



Appendix A

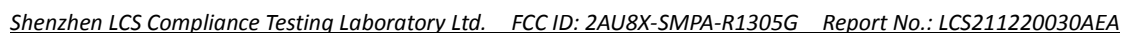
RF Test Data for BT (Conducted Measurement)

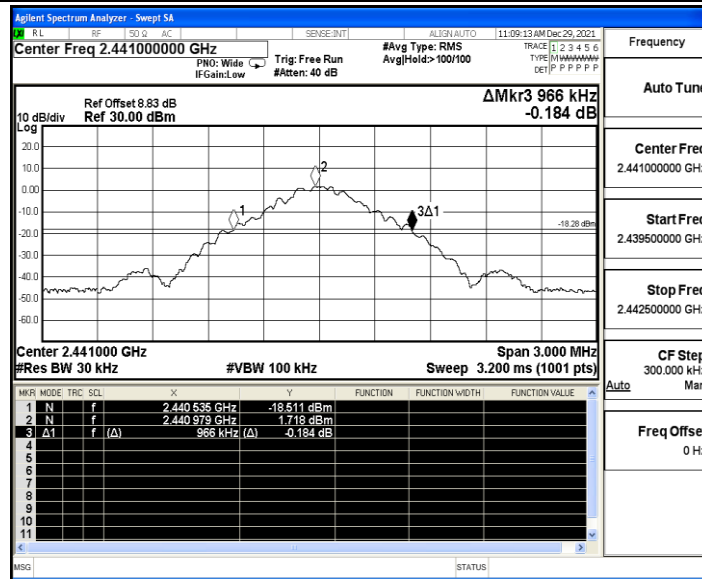
Product Name: AMD R1305G Player

Test Model: SMPA-R1305G

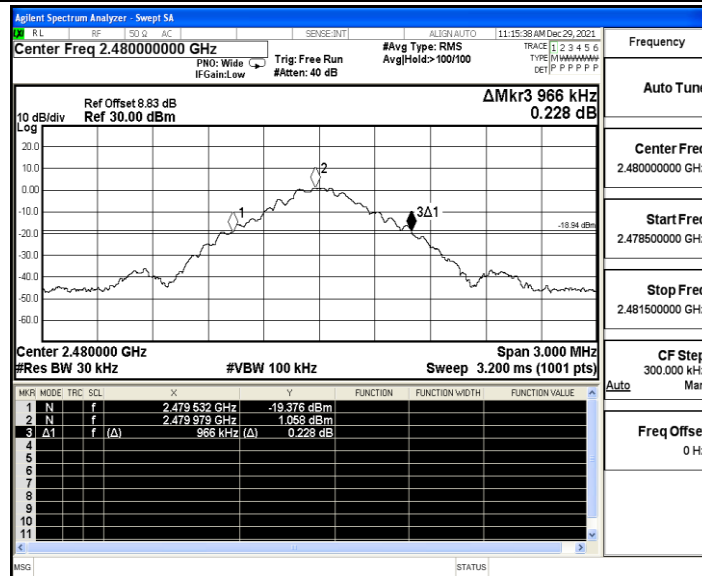
Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan

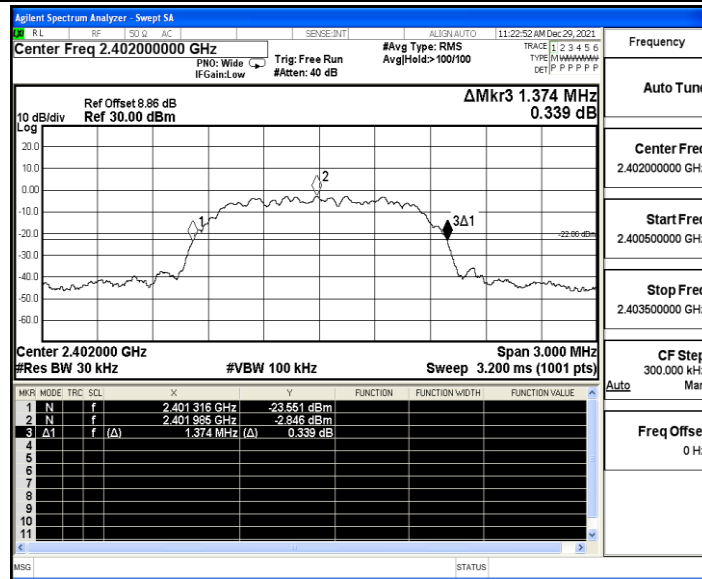




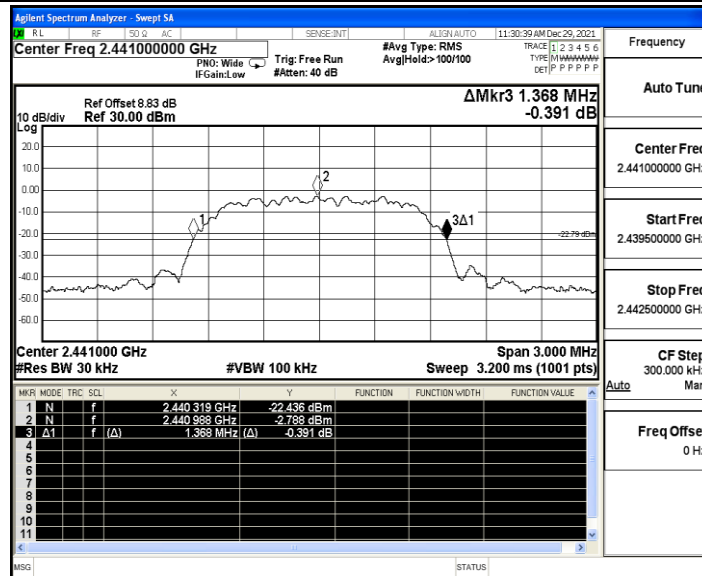
DH5_Ant1_2480



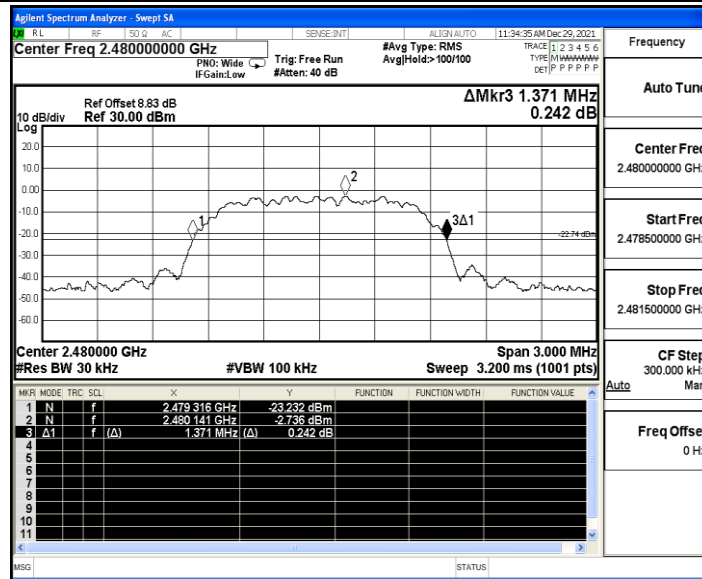
2DH5_Ant1_2402



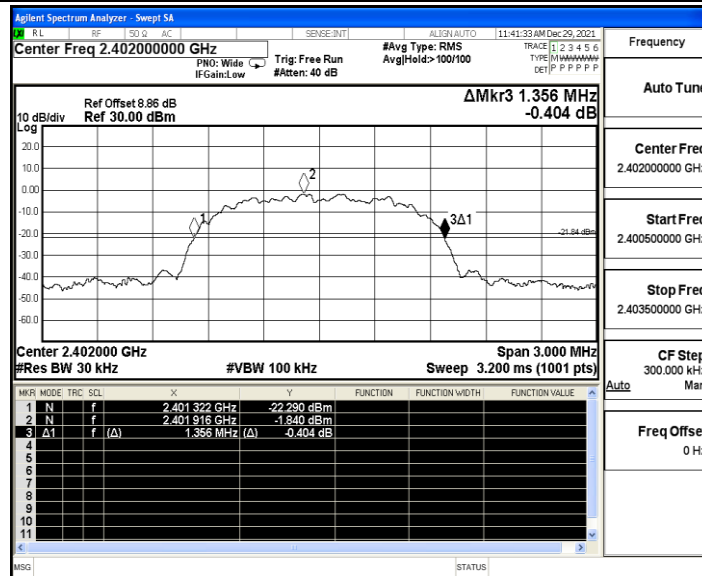
2DH5_Ant1_2441



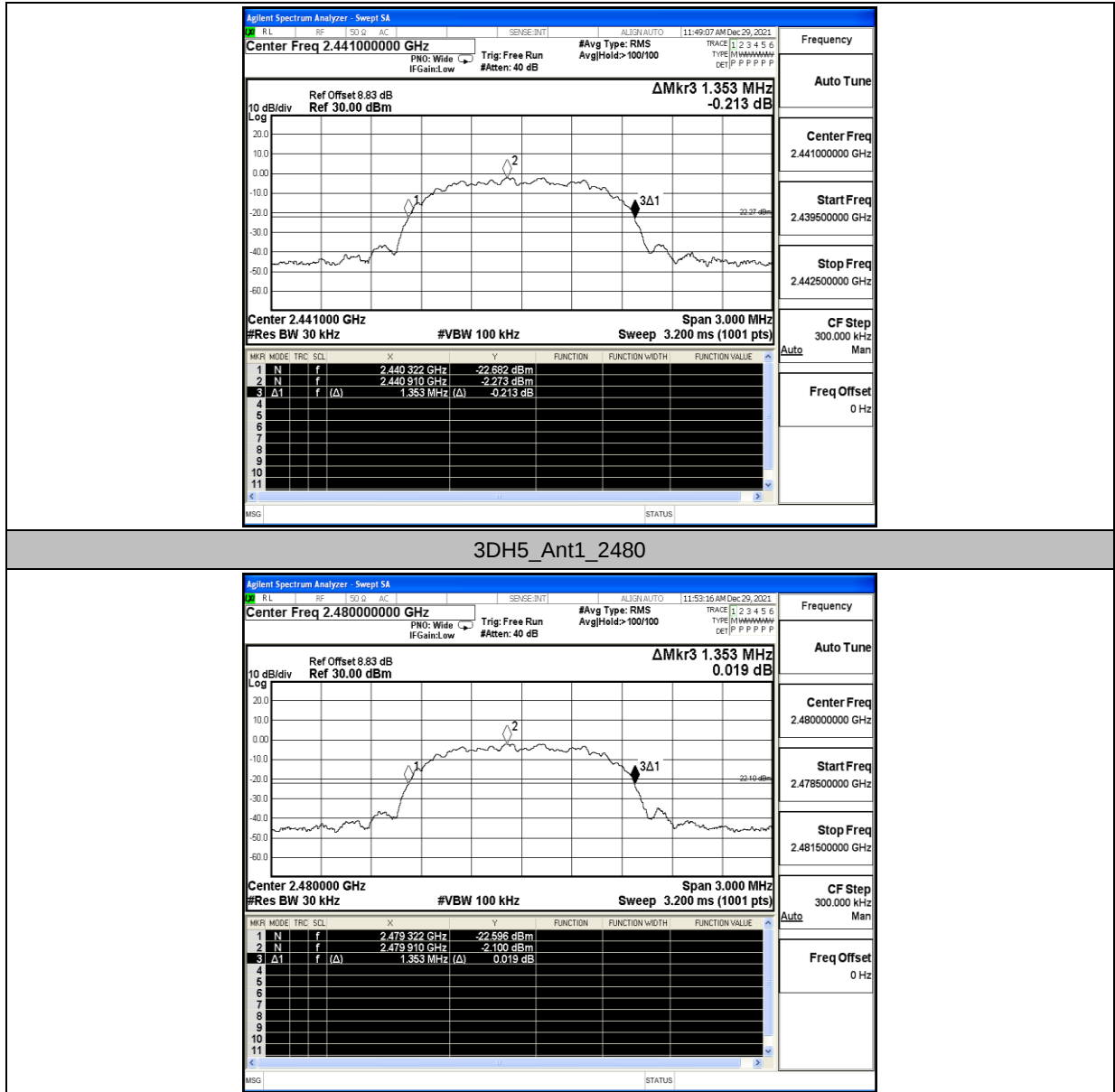
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



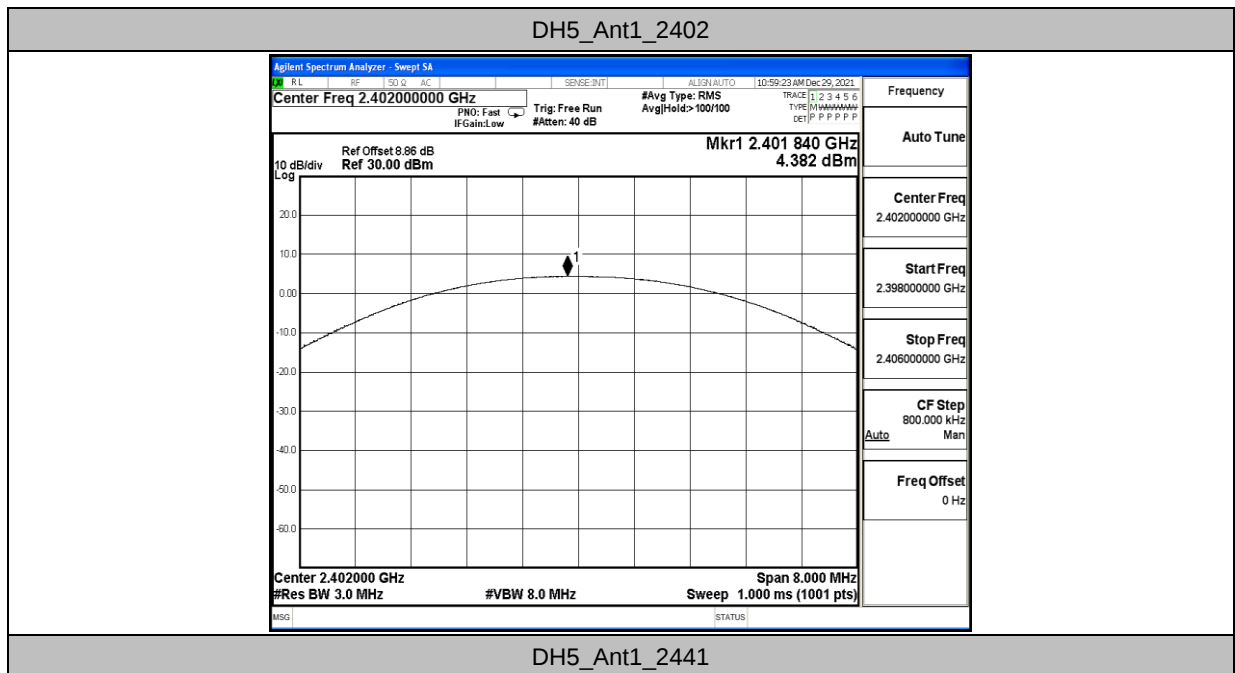


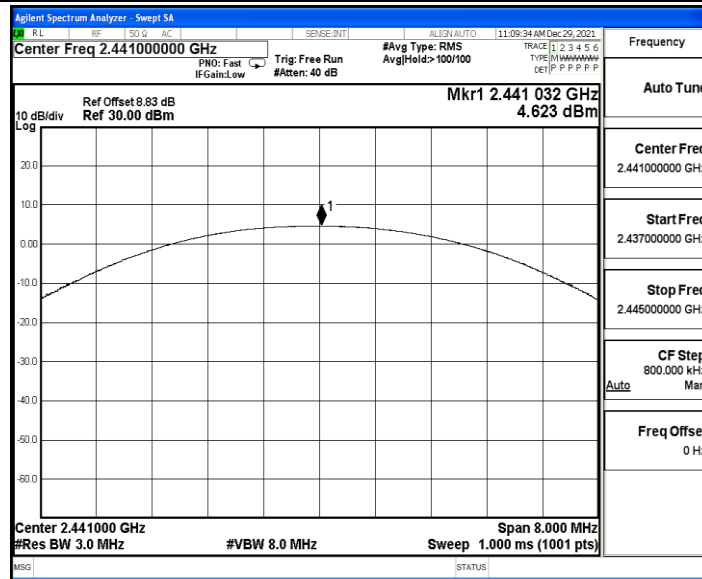
A.2 Maximum conducted output power

Test Result

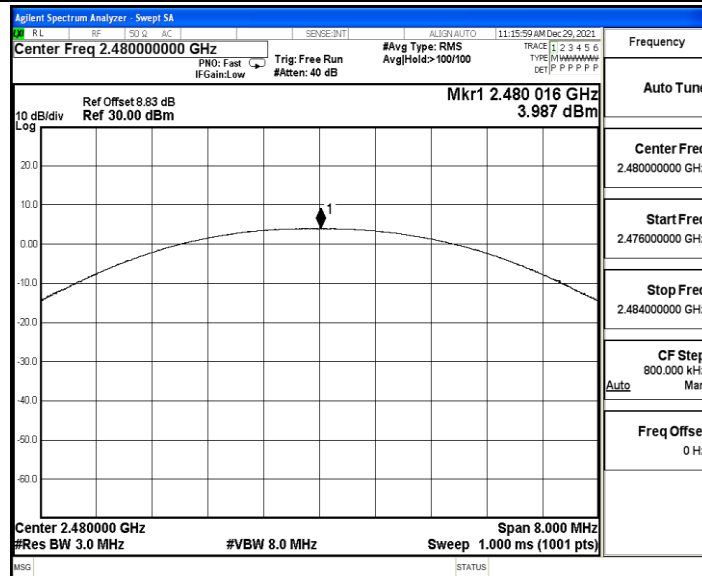
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.38	≤20.97	PASS
		2441	4.62	≤20.97	PASS
		2480	3.99	≤20.97	PASS
2DH5	Ant1	2402	6.08	≤20.97	PASS
		2441	6.24	≤20.97	PASS
		2480	6.37	≤20.97	PASS
3DH5	Ant1	2402	6.9	≤20.97	PASS
		2441	6.8	≤20.97	PASS
		2480	6.88	≤20.97	PASS

