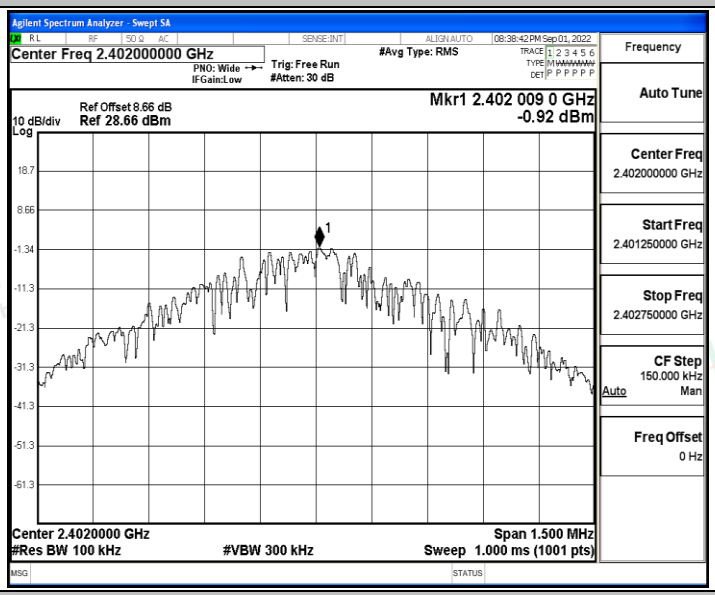
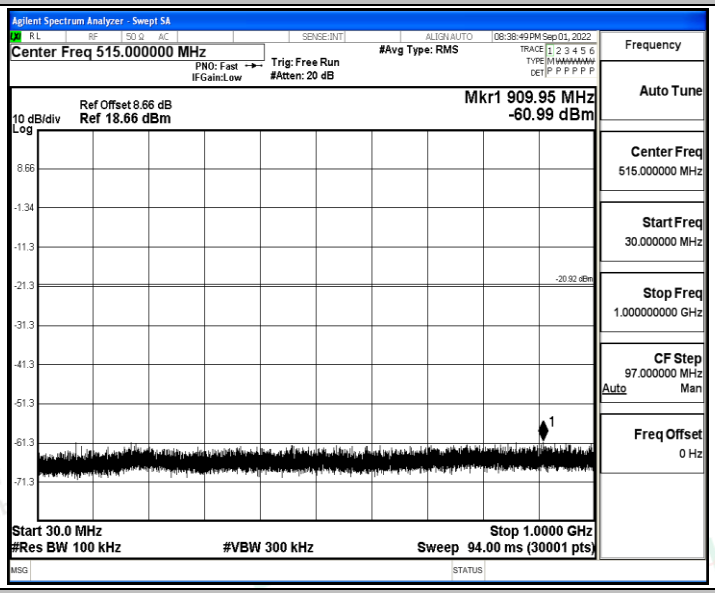
Test Graphs

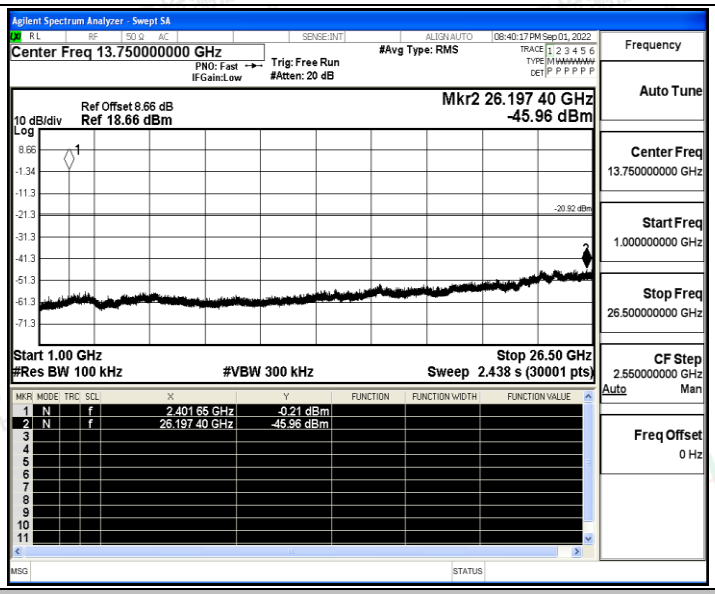
DH5_Ant1_2402_0~Reference



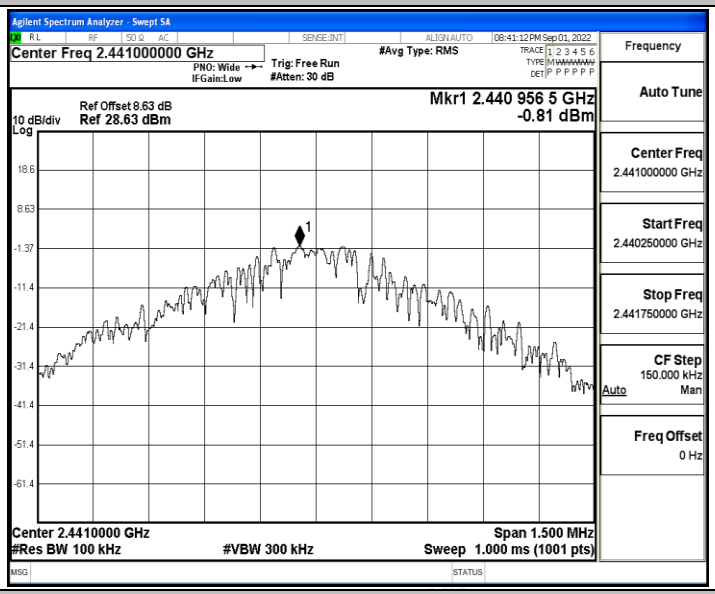
DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



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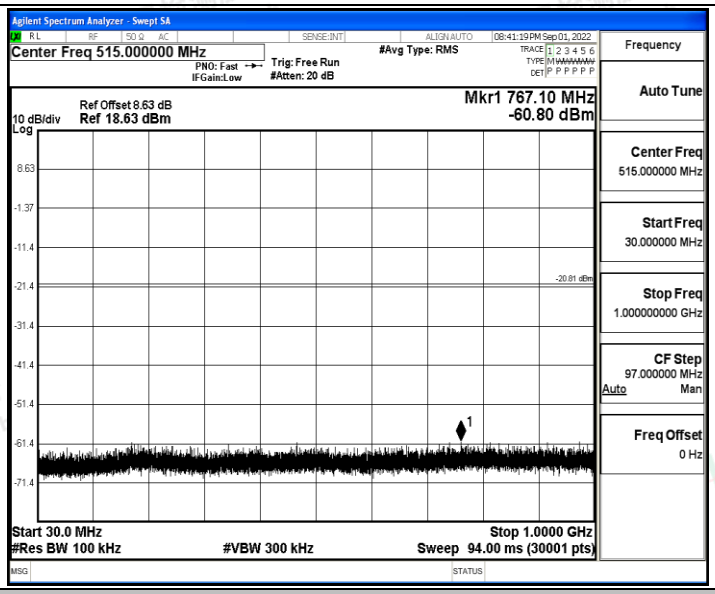
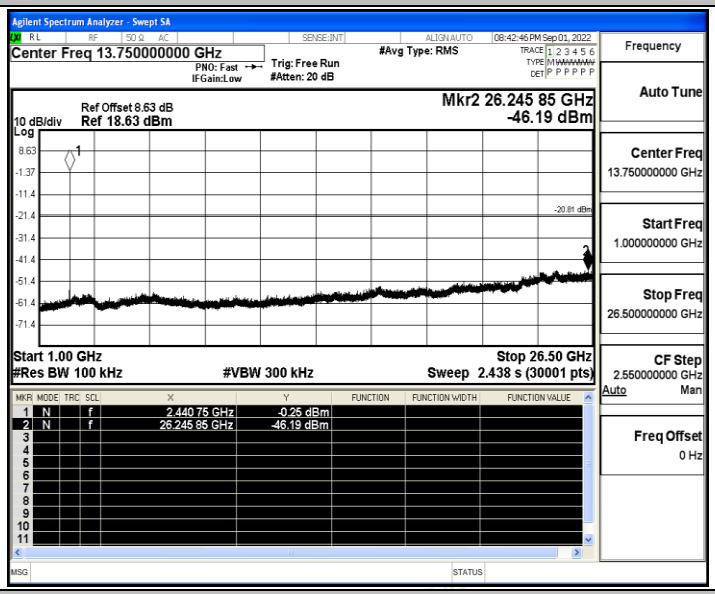
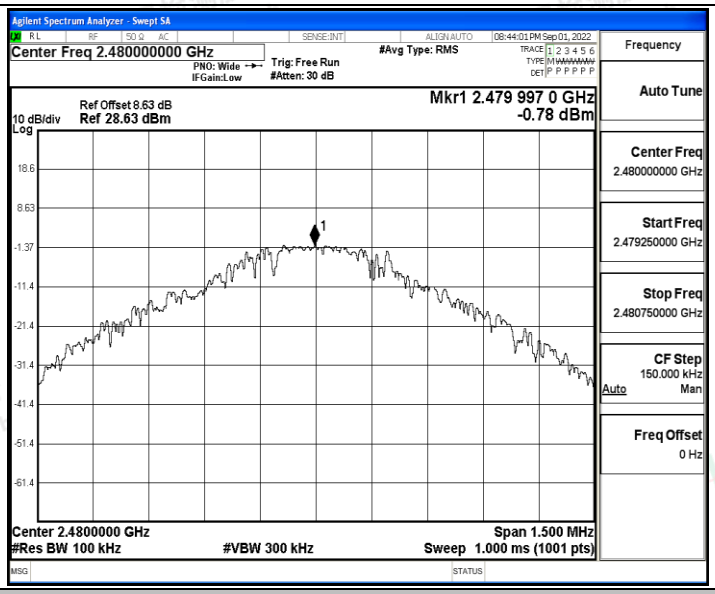


DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



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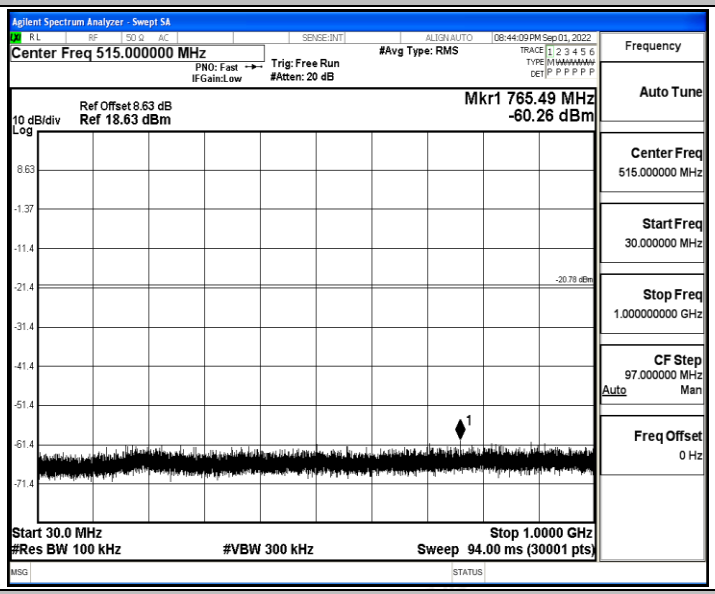

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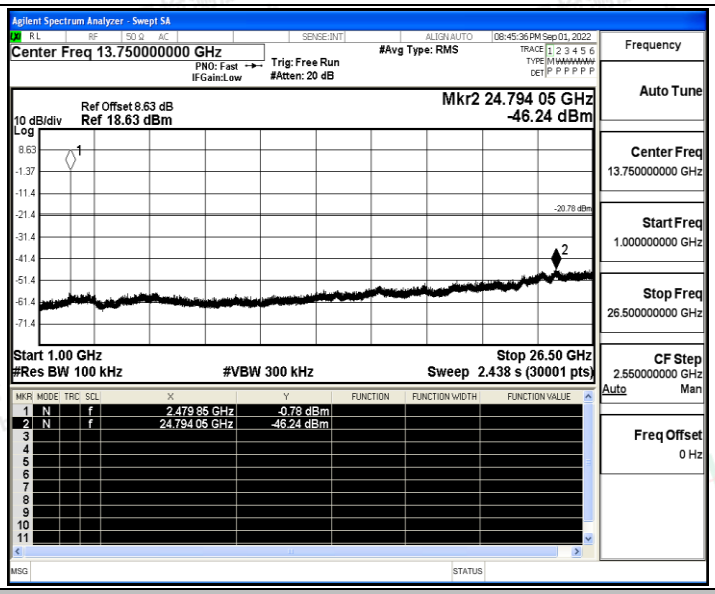
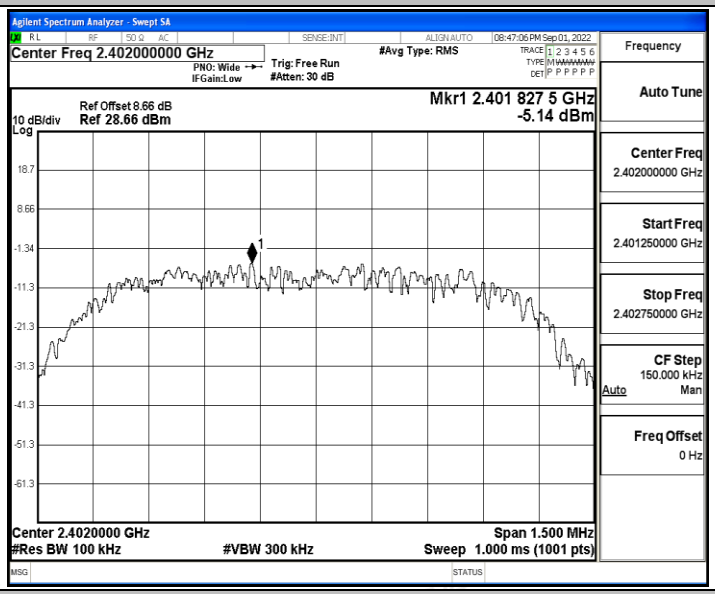


2DH5_Ant1_2402_0~Reference



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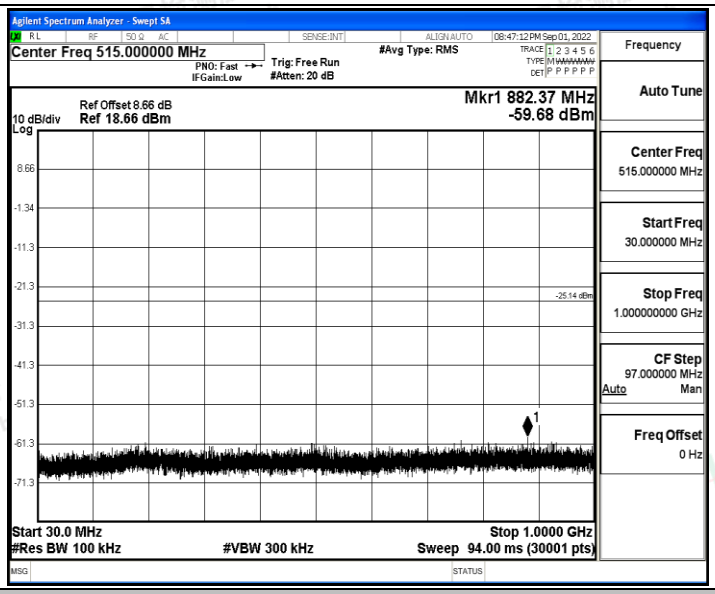

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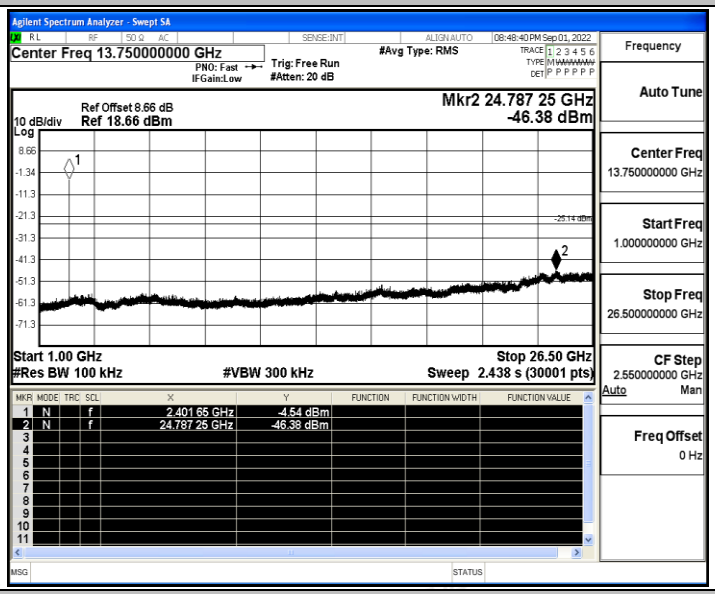

