



Appendix A

RF Test Data for BT V4.1(DSS) (Conducted Measurement)

Product Name: TABLET PC

Test Model: RubensTab_T11

Environmental Conditions

Temperature:	23.7℃
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Wunder Wu
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

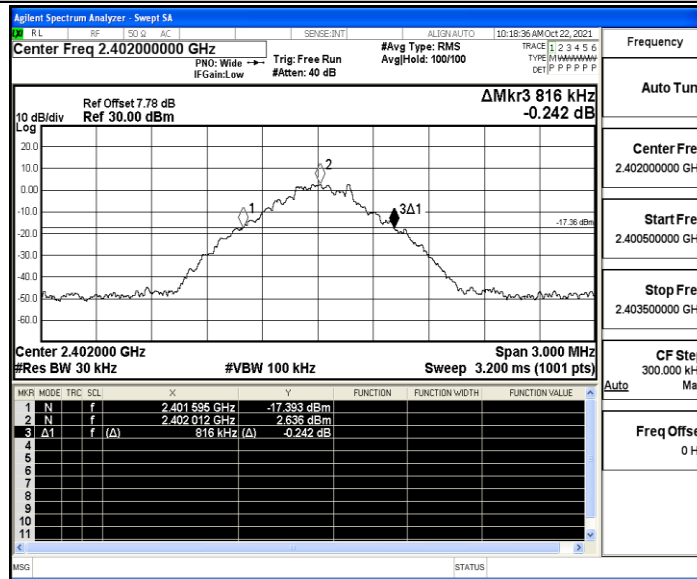
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.816	2401.595	2402.411	---	PASS
		2441	0.864	2440.553	2441.417	---	PASS
		2480	0.849	2479.565	2480.414	---	PASS
2DH5	Ant1	2402	1.353	2401.325	2402.678	---	PASS
		2441	1.332	2440.331	2441.663	---	PASS
		2480	1.275	2479.367	2480.642	---	PASS
3DH5	Ant1	2402	1.290	2401.355	2402.645	---	PASS
		2441	1.266	2440.358	2441.624	---	PASS
		2480	1.296	2479.352	2480.648	---	PASS

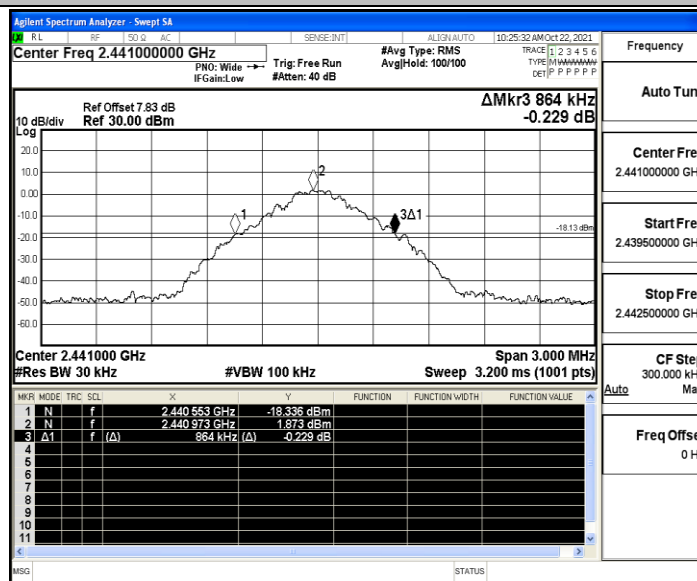


Test Graphs

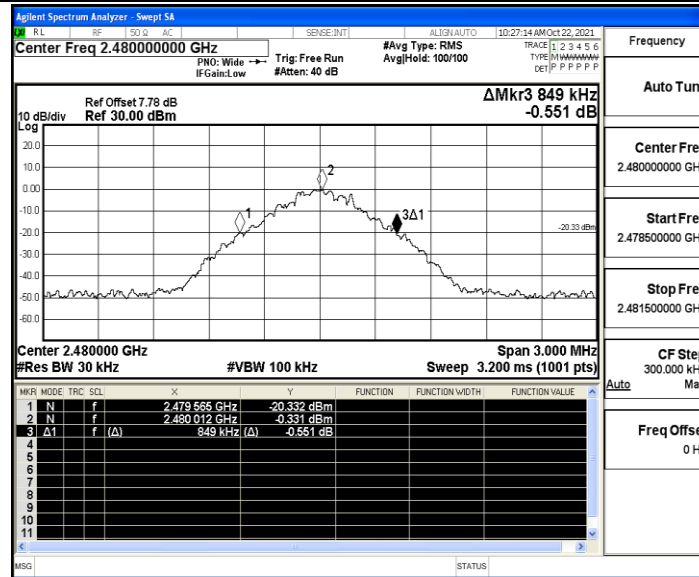
DH5_Ant1_2402



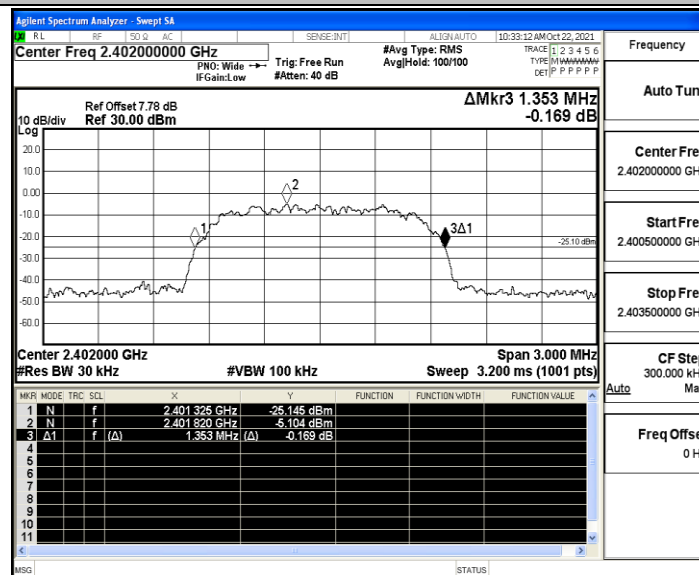
DH5_Ant1_2441



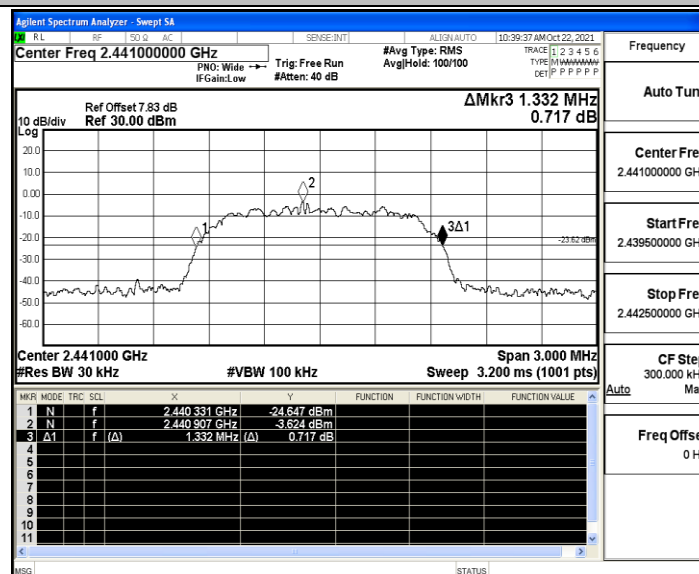
DH5_Ant1_2480



2DH5_Ant1_2402

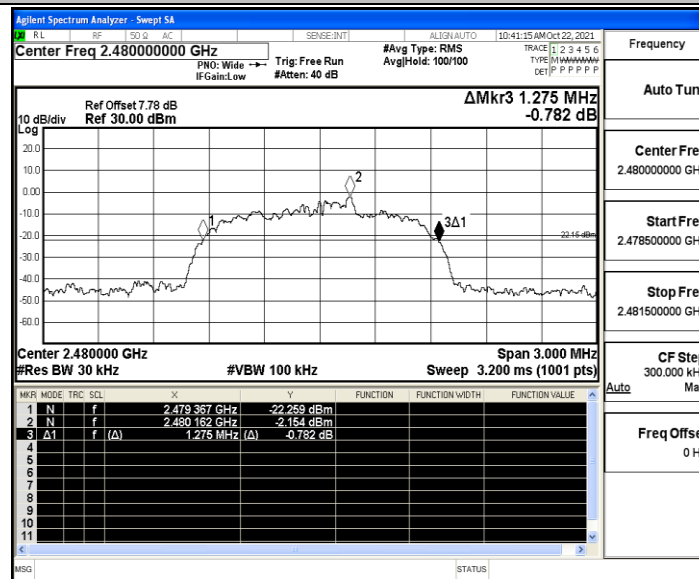


2DH5_Ant1_2441

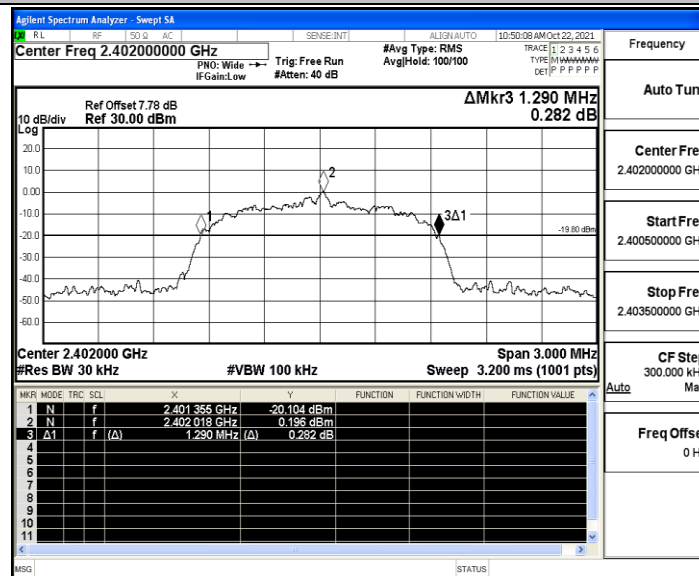




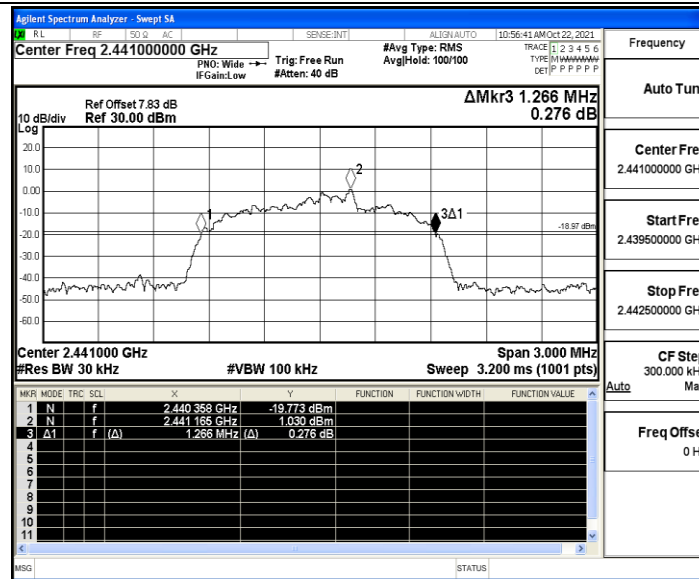
2DH5_Ant1_2480



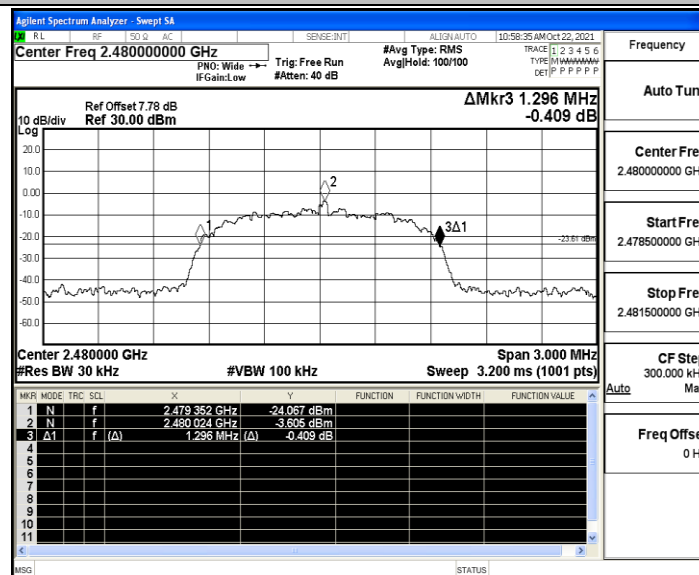
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

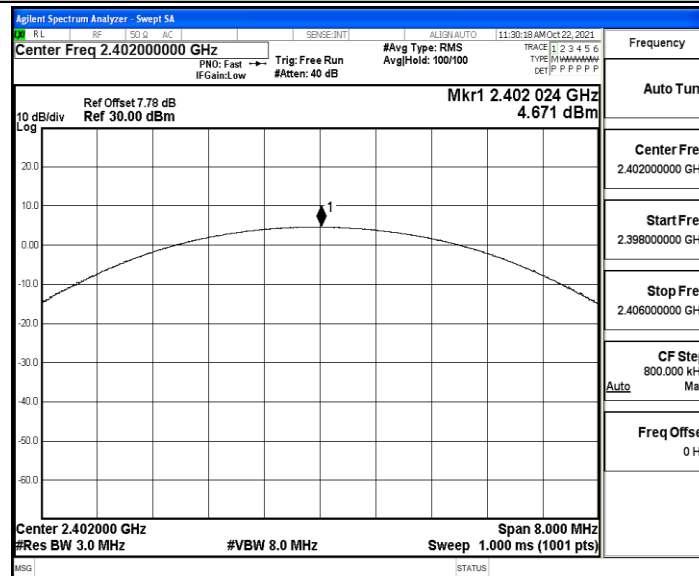
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.67	≤ 20.97	PASS
		2441	3.39	≤ 20.97	PASS
		2480	1.03	≤ 20.97	PASS
2DH5	Ant1	2402	3.88	≤ 20.97	PASS
		2441	2.68	≤ 20.97	PASS
		2480	0.46	≤ 20.97	PASS
3DH5	Ant1	2402	3.87	≤ 20.97	PASS
		2441	2.69	≤ 20.97	PASS
		2480	0.34	≤ 20.97	PASS

