

RF Test Data for Bluetooth (Conducted Measurements)

General Description of EUT	
Product Name:	Tablet PC
Test Model:	IT-801B
Sample ID:	202408-0001-4-2#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.8V
Test Engineer:	ZKN Zhou
Note: For a more detailed features description, please refer to the report TBR-C-202408-0001-81 The report only show the worst case data.	

Contents

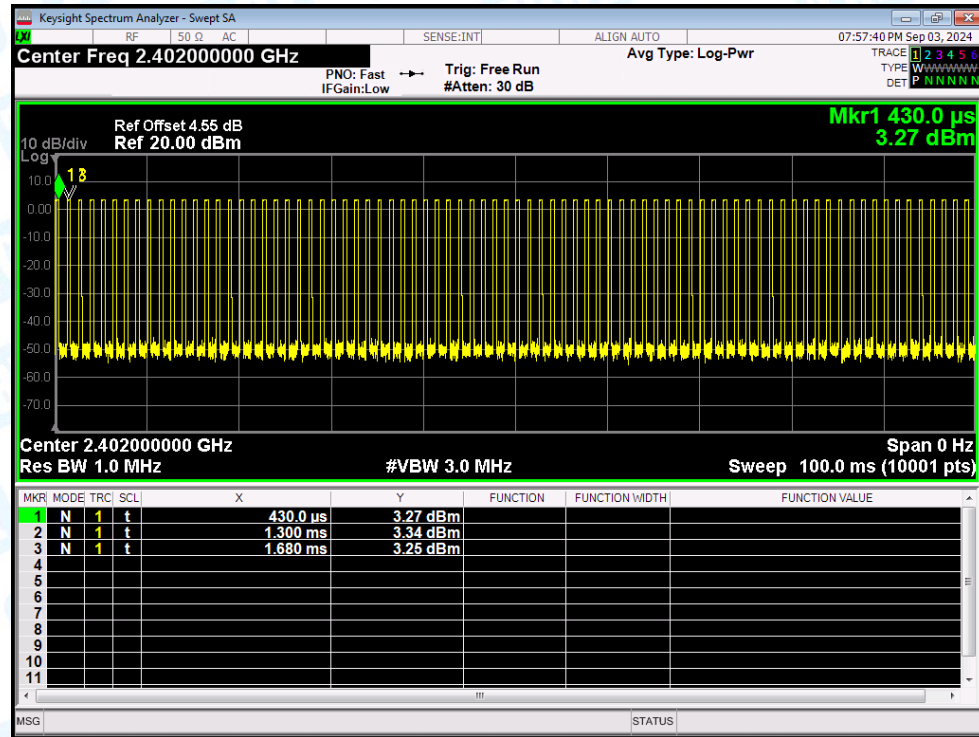
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1. Duty Cycle

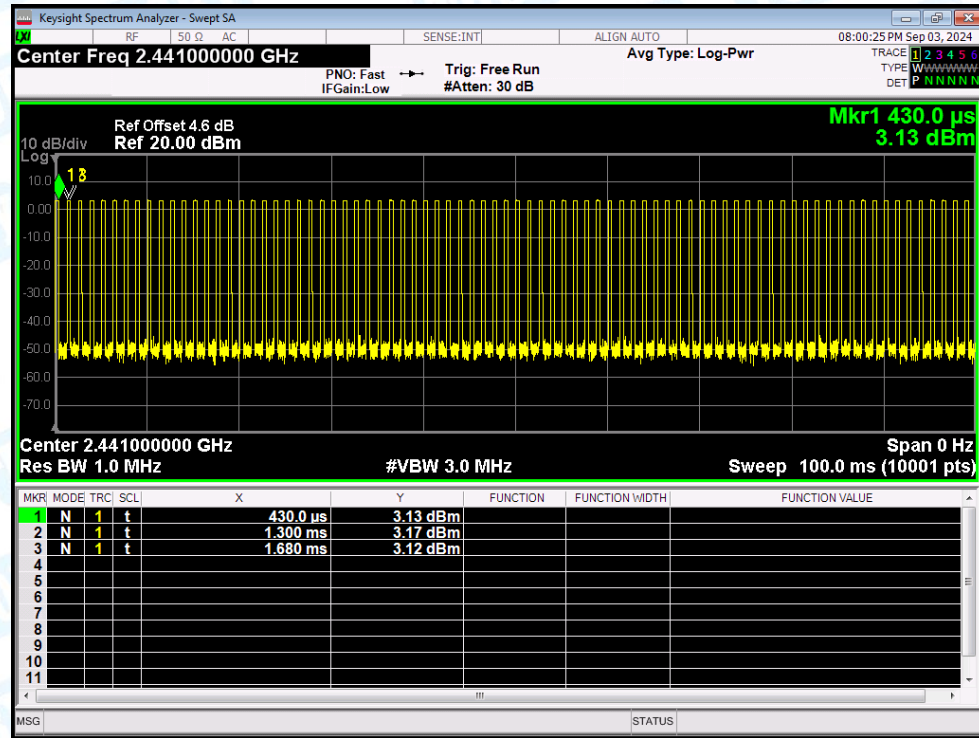
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH1	2402	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2441	Ant1	30.4	5.17	2.63
NVNT	1-DH1	2480	Ant1	30.4	5.17	2.63
NVNT	2-DH1	2402	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2441	Ant1	31.2	5.06	2.56
NVNT	2-DH1	2480	Ant1	32	4.95	2.5
NVNT	3-DH1	2402	Ant1	31.2	5.06	2.56
NVNT	3-DH1	2441	Ant1	32	4.95	2.5
NVNT	3-DH1	2480	Ant1	31.2	5.06	2.56

