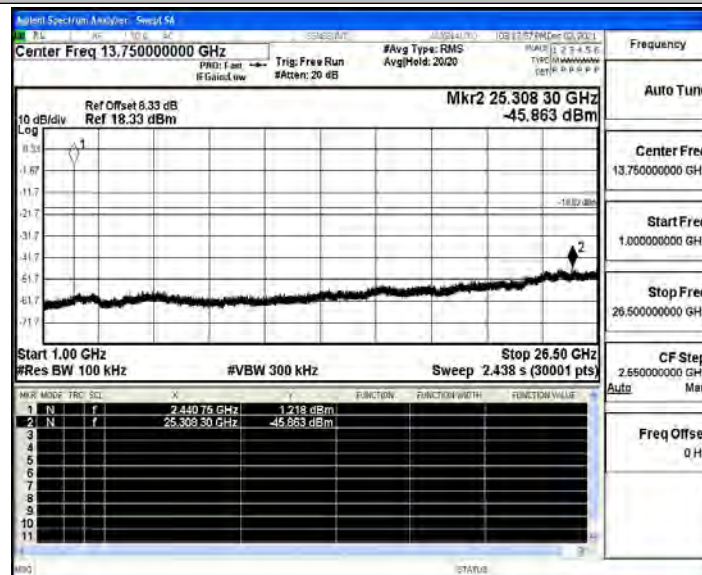
DH5_Ant1_2441_0~Reference



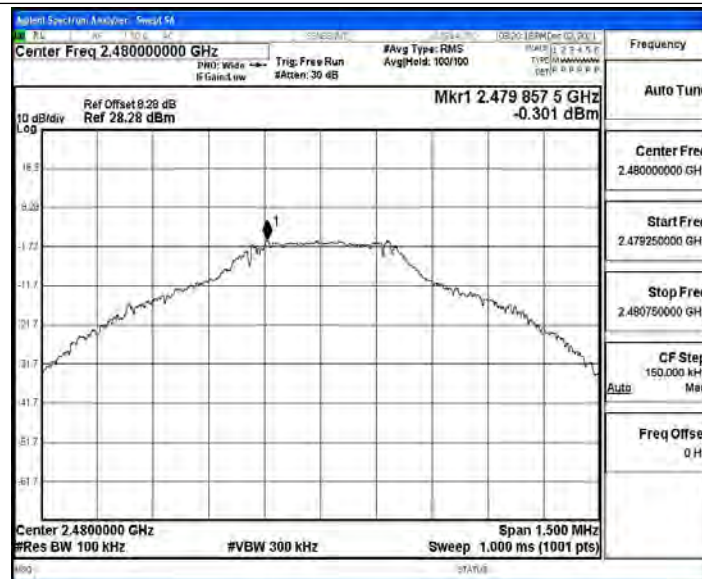
DH5_Ant1_2441_30~1000



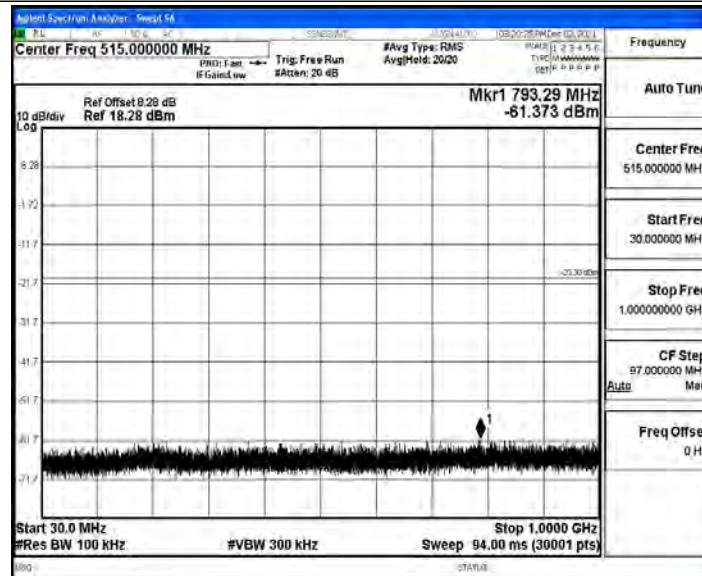
DH5_Ant1_2441_1000~26500



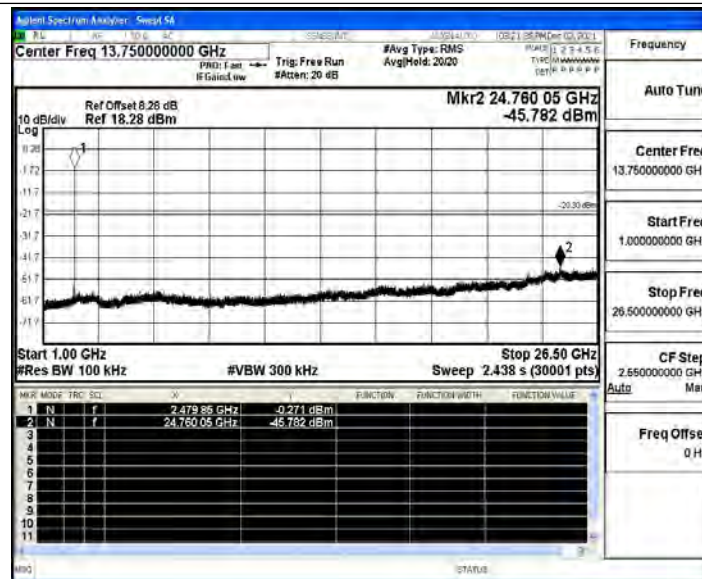
DH5_Ant1_2480_0~Reference



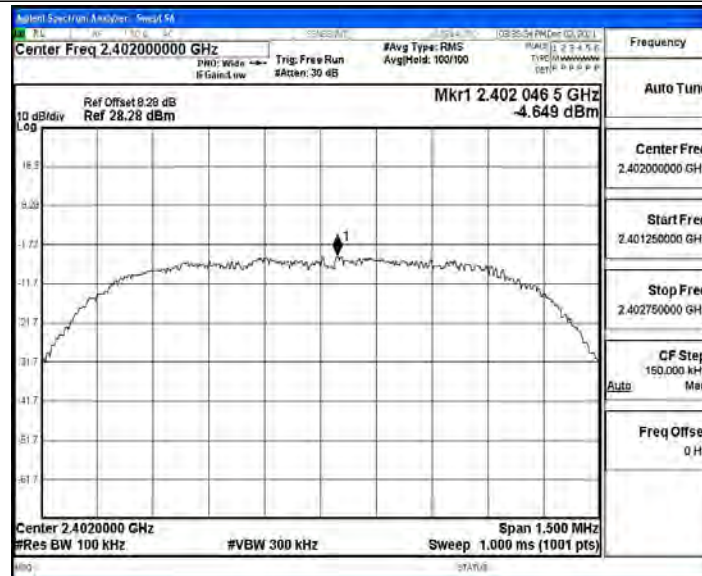
DH5_Ant1_2480_30~1000



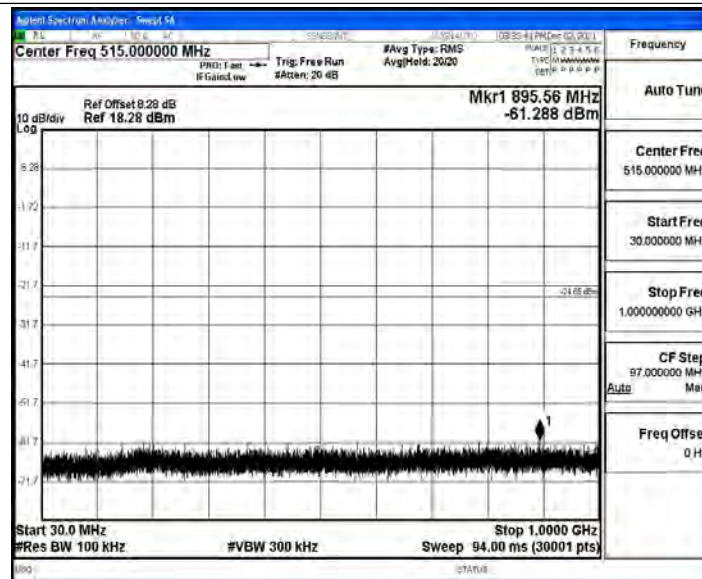
DH5_Ant1_2480_1000~26500



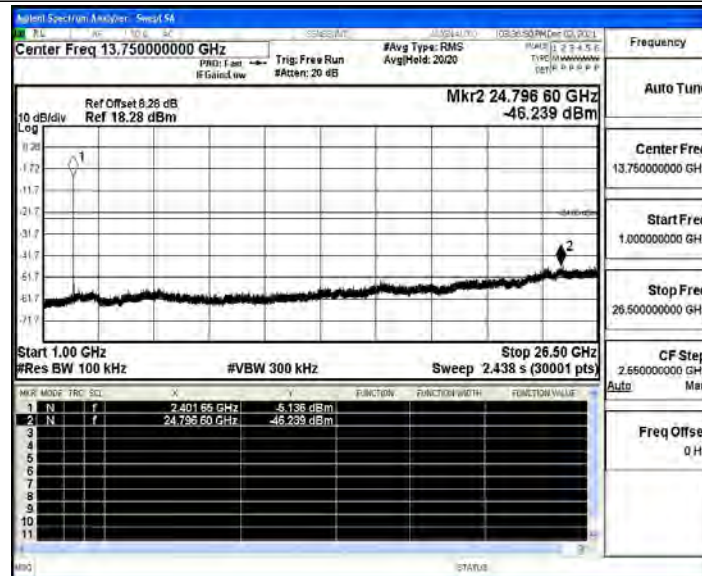
2DH5_Ant1_2402_0~Reference



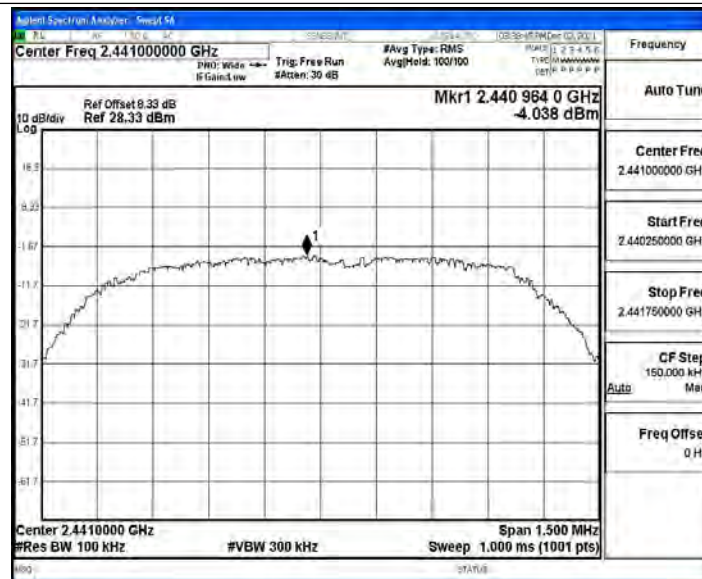
2DH5_Ant1_2402_30~1000



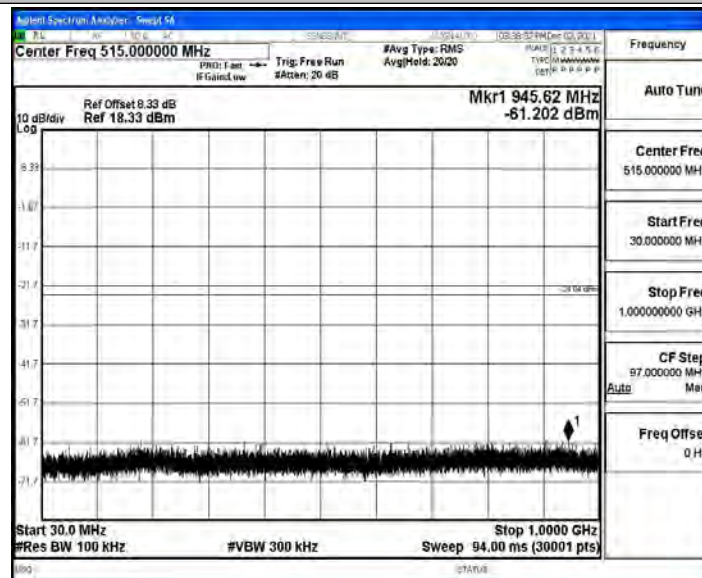
2DH5_Ant1_2402_1000~26500



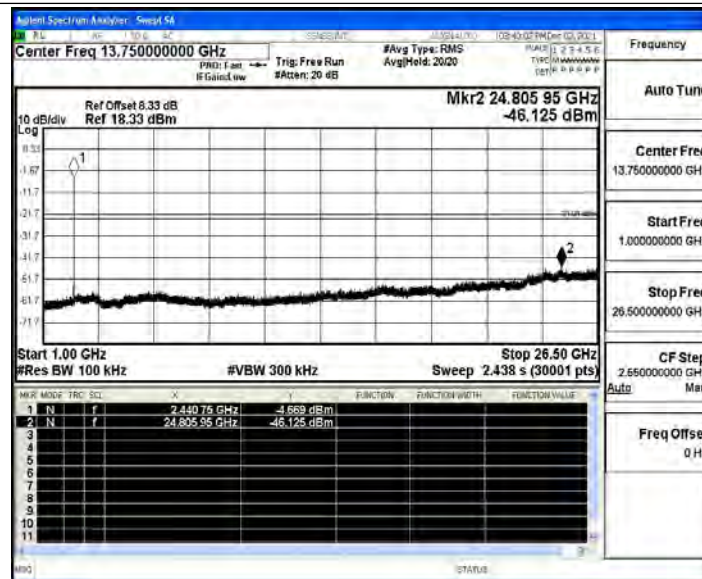
2DH5_Ant1_2441_0~Reference



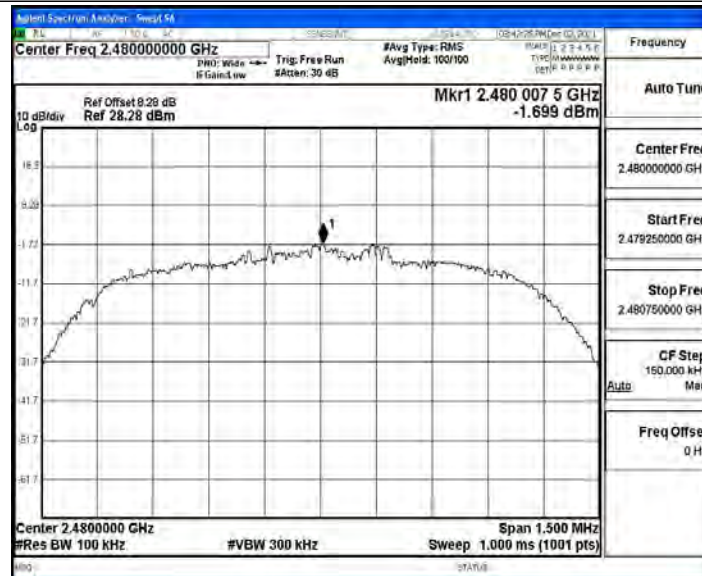
2DH5_Ant1_2441_30~1000



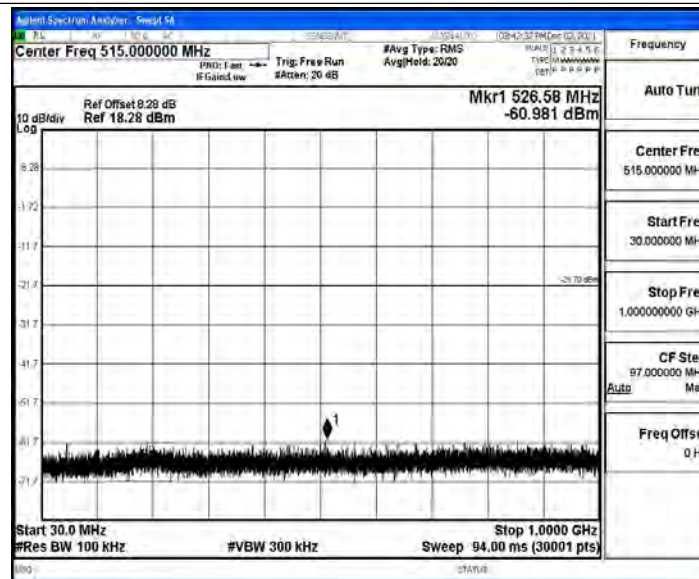
2DH5_Ant1_2441_1000~26500



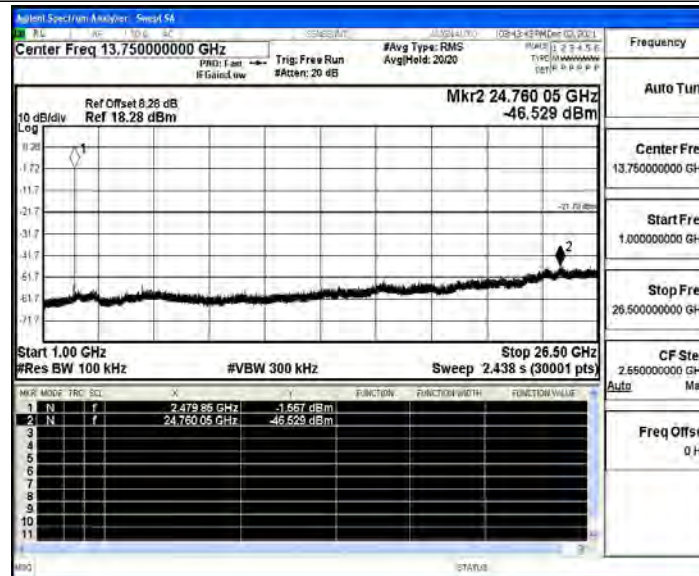
2DH5_Ant1_2480_0~Reference