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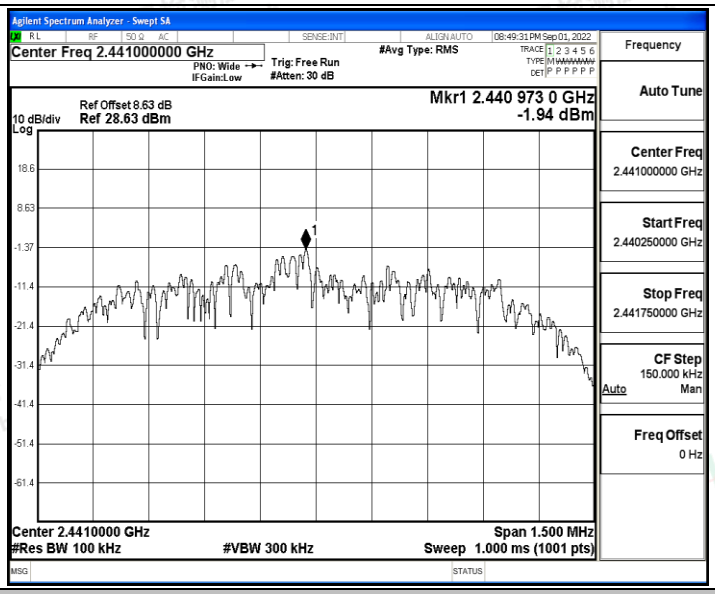

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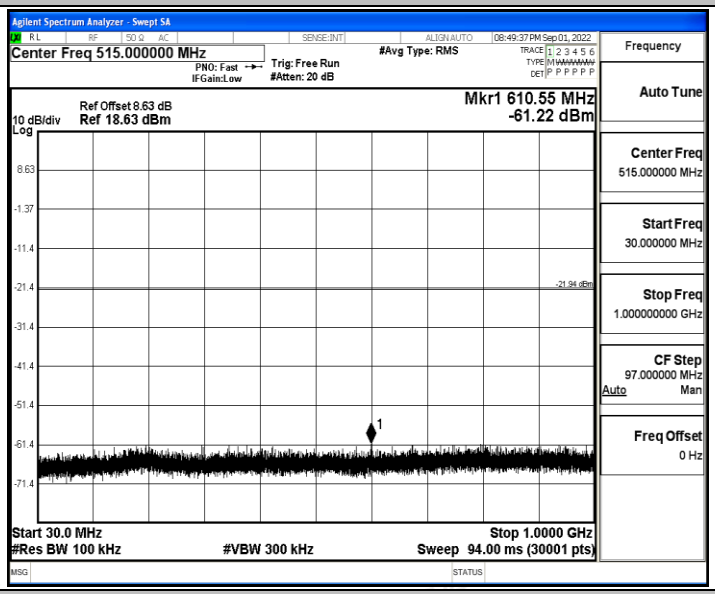

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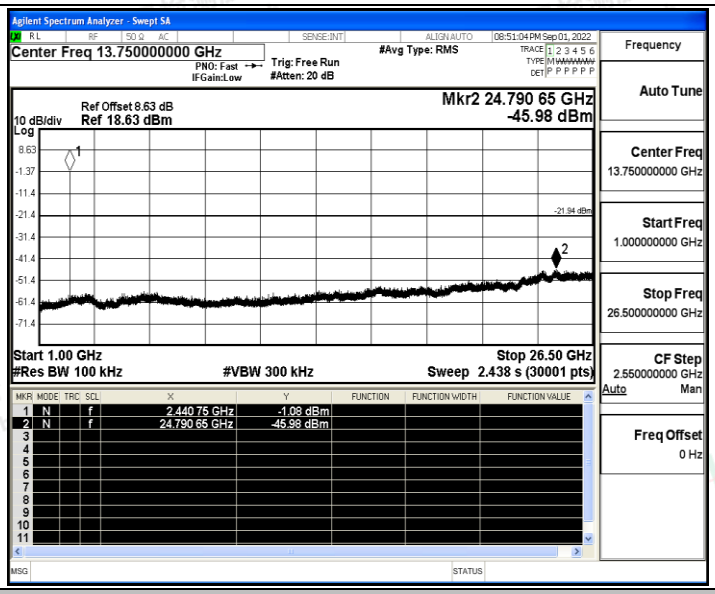

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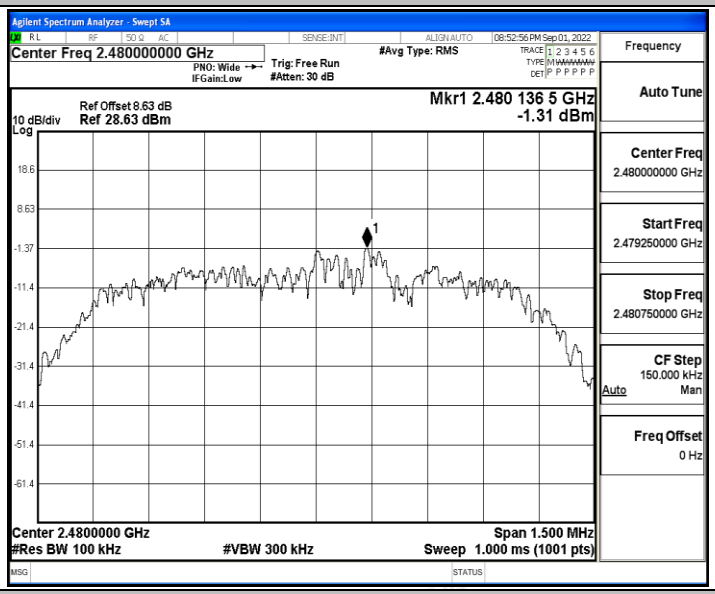

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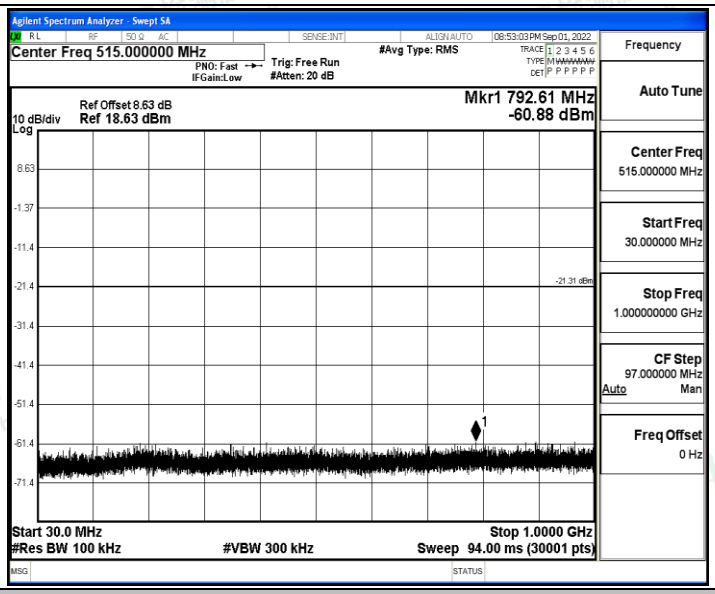

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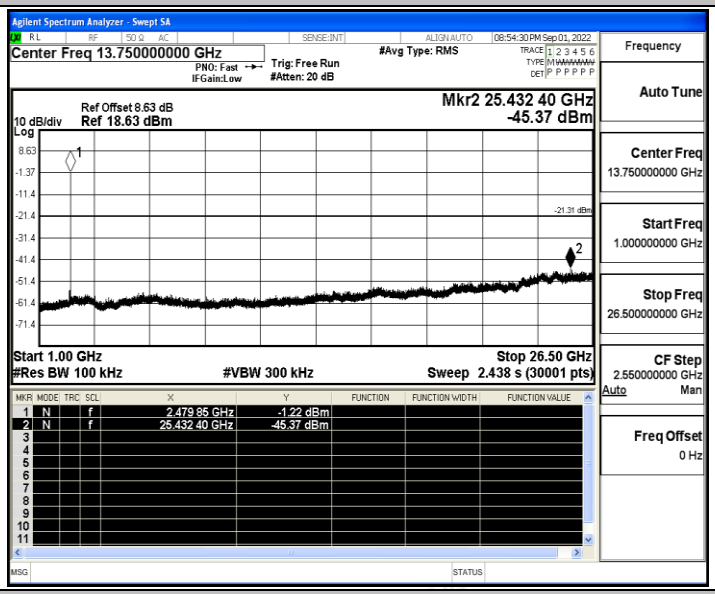
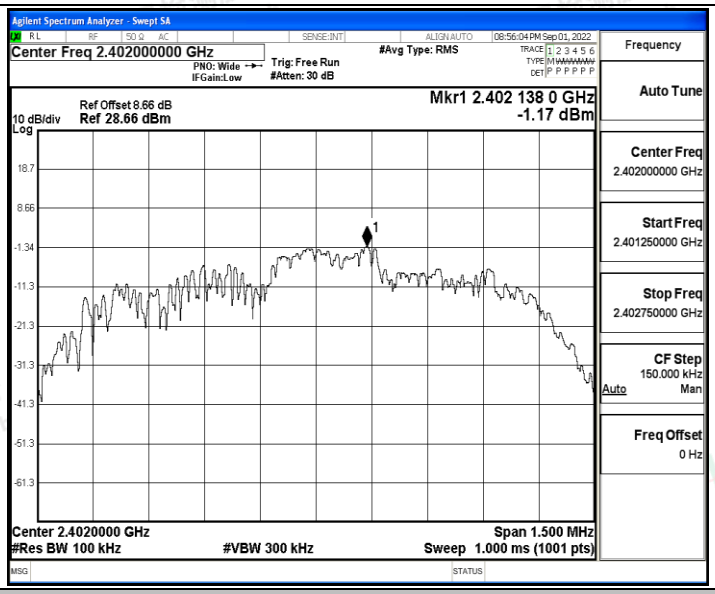