Test Graphs

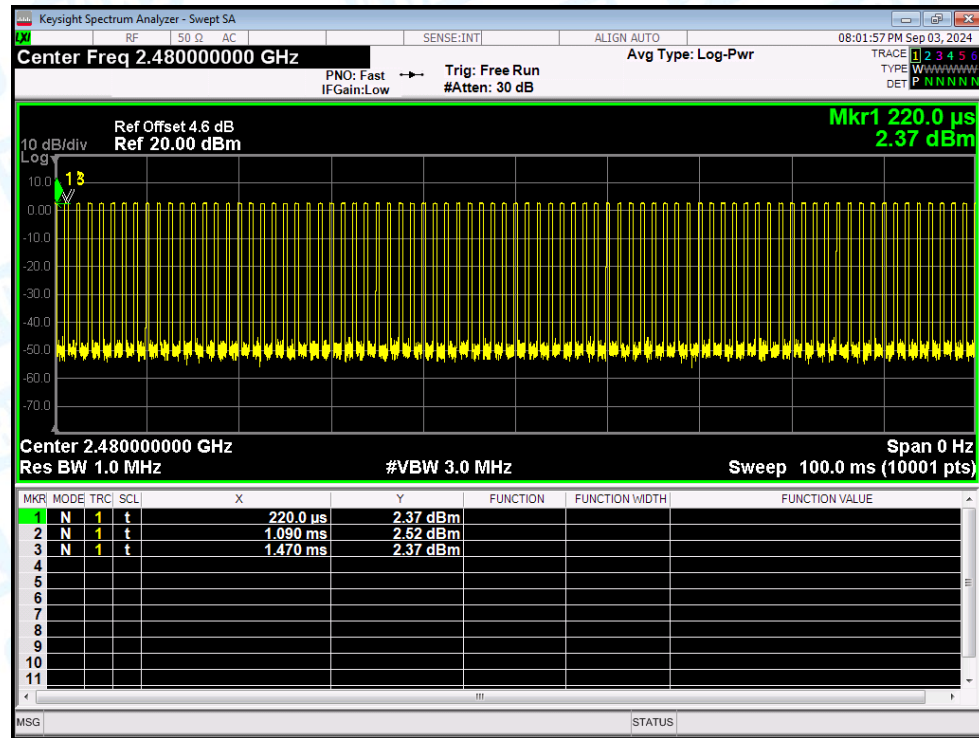
Duty Cycle NVNT 1-DH1 2402MHz Ant1



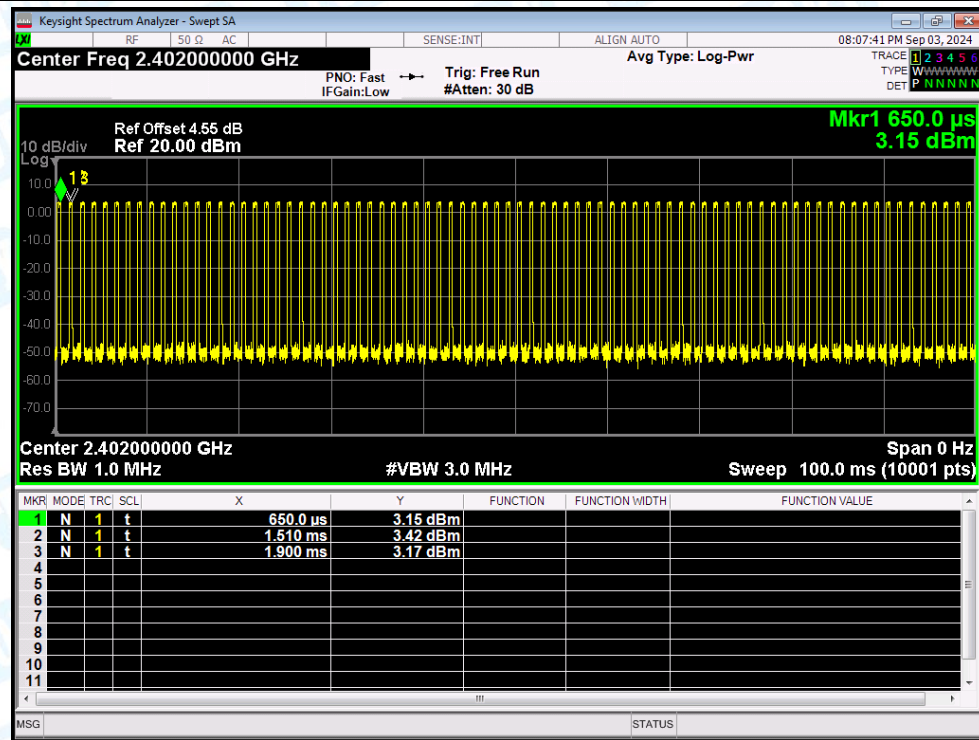
Duty Cycle NVNT 1-DH1 2441MHz Ant1



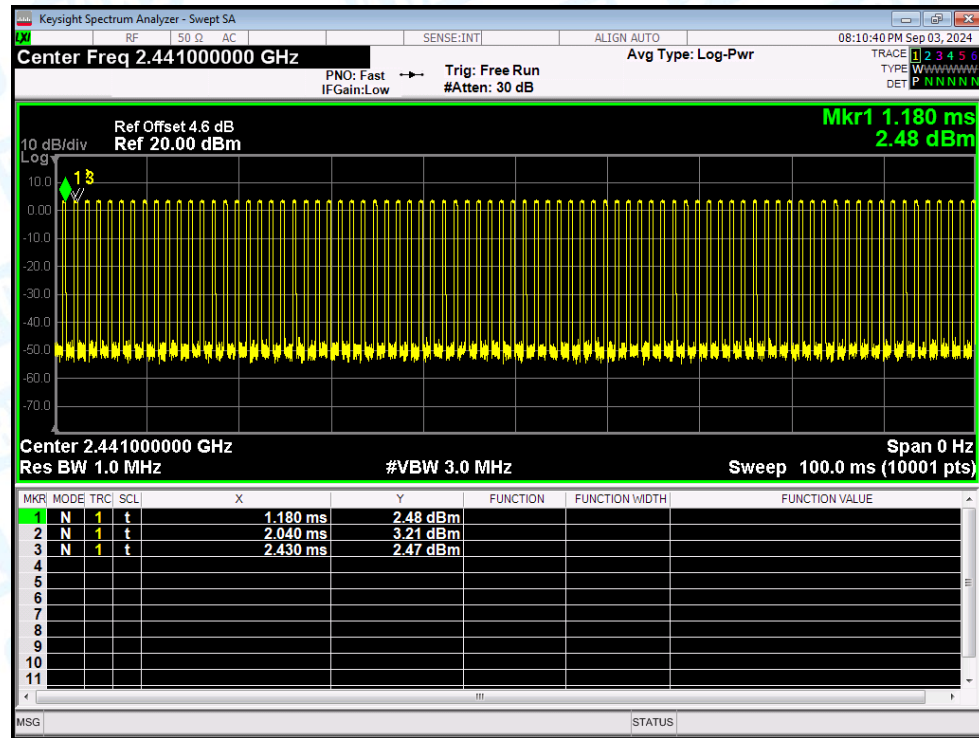
Duty Cycle NVNT 1-DH1 2480MHz Ant1



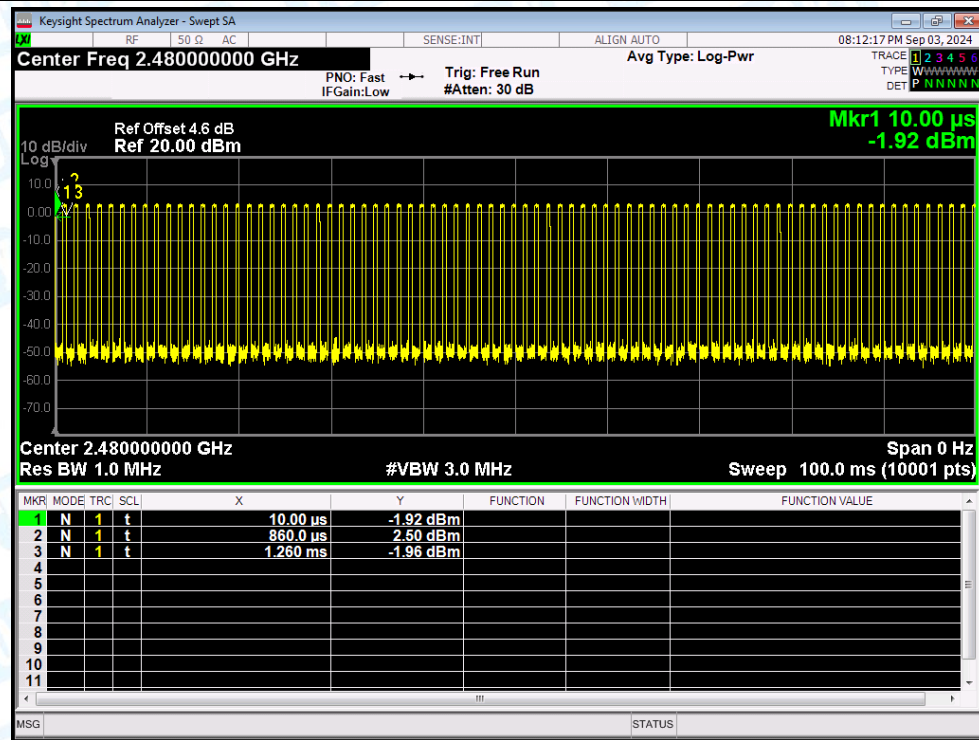
Duty Cycle NVNT 2-DH1 2402MHz Ant1



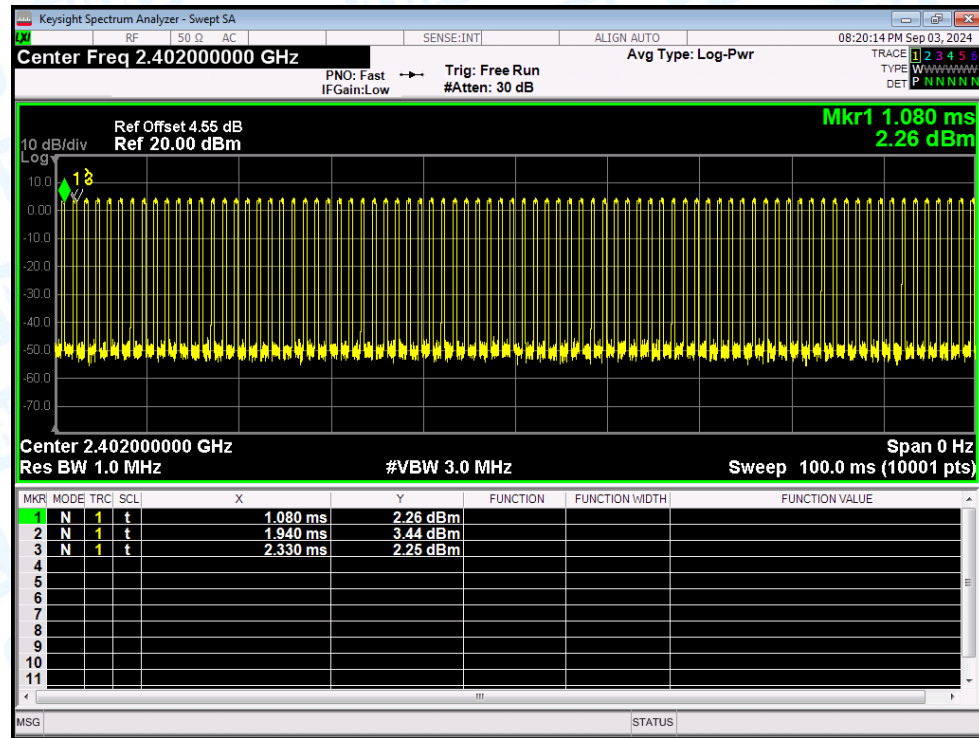
Duty Cycle NVNT 2-DH1 2441MHz Ant1



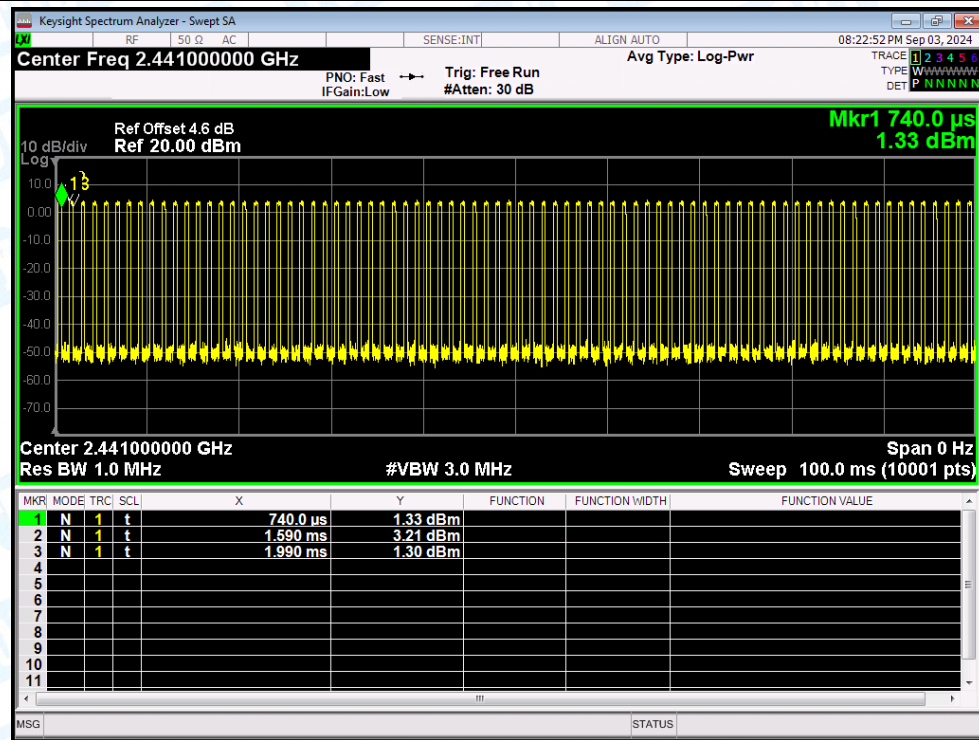
Duty Cycle NVNT 2-DH1 2480MHz Ant1

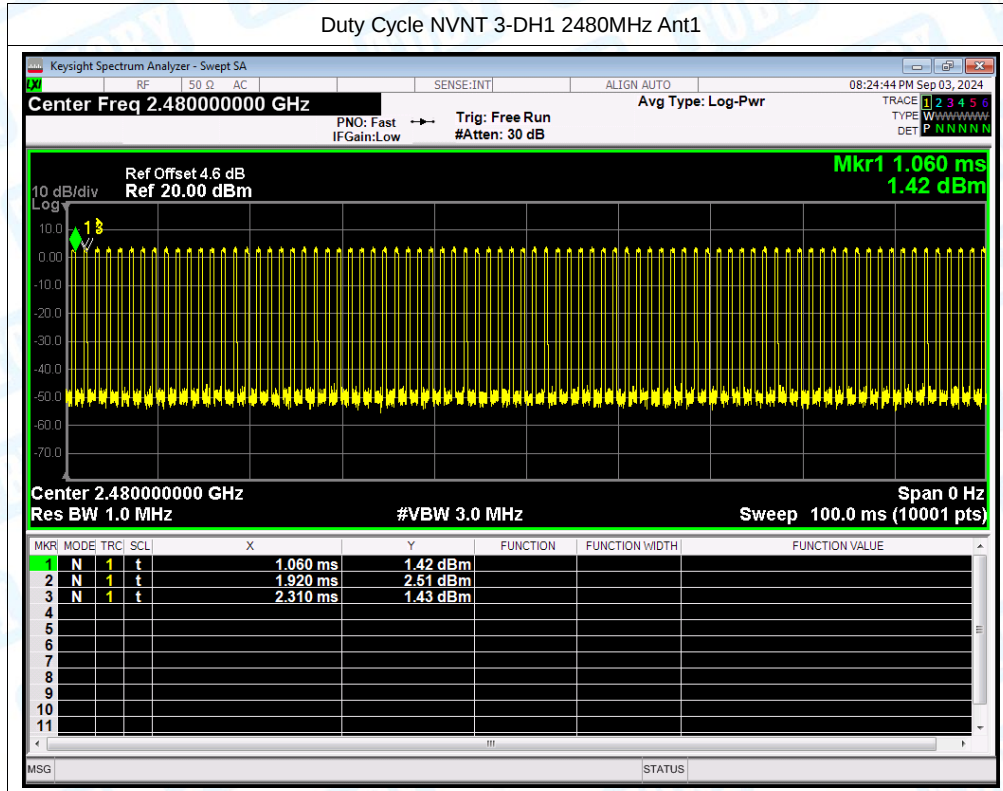


Duty Cycle NVNT 3-DH1 2402MHz Ant1



Duty Cycle NVNT 3-DH1 2441MHz Ant1



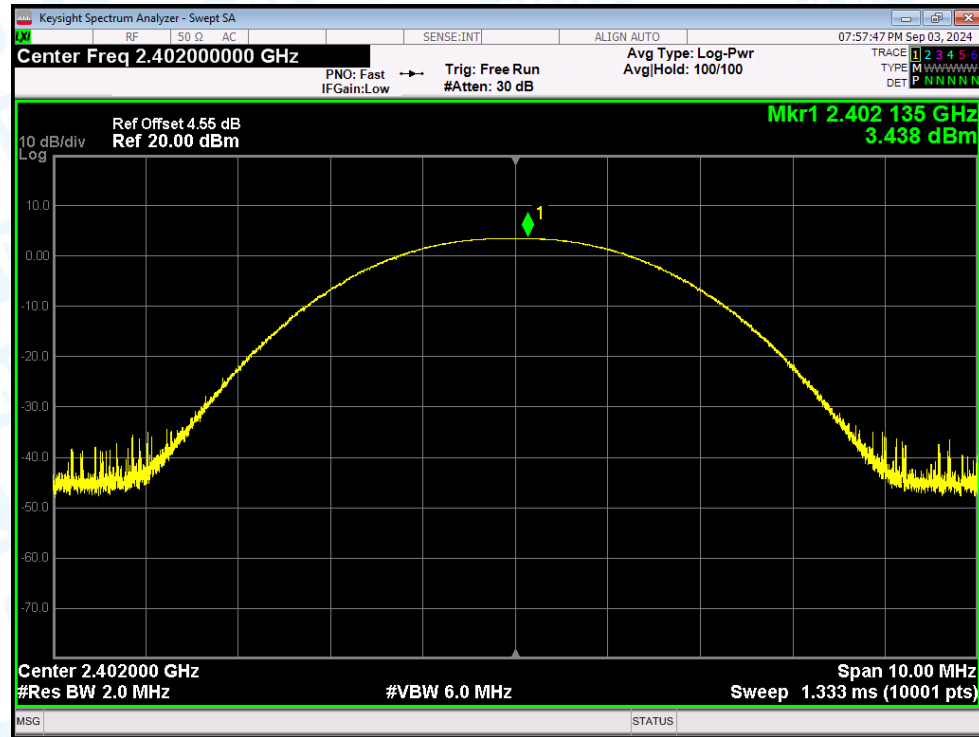


2. Maximum Conducted Output Power

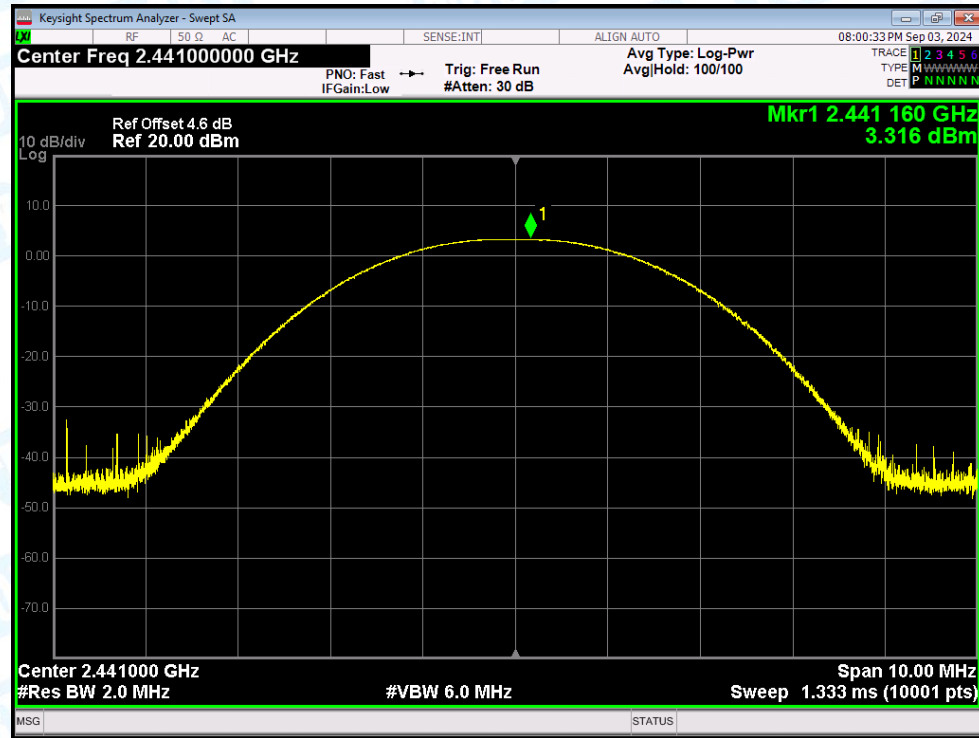
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	3.438	21	Pass
NVNT	1-DH1	2441	Ant1	3.316	21	Pass
NVNT	1-DH1	2480	Ant1	2.652	21	Pass
NVNT	2-DH1	2402	Ant1	4.346	21	Pass
NVNT	2-DH1	2441	Ant1	4.107	21	Pass
NVNT	2-DH1	2480	Ant1	3.473	21	Pass
NVNT	3-DH1	2402	Ant1	4.834	21	Pass
NVNT	3-DH1	2441	Ant1	4.647	21	Pass
NVNT	3-DH1	2480	Ant1	3.988	21	Pass

