



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: 8WB1

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling. Zhu
Supervised by:	Libu

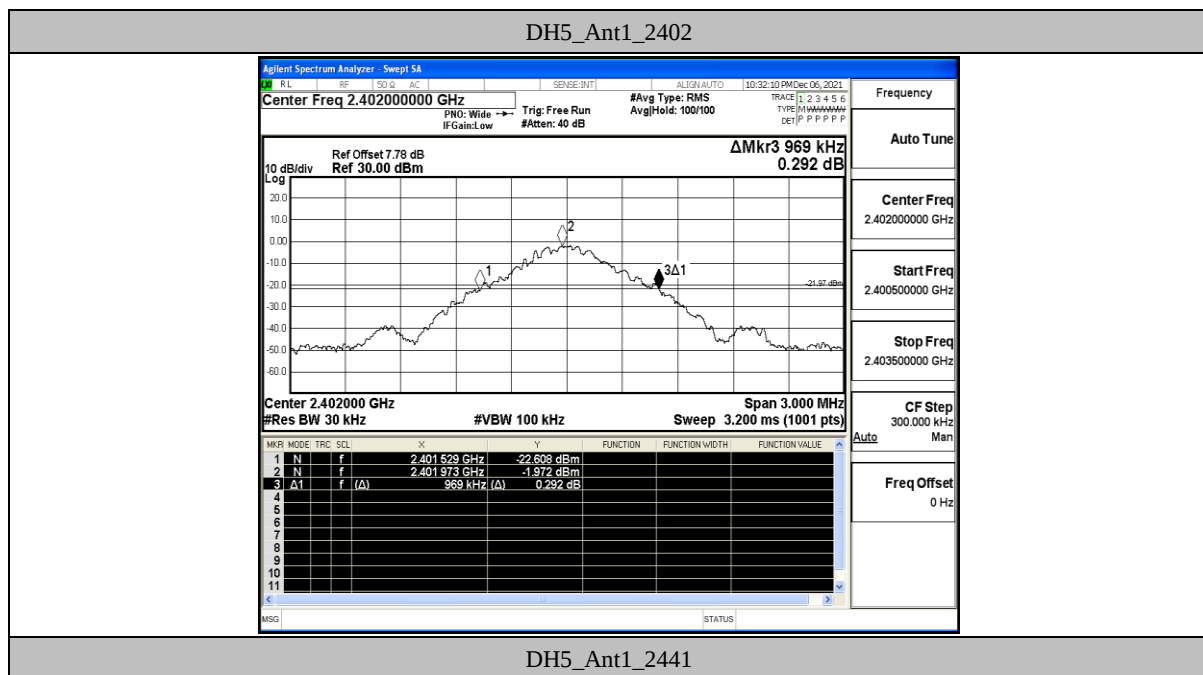


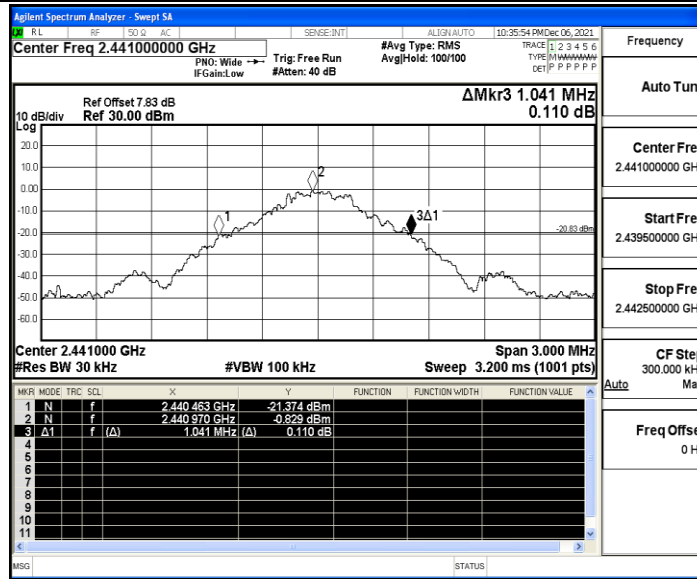
A.1 20dB Emission Bandwidth

Test Result

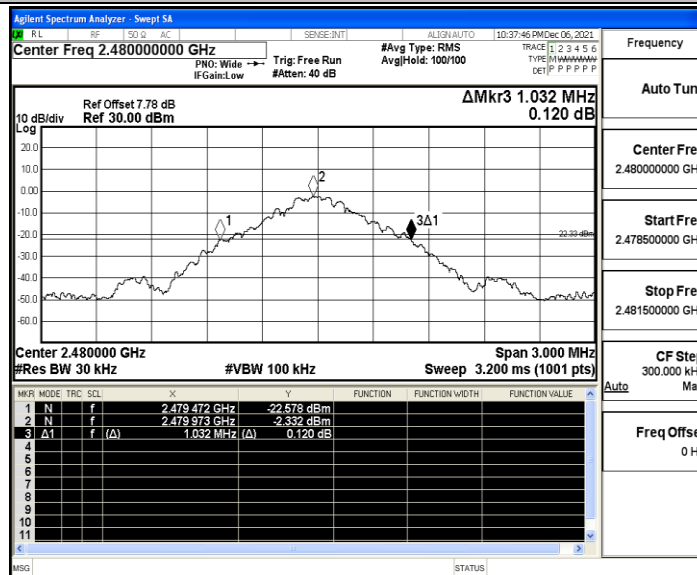
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.969	2401.529	2402.498	---	PASS
		2441	1.041	2440.463	2441.504	---	PASS
		2480	1.032	2479.472	2480.504	---	PASS
2DH5	Ant1	2402	1.320	2401.337	2402.657	---	PASS
		2441	1.323	2440.334	2441.657	---	PASS
		2480	1.356	2479.325	2480.681	---	PASS
3DH5	Ant1	2402	1.308	2401.349	2402.657	---	PASS
		2441	1.350	2440.322	2441.672	---	PASS
		2480	1.305	2479.343	2480.648	---	PASS

Test Graphs

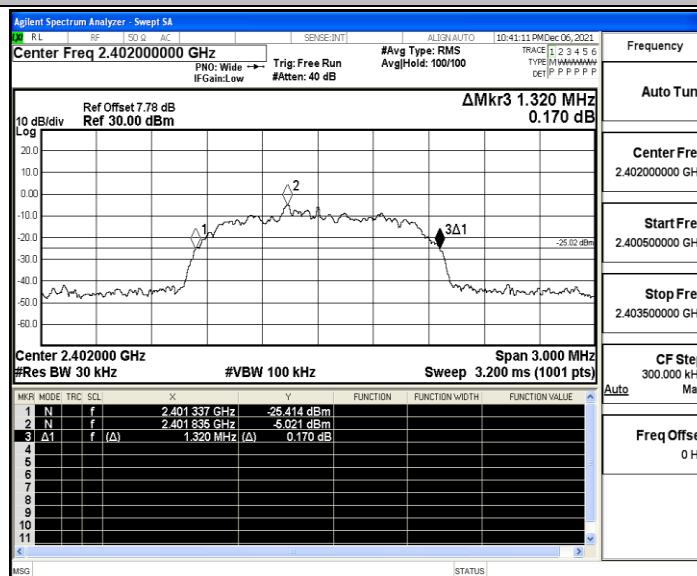




DH5_Ant1_2480

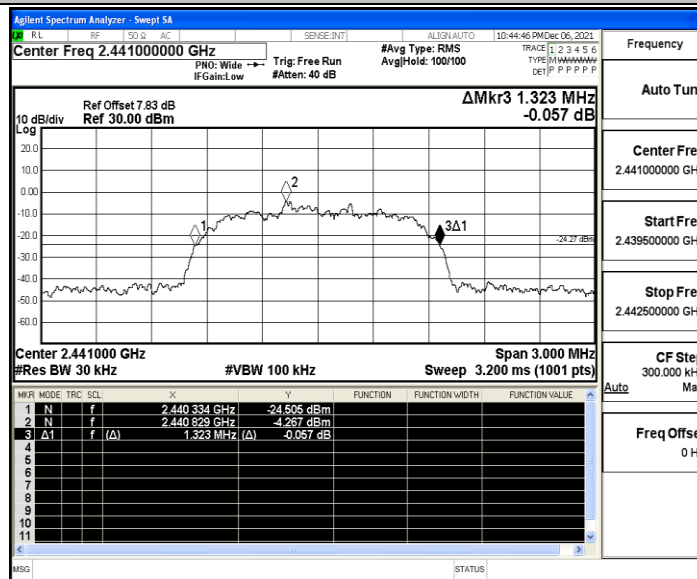


2DH5_Ant1_2402

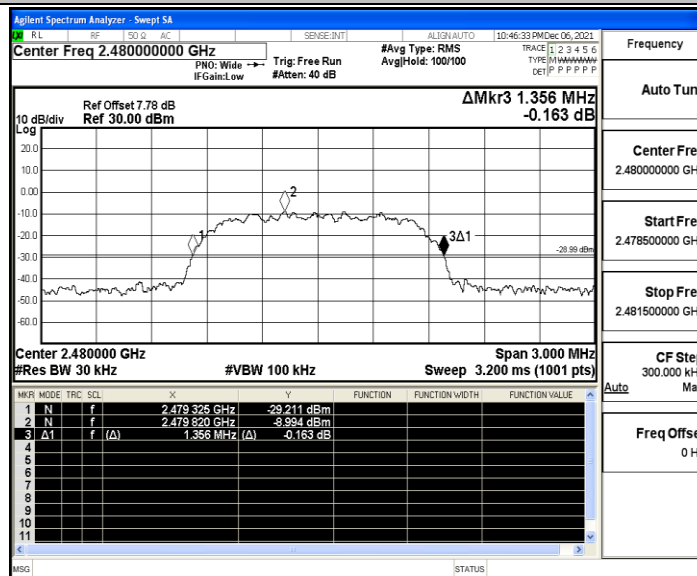




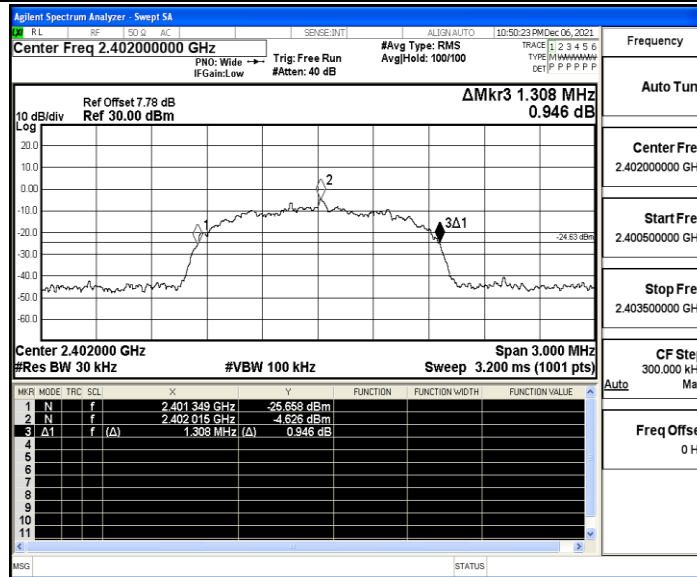
2DH5_Ant1_2441



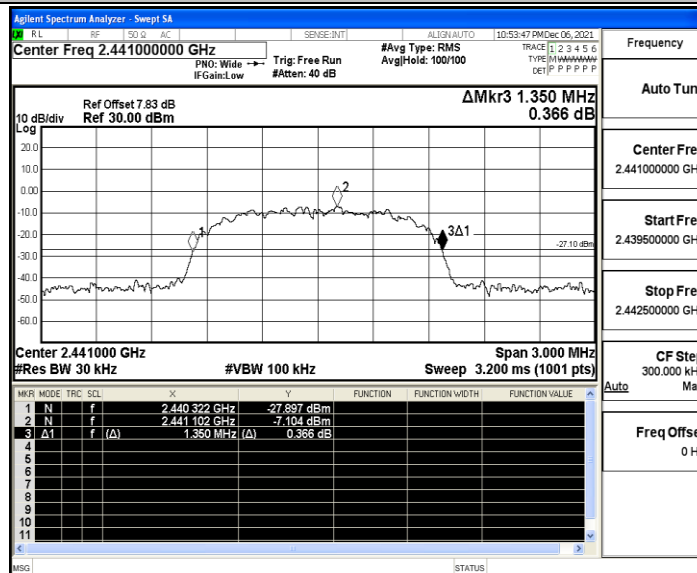
2DH5_Ant1_2480



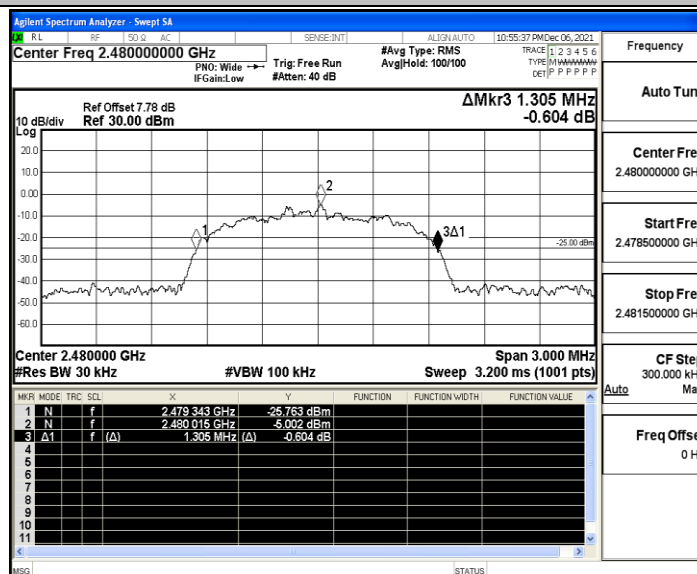
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