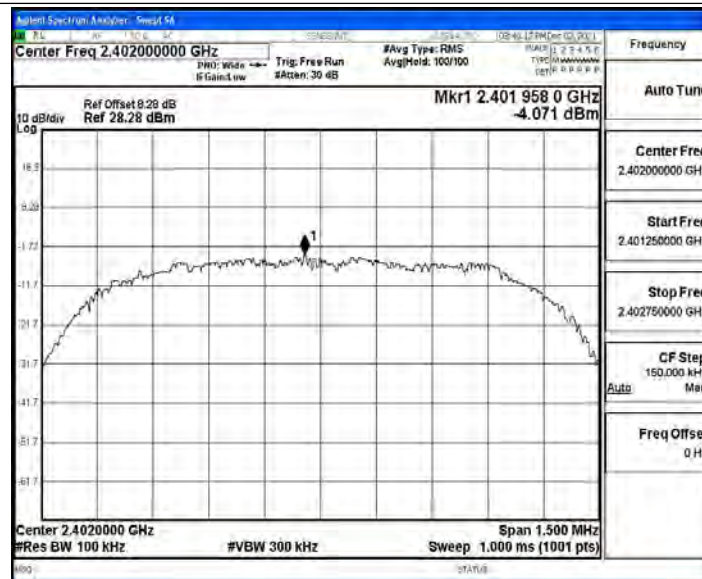
2DH5_Ant1_2480_30~1000



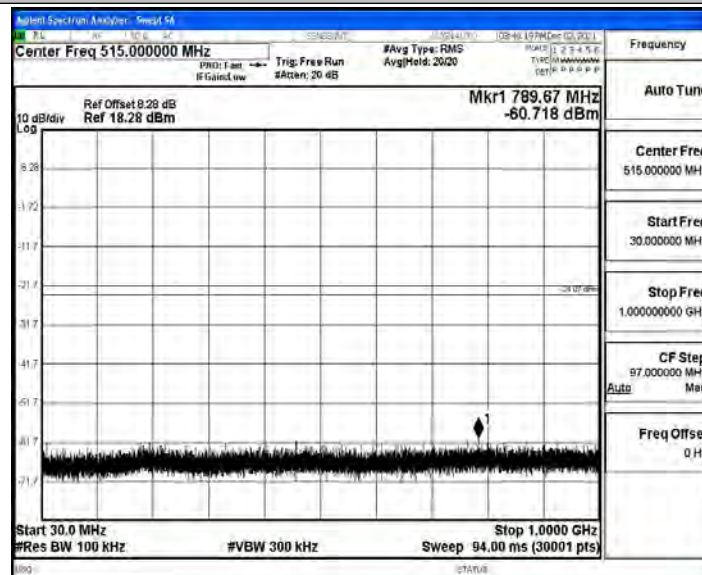
2DH5_Ant1_2480_1000~26500



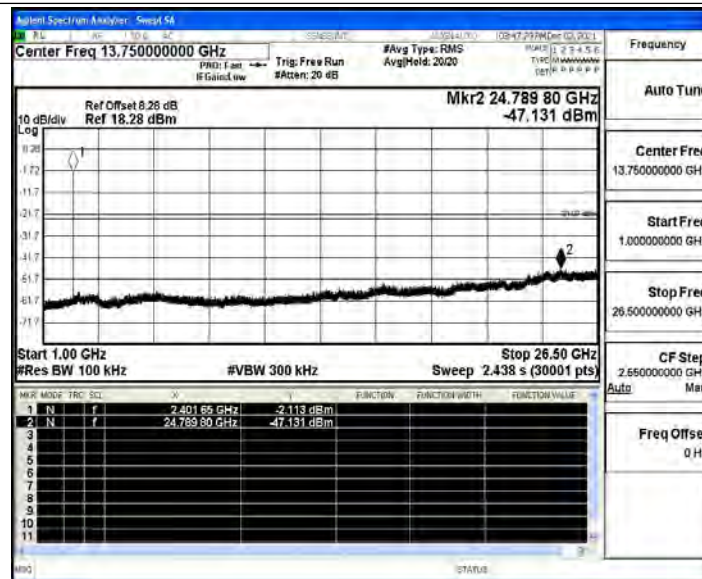
3DH5_Ant1_2402_0~Reference



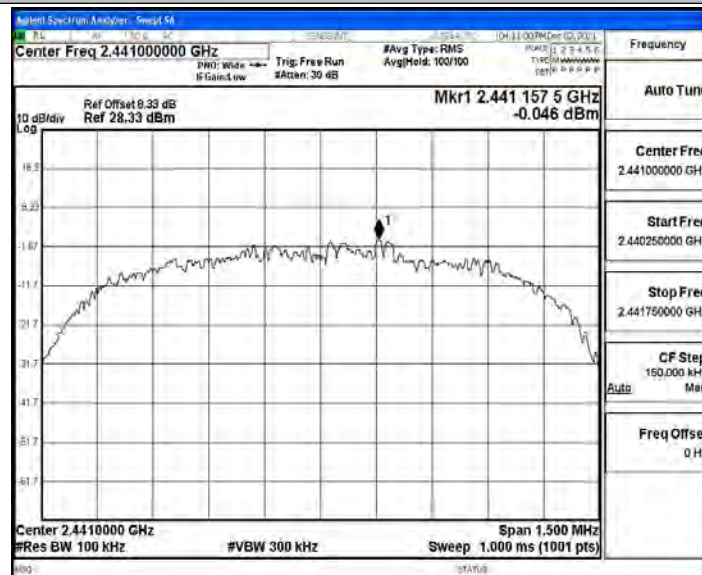
3DH5_Ant1_2402_30~1000



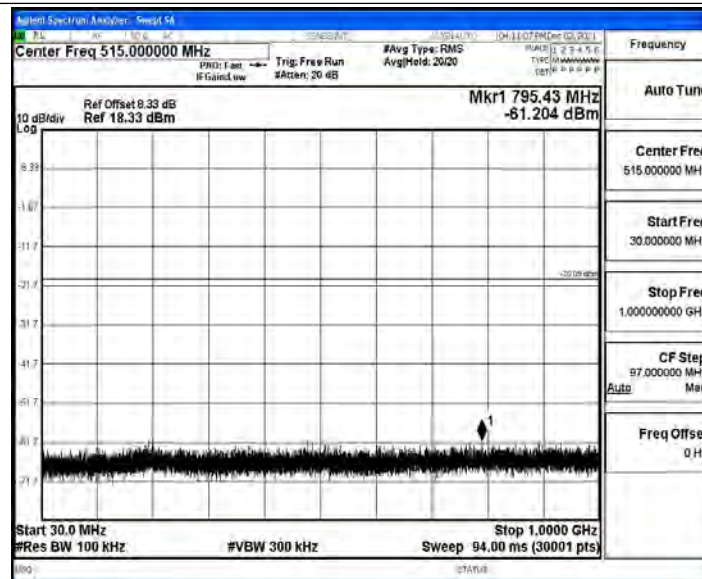
3DH5_Ant1_2402_1000~26500



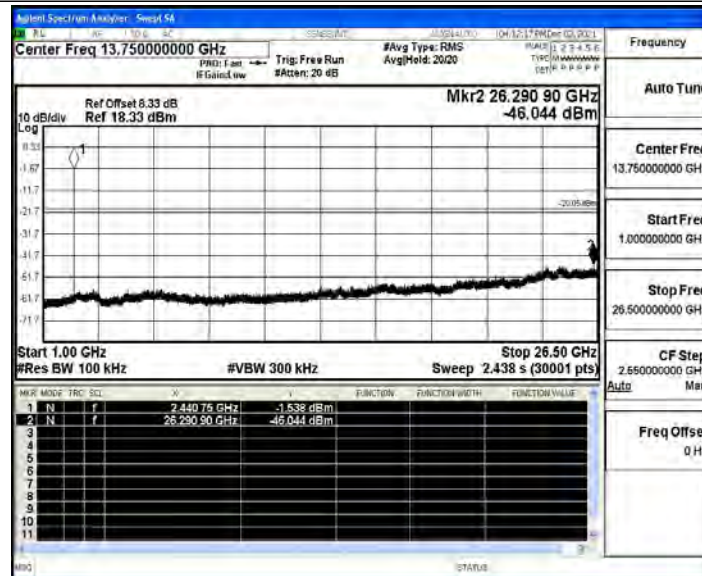
3DH5_Ant1_2441_0~Reference



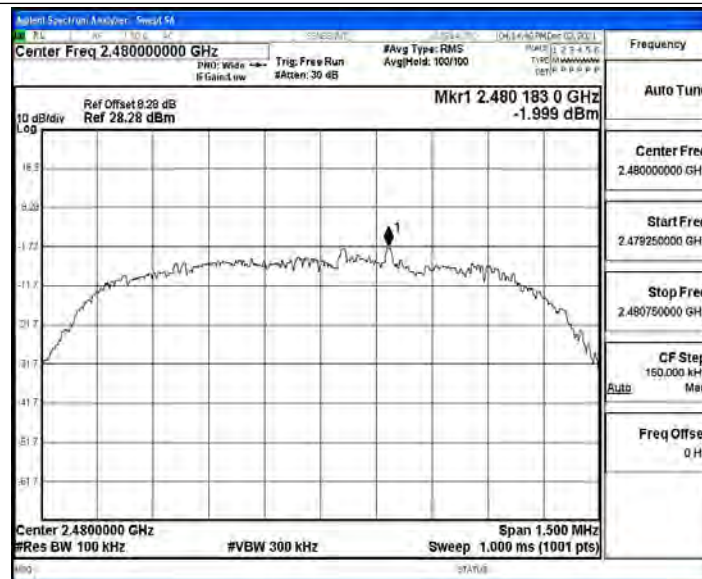
3DH5_Ant1_2441_30~1000



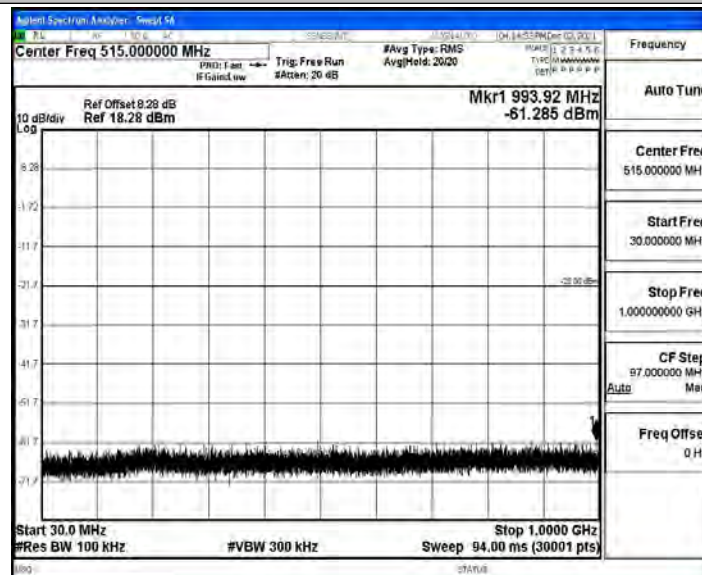
3DH5_Ant1_2441_1000~26500



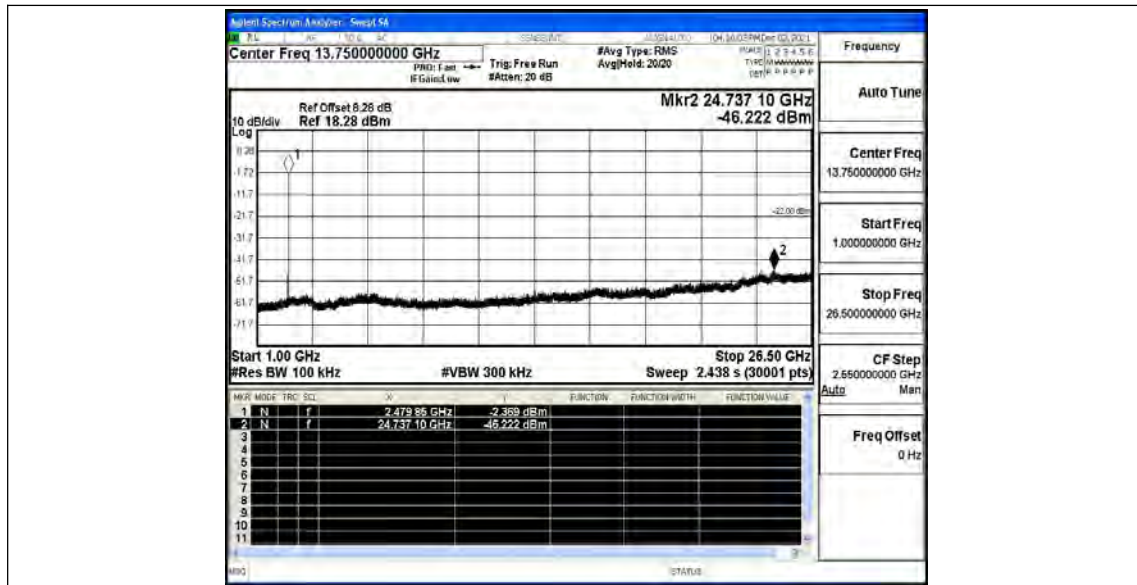
3DH5_Ant1_2480_0~Reference



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	-48.77	≤-41.20	46.43	≤54	PASS
				AV	2388.725	-48.22	≤-41.20	46.98	≤54	PASS
				AV	2390.000	-48.26	≤-41.20	46.94	≤54	PASS
				Peak	2310.000	-41.88	≤-21.20	53.32	≤74	PASS
				Peak	2319.320	-37.7	≤-21.20	57.50	≤74	PASS