Test Graphs

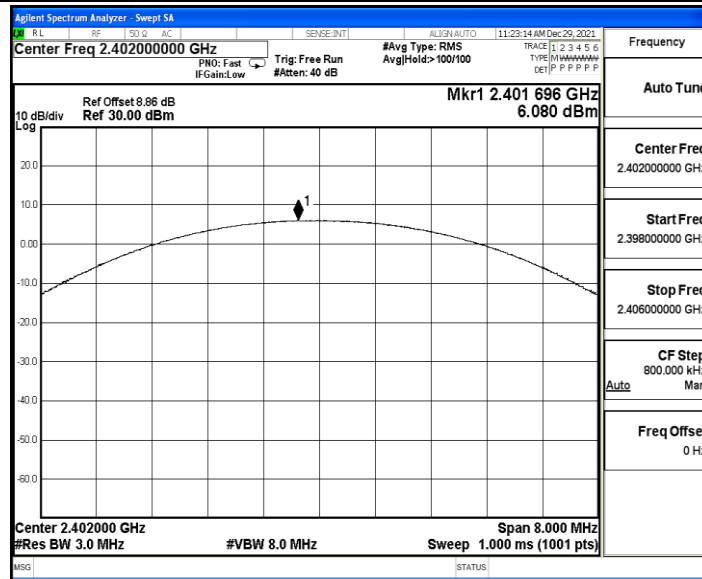




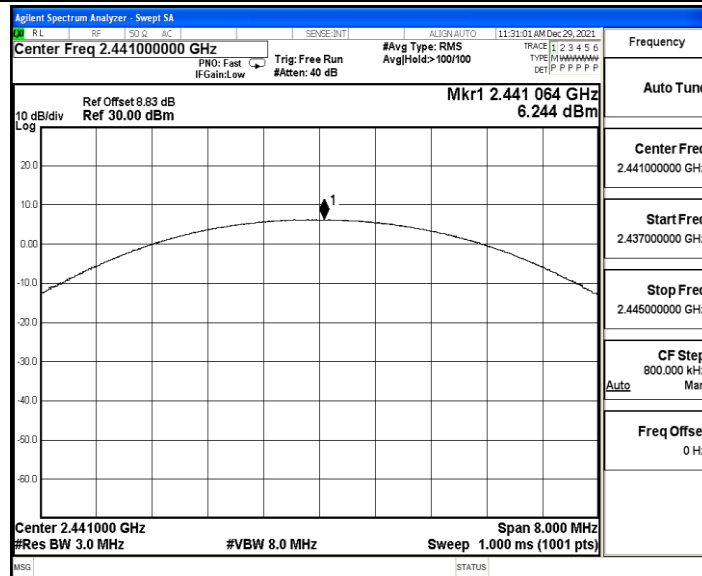
DH5_Ant1_2480



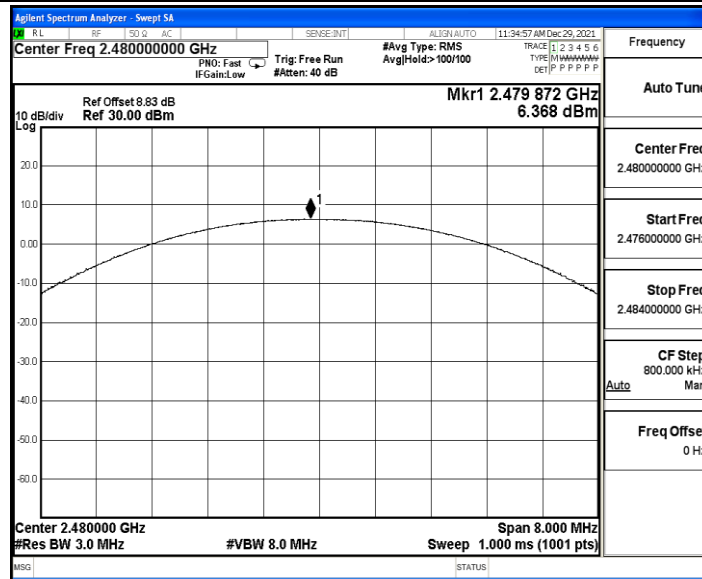
2DH5_Ant1_2402



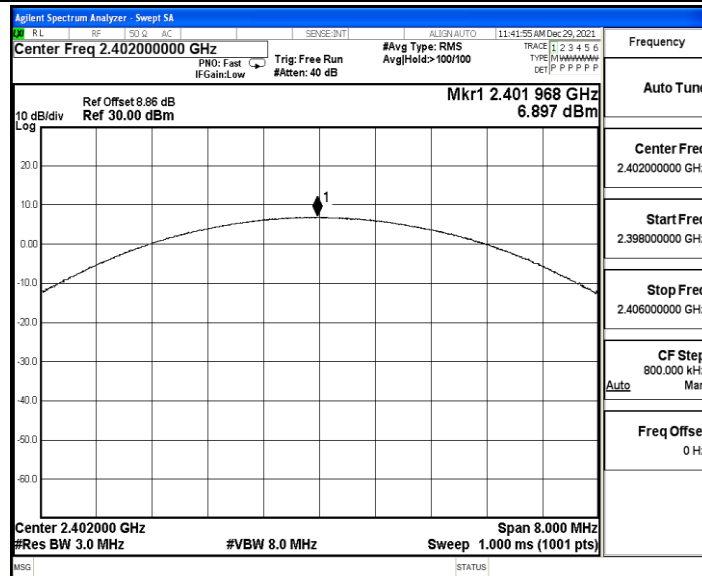
2DH5_Ant1_2441



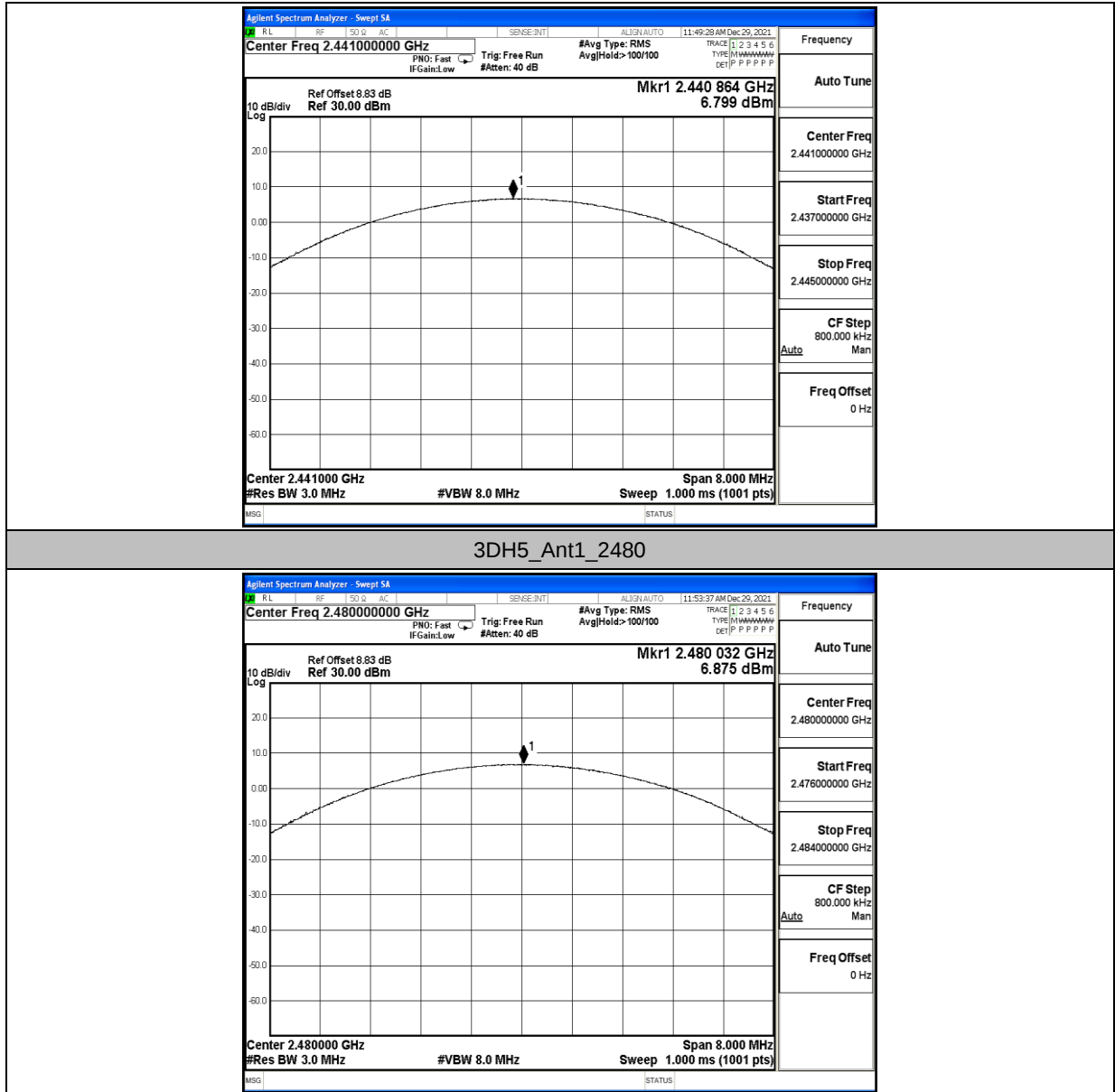
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



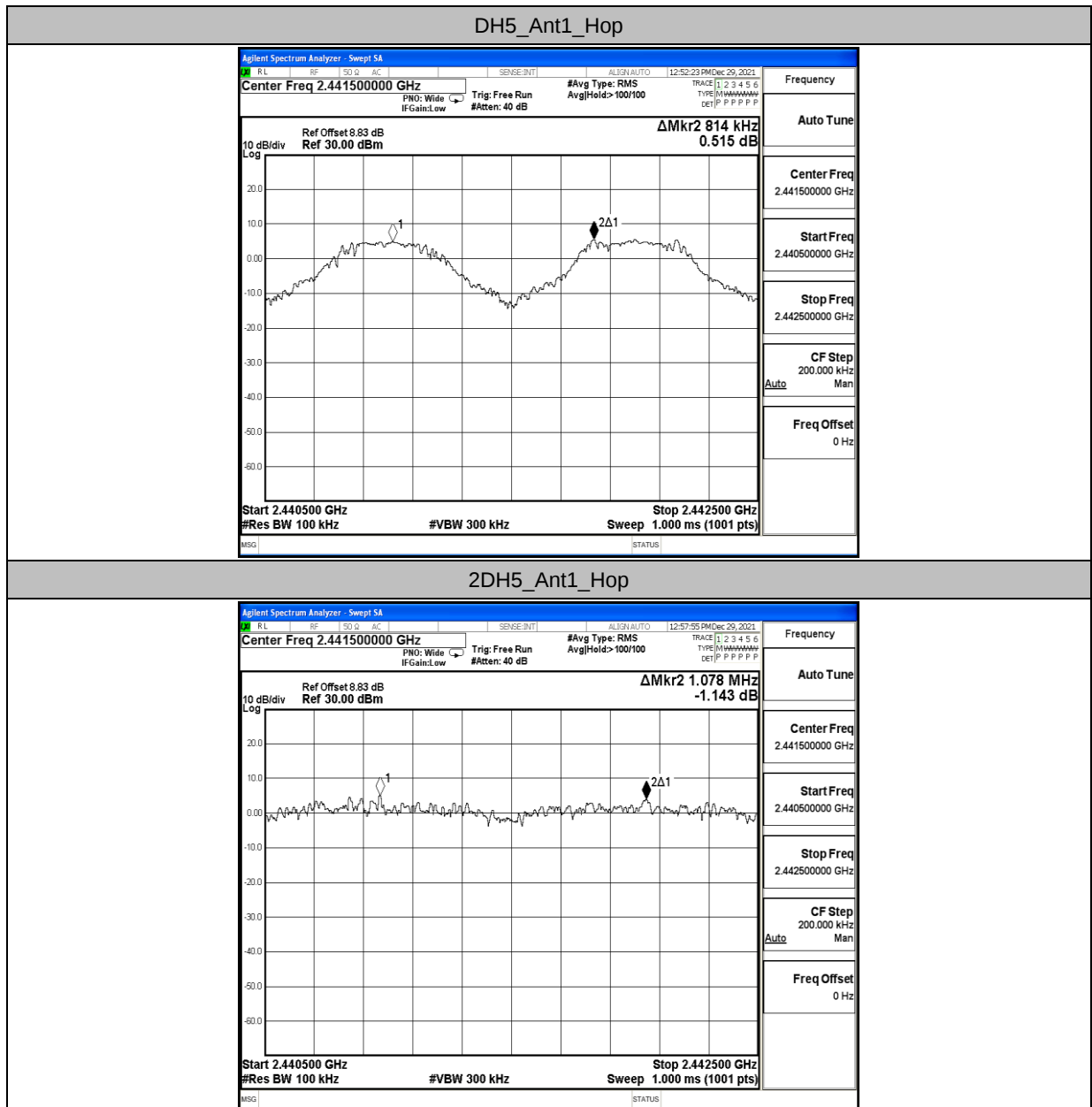


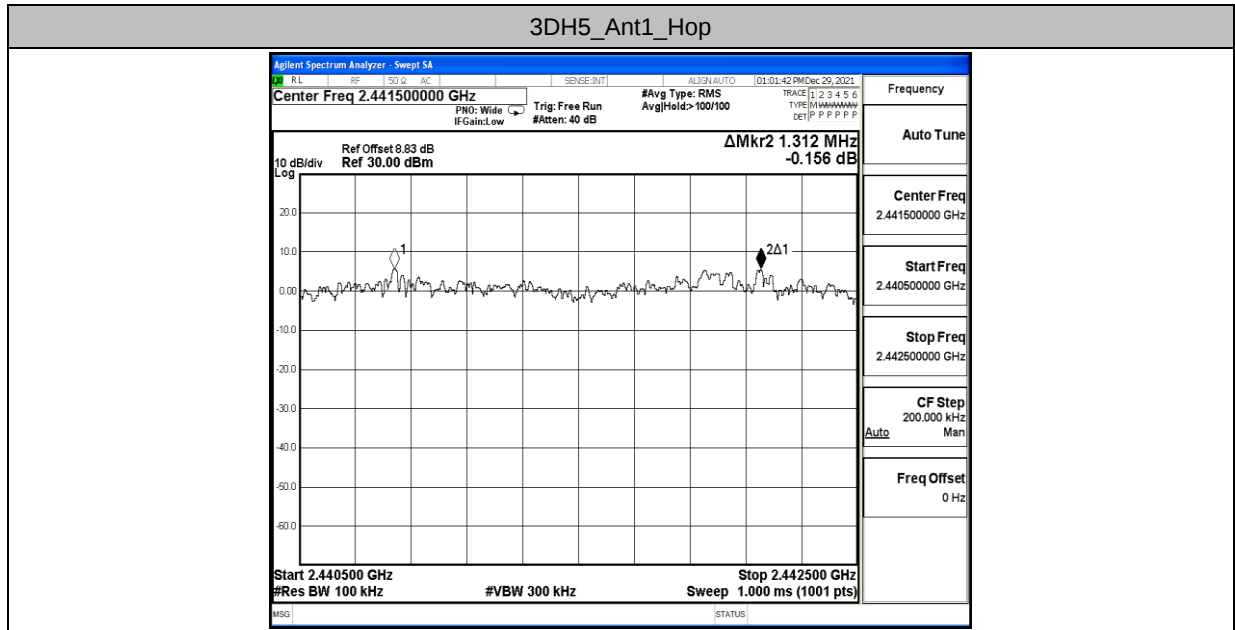
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.814	≥ 0.644	PASS
2DH5	Ant1	Hop	1.078	≥ 0.916	PASS
3DH5	Ant1	Hop	1.312	≥ 0.904	PASS