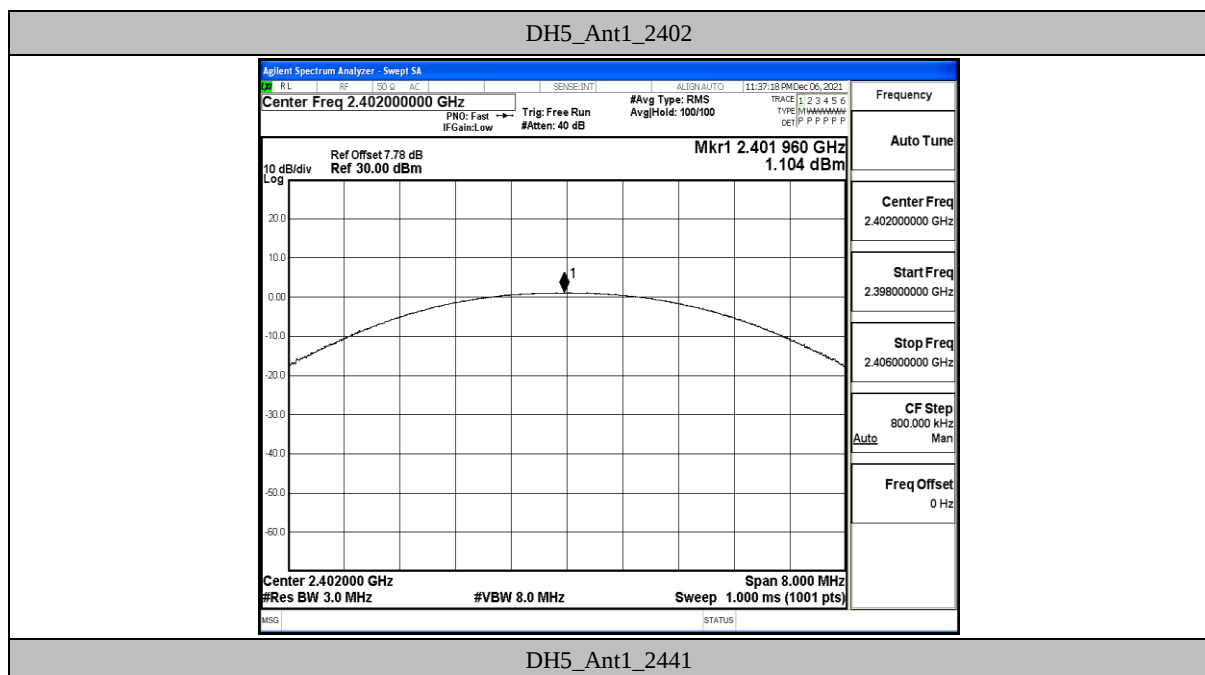


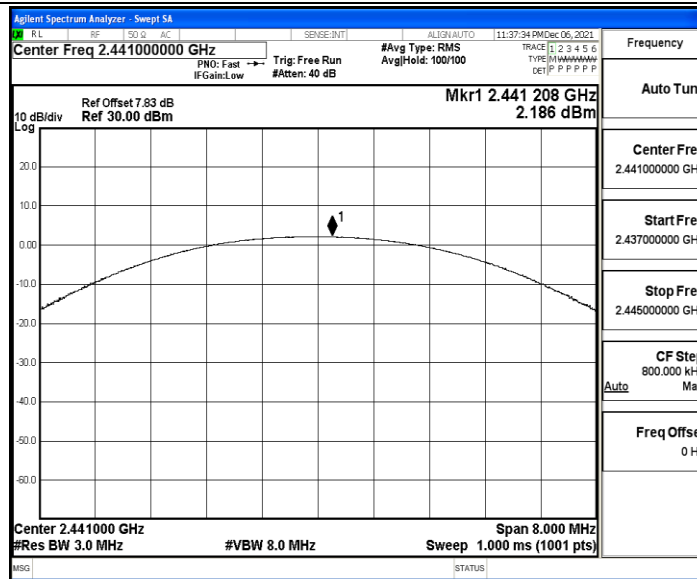
A.2 Maximum conducted output power

Test Result

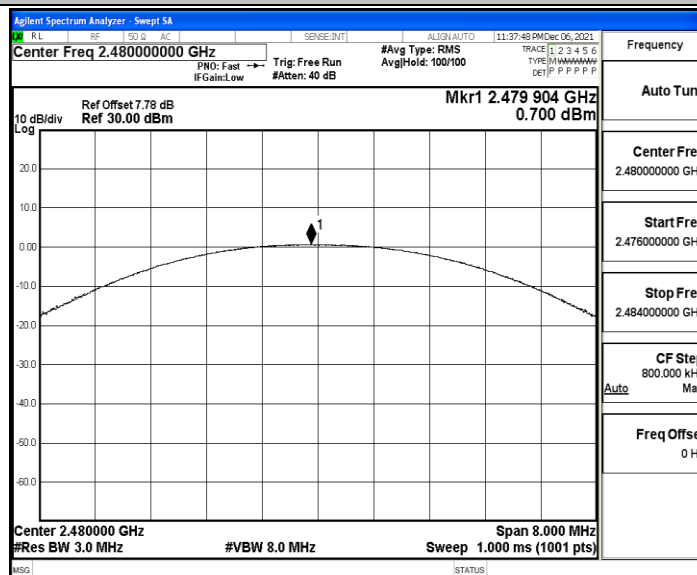
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.10	≤20.97	PASS
		2441	2.19	≤20.97	PASS
		2480	0.70	≤20.97	PASS
2DH5	Ant1	2402	0.15	≤20.97	PASS
		2441	1.29	≤20.97	PASS
		2480	-0.13	≤20.97	PASS
3DH5	Ant1	2402	0.29	≤20.97	PASS
		2441	1.43	≤20.97	PASS
		2480	-0.01	≤20.97	PASS

Test Graphs

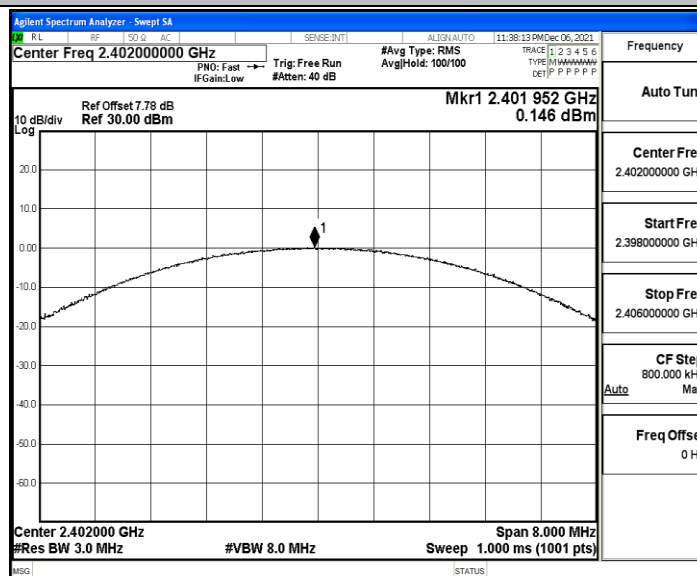




DH5_Ant1_2480

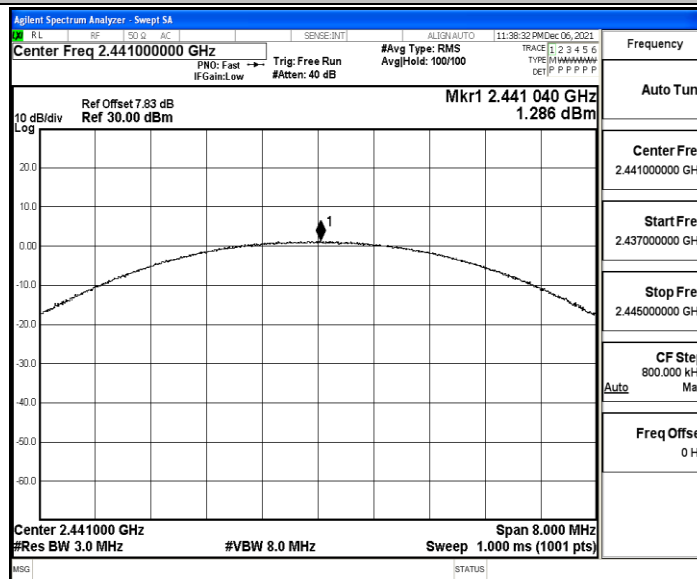


2DH5_Ant1_2402

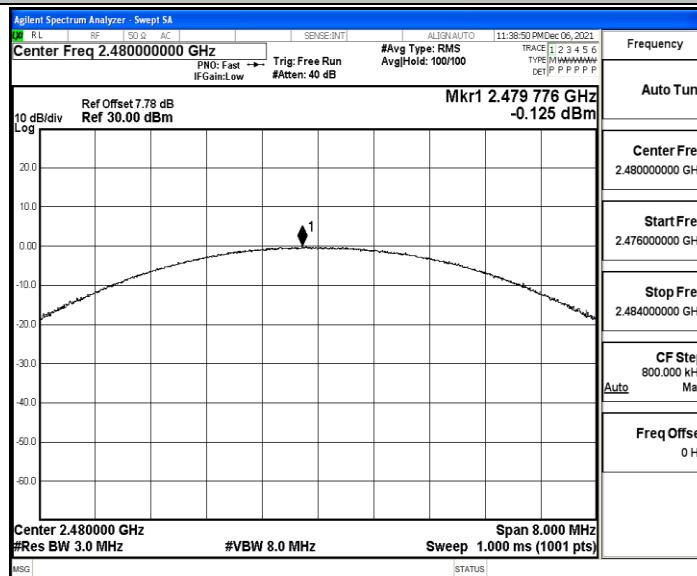




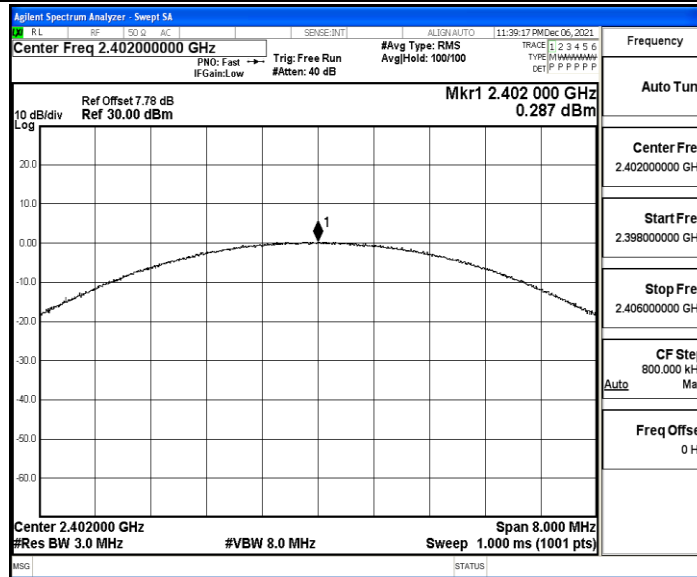
2DH5_Ant1_2441



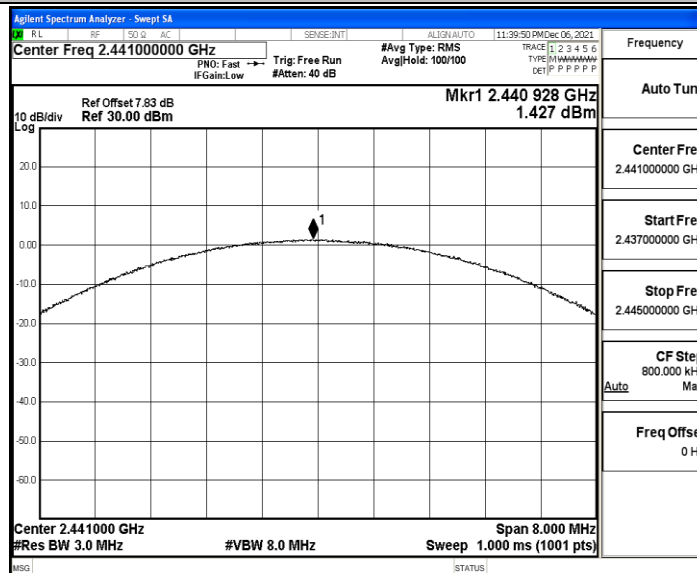
2DH5_Ant1_2480



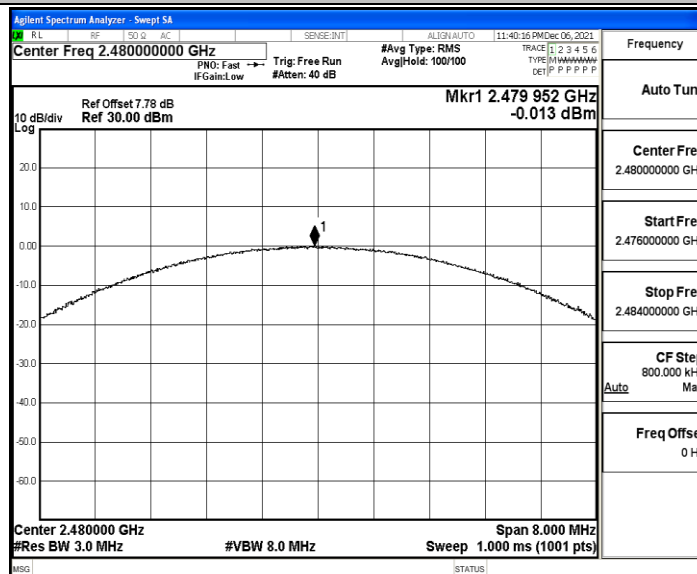
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