				Peak	2390.000	-42.33	≤-21.20	52.87	≤74	PASS
		High	2480	AV	2483.500	-47.73	≤-41.20	47.47	≤54	PASS
				AV	2499.920	-47.61	≤-41.20	47.59	≤54	PASS
				AV	2500.000	-47.65	≤-41.20	47.55	≤54	PASS
				Peak	2483.500	-42.77	≤-21.20	52.43	≤74	PASS
				Peak	2485.440	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2500.000	-41.99	≤-21.20	53.21	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-40.66	≤-21.20	54.54	≤74	PASS
				Peak	2385.785	-37.61	≤-21.20	57.59	≤74	PASS
				Peak	2390.000	-39.19	≤-21.20	56.01	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-39.59	≤-21.20	55.61	≤74	PASS
				Peak	2486.160	-36.98	≤-21.20	58.22	≤74	PASS
				Peak	2500.000	-38.61	≤-21.20	56.59	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.74	≤-41.20	46.46	≤54	PASS
				AV	2389.670	-48.23	≤-41.20	46.97	≤54	PASS
				AV	2390.000	-48.23	≤-41.20	46.97	≤54	PASS
				Peak	2310.000	-42.35	≤-21.20	52.85	≤74	PASS
				Peak	2384.840	-38.98	≤-21.20	56.22	≤74	PASS
				Peak	2390.000	-42.15	≤-21.20	53.05	≤74	PASS
		High	2480	AV	2483.500	-47.63	≤-41.20	47.57	≤54	PASS
				AV	2483.520	-47.63	≤-41.20	47.57	≤54	PASS
				AV	2500.000	-47.83	≤-41.20	47.37	≤54	PASS
				Peak	2483.500	-42.09	≤-21.20	53.11	≤74	PASS
				Peak	2490.560	-38.84	≤-21.20	56.36	≤74	PASS
				Peak	2500.000	-40.38	≤-21.20	54.82	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-38.88	≤-21.20	56.32	≤74	PASS
				Peak	2389.145	-37.99	≤-21.20	57.21	≤74	PASS
				Peak	2390.000	-40	≤-21.20	55.20	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-40.24	≤-21.20	54.96	≤74	PASS
				Peak	2495.520	-37.56	≤-21.20	57.64	≤74	PASS
				Peak	2500.000	-39.19	≤-21.20	56.01	≤74	PASS



3DH5	Ant1	Low	2402	AV	2310.000	-48.63	≤-41.20	46.57	≤54	PASS
				AV	2387.570	-48.16	≤-41.20	47.04	≤54	PASS