3DH5_Ant1_2402_0~Reference



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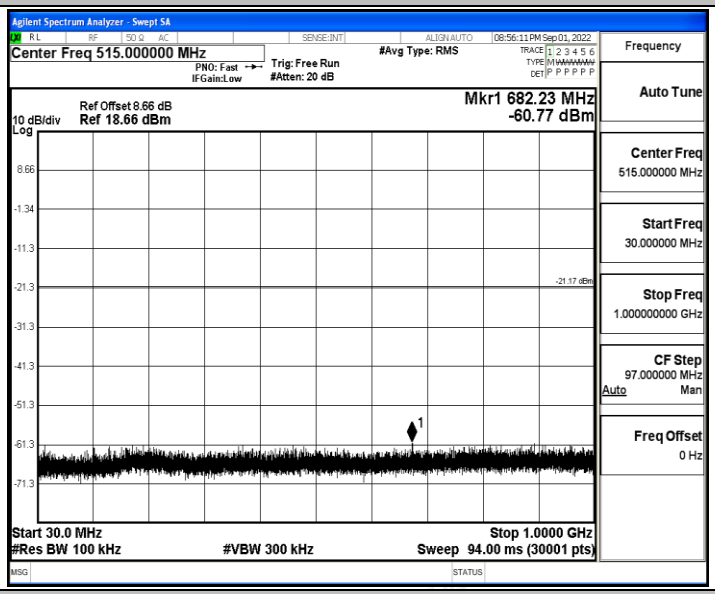

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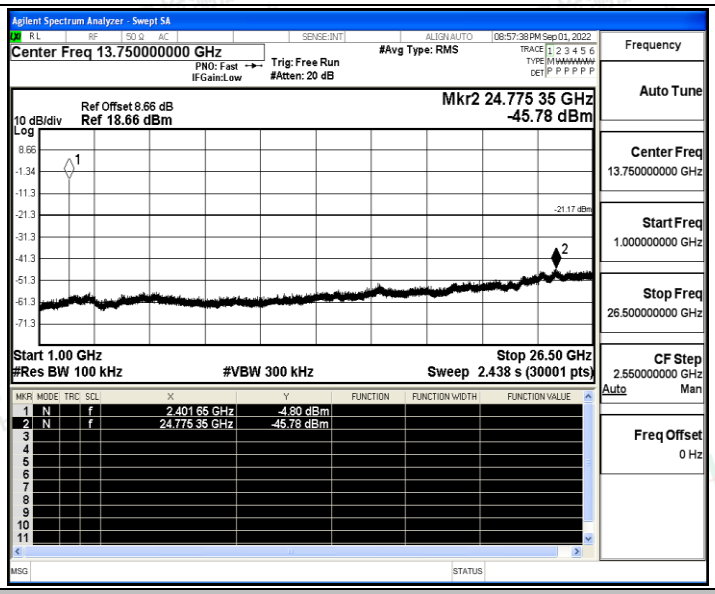
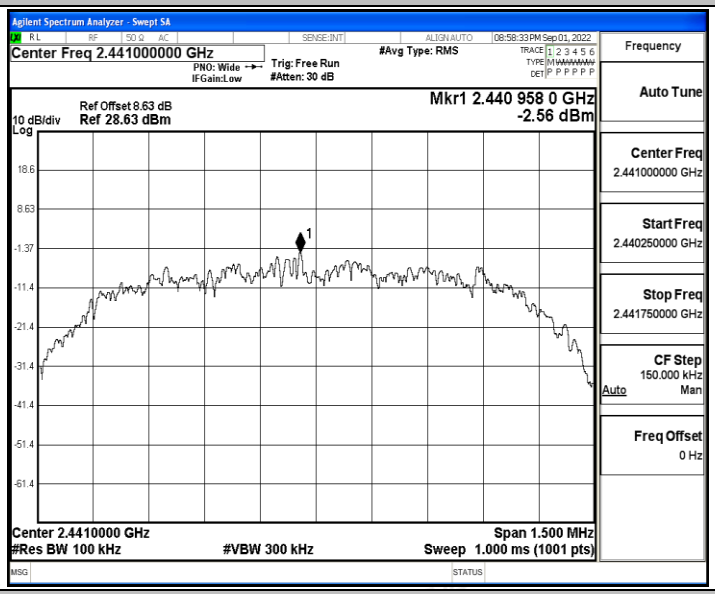


3DH5_Ant1_2441_0~Reference



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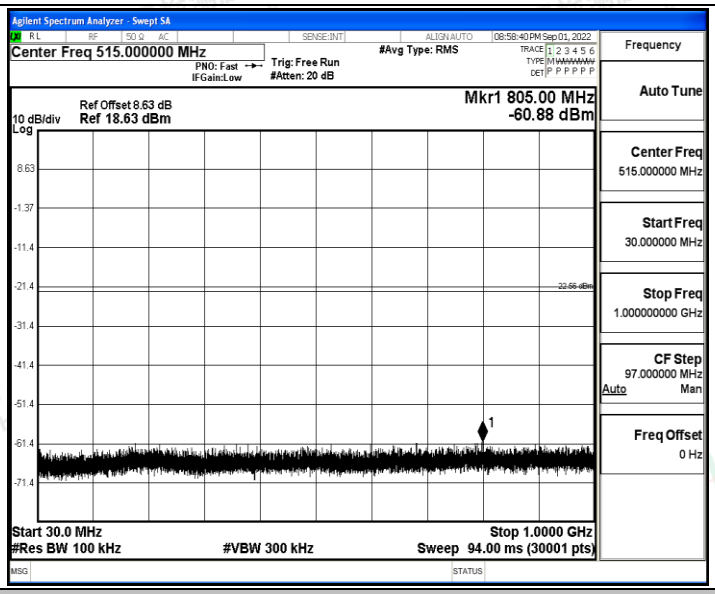

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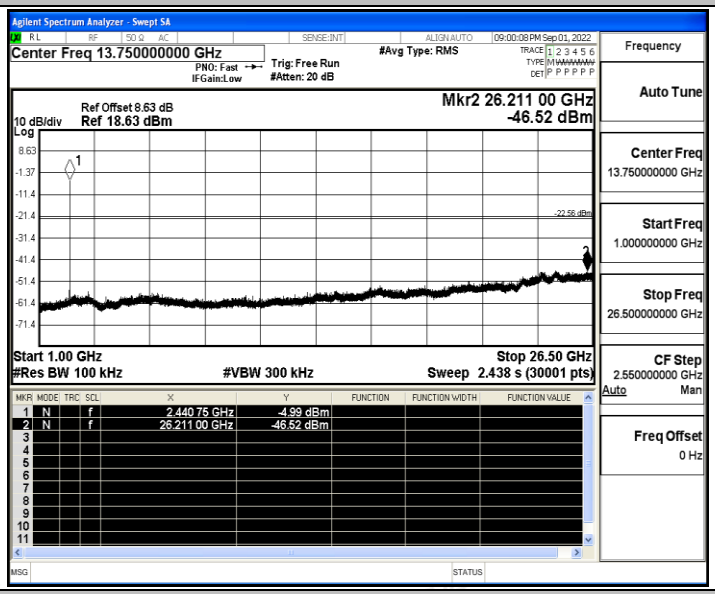