Test Graphs

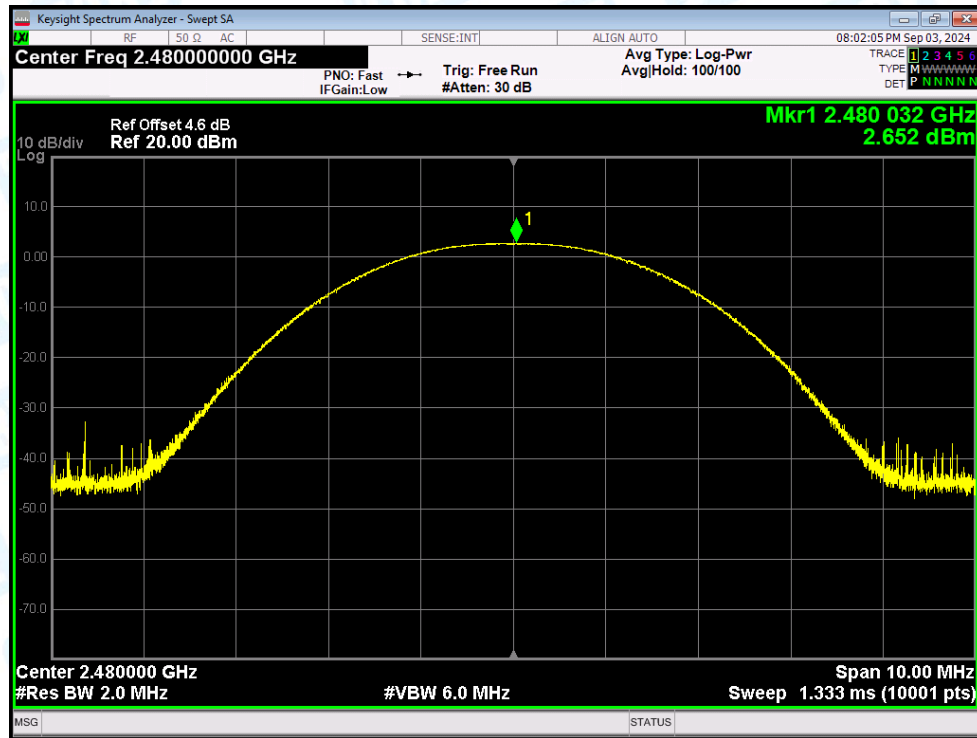
Power NVNT 1-DH1 2402MHz Ant1



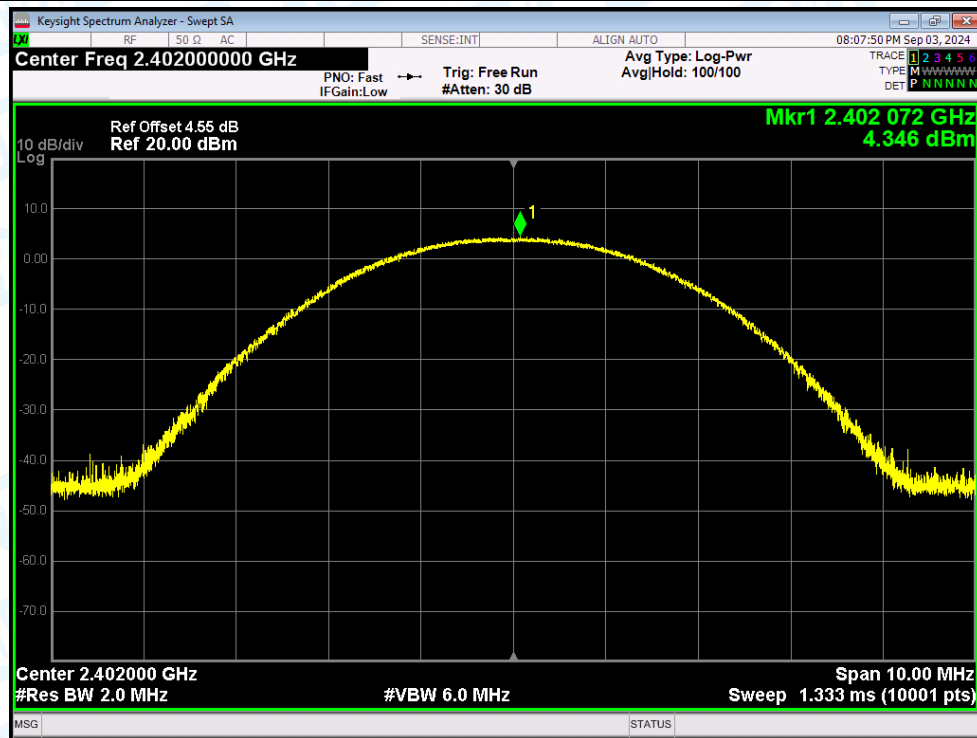
Power NVNT 1-DH1 2441MHz Ant1



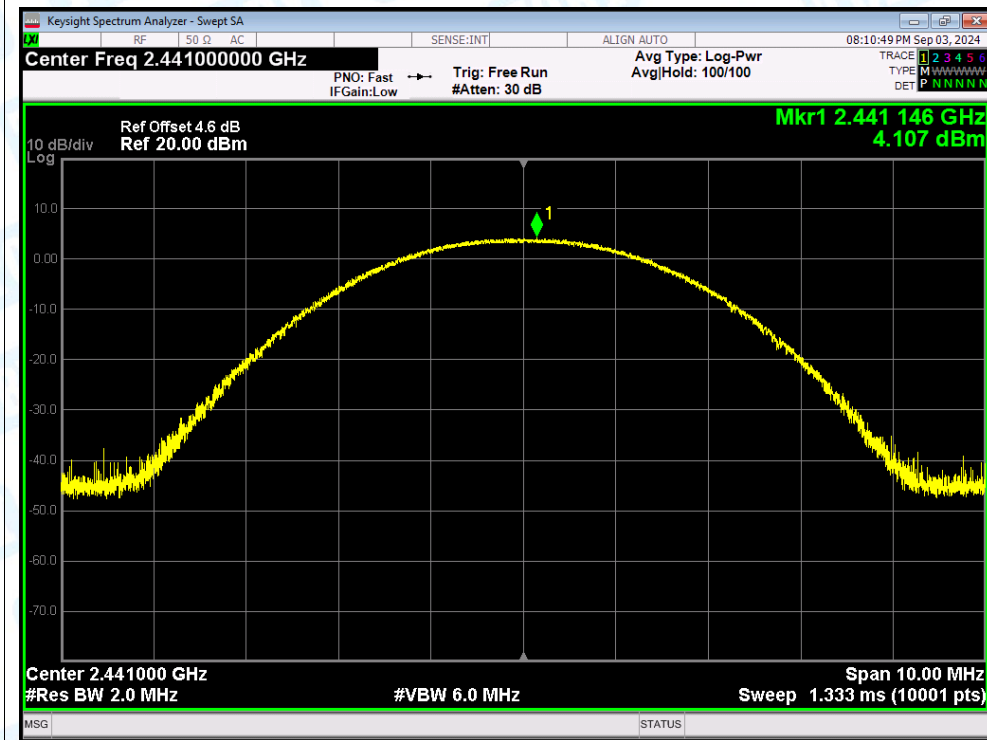
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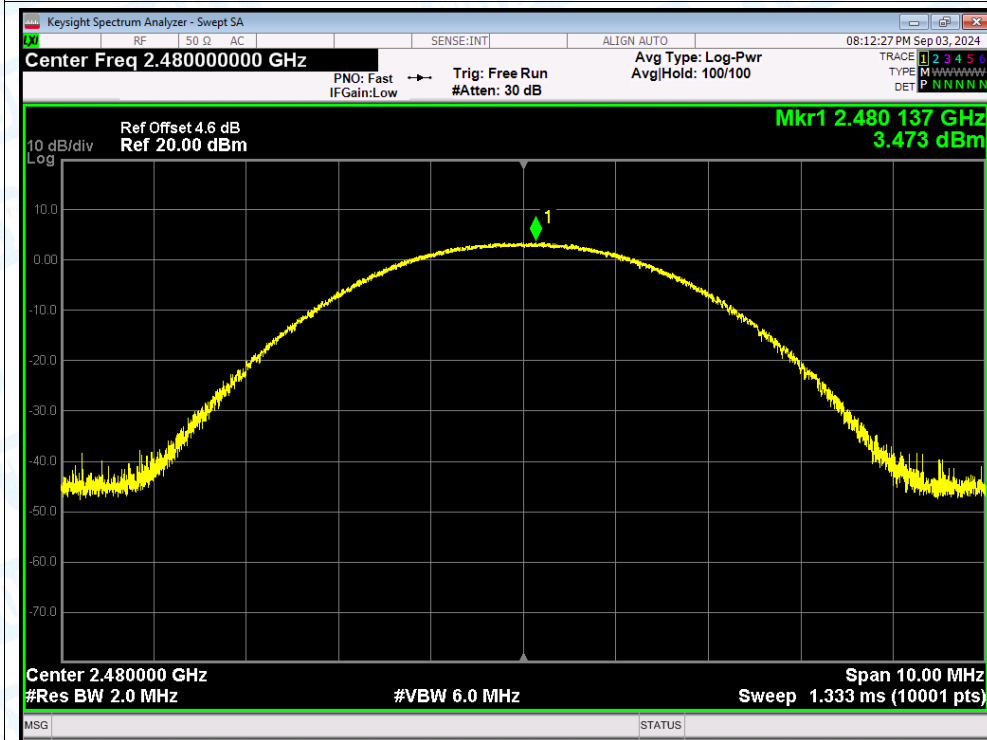
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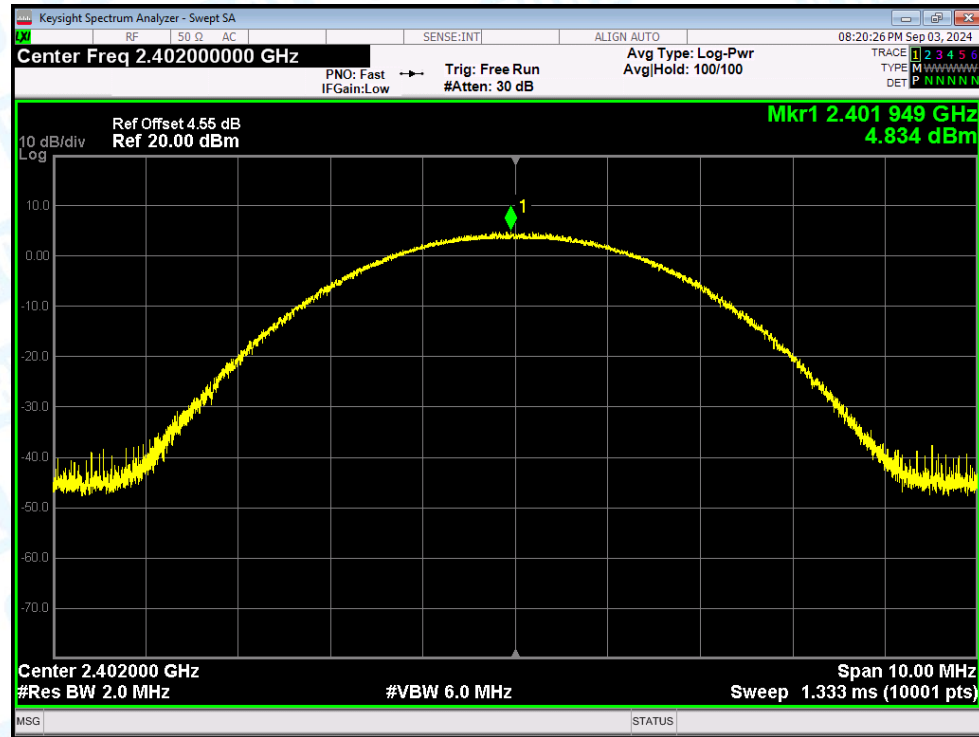
Power NVNT 2-DH1 2441MHz Ant1



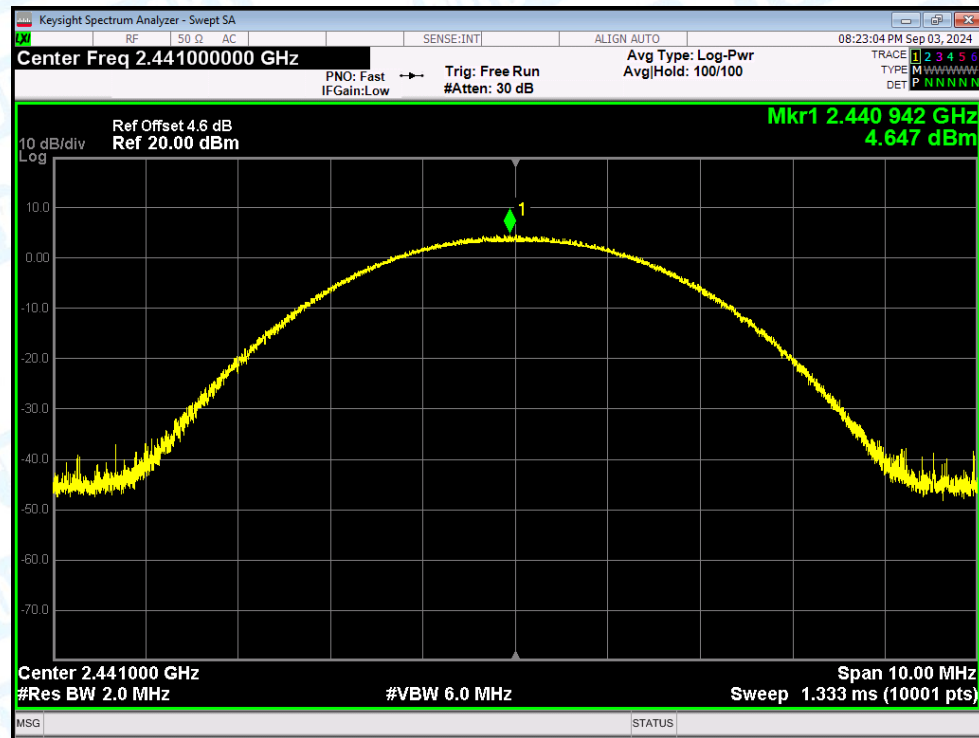
Power NVNT 2-DH1 2480MHz Ant1

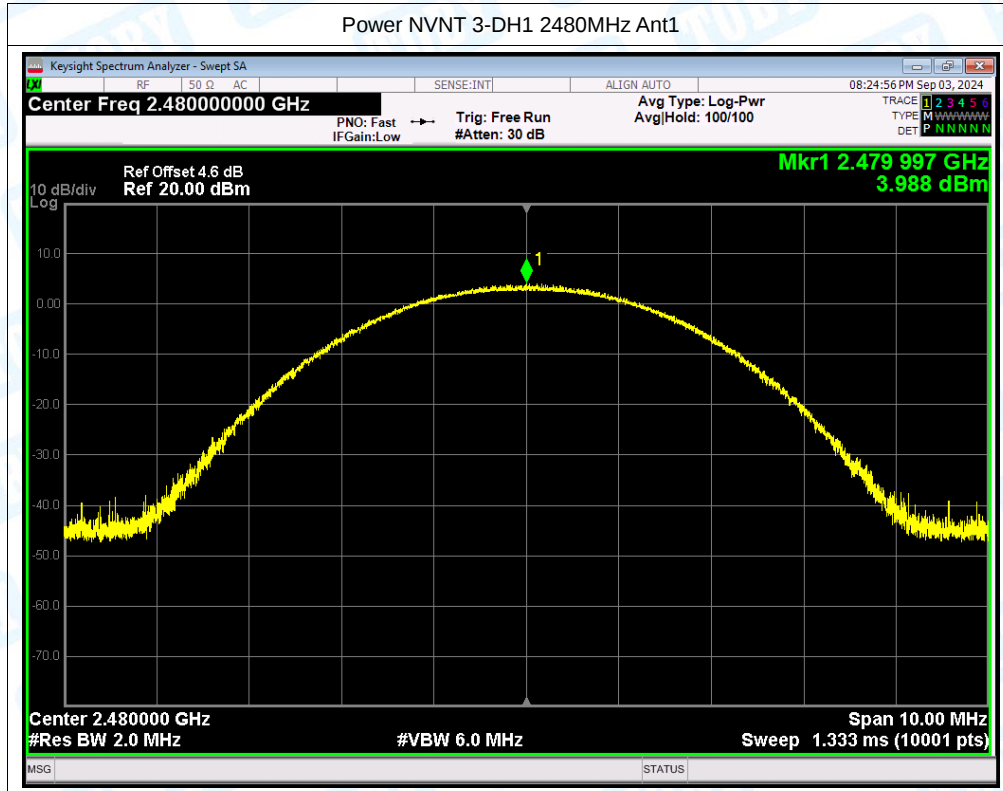


Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



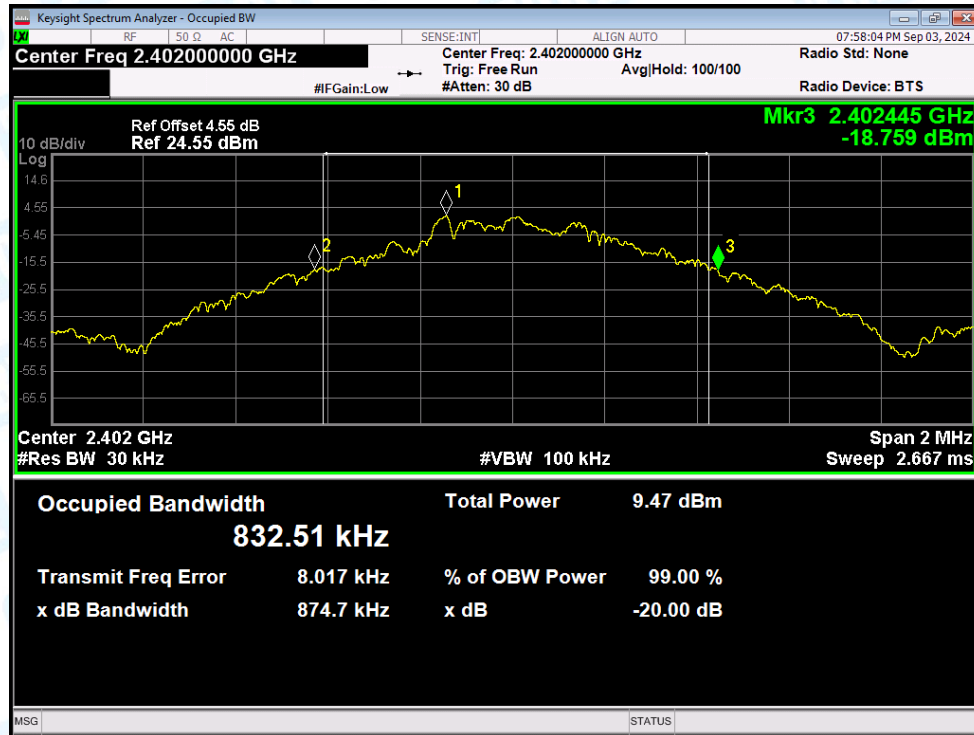


3. -20dB Bandwidth

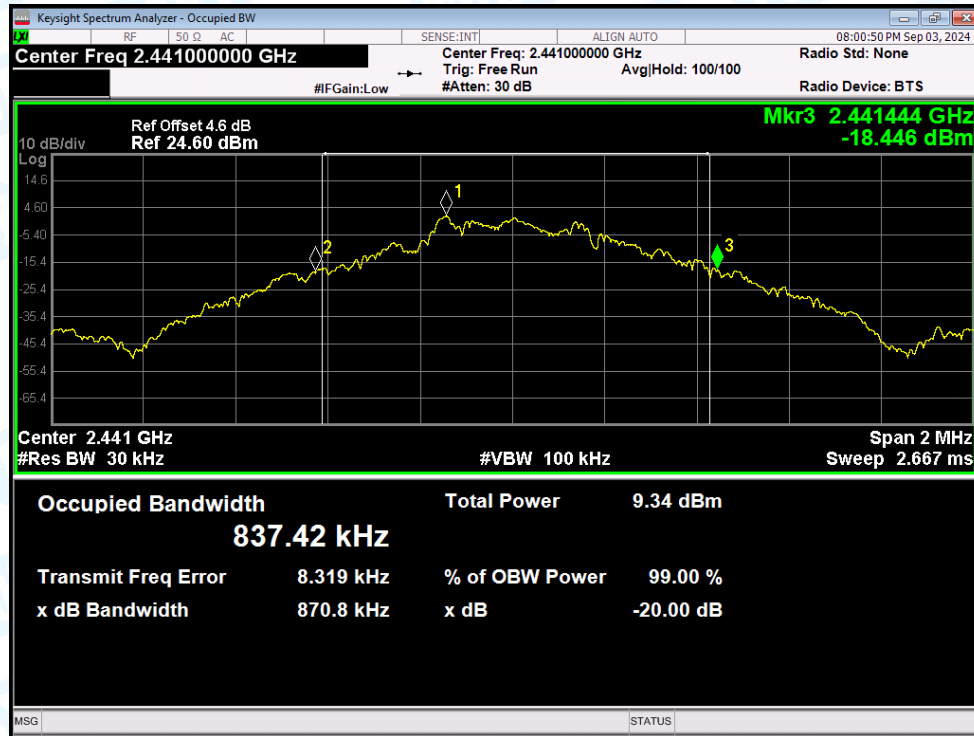
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.87	0	Pass
NVNT	1-DH1	2441	Ant1	0.87	0	Pass
NVNT	1-DH1	2480	Ant1	0.92	0	Pass
NVNT	2-DH1	2402	Ant1	1.26	0	Pass
NVNT	2-DH1	2441	Ant1	1.27	0	Pass
NVNT	2-DH1	2480	Ant1	1.27	0	Pass
NVNT	3-DH1	2402	Ant1	1.22	0	Pass
NVNT	3-DH1	2441	Ant1	1.2	0	Pass
NVNT	3-DH1	2480	Ant1	1.22	0	Pass

