



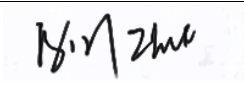
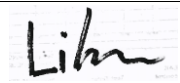
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Charger Music Lamp

Test Model: BL1

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	
Supervised by:	



A.1 20dB Emission Bandwidth

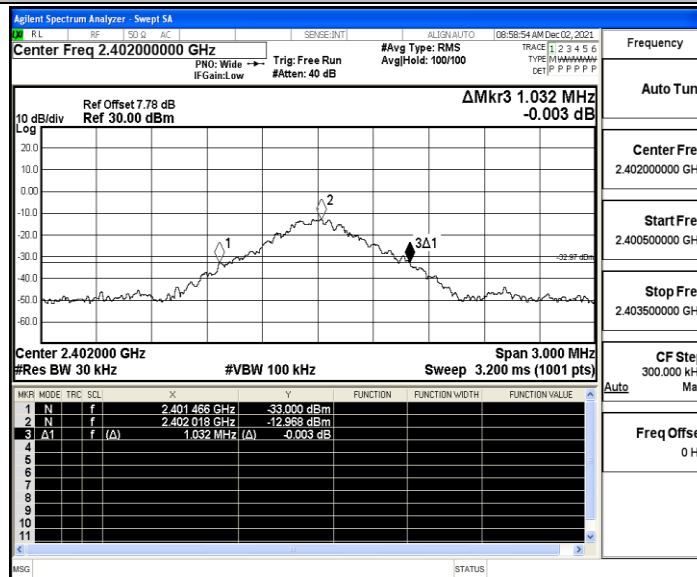
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant	2402	1.032	2401.466	2402.498	---	PASS
		2441	1.041	2440.466	2441.507	---	PASS
		2480	1.038	2479.469	2480.507	---	PASS
2DH5	Ant	2402	1.317	2401.343	2402.660	---	PASS
		2441	1.326	2440.337	2441.663	---	PASS
		2480	1.332	2479.337	2480.669	---	PASS
3DH5	Ant	2402	1.317	2401.343	2402.660	---	PASS
		2441	1.332	2440.334	2441.666	---	PASS
		2480	1.350	2479.325	2480.675	---	PASS

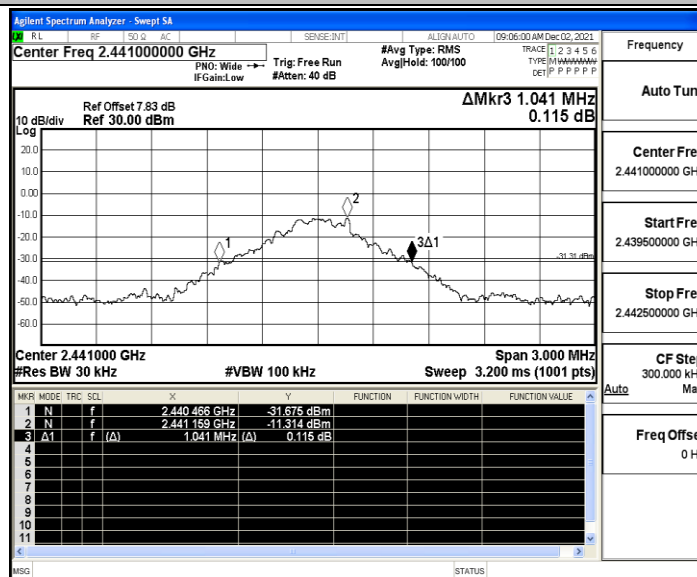


Test Graphs

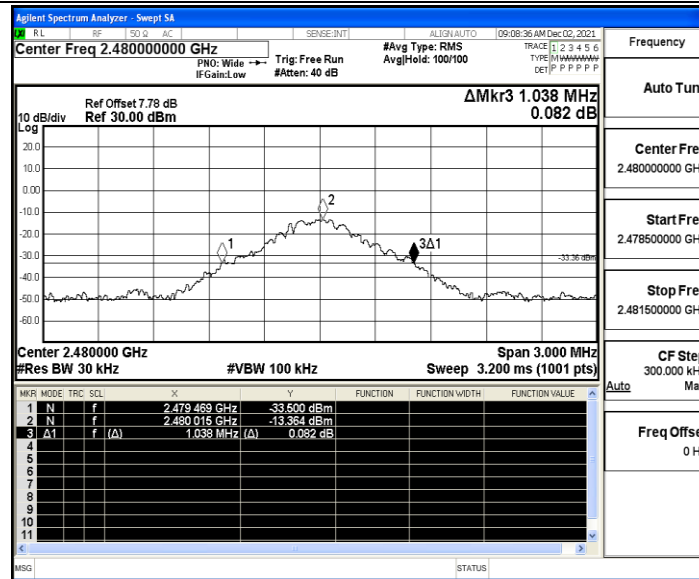
DH5_Ant_2402



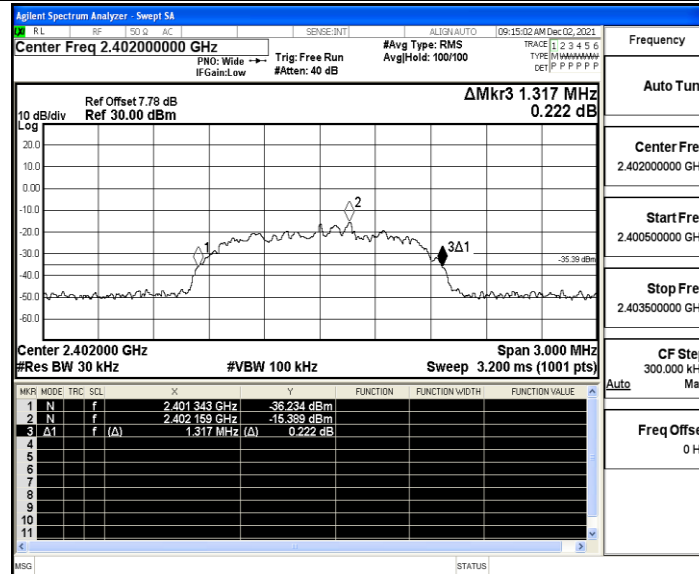
DH5_Ant_2441



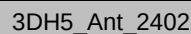
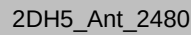
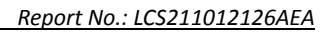
DH5_Ant_2480