Test Graphs





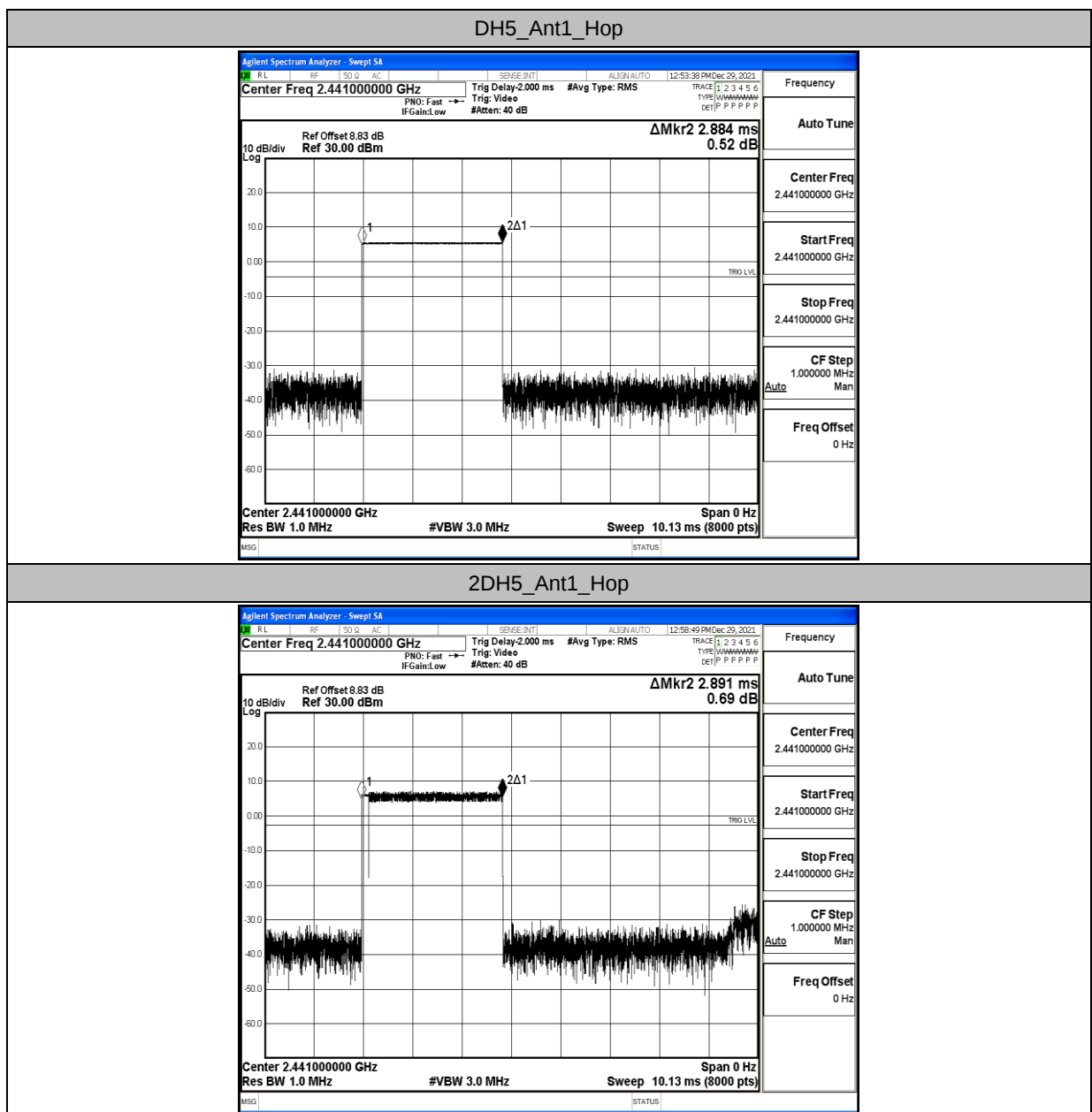


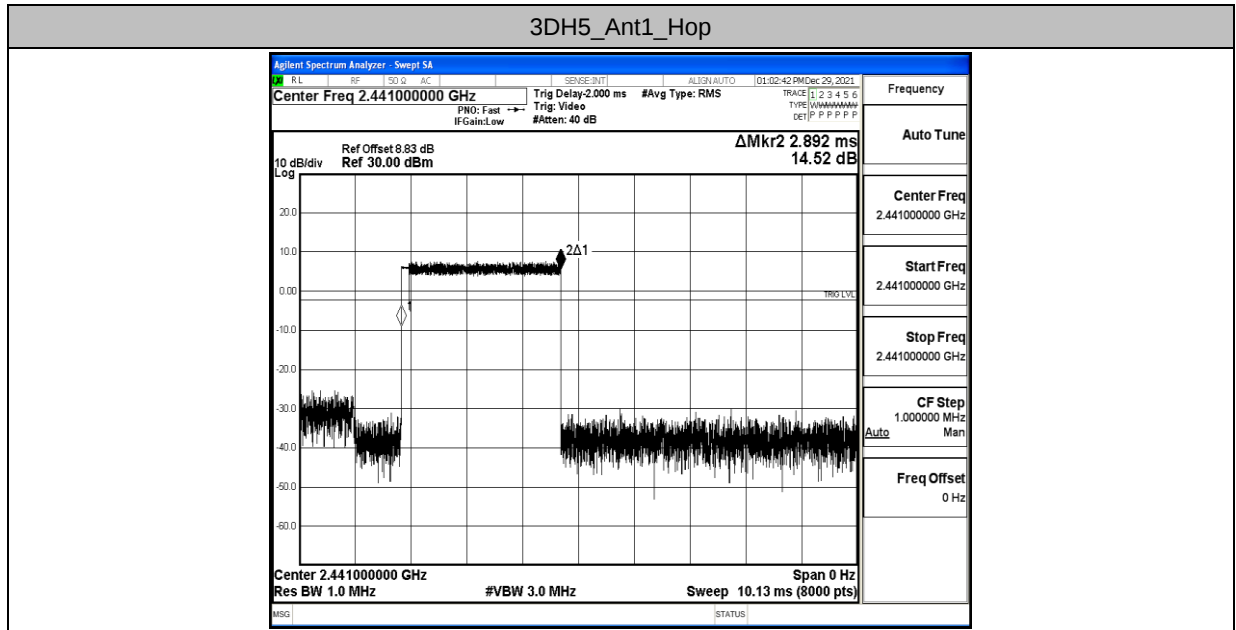
A.4 Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS

Test Graphs







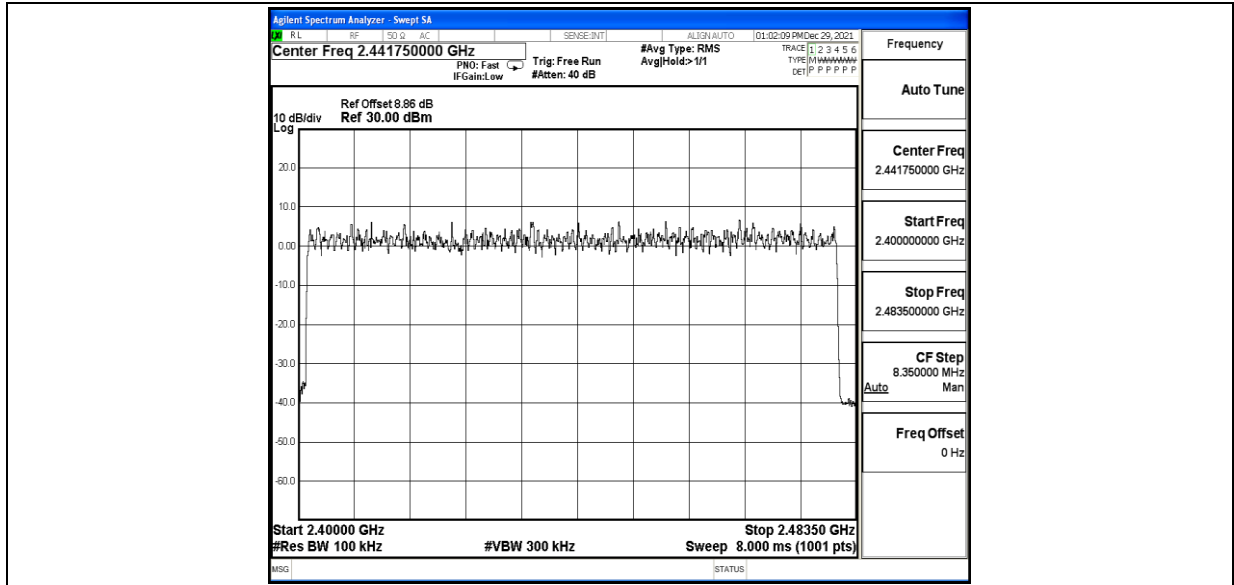
A.5 Number of hopping channels

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





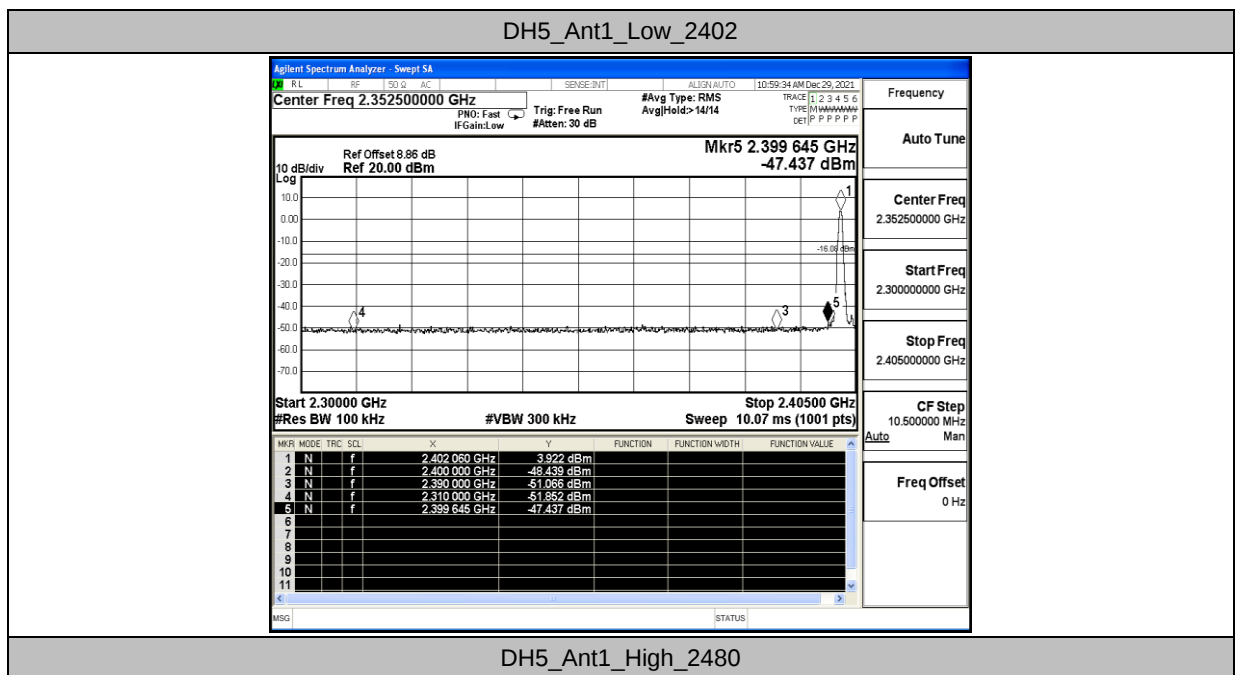


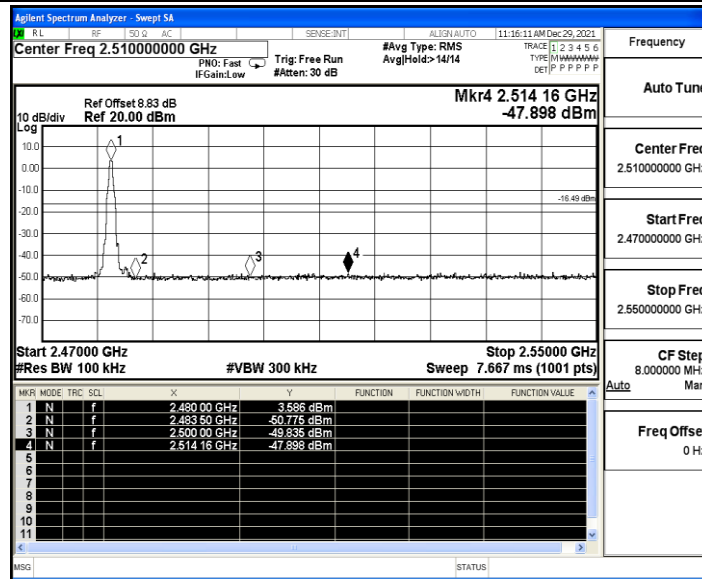
A.6 Band edge measurements

Test Result

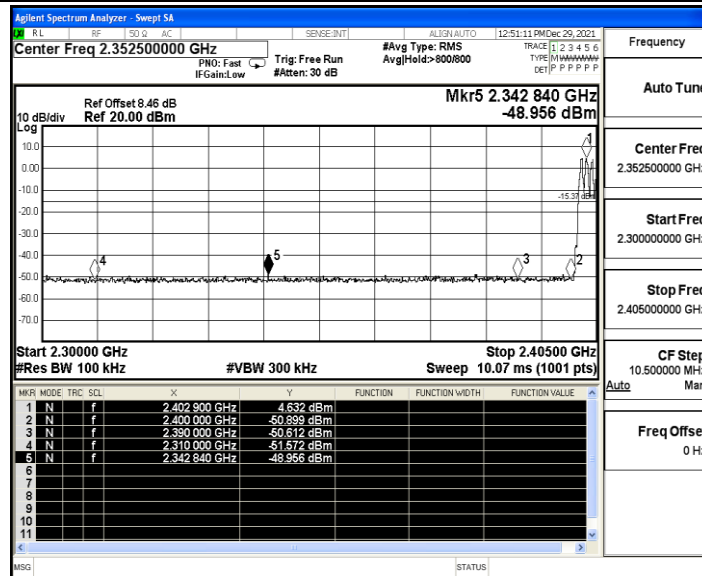
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.92	-47.44	≤-16.08	PASS
		High	2480	3.51	-47.9	≤-16.49	PASS
		Low	Hop_2402	4.63	-48.96	≤-15.37	PASS
		High	Hop_2480	5.37	-47.69	≤-14.63	PASS
2DH5	Ant1	Low	2402	2.05	-47.87	≤-17.95	PASS
		High	2480	2.32	-48.15	≤-17.69	PASS
		Low	Hop_2402	5.17	-49.24	≤-14.83	PASS
		High	Hop_2480	6.28	-47.41	≤-13.72	PASS
3DH5	Ant1	Low	2402	2.76	-47.61	≤-17.24	PASS
		High	2480	2.45	-47.74	≤-17.55	PASS
		Low	Hop_2402	5.24	-49.06	≤-14.76	PASS
		High	Hop_2480	6.43	-47.5	≤-13.57	PASS