				AV	2390.000	-48.37	≤-41.20	46.83	≤54	PASS
				Peak	2310.000	-43.41	≤-21.20	51.79	≤74	PASS
				Peak	2310.815	-39.01	≤-21.20	56.19	≤74	PASS
				Peak	2390.000	-42.93	≤-21.20	52.27	≤74	PASS
		High	2480	AV	2483.500	-47.69	≤-41.20	47.51	≤54	PASS
				AV	2497.280	-47.62	≤-41.20	47.58	≤54	PASS
				AV	2500.000	-47.8	≤-41.20	47.40	≤54	PASS
				Peak	2483.500	-41.23	≤-21.20	53.97	≤74	PASS
				Peak	2497.360	-39.36	≤-21.20	55.84	≤74	PASS
				Peak	2500.000	-42.04	≤-21.20	53.16	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.31	≤-21.20	54.89	≤74	PASS
				Peak	2376.860	-37.6	≤-21.20	57.60	≤74	PASS
				Peak	2390.000	-39.51	≤-21.20	55.69	≤74	PASS
		High	Hop_2480	Peak	2483.500	-39.82	≤-21.20	55.38	≤74	PASS
				Peak	2486.000	-37.33	≤-21.20	57.87	≤74	PASS
				Peak	2500.000	-37.61	≤-21.20	57.59	≤74	PASS

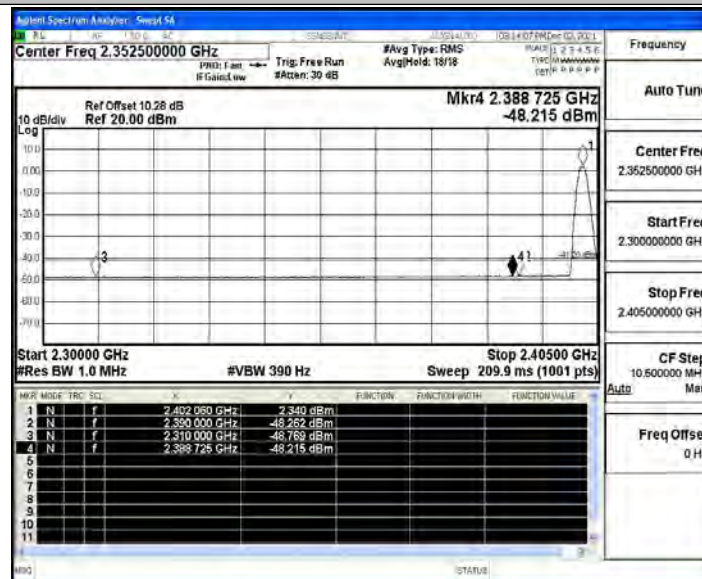
Note:

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.