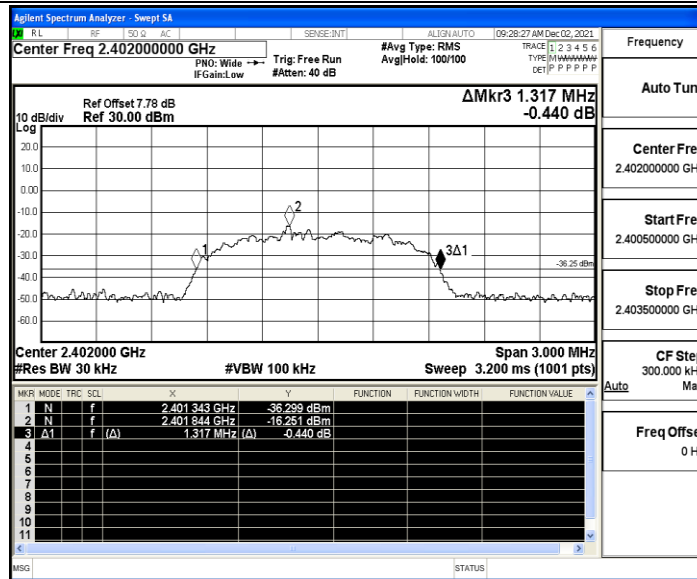


2DH5_Ant_2402

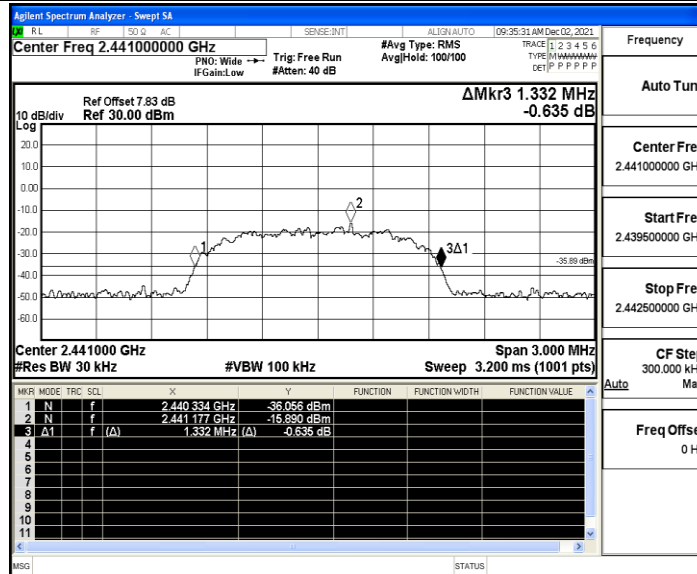


2DH5_Ant_2441

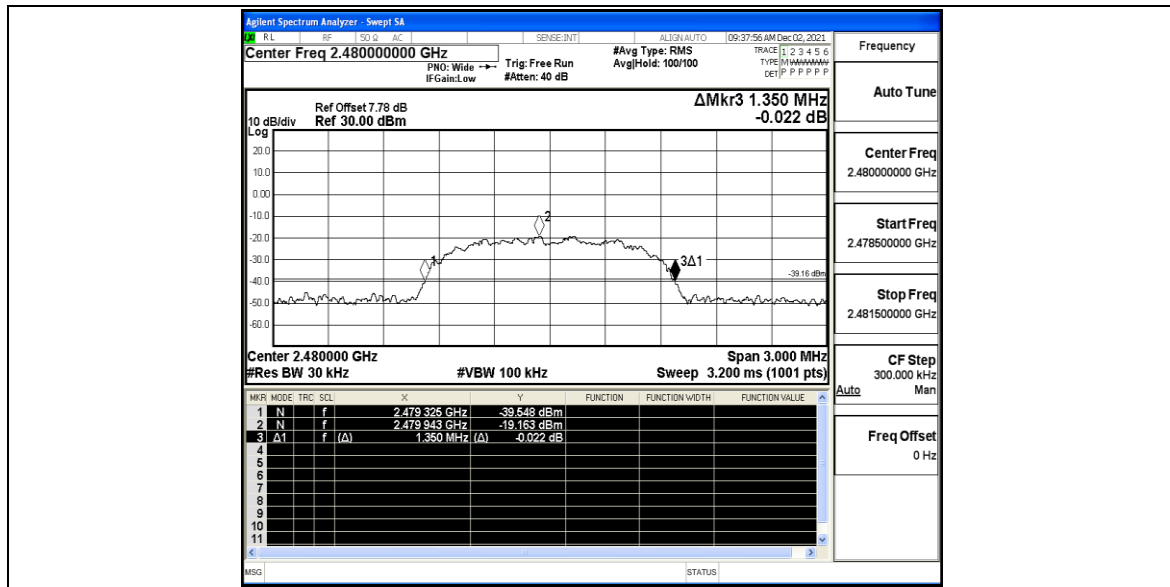




3DH5_Ant_2441



3DH5_Ant_2480



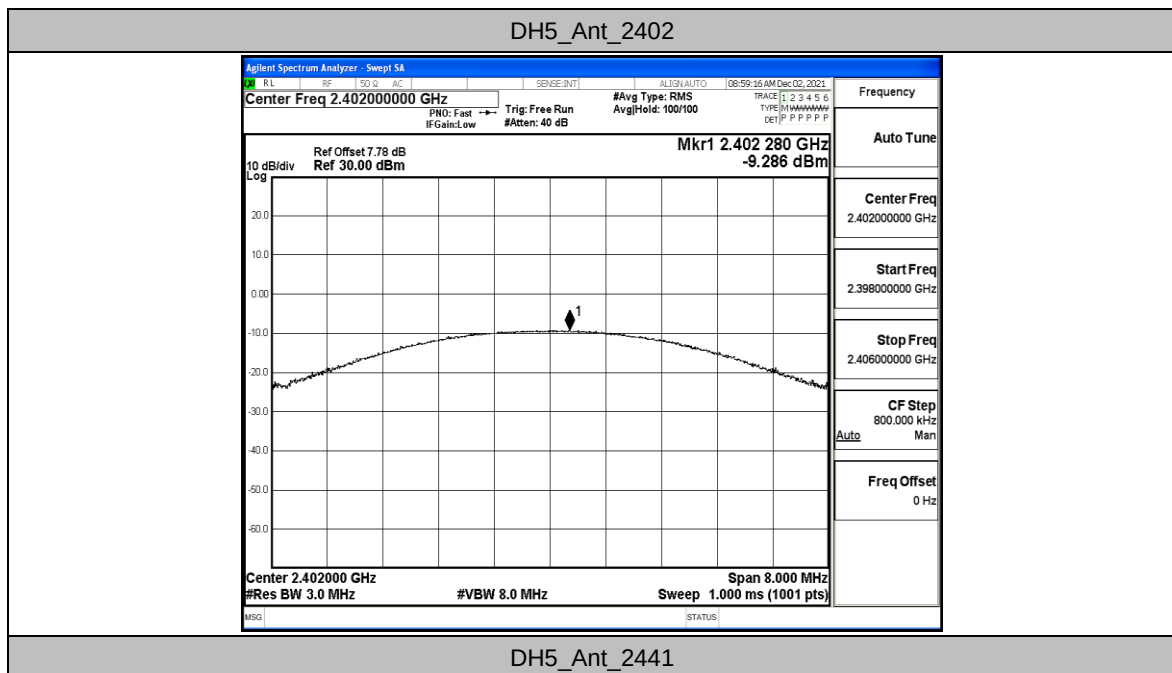


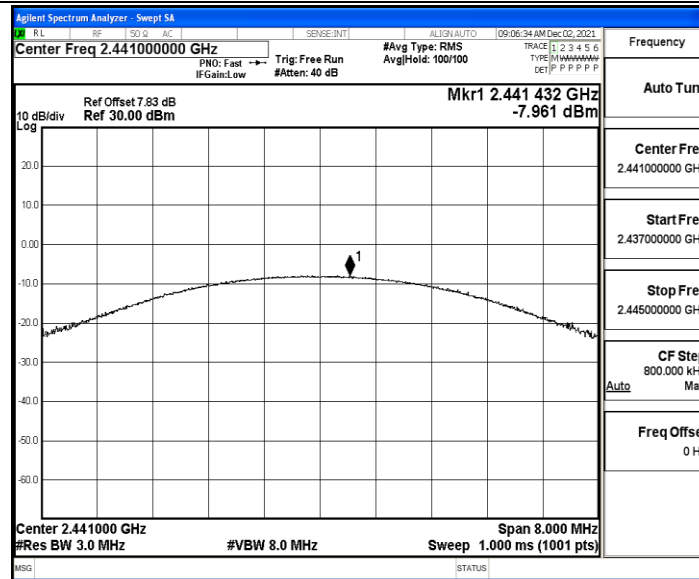
A.2 Maximum conducted output power

Test Result

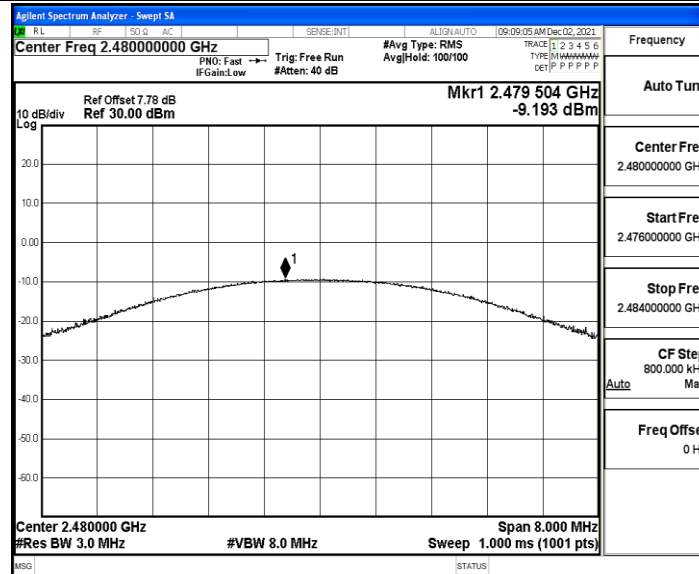
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant	2402	-9.29	≤20.97	PASS
		2441	-7.96	≤20.97	PASS
		2480	-9.19	≤20.97	PASS
2DH5	Ant	2402	-10.26	≤20.97	PASS
		2441	-8.97	≤20.97	PASS
		2480	-10.32	≤20.97	PASS
3DH5	Ant	2402	-9.79	≤20.97	PASS
		2441	-8.76	≤20.97	PASS
		2480	-10.19	≤20.97	PASS

