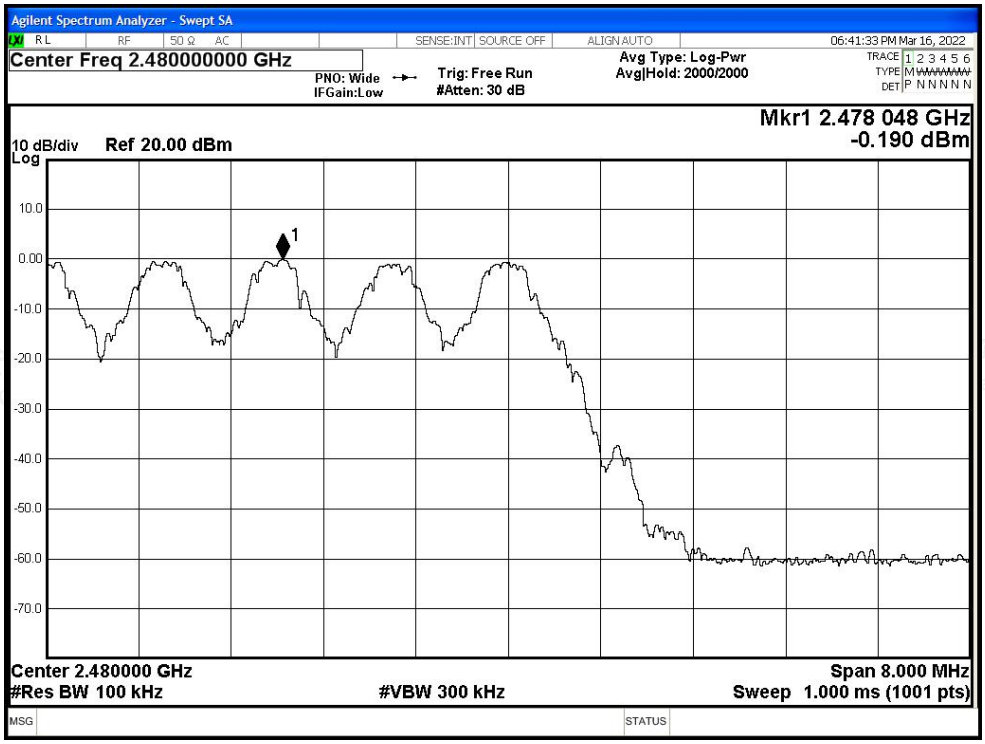
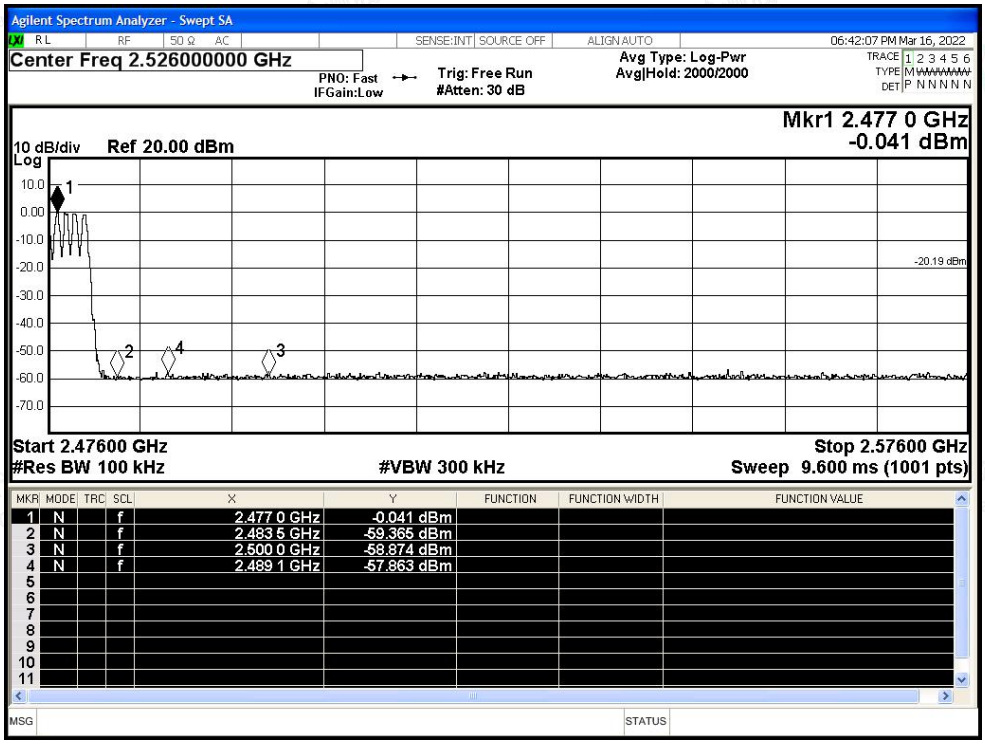
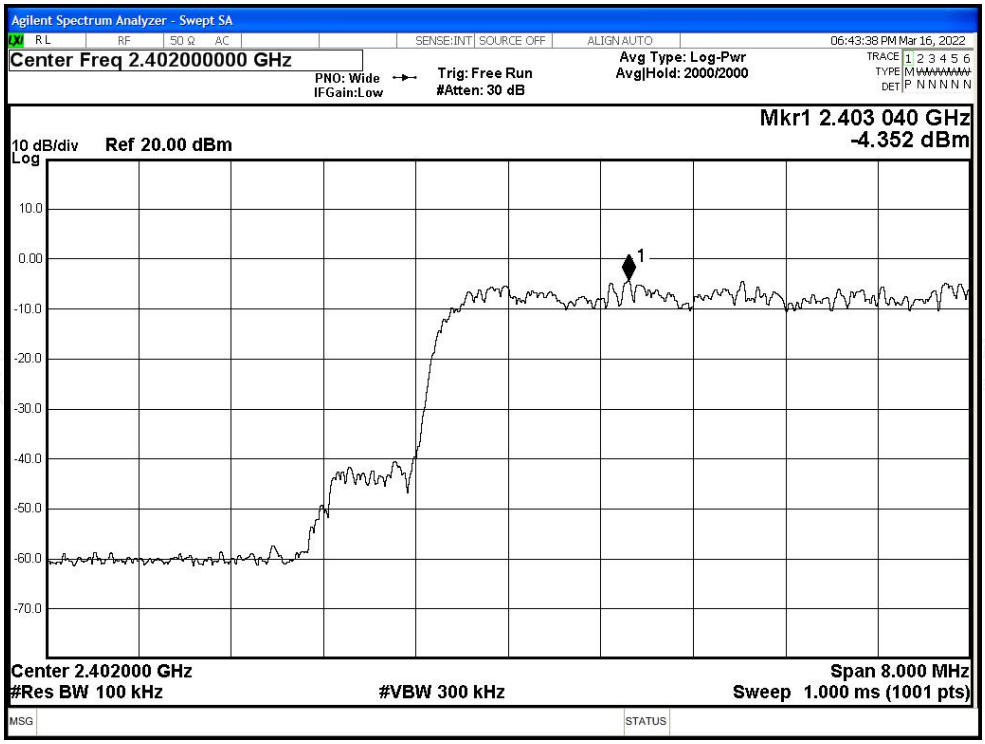
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



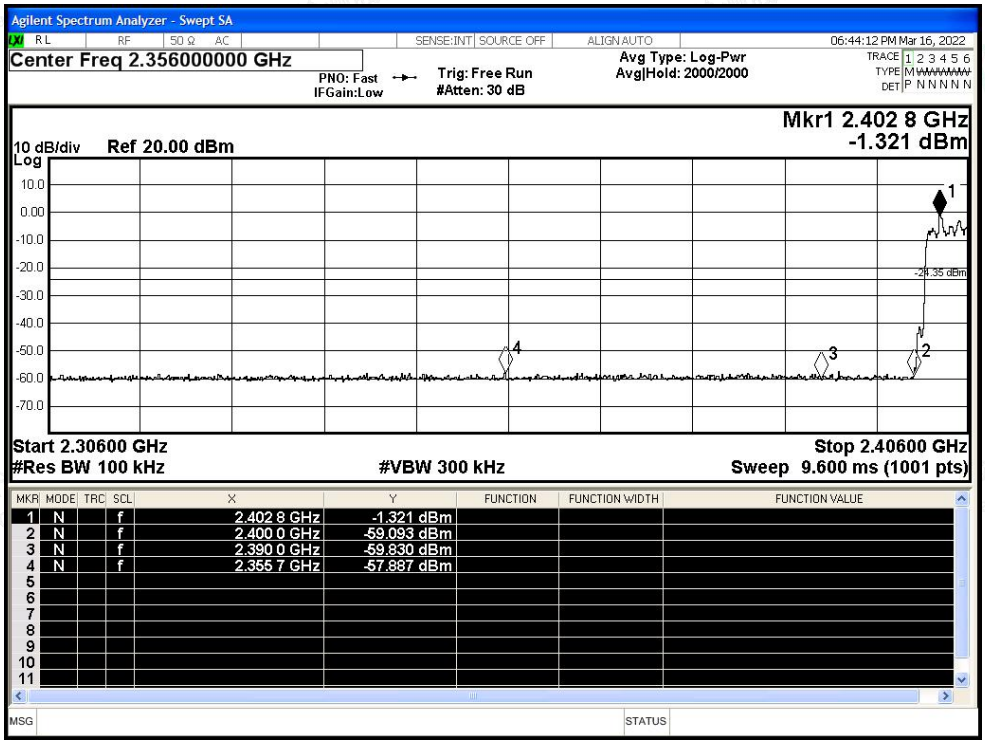
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



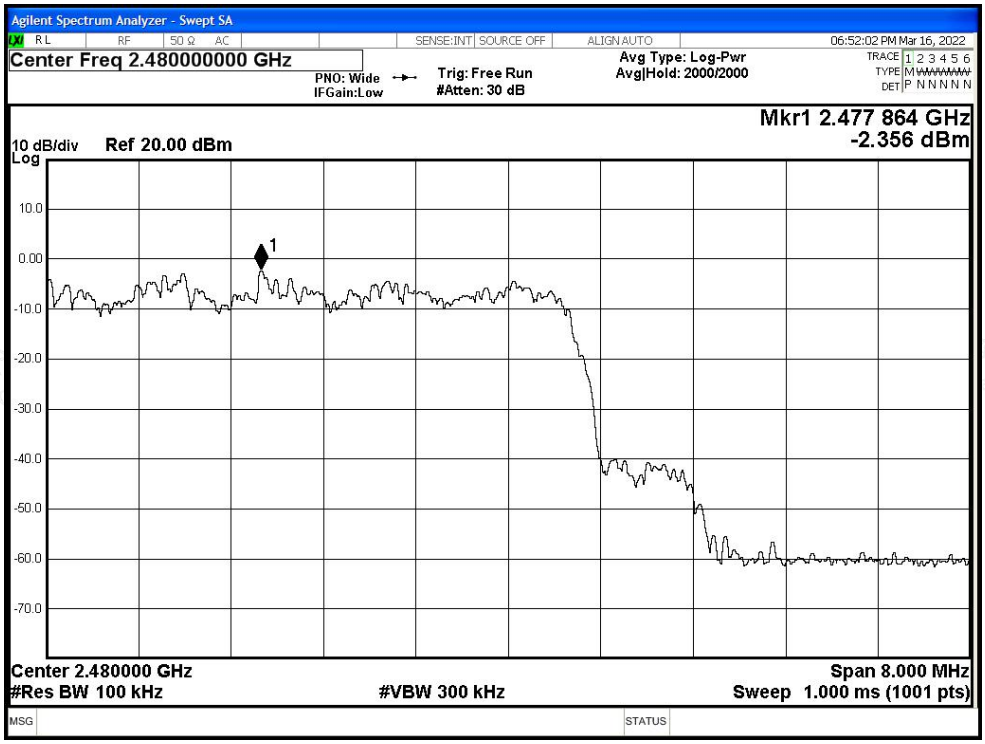
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