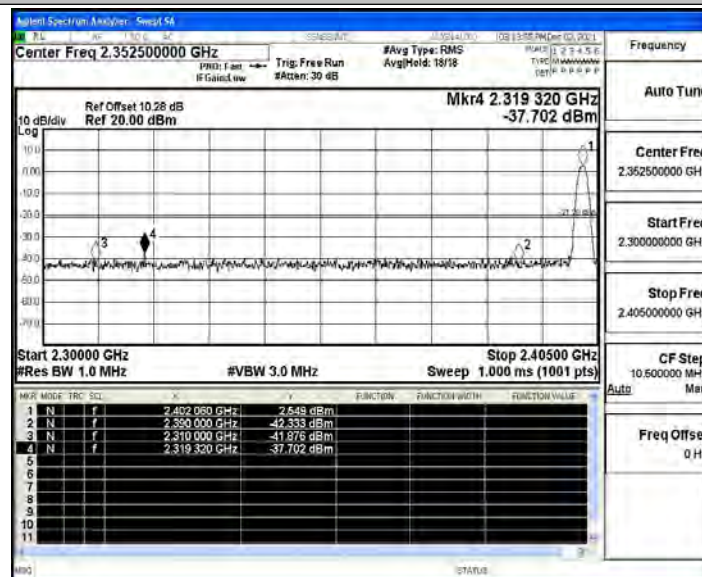


Test Graphs

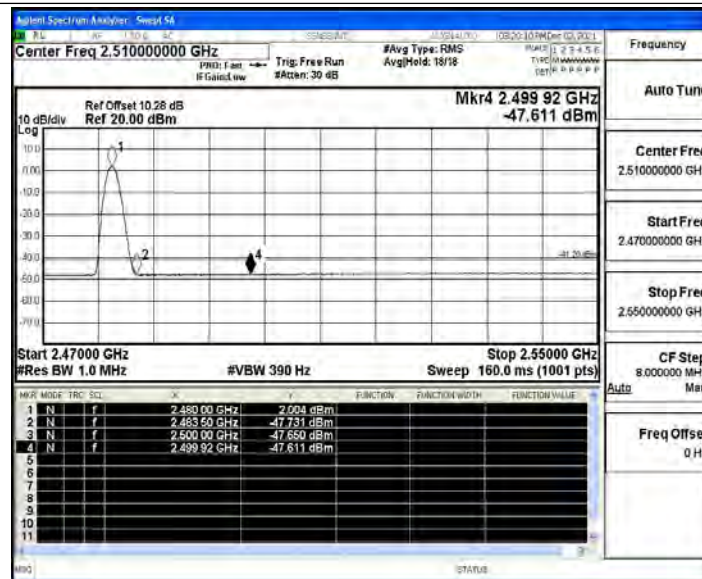
DH5_Ant1_Low_2402_AV



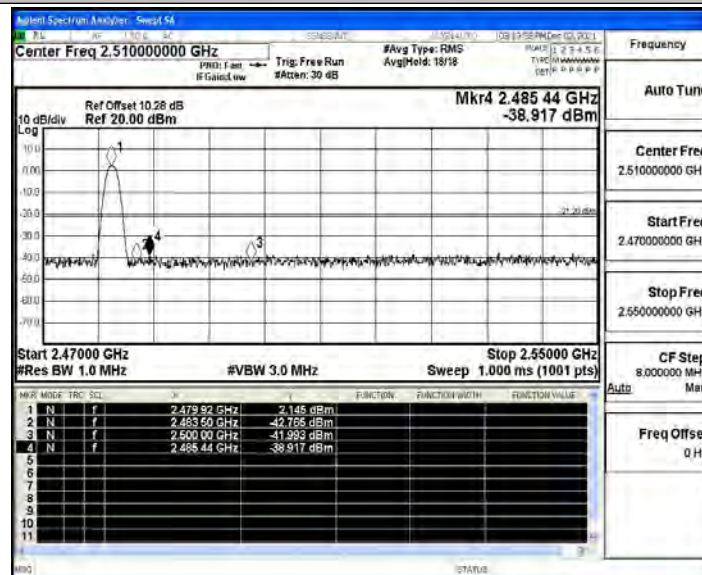
DH5_Ant1_Low_2402_Peak



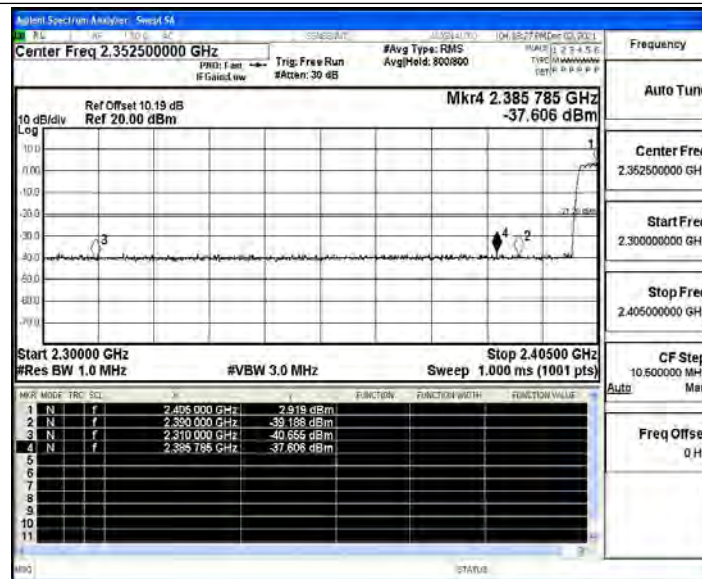
DH5_Ant1_High_2480_AV



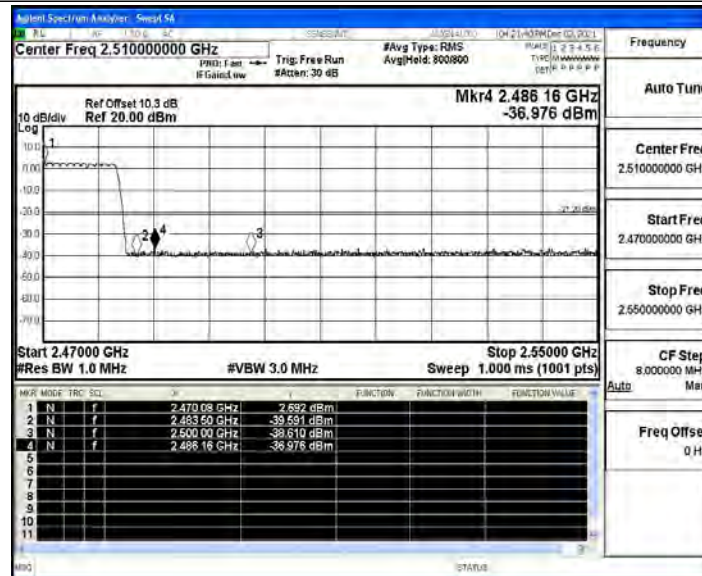
DH5_Ant1_High_2480_Peak



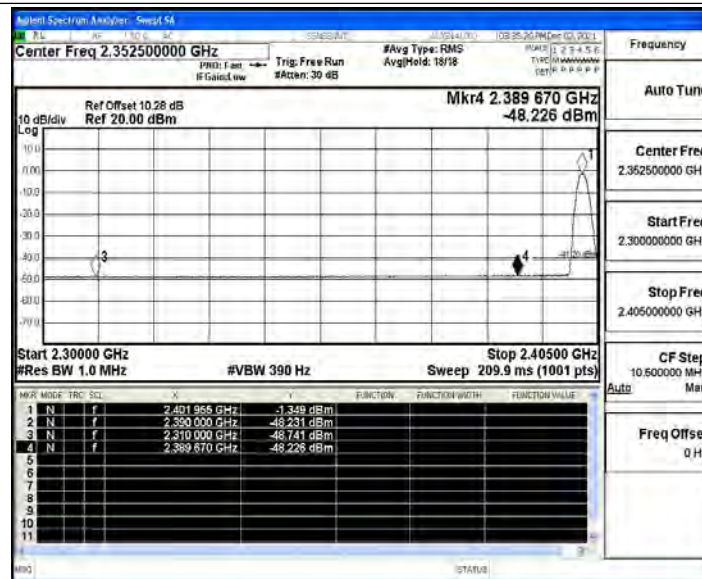