Test Graphs

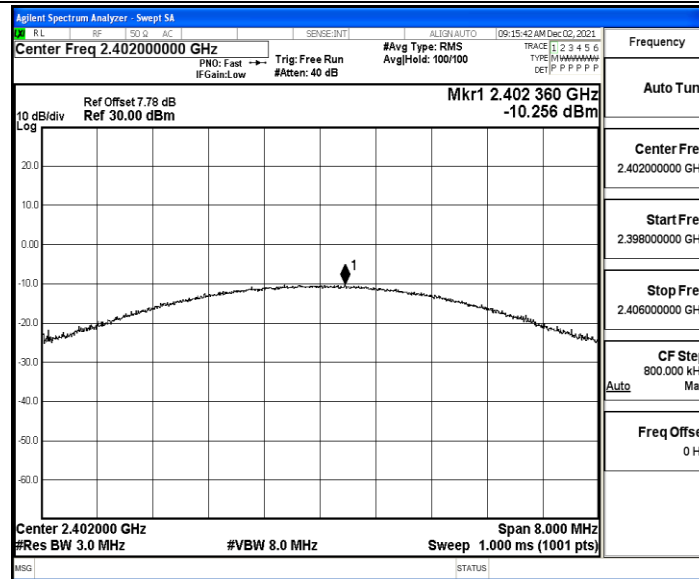




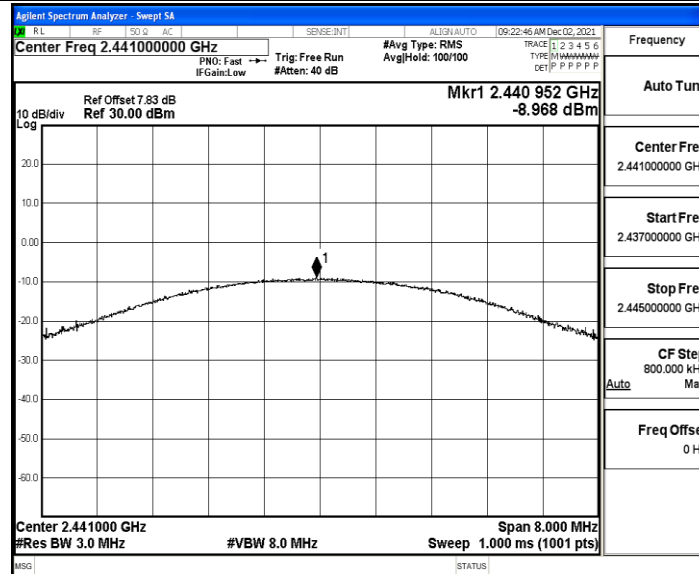
DH5_Ant_2480



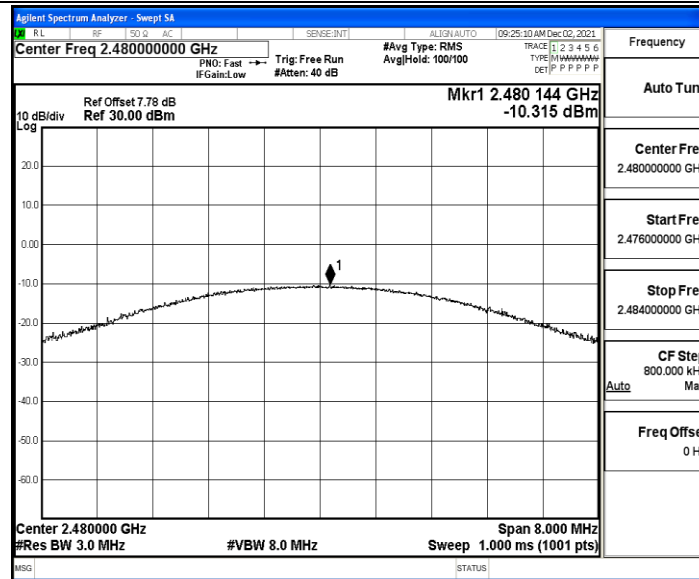
2DH5_Ant_2402



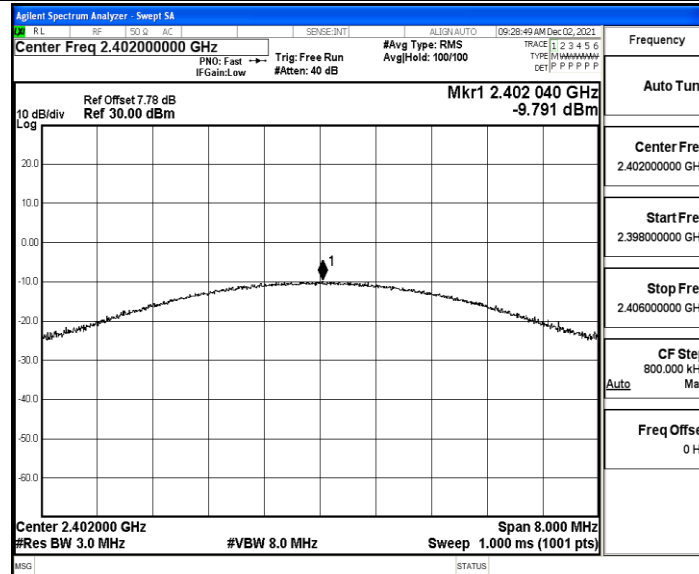
2DH5_Ant_2441



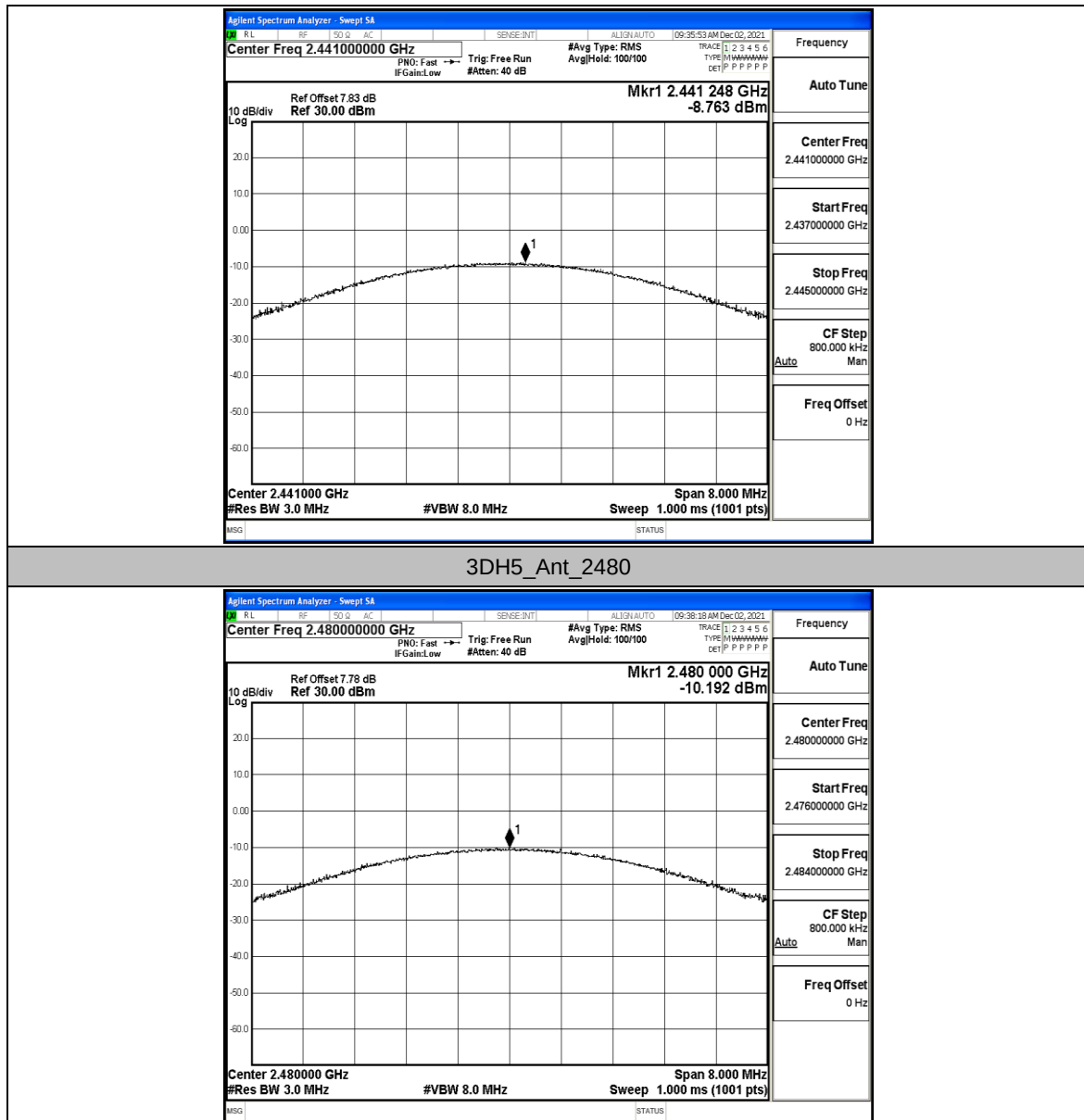
2DH5_Ant_2480



3DH5_Ant_2402



3DH5_Ant_2441



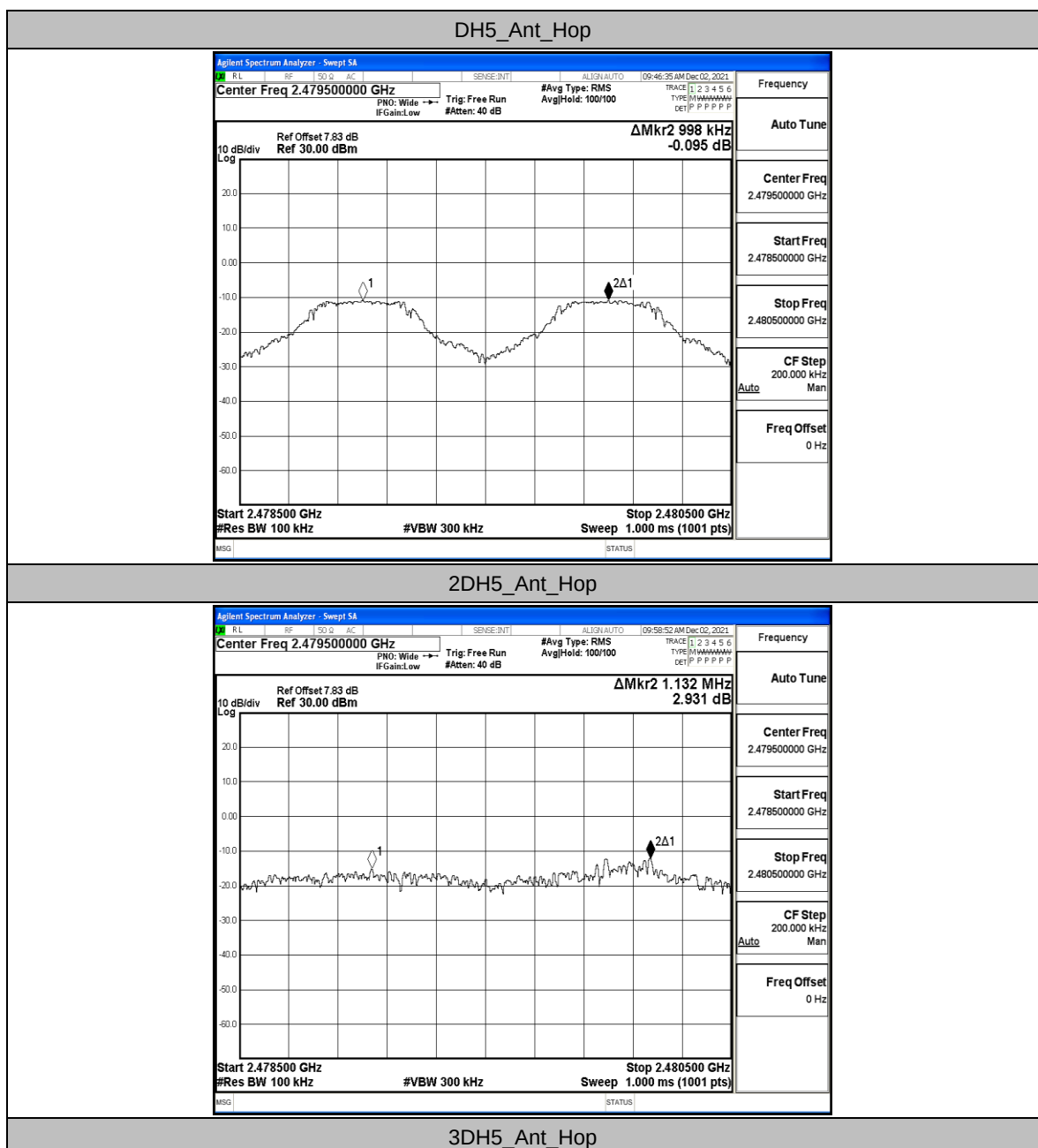


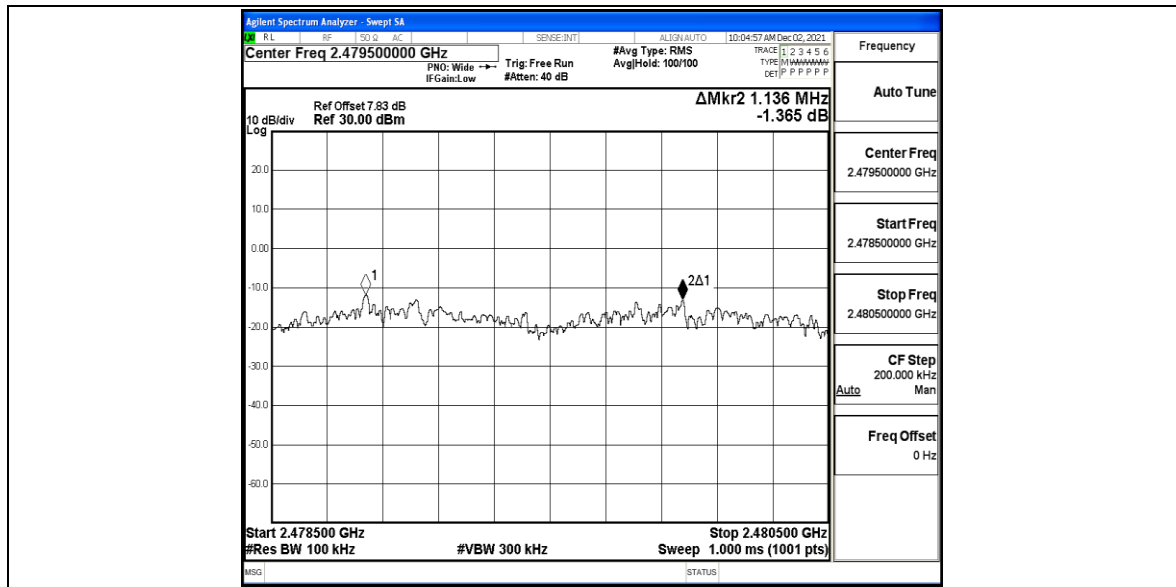
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant	Hop	0.998	≥ 0.694	PASS
2DH5	Ant	Hop	1.132	≥ 0.888	PASS
3DH5	Ant	Hop	1.136	≥ 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	Ant	Hop	2.88	109	0.313	≤0.4	PASS
2DH5	Ant	Hop	2.88	108	0.311	≤0.4	PASS
3DH5	Ant	Hop	2.88	108	0.311	≤0.4	PASS

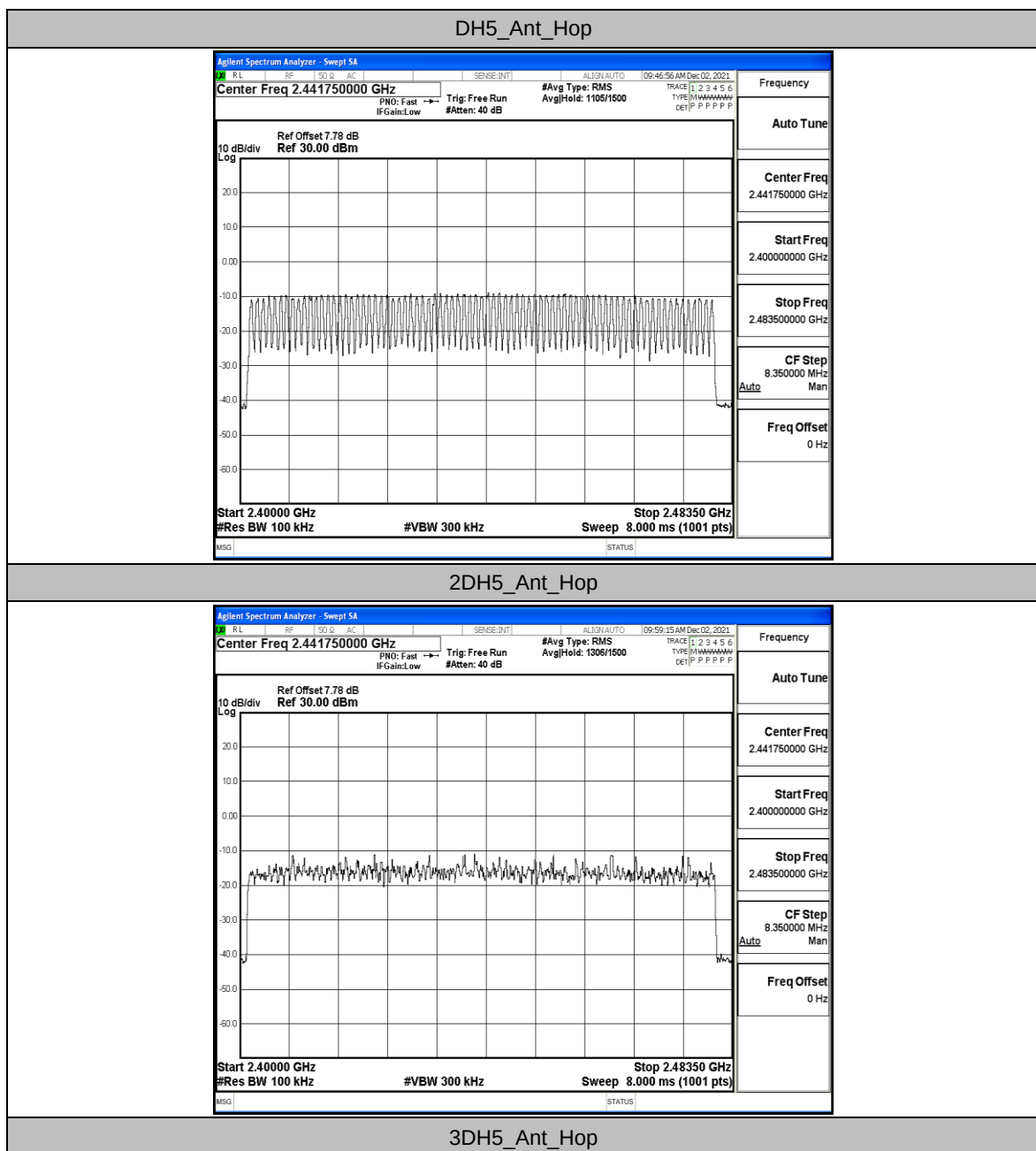


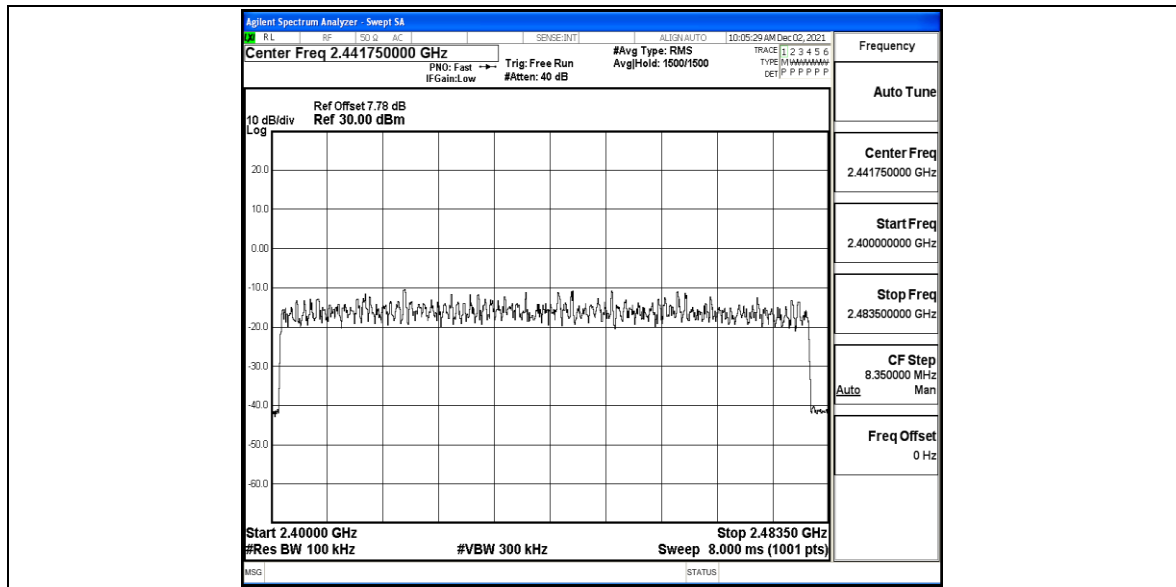
A.5 Number of hopping channels

Test Result

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

Test Graphs







A.6 Band edge measurements

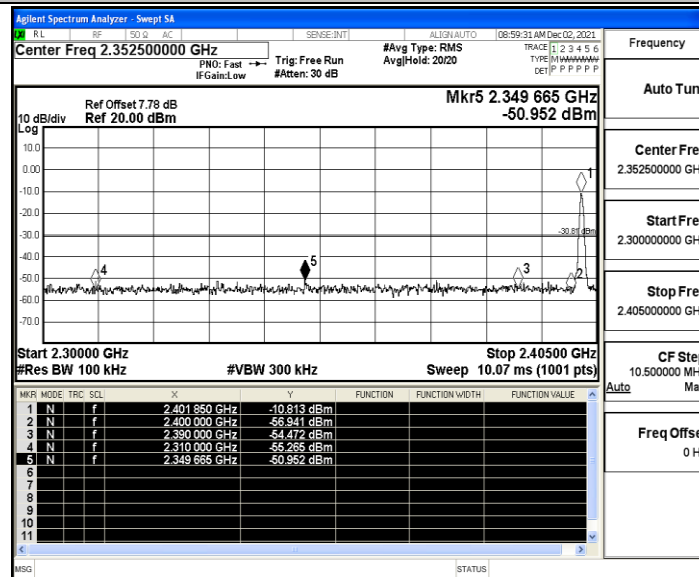
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	Low	2402	-10.81	-50.95	≤ -30.81	PASS
		High	2480	-10.83	-49.93	≤ -30.83	PASS
		Low	Hop_2402	-10.85	-49.81	≤ -30.85	PASS
		High	Hop_2480	-10.52	-48.32	≤ -30.52	PASS
2DH5	Ant	Low	2402	-15.86	-51.08	≤ -35.86	PASS
		High	2480	-15.13	-49.92	≤ -35.13	PASS
		Low	Hop_2402	-15.25	-49.62	≤ -35.25	PASS
		High	Hop_2480	-11.27	-48.92	≤ -31.27	PASS
3DH5	Ant	Low	2402	-15.15	-51.06	≤ -35.15	PASS
		High	2480	-12.24	-50.04	≤ -32.24	PASS
		Low	Hop_2402	-15.62	-49.83	≤ -35.62	PASS
		High	Hop_2480	-13.37	-49.05	≤ -33.37	PASS