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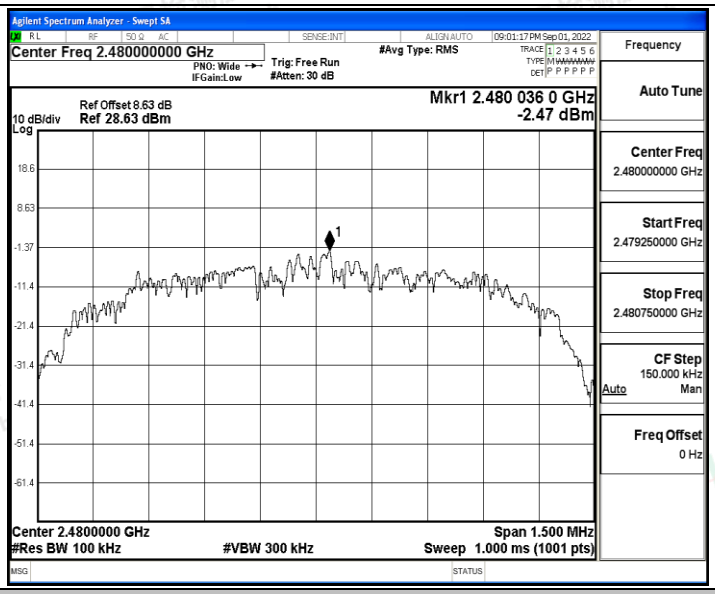

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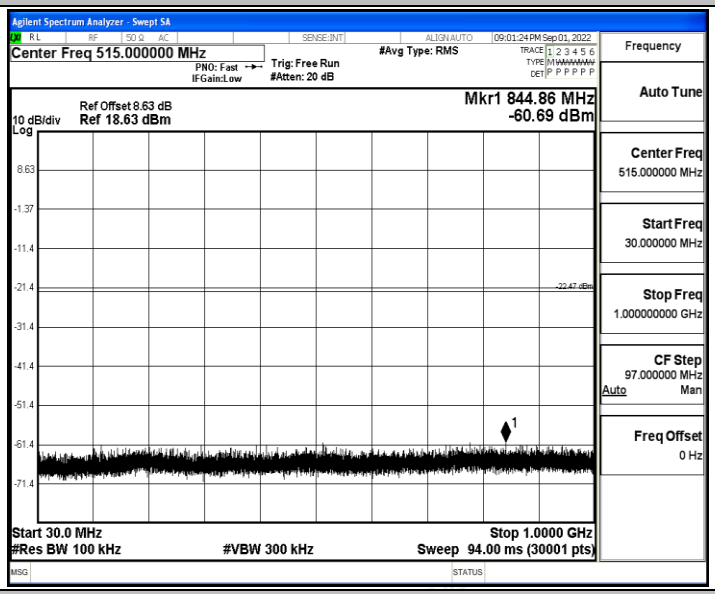
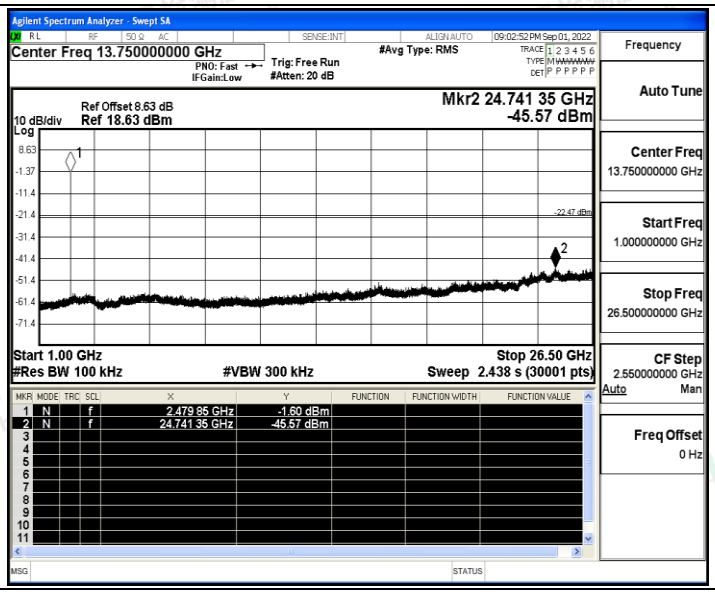


3DH5_Ant1_2480_1000~26500


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
09:02:52 PM Sep 01, 2022
Ref Offset 8.63 dB
10 dB/div Ref 18.63 dBm
Log
Mkr2 24.741 35 GHz
-45.57 dBm
-22.47 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
1 N f 2.479 85 GHz -1.60 dBm
2 N f 24.741 35 GHz -45.57 dBm
Frequency
Auto Tune
Center Freq 13.750000000 GHz
Start Freq 1.000000000 GHz
Stop Freq 26.500000000 GHz
CF Step 2.550000000 GHz
Auto Man
Freq Offset 0 Hz

A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-58.22	≤-41.20	36.98	≤54	PASS
				AV	2385.365	-57.6	≤-41.20	37.60	≤54	PASS
				AV	2390.000	-57.69	≤-41.20	37.51	≤54	PASS
				Peak	2310.000	-53.76	≤-21.20	41.44	≤74	PASS
				Peak	2321.420	-48.58	≤-21.20	46.62	≤74	PASS
				Peak	2390.000	-53.6	≤-21.20	41.60	≤74	PASS
		High	2480	AV	2483.500	-55.61	≤-41.20	39.59	≤54	PASS
				AV	2483.520	-55.61	≤-41.20	39.59	≤54	PASS
				AV	2500.000	-57.1	≤-41.20	38.10	≤54	PASS
				Peak	2483.500	-52.09	≤-21.20	43.11	≤74	PASS
				Peak	2495.680	-48.36	≤-21.20	46.84	≤74	PASS
				Peak	2500.000	-52.34	≤-21.20	42.86	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-49.68	≤-21.20	45.52	≤74	PASS
				Peak	2365.520	-47.55	≤-21.20	47.65	≤74	PASS
				Peak	2390.000	-50.05	≤-21.20	45.15	≤74	PASS
		High	Hop_2480	Peak	2483.500	-49.06	≤-21.20	46.14	≤74	PASS
				Peak	2497.440	-46.59	≤-21.20	48.61	≤74	PASS
				Peak	2500.000	-48.42	≤-21.20	46.78	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-58.12	≤-41.20	37.08	≤54	PASS
				AV	2382.950	-57.6	≤-41.20	37.60	≤54	PASS
				AV	2390.000	-57.85	≤-41.20	37.35	≤54	PASS
				Peak	2310.000	-52.5	≤-21.20	42.70	≤74	PASS
				Peak	2347.670	-47.17	≤-21.20	48.03	≤74	PASS
				Peak	2390.000	-52.58	≤-21.20	42.62	≤74	PASS
		High	2480	AV	2483.500	-55.12	≤-41.20	40.08	≤54	PASS
				AV	2483.520	-55.12	≤-41.20	40.08	≤54	PASS
				AV	2500.000	-57.23	≤-41.20	37.97	≤54	PASS
				Peak	2483.500	-50.26	≤-21.20	44.94	≤74	PASS
				Peak	2484.800	-48.11	≤-21.20	47.09	≤74	PASS
				Peak	2500.000	-48.43	≤-21.20	46.77	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-49.93	≤-21.20	45.27	≤74	PASS
				Peak	2335.280	-47.44	≤-21.20	47.76	≤74	PASS
				Peak	2390.000	-49.93	≤-21.20	45.27	≤74	PASS

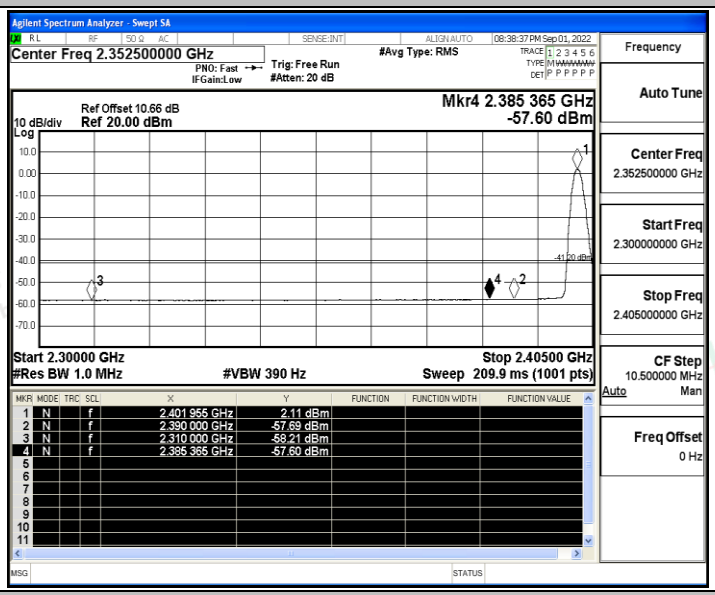
		High	Hop_2480	Peak	2483.500	-48.45	≤-21.20	46.75	≤74	PASS
				Peak	2497.920	-46.97	≤-21.20	48.23	≤74	PASS
				Peak	2500.000	-48.87	≤-21.20	46.33	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-58.15	≤-41.20	37.05	≤54	PASS
				AV	2388.515	-57.58	≤-41.20	37.62	≤54	PASS
				AV	2390.000	-57.74	≤-41.20	37.46	≤54	PASS
				Peak	2310.000	-51.7	≤-21.20	43.50	≤74	PASS
				Peak	2346.200	-48.54	≤-21.20	46.66	≤74	PASS
				Peak	2390.000	-52.29	≤-21.20	42.91	≤74	PASS
		High	2480	AV	2483.500	-55.16	≤-41.20	40.04	≤54	PASS
				AV	2483.520	-55.16	≤-41.20	40.04	≤54	PASS
				AV	2500.000	-57.3	≤-41.20	37.90	≤54	PASS
				Peak	2483.500	-50.18	≤-21.20	45.02	≤74	PASS
				Peak	2494.000	-48.03	≤-21.20	47.17	≤74	PASS
				Peak	2500.000	-52.75	≤-21.20	42.45	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-49.98	≤-21.20	45.22	≤74	PASS
				Peak	2377.700	-47.36	≤-21.20	47.84	≤74	PASS
				Peak	2390.000	-48.14	≤-21.20	47.06	≤74	PASS
		High	Hop_2480	Peak	2483.500	-50	≤-21.20	45.20	≤74	PASS
				Peak	2499.680	-45.85	≤-21.20	49.35	≤74	PASS
				Peak	2500.000	-48.57	≤-21.20	46.63	≤74	PASS