DH5_Ant1_Low_Hop_2402_Peak



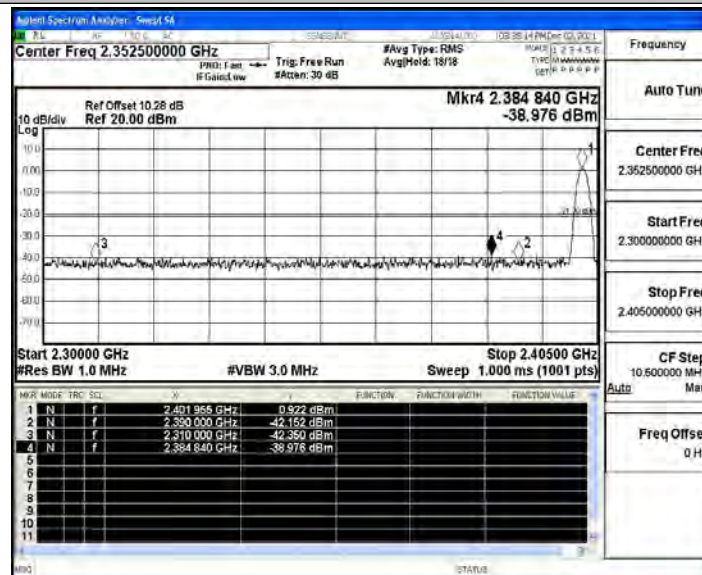
DH5_Ant1_High_Hop_2480_Peak



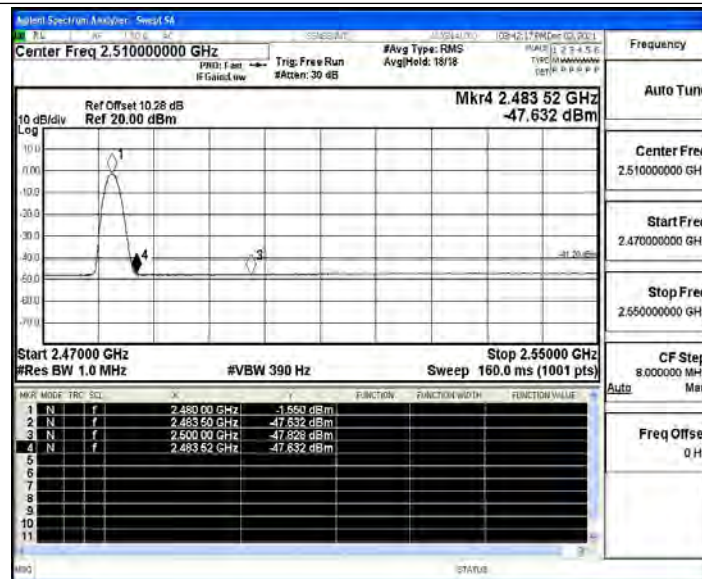
2DH5_Ant1_Low_2402_AV



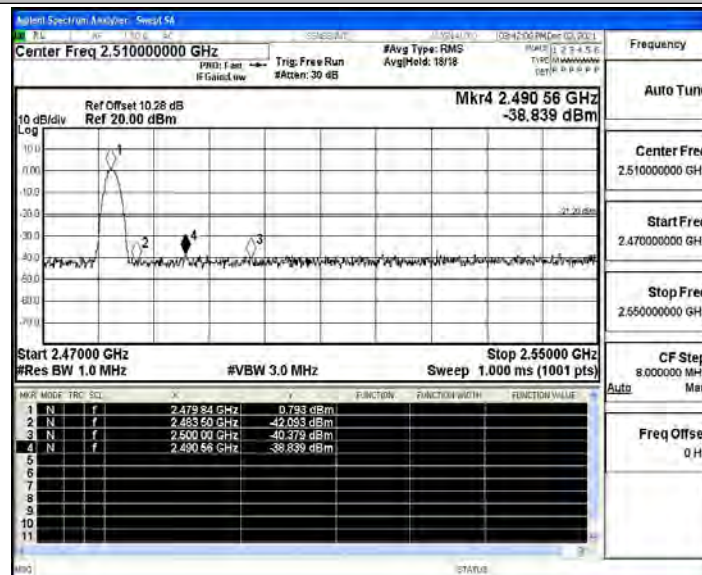
2DH5_Ant1_Low_2402_Peak



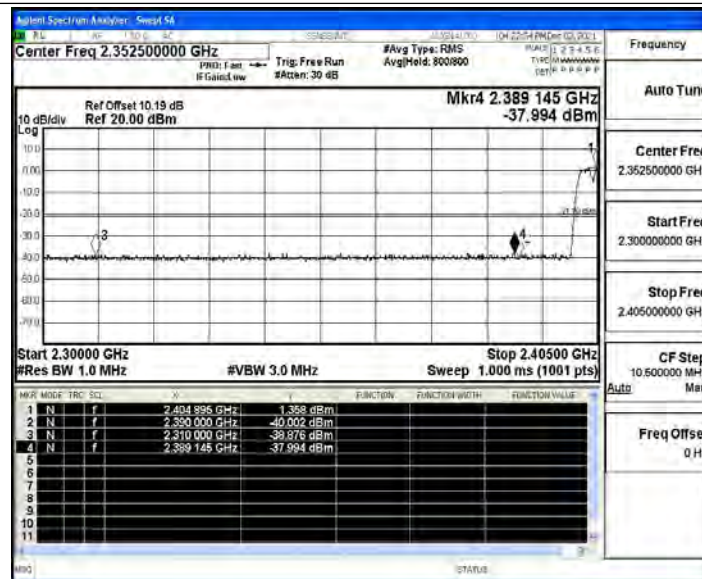
2DH5_Ant1_High_2480_AV



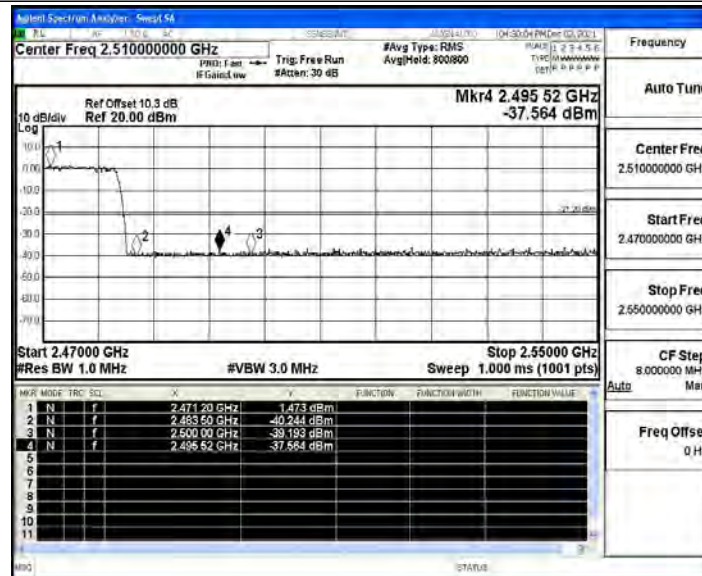
2DH5_Ant1_High_2480_Peak