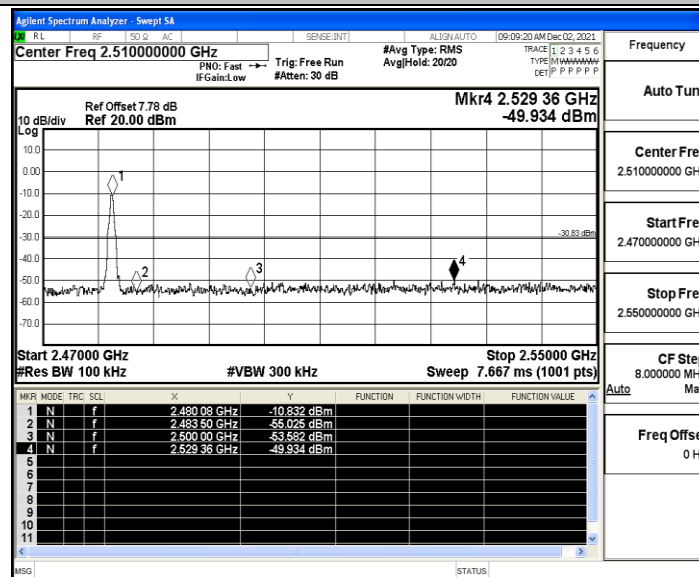


Test Graphs

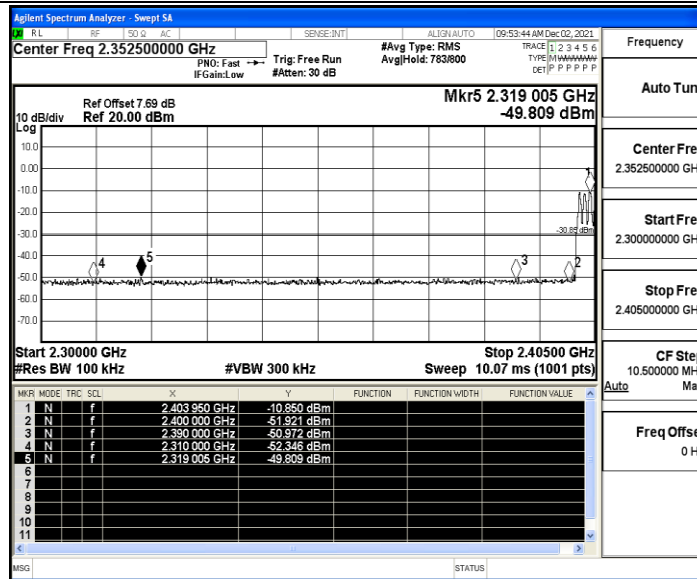
DH5_Ant_Low_2402



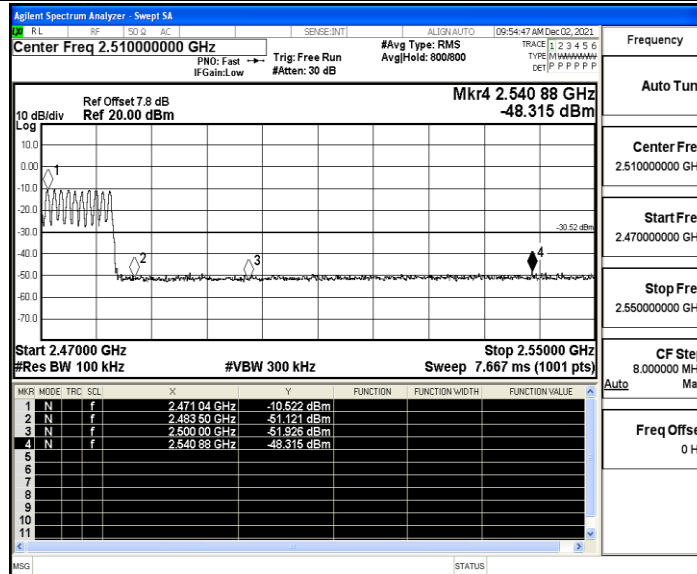
DH5_Ant_High_2480



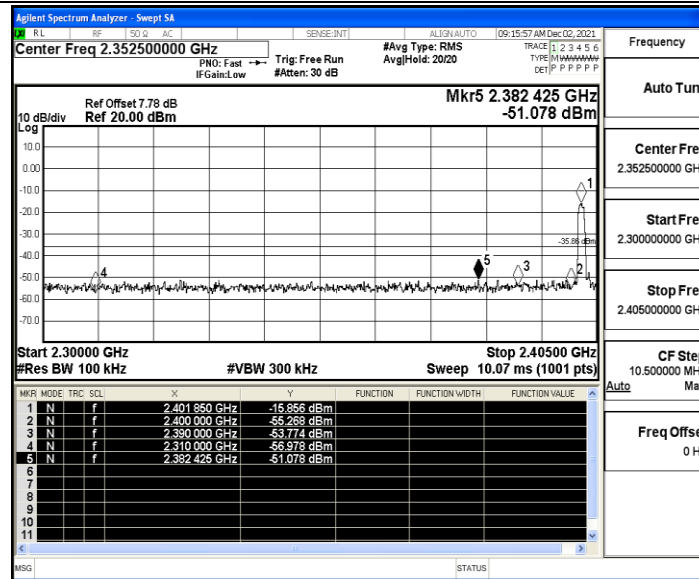
DH5_Ant_Low_Hop_2402



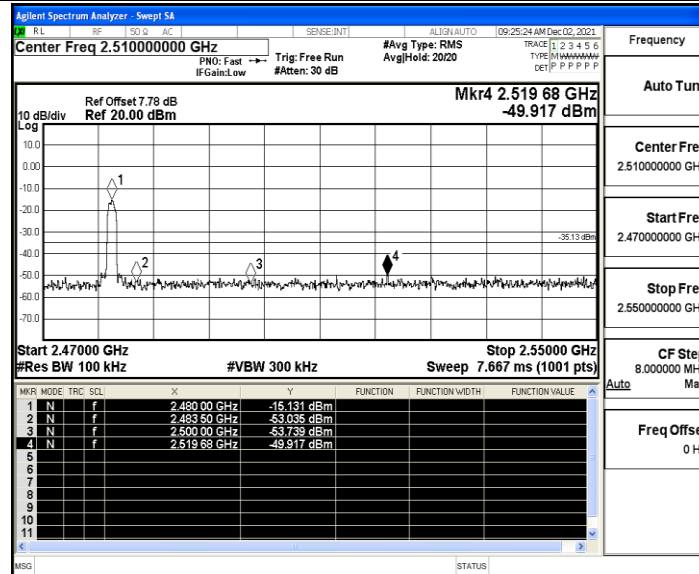
DH5_Ant_High_Hop_2480



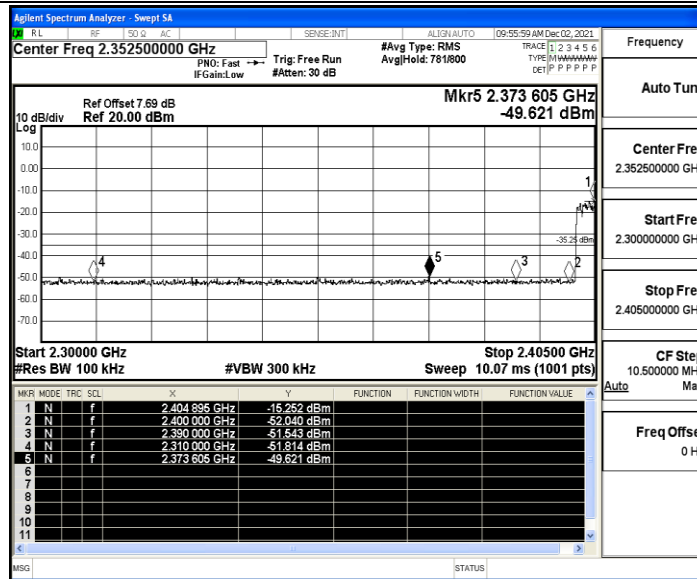
2DH5_Ant_Low_2402



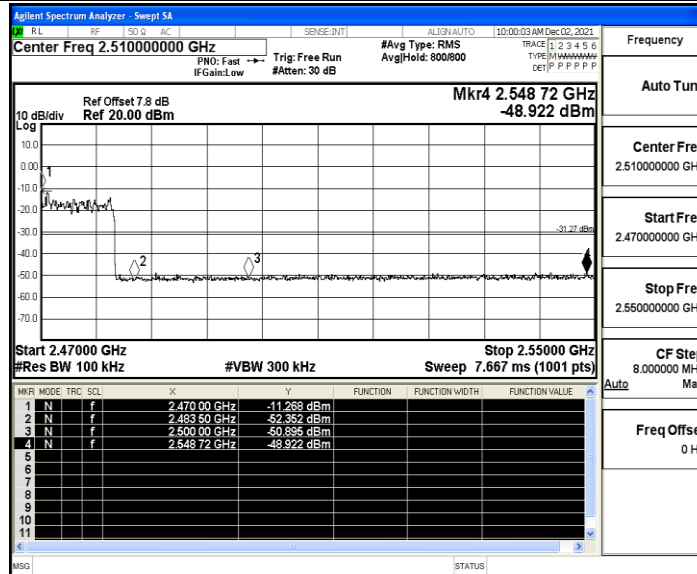
2DH5_Ant_High_2480



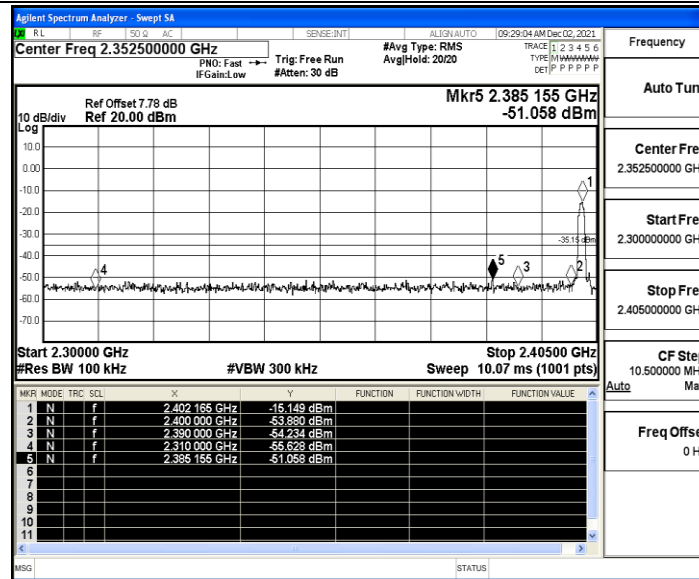
2DH5_Ant_Low_Hop_2402



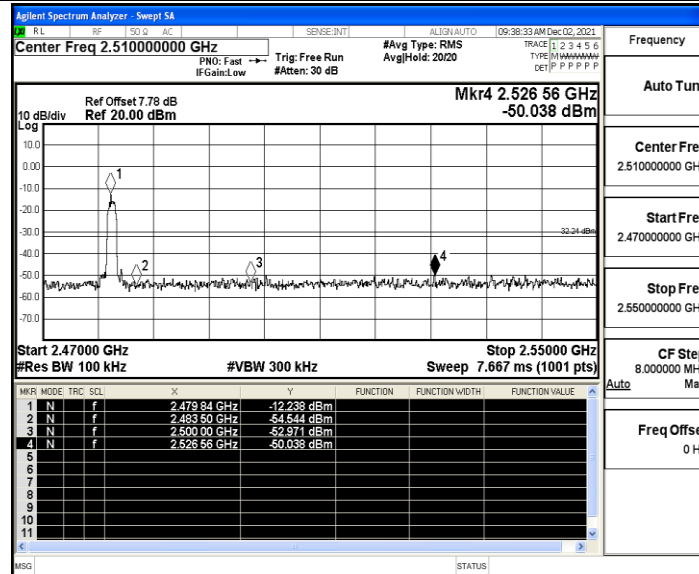
2DH5_Ant_High_Hop_2480



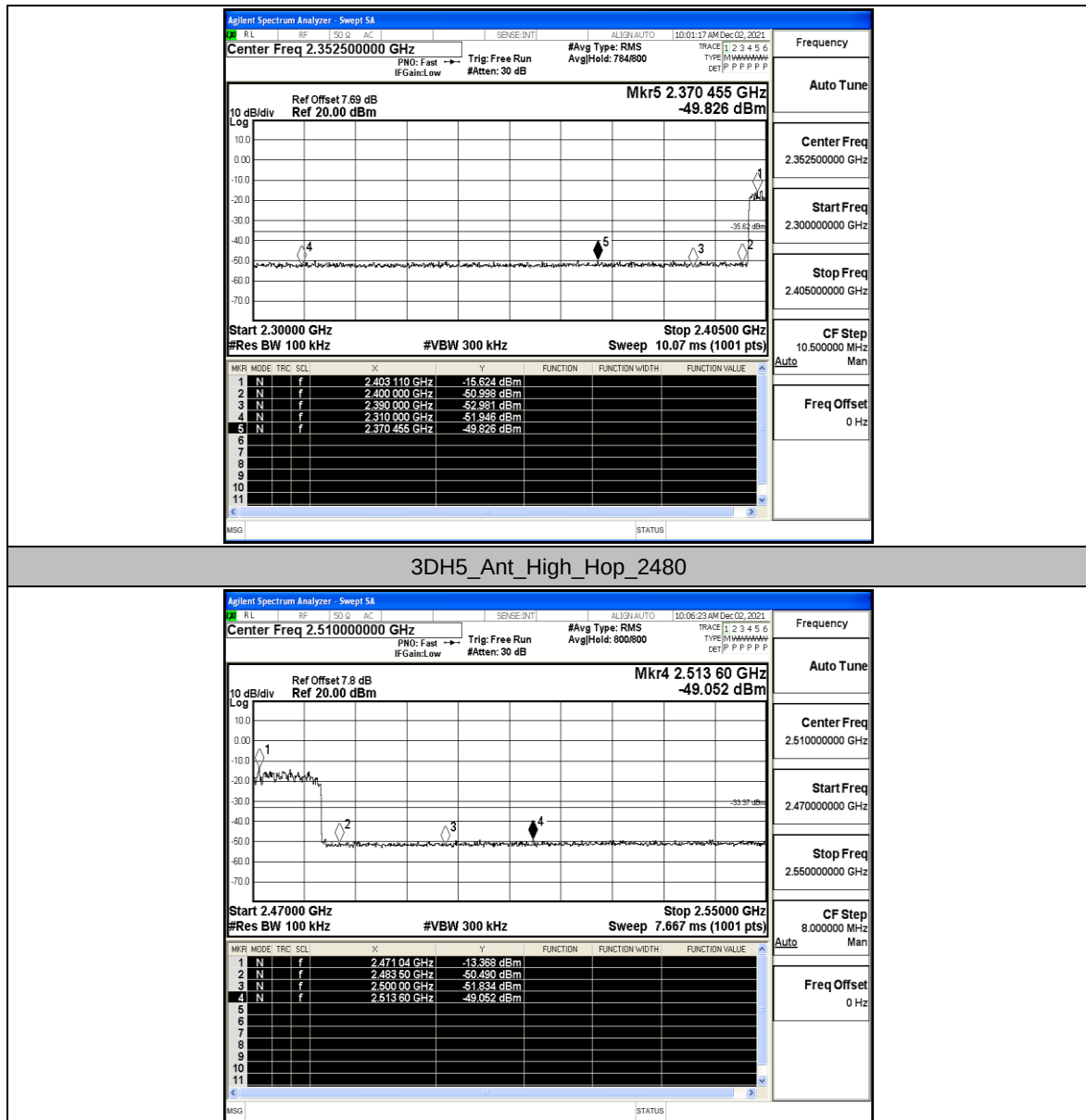
3DH5_Ant_Low_2402



3DH5_Ant_High_2480



3DH5_Ant_Low_Hop_2402





A.7 Conducted Spurious Emission

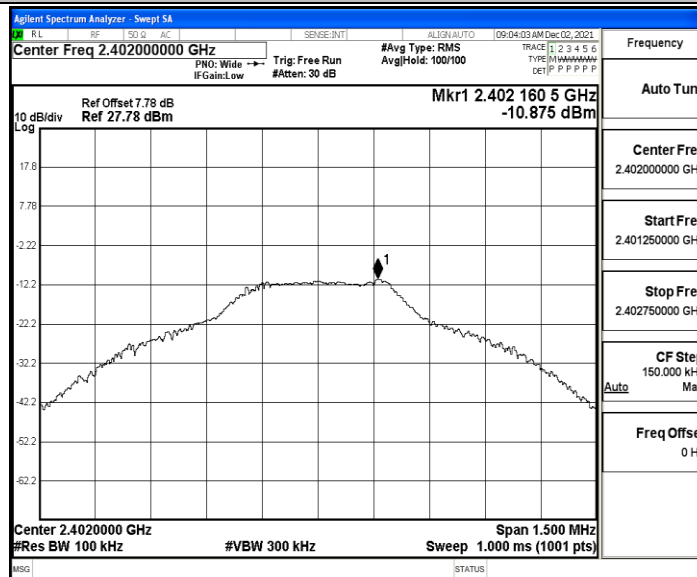
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant	2402	Reference	-10.88	-10.88	---	PASS
			30~1000	-10.88	-61.7	≤ -30.88	PASS
			1000~26500	-10.88	-47.58	≤ -30.88	PASS
		2441	Reference	-9.13	-9.13	---	PASS
			30~1000	-9.13	-61.81	≤ -29.13	PASS
			1000~26500	-9.13	-46.89	≤ -29.13	PASS
		2480	Reference	-10.86	-10.86	---	PASS
			30~1000	-10.86	-62.03	≤ -30.86	PASS
			1000~26500	-10.86	-47.02	≤ -30.86	PASS
2DH5	Ant	2402	Reference	-12.57	-12.57	---	PASS
			30~1000	-12.57	-61.97	≤ -32.57	PASS
			1000~26500	-12.57	-47.05	≤ -32.57	PASS
		2441	Reference	-13.83	-13.83	---	PASS
			30~1000	-13.83	-60.78	≤ -33.83	PASS
			1000~26500	-13.83	-46.74	≤ -33.83	PASS
		2480	Reference	-13.16	-13.16	---	PASS
			30~1000	-13.16	-61.06	≤ -33.16	PASS
			1000~26500	-13.16	-46.98	≤ -33.16	PASS
3DH5	Ant	2402	Reference	-12.61	-12.61	---	PASS
			30~1000	-12.61	-61.47	≤ -32.61	PASS
			1000~26500	-12.61	-47.73	≤ -32.61	PASS
		2441	Reference	-10.55	-10.55	---	PASS
			30~1000	-10.55	-55.78	≤ -30.55	PASS
			1000~26500	-10.55	-47.51	≤ -30.55	PASS
		2480	Reference	-11.90	-11.90	---	PASS
			30~1000	-11.90	-61.68	≤ -31.9	PASS
			1000~26500	-11.90	-47.17	≤ -31.9	PASS