Test Graphs

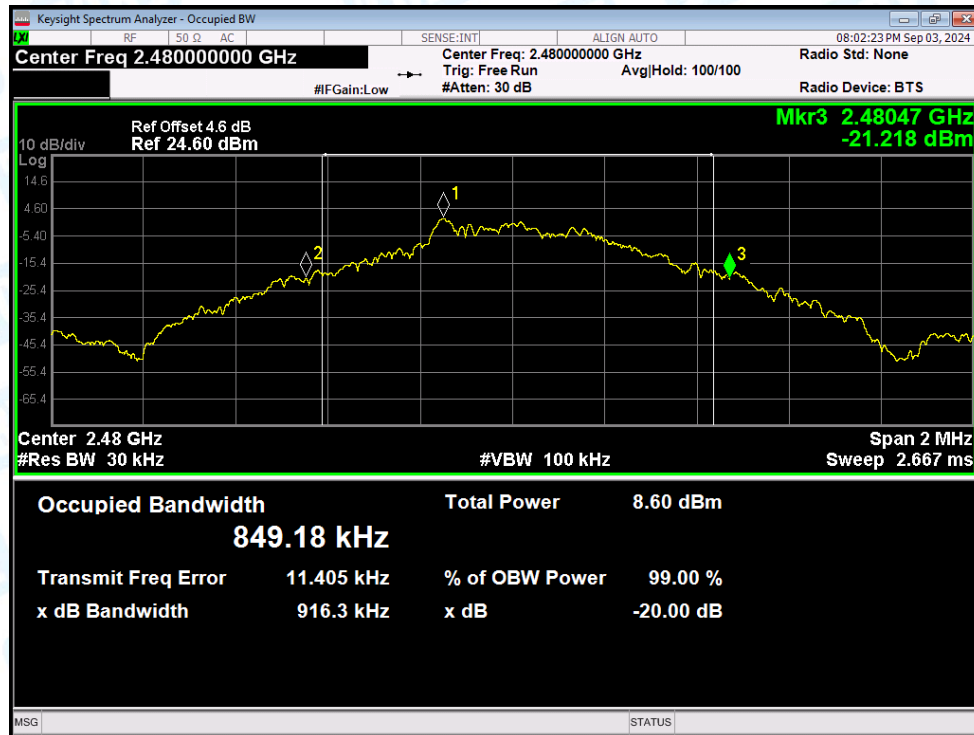
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



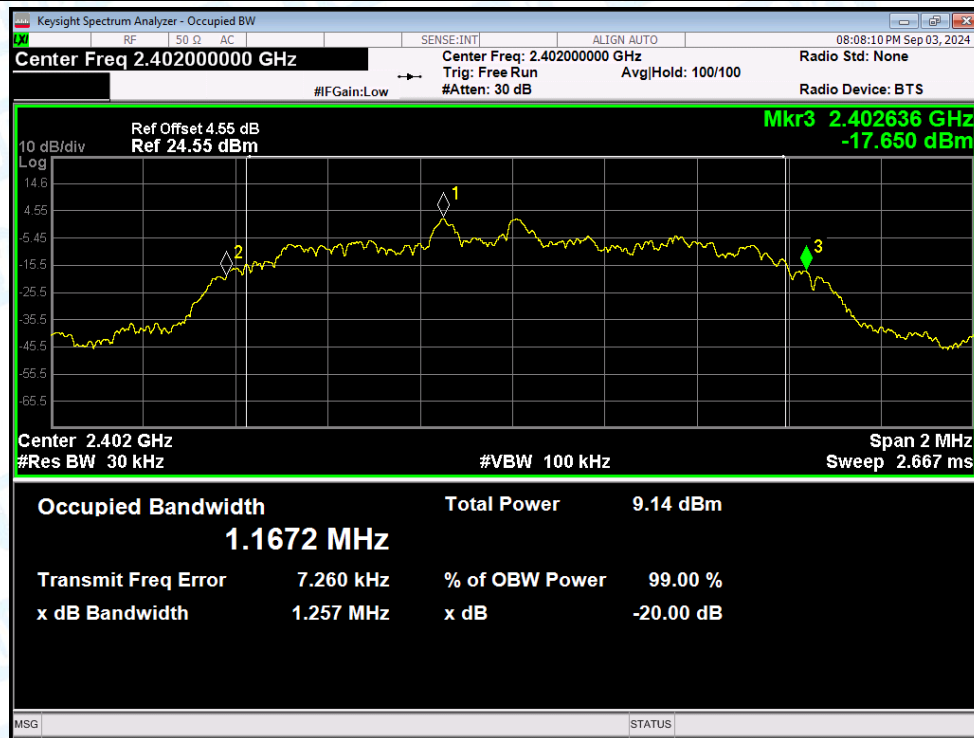
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



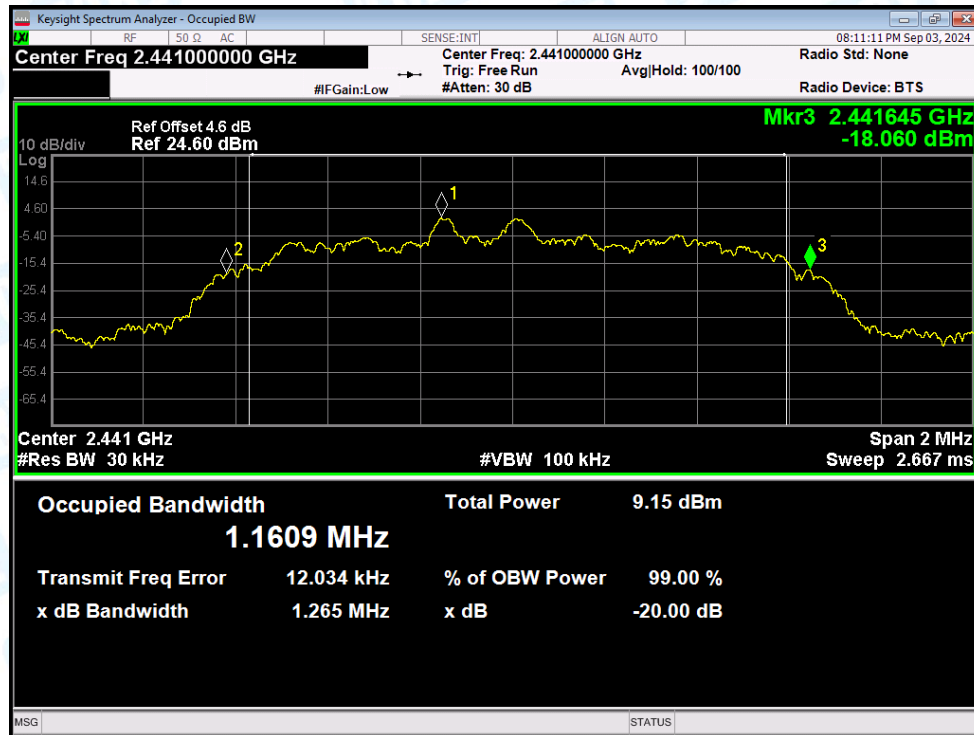
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



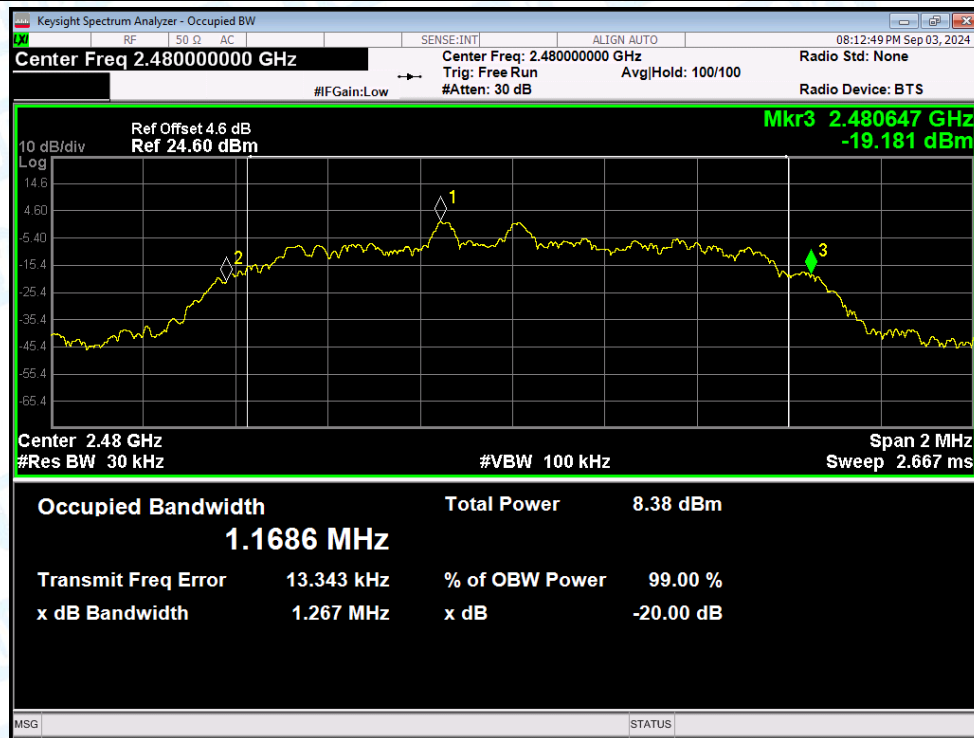
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



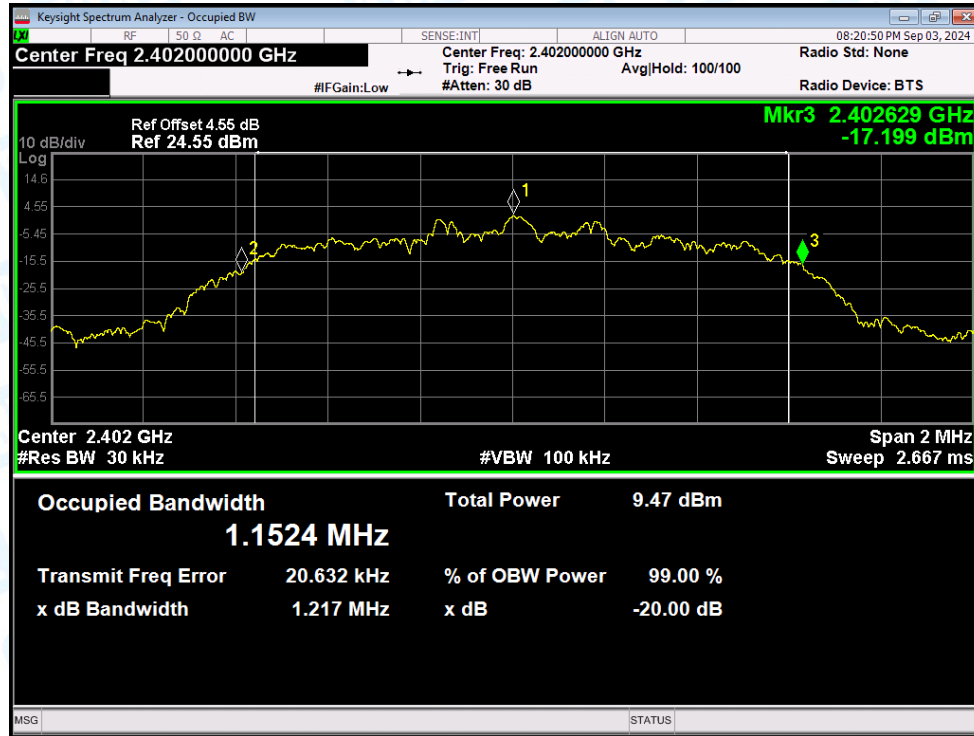
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



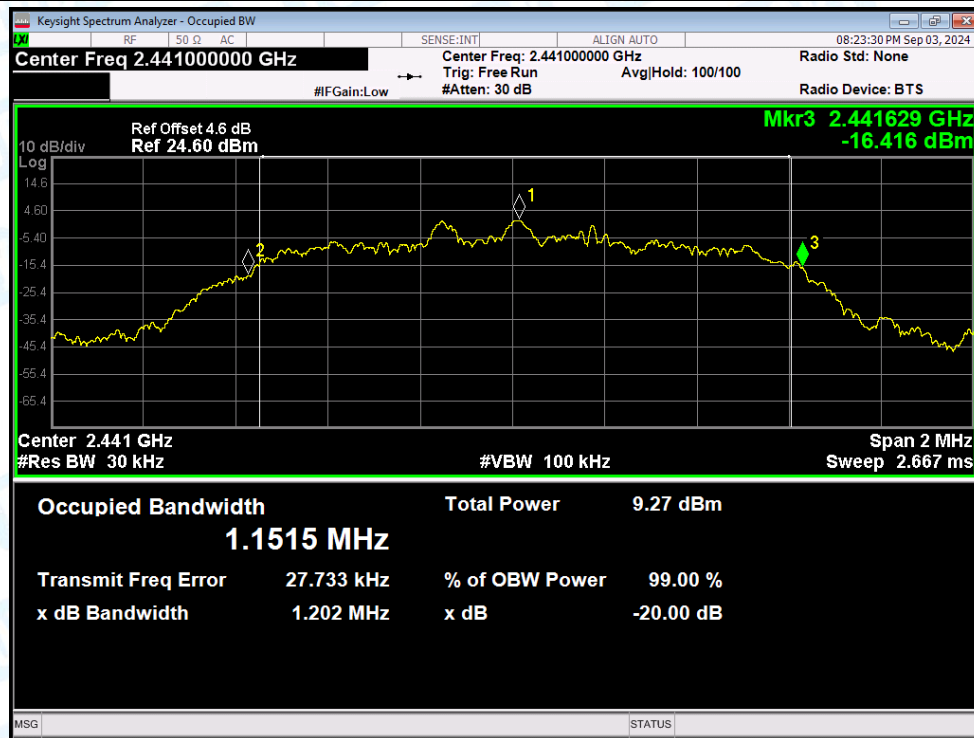
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1