Test Graphs

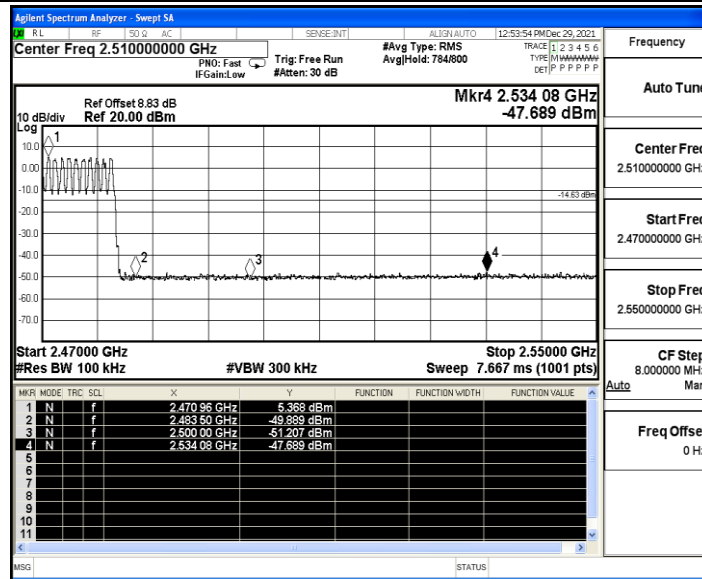




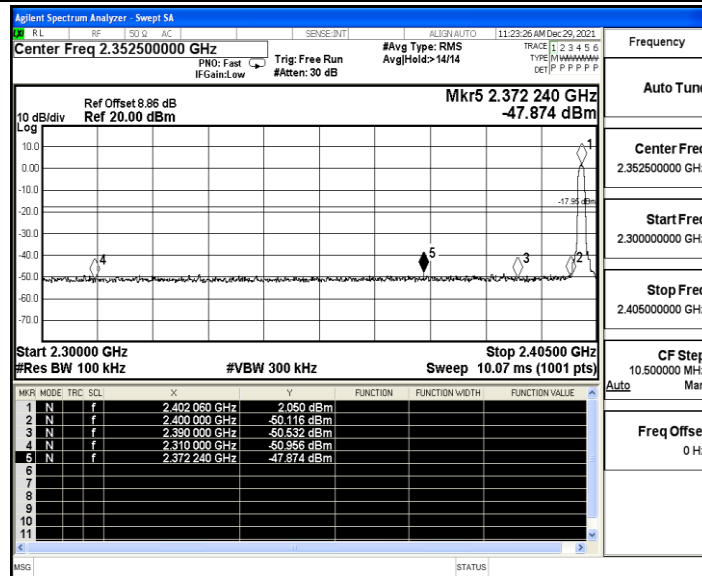
DH5_Ant1_Low_Hop_2402



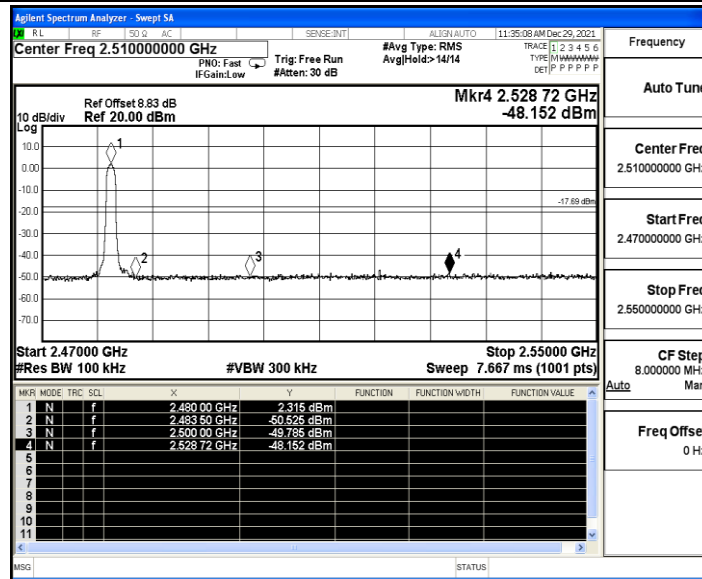
DH5_Ant1_High_Hop_2480



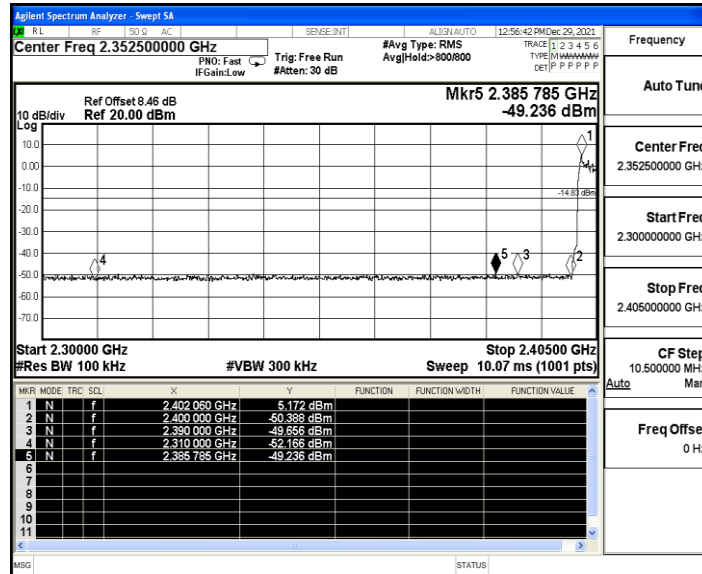
2DH5_Ant1_Low_2402



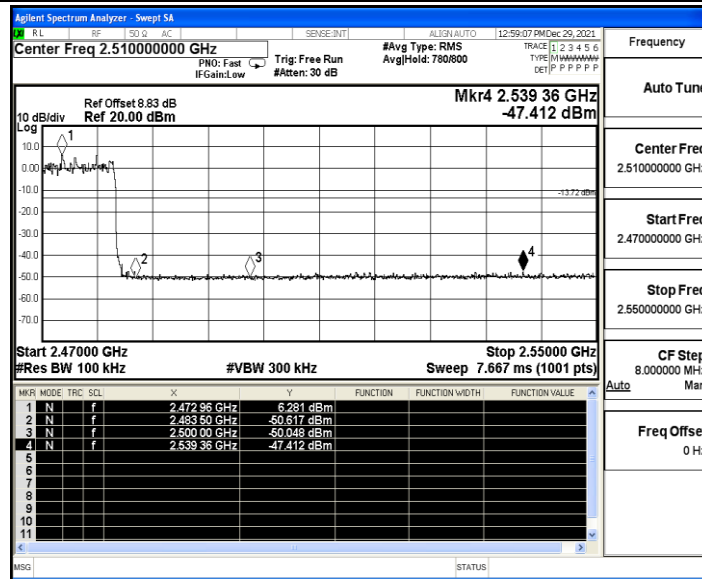
2DH5_Ant1_High_2480



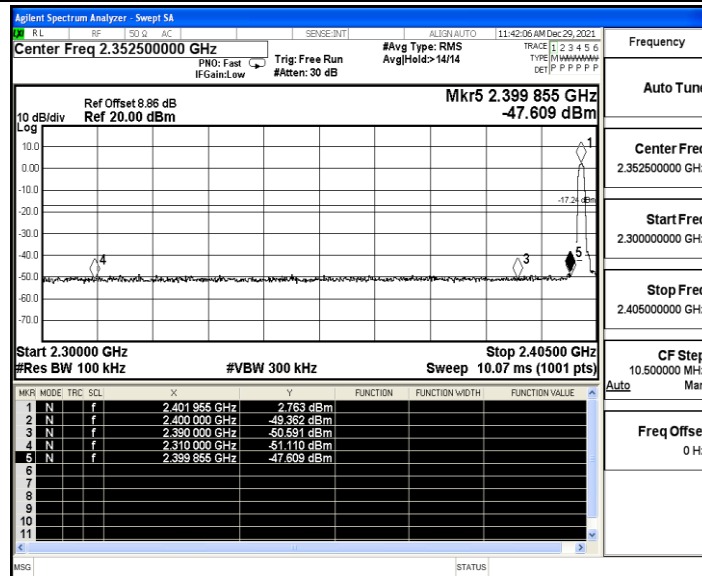
2DH5_Ant1_Low_Hop_2402



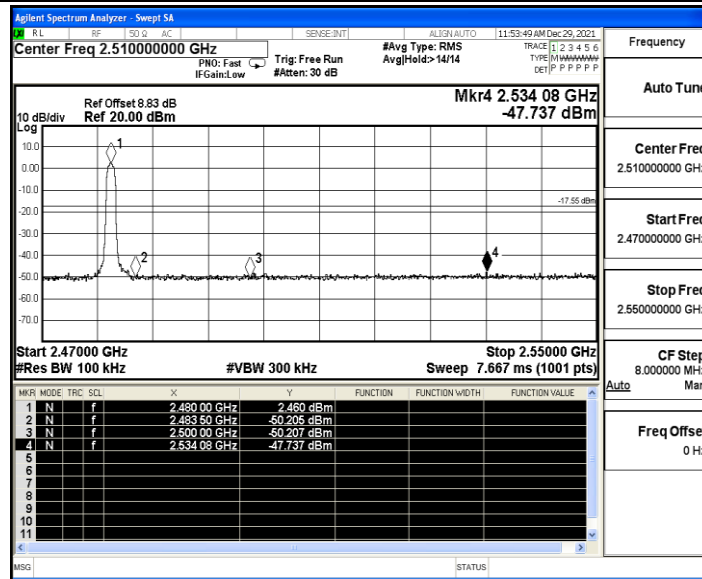
2DH5_Ant1_High_Hop_2480



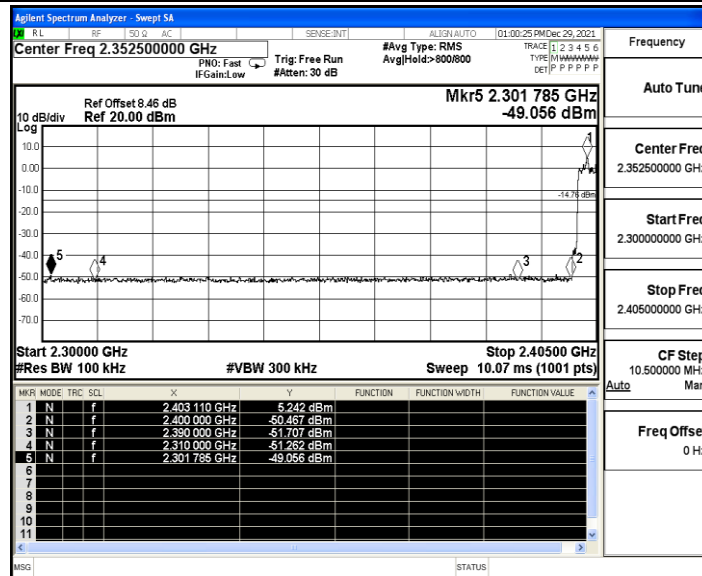
3DH5_Ant1_Low_2402



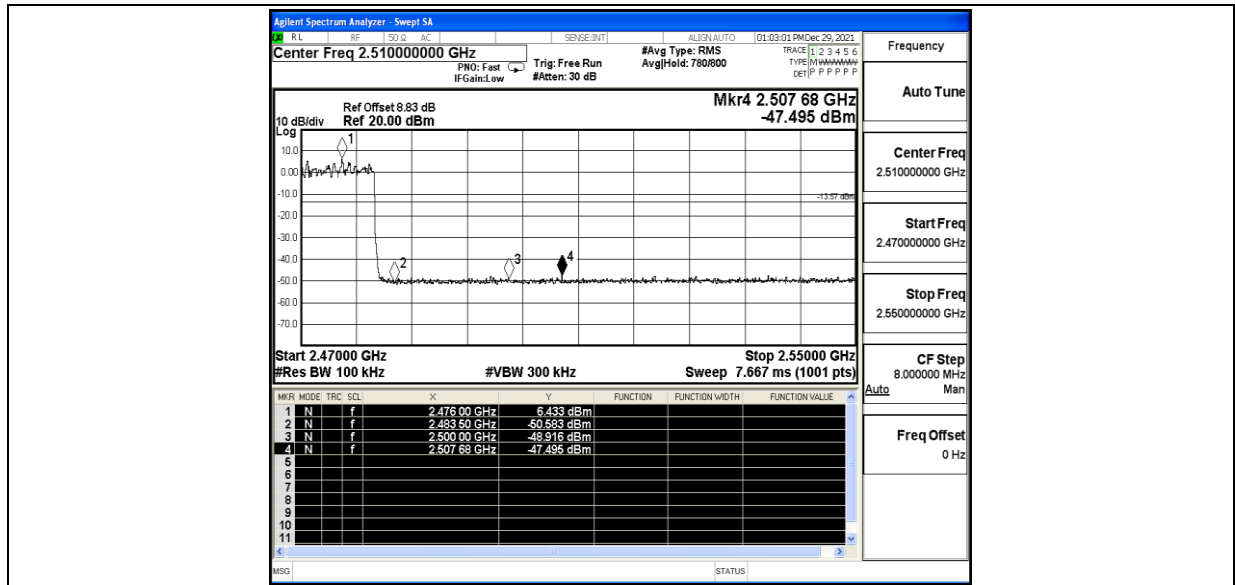
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