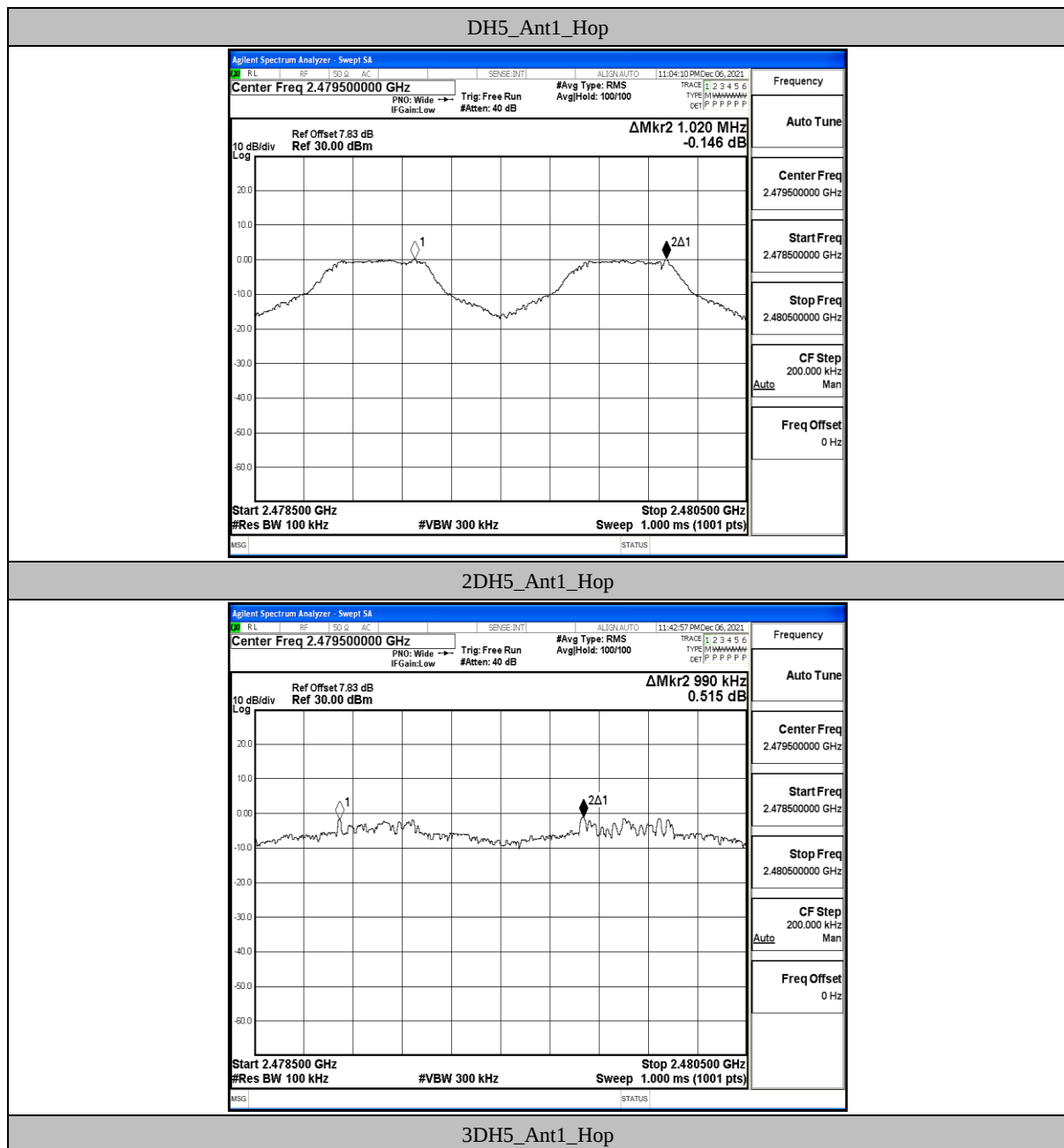


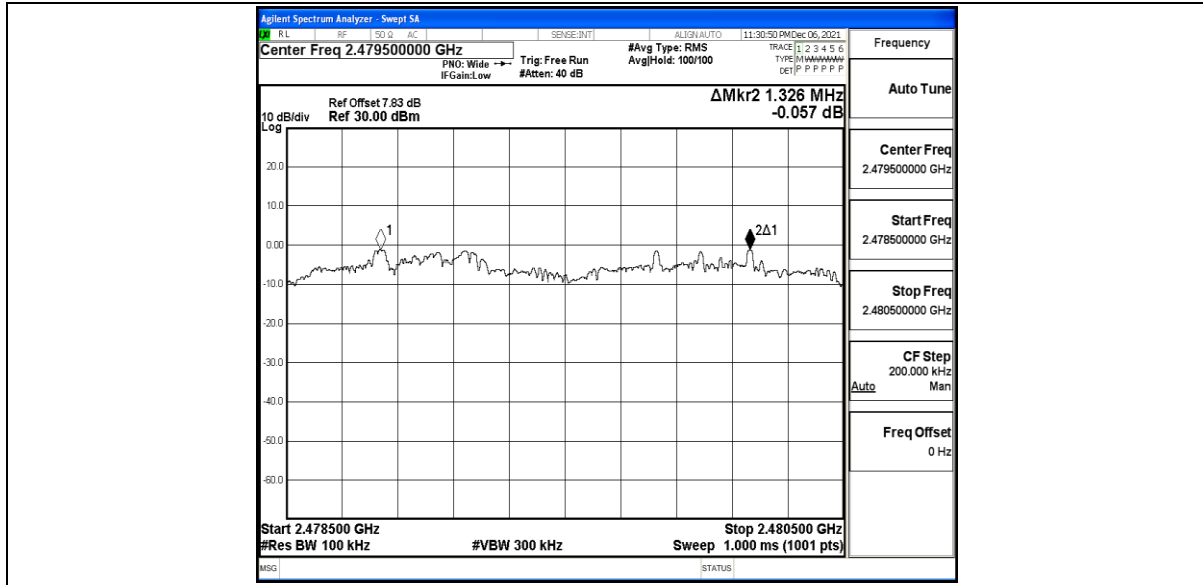
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.694	PASS
2DH5	Ant1	Hop	0.99	≥ 0.904	PASS
3DH5	Ant1	Hop	1.326	≥ 0.900	PASS

Test Graphs





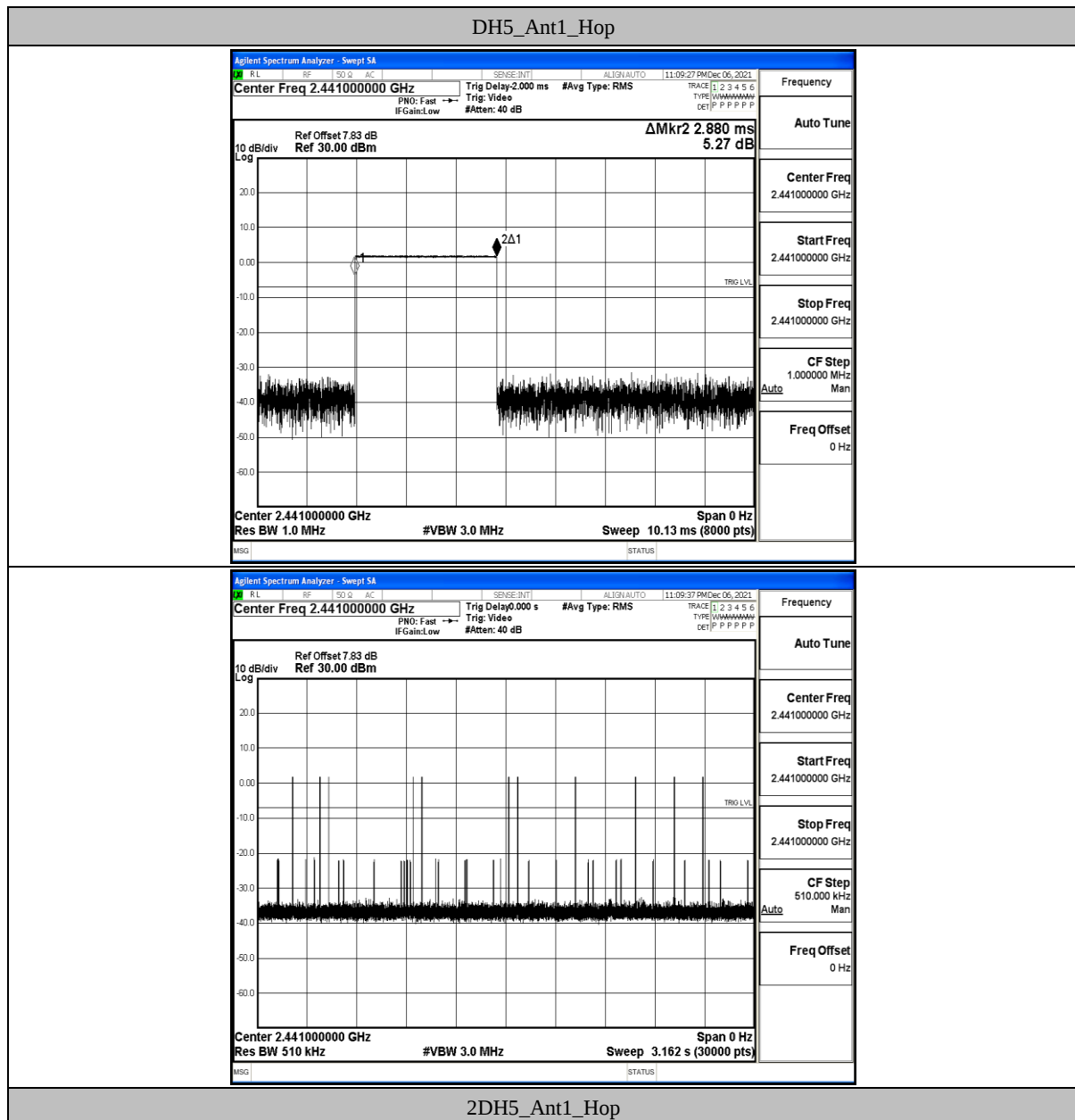


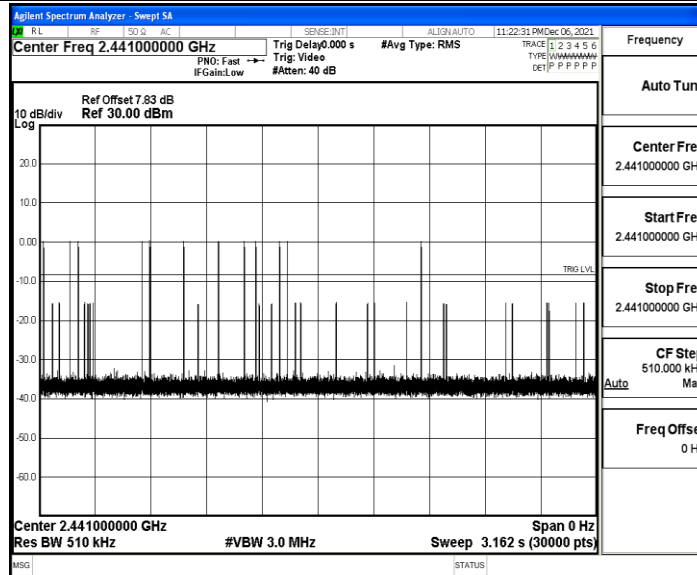
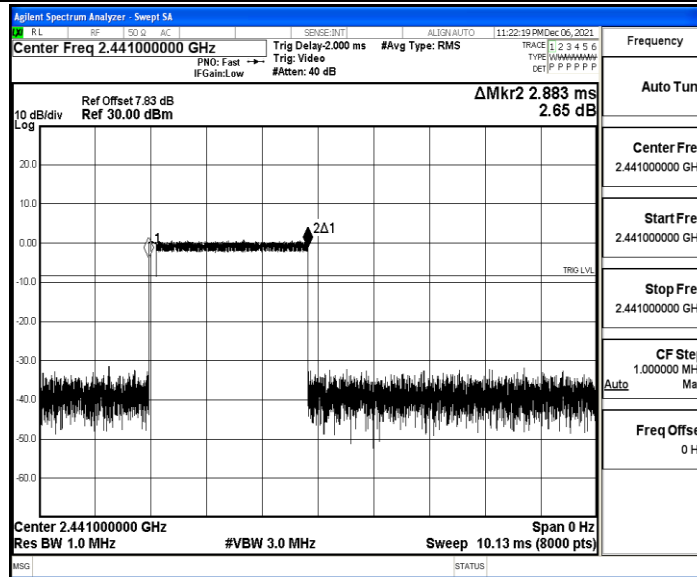
A.4 Time of occupancy

Test Result

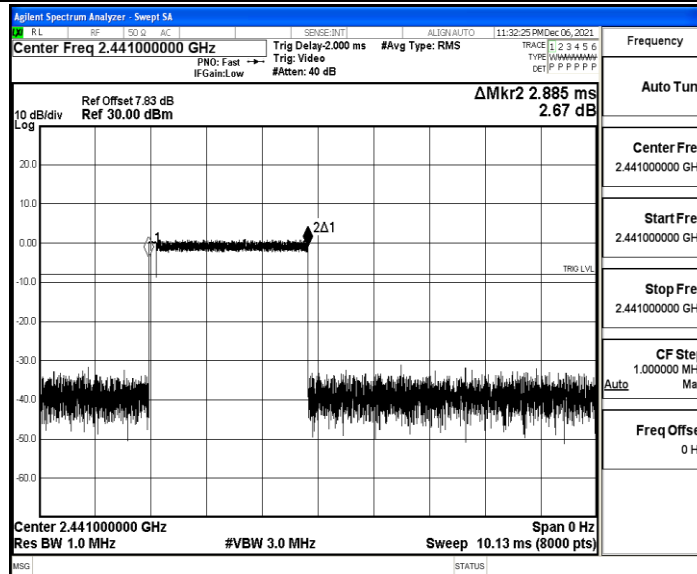
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.376	≤0.4	PASS