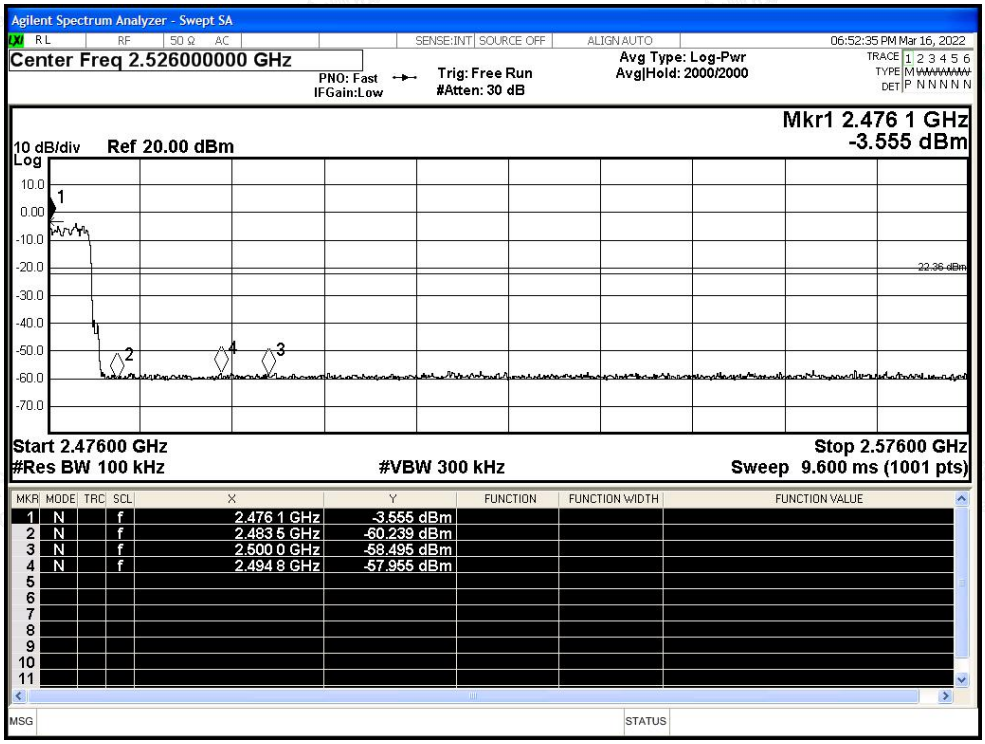
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



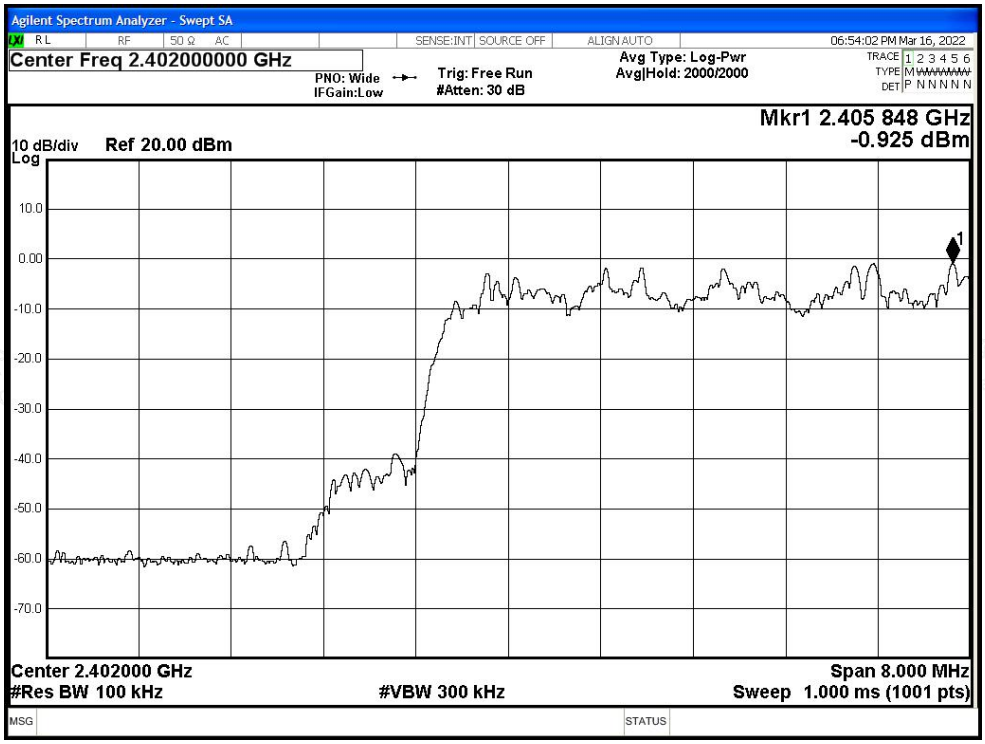
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



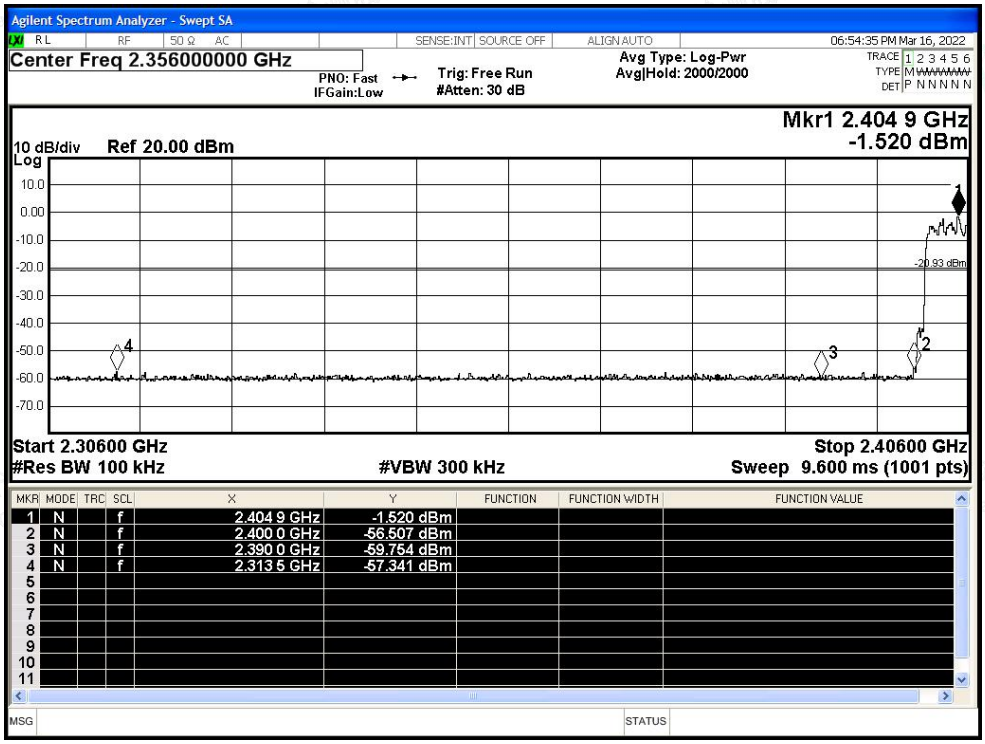
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



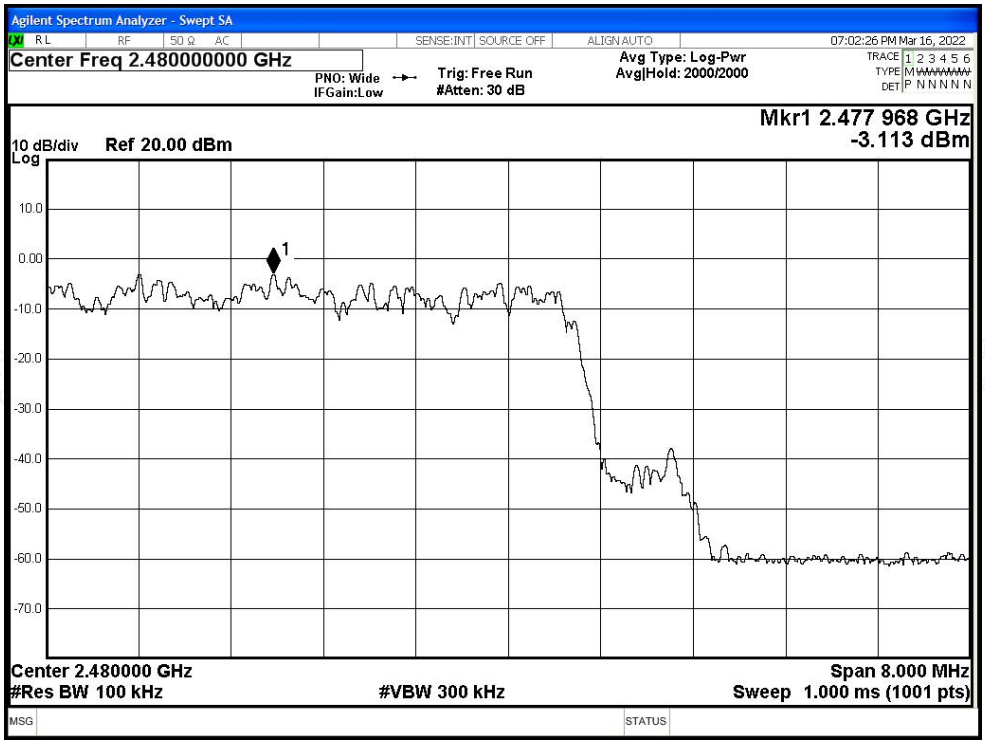
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



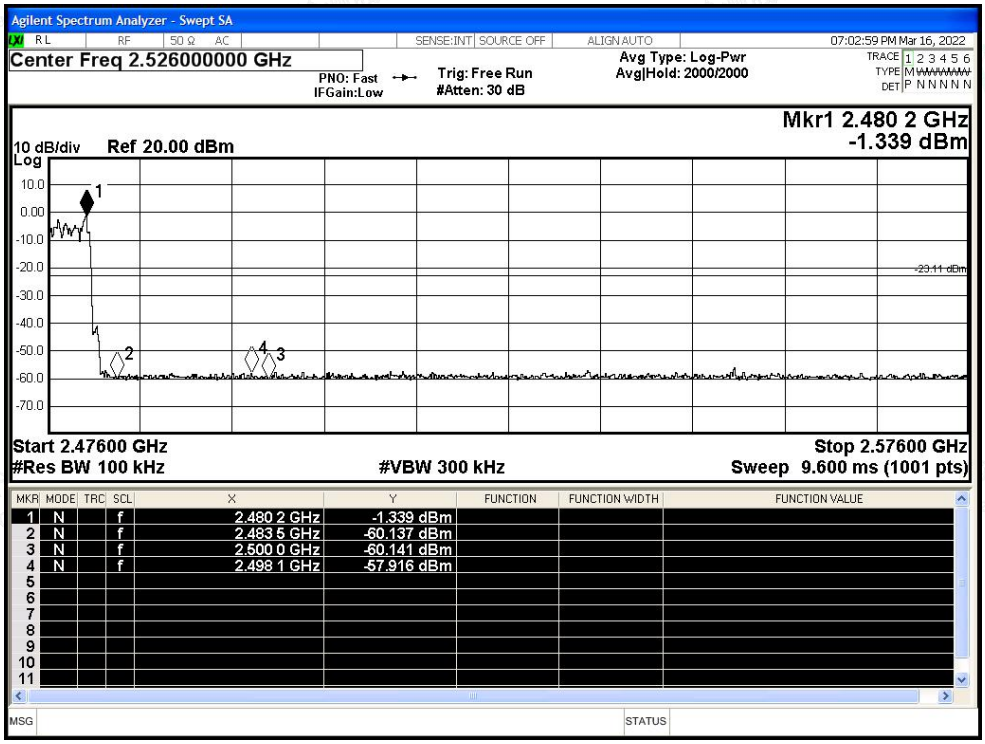
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission



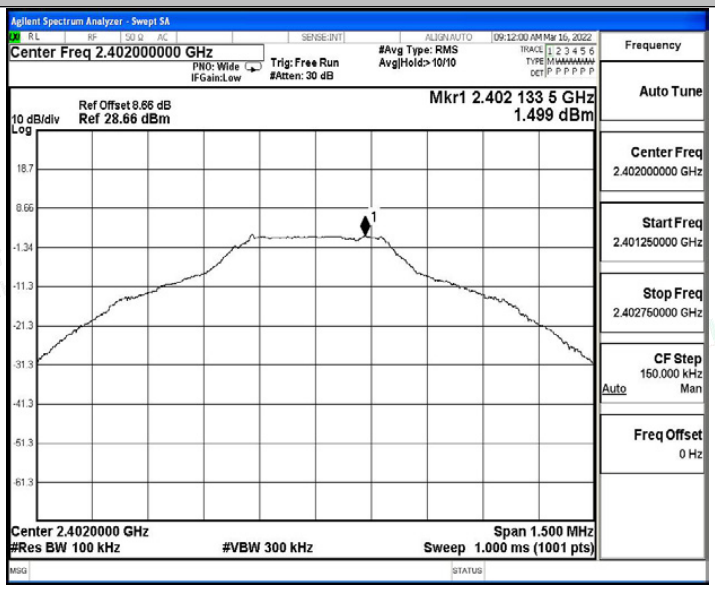
A.7 Conducted Spurious Emission

Test Result

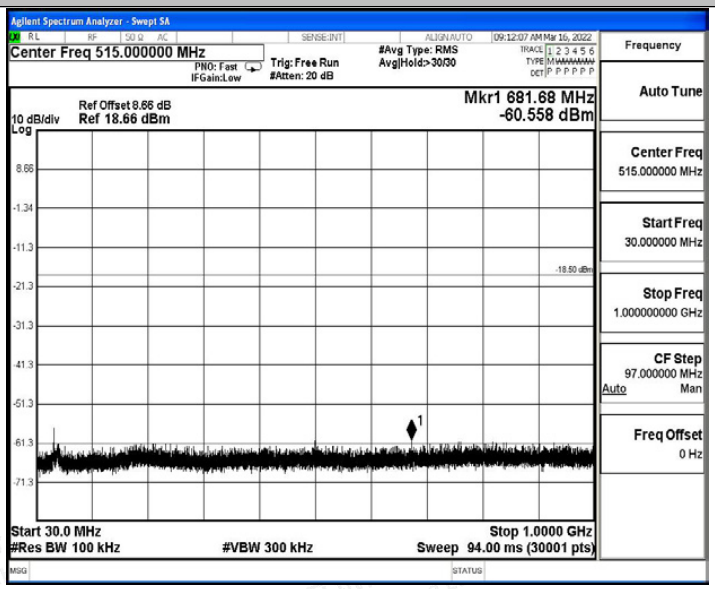
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-60.56	≤-18.5	PASS
			1000~26500	1.50	-46.36	≤-18.5	PASS
		2441	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-60.73	≤-17.65	PASS
			1000~26500	2.35	-45.77	≤-17.65	PASS
		2480	Reference	2.06	2.06	---	PASS
			30~1000	2.06	-60.56	≤-17.94	PASS
			1000~26500	2.06	-46.19	≤-17.94	PASS
2DH5	Ant1	2402	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-59.4	≤-19.02	PASS
			1000~26500	0.98	-45.91	≤-19.02	PASS
		2441	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-60.41	≤-18.57	PASS
			1000~26500	1.43	-44.52	≤-18.57	PASS
		2480	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-59.93	≤-18.82	PASS
			1000~26500	1.18	-46.38	≤-18.82	PASS
3DH5	Ant1	2402	Reference	1.03	1.03	---	PASS
			30~1000	1.03	-58.84	≤-18.97	PASS
			1000~26500	1.03	-45.45	≤-18.97	PASS
		2441	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-59.46	≤-18.49	PASS
			1000~26500	1.51	-46.81	≤-18.49	PASS
		2480	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-60.19	≤-18.79	PASS
			1000~26500	1.21	-46.23	≤-18.79	PASS