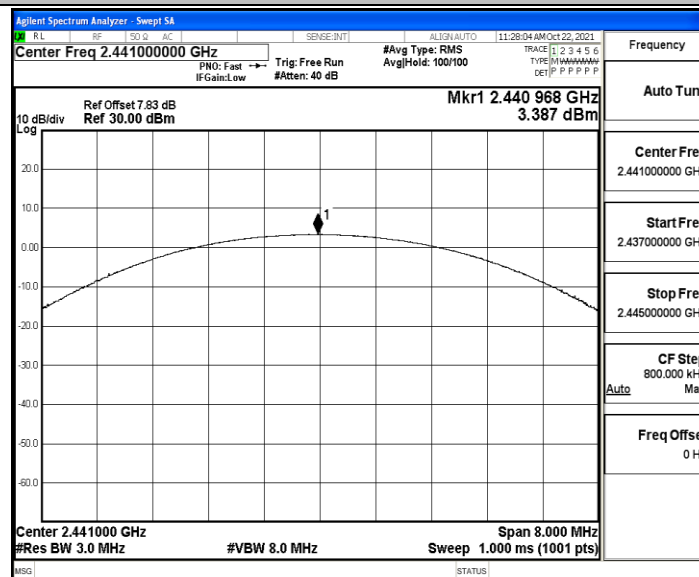


Test Graphs

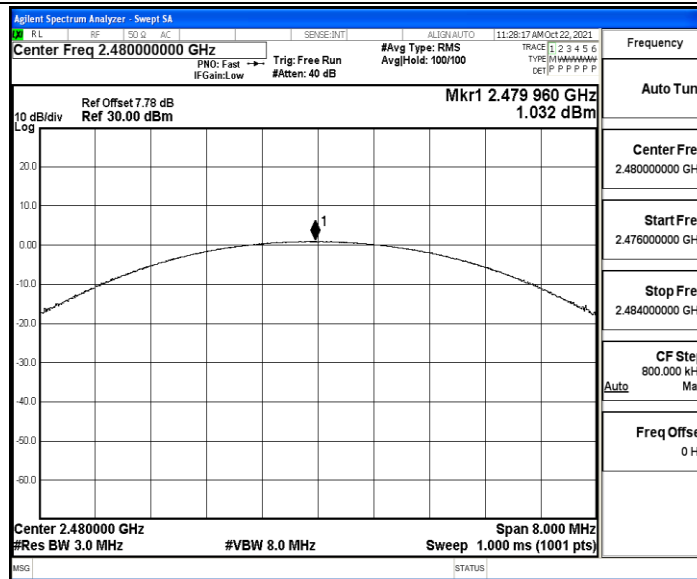
DH5_Ant1_2402



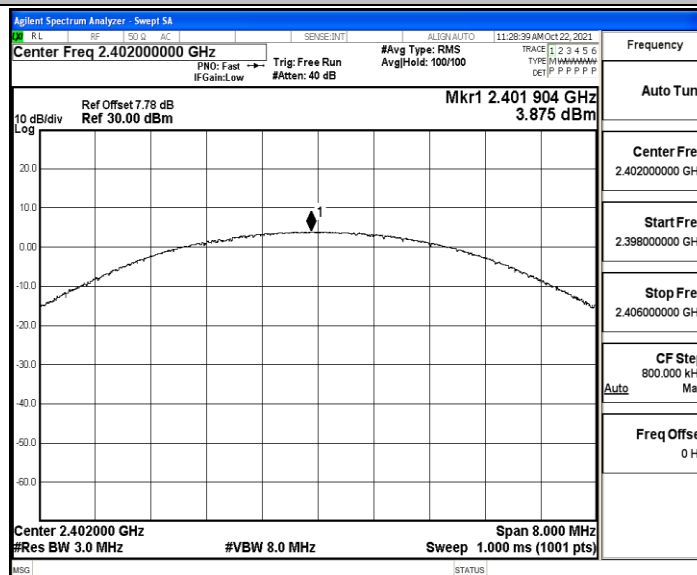
DH5_Ant1_2441



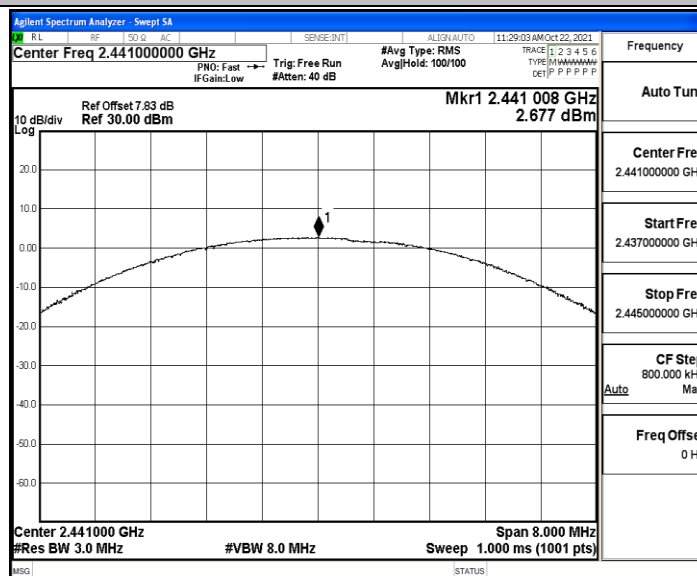
DH5_Ant1_2480



2DH5_Ant1_2402

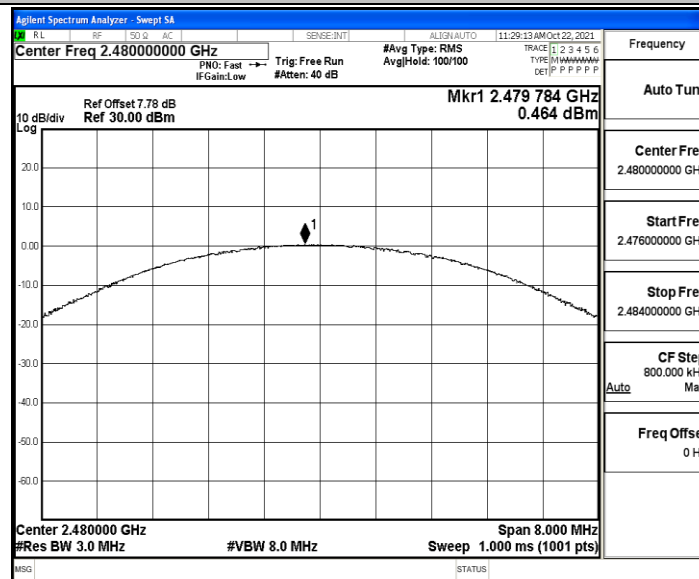


2DH5_Ant1_2441

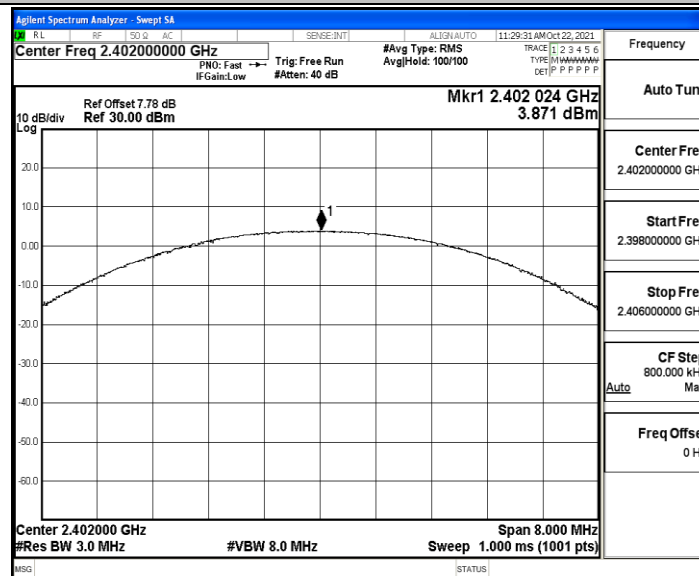




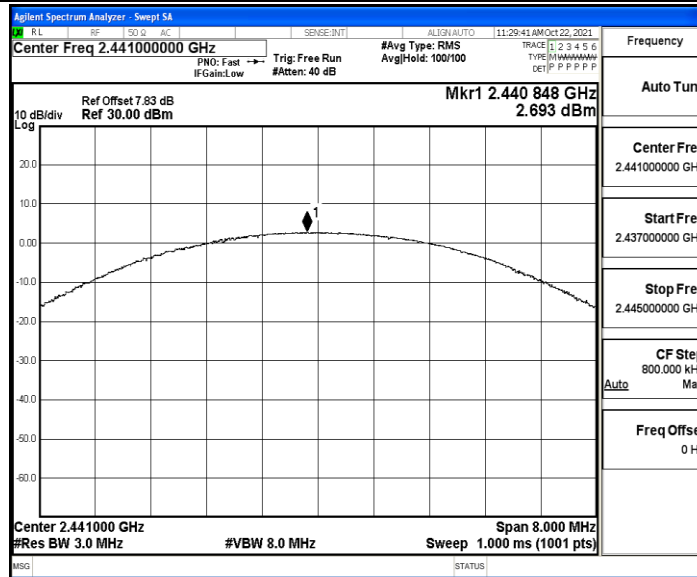
2DH5_Ant1_2480



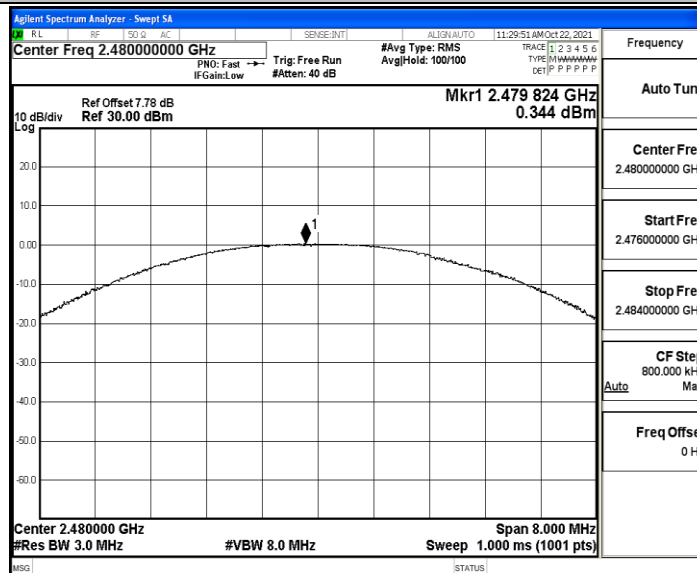
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

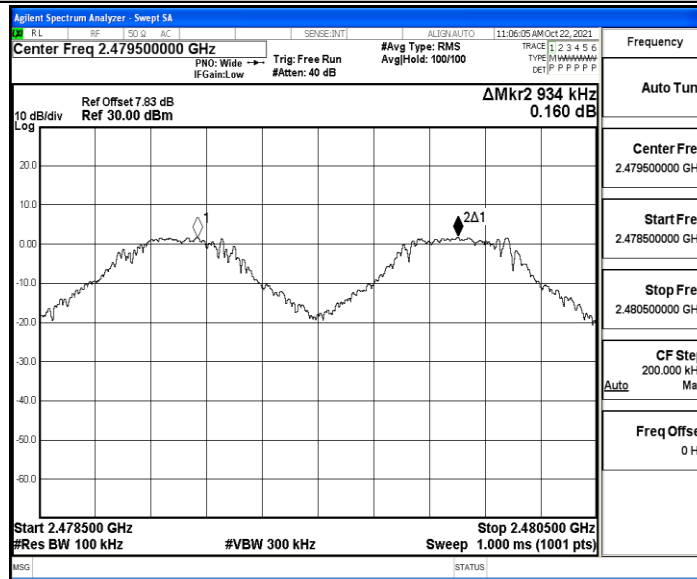
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.934	≥ 0.864	PASS
2DH5	Ant1	Hop	1.028	≥ 0.902	PASS
3DH5	Ant1	Hop	0.878	≥ 0.864	PASS

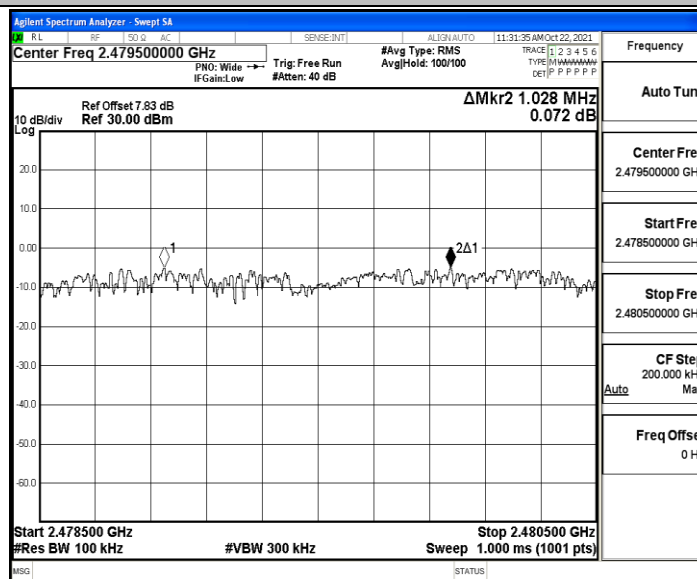


Test Graphs

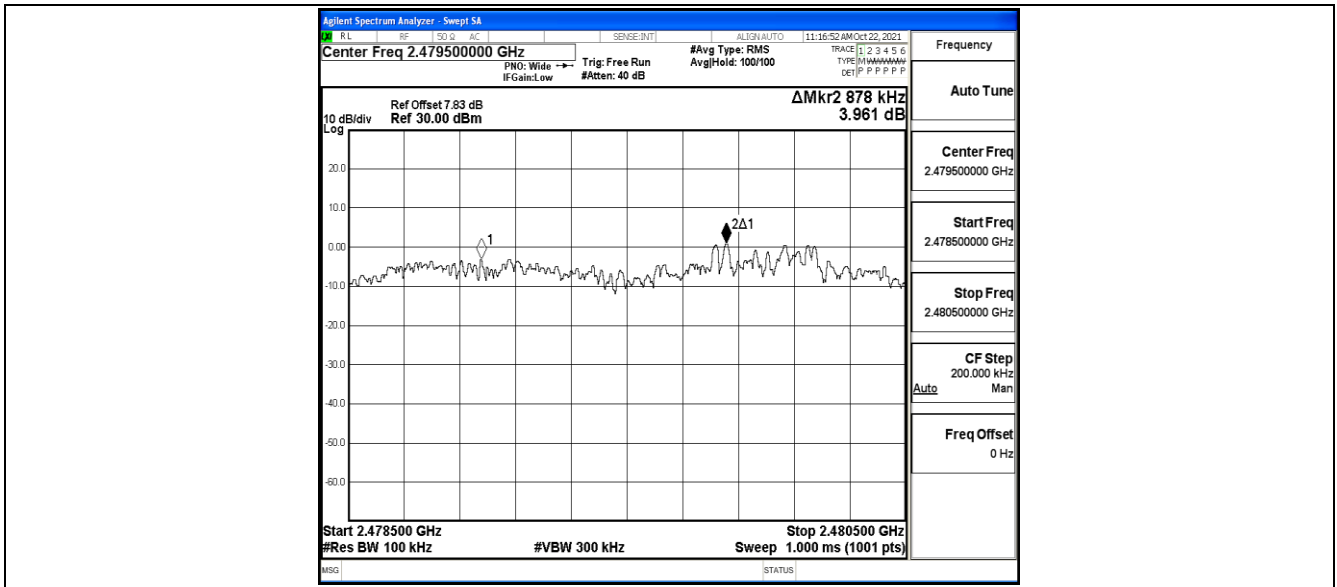
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