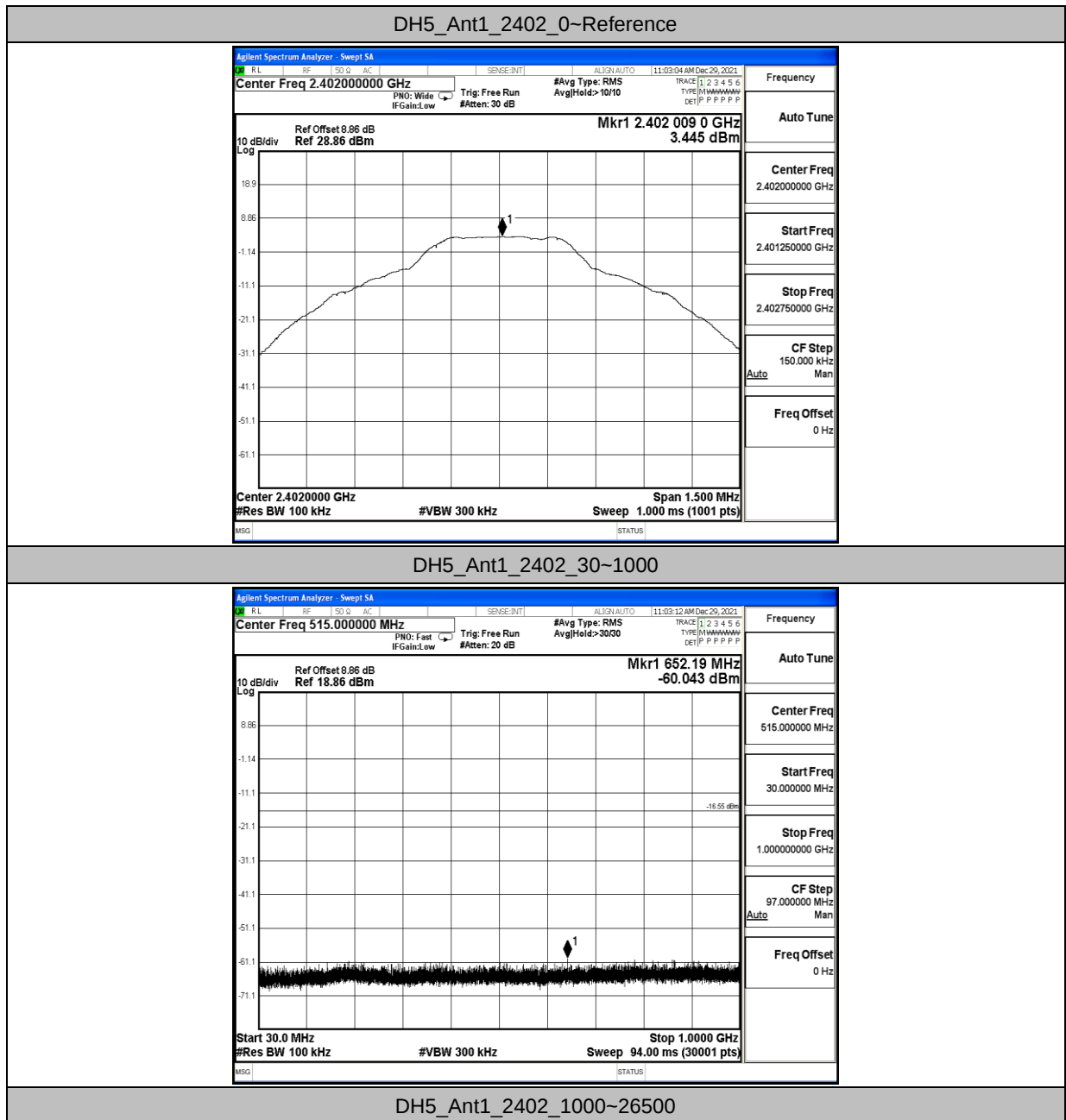
A.7 Conducted Spurious Emission

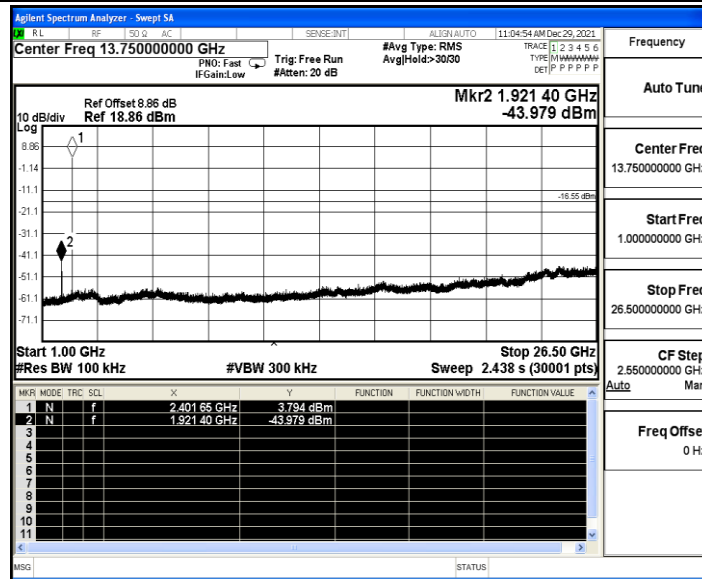
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-60.04	≤ -16.55	PASS
			1000~26500	3.45	-43.98	≤ -16.55	PASS
		2441	Reference	3.72	3.72	---	PASS
			30~1000	3.72	-60.56	≤ -16.28	PASS
			1000~26500	3.72	-46.3	≤ -16.28	PASS
		2480	Reference	3.08	3.08	---	PASS
			30~1000	3.08	-61.03	≤ -16.92	PASS
			1000~26500	3.08	-45.94	≤ -16.92	PASS
2DH5	Ant1	2402	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-60.31	≤ -18.17	PASS
			1000~26500	1.83	-46.23	≤ -18.17	PASS
		2441	Reference	1.89	1.89	---	PASS
			30~1000	1.89	-60.16	≤ -18.11	PASS
			1000~26500	1.89	-45.62	≤ -18.11	PASS
		2480	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-60.43	≤ -17.95	PASS
			1000~26500	2.05	-46.07	≤ -17.95	PASS
3DH5	Ant1	2402	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-60.2	≤ -17.91	PASS
			1000~26500	2.09	-46.38	≤ -17.91	PASS
		2441	Reference	1.68	1.68	---	PASS
			30~1000	1.68	-60.07	≤ -18.32	PASS
			1000~26500	1.68	-45.89	≤ -18.32	PASS
		2480	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-60.23	≤ -18.15	PASS
			1000~26500	1.85	-45.97	≤ -18.15	PASS