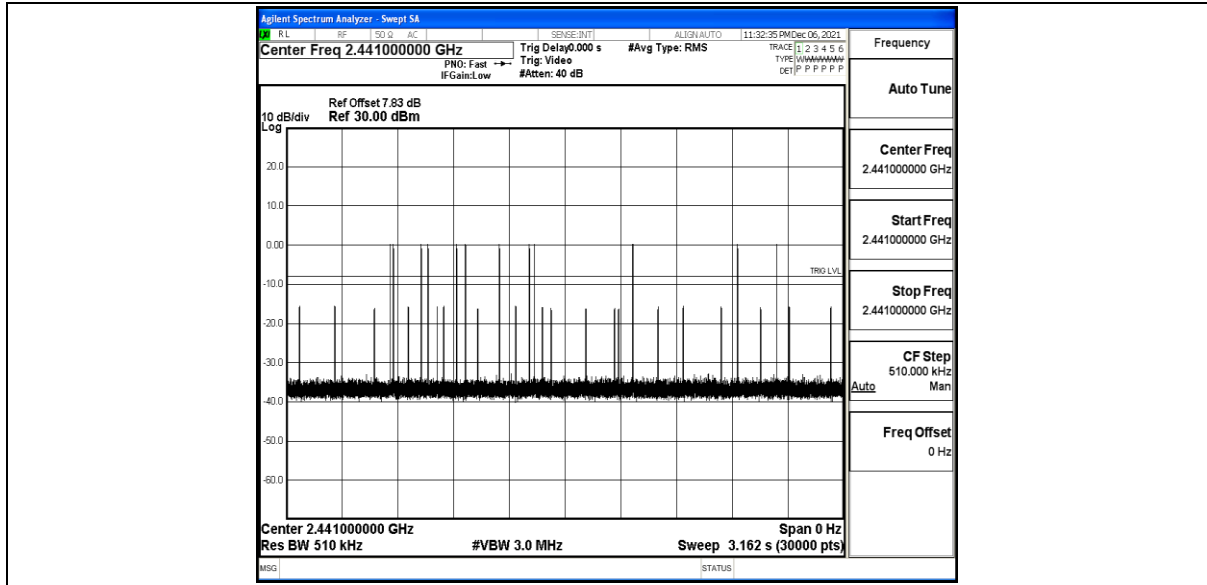
Test Graphs





3DH5_Ant1_Hop





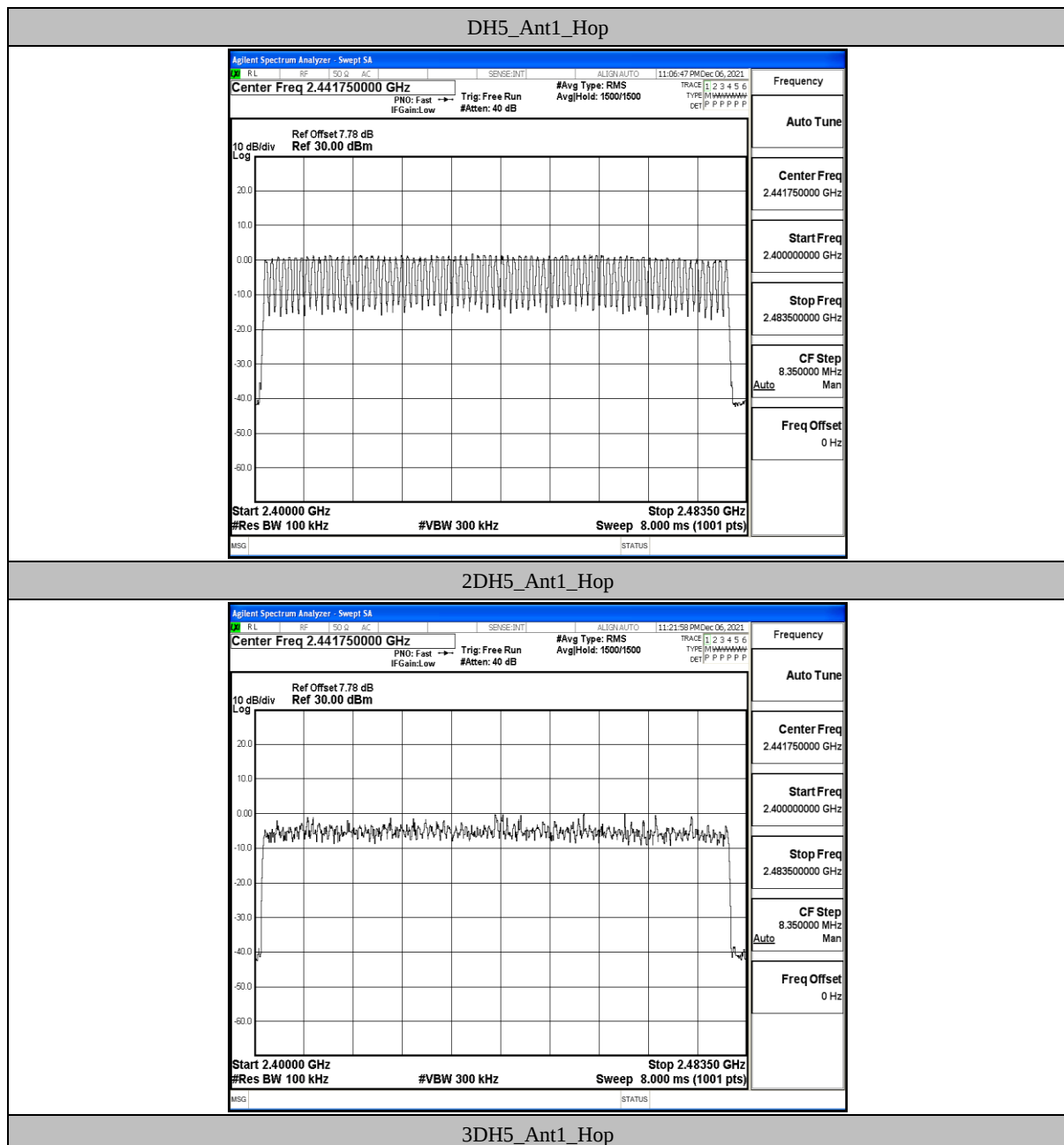


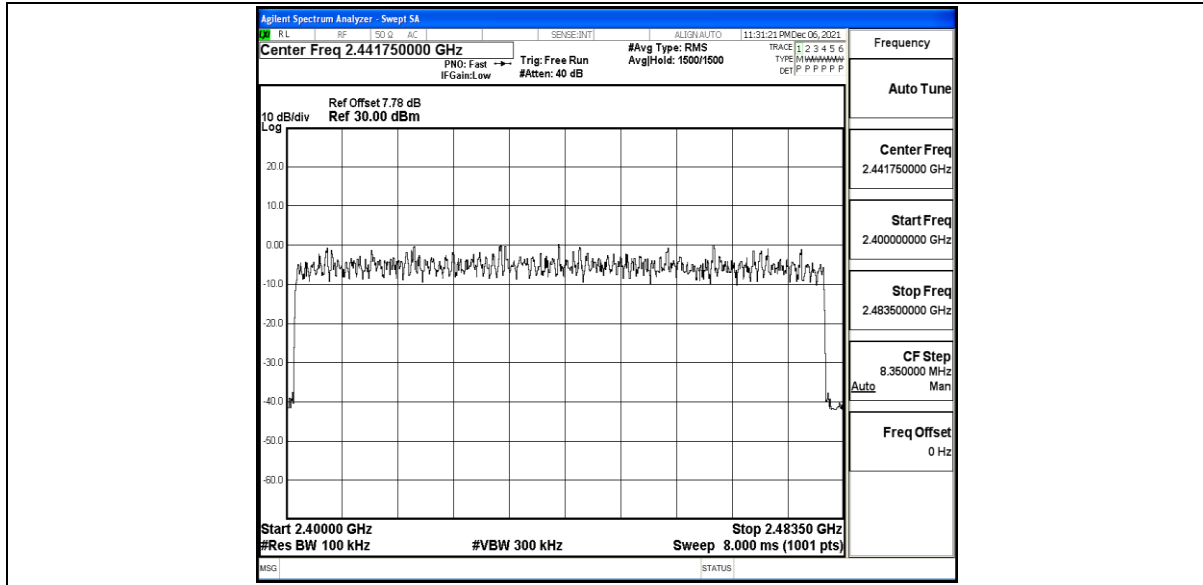
A.5 Number of hopping channels

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







A.6 Band edge measurements

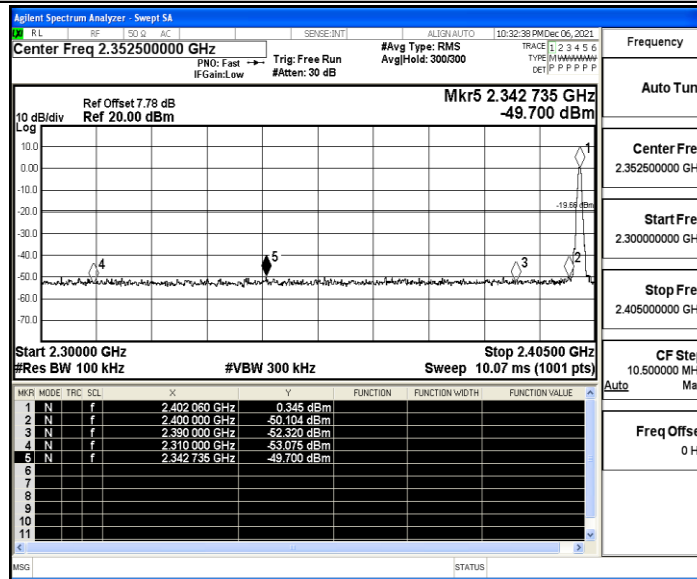
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.35	-49.7	≤ -19.66	PASS
		High	2480	0.12	-48.58	≤ -19.88	PASS
		Low	Hop_2402	0.60	-49.15	≤ -19.4	PASS
		High	Hop_2480	0.26	-48.55	≤ -19.74	PASS
2DH5	Ant1	Low	2402	-0.73	-49.26	≤ -20.73	PASS
		High	2480	-1.28	-48.47	≤ -21.28	PASS
		Low	Hop_2402	-4.14	-49.31	≤ -24.14	PASS
		High	Hop_2480	-2.12	-48.64	≤ -22.12	PASS
3DH5	Ant1	Low	2402	-1.90	-49.11	≤ -21.9	PASS
		High	2480	-1.24	-49.28	≤ -21.24	PASS
		Low	Hop_2402	-3.71	-49.19	≤ -23.71	PASS
		High	Hop_2480	-3.70	-47.94	≤ -23.7	PASS

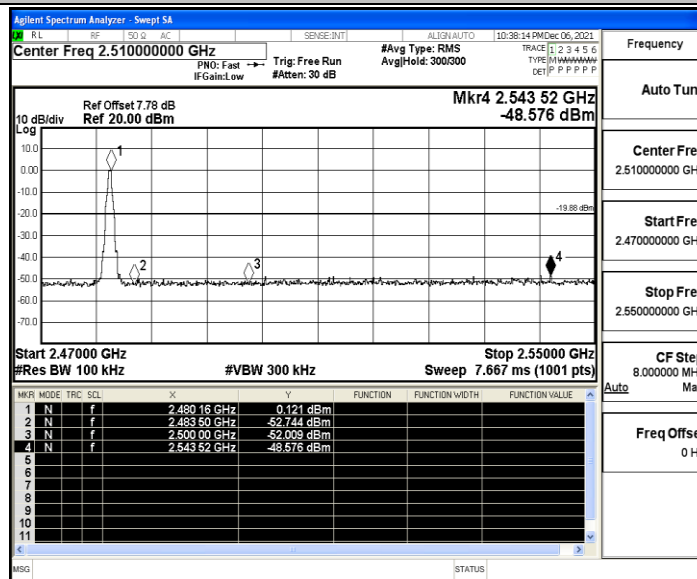


Test Graphs

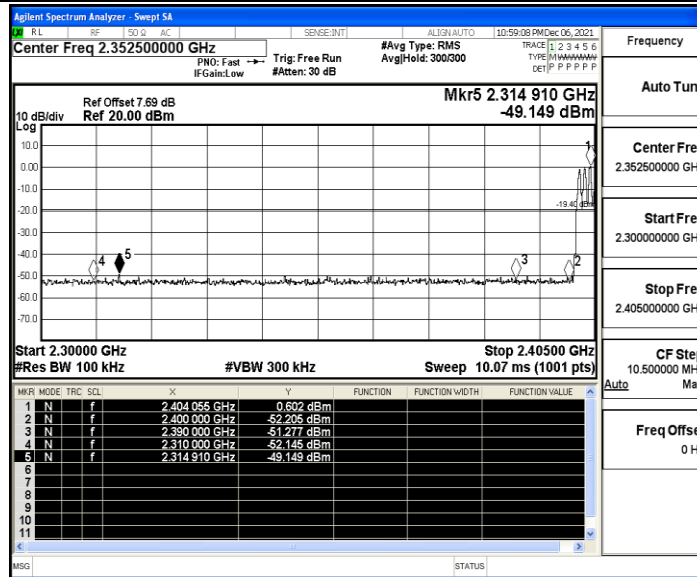
DH5_Ant1_Low_2402



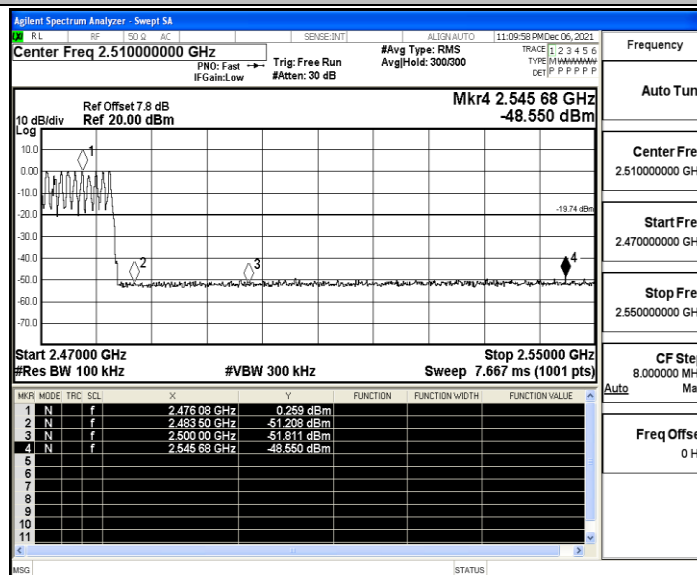
DH5_Ant1_High_2480



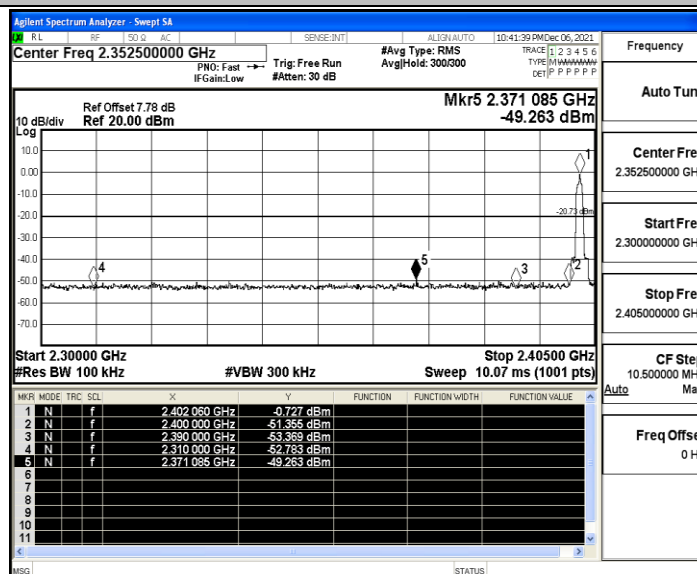
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