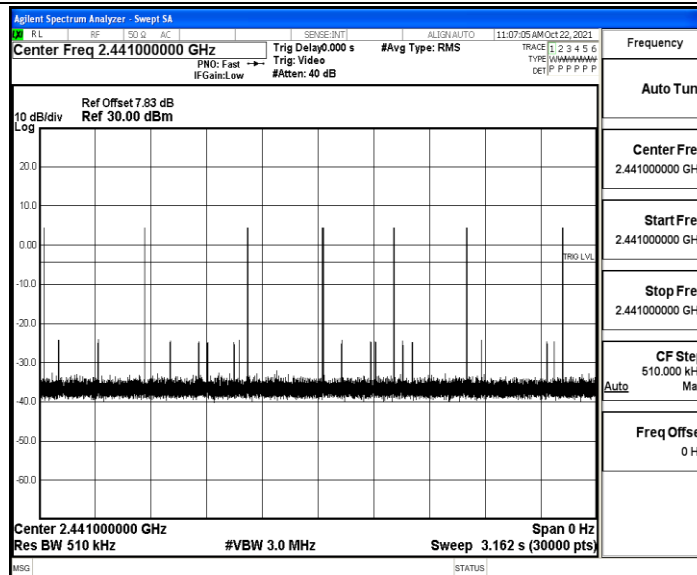
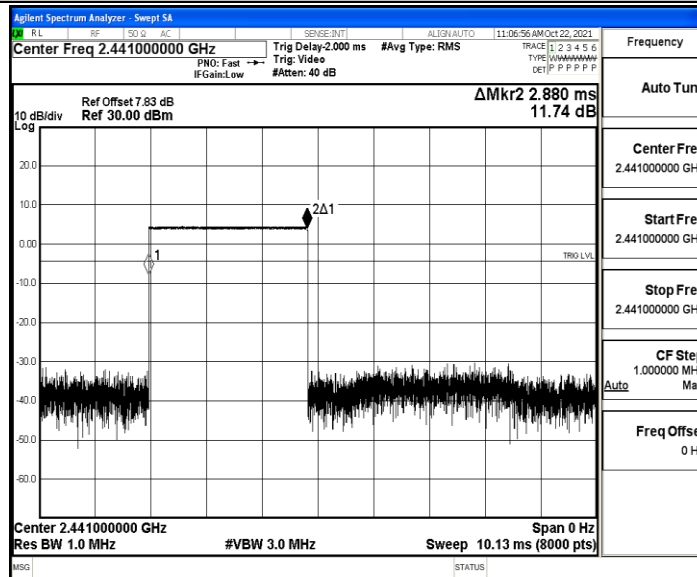
Test Result

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	2.89	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

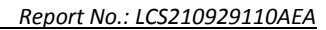


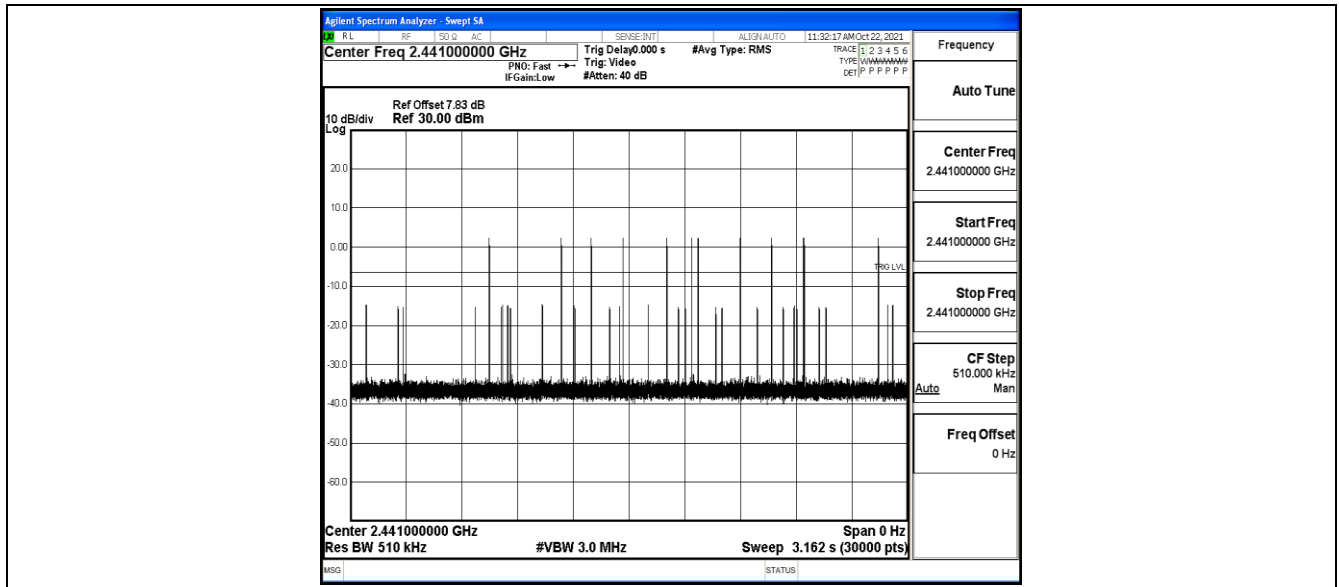
Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop







A.5 Number of hopping channels

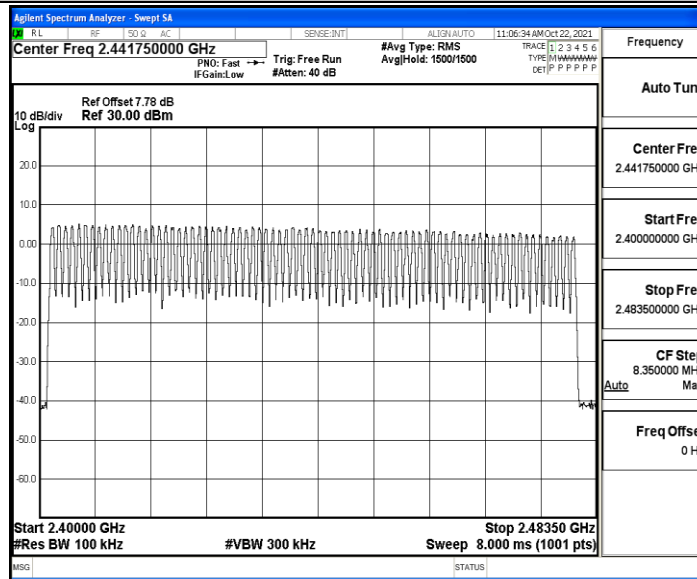
Test Result

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

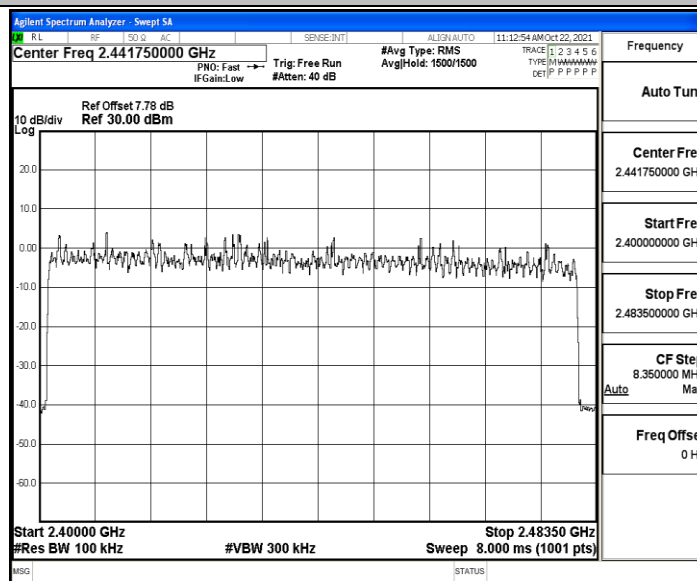


Test Graphs

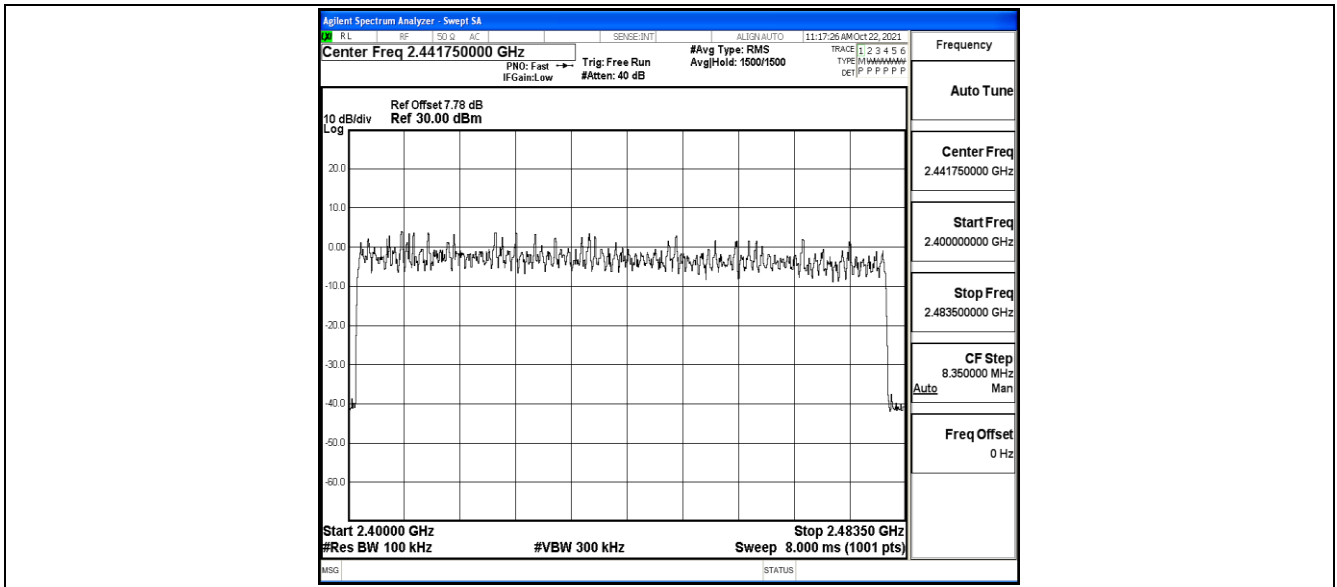
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

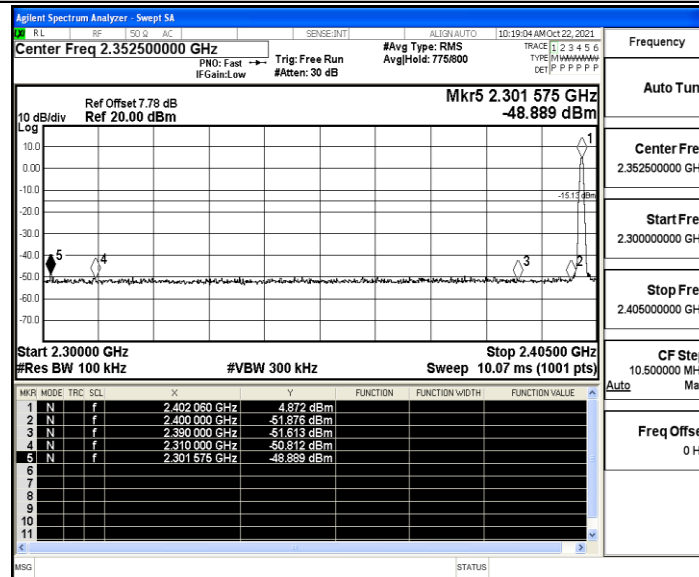
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.87	-48.89	≤ -15.13	PASS
		High	2480	2.14	-48.19	≤ -17.86	PASS
		Low	Hop_2402	4.04	-48.56	≤ -15.96	PASS
		High	Hop_2480	2.68	-49.13	≤ -17.32	PASS
2DH5	Ant1	Low	2402	3.40	-49.73	≤ -16.6	PASS
		High	2480	1.10	-48.19	≤ -18.9	PASS
		Low	Hop_2402	1.42	-49.67	≤ -18.58	PASS
		High	Hop_2480	0.55	-48.4	≤ -19.46	PASS
3DH5	Ant1	Low	2402	2.83	-49.84	≤ -17.17	PASS
		High	2480	0.46	-48.58	≤ -19.54	PASS
		Low	Hop_2402	-0.85	-49.33	≤ -20.85	PASS
		High	Hop_2480	0.36	-48.49	≤ -19.64	PASS