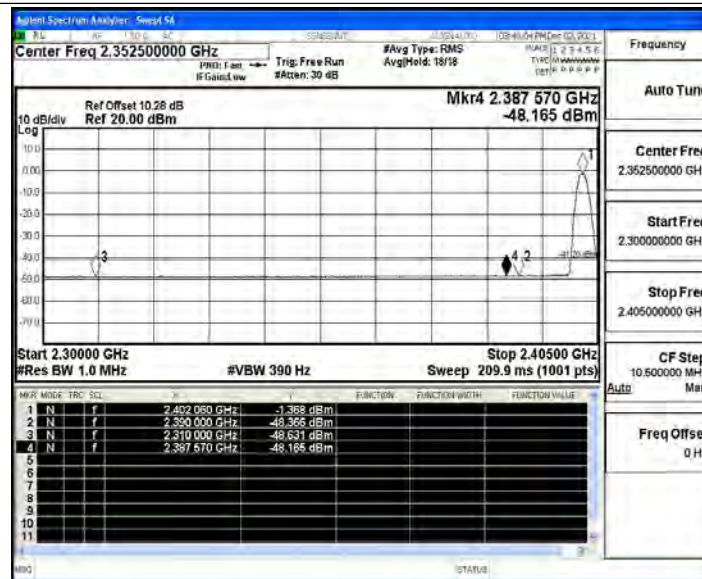
2DH5_Ant1_Low_Hop_2402_Peak



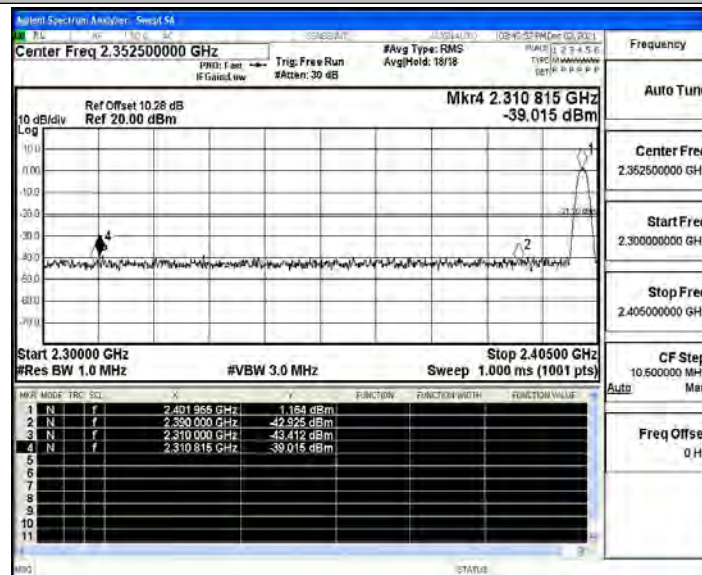
2DH5_Ant1_High_Hop_2480_Peak



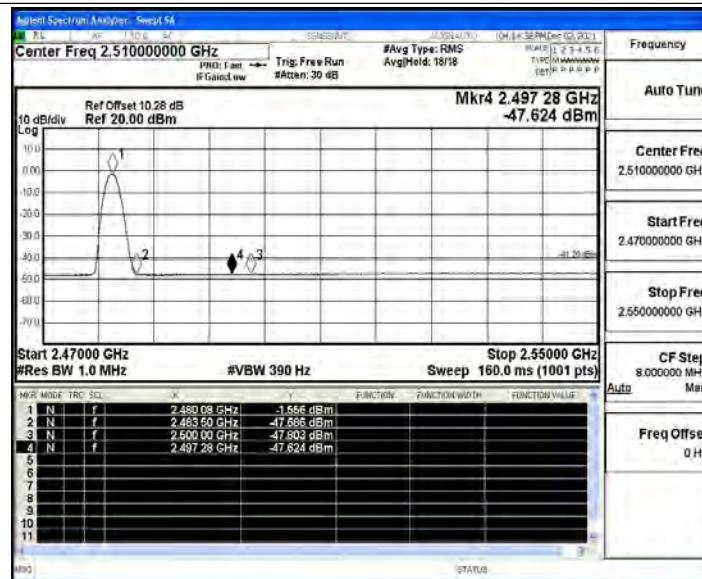
3DH5_Ant1_Low_2402_AV



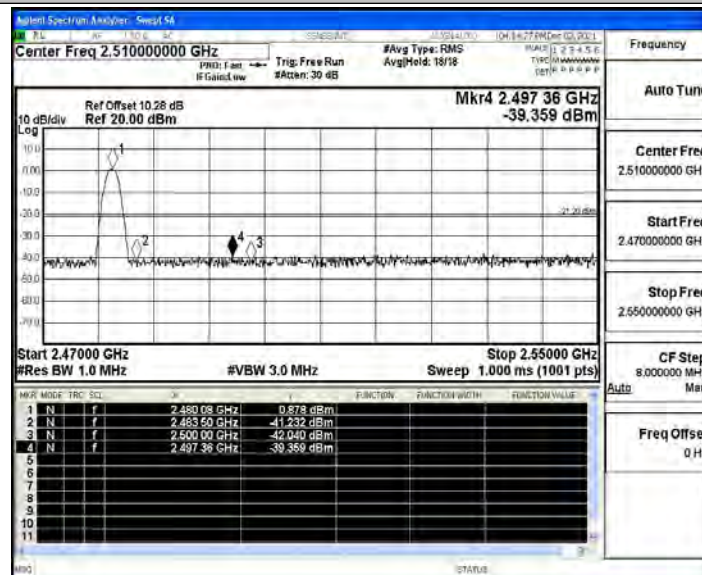
3DH5_Ant1_Low_2402_Peak



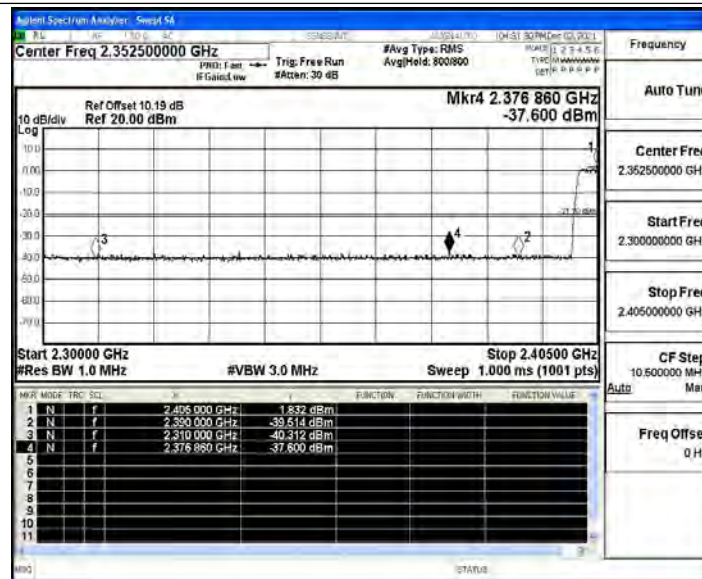
3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