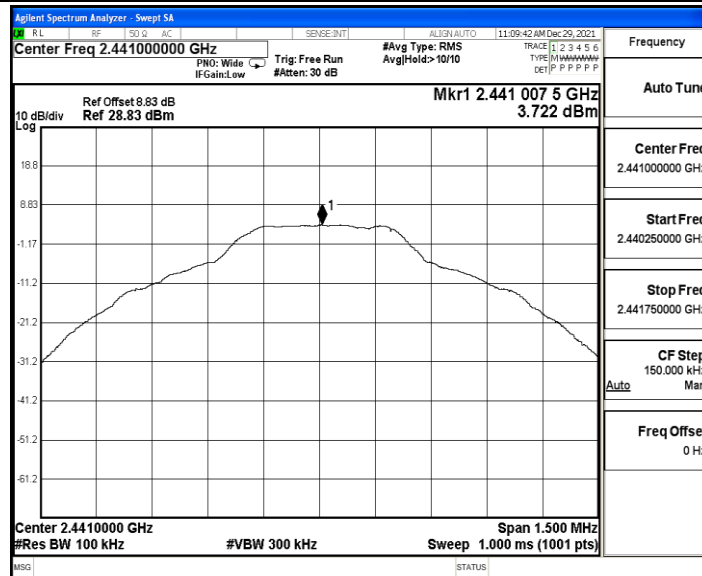


Test Graphs

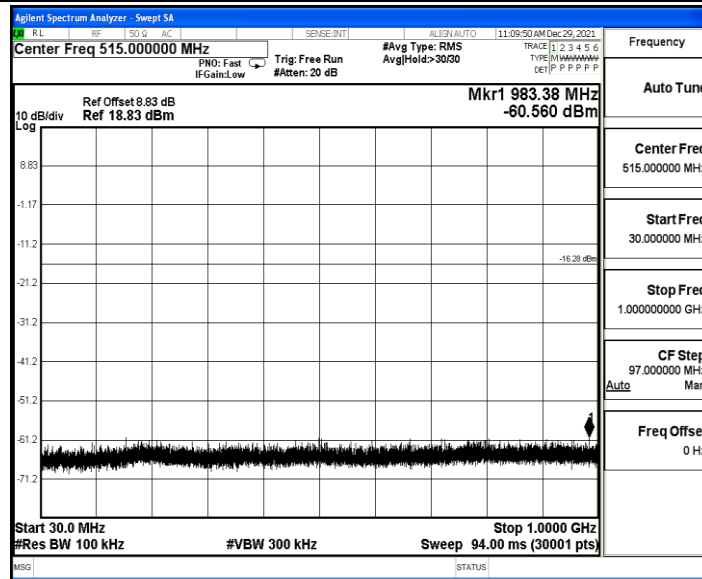




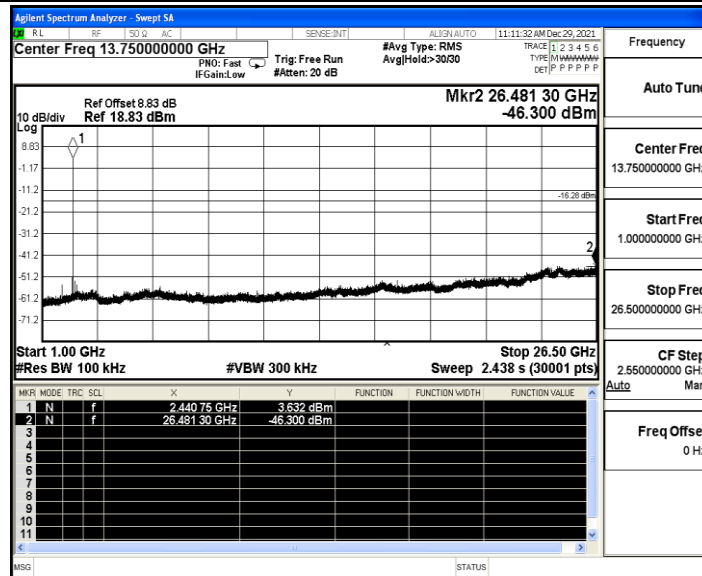
DH5_Ant1_2441_0~Reference



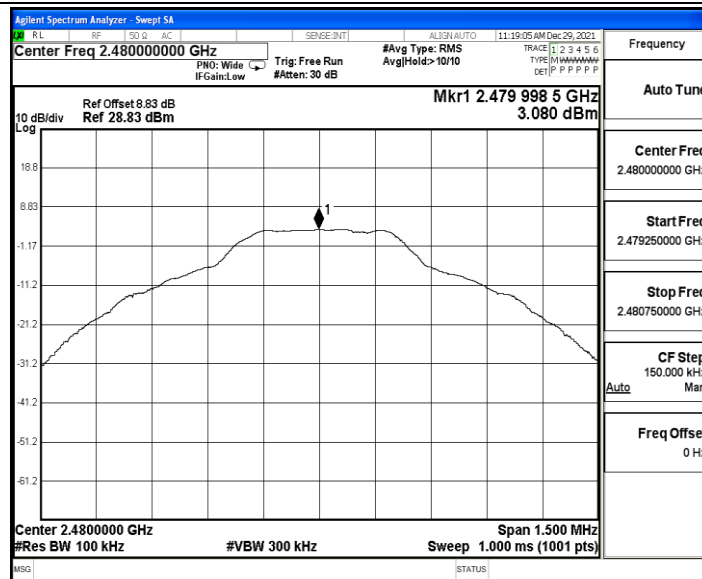
DH5_Ant1_2441_30~1000



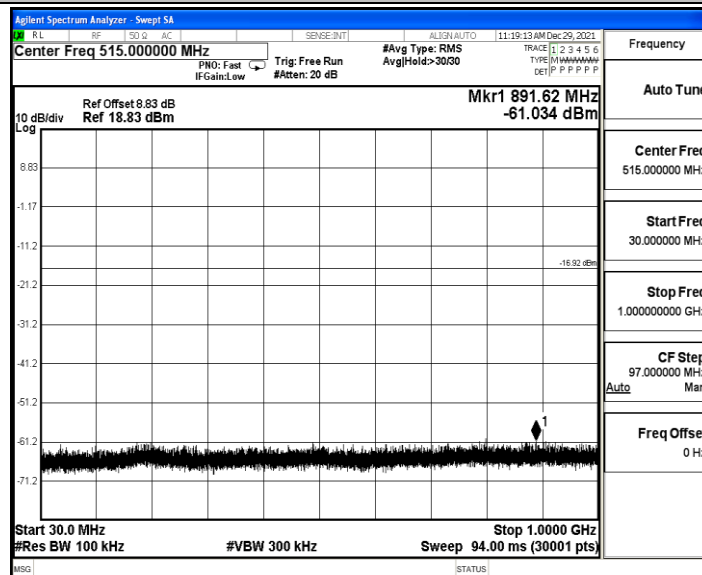
DH5_Ant1_2441_1000~26500



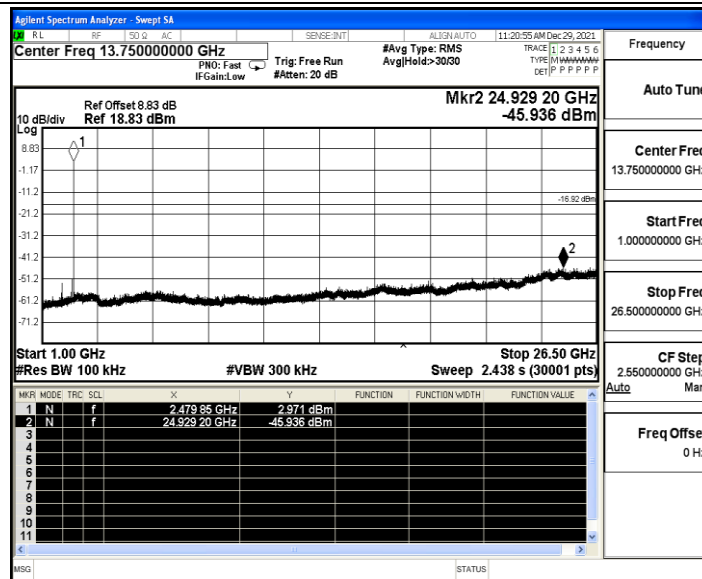
DH5_Ant1_2480_0~Reference



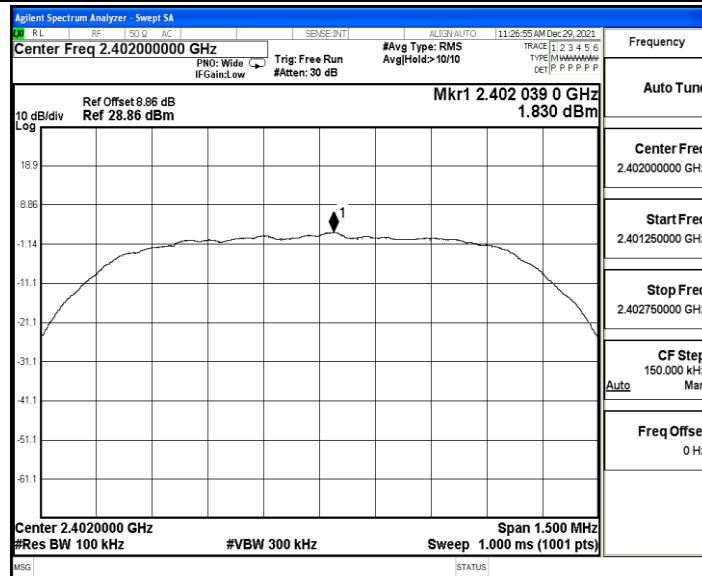
DH5_Ant1_2480_30~1000



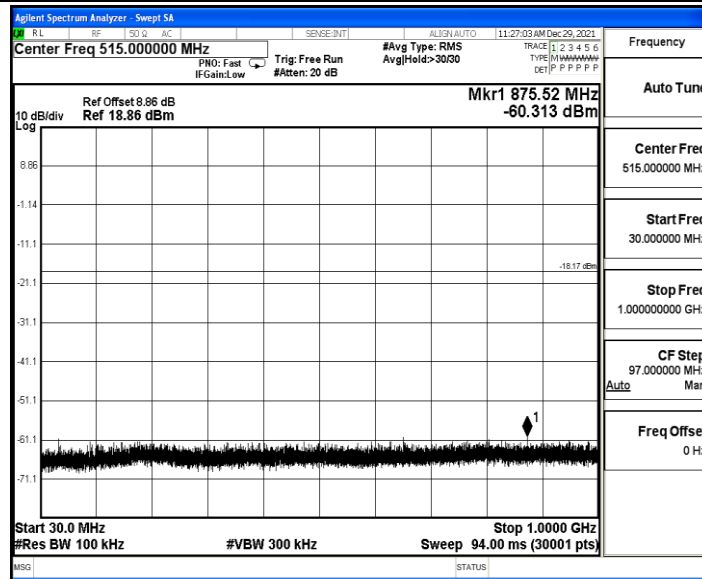
DH5_Ant1_2480_1000~26500



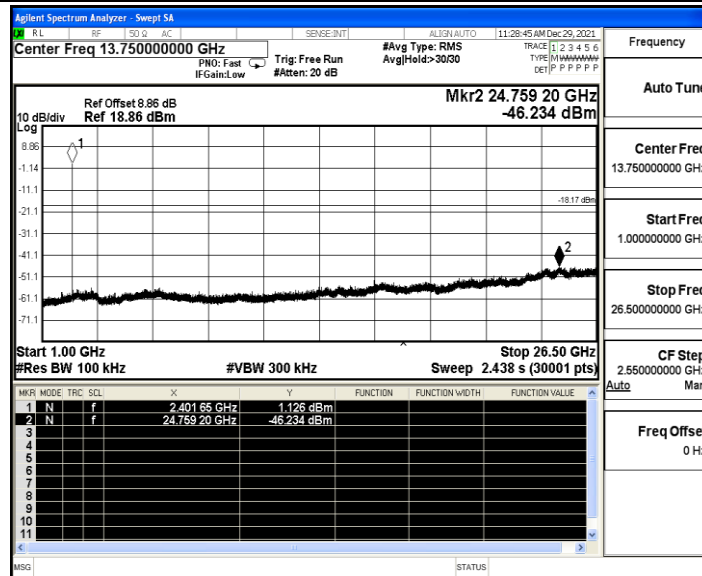
2DH5_Ant1_2402_0~Reference



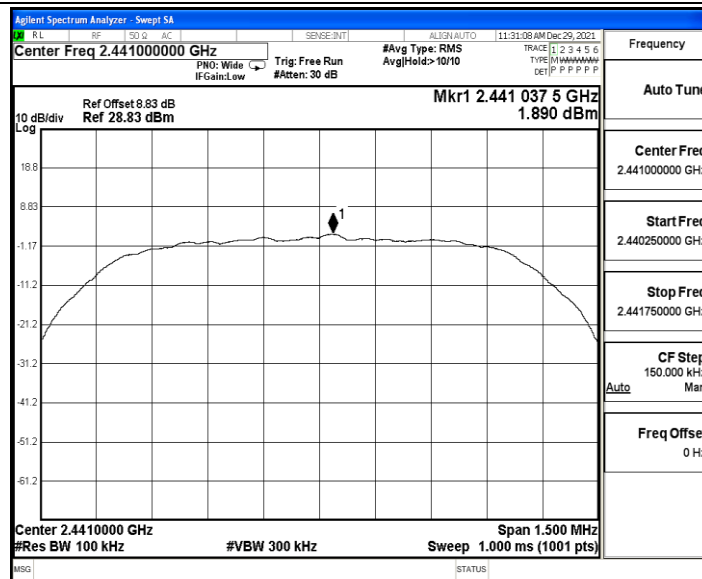
2DH5_Ant1_2402_30~1000



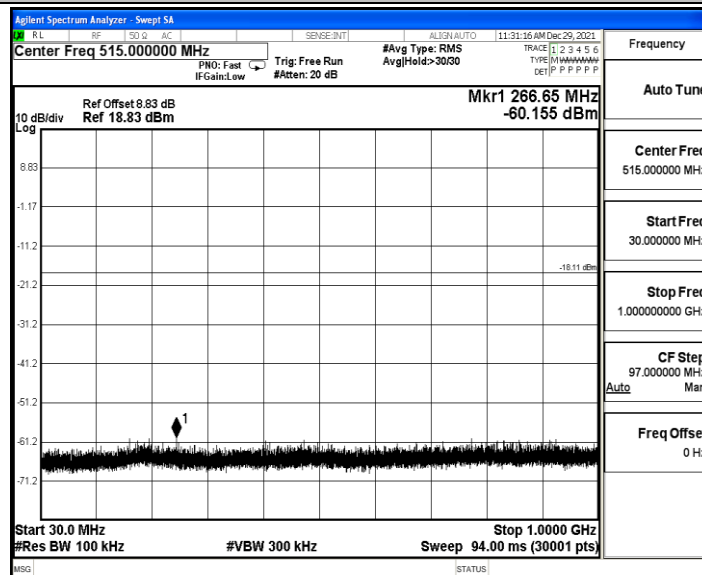
2DH5_Ant1_2402_1000~26500



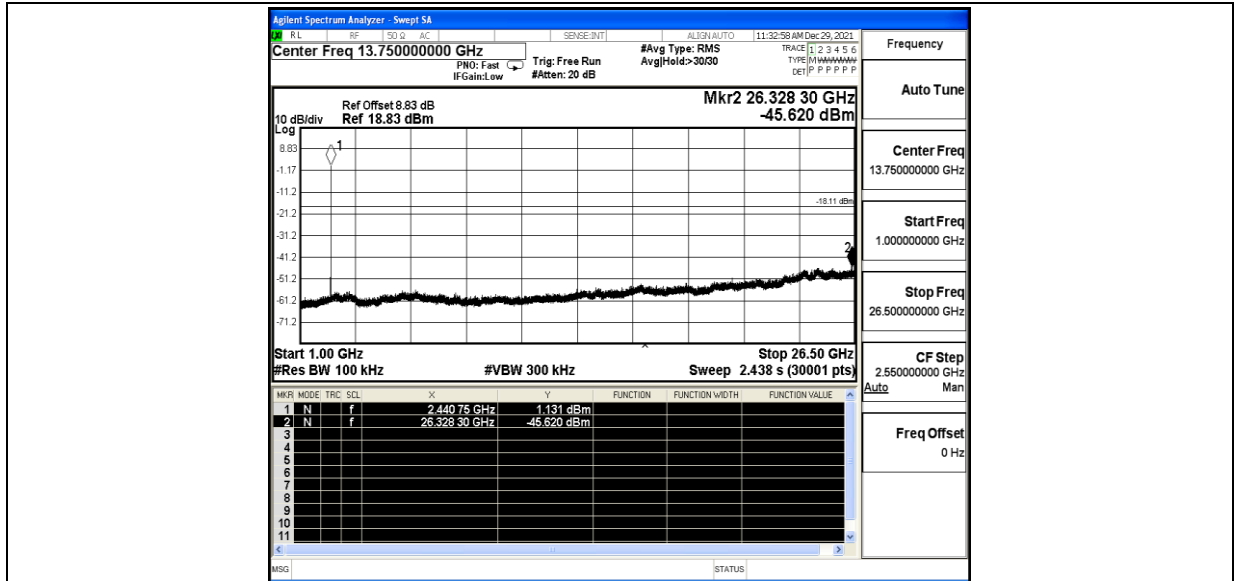
2DH5_Ant1_2441_0~Reference



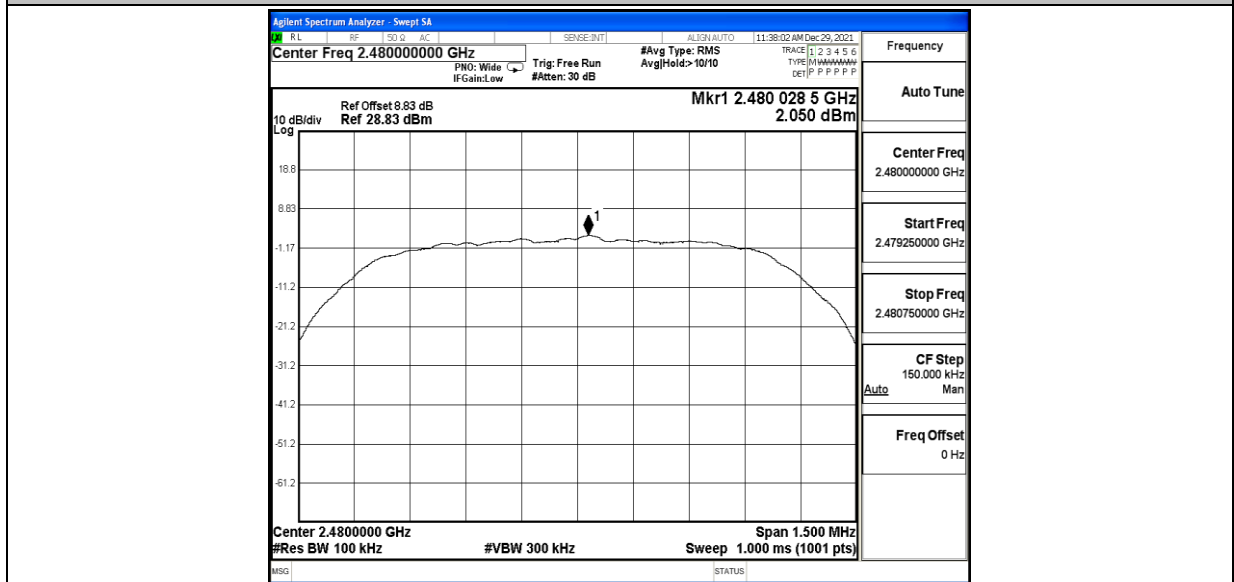
2DH5_Ant1_2441_30~1000



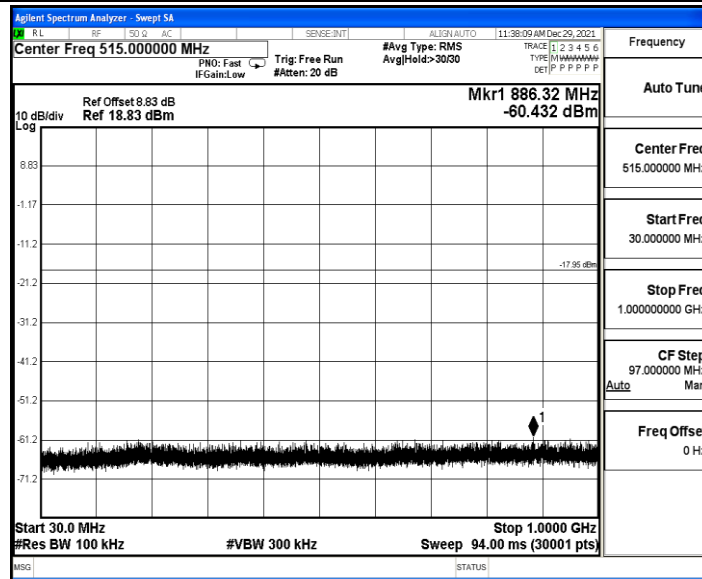
2DH5_Ant1_2441_1000~26500



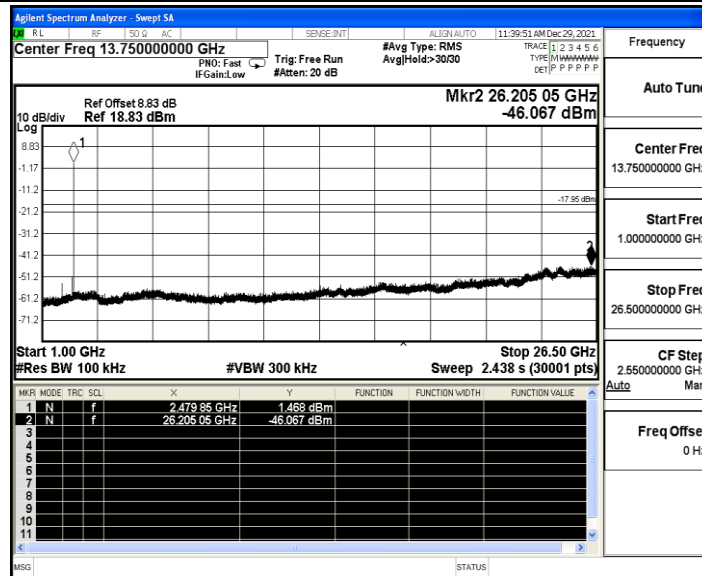
2DH5_Ant1_2480_0~Reference



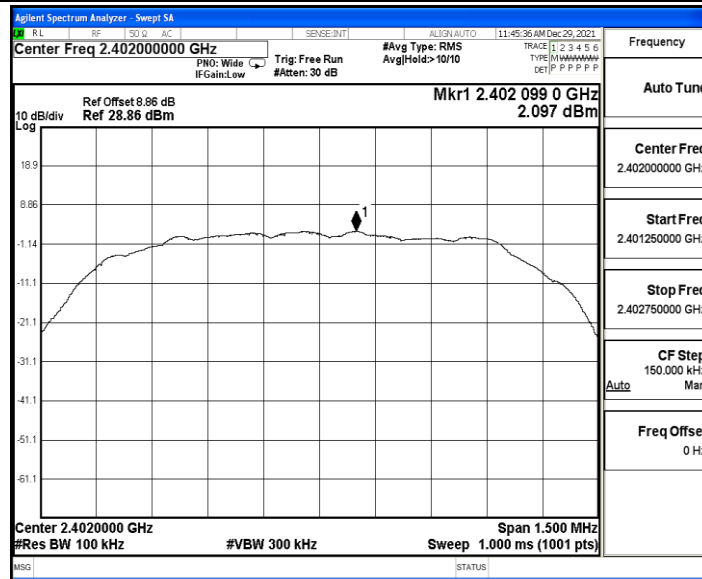
2DH5_Ant1_2480_30~1000



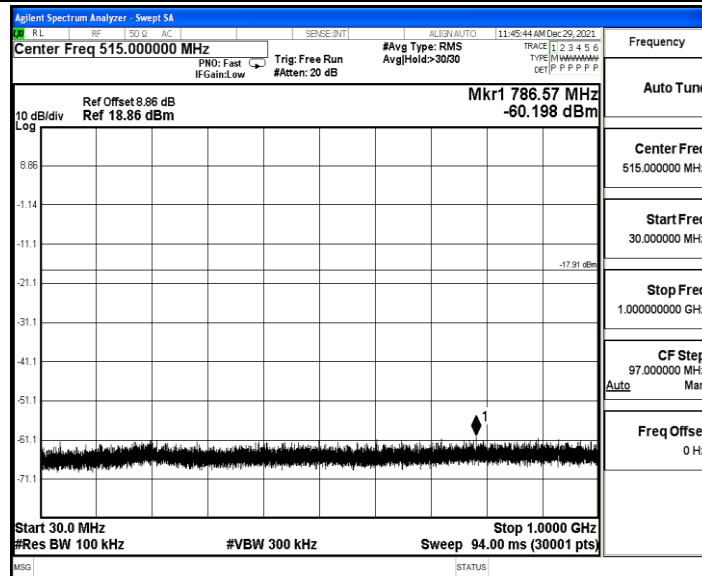
2DH5_Ant1_2480_1000~26500



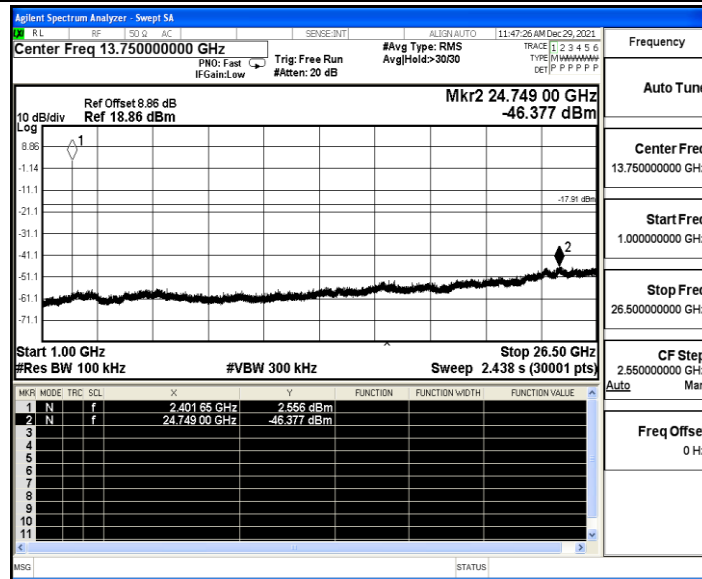
3DH5_Ant1_2402_0~Reference



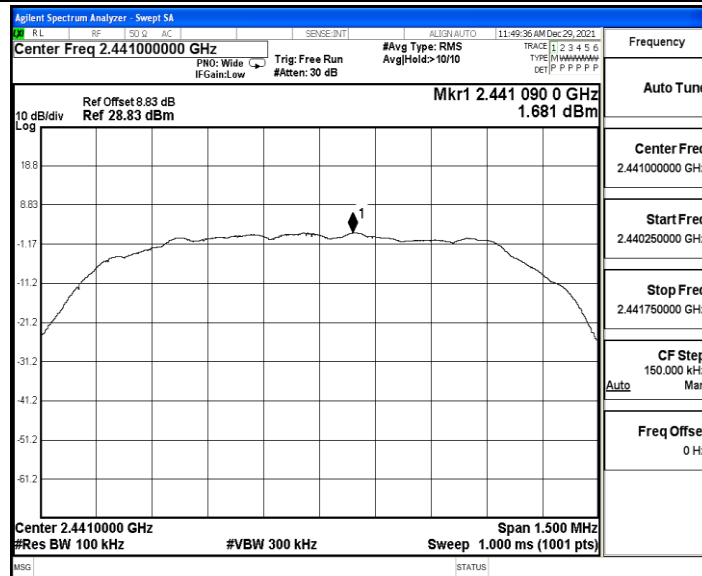
3DH5_Ant1_2402_30~1000



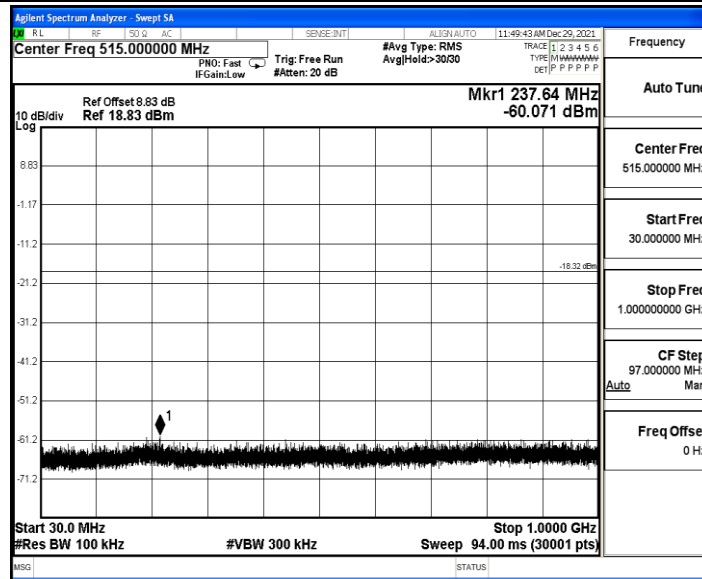
3DH5_Ant1_2402_1000~26500



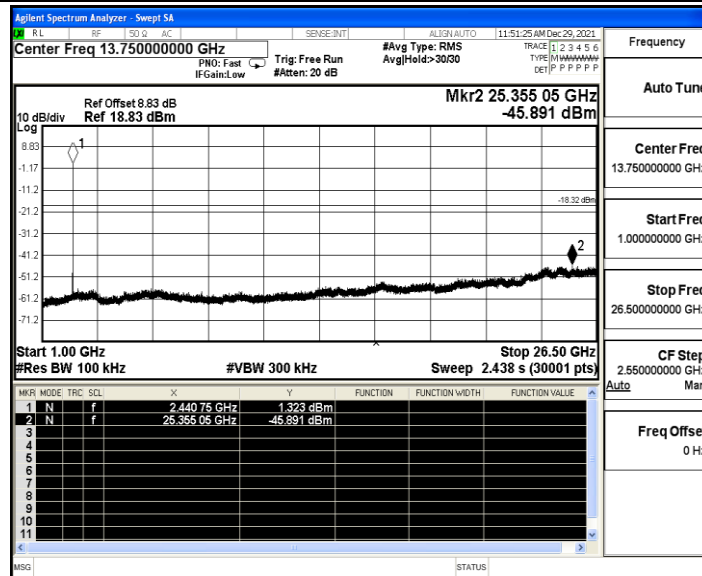
3DH5_Ant1_2441_0~Reference



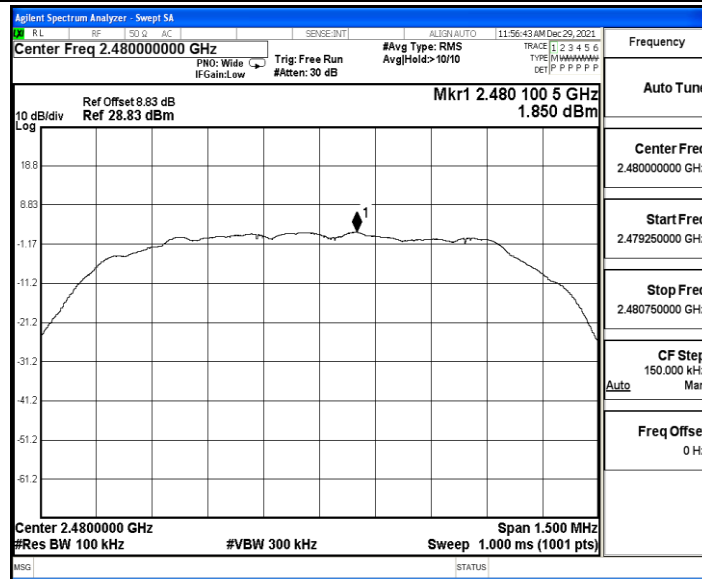
3DH5_Ant1_2441_30~1000



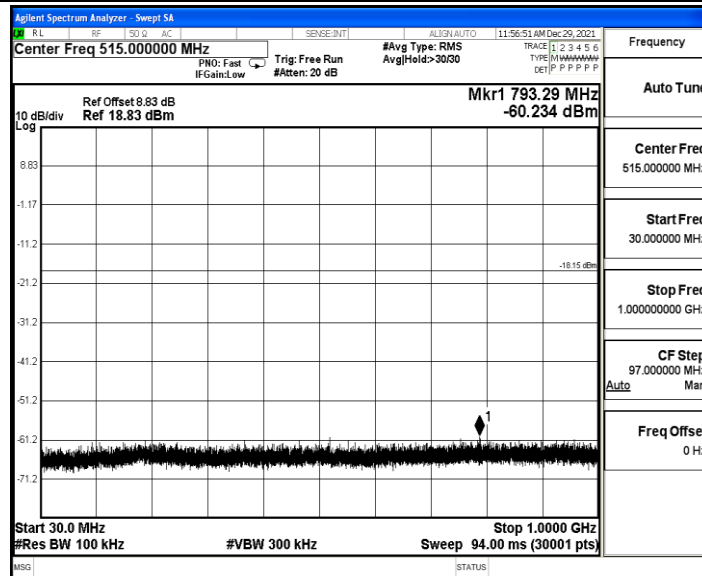
3DH5_Ant1_2441_1000~26500



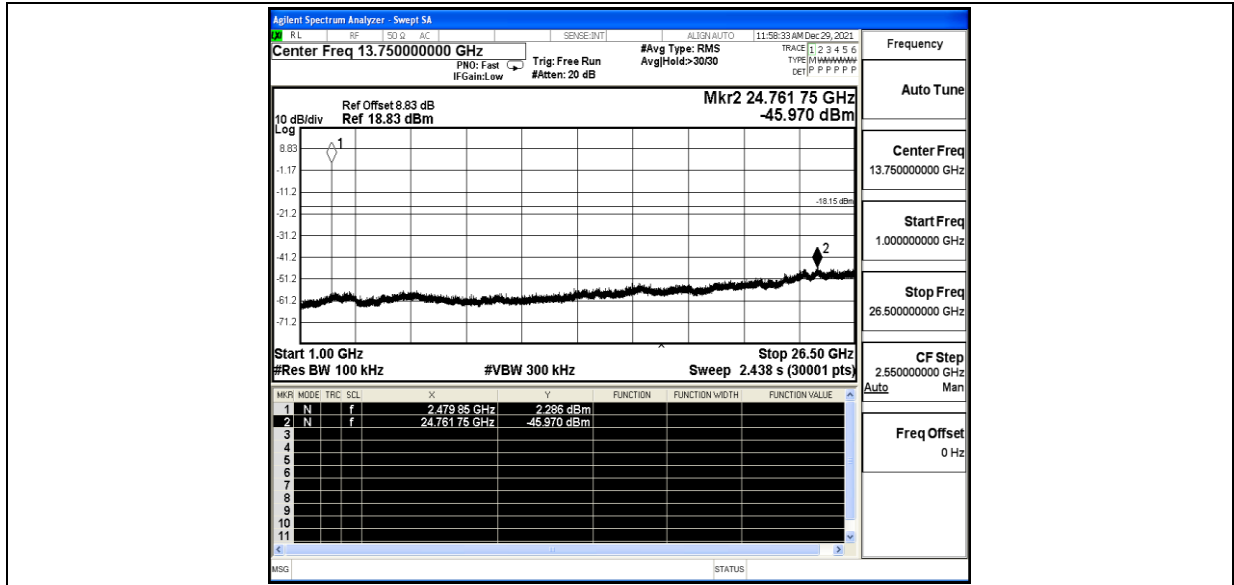
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	2402	AV	2310.000	-48.25	≤-41.20	46.95	≤54	PASS
		AV	2388.935	-47.83	≤-41.20	47.37	≤54	PASS
		AV	2390.000	-47.85	≤-41.20	47.35	≤54	PASS
		Peak	2310.000	-38.17	≤-21.20	57.03	≤74	PASS
		Peak	2374.445	-36.24	≤-21.20	58.96	≤74	PASS
		Peak	2390.000	-36.42	≤-21.20	58.78	≤74	PASS
	2480	AV	2483.500	-46.64	≤-41.20	48.56	≤54	PASS
		AV	2483.520	-46.64	≤-41.20	48.56	≤54	PASS
		AV	2500.000	-47.37	≤-41.20	47.83	≤54	PASS
		Peak	2483.500	-37.4	≤-21.20	57.80	≤74	PASS
		Peak	2497.040	-36.06	≤-21.20	59.14	≤74	PASS