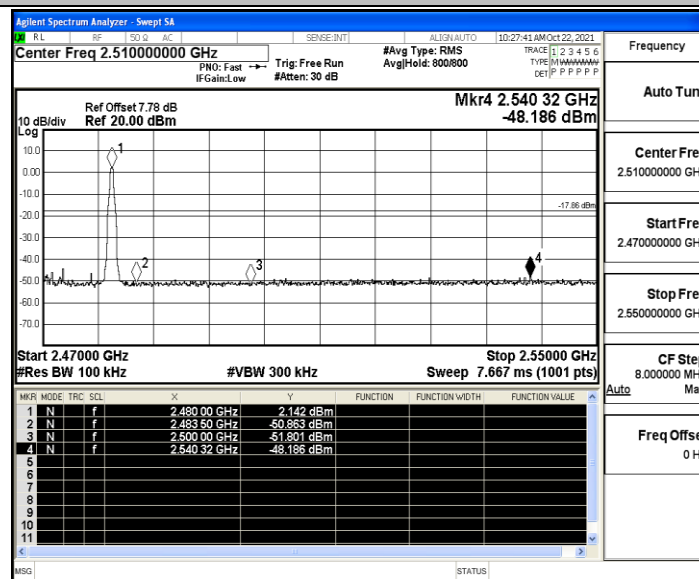


Test Graphs

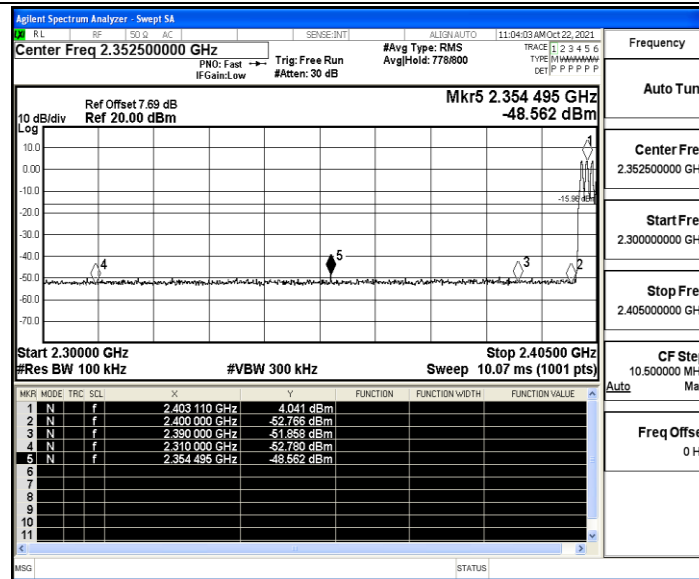
DH5_Ant1_Low_2402



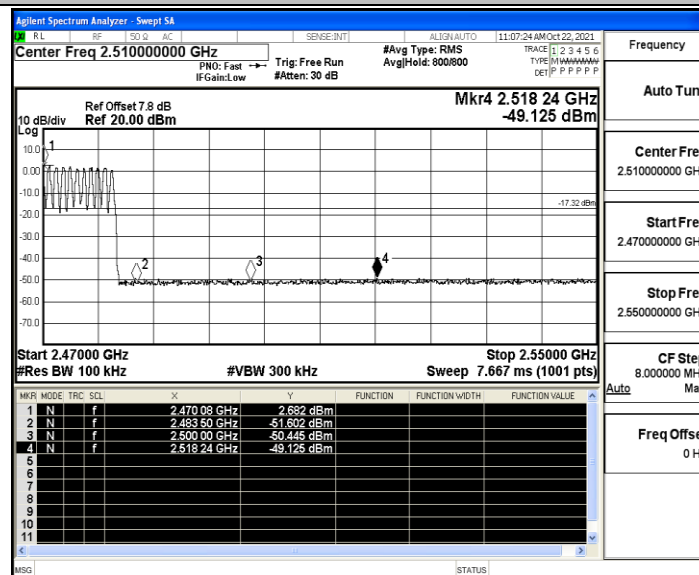
DH5_Ant1_High_2480



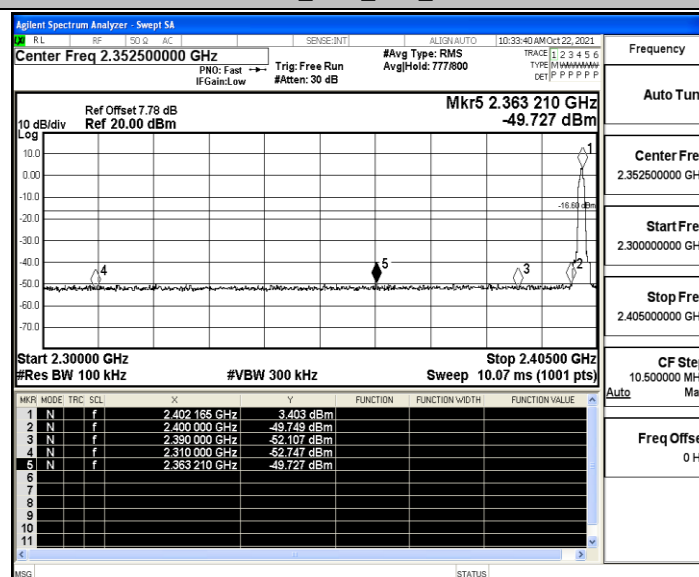
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

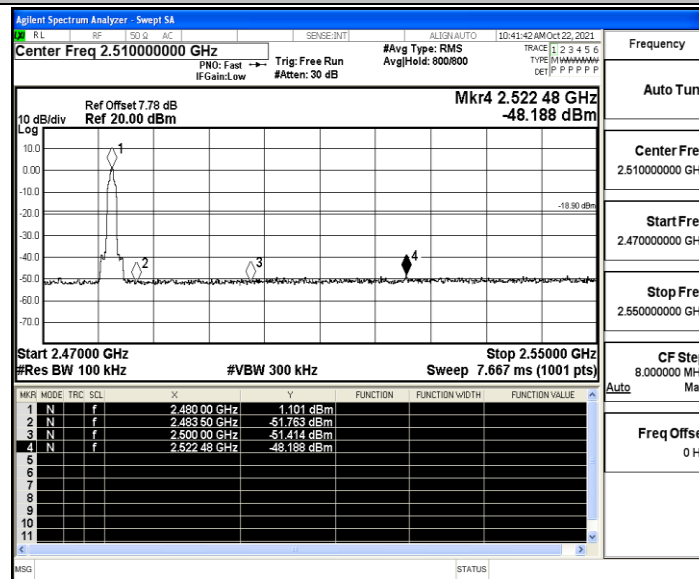


2DH5_Ant1_Low_2402

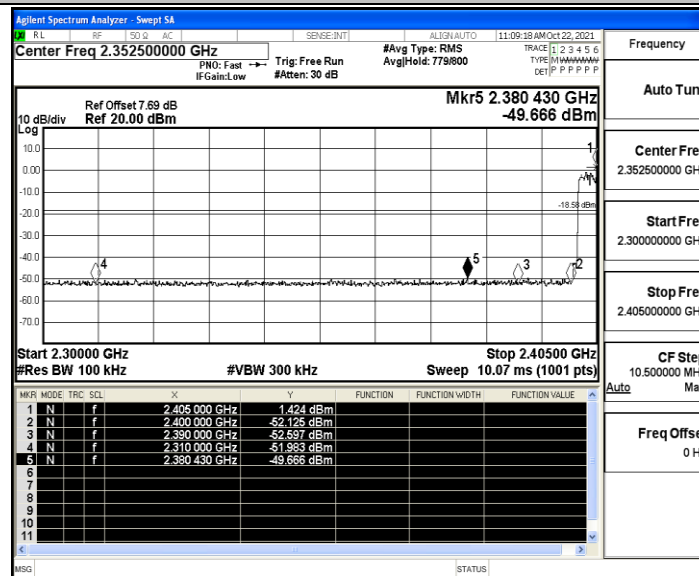




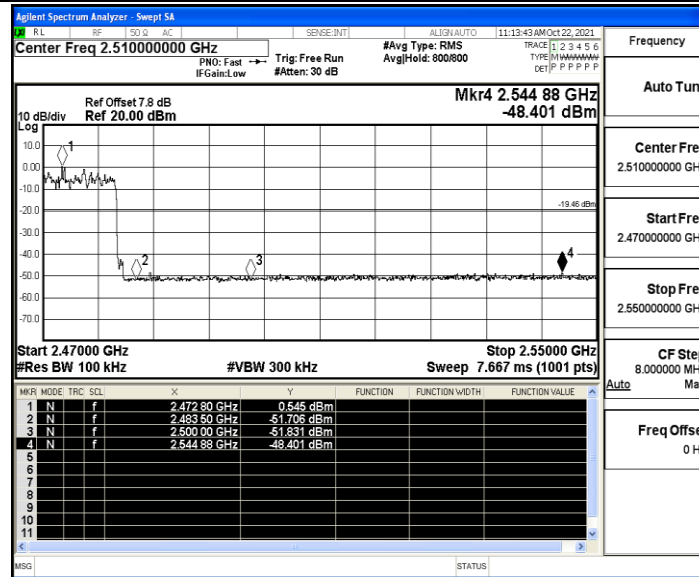
2DH5_Ant1_High_2480



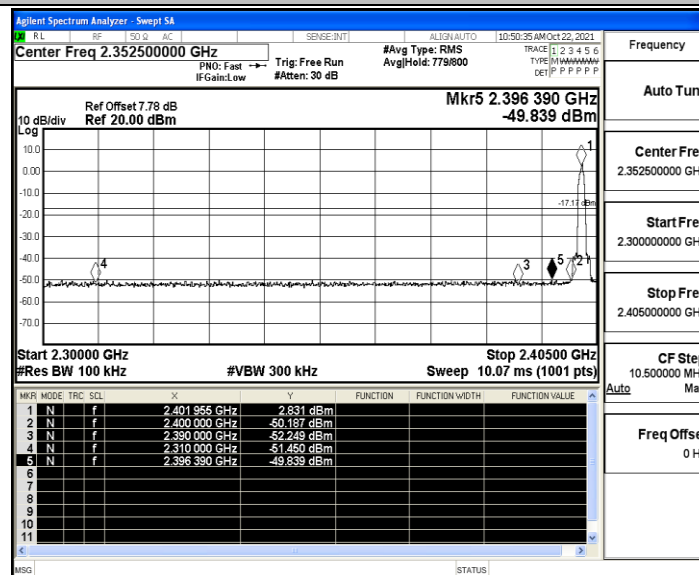
2DH5_Ant1_Low_Hop_2402



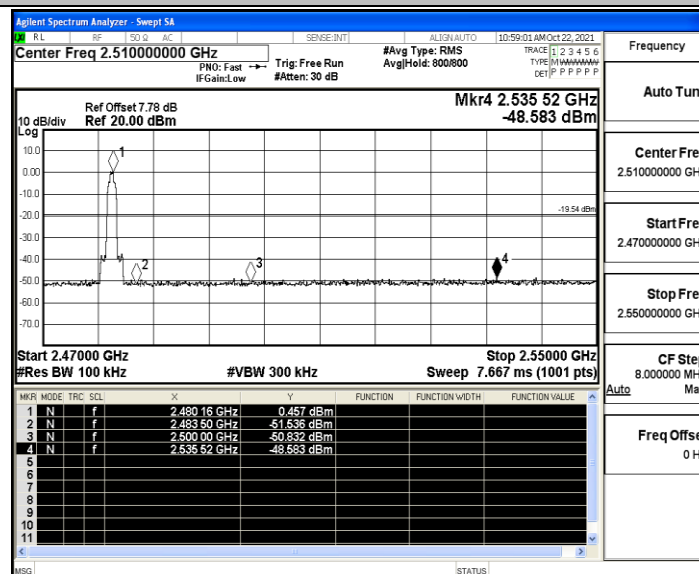
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

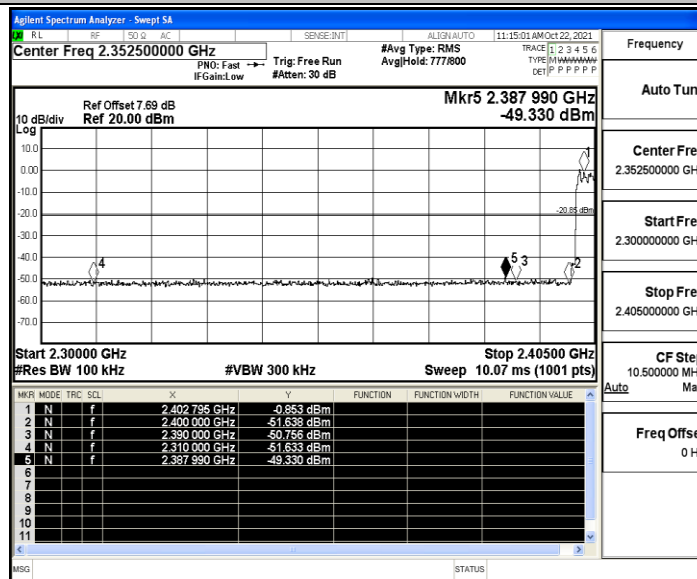


3DH5_Ant1_High_2480

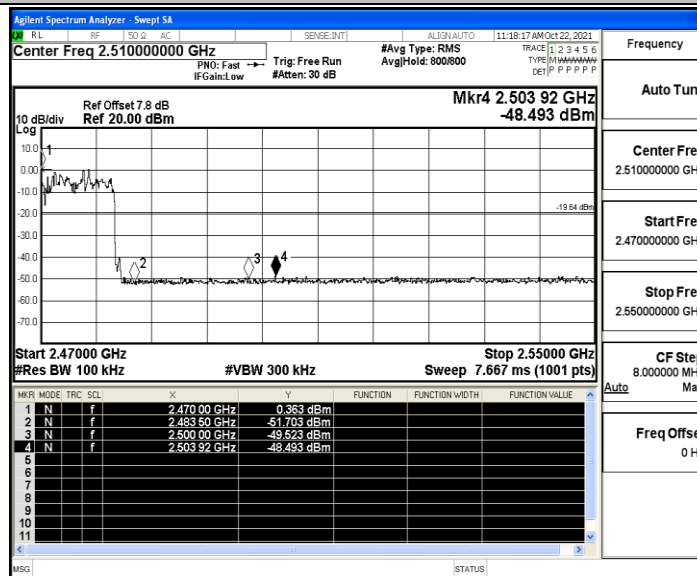




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

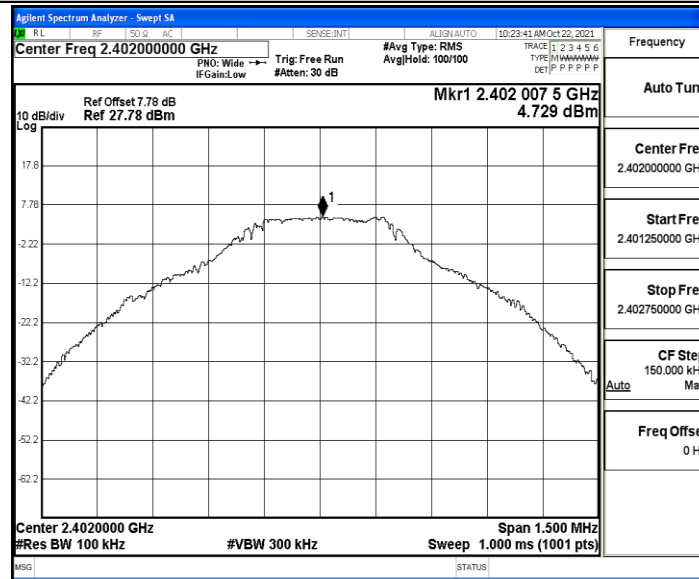
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.73	4.73	---	PASS
			30~1000	4.73	-61.9	≤ -15.27	PASS
			1000~26500	4.73	-42.6	≤ -15.27	PASS
		2441	Reference	3.74	3.74	---	PASS
			30~1000	3.74	-62.08	≤ -16.26	PASS
			1000~26500	3.74	-40.15	≤ -16.26	PASS
		2480	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-61.94	≤ -18.33	PASS
			1000~26500	1.67	-34.23	≤ -18.33	PASS
2DH5	Ant1	2402	Reference	4.30	4.30	---	PASS
			30~1000	4.30	-61.29	≤ -15.7	PASS
			1000~26500	4.30	-33.29	≤ -15.7	PASS
		2441	Reference	3.06	3.06	---	PASS
			30~1000	3.06	-61.45	≤ -16.94	PASS
			1000~26500	3.06	-32.52	≤ -16.94	PASS
		2480	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-60.47	≤ -19.21	PASS
			1000~26500	0.79	-47.84	≤ -19.21	PASS
3DH5	Ant1	2402	Reference	3.78	3.78	---	PASS
			30~1000	3.78	-61.66	≤ -16.22	PASS
			1000~26500	3.78	-32.48	≤ -16.22	PASS
		2441	Reference	3.09	3.09	---	PASS
			30~1000	3.09	-61.8	≤ -16.91	PASS
			1000~26500	3.09	-47.1	≤ -16.91	PASS
		2480	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-61.84	≤ -22.94	PASS
			1000~26500	-2.94	-47.11	≤ -22.94	PASS