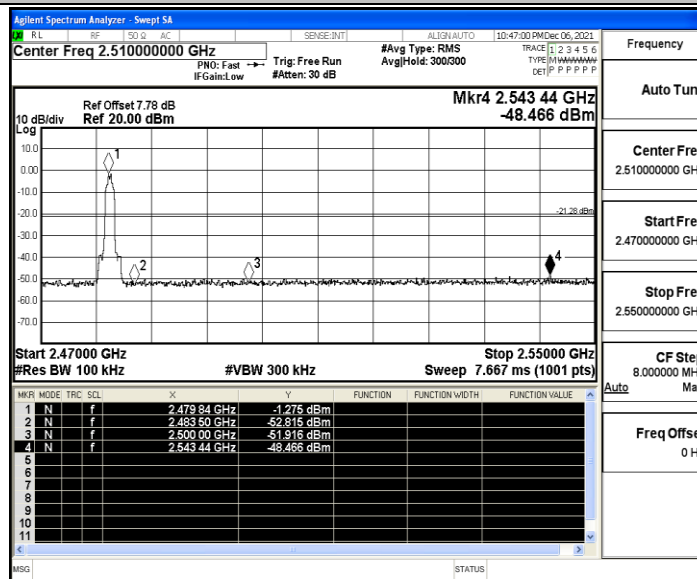


2DH5_Ant1_Low_2402

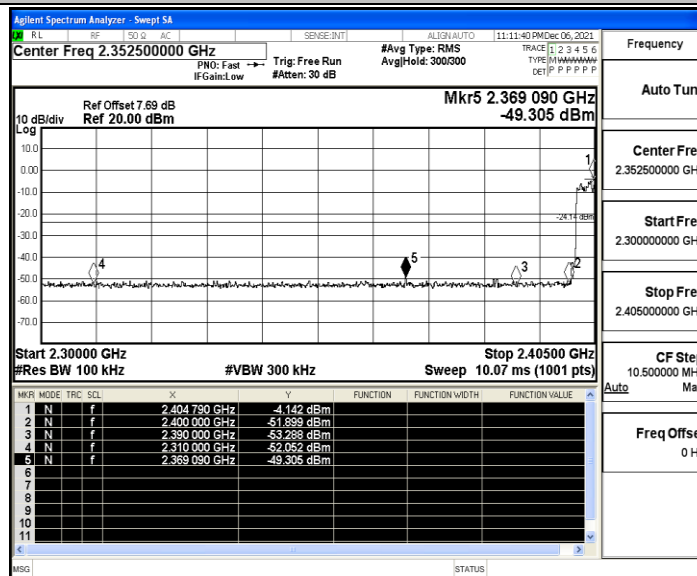




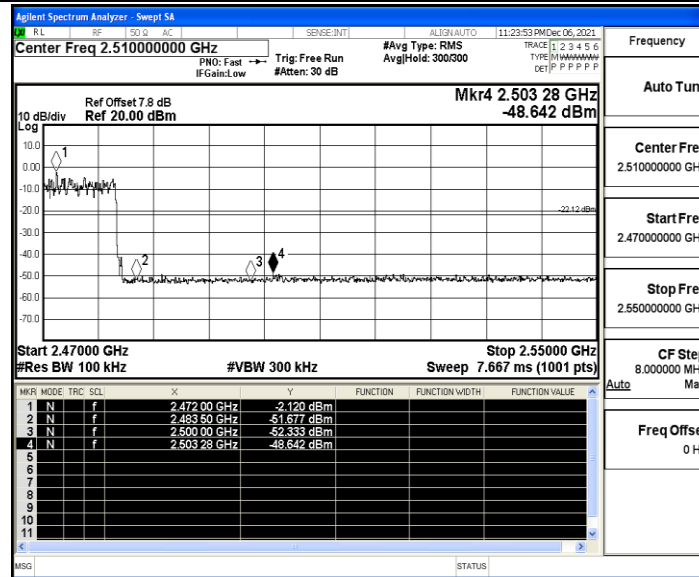
2DH5_Ant1_High_2480



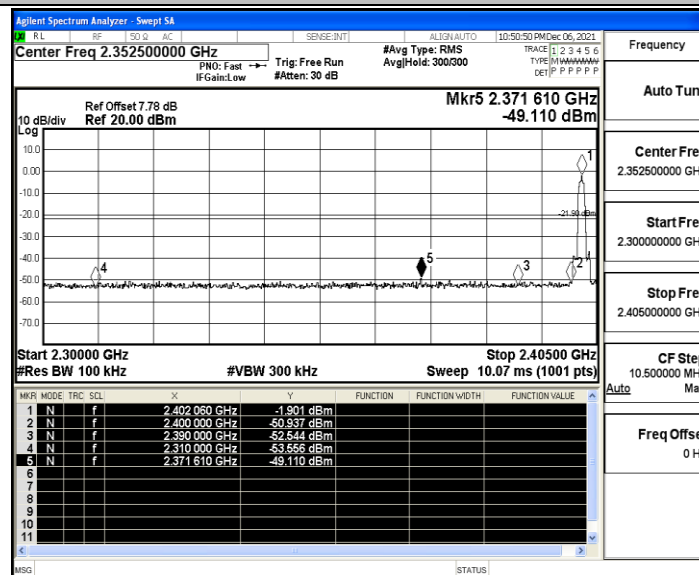
2DH5_Ant1_Low_Hop_2402



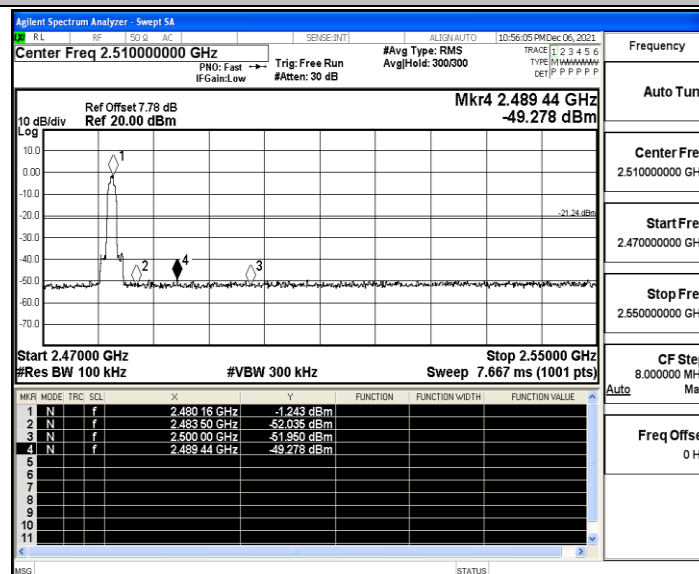
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

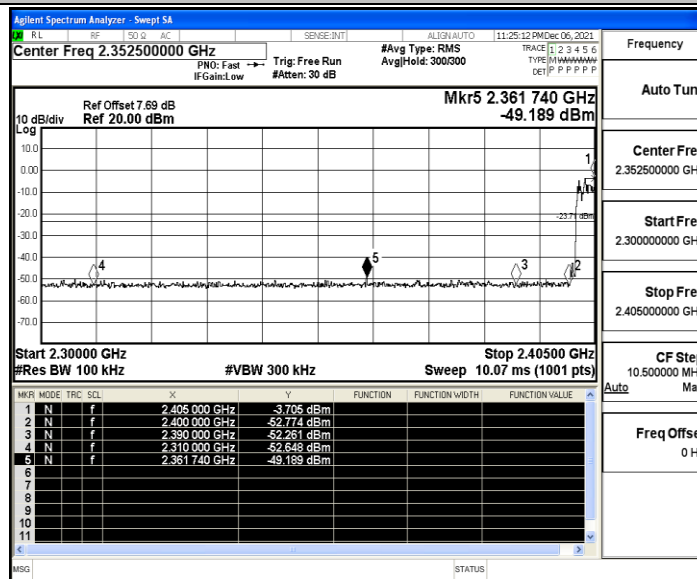


3DH5_Ant1_High_2480

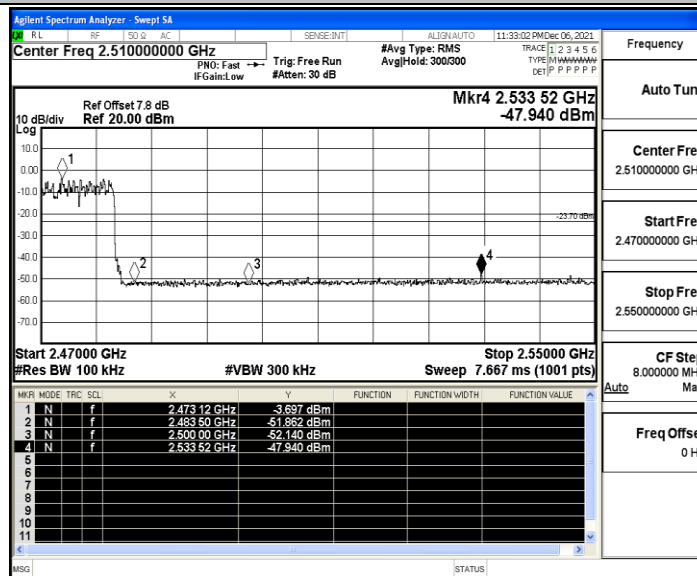




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





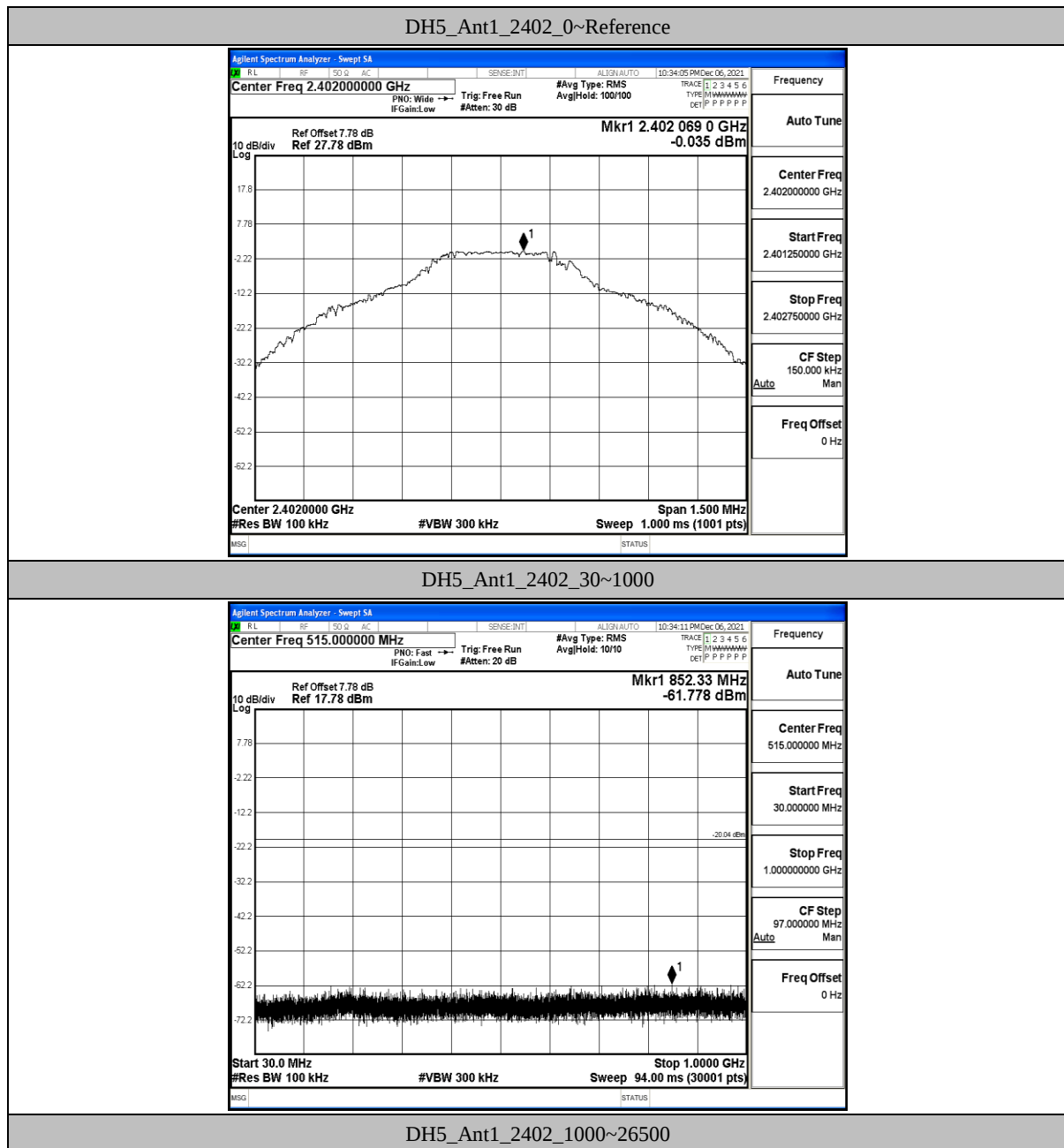
A.7 Conducted Spurious Emission

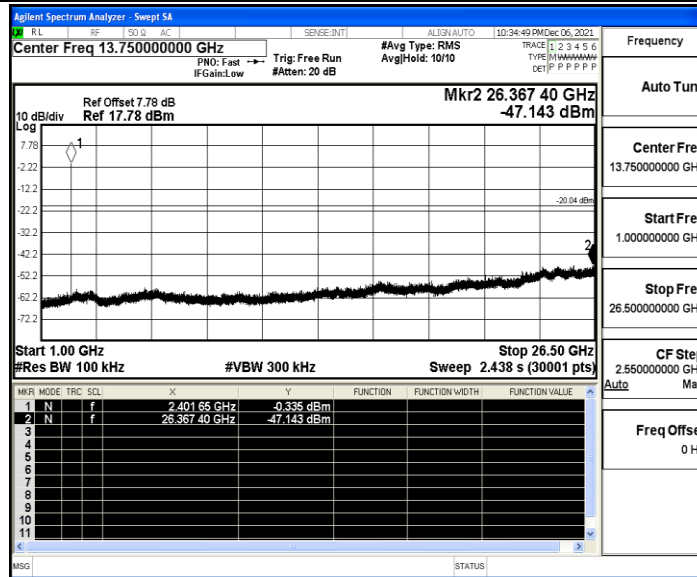
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-61.78	≤ -20.04	PASS
			1000~26500	-0.04	-47.14	≤ -20.04	PASS
		2441	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-61.78	≤ -18.5	PASS
			1000~26500	1.50	-47.23	≤ -18.5	PASS
		2480	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-61.59	≤ -19.85	PASS
			1000~26500	0.15	-46.49	≤ -19.85	PASS
2DH5	Ant1	2402	Reference	-1.40	-1.40	---	PASS
			30~1000	-1.40	-61.66	≤ -21.4	PASS
			1000~26500	-1.40	-47.43	≤ -21.4	PASS
		2441	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-62.11	≤ -19.82	PASS
			1000~26500	0.18	-47.04	≤ -19.82	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-62.19	≤ -21.47	PASS
			1000~26500	-1.47	-47.04	≤ -21.47	PASS
3DH5	Ant1	2402	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-61.7	≤ -21.18	PASS
			1000~26500	-1.18	-45.63	≤ -21.18	PASS
		2441	Reference	0.05	0.05	---	PASS
			30~1000	0.05	-60.67	≤ -19.95	PASS
			1000~26500	0.05	-47.11	≤ -19.95	PASS
		2480	Reference	-4.40	-4.40	---	PASS
			30~1000	-4.40	-61.51	≤ -24.4	PASS
			1000~26500	-4.40	-46.82	≤ -24.4	PASS