Note：

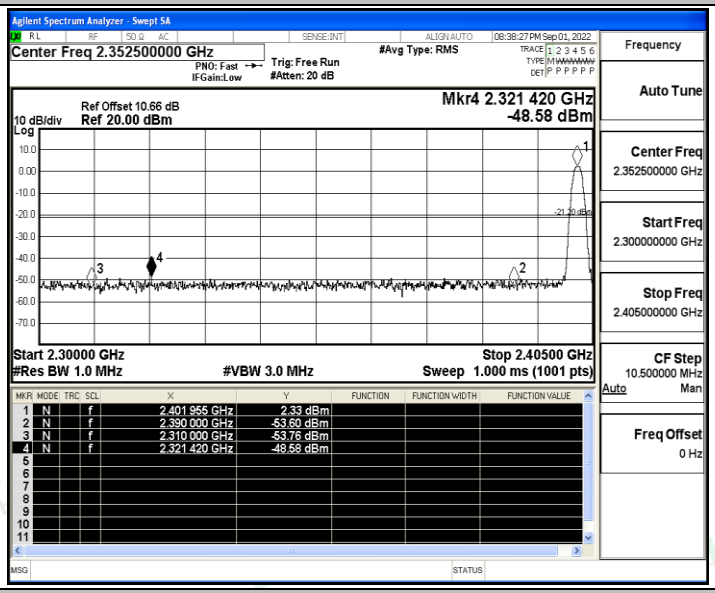
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

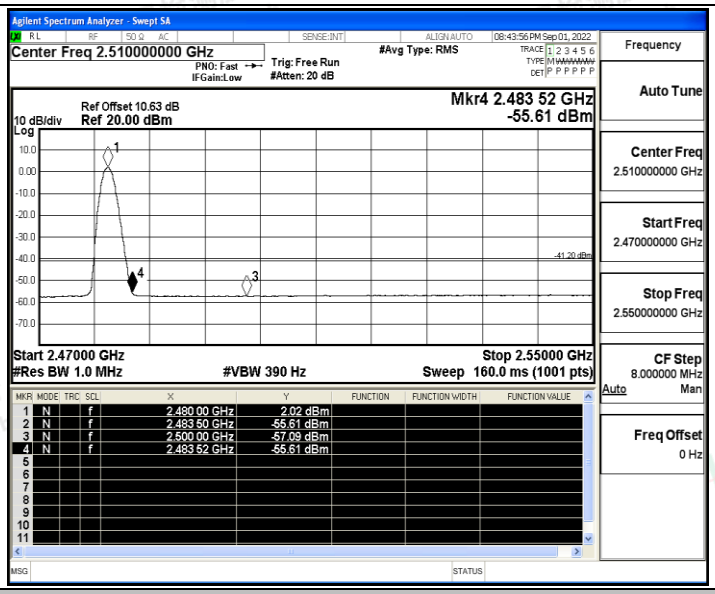
DH5_Ant1_Low_2402_AV



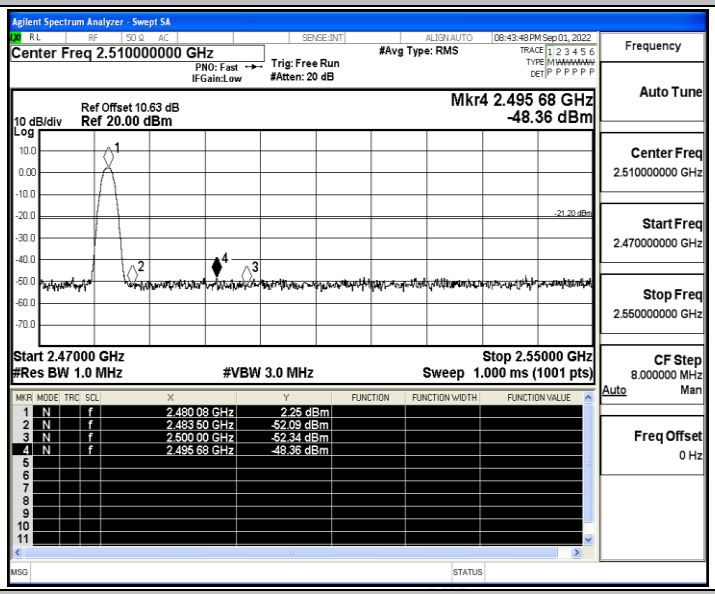
DH5_Ant1_Low_2402_Peak



DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak



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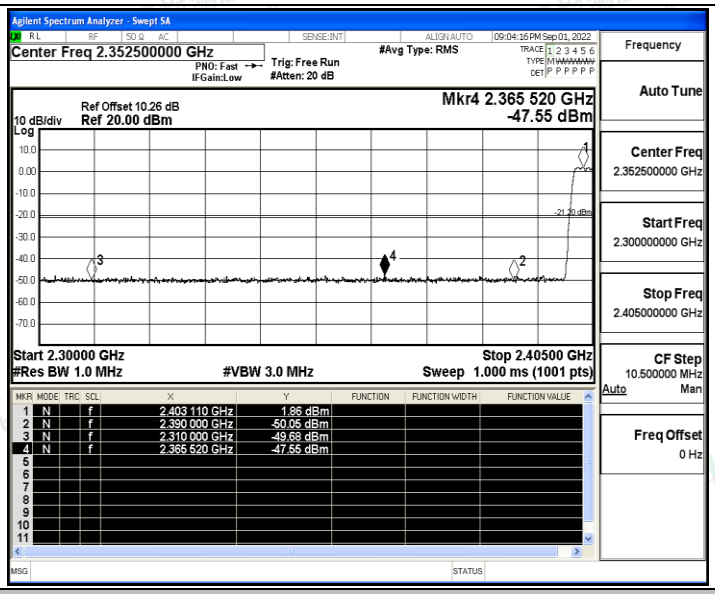

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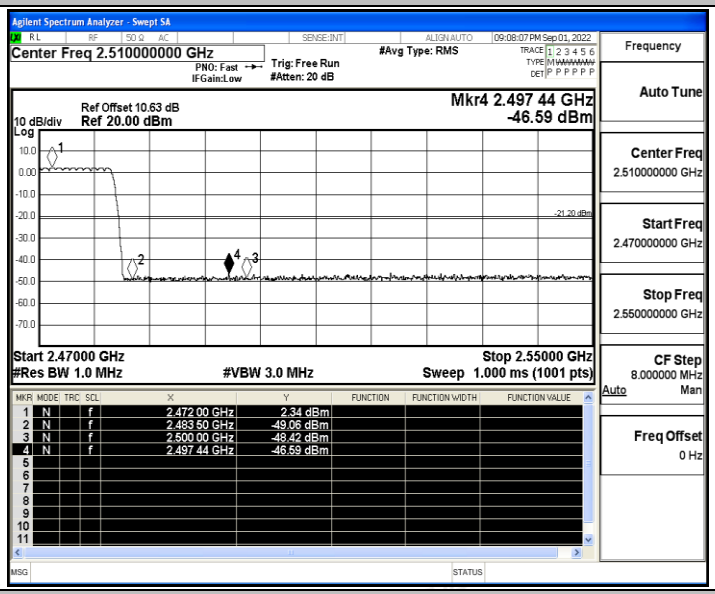