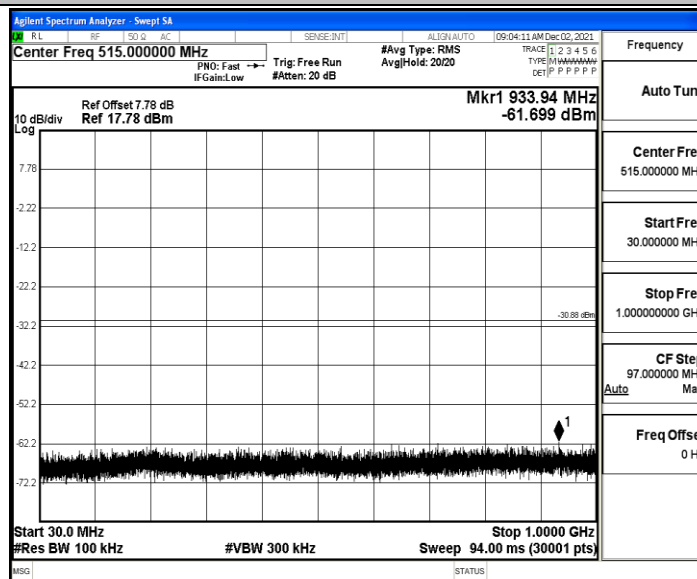


Test Graphs

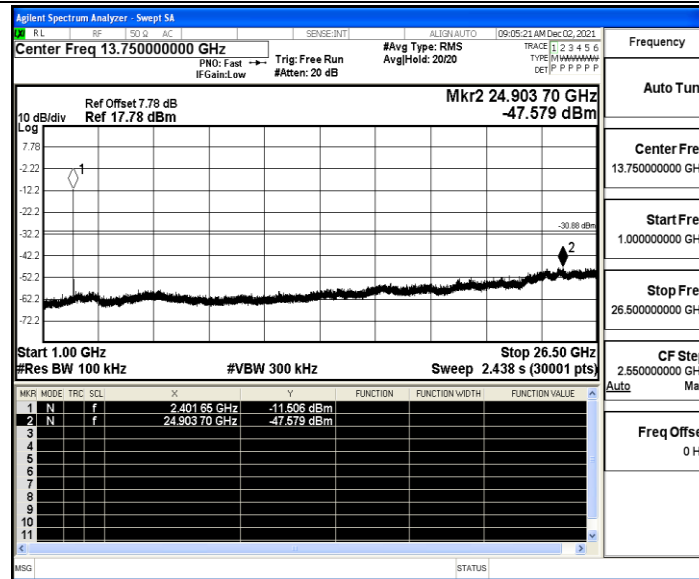
DH5_Ant_2402_0~Reference



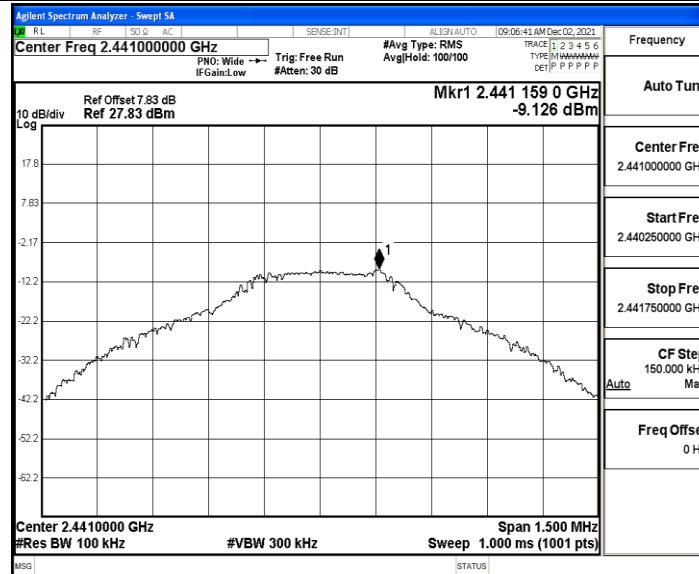
DH5_Ant_2402_30~1000



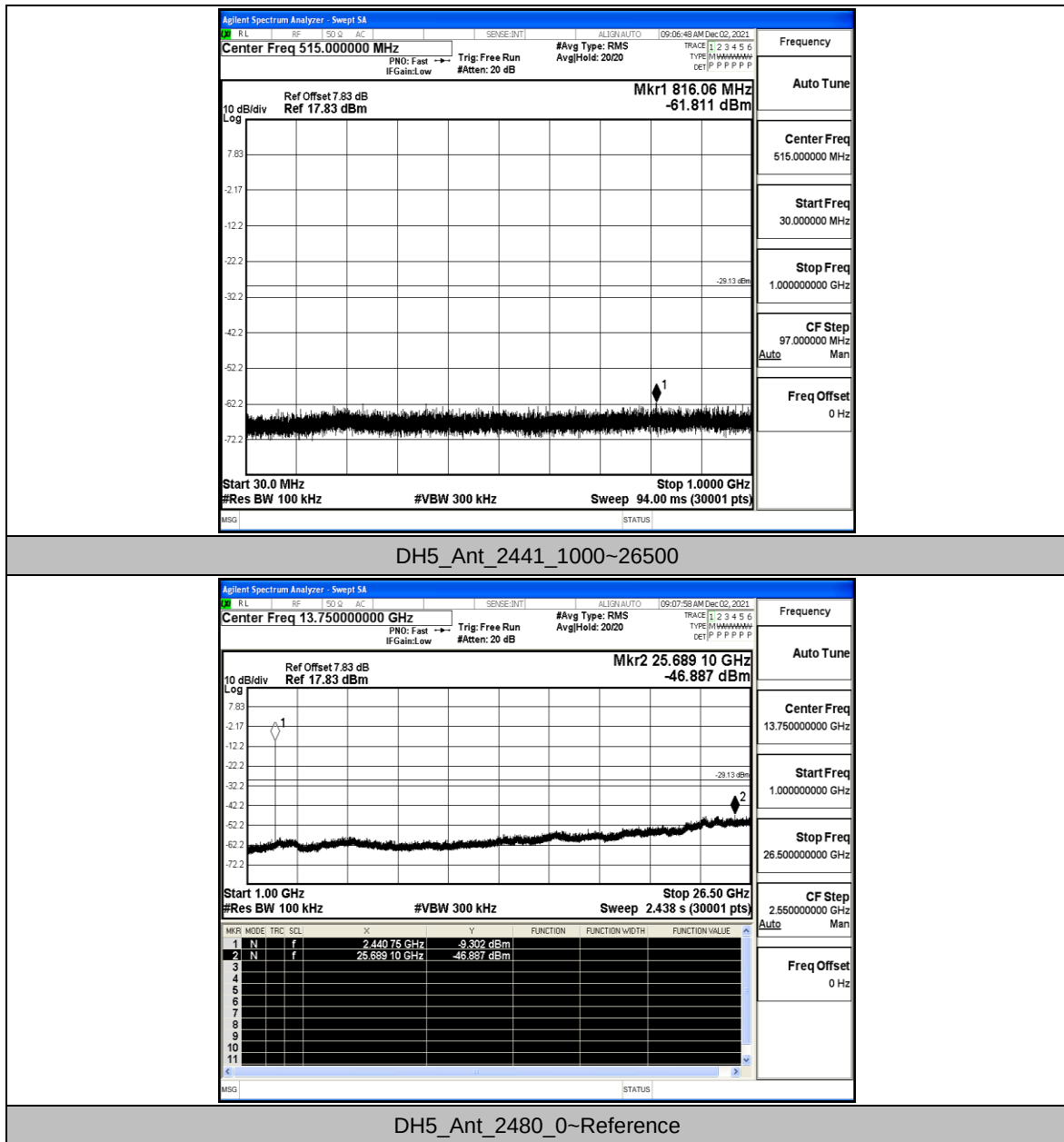
DH5_Ant_2402_1000~26500

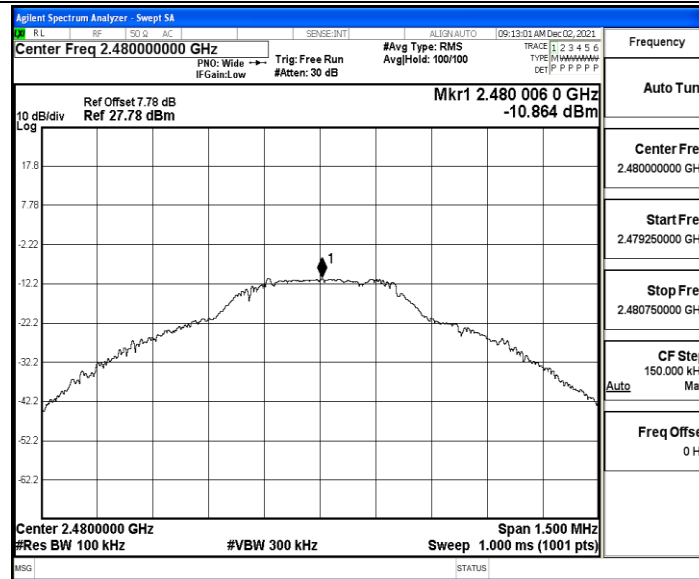


DH5_Ant_2441_0~Reference

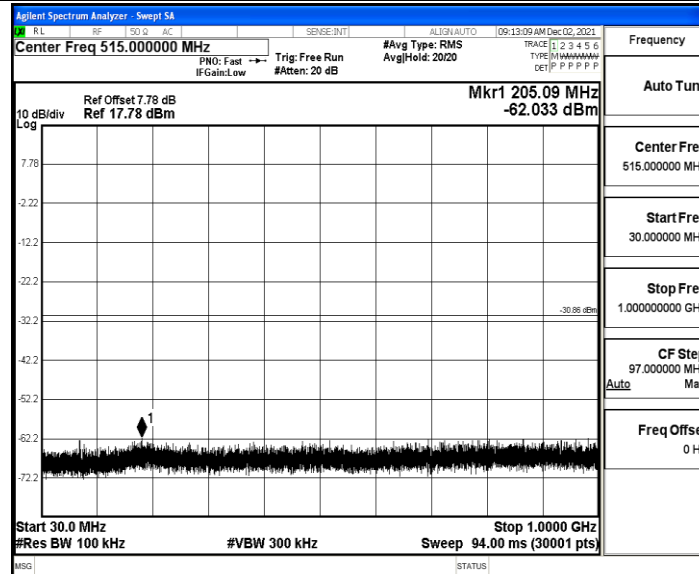


DH5_Ant_2441_30~1000

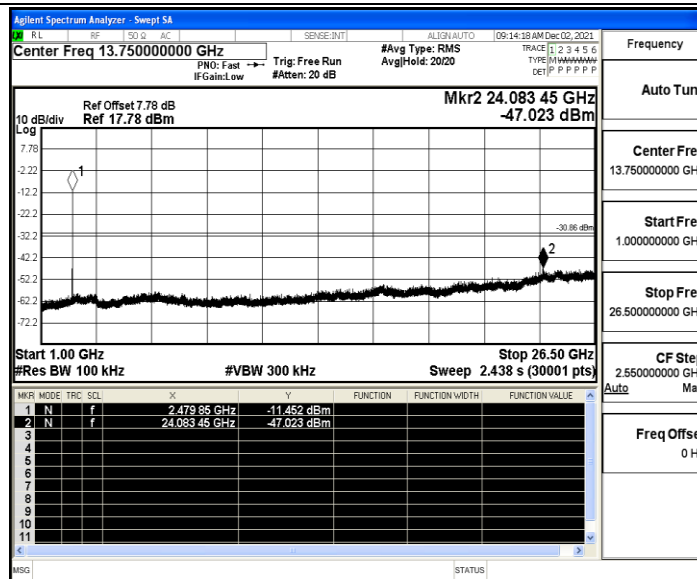




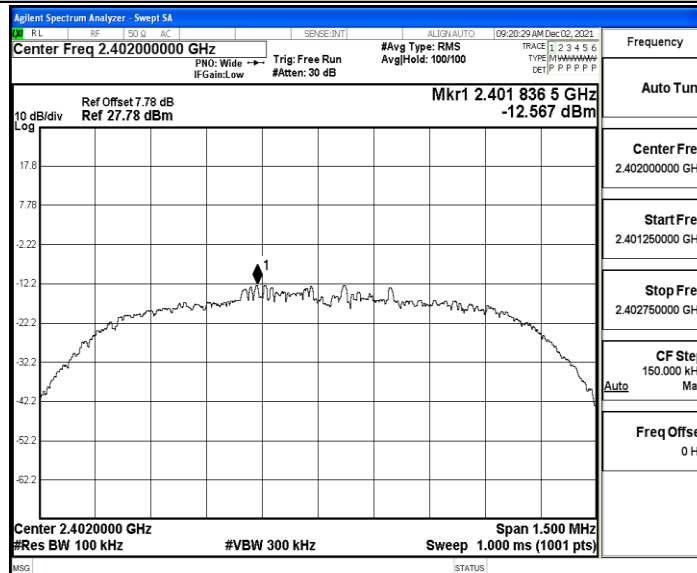
DH5_Ant_2480_30~1000



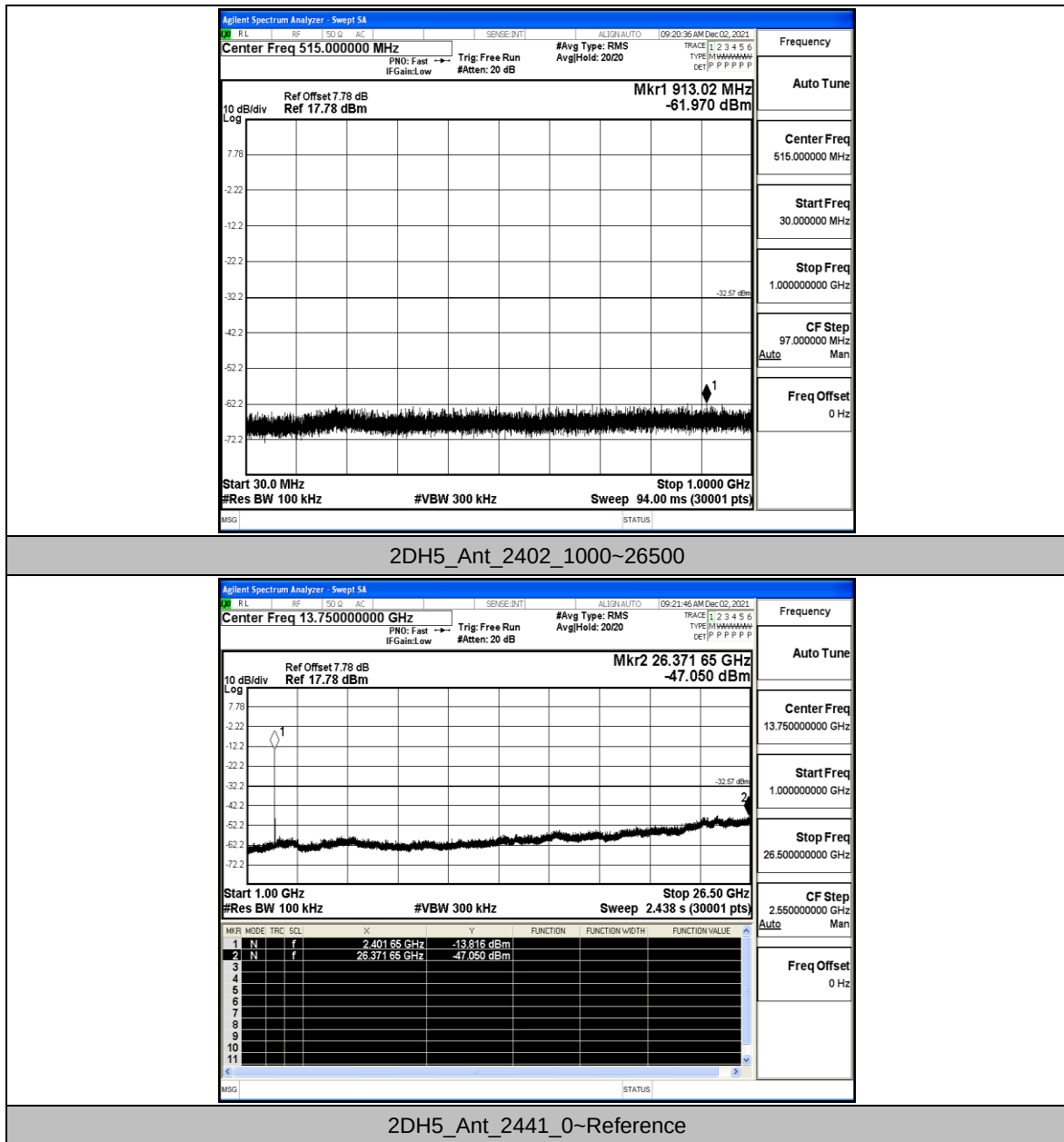
DH5_Ant_2480_1000~26500

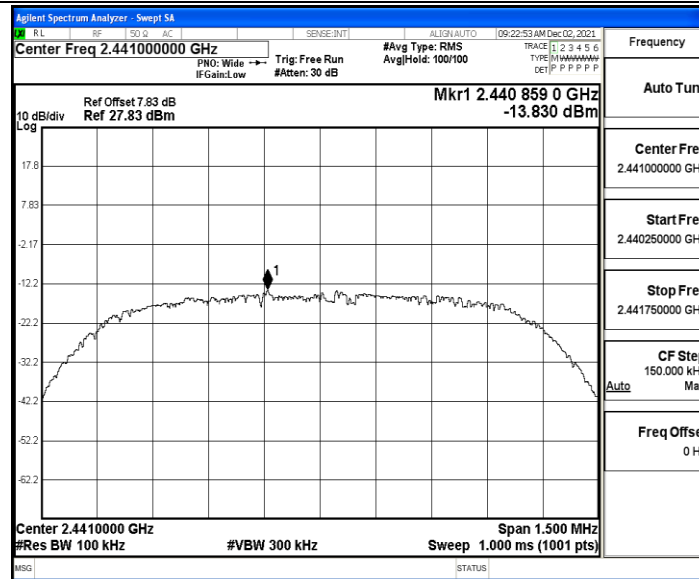


2DH5_Ant_2402_0~Reference

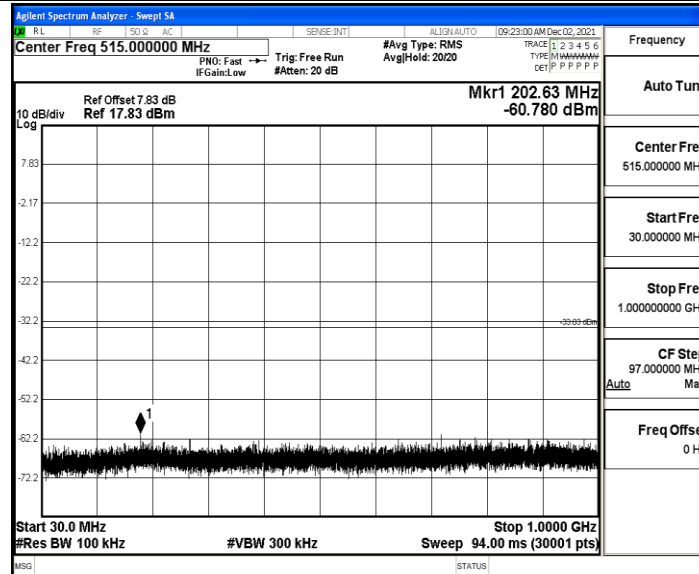


2DH5_Ant_2402_30~1000

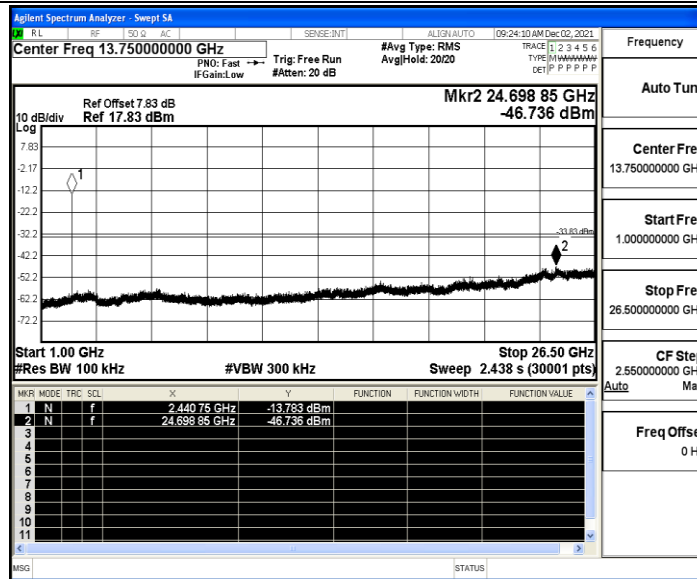




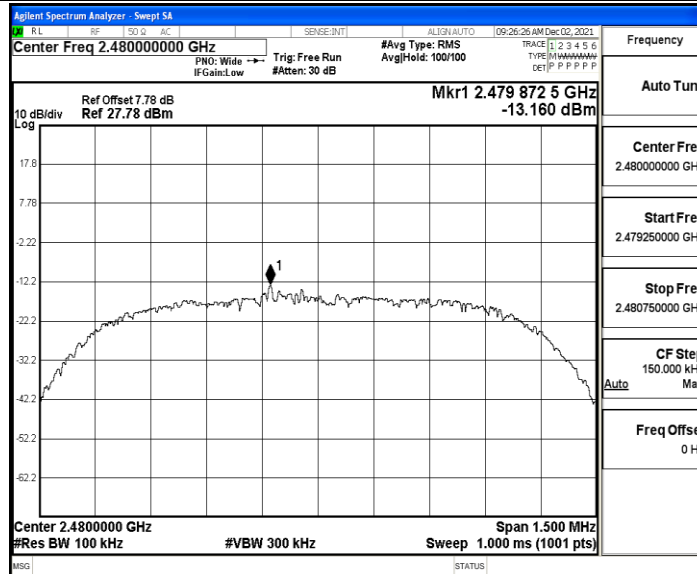
2DH5_Ant_2441_30~1000



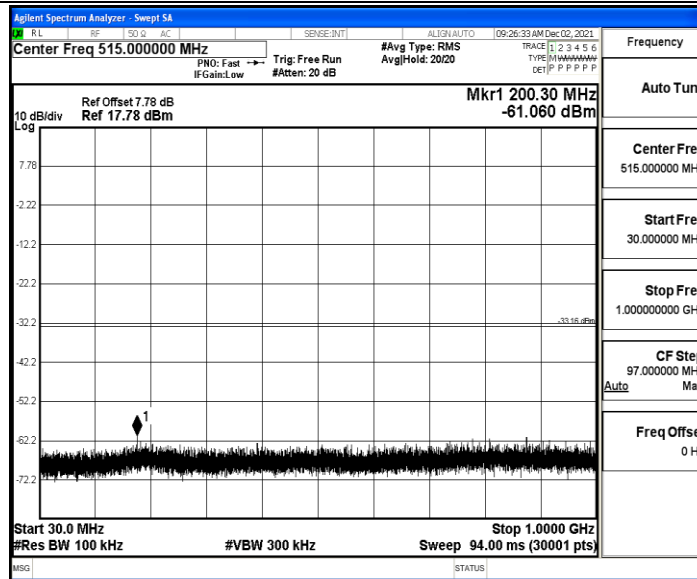
2DH5_Ant_2441_1000~26500



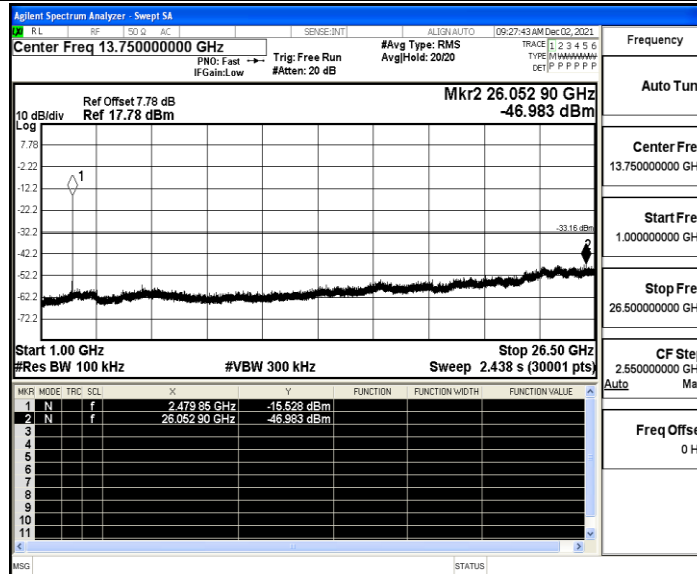
2DH5_Ant_2480_0~Reference



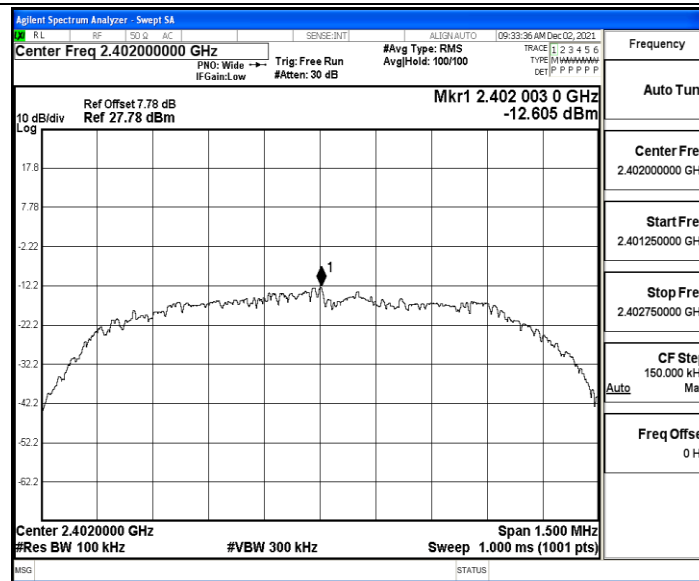
2DH5_Ant_2480_30~1000



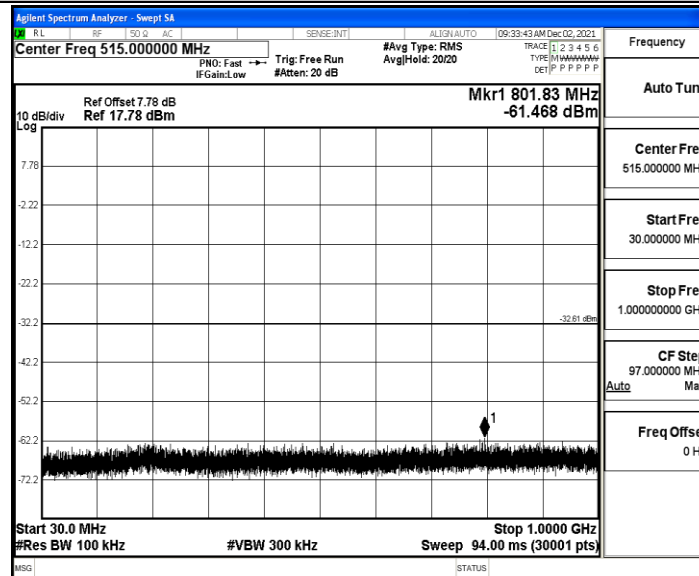
2DH5_Ant_2480_1000~26500



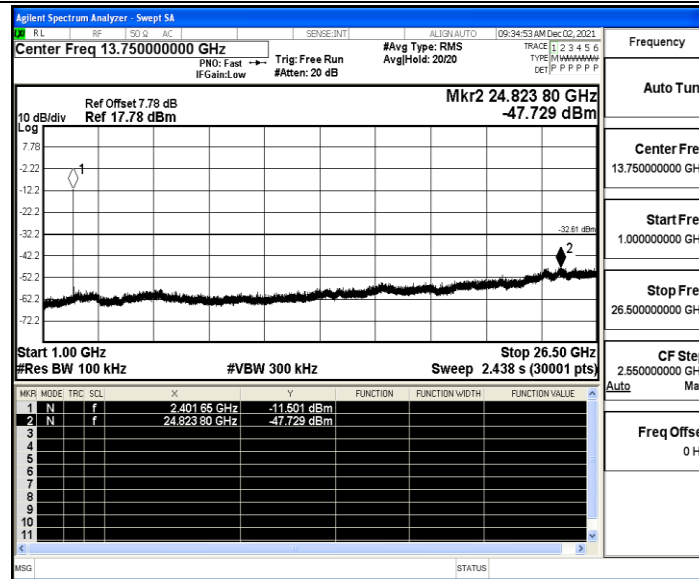
3DH5_Ant_2402_0~Reference