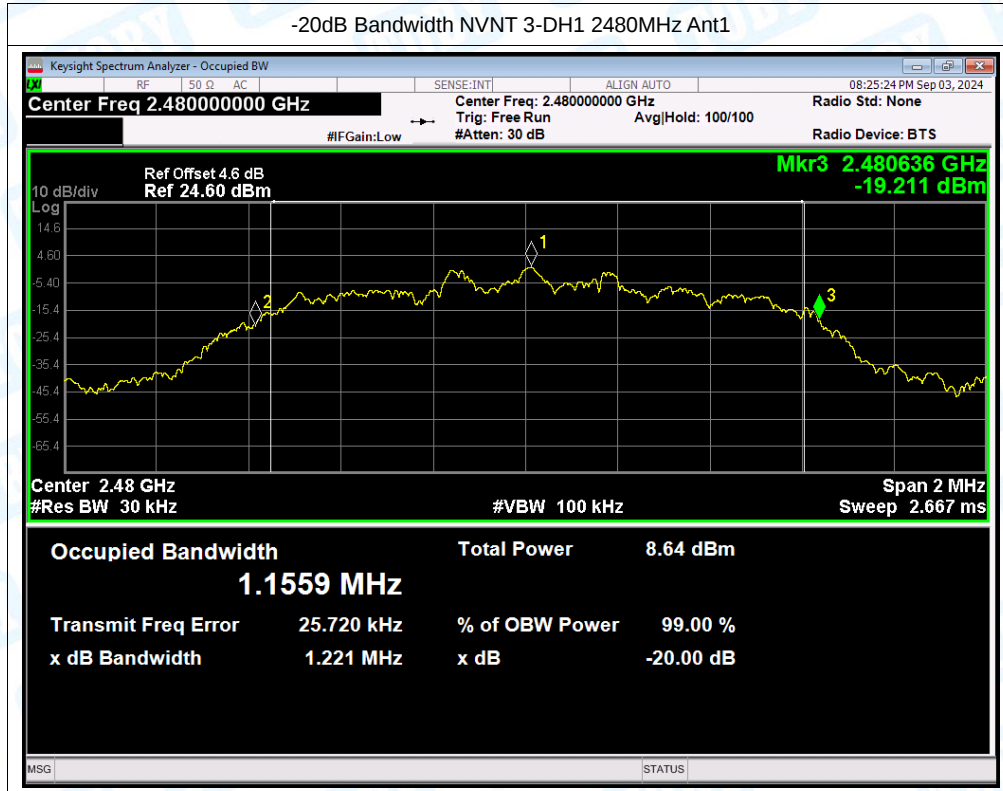


-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



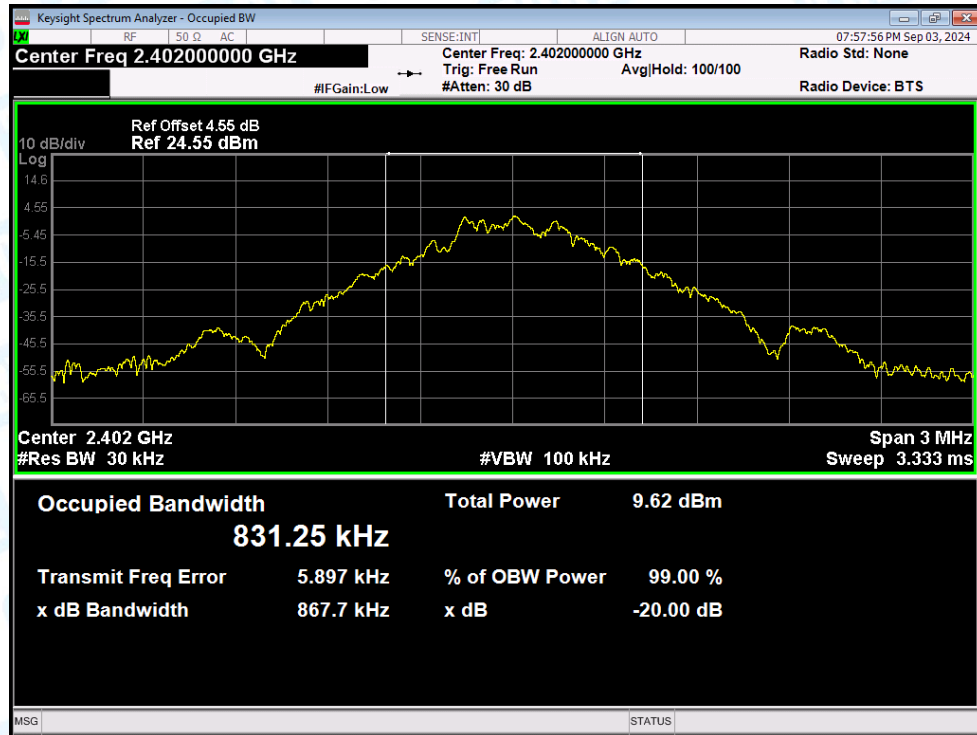


4. Occupied Channel Bandwidth

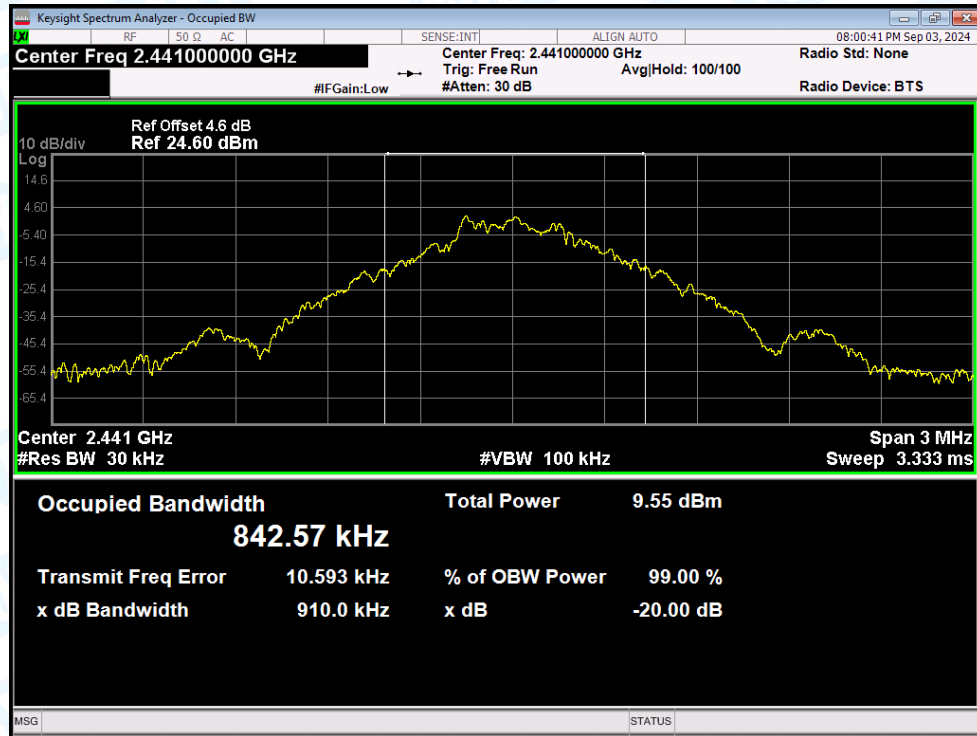
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.831
NVNT	1-DH1	2441	Ant1	0.843
NVNT	1-DH1	2480	Ant1	0.846
NVNT	2-DH1	2402	Ant1	1.165
NVNT	2-DH1	2441	Ant1	1.173
NVNT	2-DH1	2480	Ant1	1.17
NVNT	3-DH1	2402	Ant1	1.15
NVNT	3-DH1	2441	Ant1	1.155
NVNT	3-DH1	2480	Ant1	1.159

Test Graphs

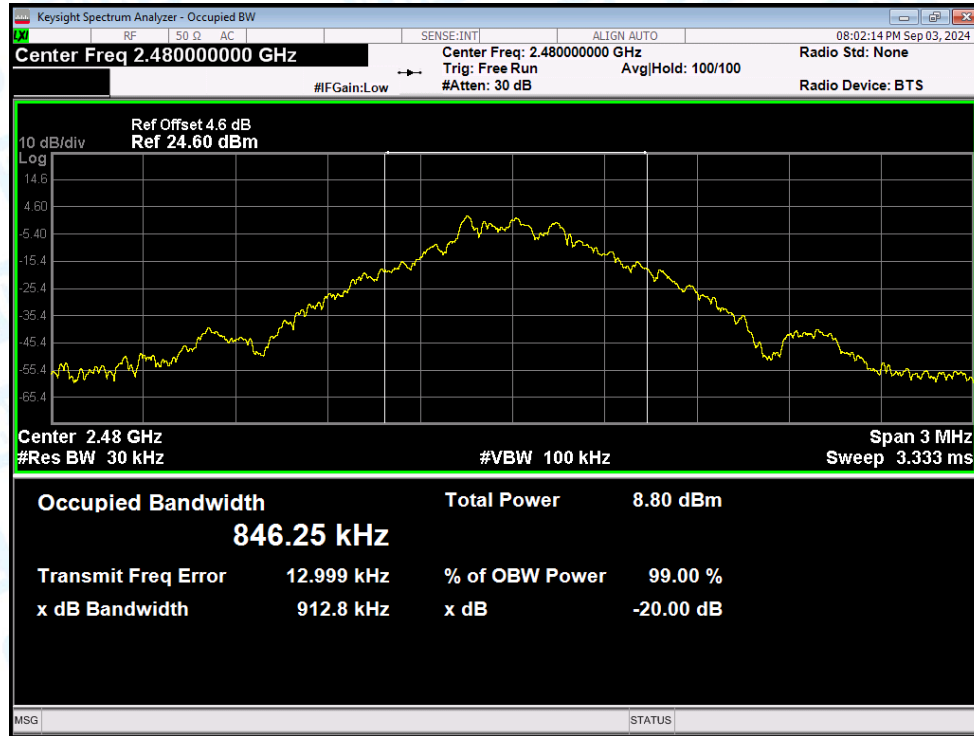
OBW NVNT 1-DH1 2402MHz Ant1



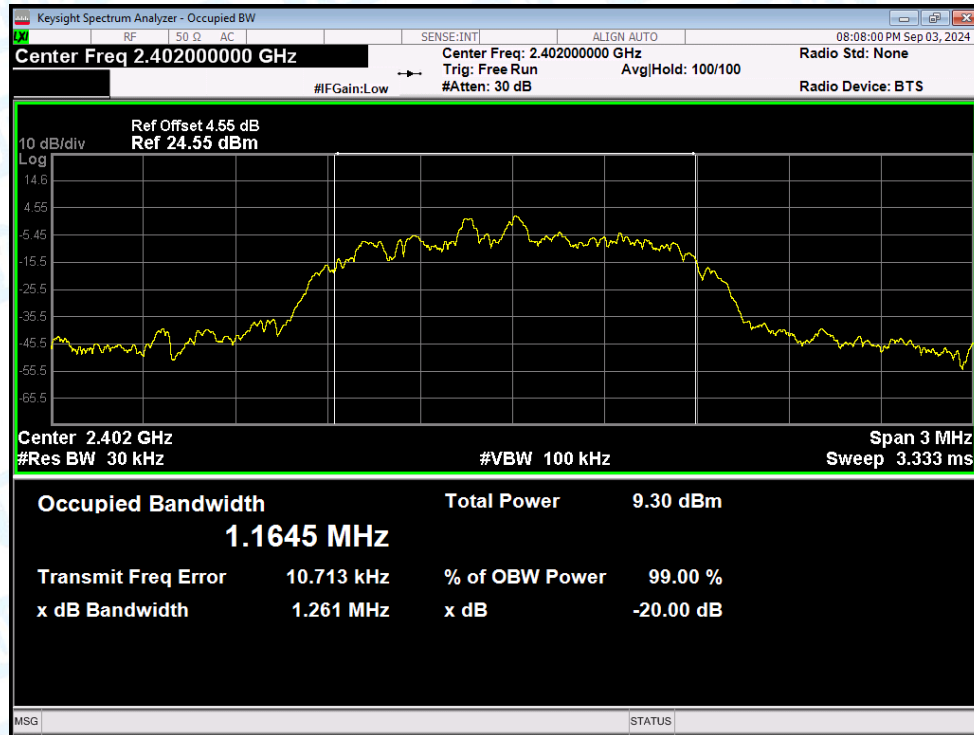
OBW NVNT 1-DH1 2441MHz Ant1



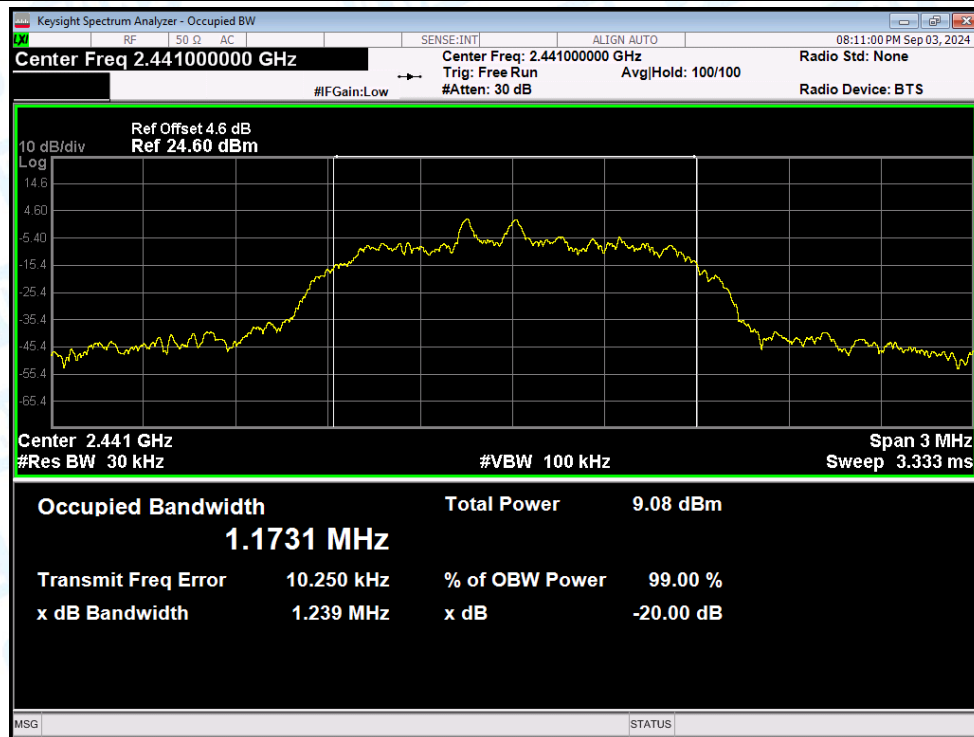
OBW NVNT 1-DH1 2480MHz Ant1



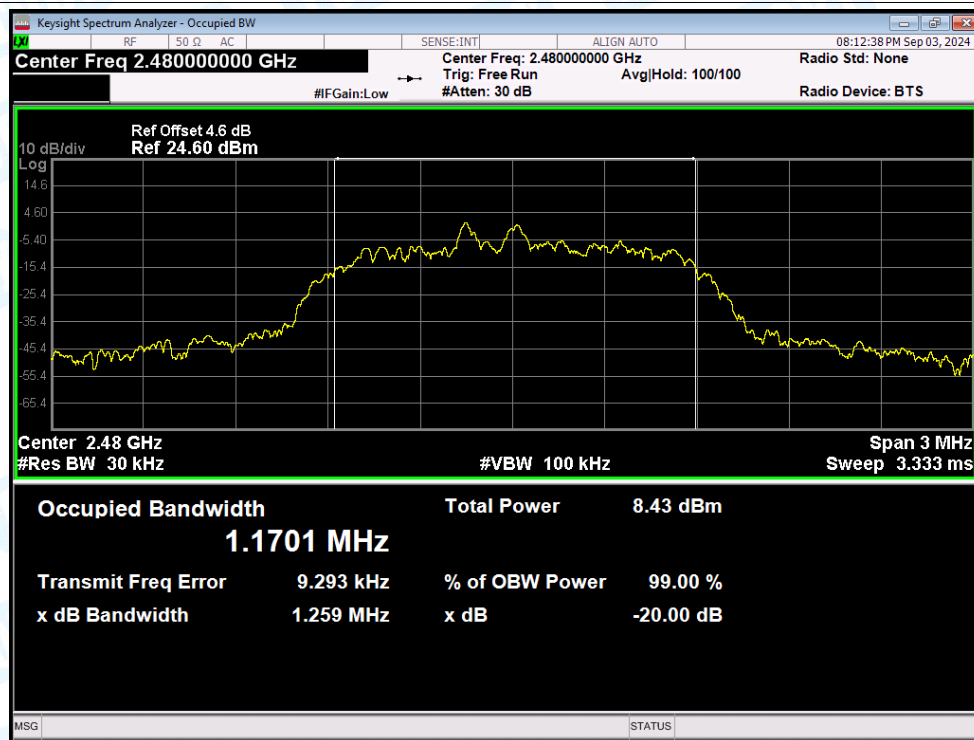
OBW NVNT 2-DH1 2402MHz Ant1



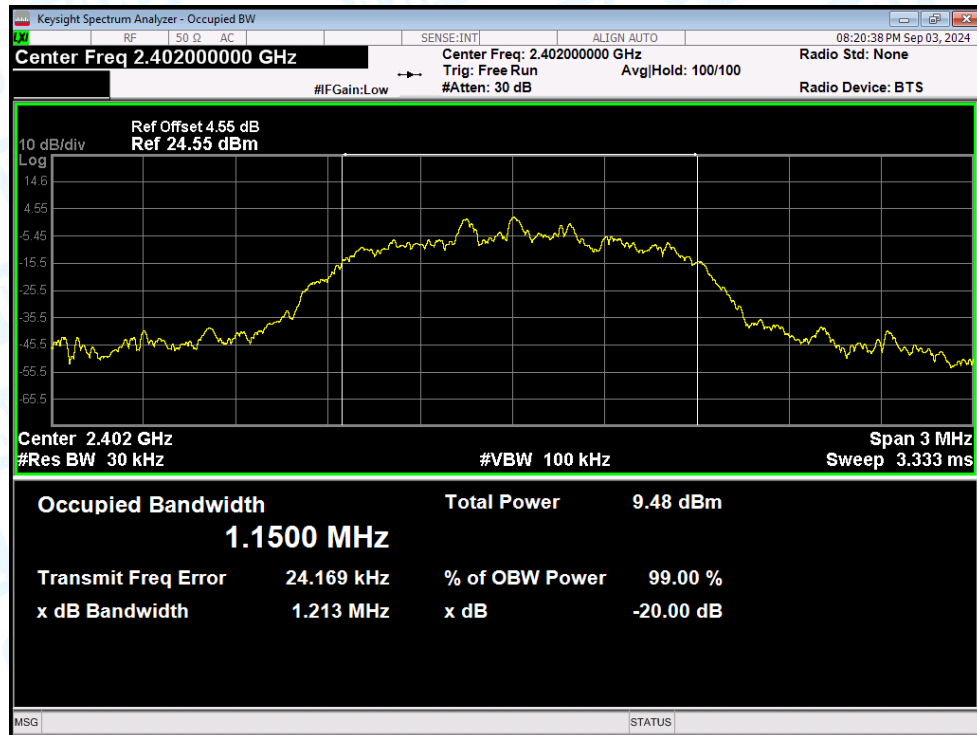
OBW NVNT 2-DH1 2441MHz Ant1



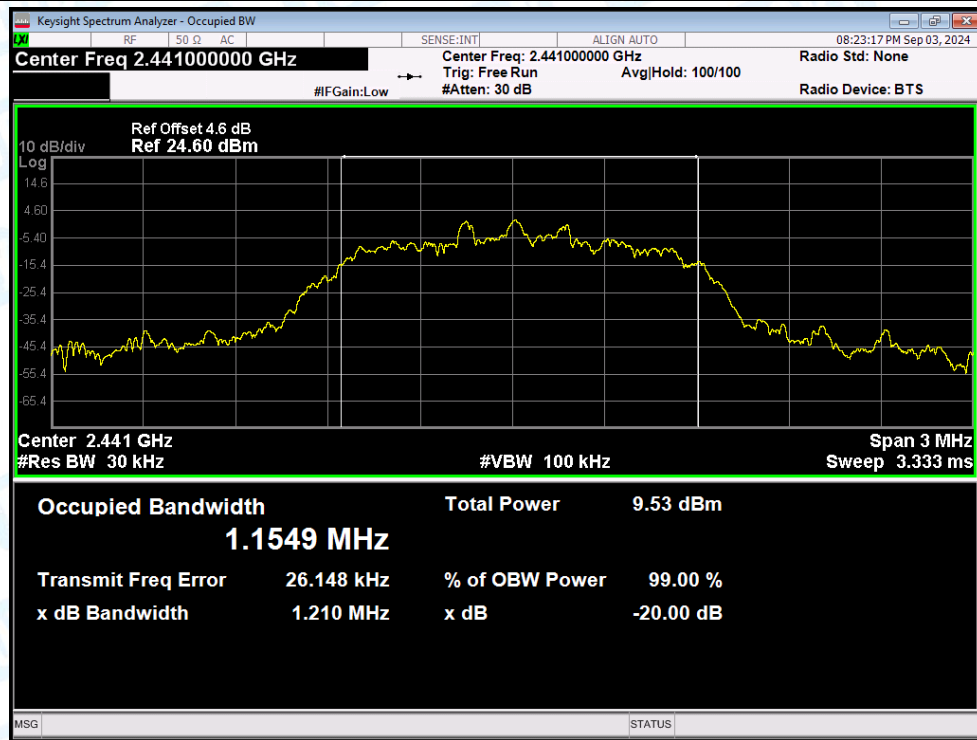
OBW NVNT 2-DH1 2480MHz Ant1

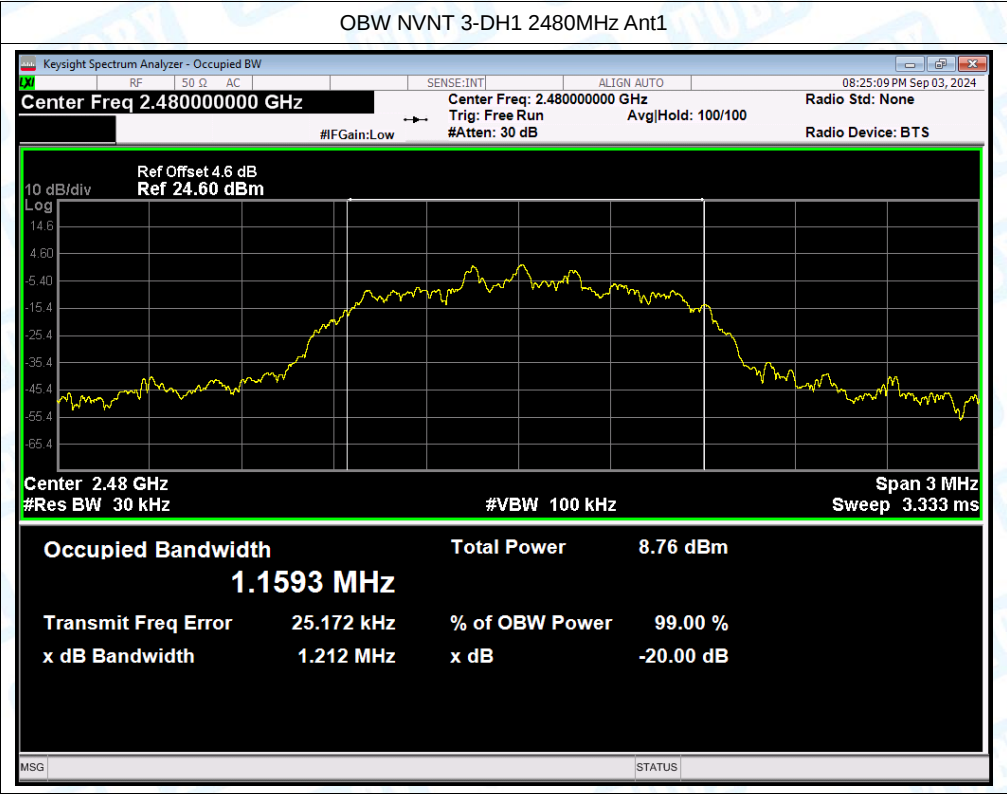


OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



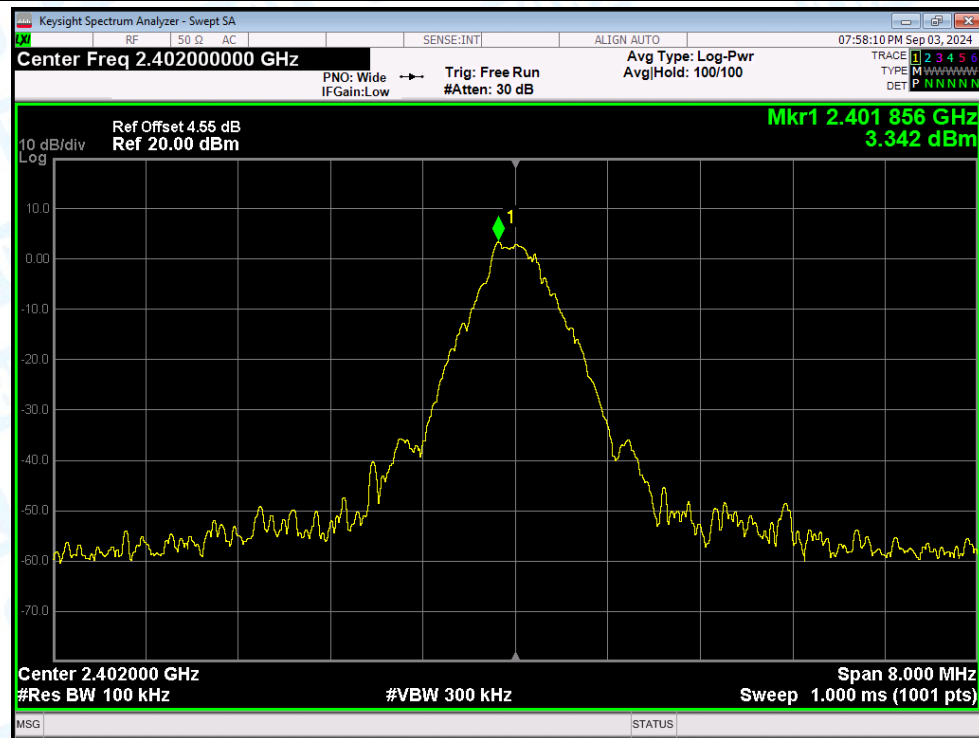


5. Band Edge

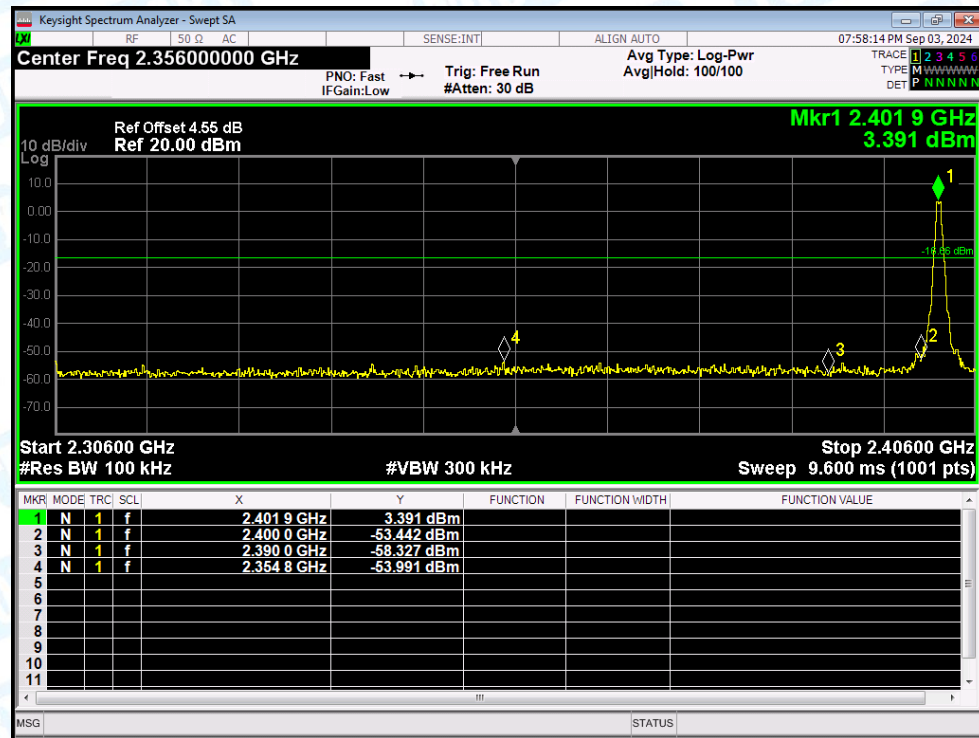
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-57.33	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-55.84	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-57.82	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-56.78	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-56.96	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-56.32	-20	Pass

Test Graphs

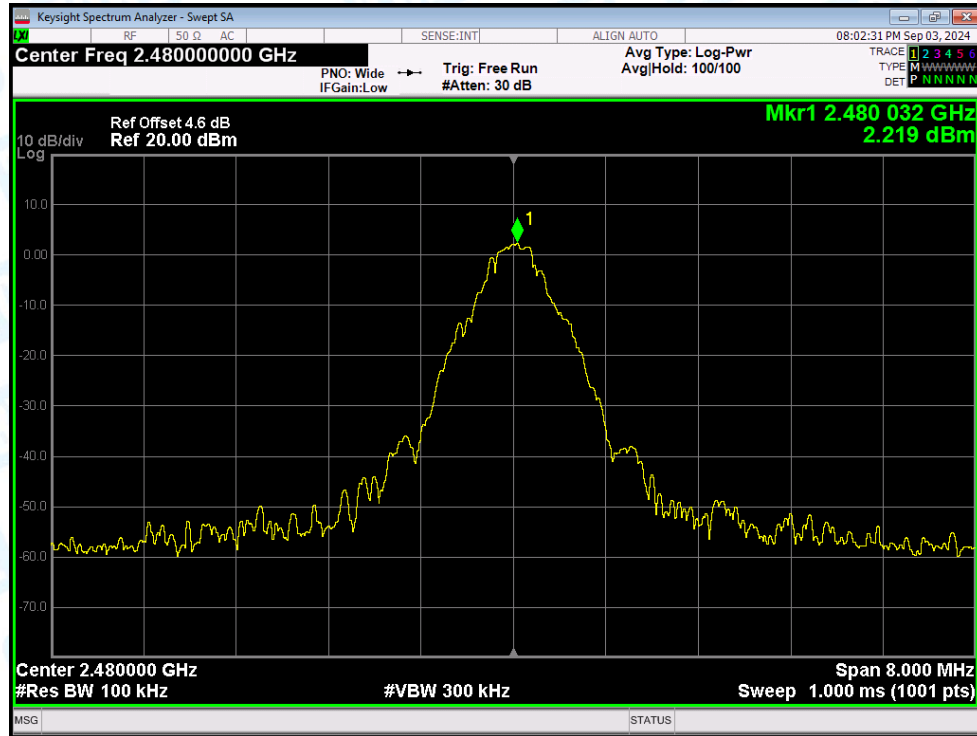
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