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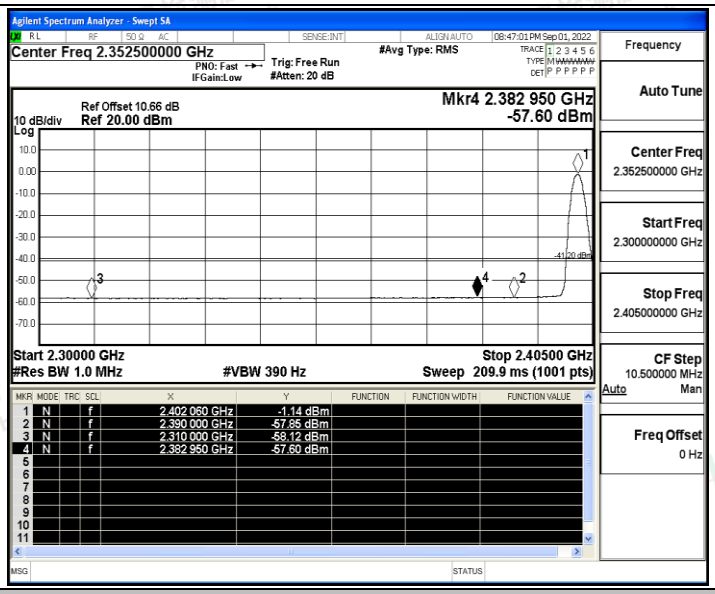
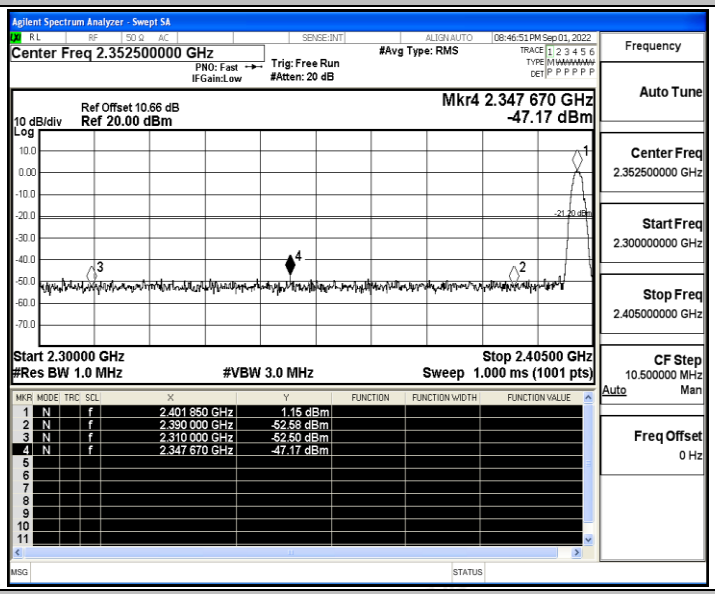


2DH5_Ant1_Low_2402_Peak



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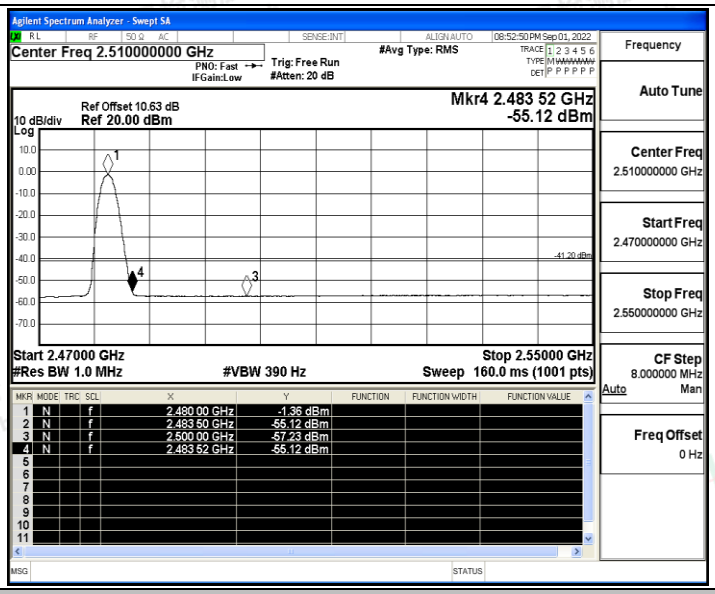
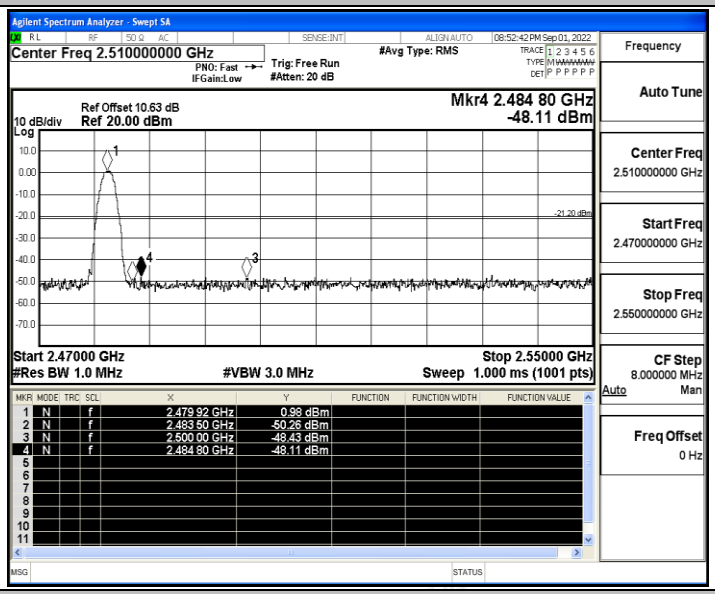


2DH5_Ant1_High_2480_Peak



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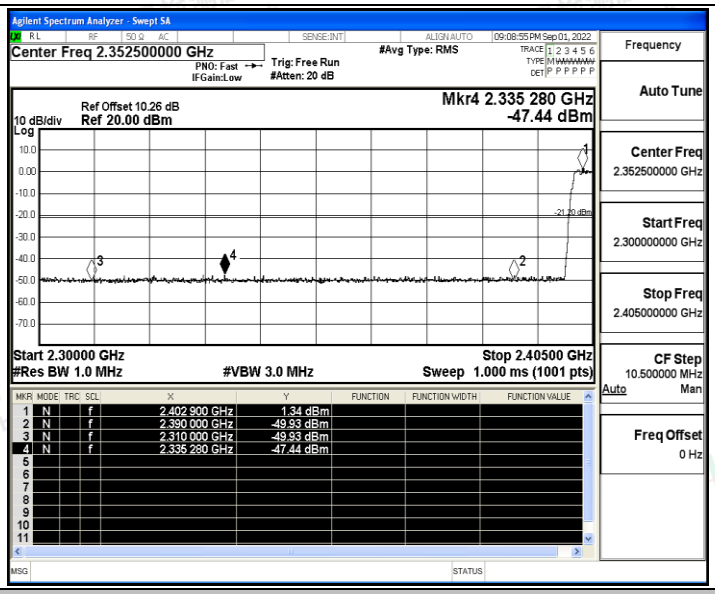
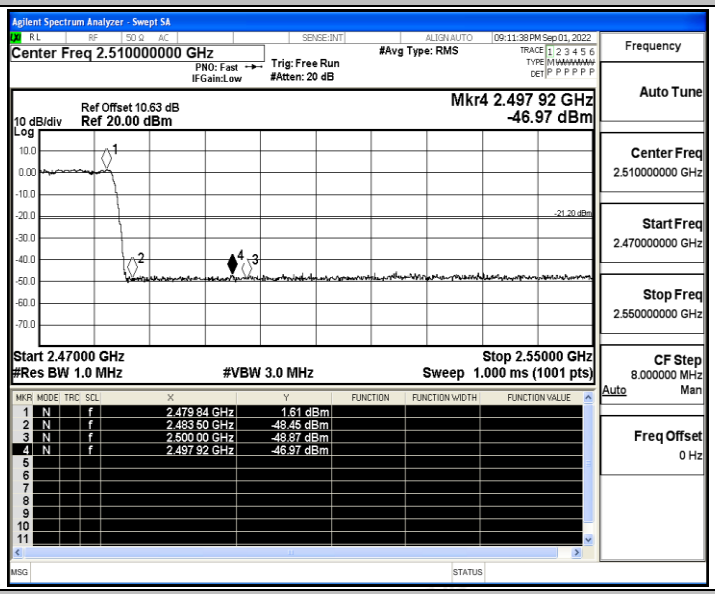
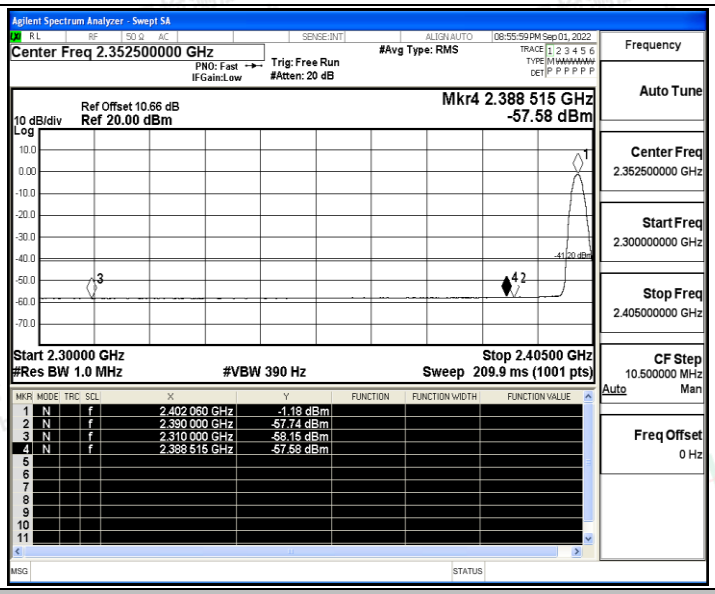