		Peak	2500.000	-37.28	≤-21.20	57.92	≤74	PASS
	Hop_2402	Peak	2310.000	-38.58	≤-21.20	56.62	≤74	PASS
		Peak	2384.420	-36.86	≤-21.20	58.34	≤74	PASS
		Peak	2390.000	-38.8	≤-21.20	56.40	≤74	PASS
	Hop_2480	Peak	2483.500	-38.58	≤-21.20	56.62	≤74	PASS
		Peak	2489.840	-36.11	≤-21.20	59.09	≤74	PASS
		Peak	2500.000	-37.92	≤-21.20	57.28	≤74	PASS
2DH5	2402	AV	2310.000	-48.31	≤-41.20	46.89	≤54	PASS
		AV	2389.670	-47.92	≤-41.20	47.28	≤54	PASS
		AV	2390.000	-47.94	≤-41.20	47.26	≤54	PASS
		Peak	2310.000	-39.1	≤-21.20	56.10	≤74	PASS
		Peak	2369.615	-35.64	≤-21.20	59.56	≤74	PASS
		Peak	2390.000	-38.34	≤-21.20	56.86	≤74	PASS
	2480	AV	2483.500	-46.08	≤-41.20	49.12	≤54	PASS
		AV	2483.520	-46.08	≤-41.20	49.12	≤54	PASS
		AV	2500.000	-47.38	≤-41.20	47.82	≤54	PASS
		Peak	2483.500	-37.78	≤-21.20	57.42	≤74	PASS
		Peak	2484.880	-35.9	≤-21.20	59.30	≤74	PASS
		Peak	2500.000	-37.95	≤-21.20	57.25	≤74	PASS
	Hop_2402	Peak	2310.000	-38.95	≤-21.20	56.25	≤74	PASS
		Peak	2354.285	-37.29	≤-21.20	57.91	≤74	PASS
		Peak	2390.000	-38.37	≤-21.20	56.83	≤74	PASS
	Hop_2480	Peak	2483.500	-37.98	≤-21.20	57.22	≤74	PASS
		Peak	2497.520	-35.87	≤-21.20	59.33	≤74	PASS
		Peak	2500.000	-37.55	≤-21.20	57.65	≤74	PASS



3DH5	2402	AV	2310.000	-48.32	≤ -41.20	46.88	≤ 54	PASS
		AV	2389.670	-47.93	≤ -41.20	47.27	≤ 54	PASS
		AV	2390.000	-47.94	≤ -41.20	47.26	≤ 54	PASS
		Peak	2310.000	-38.85	≤ -21.20	56.35	≤ 74	PASS
		Peak	2384.315	-36.41	≤ -21.20	58.79	≤ 74	PASS
		Peak	2390.000	-38.68	≤ -21.20	56.52	≤ 74	PASS
	2480	AV	2483.500	-46.11	≤ -41.20	49.09	≤ 54	PASS
		AV	2483.520	-46.11	≤ -41.20	49.09	≤ 54	PASS
		AV	2500.000	-47.35	≤ -41.20	47.85	≤ 54	PASS
		Peak	2483.500	-37.81	≤ -21.20	57.39	≤ 74	PASS
		Peak	2484.080	-35.84	≤ -21.20	59.36	≤ 74	PASS
		Peak	2500.000	-37.13	≤ -21.20	58.07	≤ 74	PASS
	Hop_2402	Peak	2310.000	-38.29	≤ -21.20	56.91	≤ 74	PASS
		Peak	2381.375	-36.52	≤ -21.20	58.68	≤ 74	PASS
		Peak	2390.000	-37.9	≤ -21.20	57.30	≤ 74	PASS
	Hop_2480	Peak	2483.500	-37.25	≤ -21.20	57.95	≤ 74	PASS
		Peak	2498.480	-36.18	≤ -21.20	59.02	≤ 74	PASS
		Peak	2500.000	-37.75	≤ -21.20	57.45	≤ 74	PASS

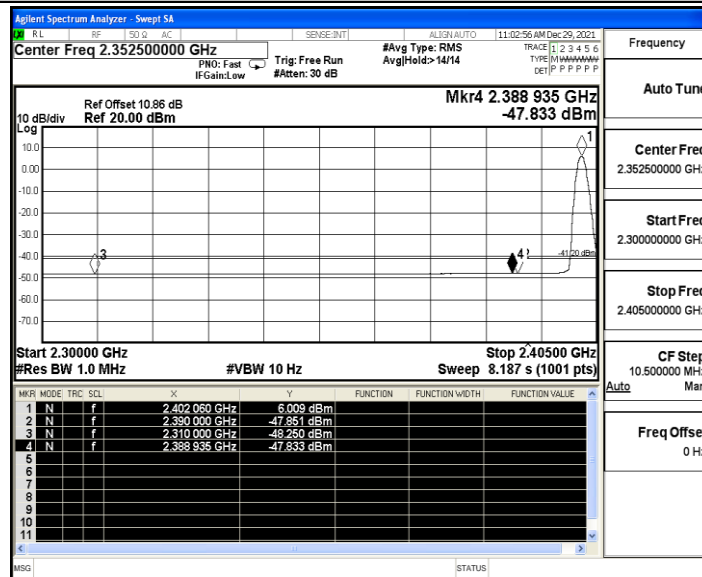
Note:

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.