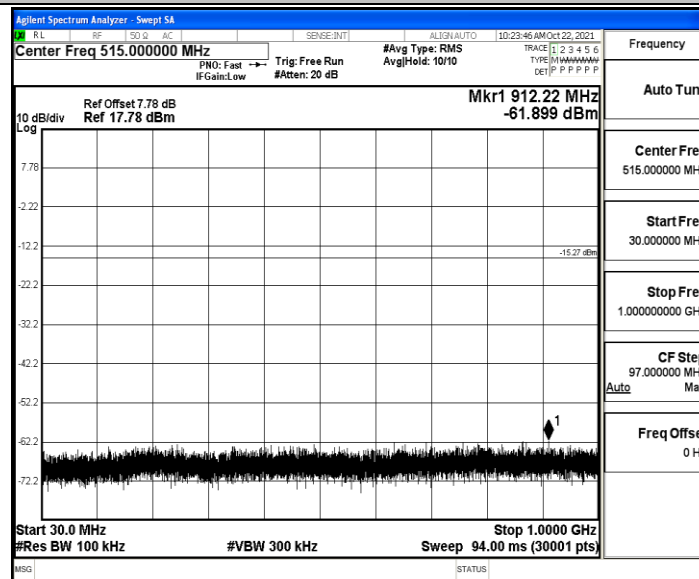


Test Graphs

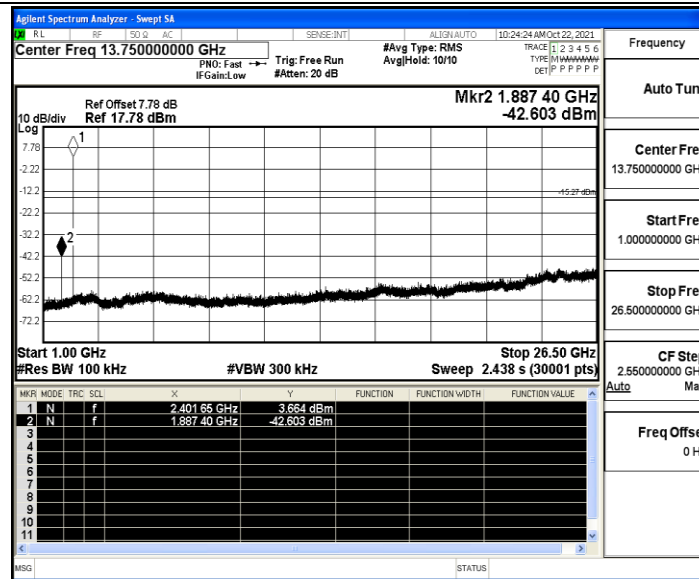
DH5_Ant1_2402_0-Reference



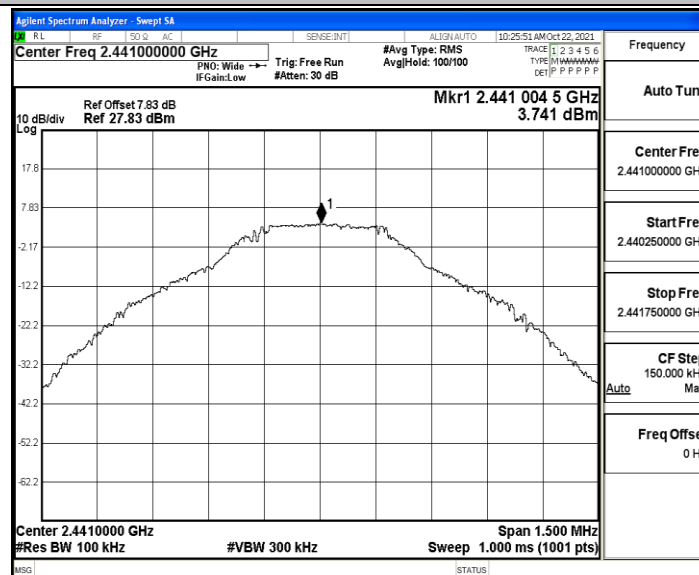
DH5_Ant1_2402_30~1000



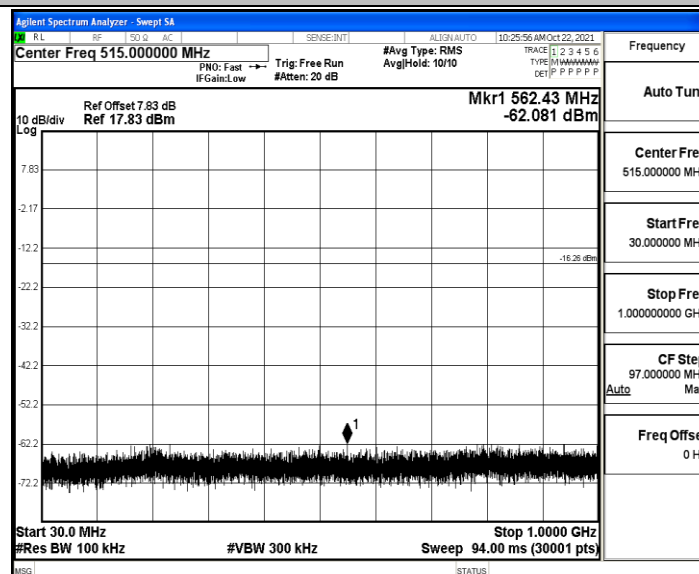
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0-Reference

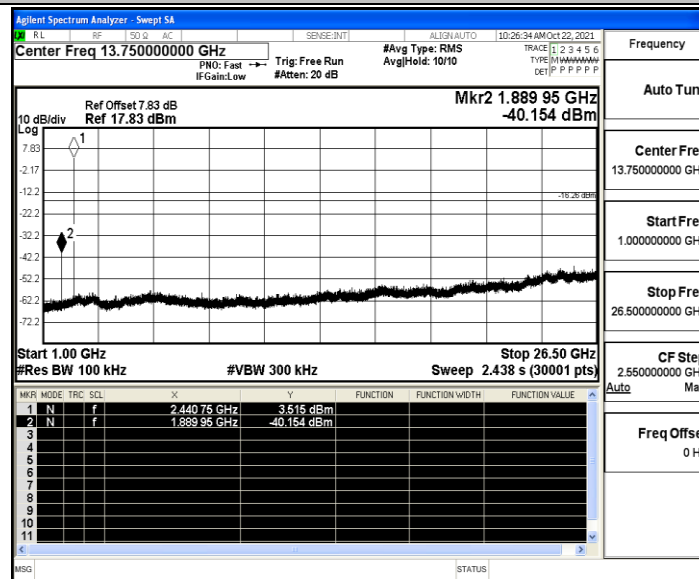


DH5_Ant1_2441_30~1000

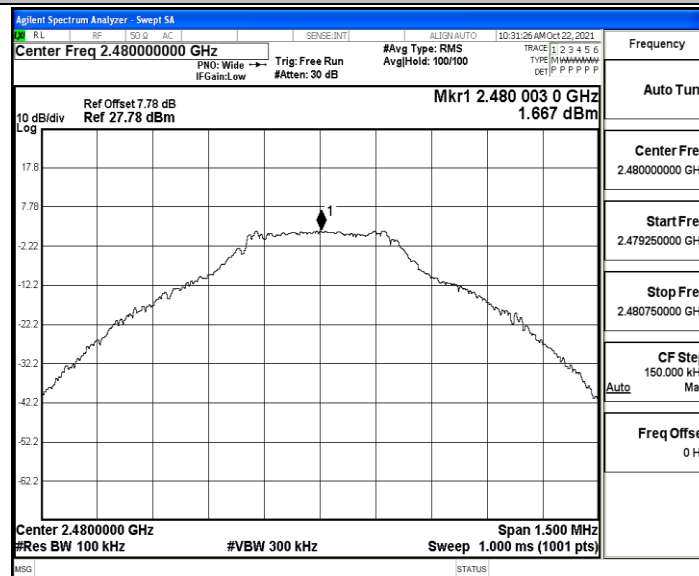




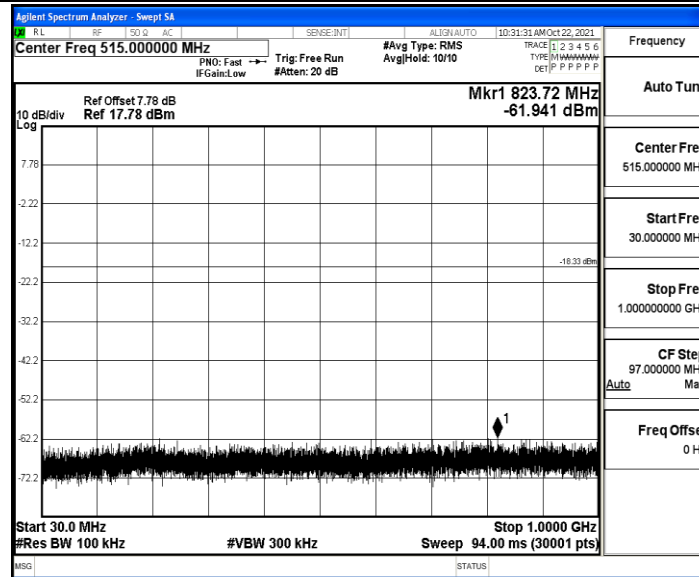
DH5_Ant1_2441_1000~26500



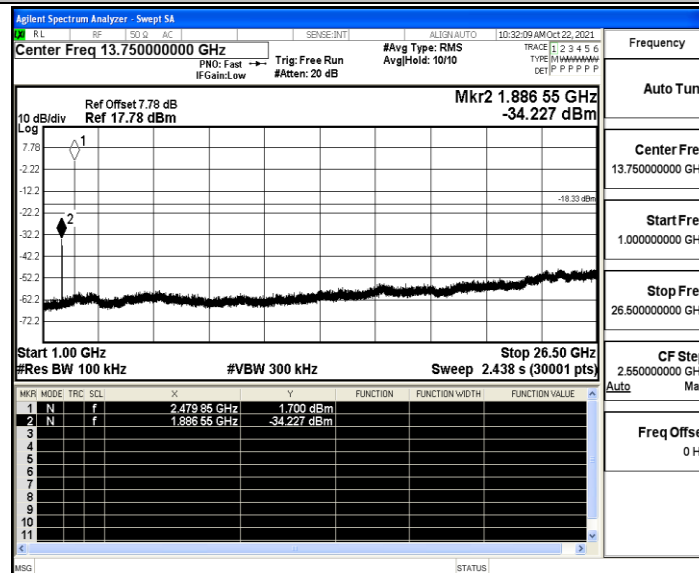
DH5_Ant1_2480_0~Reference



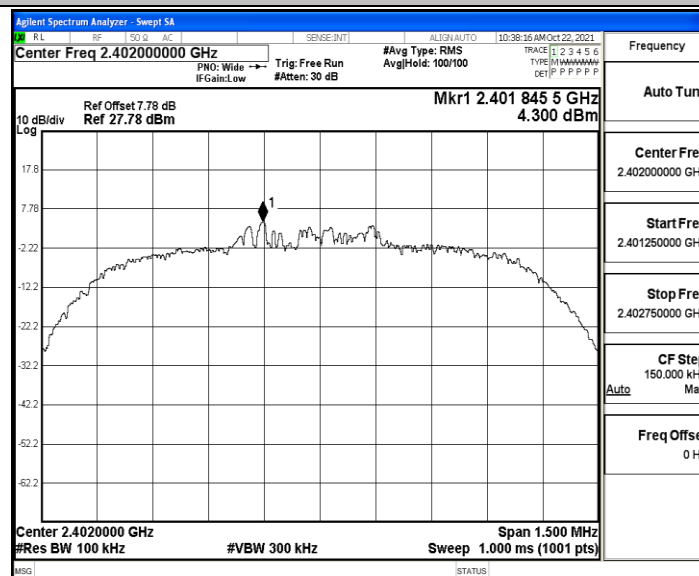
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