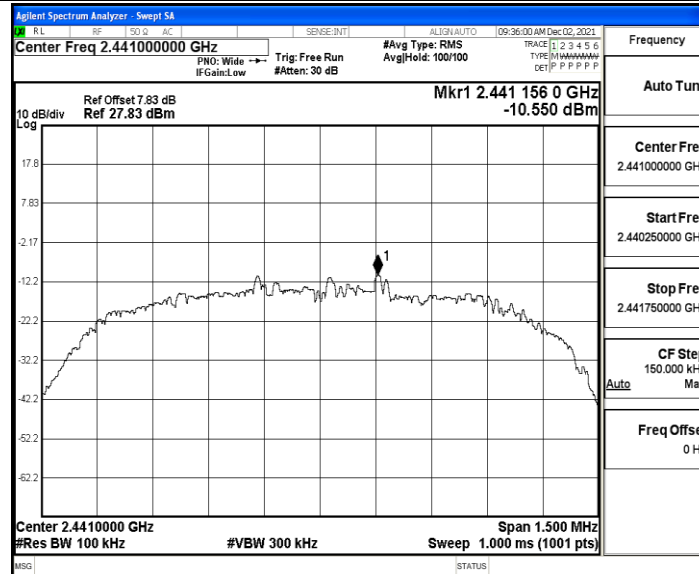
3DH5_Ant_2402_30~1000



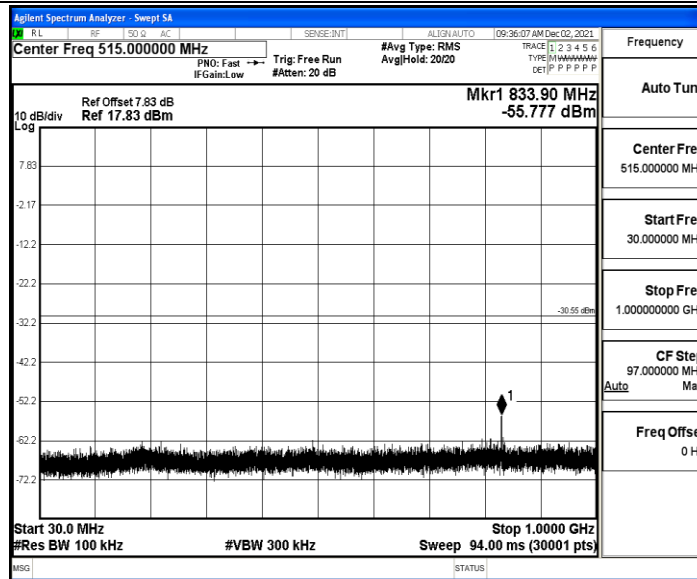
3DH5_Ant_2402_1000~26500



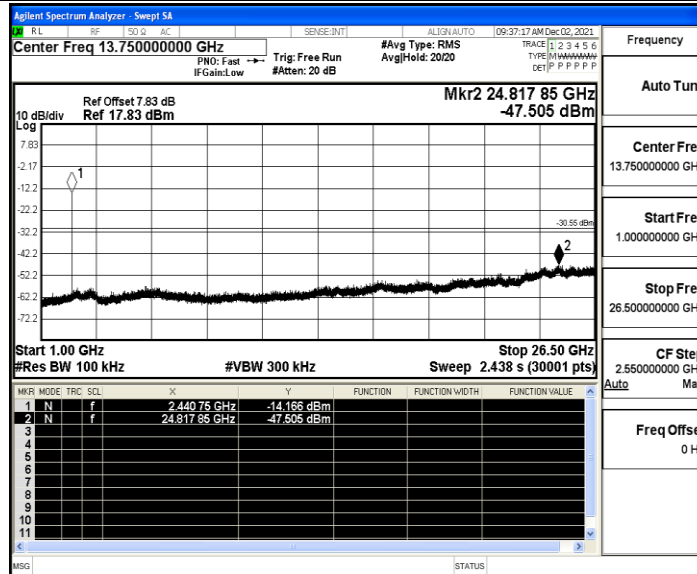
3DH5_Ant_2441_0~Reference



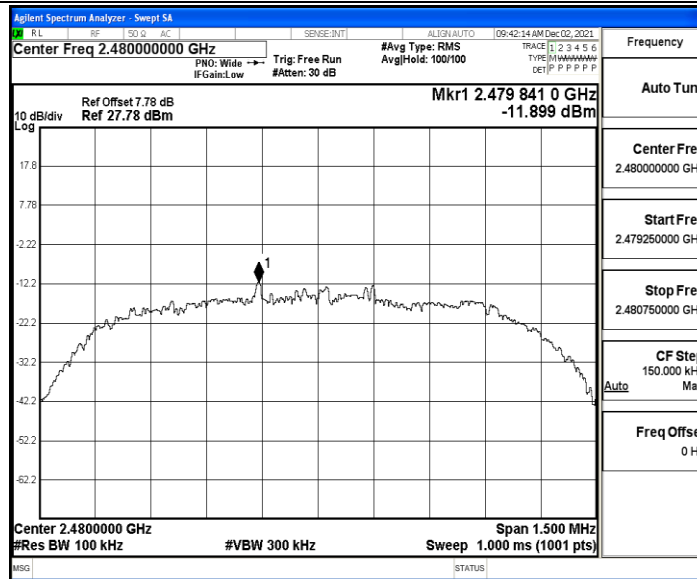
3DH5_Ant_2441_30~1000



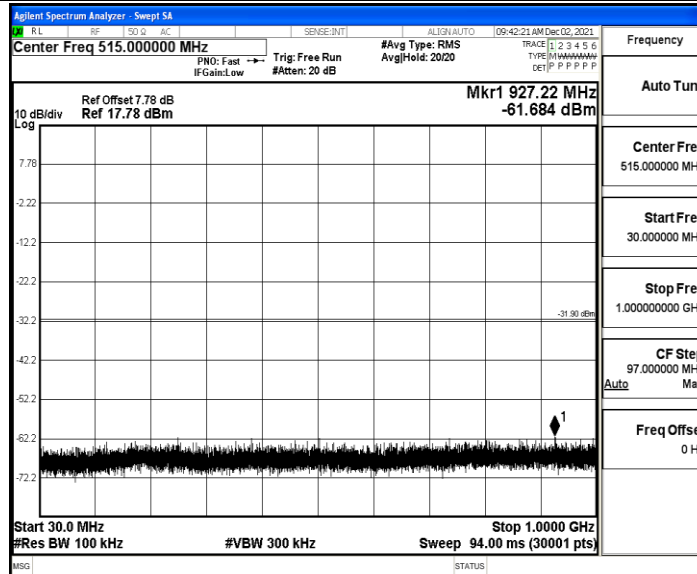
3DH5_Ant_2441_1000~26500



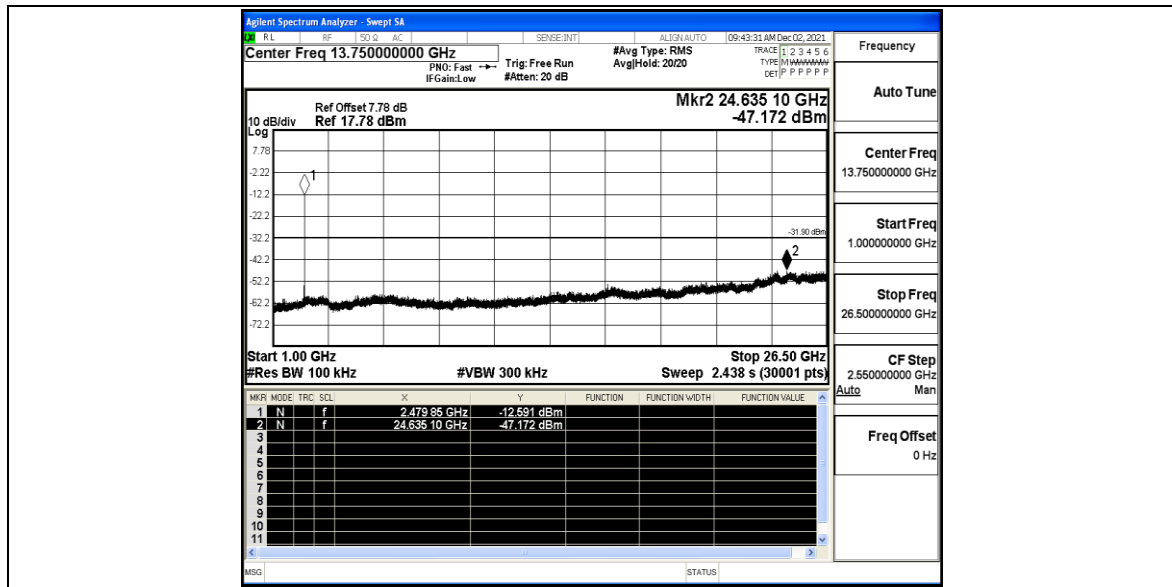
3DH5_Ant_2480_0~Reference



3DH5_Ant_2480_30~1000



3DH5_Ant_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	Ant	Low	2402	AV	2310.000	-49.65	≤-41.20	45.55	≤54	PASS
				AV	2389.460	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2390.000	-49.31	≤-41.20	45.89	≤54	PASS
				Peak	2310.000	-42.94	≤-21.20	52.26	≤74	PASS
				Peak	2389.460	-39.2	≤-21.20	56.00	≤74	PASS
				Peak	2390.000	-42.79	≤-21.20	52.41	≤74	PASS
		High	2480	AV	2483.500	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2499.840	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2500.000	-48.66	≤-41.20	46.54	≤54	PASS
				Peak	2483.500	-42.41	≤-21.20	52.79	≤74	PASS
				Peak	2494.000	-39.19	≤-21.20	56.01	≤74	PASS
				Peak	2500.000	-39.88	≤-21.20	55.32	≤74	PASS
2DH5	Ant	Low	2402	AV	2310.000	-49.62	≤-41.20	45.58	≤54	PASS