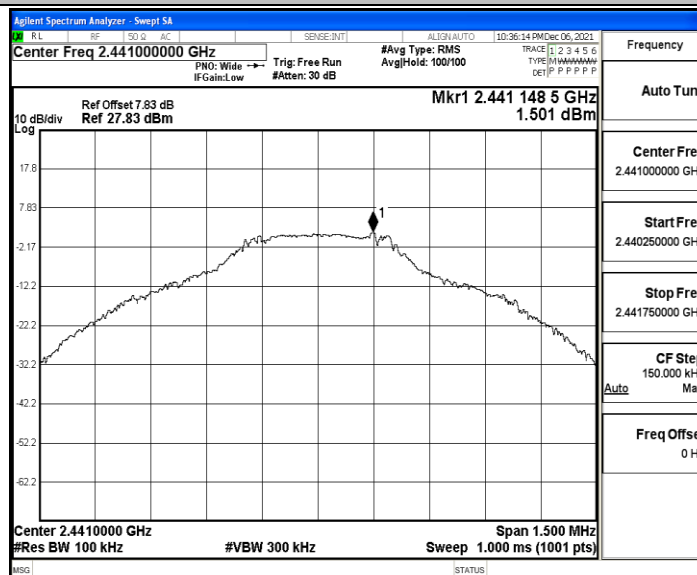


Test Graphs

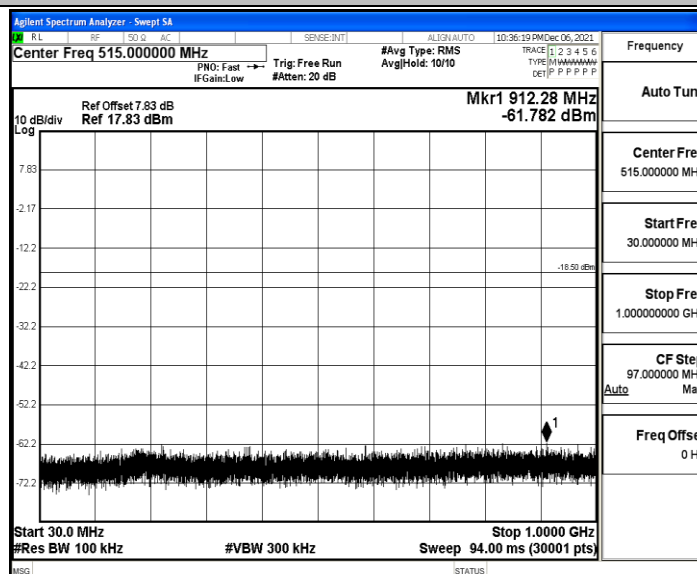




DH5_Ant1_2441_0~Reference

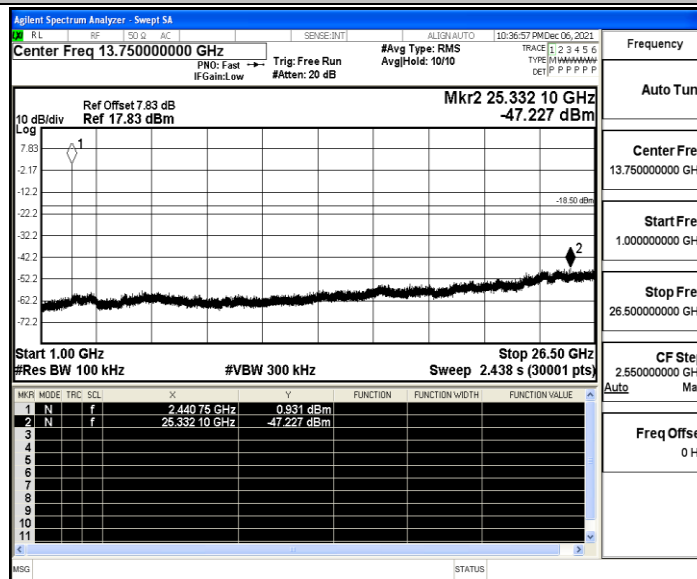


DH5_Ant1_2441_30~1000

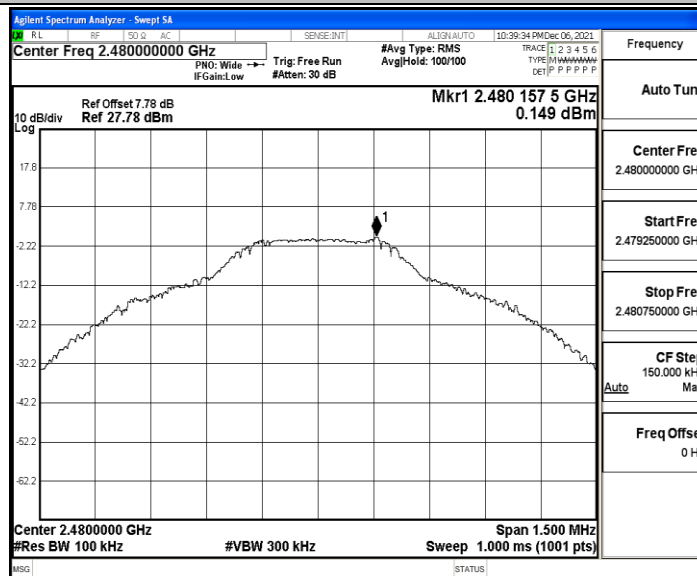




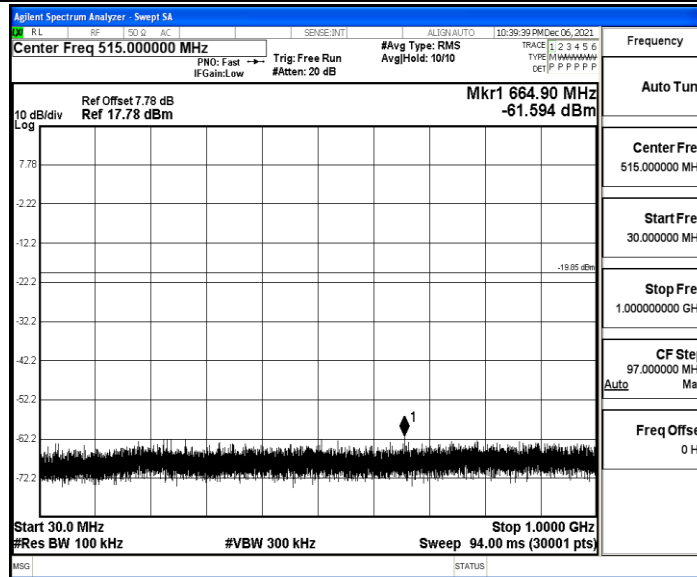
DH5_Ant1_2441_1000~26500



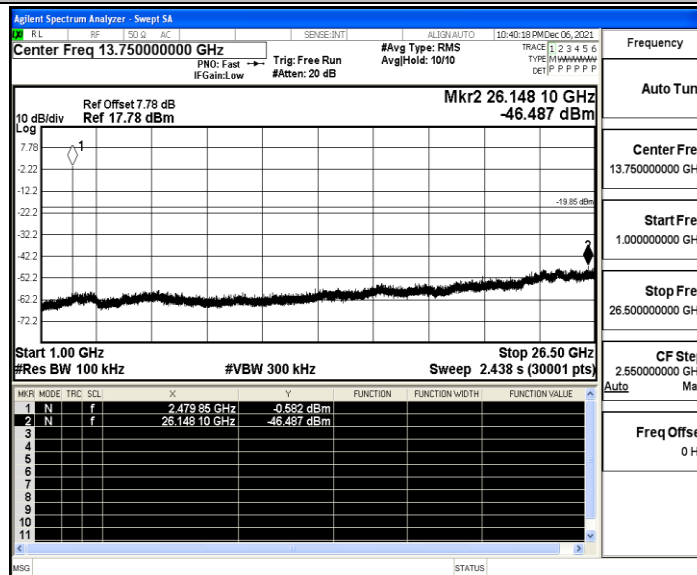
DH5_Ant1_2480_0~Reference



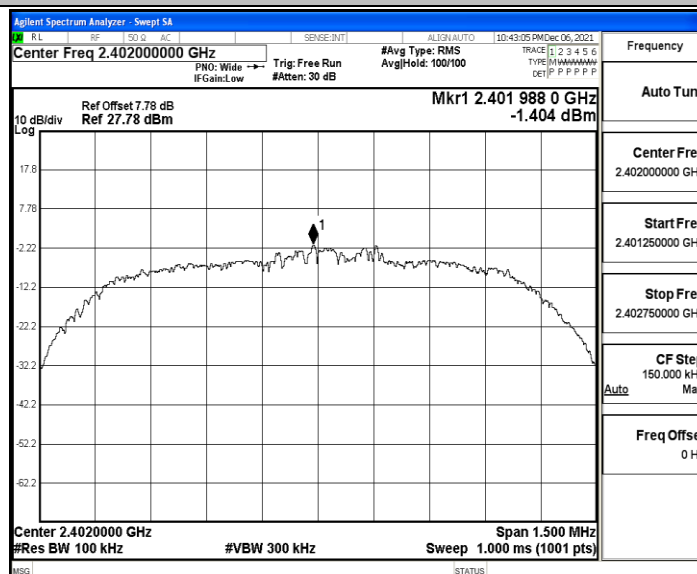
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

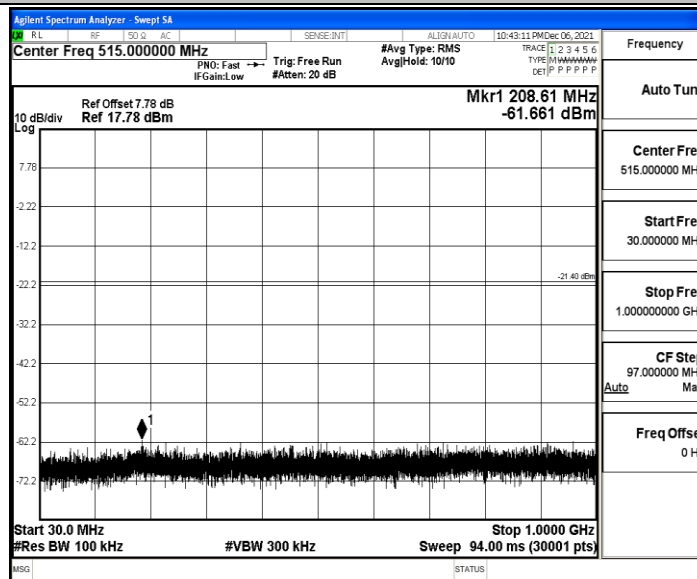


2DH5_Ant1_2402_0~Reference

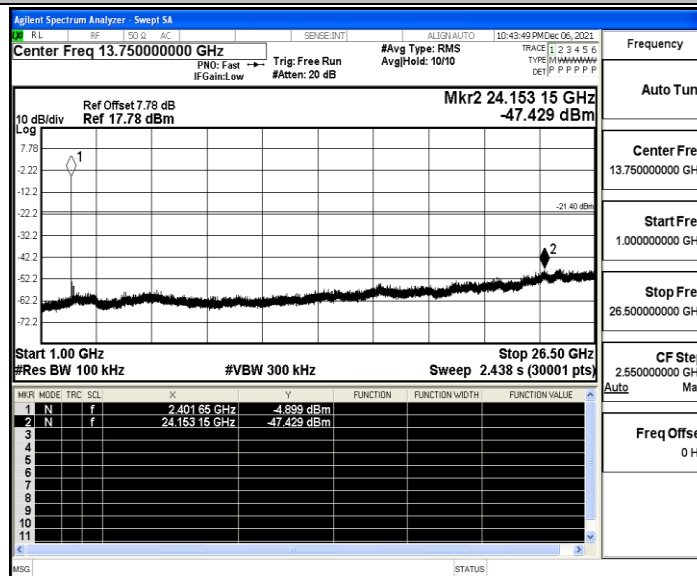




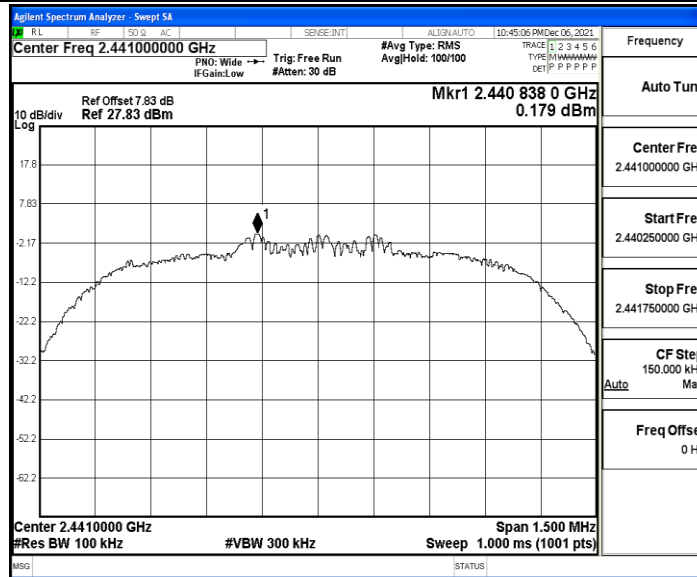
2DH5_Ant1_2402_30~1000



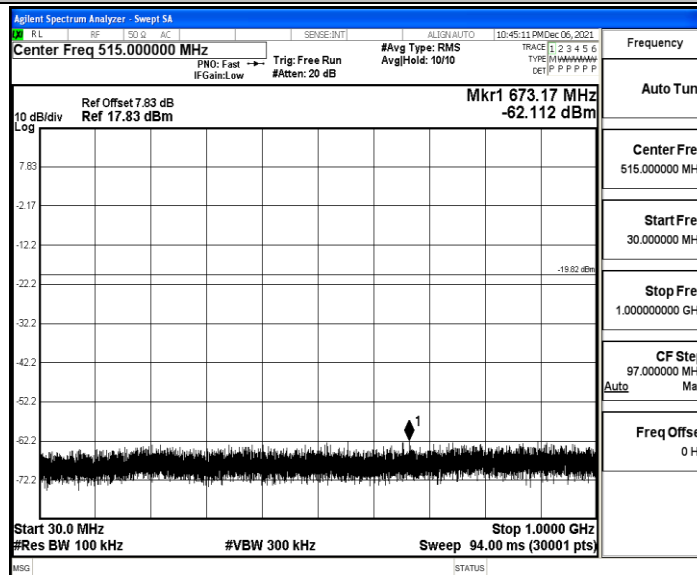
2DH5_Ant1_2402_1000~26500



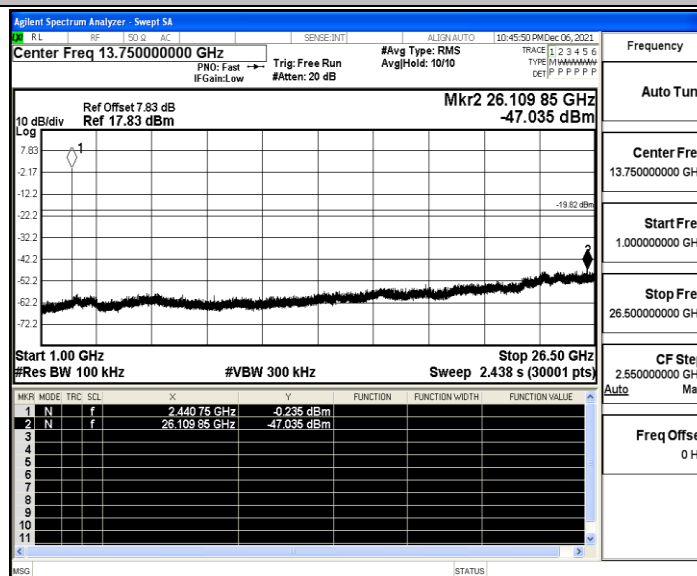
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