Test Graphs

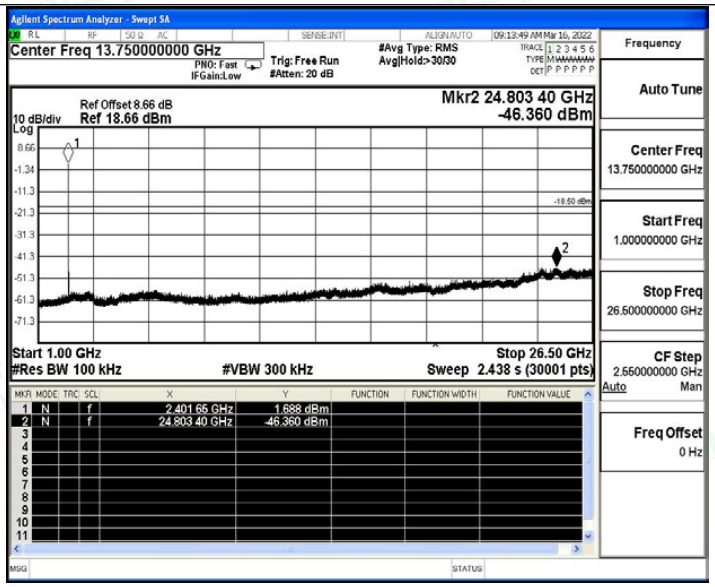
DH5_Ant1_2402_0~Reference



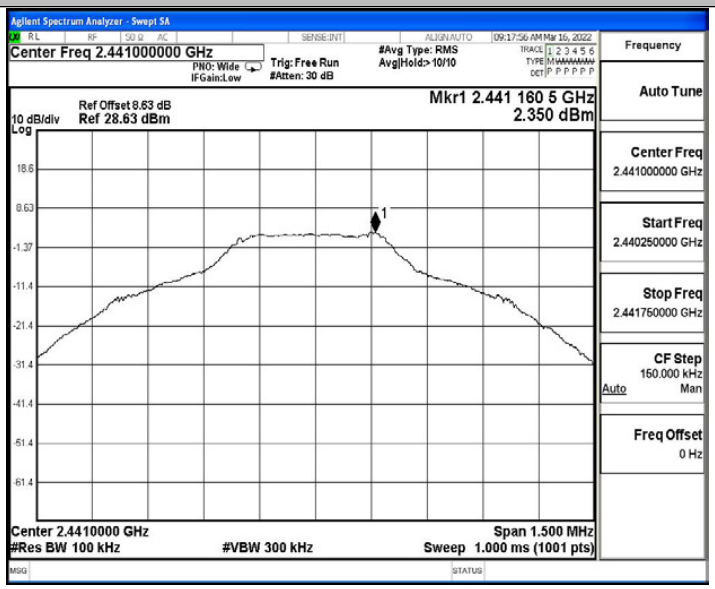
DH5_Ant1_2402_30~1000



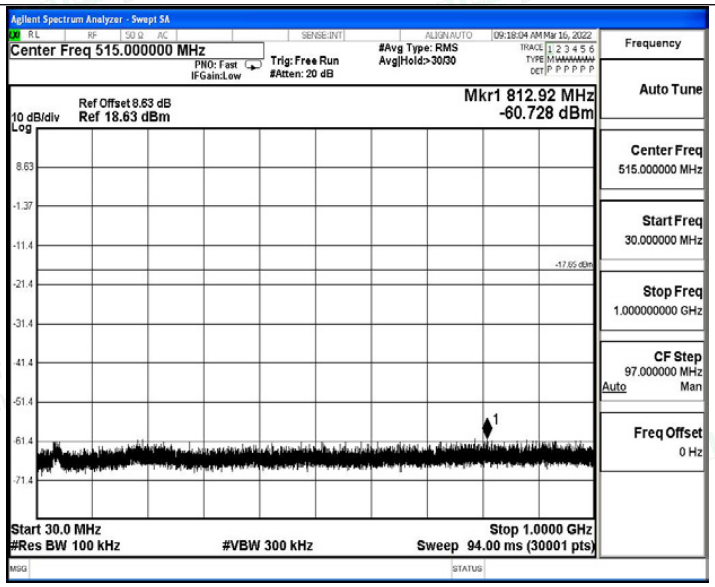
DH5_Ant1_2402_1000~26500



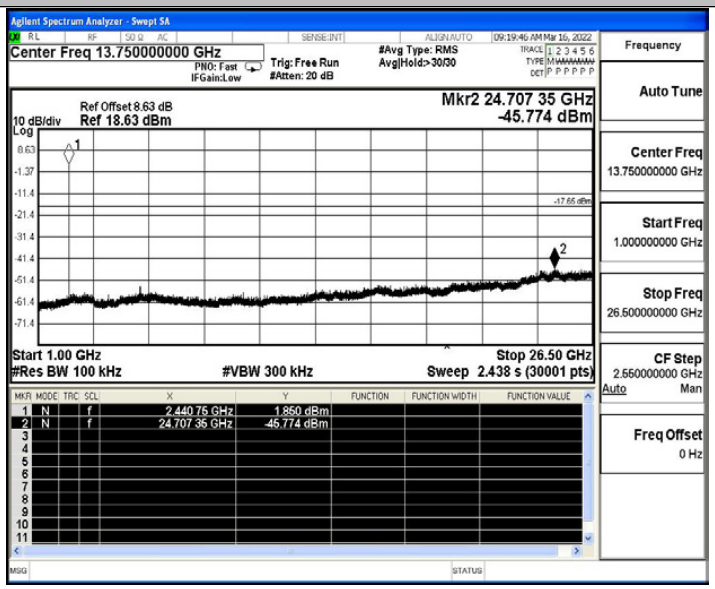
DH5_Ant1_2441_0~Reference



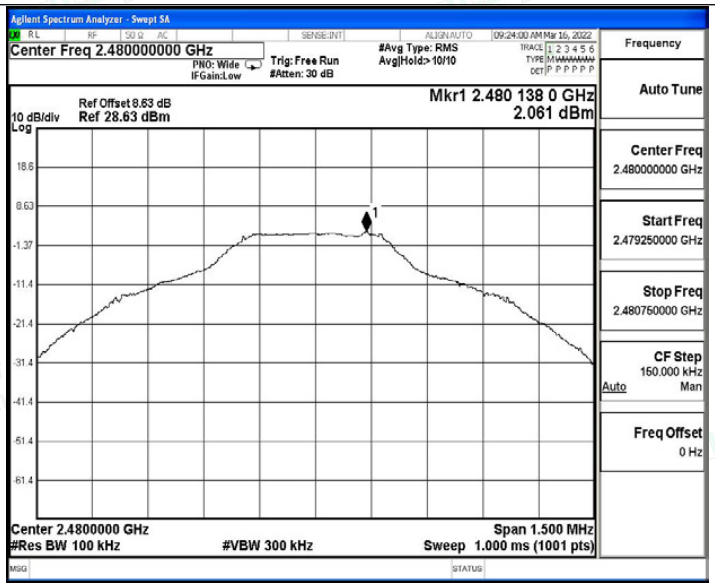
DH5_Ant1_2441_30~1000



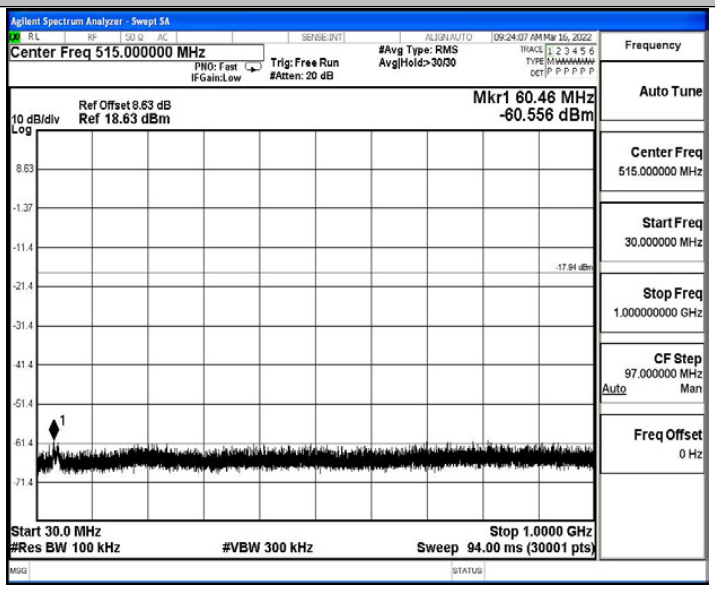
DH5_Ant1_2441_1000~26500



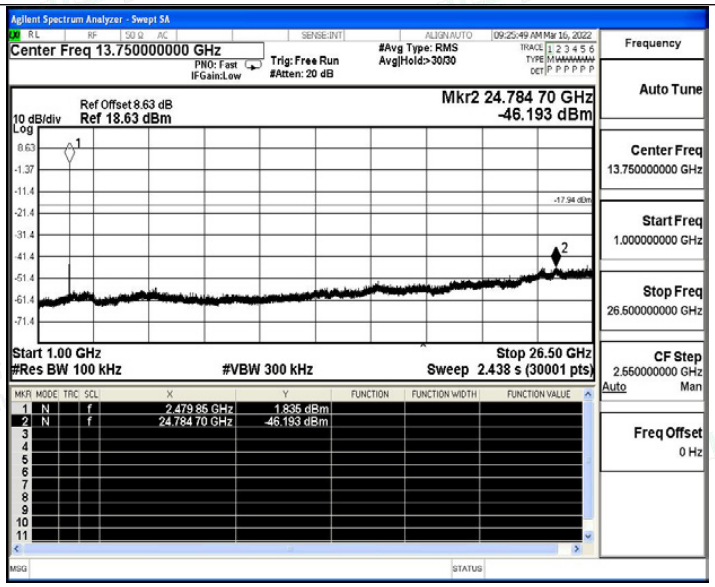
DH5_Ant1_2480_0~Reference



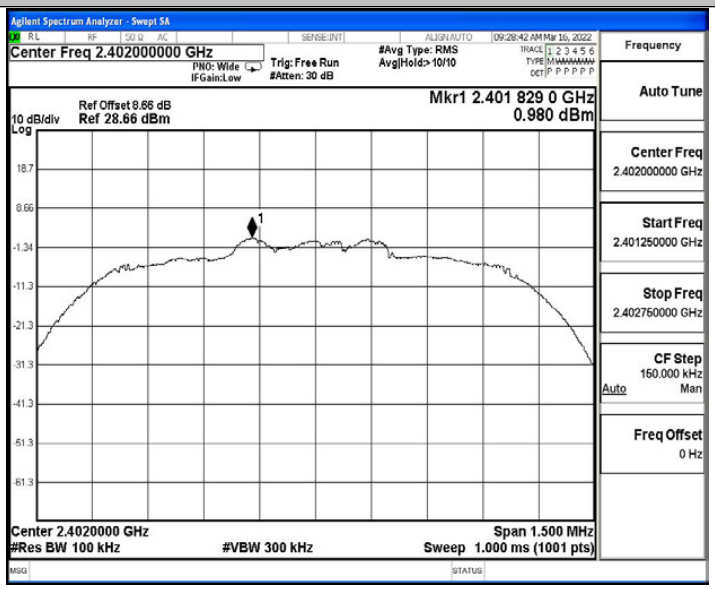
DH5_Ant1_2480_30~1000



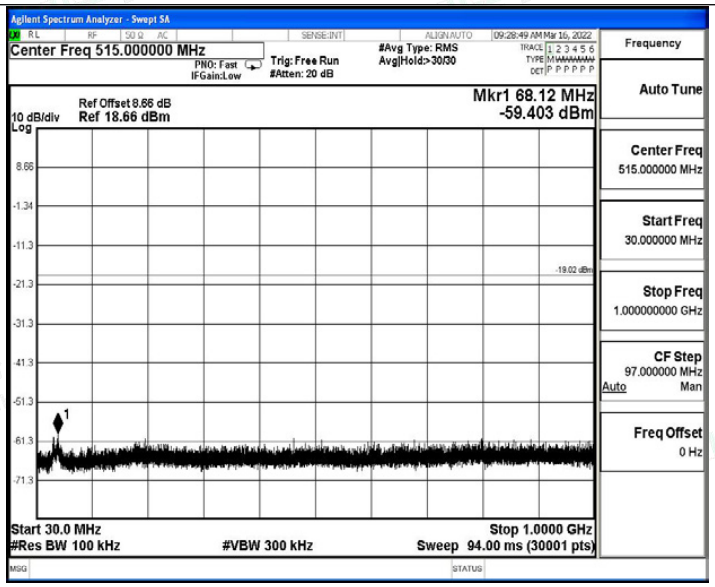
DH5_Ant1_2480_1000~26500



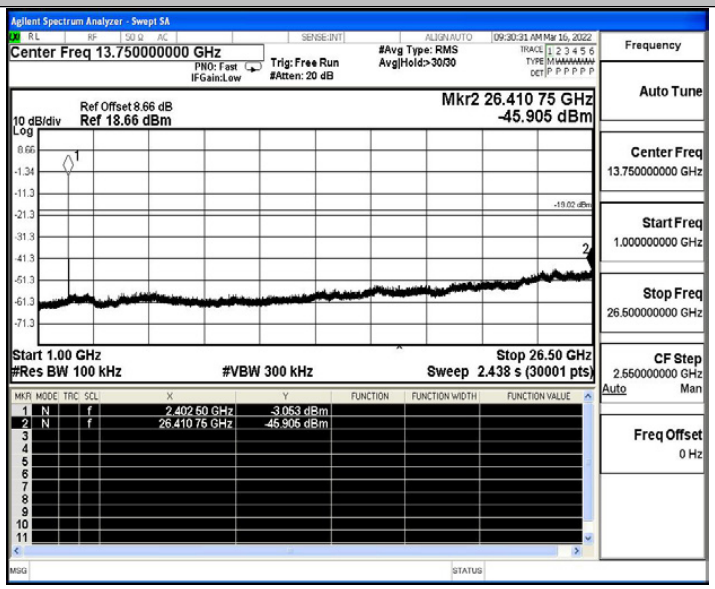
2DH5_Ant1_2402_0~Reference



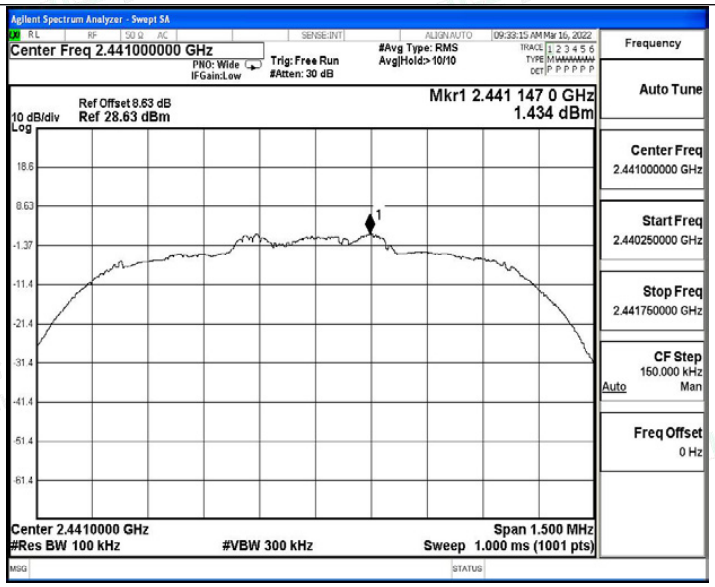
2DH5_Ant1_2402_30~1000