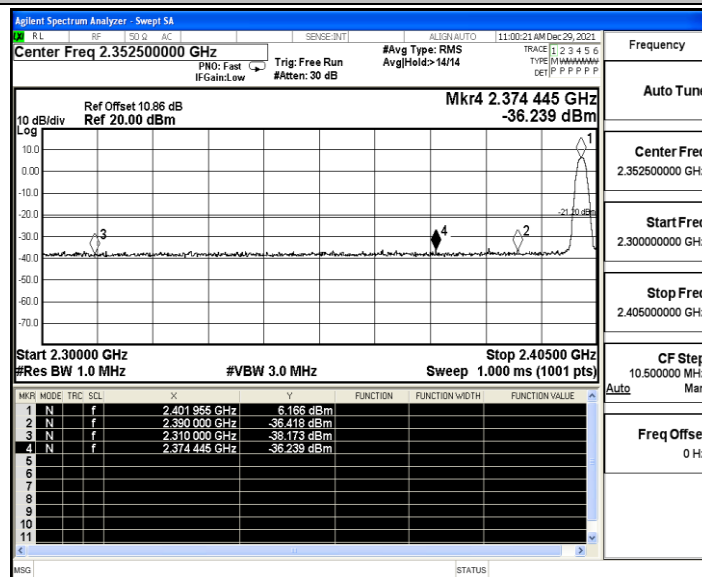


Test Graphs

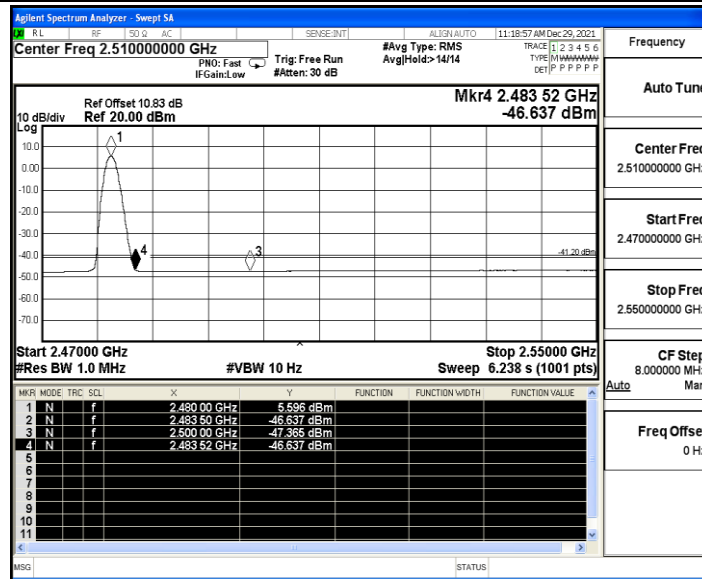
DH5_Ant1_Low_2402_AV



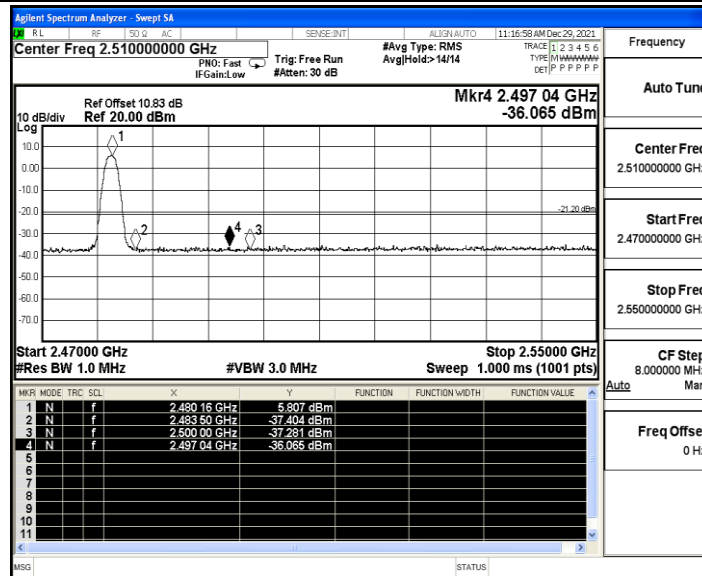
DH5_Ant1_Low_2402_Peak



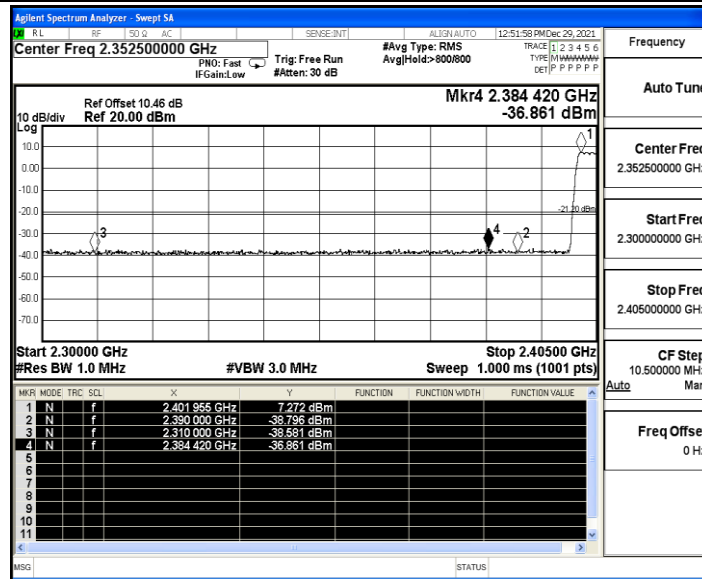
DH5_Ant1_High_2480_AV



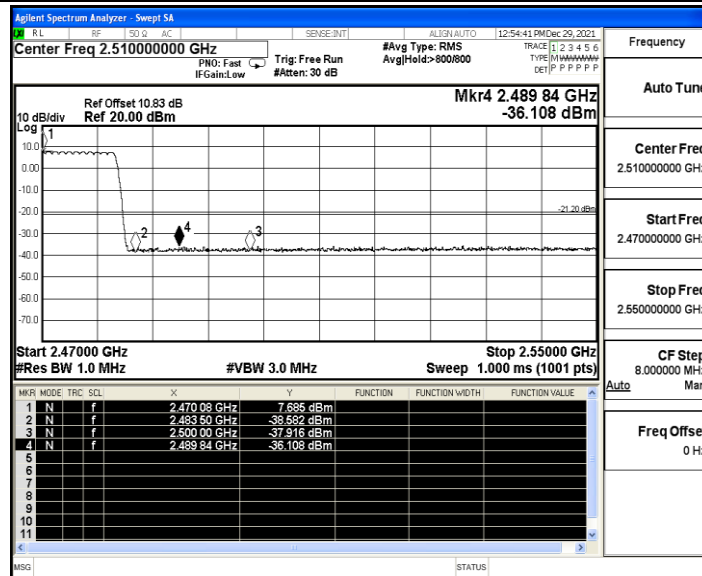
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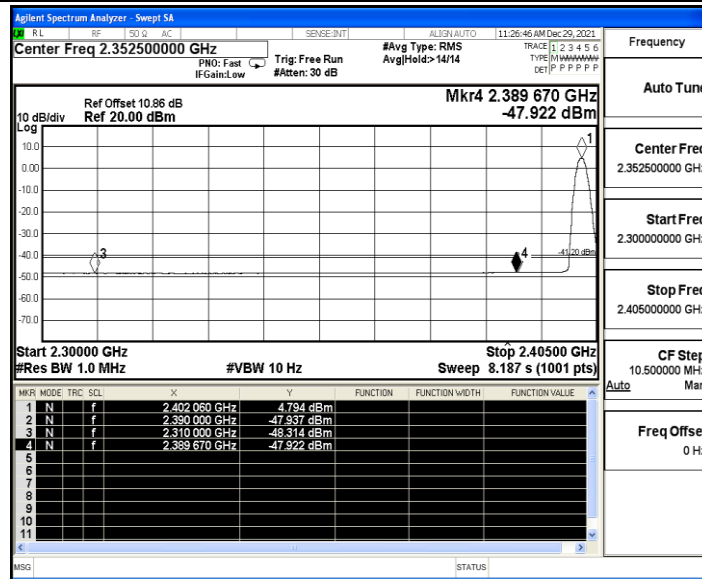
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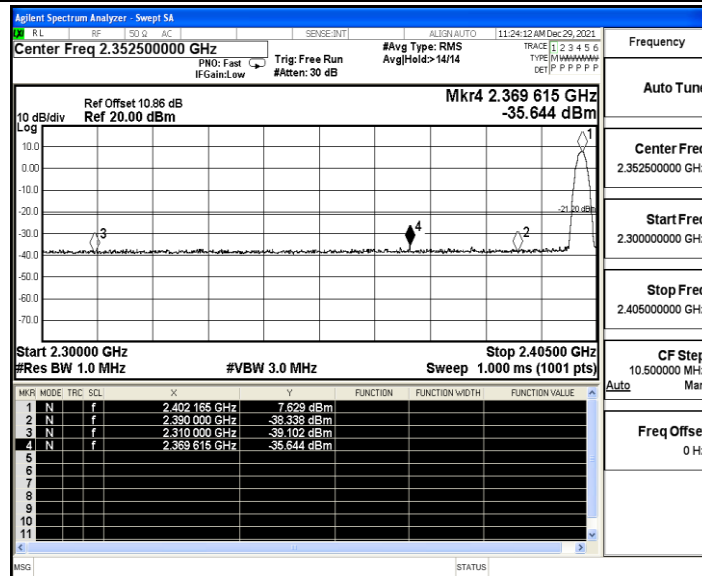
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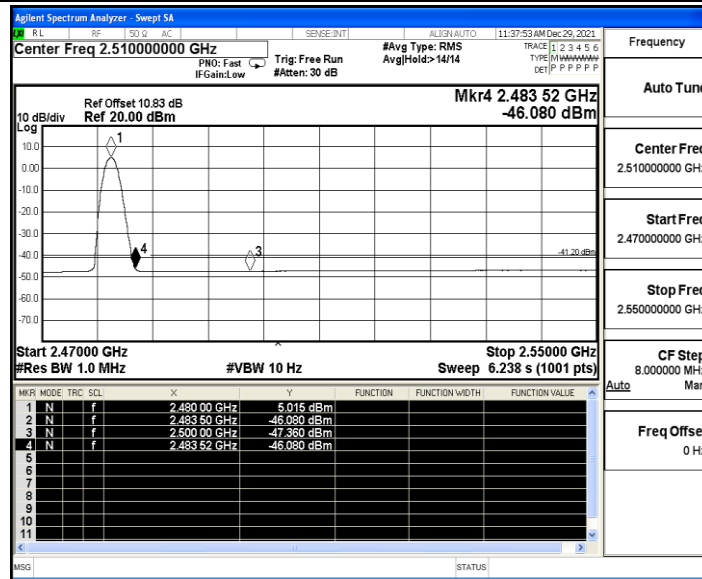
2DH5_Ant1_Low_2402_AV



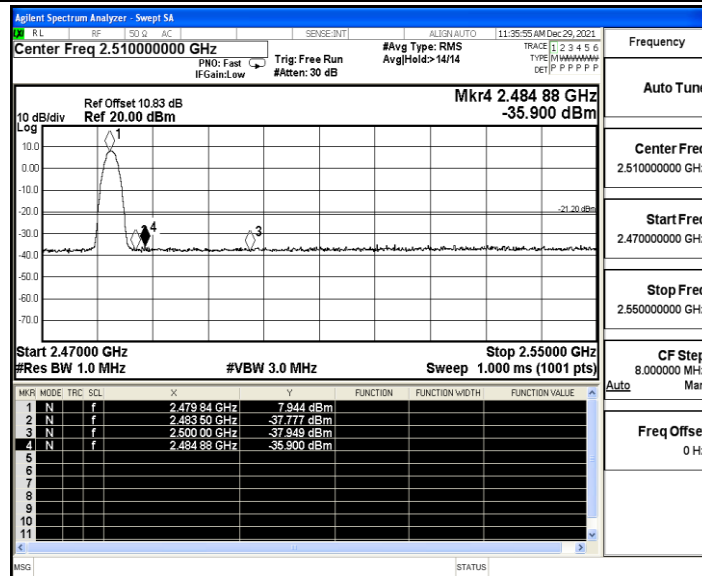
2DH5_Ant1_Low_2402_Peak



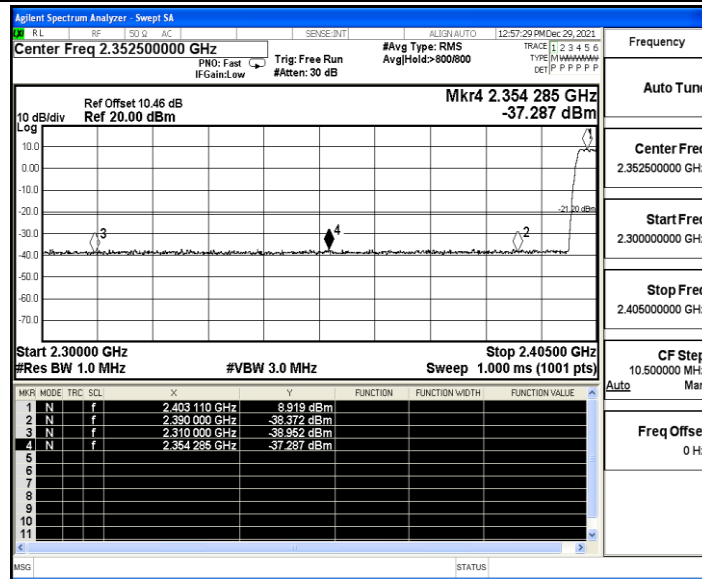
2DH5_Ant1_High_2480_AV



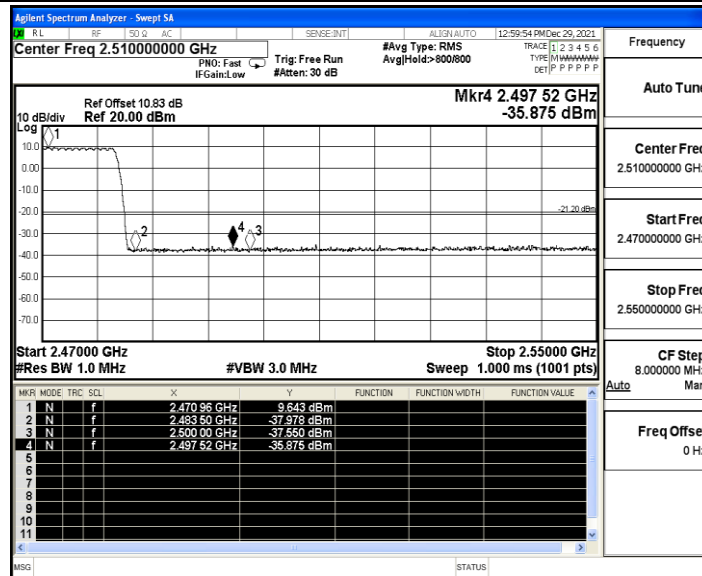
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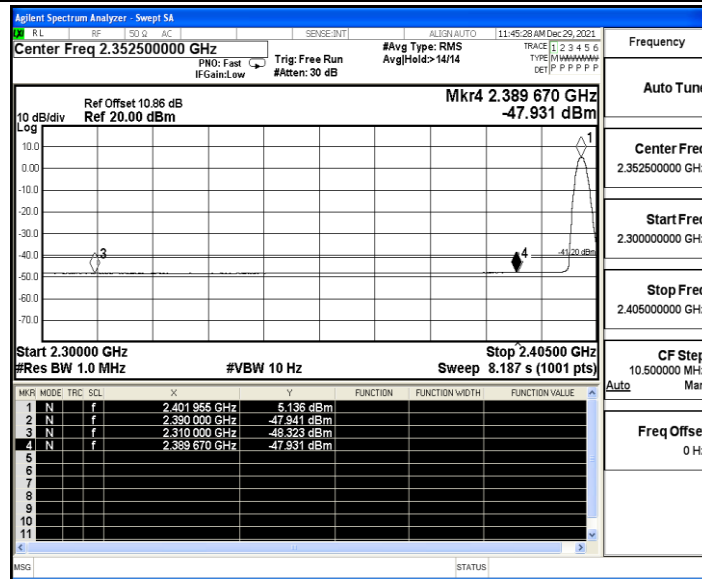
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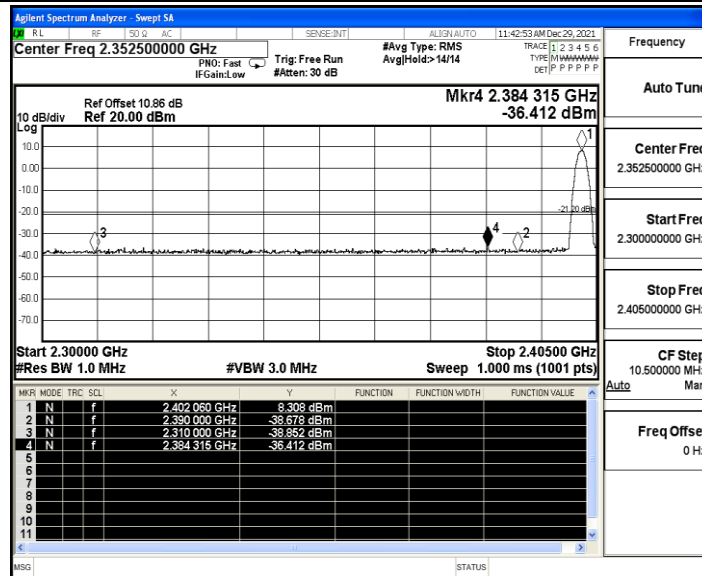
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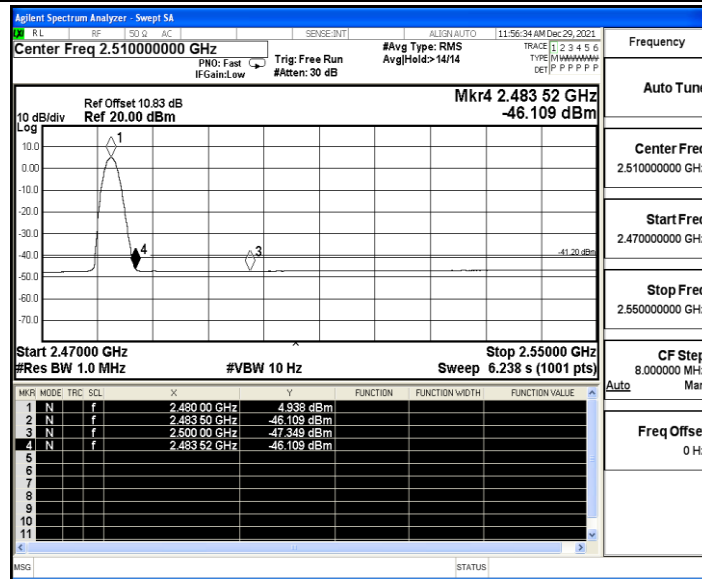
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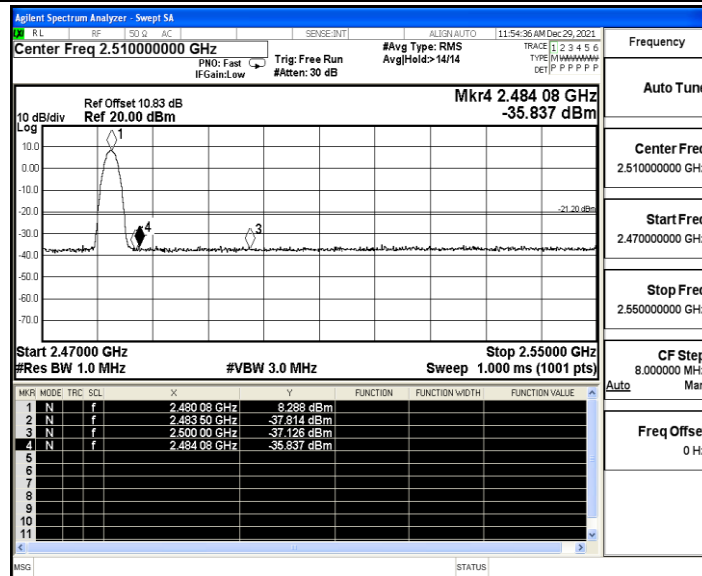
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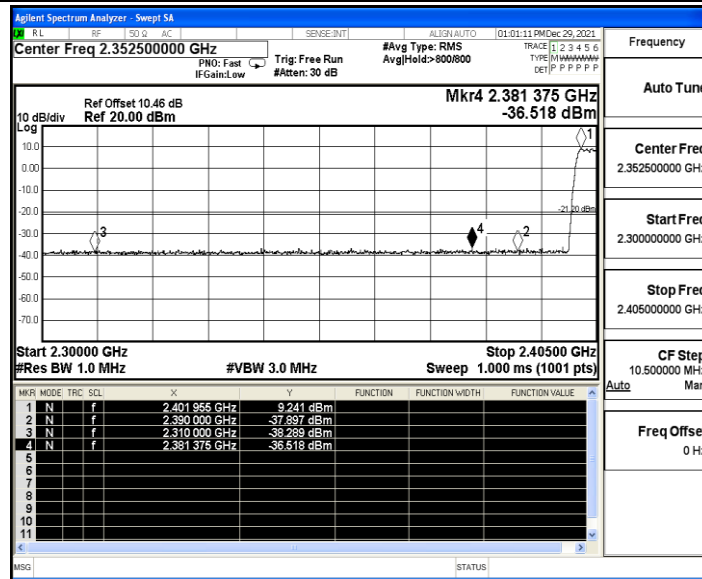
3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak