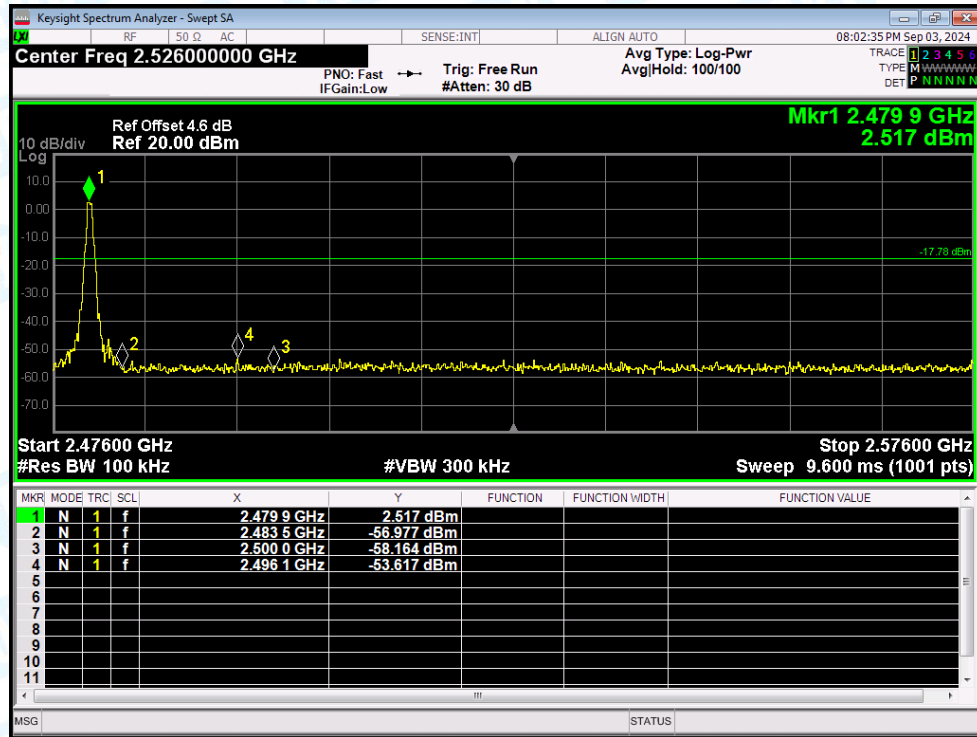
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



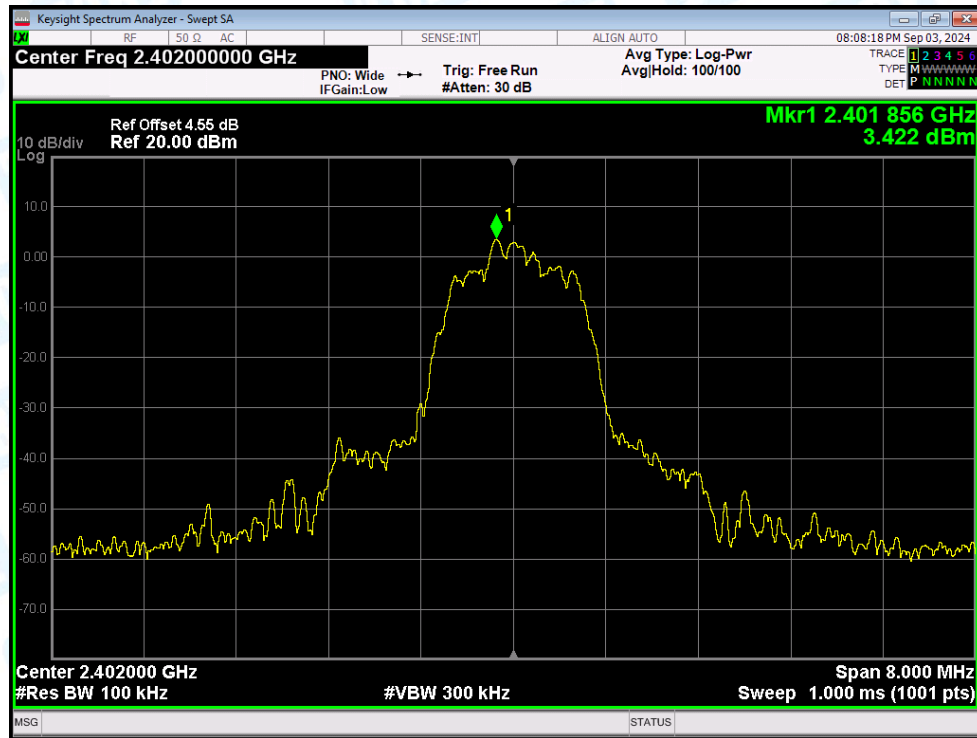
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



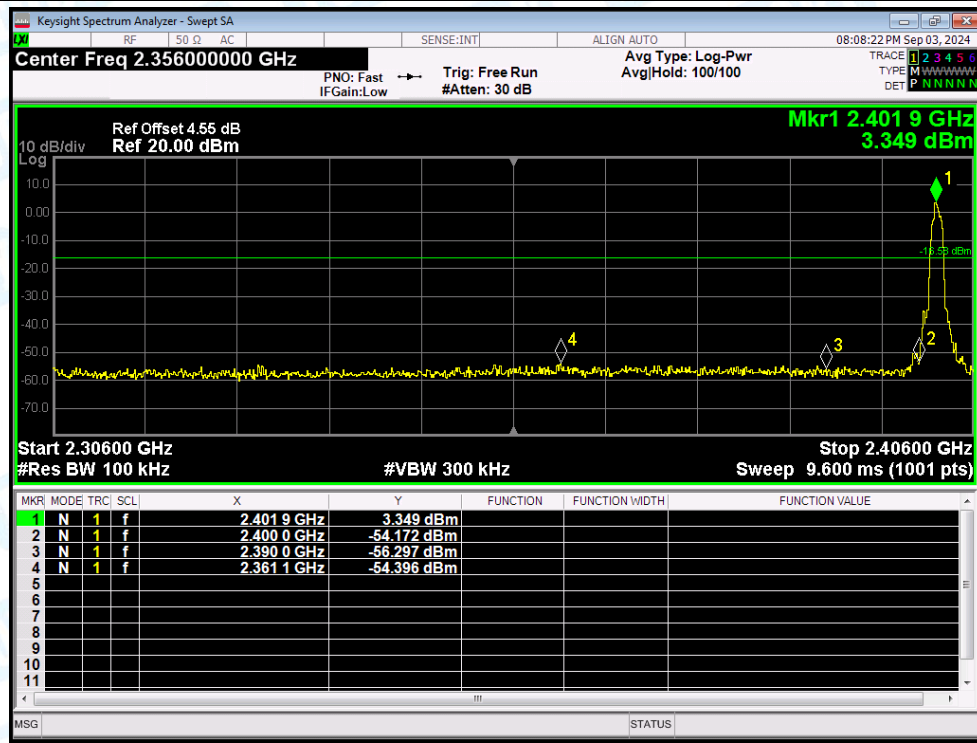
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



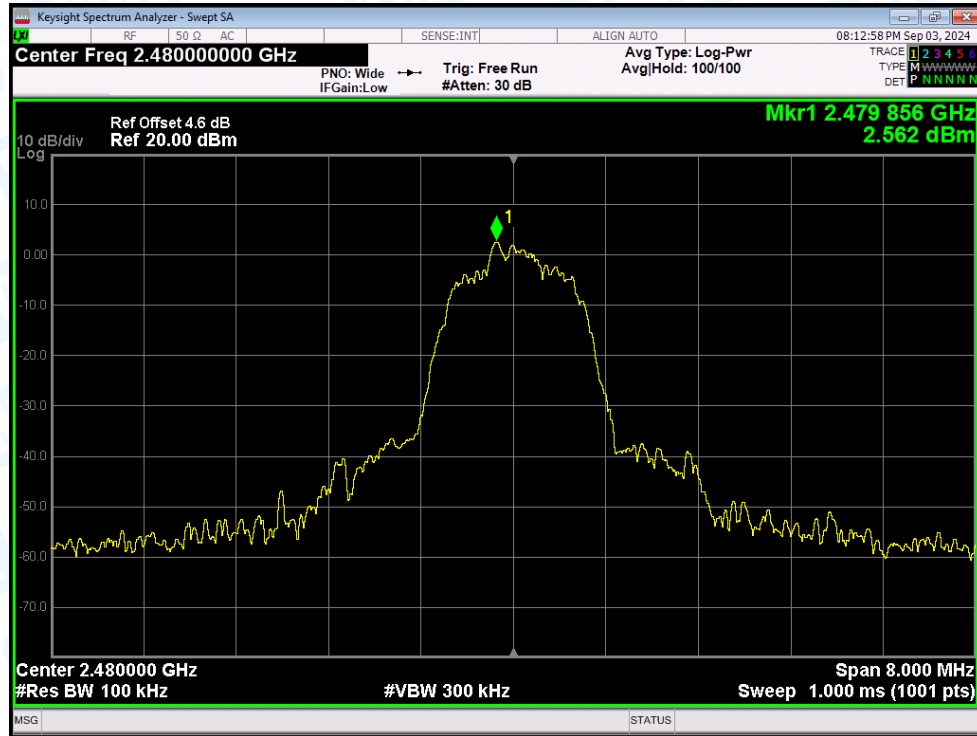
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



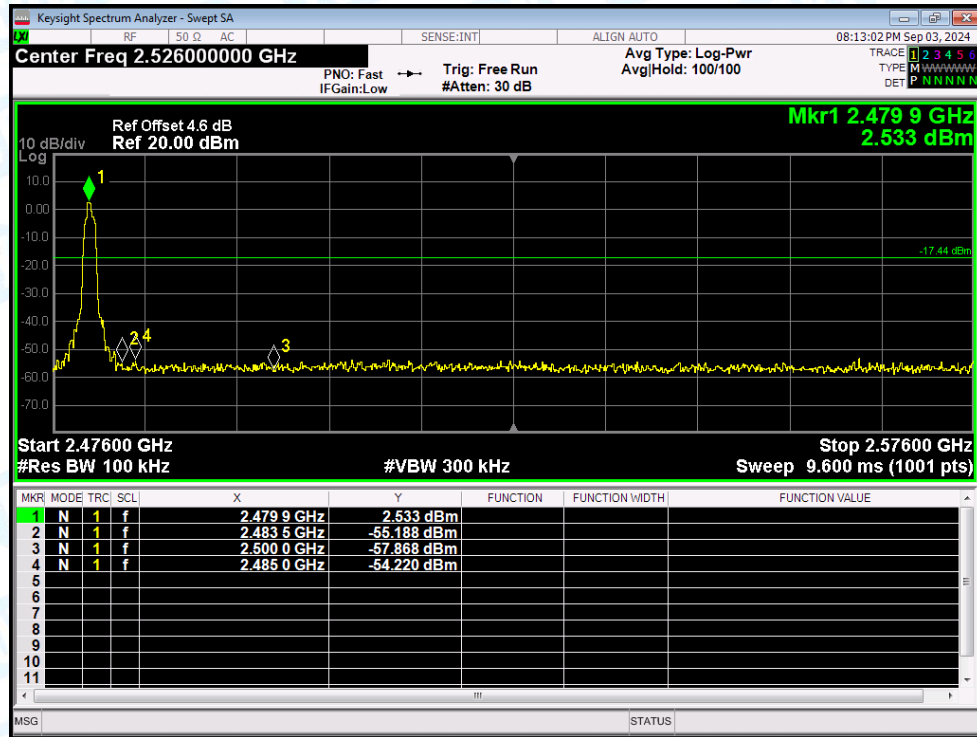
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



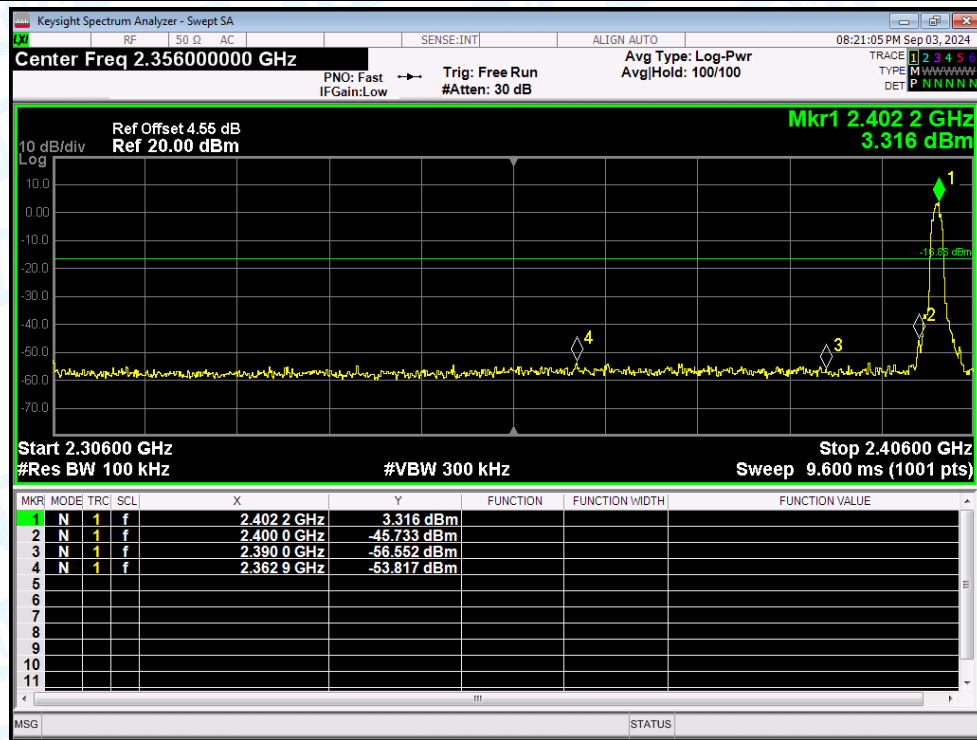
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



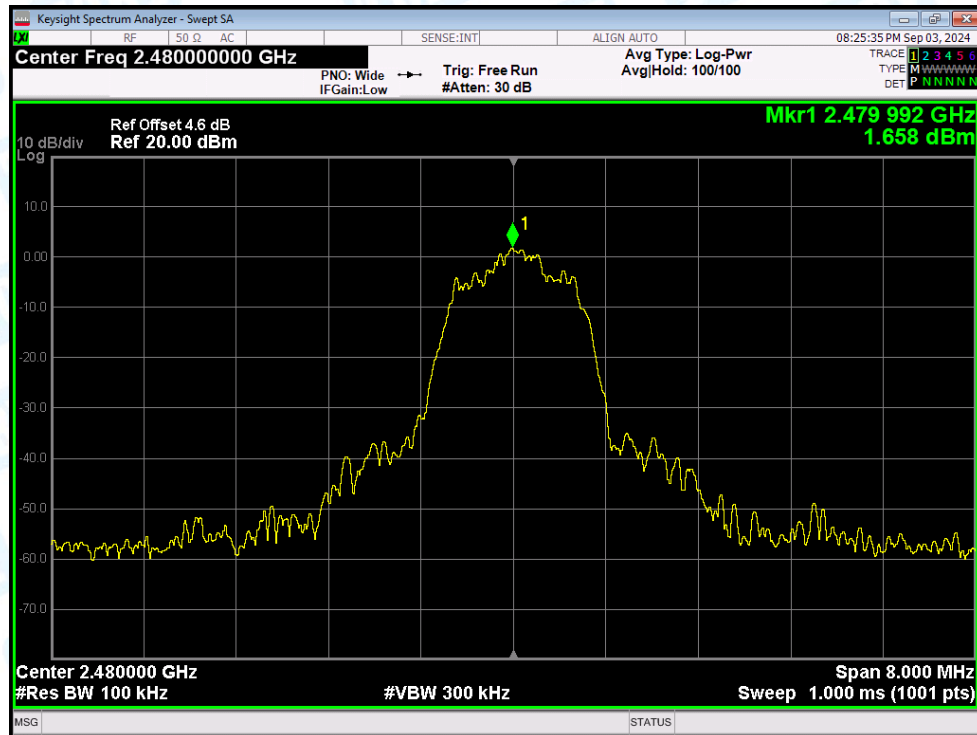
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