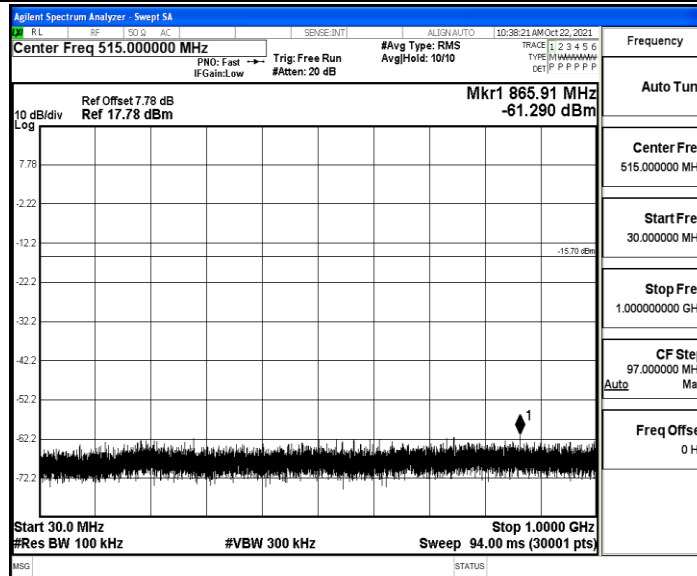


2DH5_Ant1_2402_0~Reference

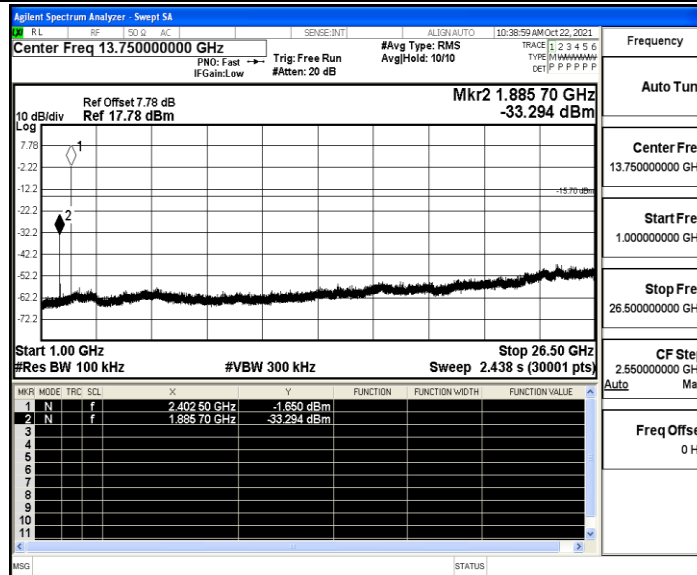




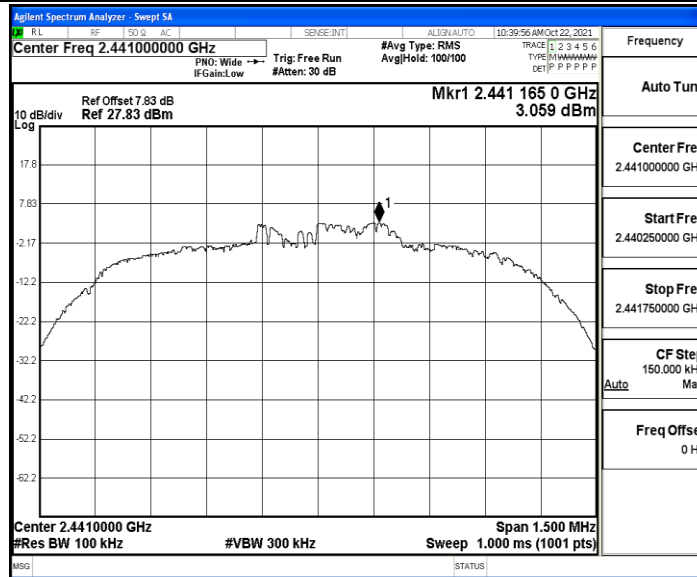
2DH5_Ant1_2402_30~1000



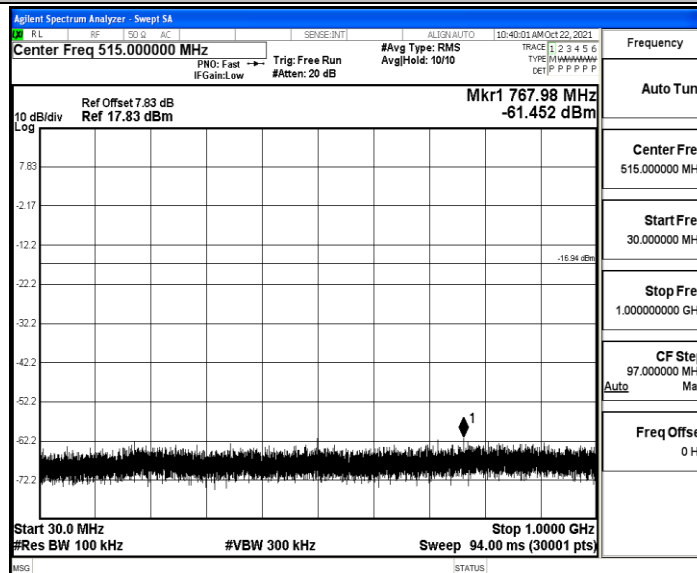
2DH5_Ant1_2402_1000~26500



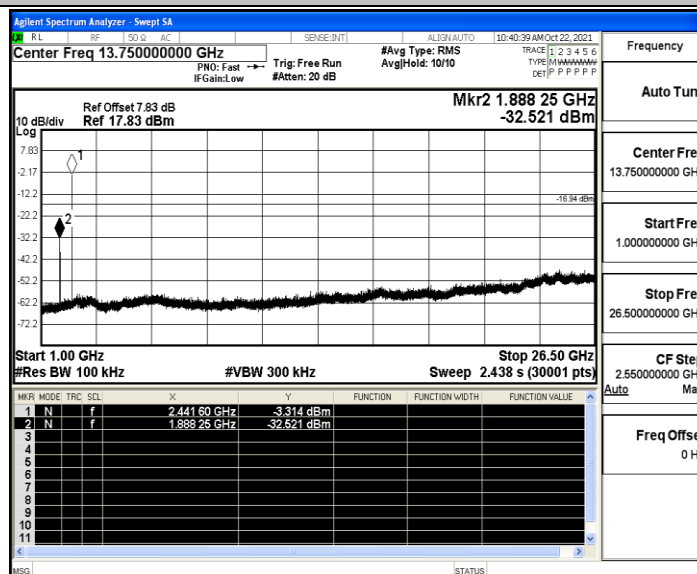
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

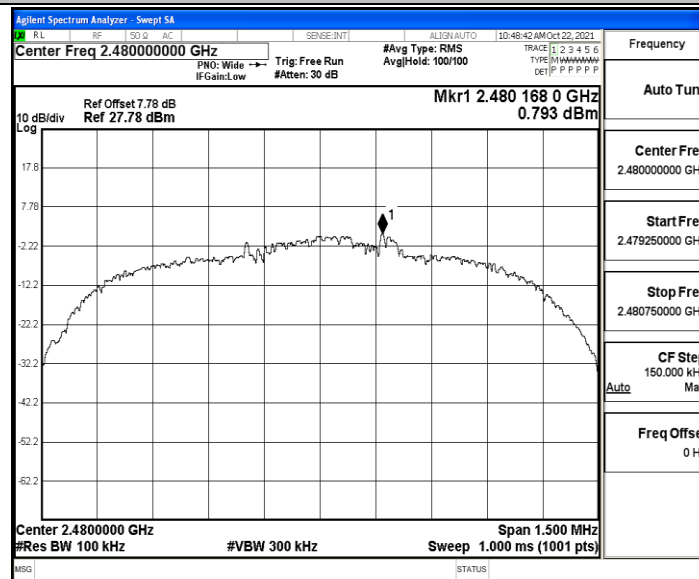


2DH5_Ant1_2441_1000~26500

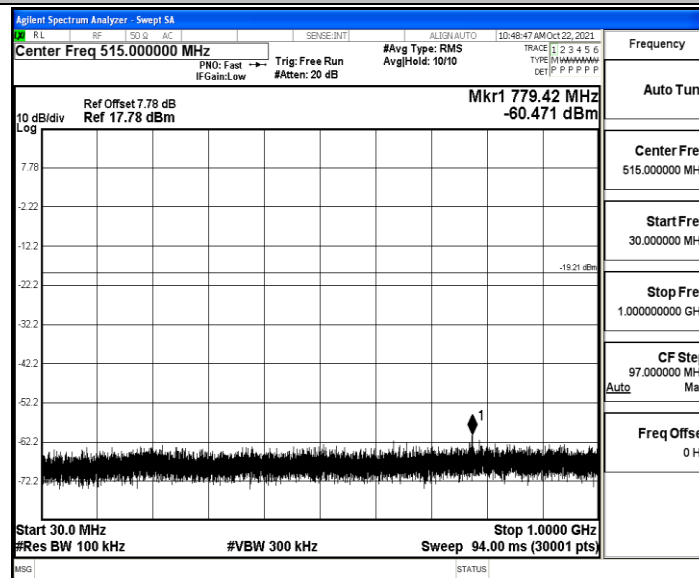




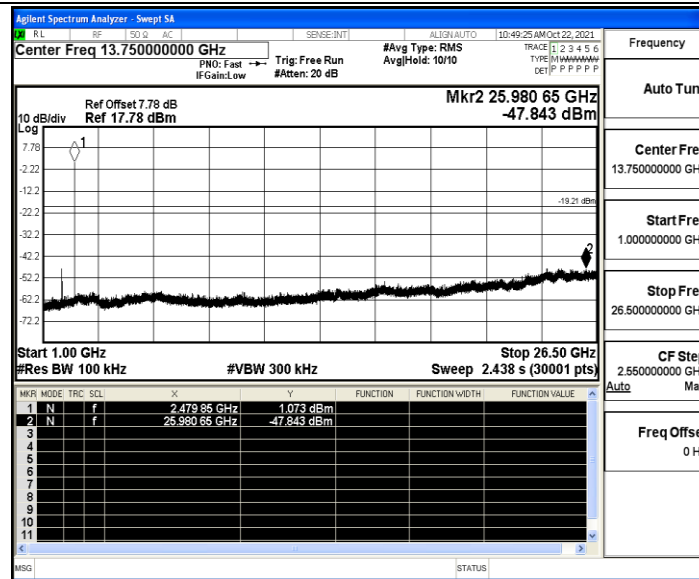
2DH5_Ant1_2480_0~Reference



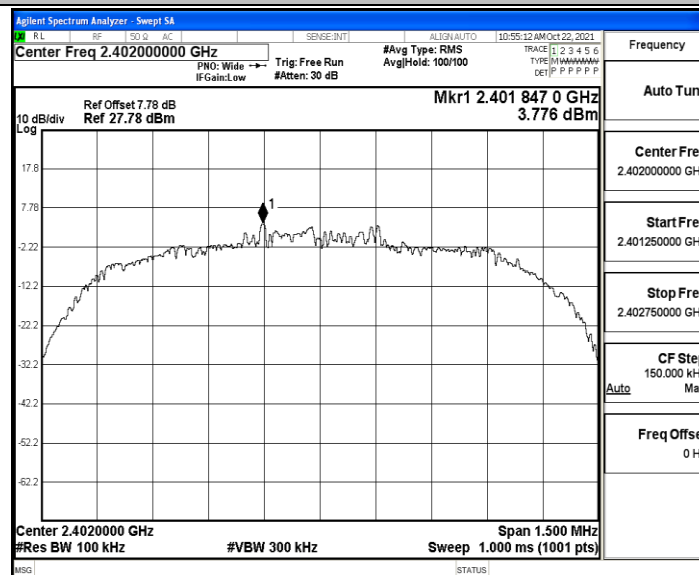
2DH5_Ant1_2480_30~1000



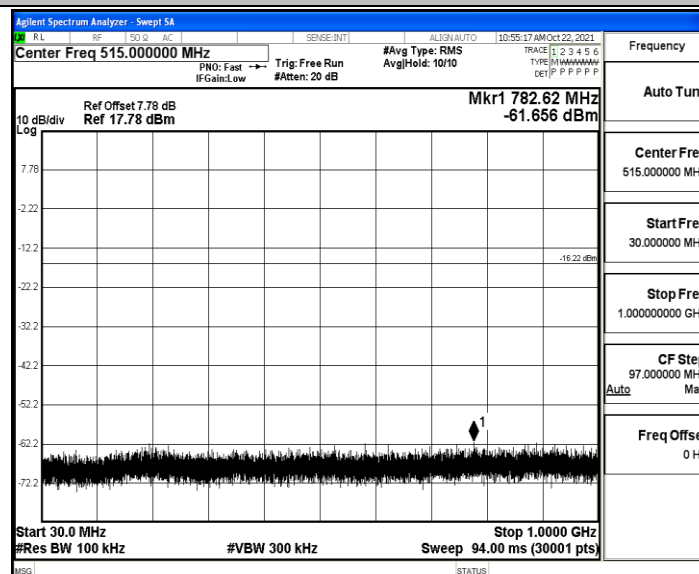
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

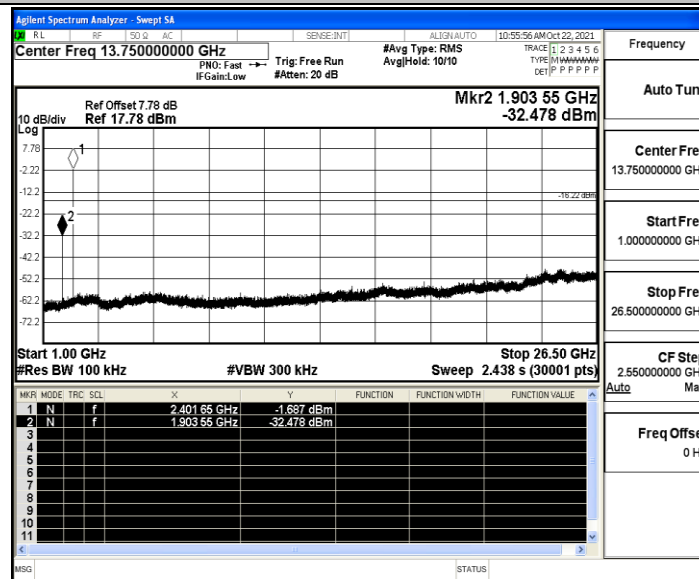


3DH5_Ant1_2402_30~1000

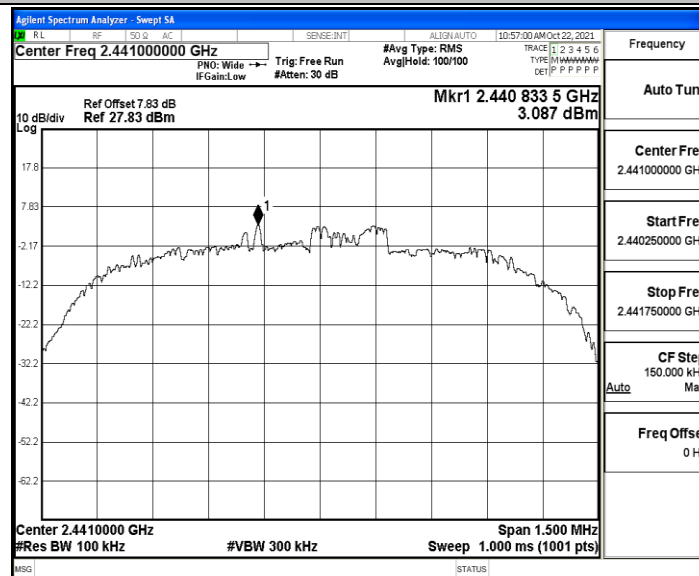




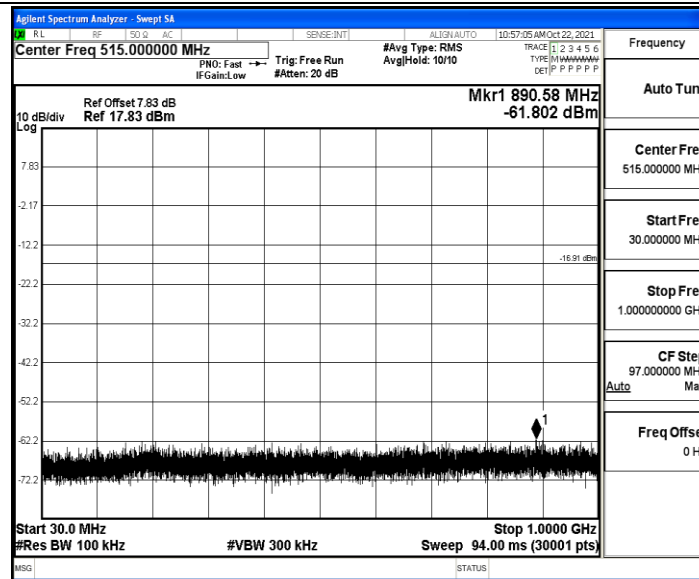
3DH5_Ant1_2402_1000~26500



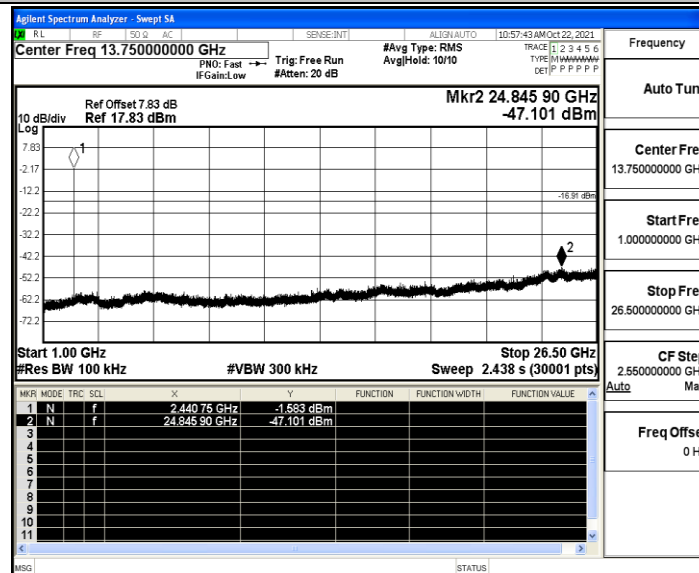
3DH5_Ant1_2441_0~Reference



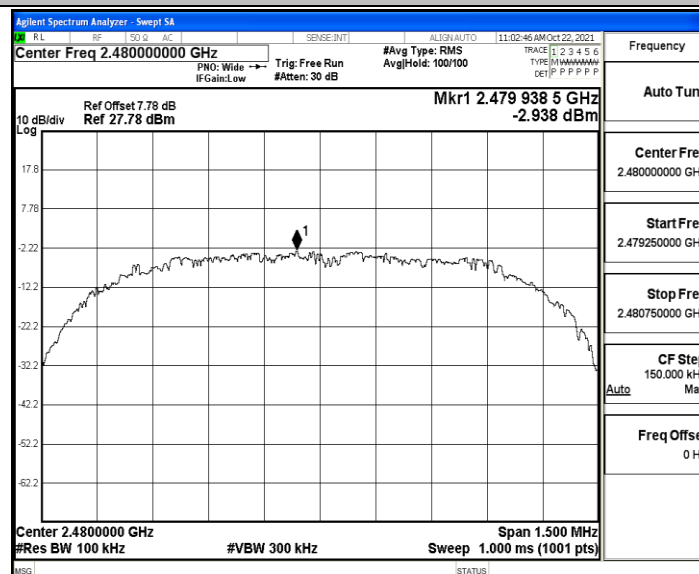
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