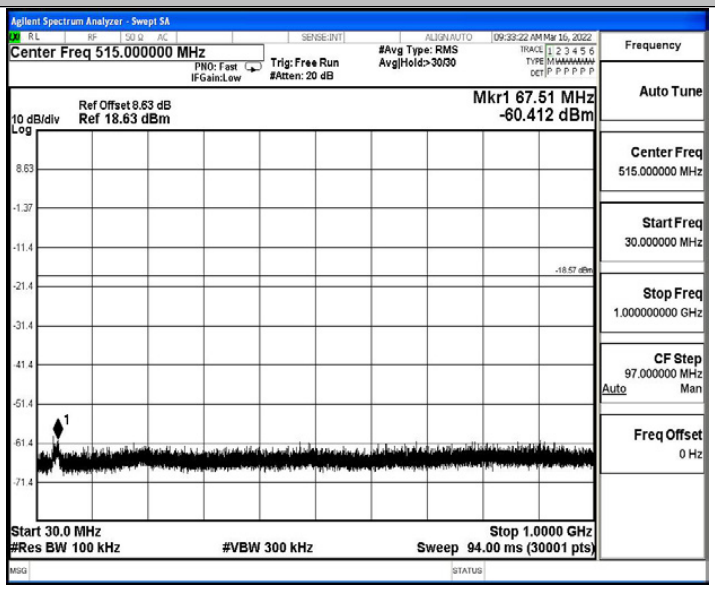
2DH5_Ant1_2402_1000~26500



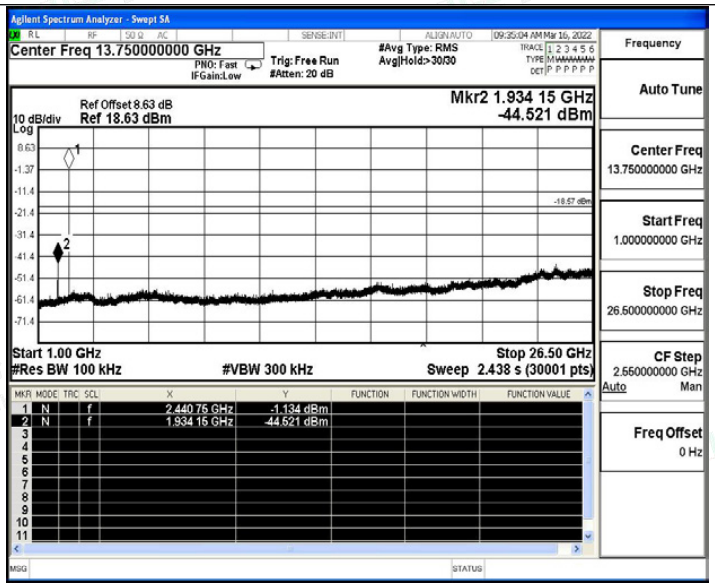
2DH5_Ant1_2441_0~Reference



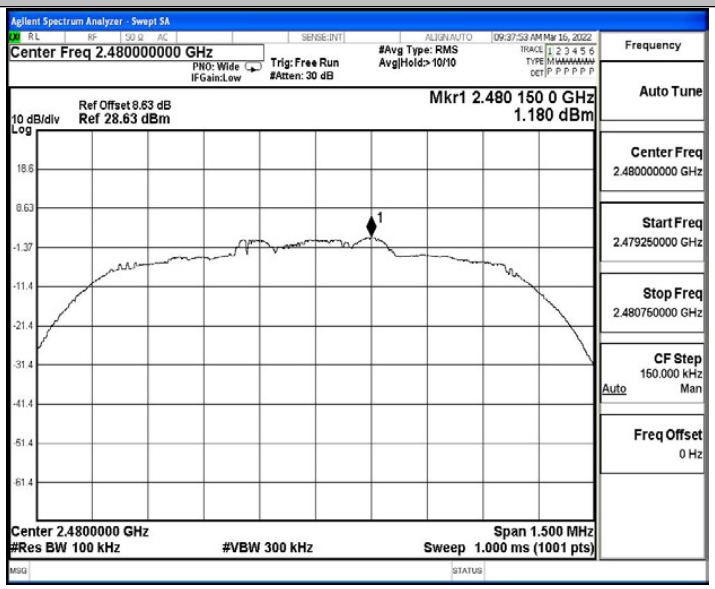
2DH5_Ant1_2441_30~1000



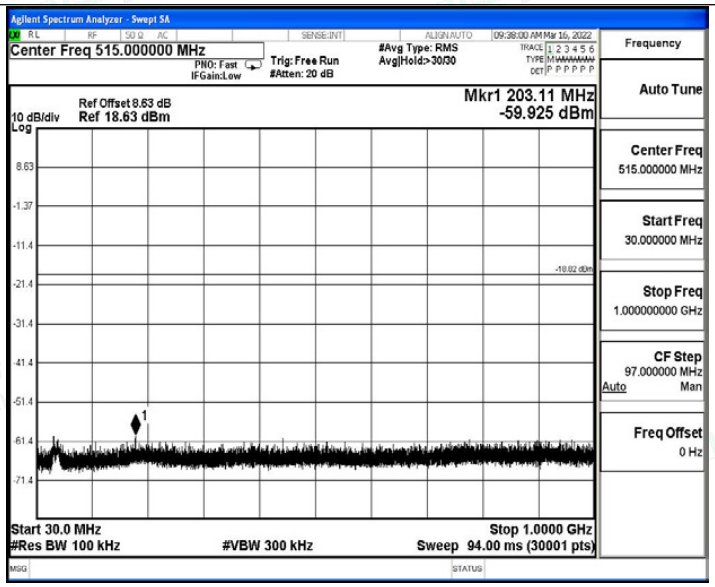
2DH5_Ant1_2441_1000~26500



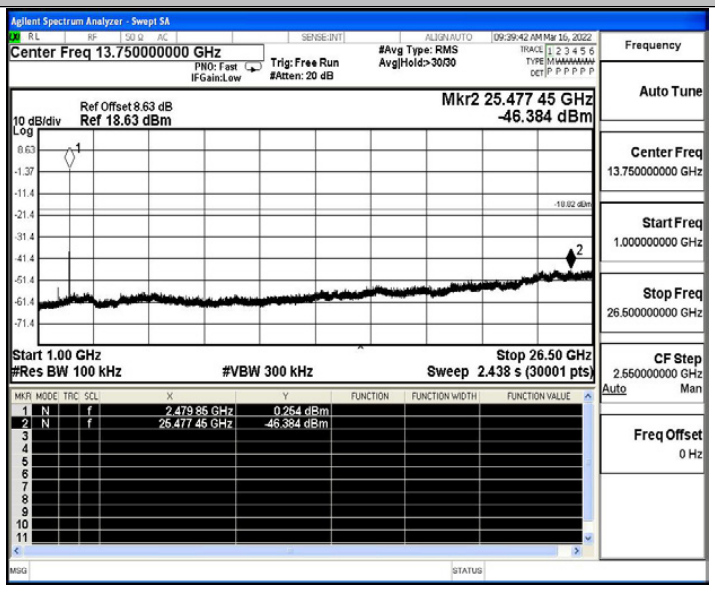
2DH5_Ant1_2480_0~Reference



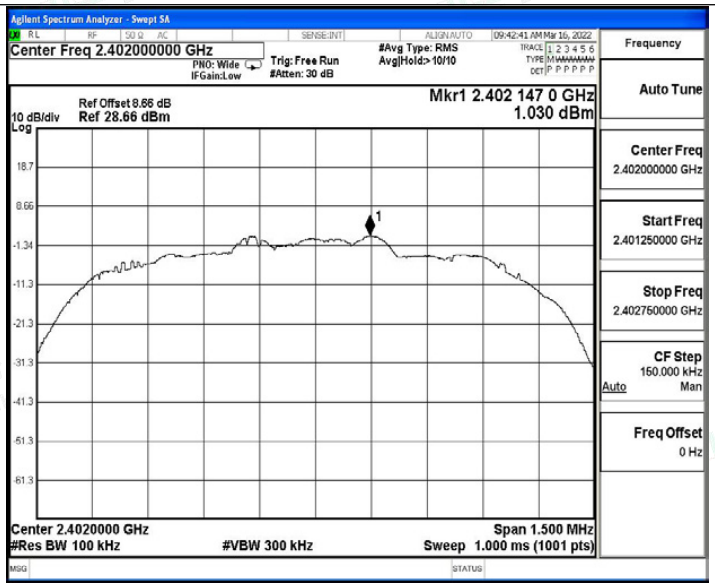
2DH5_Ant1_2480_30~1000



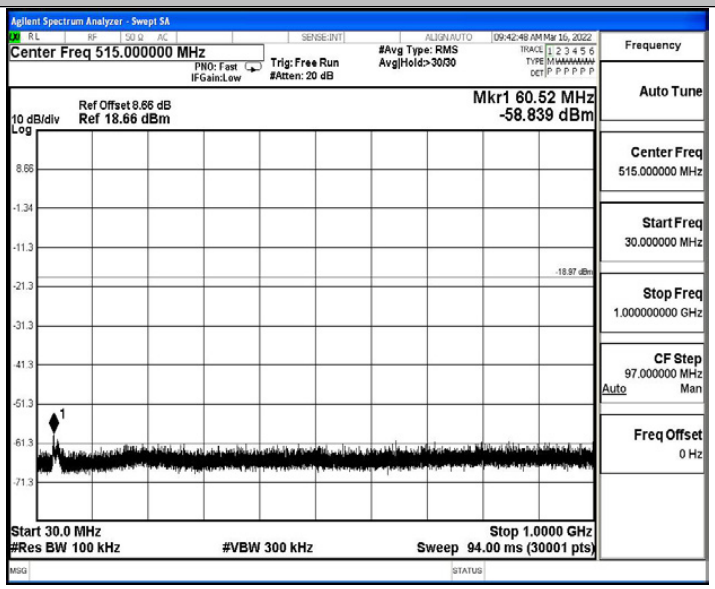
2DH5_Ant1_2480_1000~26500



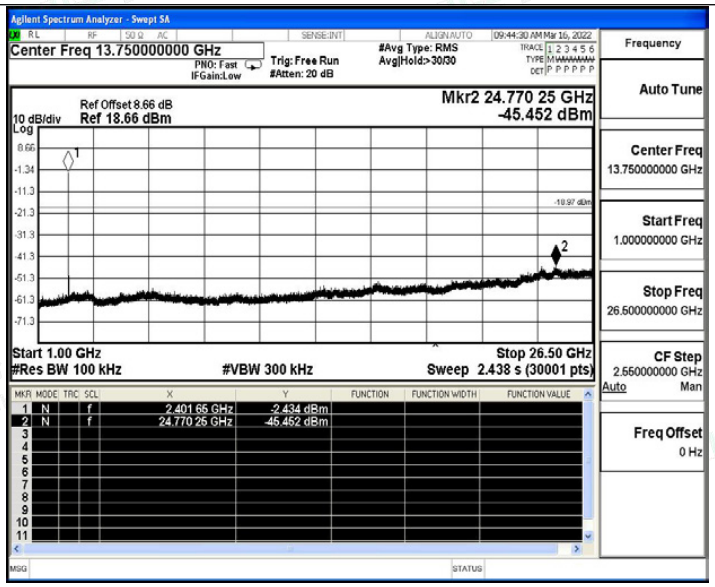
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



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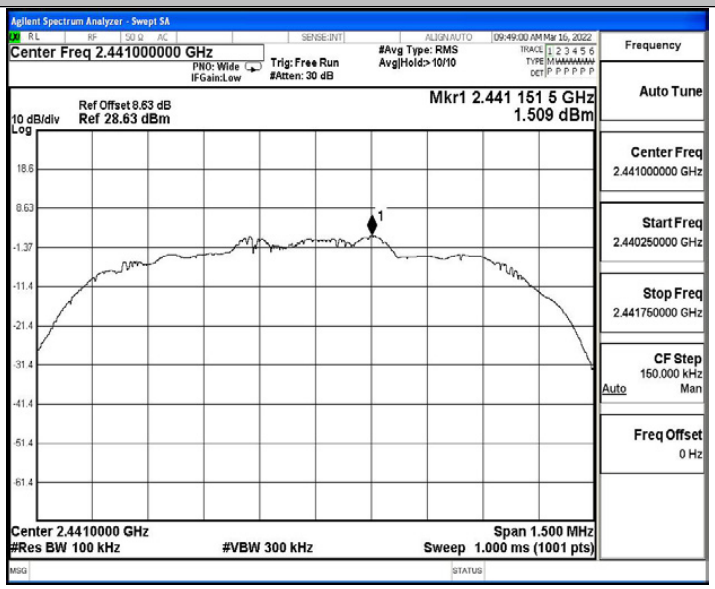
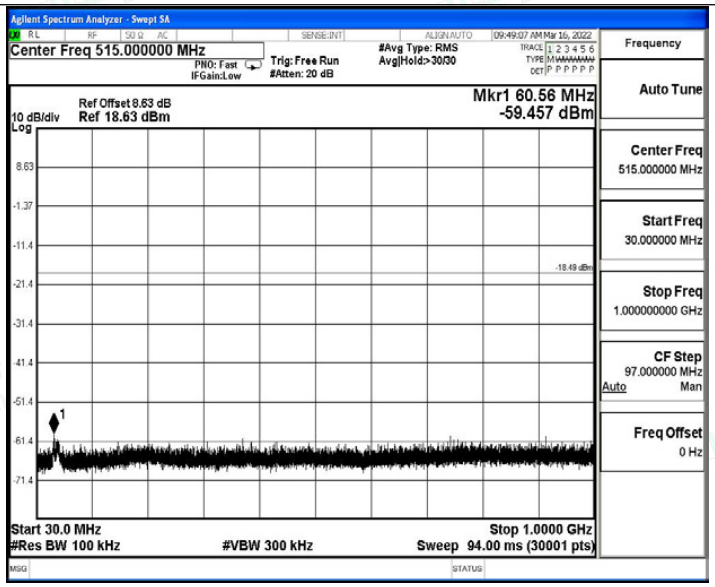
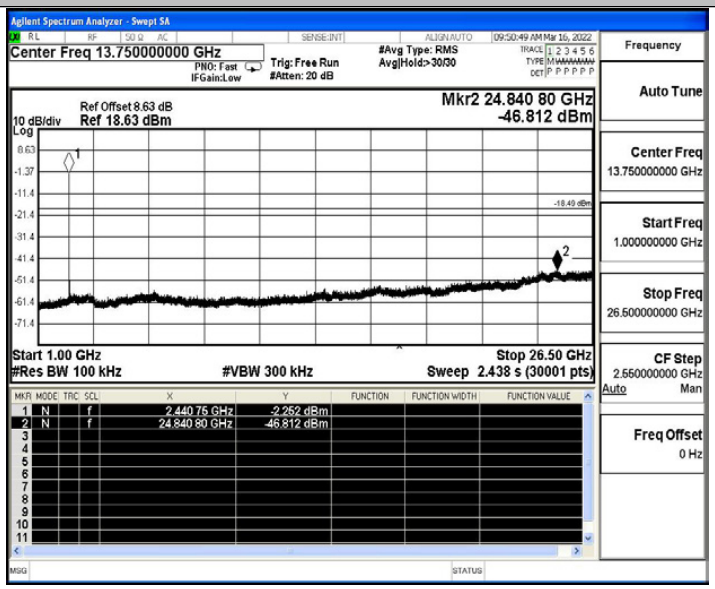