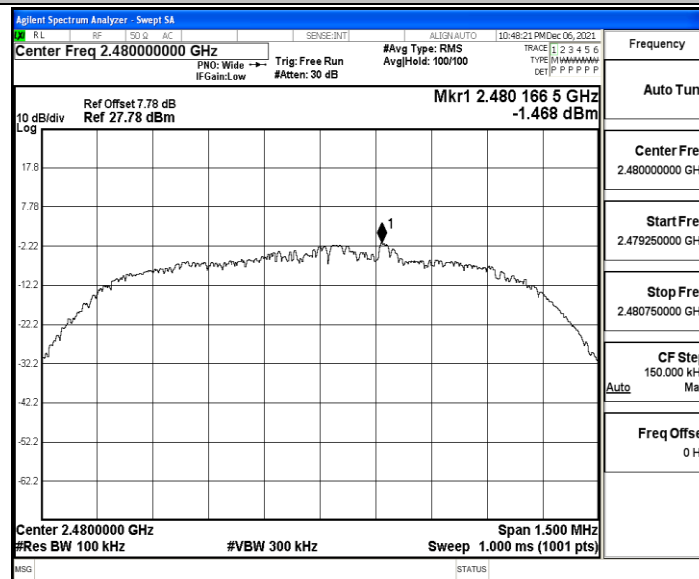


2DH5_Ant1_2441_1000~26500

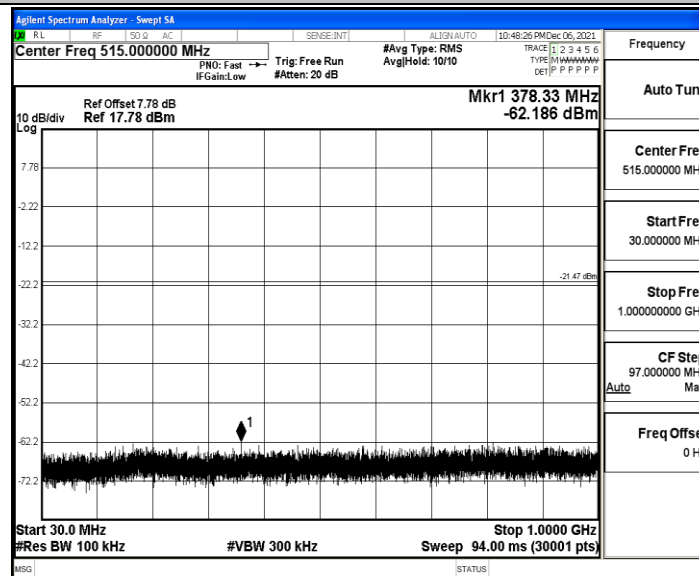




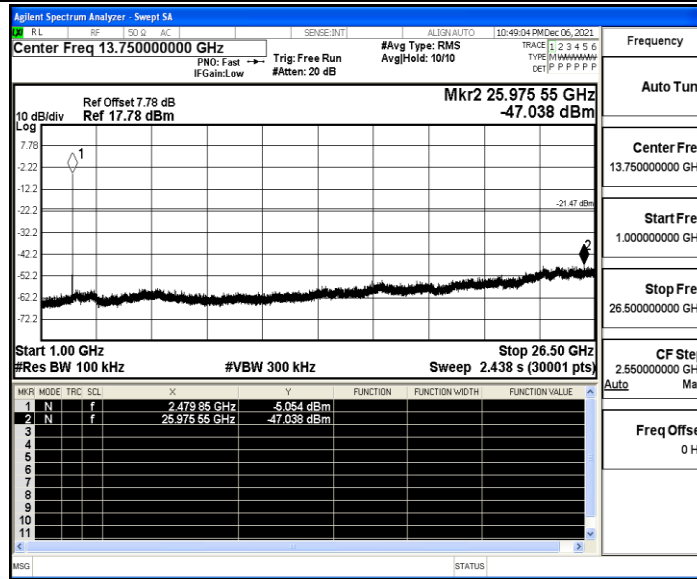
2DH5_Ant1_2480_0~Reference



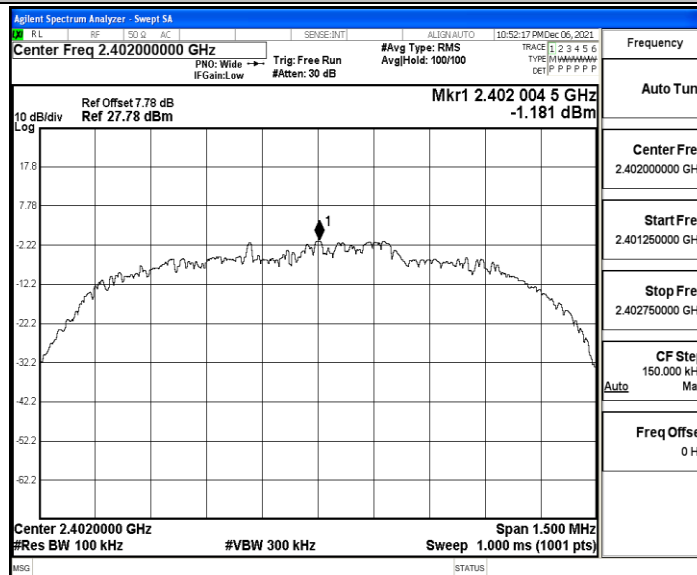
2DH5_Ant1_2480_30~1000



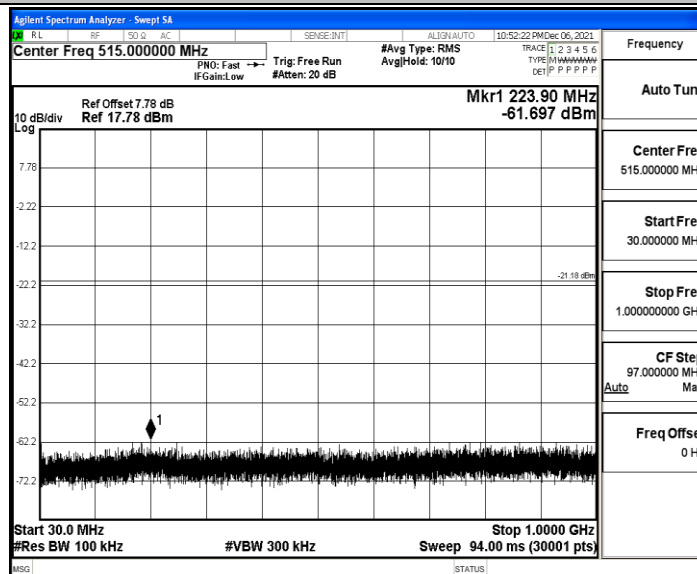
2DH5_Ant1_2480_1000~26500

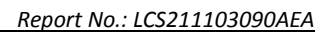


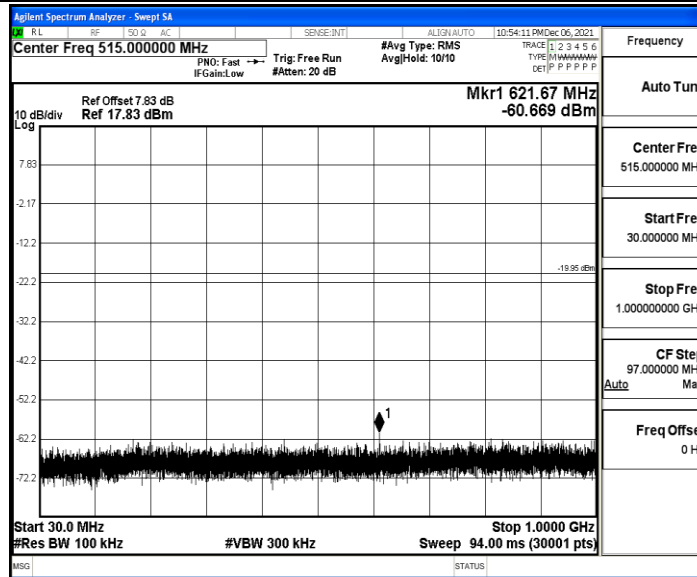
3DH5_Ant1_2402_0~Reference



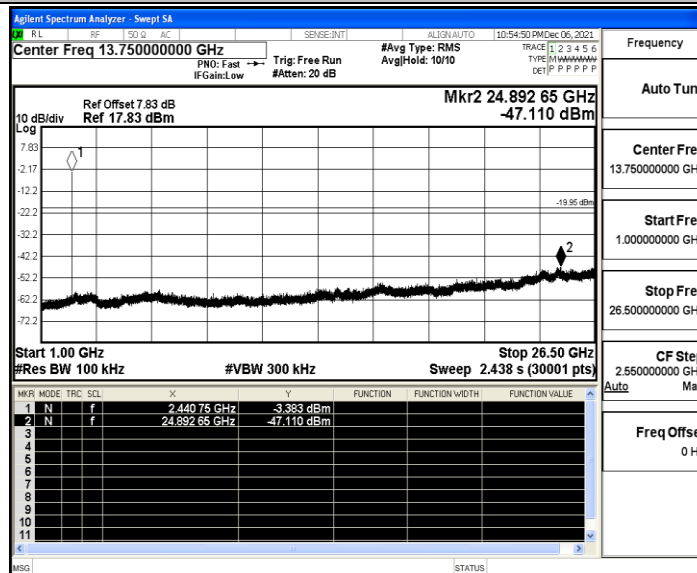
3DH5_Ant1_2402_30~1000



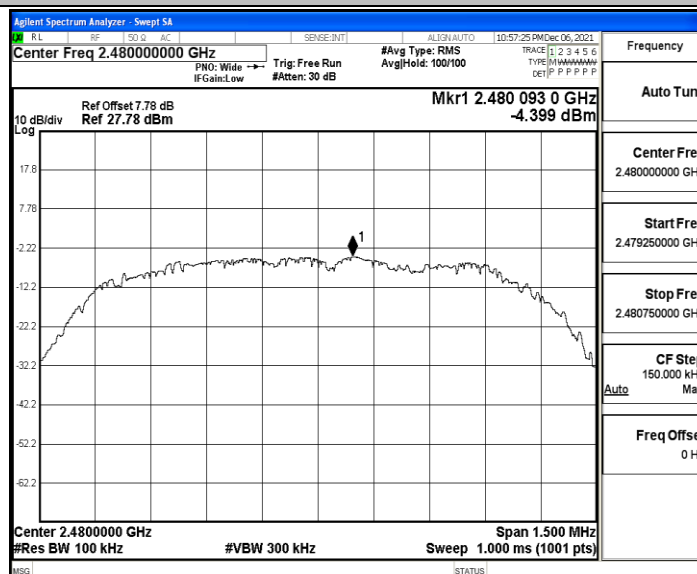




3DH5_Ant1_2441_1000~26500

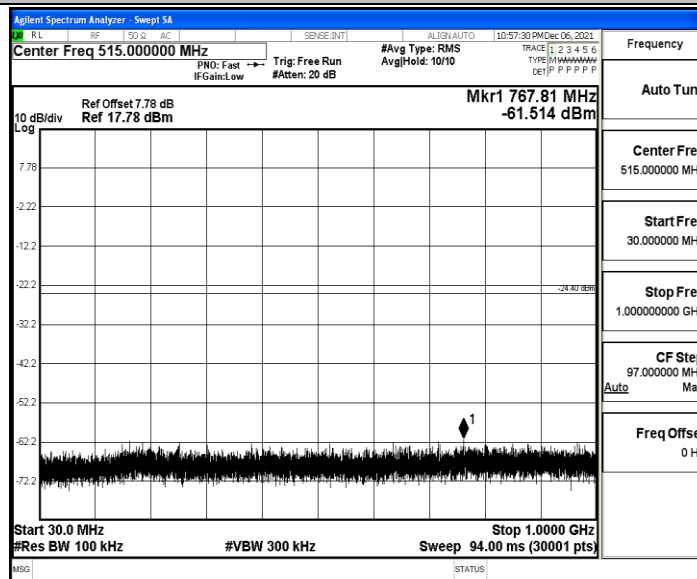


3DH5_Ant1_2480_0~Reference

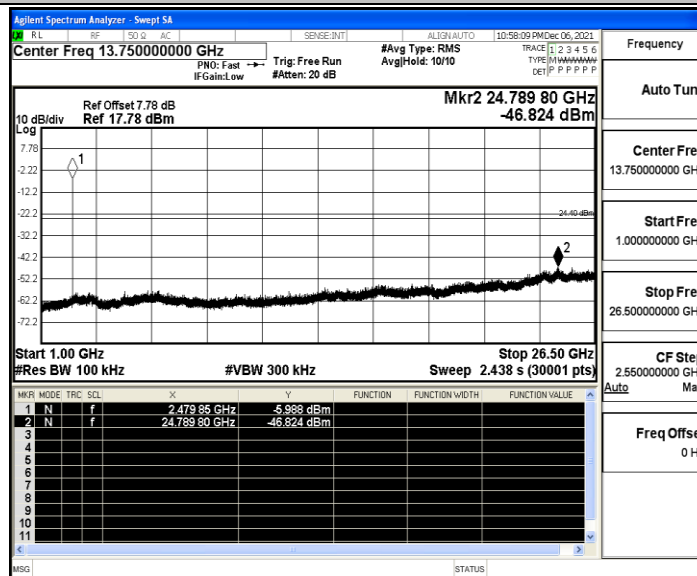




3DH5_Ant1_2480_30~1000



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	-49.19	≤-41.20	46.01	≤54	PASS
				AV	2379.695	-48.61	≤-41.20	46.59	≤54	PASS
				AV	2390.000	-48.68	≤-41.20	46.52	≤54	PASS
				Peak	2310.000	-40.77	≤-21.20	54.43	≤74	PASS
				Peak	2385.890	-38.69	≤-21.20	56.51	≤74	PASS
				Peak	2390.000	-41.39	≤-21.20	53.81	≤74	PASS
		High	2480	AV	2483.500	-48.07	≤-41.20	47.13	≤54	PASS
				AV	2498.960	-48.03	≤-41.20	47.17	≤54	PASS
				AV	2500.000	-48.07	≤-41.20	47.13	≤54	PASS
				Peak	2483.500	-41.75	≤-21.20	53.45	≤74	PASS
				Peak	2495.600	-38.6	≤-21.20	56.60	≤74	PASS
				Peak	2500.000	-40.07	≤-21.20	55.13	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-49.13	≤-41.20	46.07	≤54	PASS
				AV	2389.355	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2390.000	-48.82	≤-41.20	46.38	≤54	PASS
				Peak	2310.000	-42.19	≤-21.20	53.01	≤74	PASS
				Peak	2376.545	-38.81	≤-21.20	56.39	≤74	PASS
				Peak	2390.000	-41.97	≤-21.20	53.23	≤74	PASS
		High	2480	AV	2483.500	-48.07	≤-41.20	47.13	≤54	PASS
				AV	2496.560	-48.06	≤-41.20	47.14	≤54	PASS
				AV	2500.000	-48.18	≤-41.20	47.02	≤54	PASS
				Peak	2483.500	-40.71	≤-21.20	54.49	≤74	PASS
				Peak	2483.600	-38.51	≤-21.20	56.69	≤74	PASS
				Peak	2500.000	-40.76	≤-21.20	54.44	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2385.995	-48.65	≤-41.20	46.55	≤54	PASS
				AV	2390.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2310.000	-42.18	≤-21.20	53.02	≤74	PASS
				Peak	2339.270	-39.16	≤-21.20	56.04	≤74	PASS
				Peak	2390.000	-41.51	≤-21.20	53.69	≤74	PASS
		High	2480	AV	2483.500	-47.96	≤-41.20	47.24	≤54	PASS
				AV	2483.520	-47.96	≤-41.20	47.24	≤54	PASS
				AV	2500.000	-48.06	≤-41.20	47.14	≤54	PASS
				Peak	2483.500	-41.48	≤-21.20	53.72	≤74	PASS
				Peak	2495.520	-39.21	≤-21.20	55.99	≤74	PASS
				Peak	2500.000	-40.54	≤-21.20	54.66	≤74	PASS



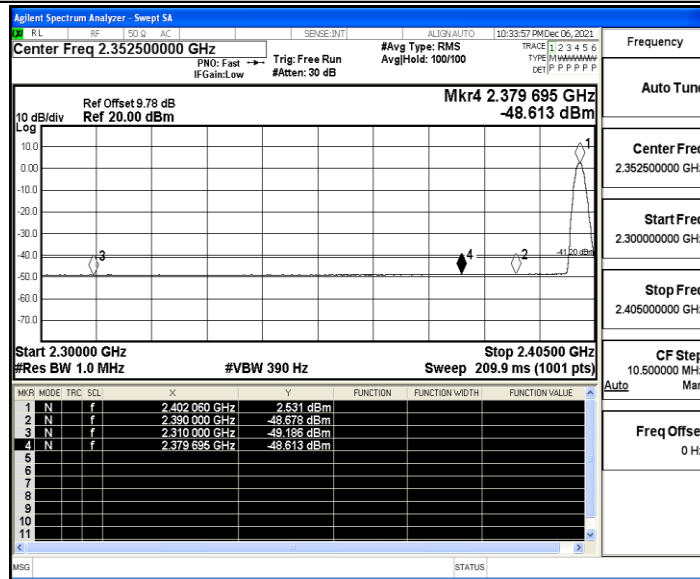
Note:

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.