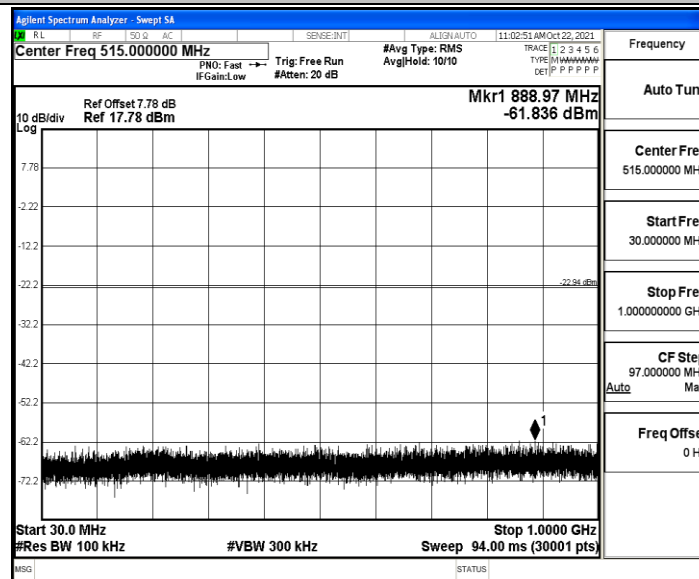


3DH5_Ant1_2480_0~Reference

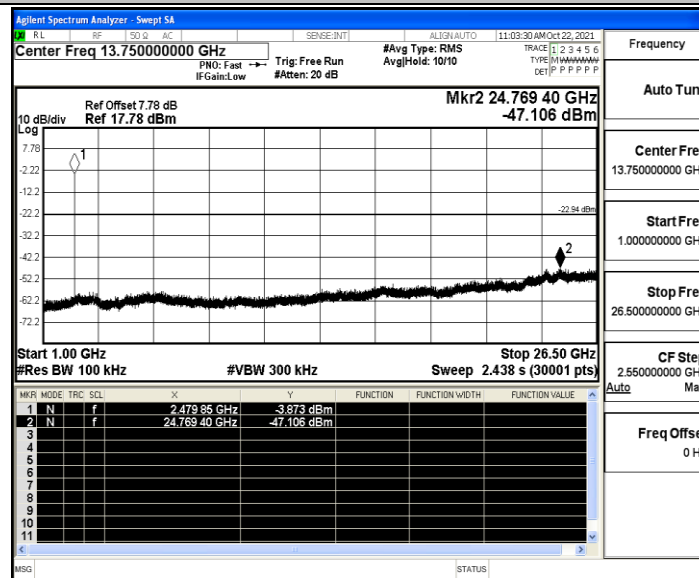




3DH5_Ant1_2480_30~1000



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	-48.96	≤-41.20	46.24	≤54	PASS
				AV	2389.985	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2390.000	-48.42	≤-41.20	46.78	≤54	PASS
				Peak	2310.000	-41.49	≤-21.20	53.71	≤74	PASS
				Peak	2366.990	-38.15	≤-21.20	57.05	≤74	PASS
				Peak	2390.000	-39.4	≤-21.20	55.80	≤74	PASS
		High	2480	AV	2483.500	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2487.040	-43.45	≤-41.20	51.75	≤54	PASS
				AV	2500.000	-47.95	≤-41.20	47.25	≤54	PASS
				Peak	2483.500	-39.33	≤-21.20	55.87	≤74	PASS
				Peak	2492.960	-37.28	≤-21.20	57.92	≤74	PASS
				Peak	2500.000	-39.45	≤-21.20	55.75	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-41.16	≤-21.20	54.04	≤74	PASS
				Peak	2329.085	-37.89	≤-21.20	57.31	≤74	PASS
				Peak	2390.000	-40.57	≤-21.20	54.63	≤74	PASS
		High	Hop_2480	Peak	2483.500	-39.24	≤-21.20	55.96	≤74	PASS
				Peak	2499.200	-37.67	≤-21.20	57.53	≤74	PASS
				Peak	2500.000	-39.46	≤-21.20	55.74	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.9	≤-41.20	46.30	≤54	PASS
				AV	2379.485	-48.26	≤-41.20	46.94	≤54	PASS
				AV	2390.000	-48.47	≤-41.20	46.73	≤54	PASS
				Peak	2310.000	-40.49	≤-21.20	54.71	≤74	PASS
				Peak	2345.675	-37.06	≤-21.20	58.14	≤74	PASS
				Peak	2390.000	-40.14	≤-21.20	55.06	≤74	PASS
		High	2480	AV	2483.500	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2483.520	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2500.000	-47.98	≤-41.20	47.22	≤54	PASS
				Peak	2483.500	-40.44	≤-21.20	54.76	≤74	PASS
				Peak	2489.600	-38.28	≤-21.20	56.92	≤74	PASS
				Peak	2500.000	-40.73	≤-21.20	54.47	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-39.75	≤-21.20	55.45	≤74	PASS
				Peak	2387.150	-37.82	≤-21.20	57.38	≤74	PASS
				Peak	2390.000	-39.55	≤-21.20	55.65	≤74	PASS
		High	Hop_2480	Peak	2483.500	-39.98	≤-21.20	55.22	≤74	PASS
				Peak	2486.320	-38.01	≤-21.20	57.19	≤74	PASS
				Peak	2500.000	-38.27	≤-21.20	56.93	≤74	PASS



3DH5	Ant1	Low	2402	AV	2310.000	-48.9	≤-41.20	46.30	≤54	PASS
				AV	2387.780	-48.13	≤-41.20	47.07	≤54	PASS
				AV	2390.000	-48.48	≤-41.20	46.72	≤54	PASS
				Peak	2310.000	-40.73	≤-21.20	54.47	≤74	PASS
				Peak	2336.750	-37.58	≤-21.20	57.62	≤74	PASS
				Peak	2390.000	-40.35	≤-21.20	54.85	≤74	PASS
		High	2480	AV	2483.500	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2483.520	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2500.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	2483.500	-40.05	≤-21.20	55.15	≤74	PASS
				Peak	2496.080	-37.45	≤-21.20	57.75	≤74	PASS
				Peak	2500.000	-40.02	≤-21.20	55.18	≤74	PASS
		Low	Hop_24 02	Peak	2310.000	-40.44	≤-21.20	54.76	≤74	PASS
				Peak	2368.355	-38.41	≤-21.20	56.79	≤74	PASS
				Peak	2390.000	-39.5	≤-21.20	55.70	≤74	PASS
		High	Hop_24 80	Peak	2483.500	-38.36	≤-21.20	56.84	≤74	PASS
				Peak	2486.400	-37.83	≤-21.20	57.37	≤74	PASS
				Peak	2500.000	-39.86	≤-21.20	55.34	≤74	PASS

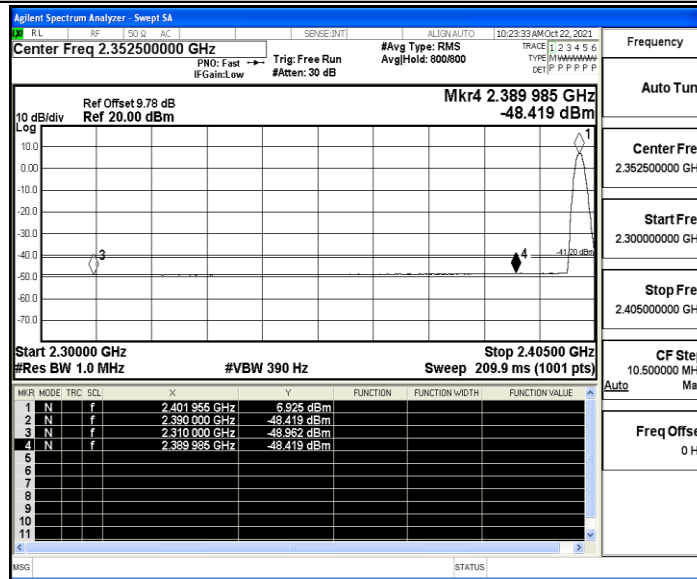
Note:

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.

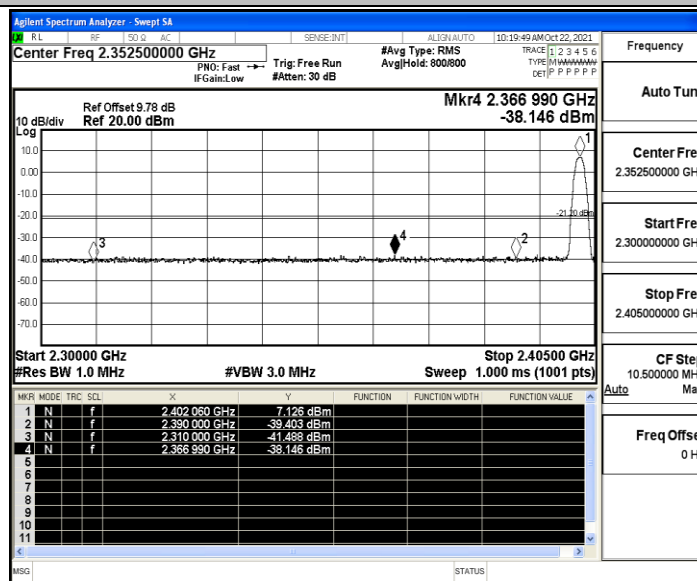


Test Graphs

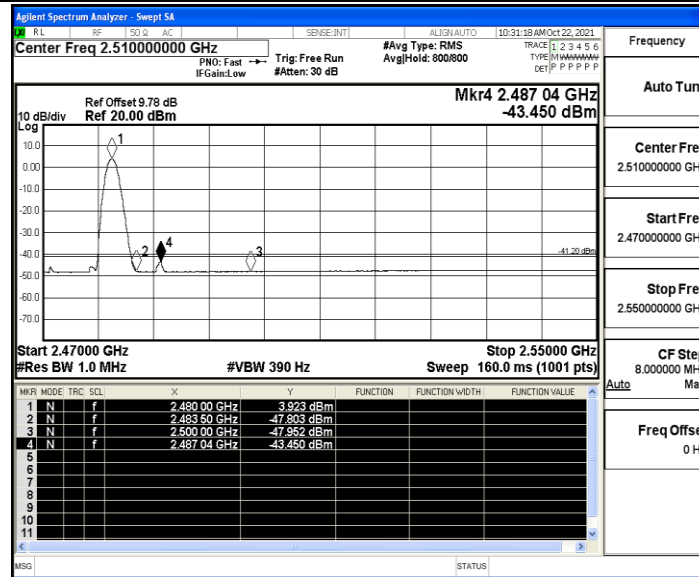
DH5_Ant1_Low_2402_AV



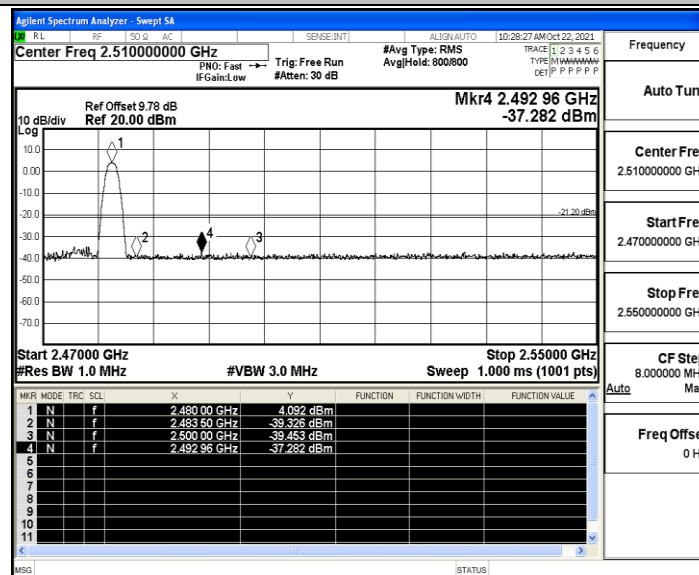
DH5_Ant1_Low_2402_Peak



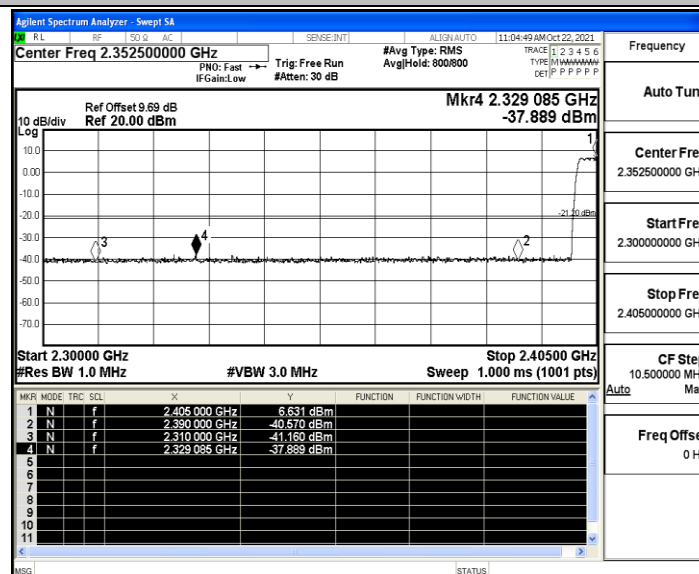
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