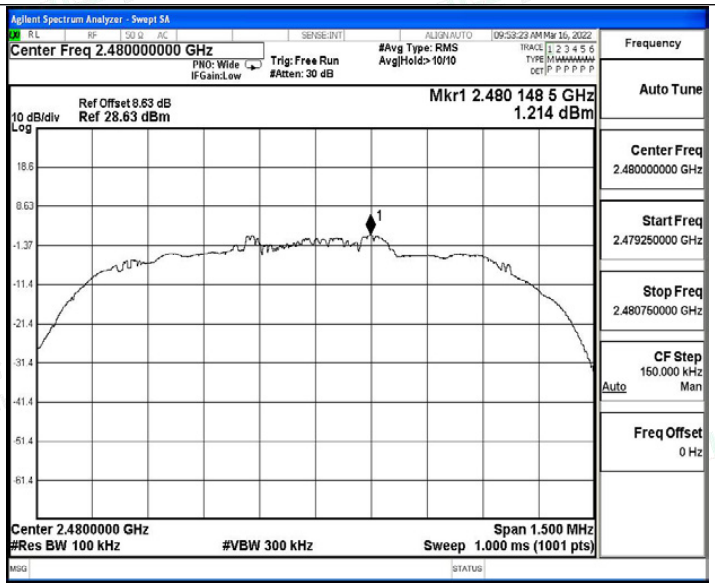
3DH5_Ant1_2441_30~1000



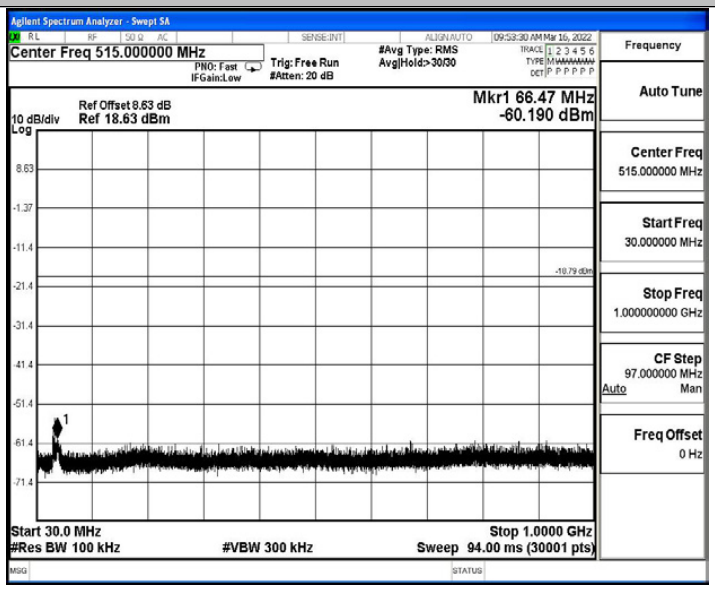
3DH5_Ant1_2441_1000~26500



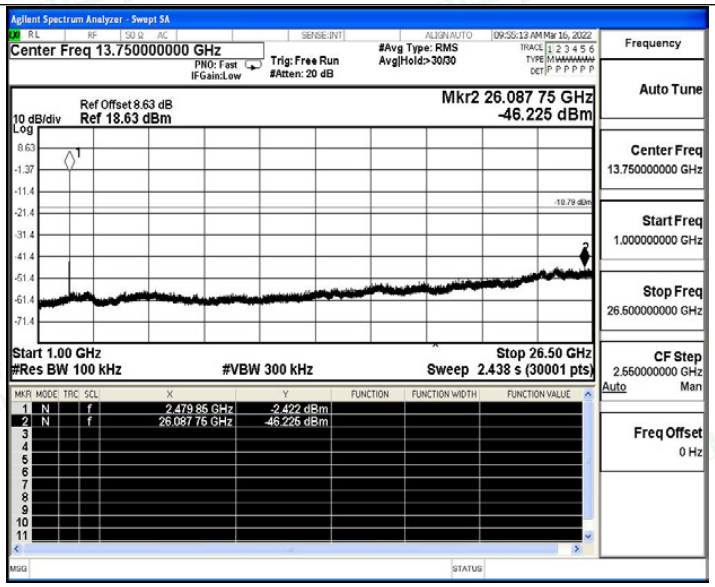
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

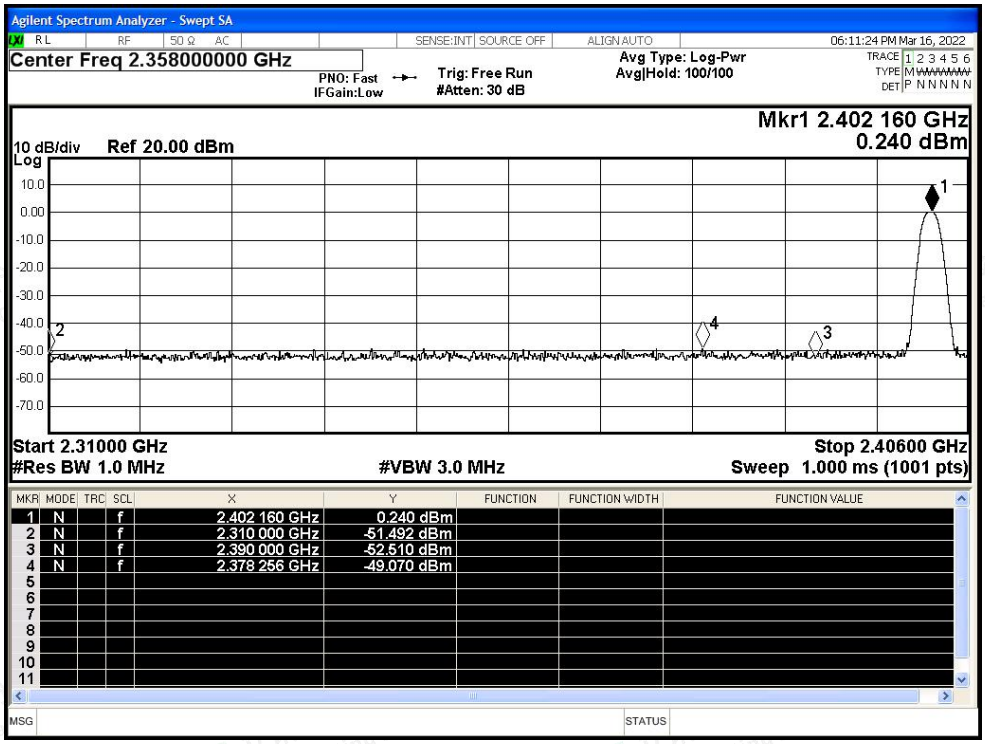

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold:>30/30
09:55:13 AM Mar 16, 2022
Frequency
Auto Tune
Ref Offset 8.63 dB
10 dB/div
Ref 18.63 dBm
Mkr2 26.087 75 GHz
-46.225 dBm
Center Freq
13.750000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
CF Step
2.550000000 GHz
Auto
Man
Freq Offset
0 Hz
1 N f 2.479 85 GHz -2.422 dBm
2 N f 26.087 75 GHz -46.225 dBm

A.8 Restrict Band

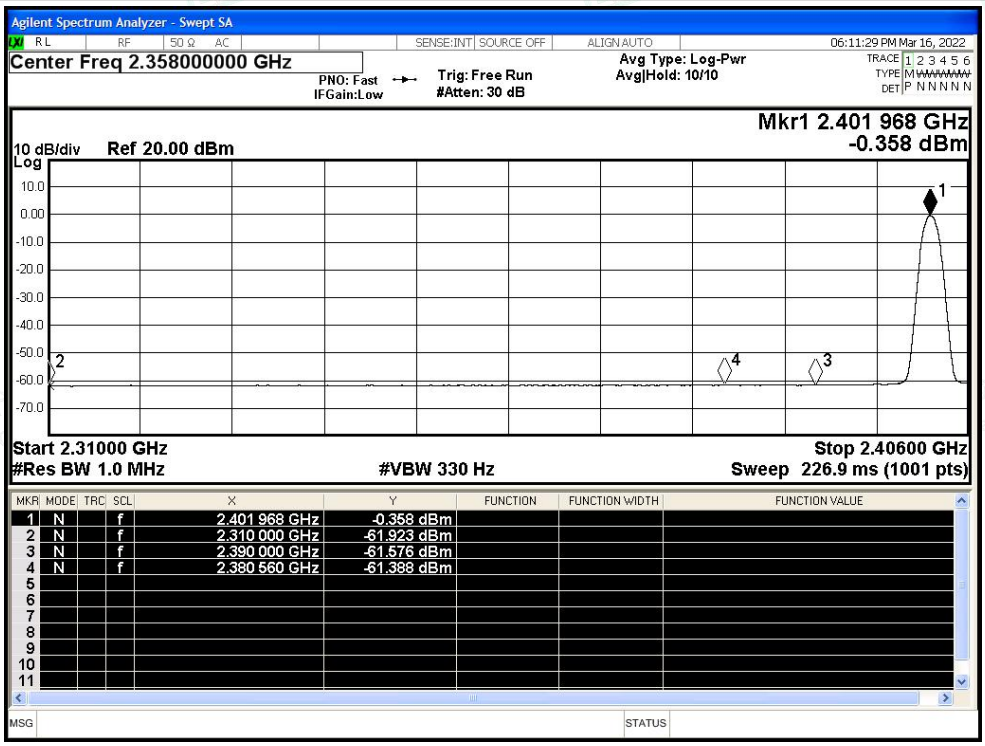
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.49	2	45.77	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-61.92	2	35.34	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2378.256	-49.06	2	48.2	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2380.56	-61.38	2	35.88	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.88	2	45.38	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.4	2	35.86	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-52.13	2	45.13	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-60.99	2	36.27	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.496	-48.04	2	49.22	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.872	-60.88	2	36.38	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-52.05	2	45.21	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.34	2	35.92	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.8	2	44.46	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-61.92	2	35.34	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2362.032	-48.75	2	48.51	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2381.616	-61.38	2	35.88	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-52.11	2	45.15	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.61	2	35.65	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.7	2	45.56	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.97	2	36.29	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2489.944	-48.27	2	48.99	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.536	-60.96	2	36.3	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-52.83	2	44.43	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.32	2	35.94	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-52.63	2	44.63	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-62.06	2	35.2	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2351.376	-49.27	2	47.99	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2377.2	-61.34	2	35.92	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.68	2	45.58	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-61.4	2	35.86	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.83	2	46.43	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-60.84	2	36.42	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2497.96	-48.47	2	48.79	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.656	-60.74	2	36.52	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-53.74	2	43.52	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-61.58	2	35.68	Average	54	Pass