				AV	2387.990	-49.23	≤-41.20	45.97	≤54	PASS
				AV	2390.000	-49.24	≤-41.20	45.96	≤54	PASS
				Peak	2310.000	-41.05	≤-21.20	54.15	≤74	PASS
				Peak	2373.500	-39.69	≤-21.20	55.51	≤74	PASS
				Peak	2390.000	-42.3	≤-21.20	52.90	≤74	PASS
		High	2480	AV	2483.500	-46.44	≤-41.20	48.76	≤54	PASS
				AV	2493.920	-44.04	≤-41.20	51.16	≤54	PASS
				AV	2500.000	-45.42	≤-41.20	49.78	≤54	PASS
				Peak	2483.500	-44.55	≤-21.20	50.65	≤74	PASS
				Peak	2493.120	-39.97	≤-21.20	55.23	≤74	PASS
				Peak	2500.000	-42.68	≤-21.20	52.52	≤74	PASS
3DH5	Ant	Low	2402	AV	2310.000	-49.58	≤-41.20	45.62	≤54	PASS
				AV	2388.830	-49.2	≤-41.20	46.00	≤54	PASS
				AV	2390.000	-49.23	≤-41.20	45.97	≤54	PASS
				Peak	2310.000	-41.74	≤-21.20	53.46	≤74	PASS
				Peak	2322.260	-39.36	≤-21.20	55.84	≤74	PASS
				Peak	2390.000	-41.19	≤-21.20	54.01	≤74	PASS
		High	2480	AV	2483.500	-48.77	≤-41.20	46.43	≤54	PASS
				AV	2498.880	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2500.000	-48.58	≤-41.20	46.62	≤54	PASS
				Peak	2483.500	-40.88	≤-21.20	54.32	≤74	PASS
				Peak	2495.520	-39.63	≤-21.20	55.57	≤74	PASS
				Peak	2500.000	-41.97	≤-21.20	53.23	≤74	PASS