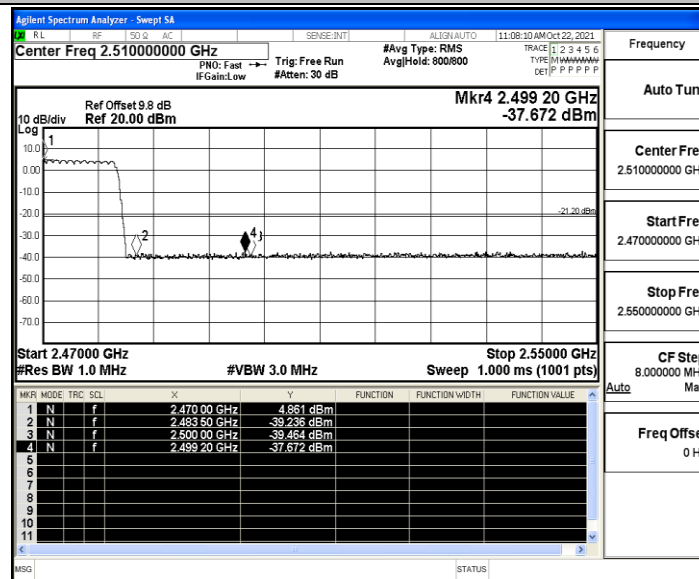


DH5_Ant1_Low_Hop_2402_Peak

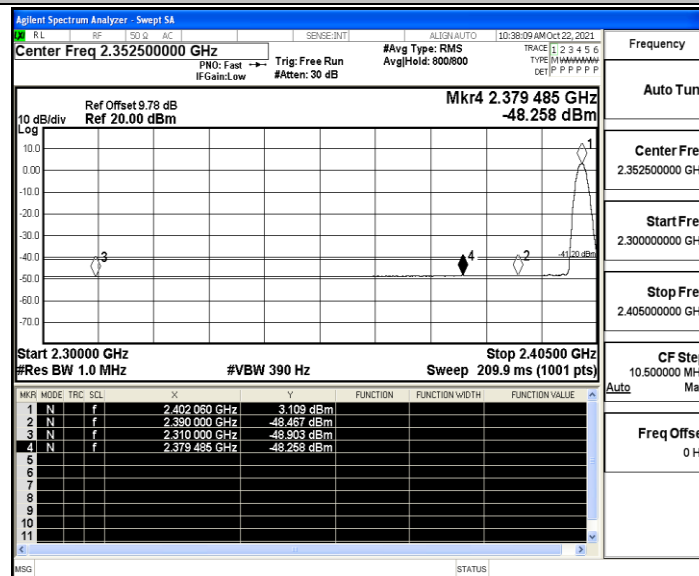




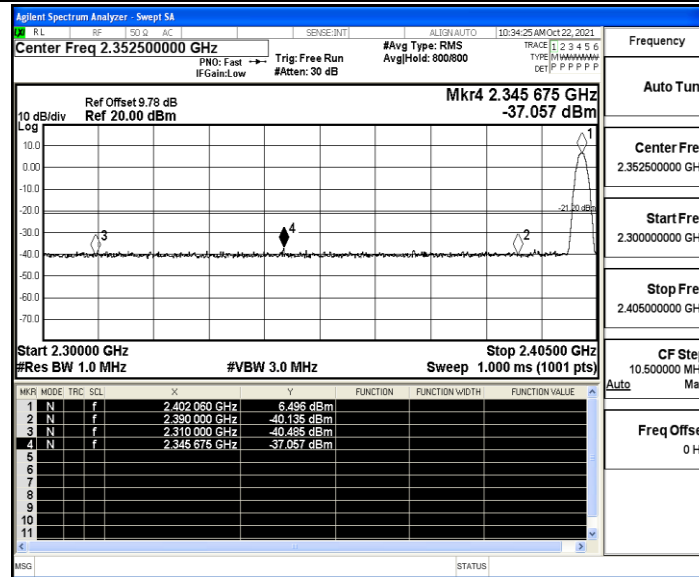
DH5_Ant1_High_Hop_2480_Peak



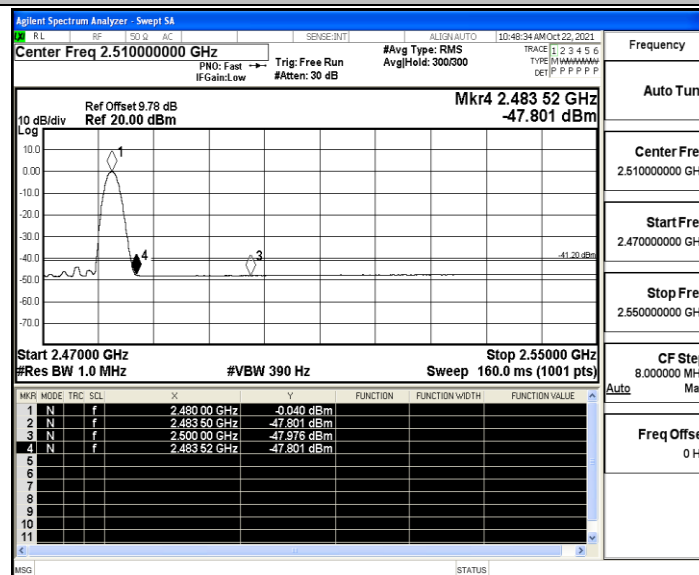
2DH5_Ant1_Low_2402_AV



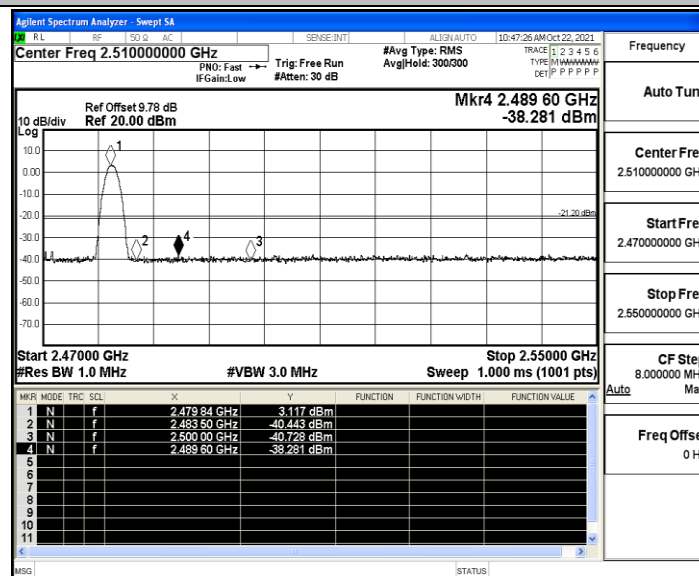
2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV

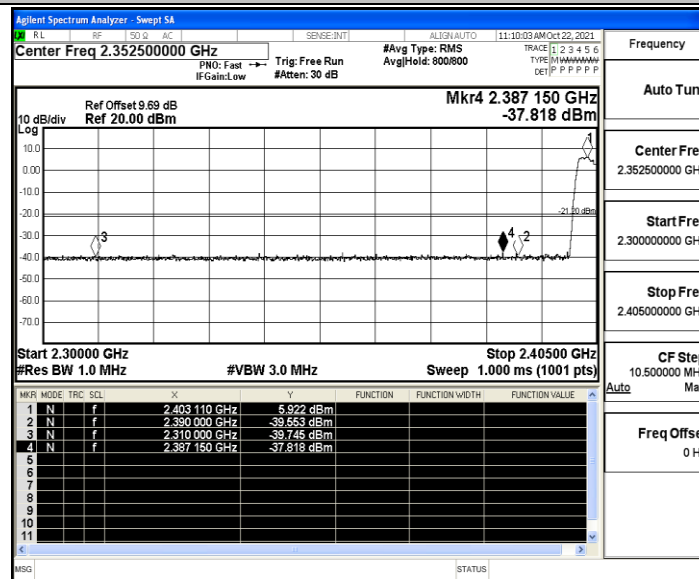


2DH5_Ant1_High_2480_Peak

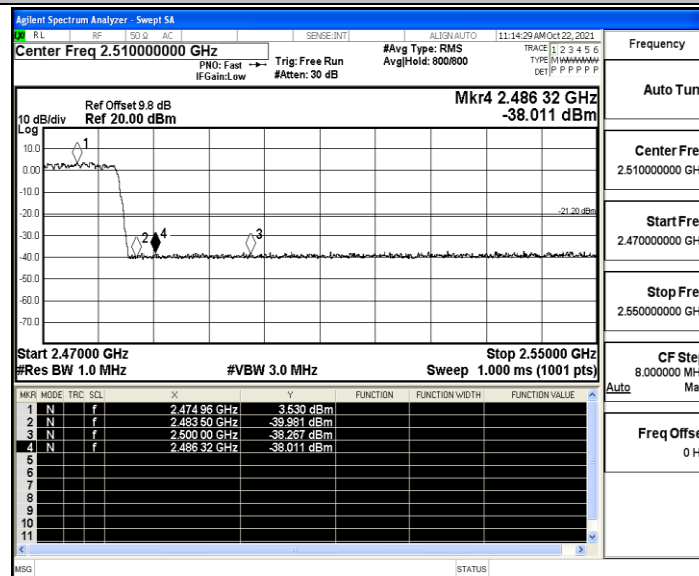




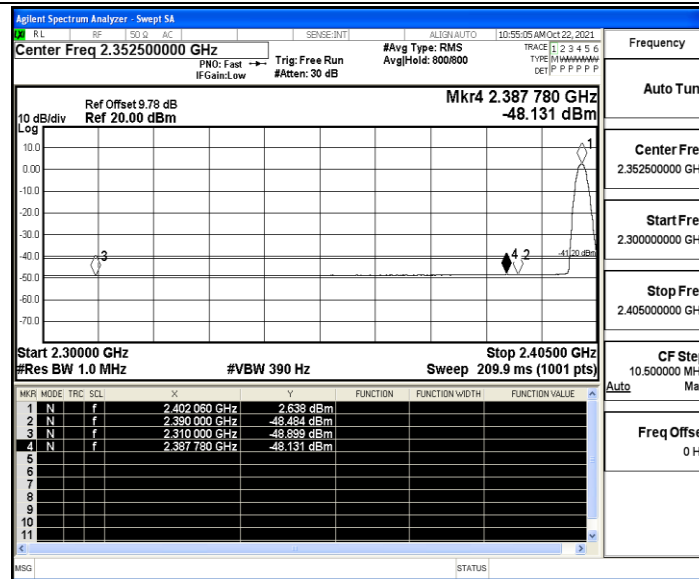
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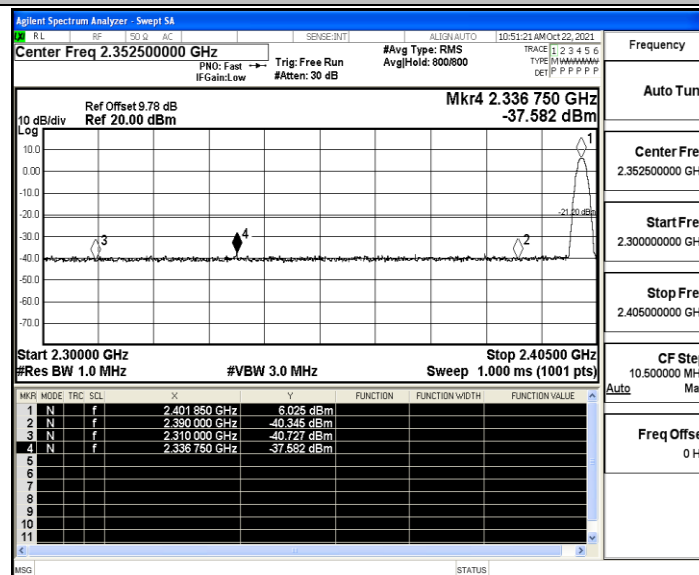
2DH5_Ant1_High_Hop_2480_Peak



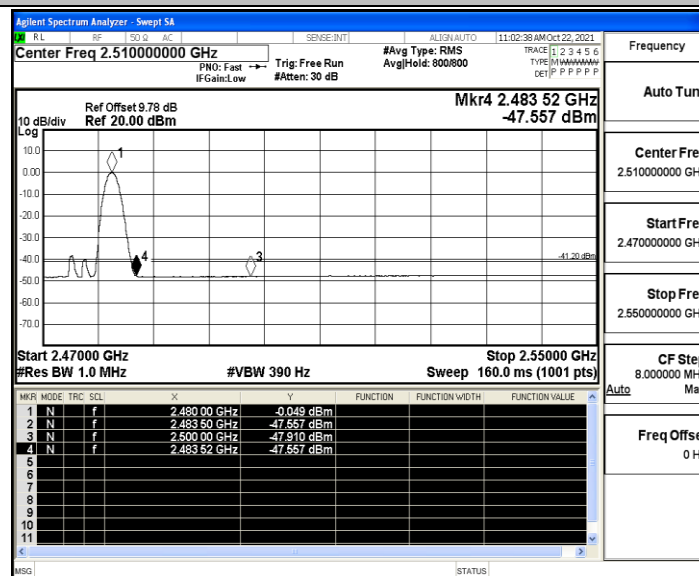
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak

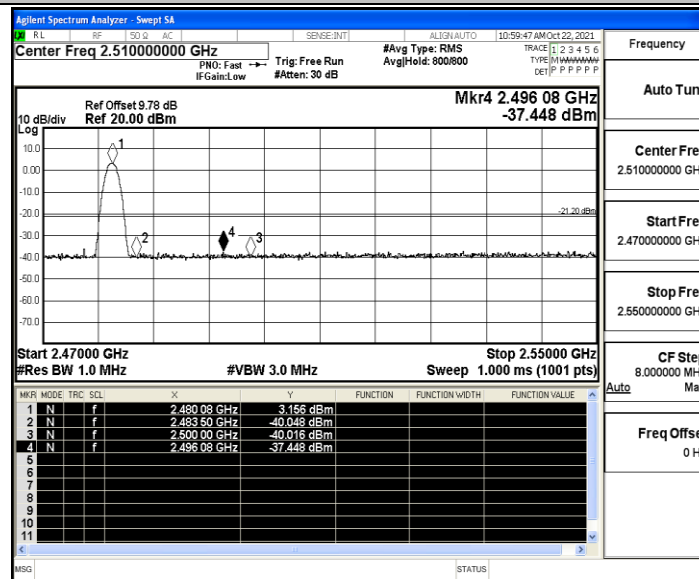


3DH5_Ant1_High_2480_AV

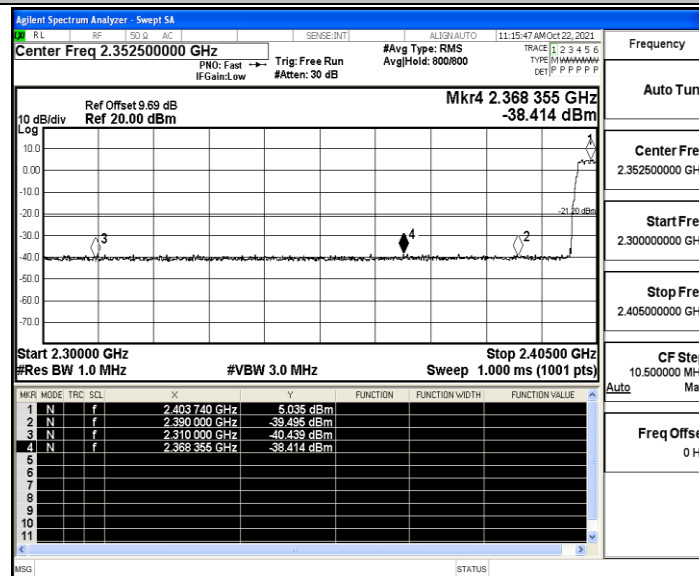




3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