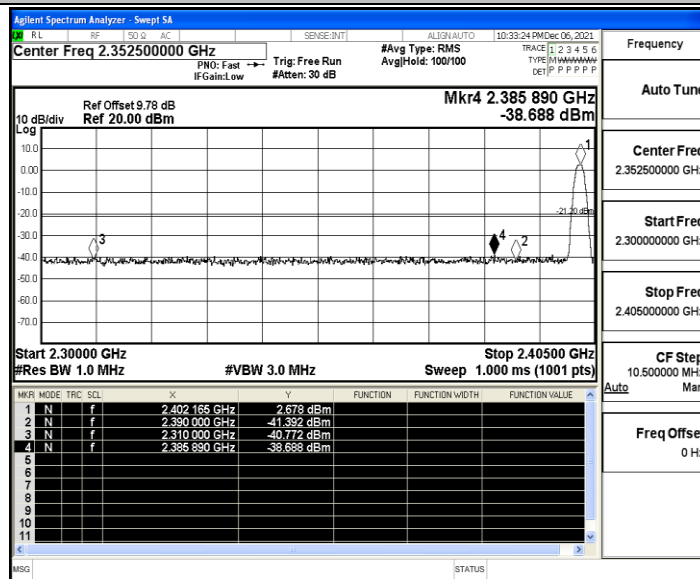


Test Graphs

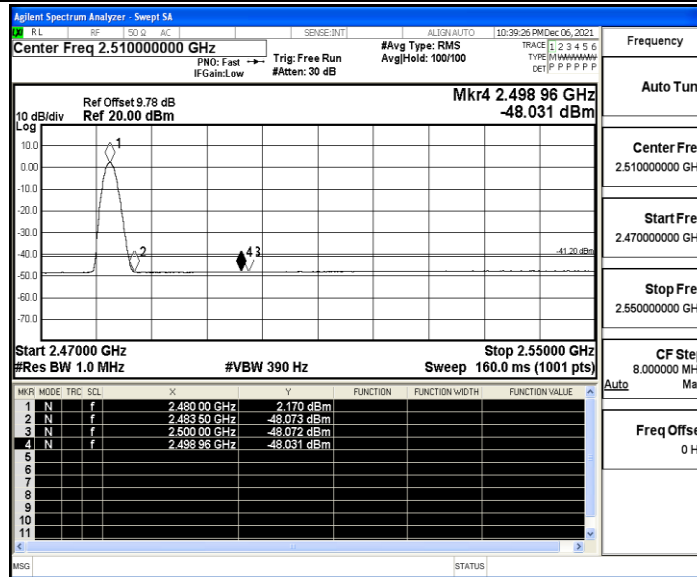
DH5_Ant1_Low_2402_AV



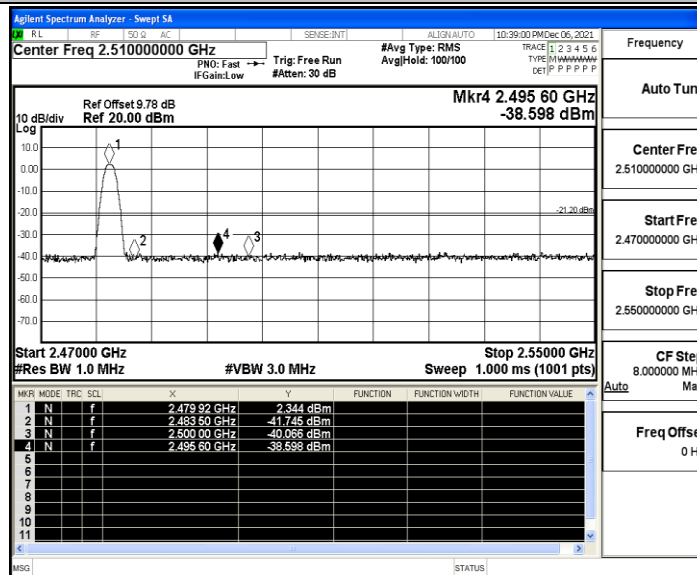
DH5_Ant1_Low_2402_Peak



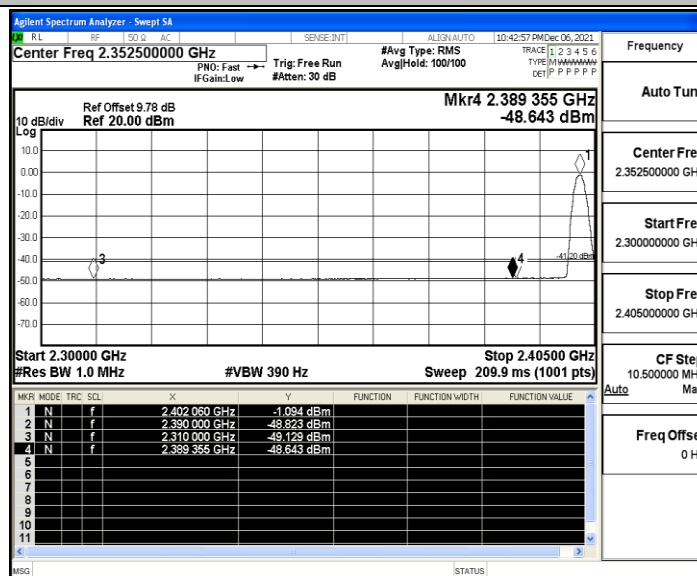
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

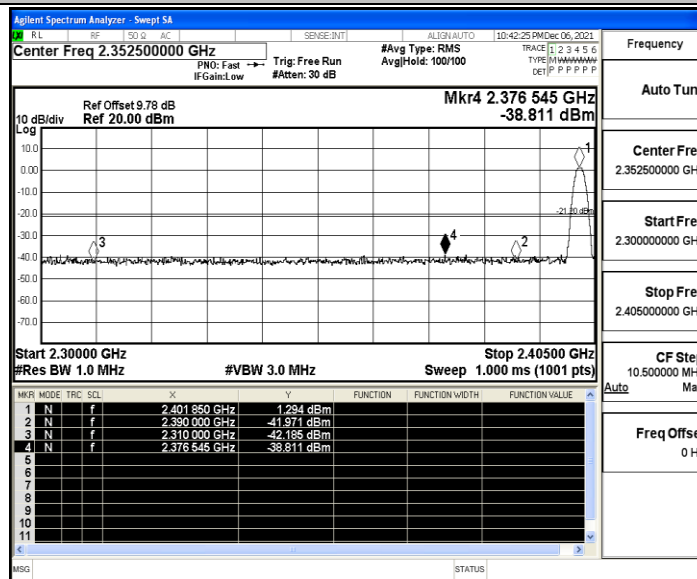


2DH5_Ant1_Low_2402_AV

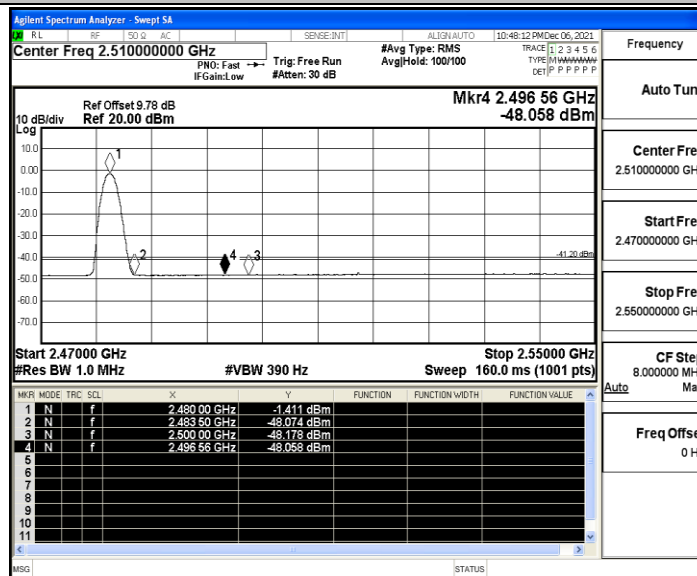




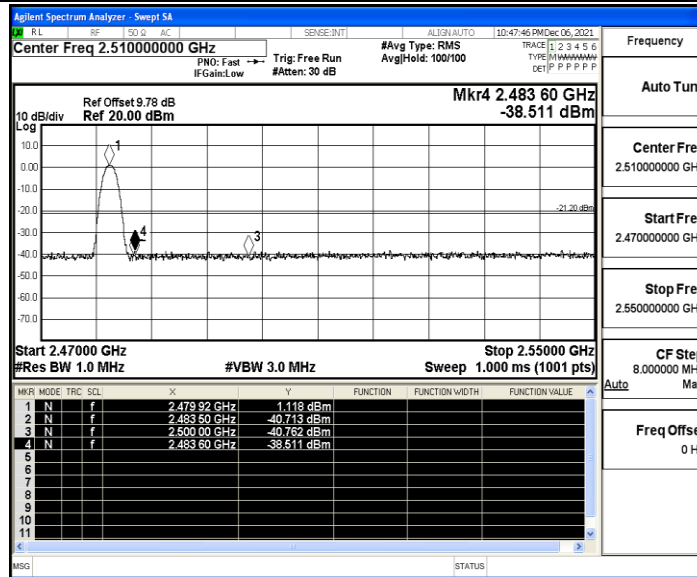
2DH5_Ant1_Low_2402_Peak



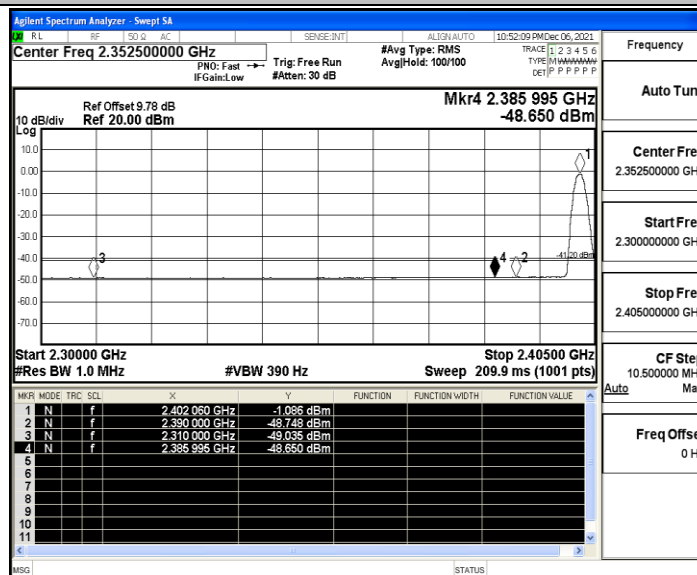
2DH5_Ant1_High_2480_AV



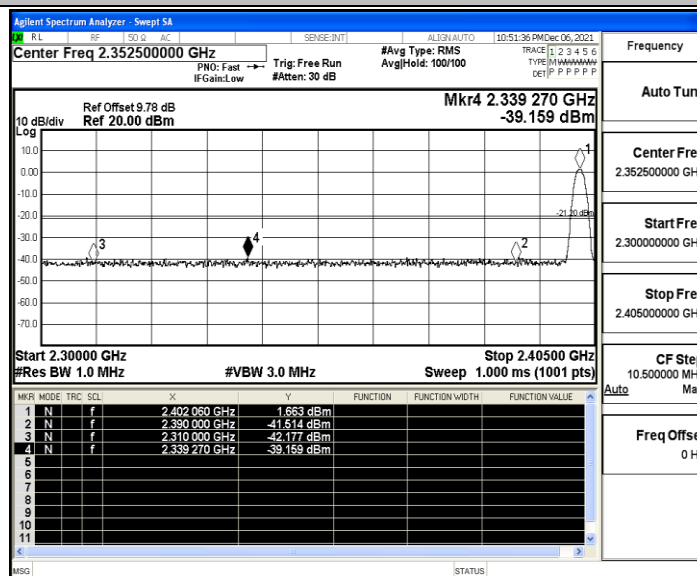
2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

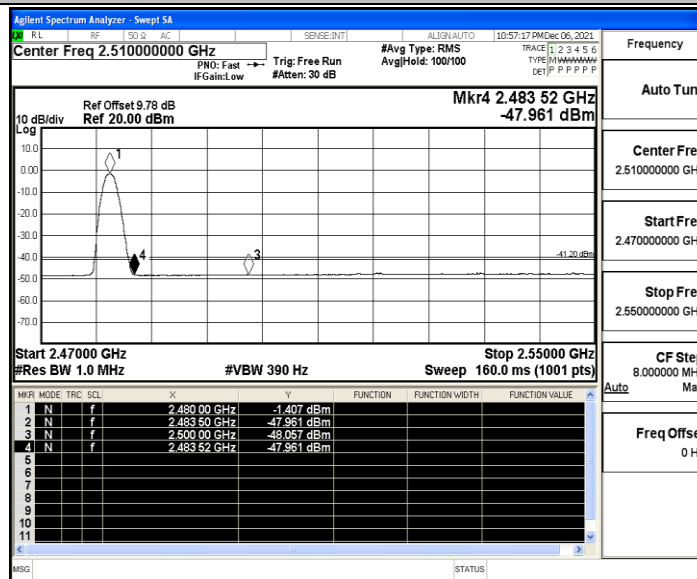


3DH5_Ant1_Low_2402_Peak





3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