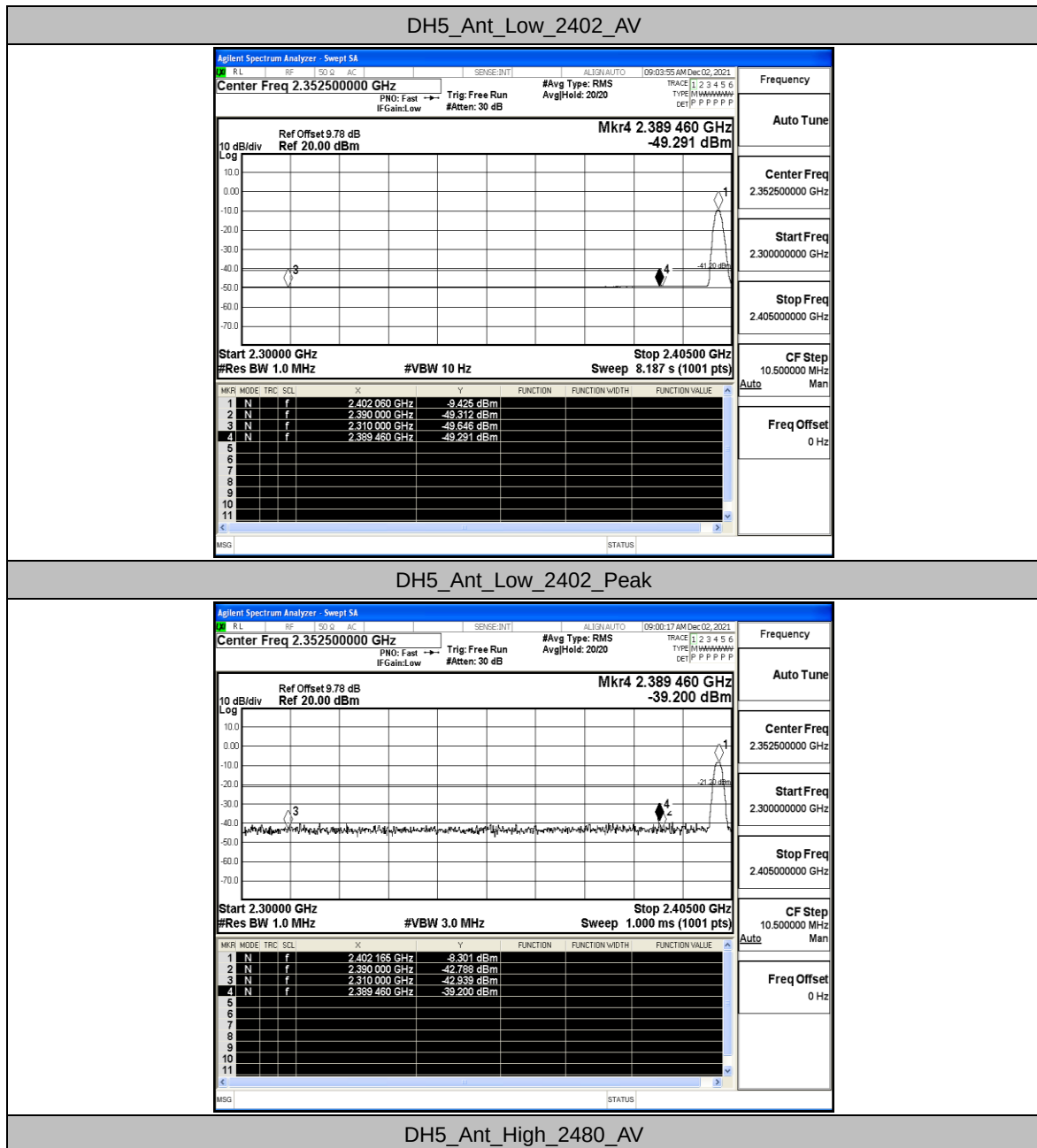


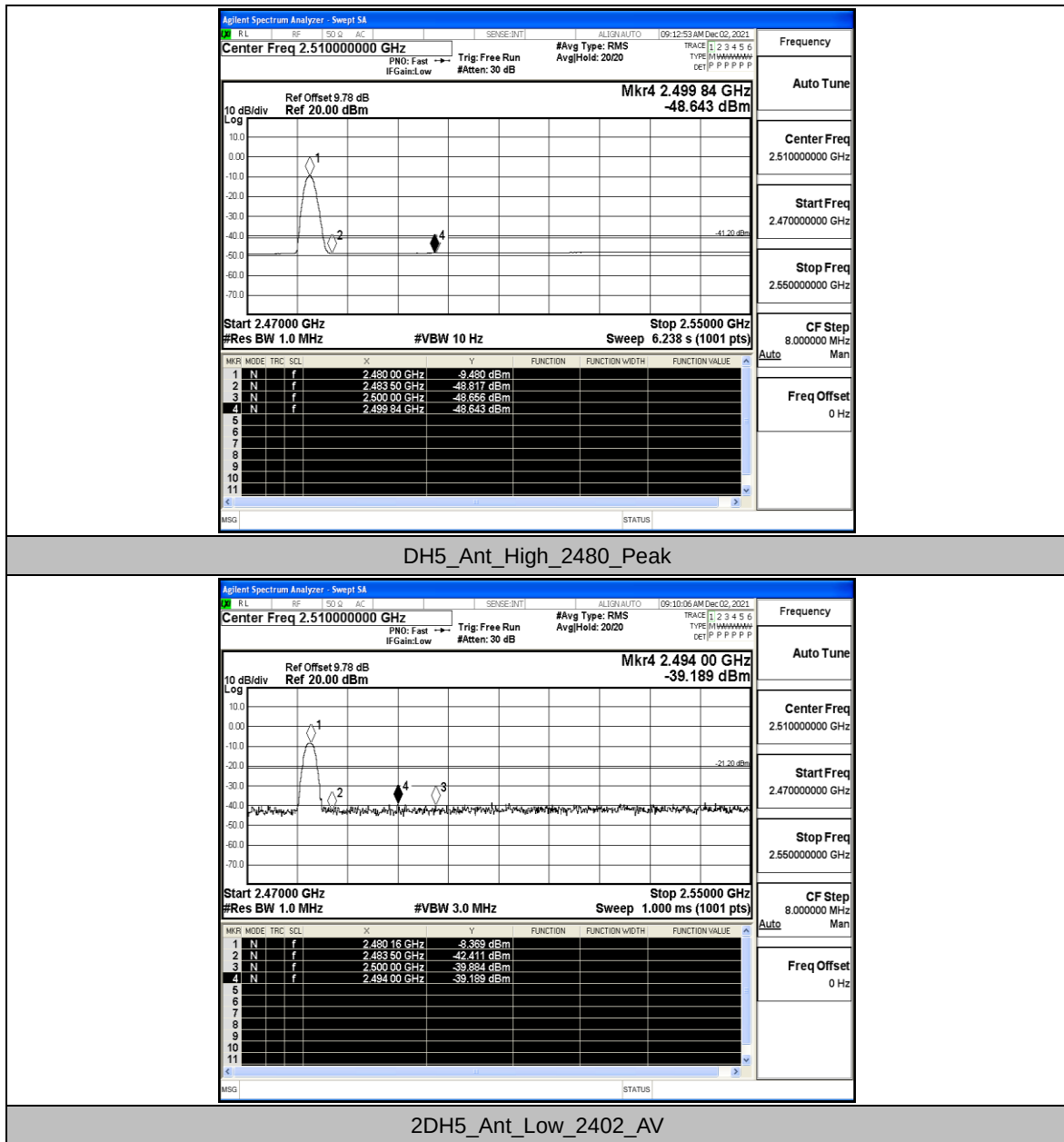
Note:

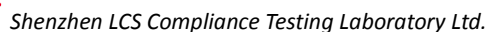
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



Test Graphs

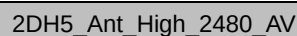


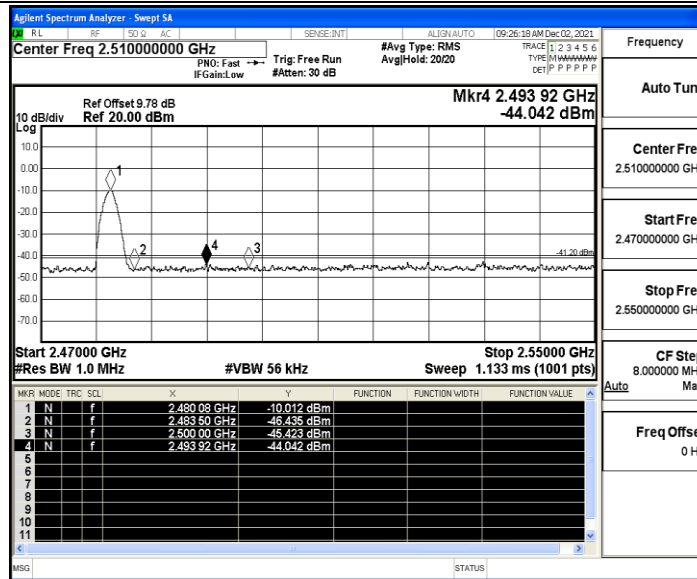




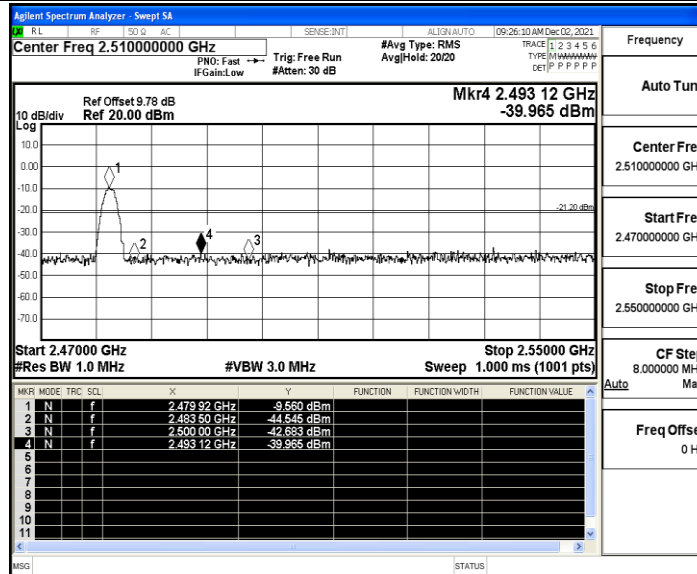
FCC ID: 2AYQN-BL1

Report No.: LCS211012126AEA

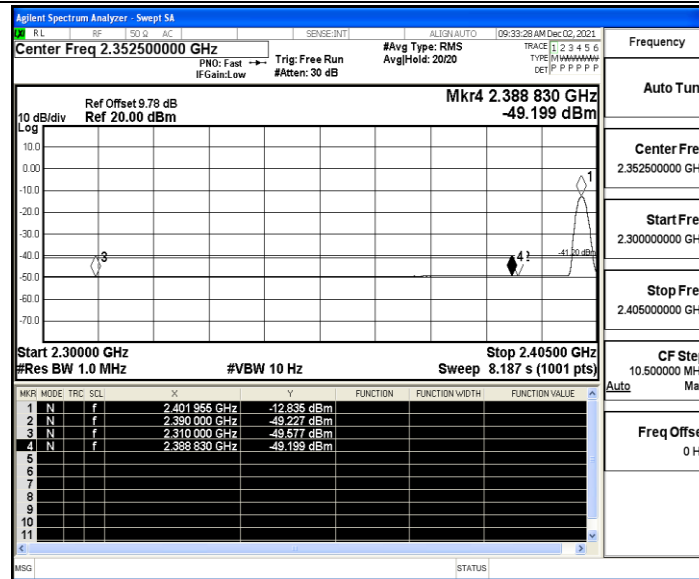




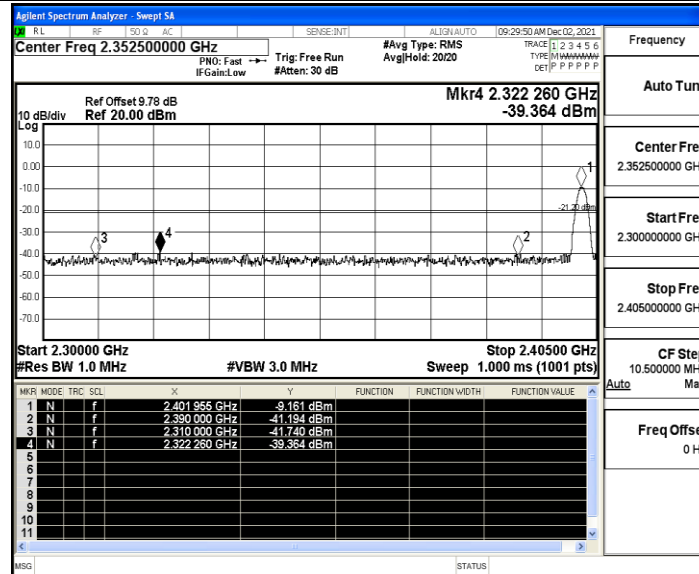
2DH5_Ant_High_2480_Peak



3DH5_Ant_Low_2402_AV



3DH5_Ant_Low_2402_Peak



3DH5_Ant_High_2480_AV