Test Graphs

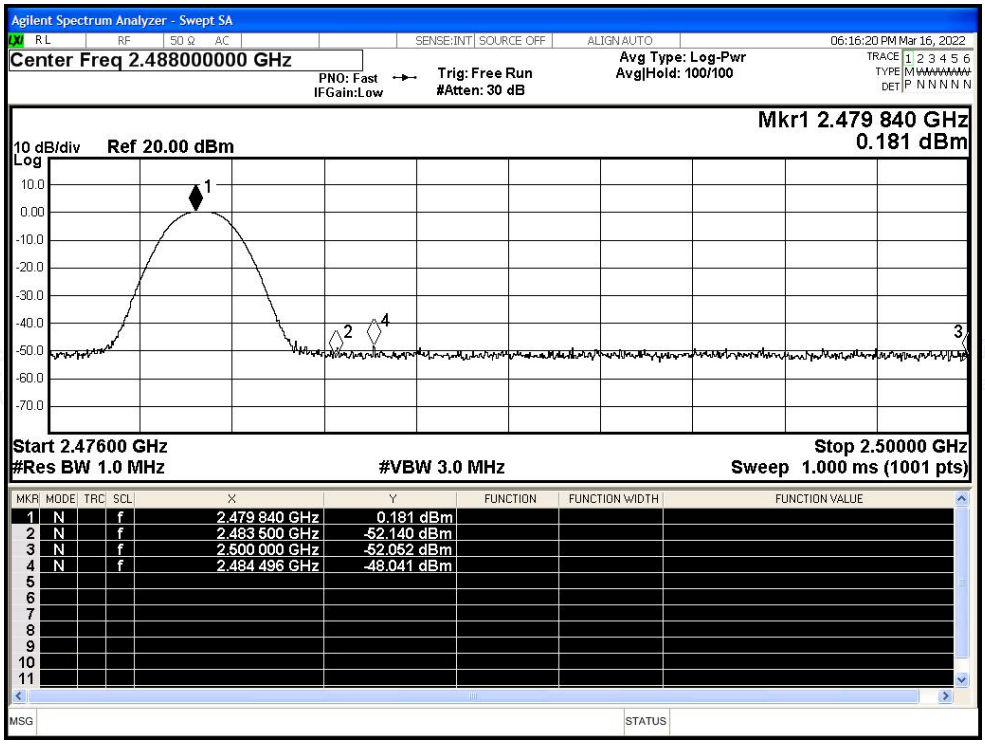
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



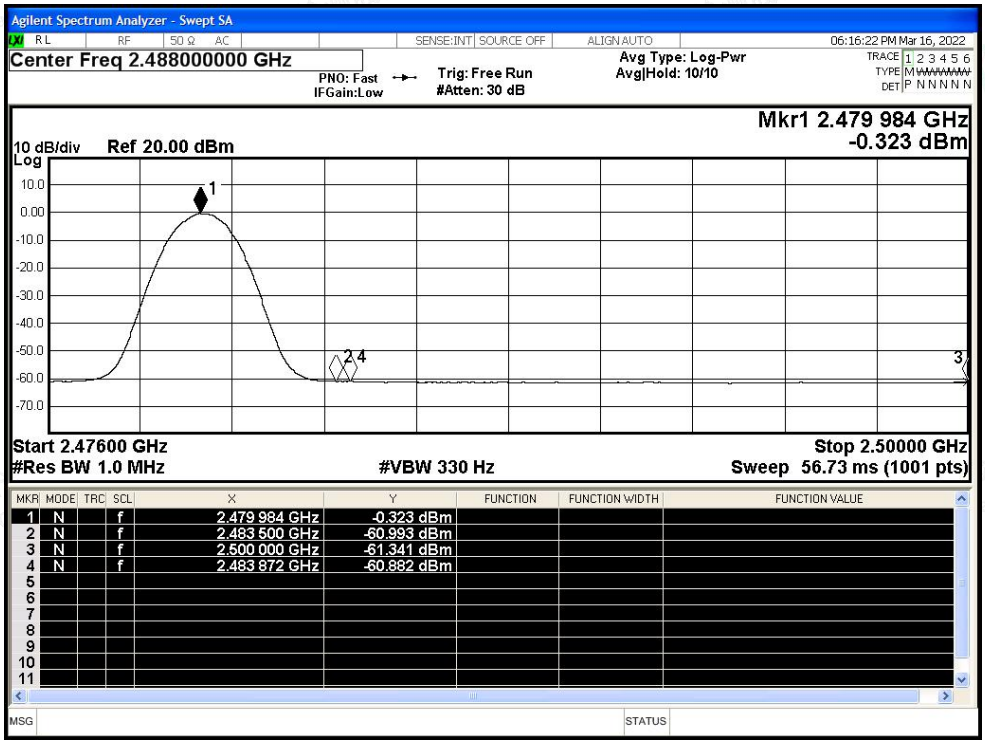
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



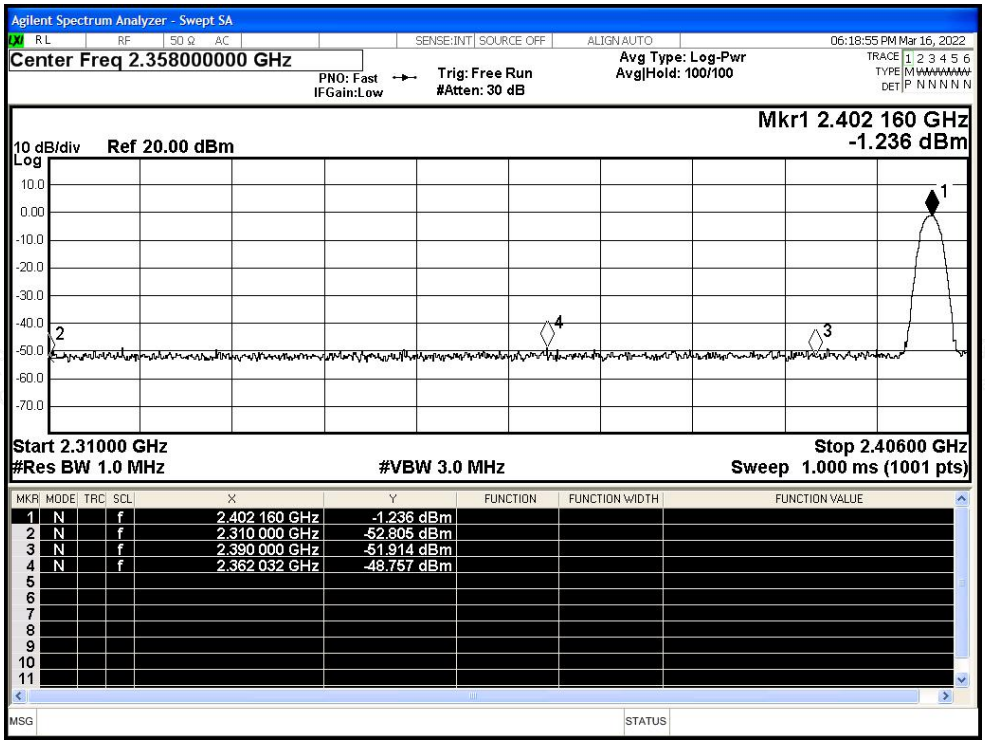
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



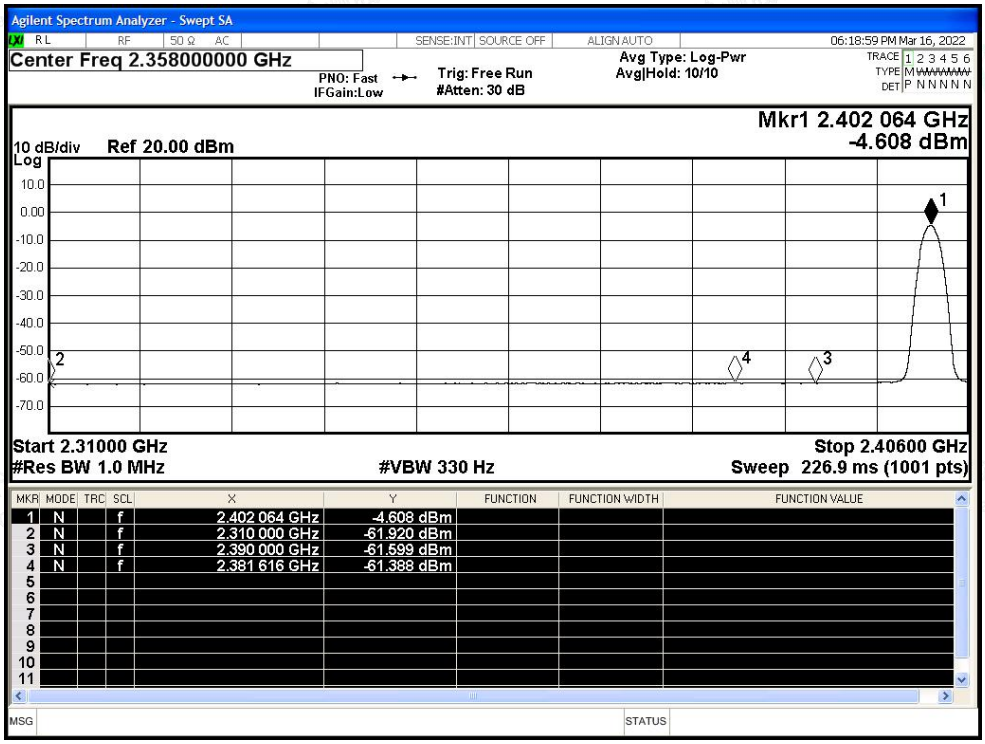
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



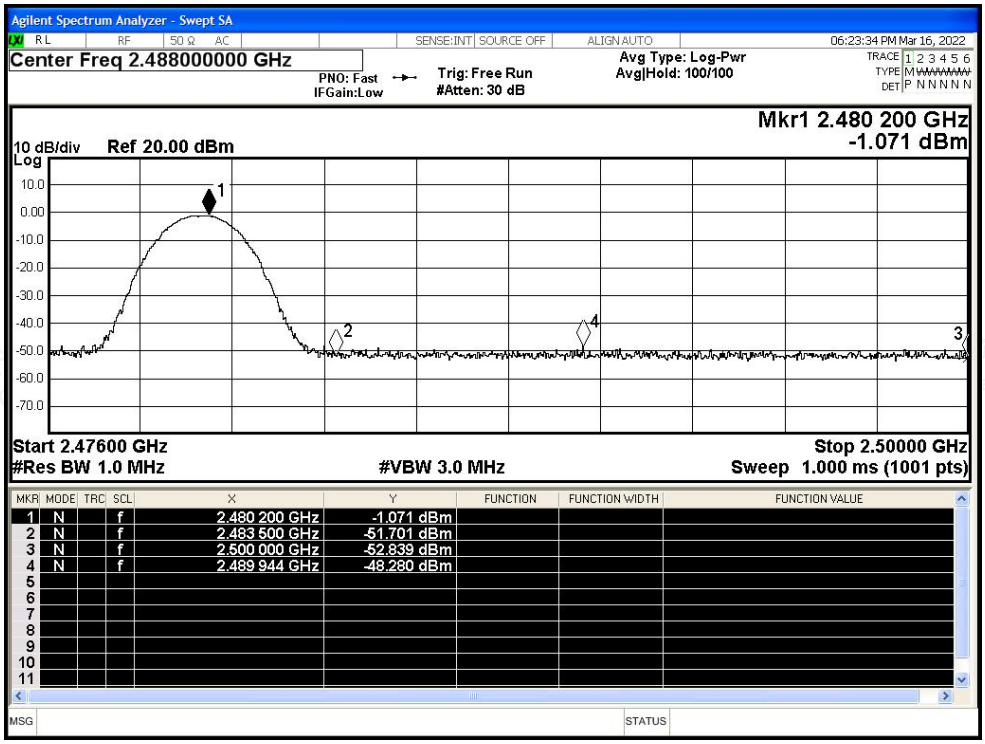
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