2DH5_Ant1_High_Hop_2480_Peak



3DH5_Ant1_Low_2402_AV



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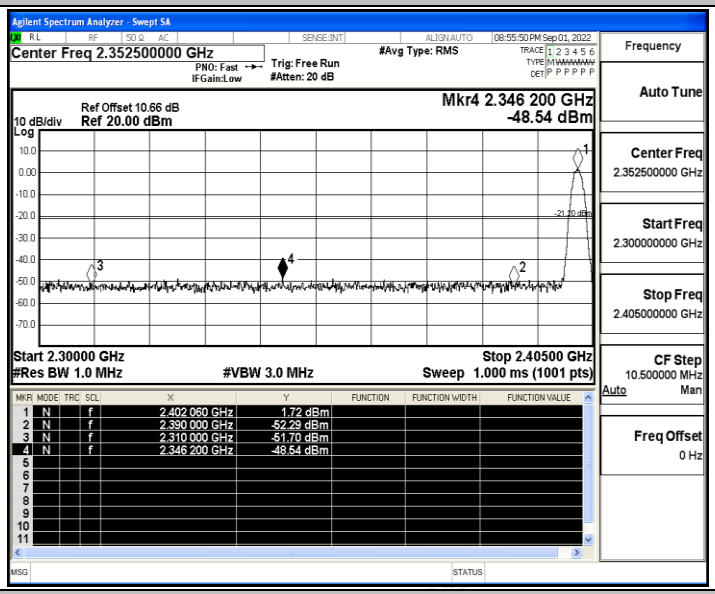

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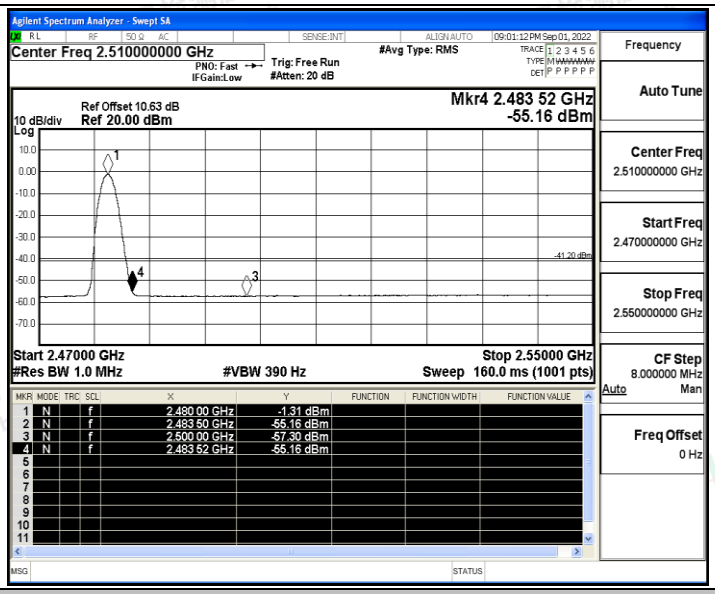

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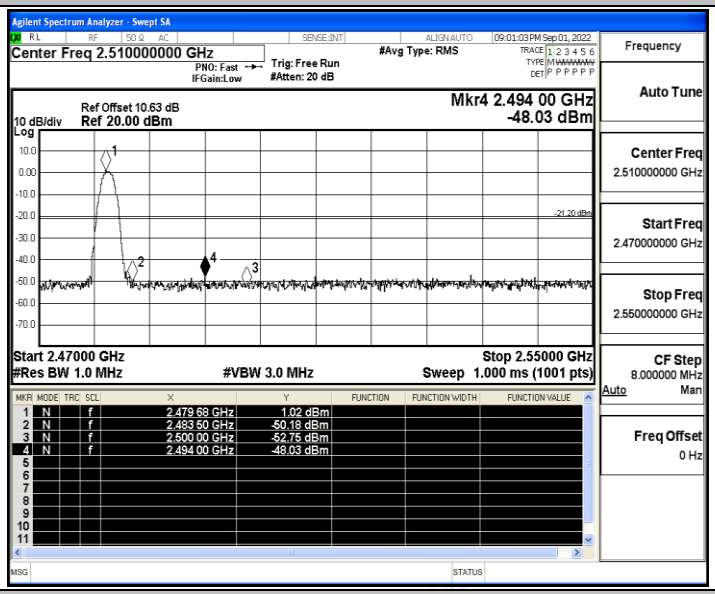

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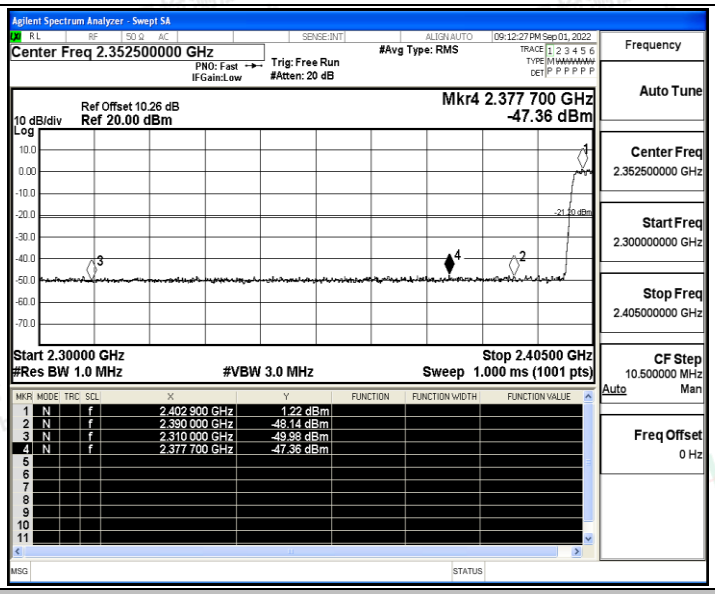
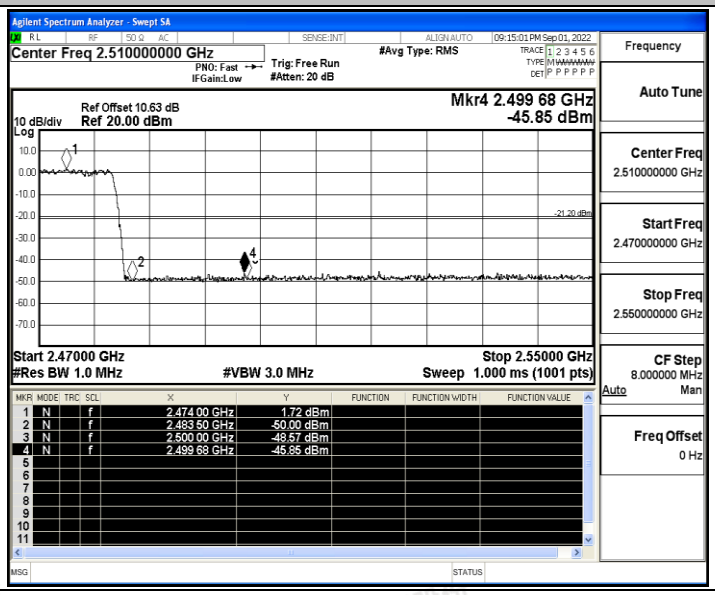
3DH5_Ant1_High_Hop_2480_Peak