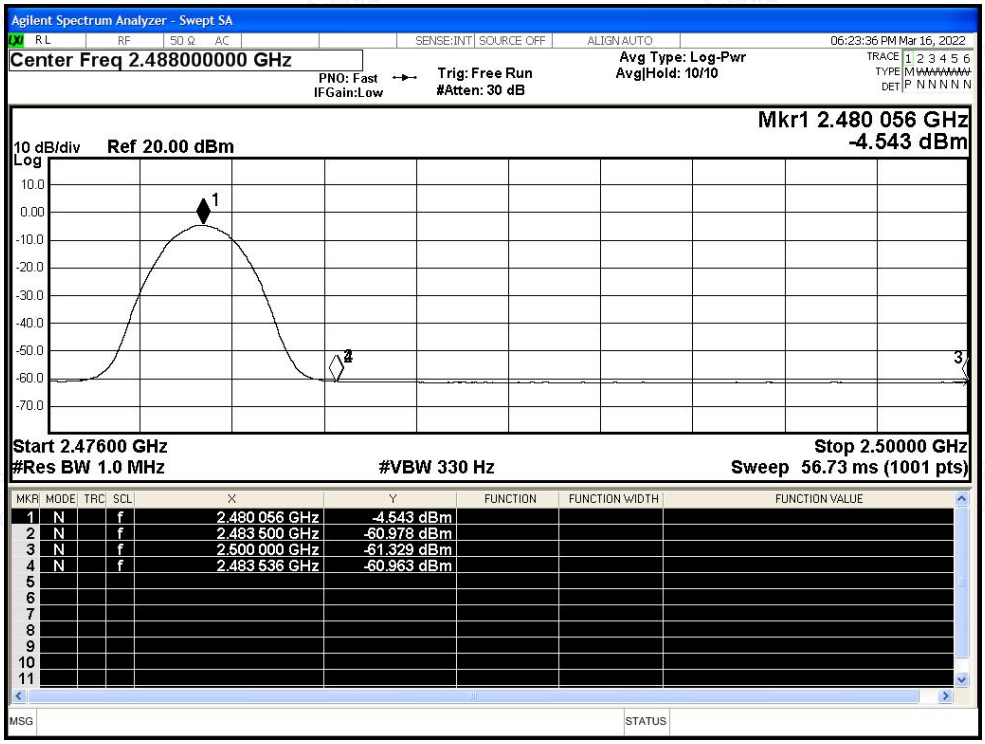
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



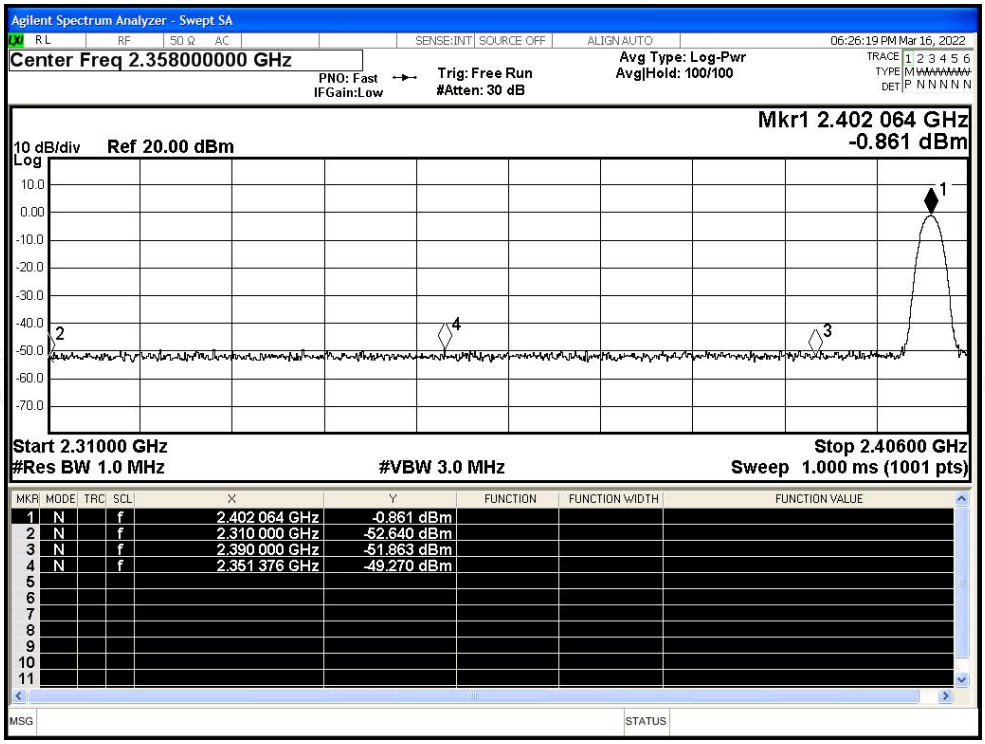
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



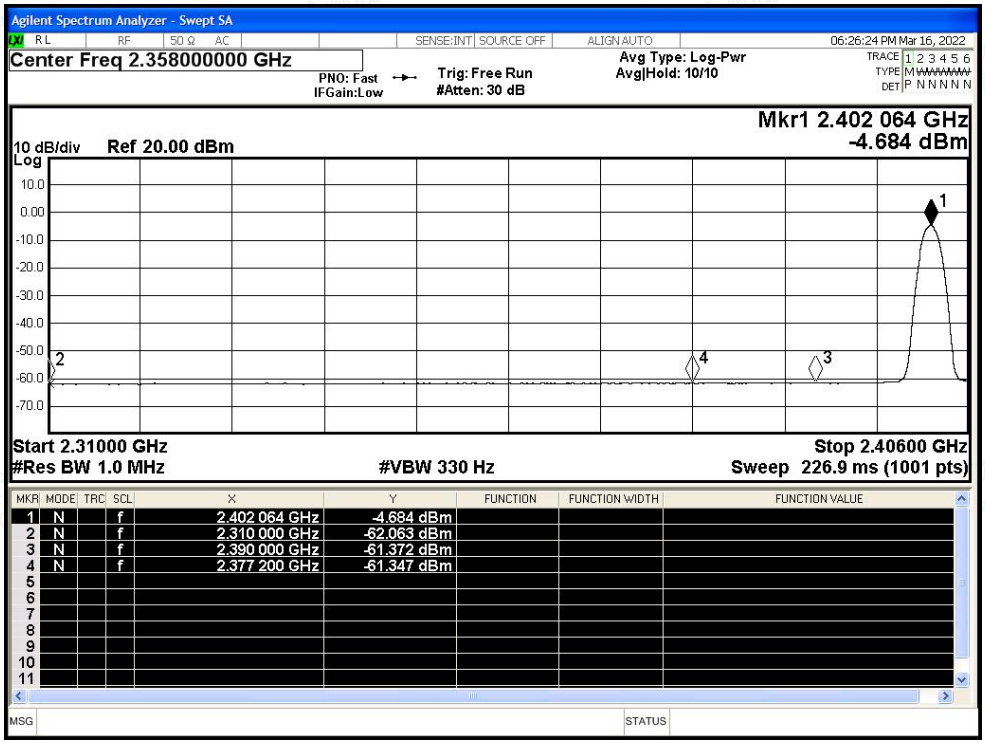
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



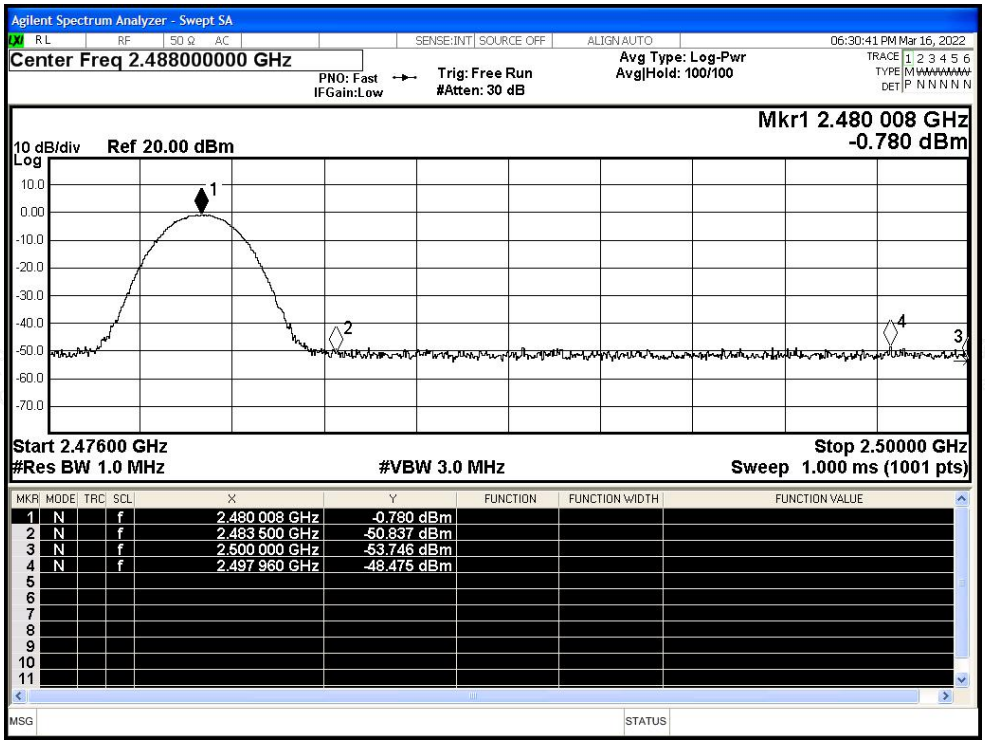
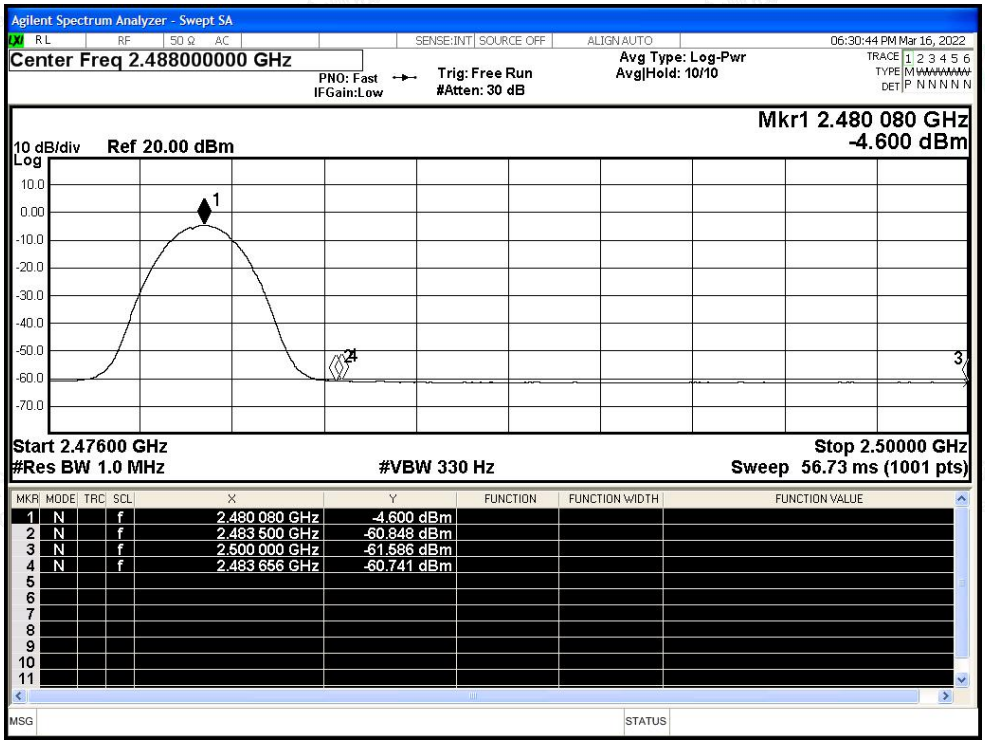
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average