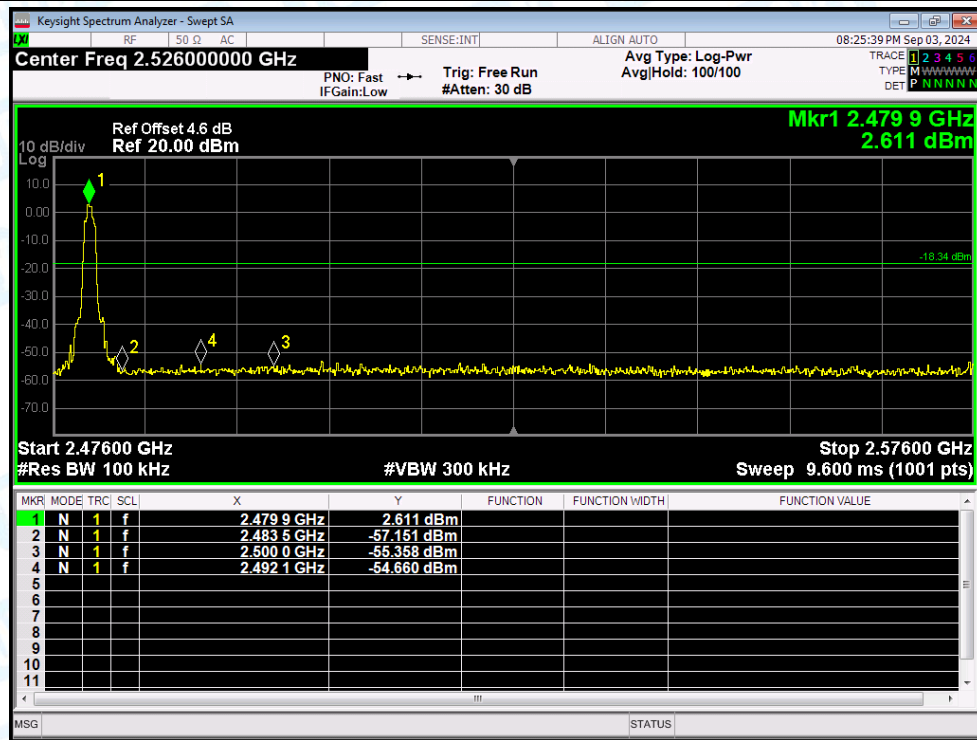
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

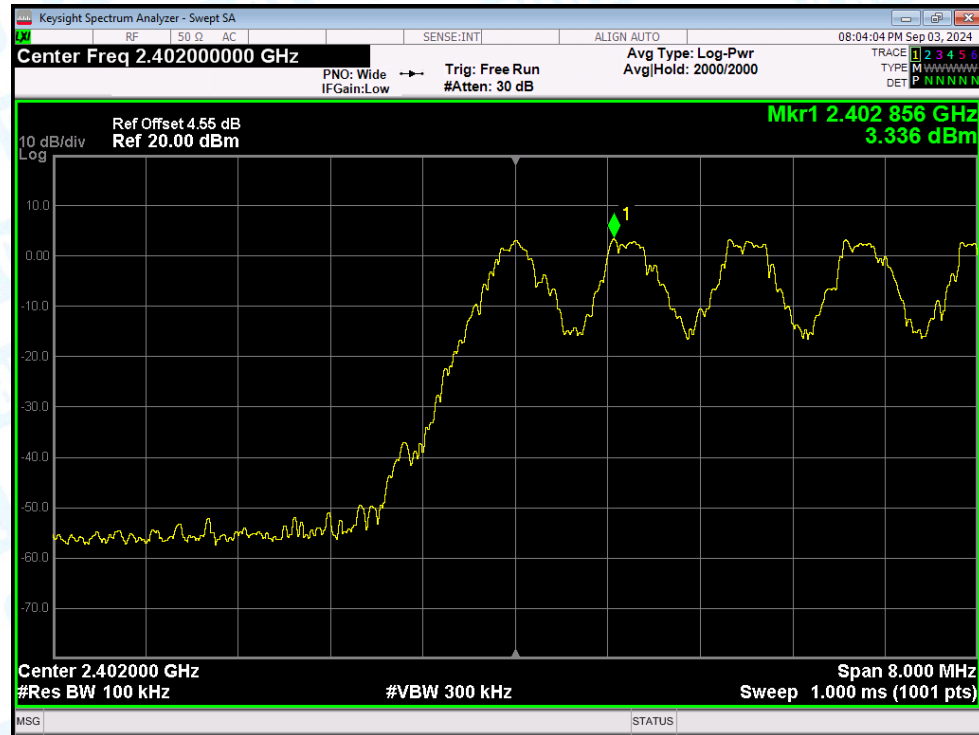


6. Band Edge(Hopping)

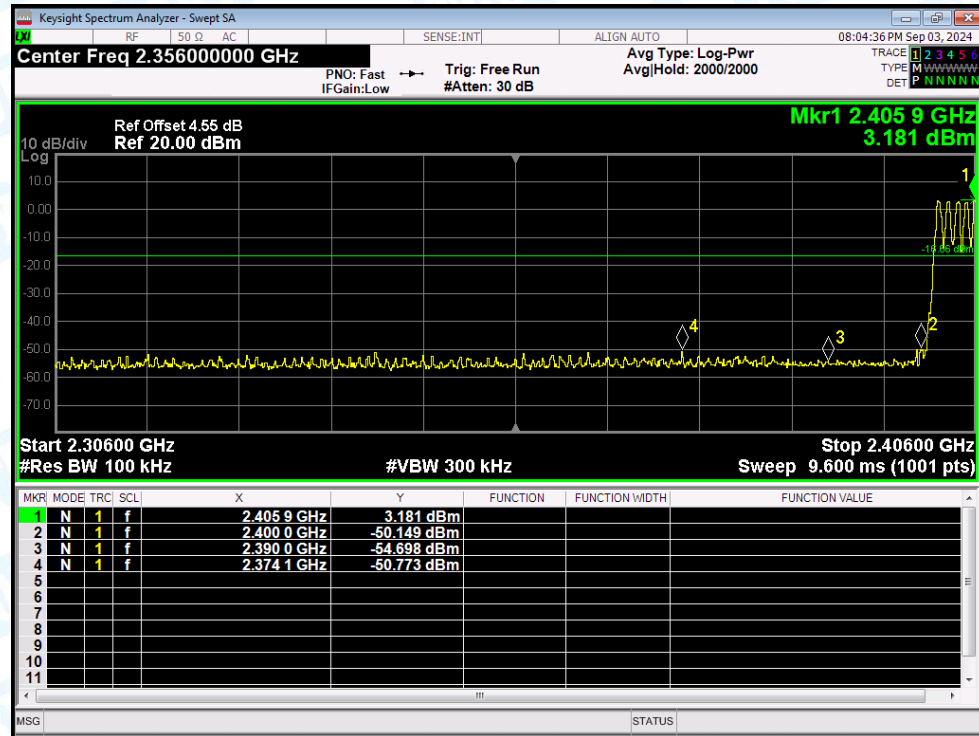
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-54.11	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-54.89	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-54.47	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-56.11	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-54.92	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-54.78	-20	Pass

Test Graphs

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



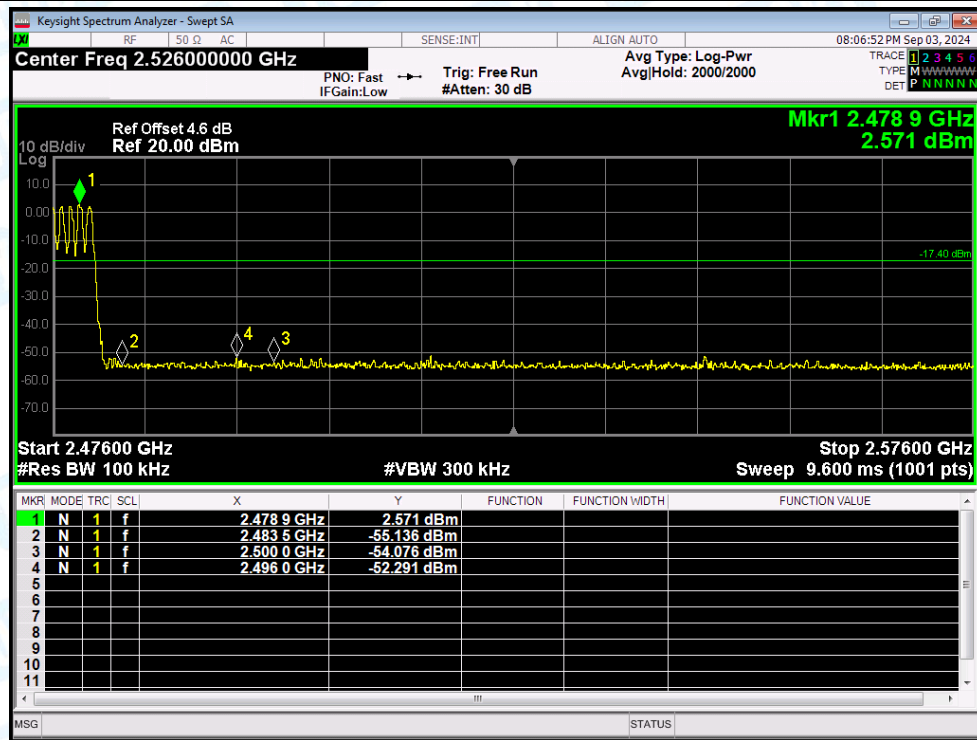
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



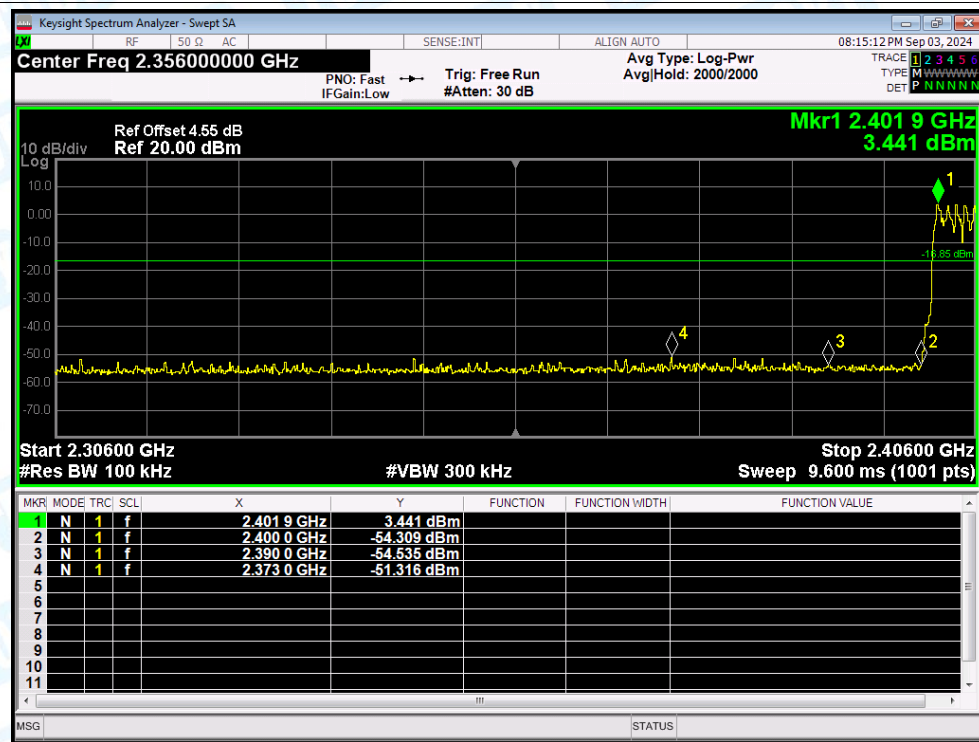
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



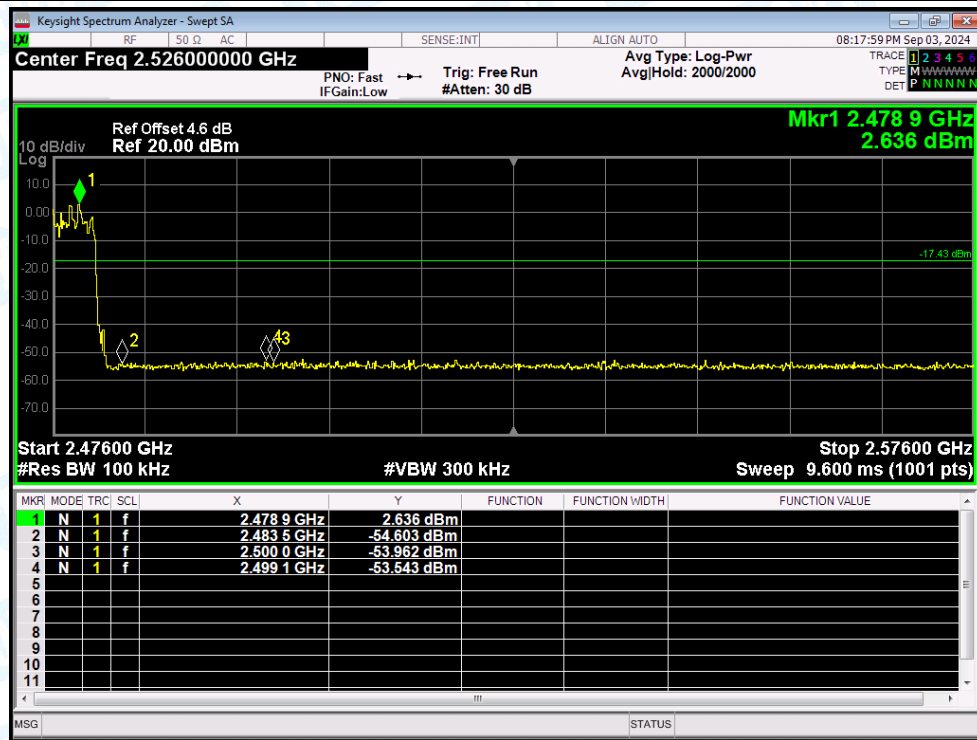
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



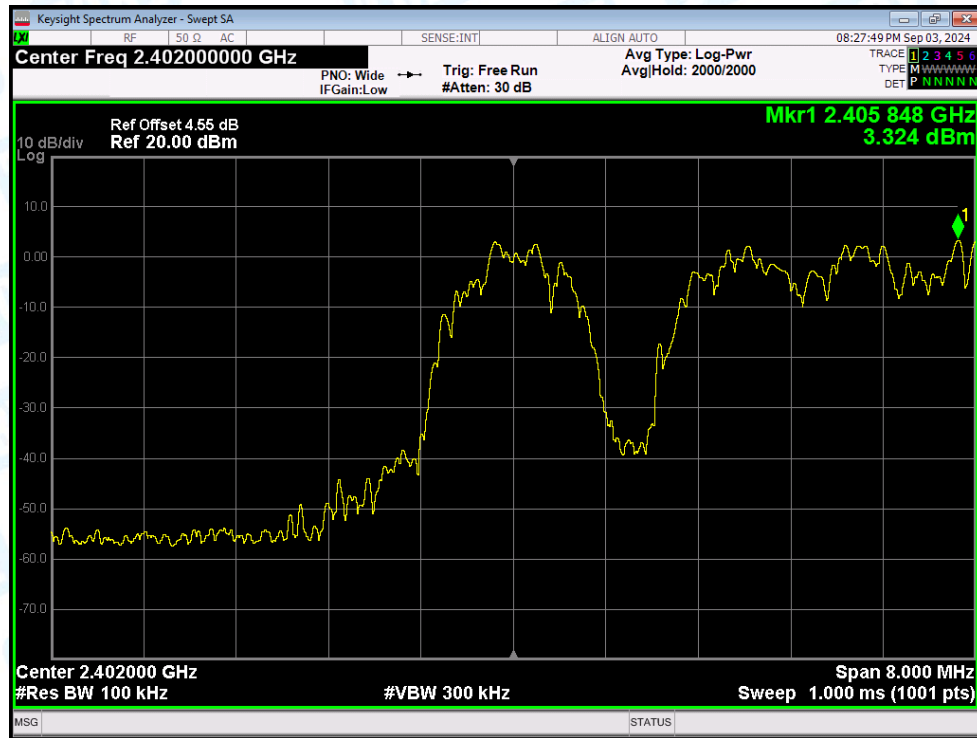
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



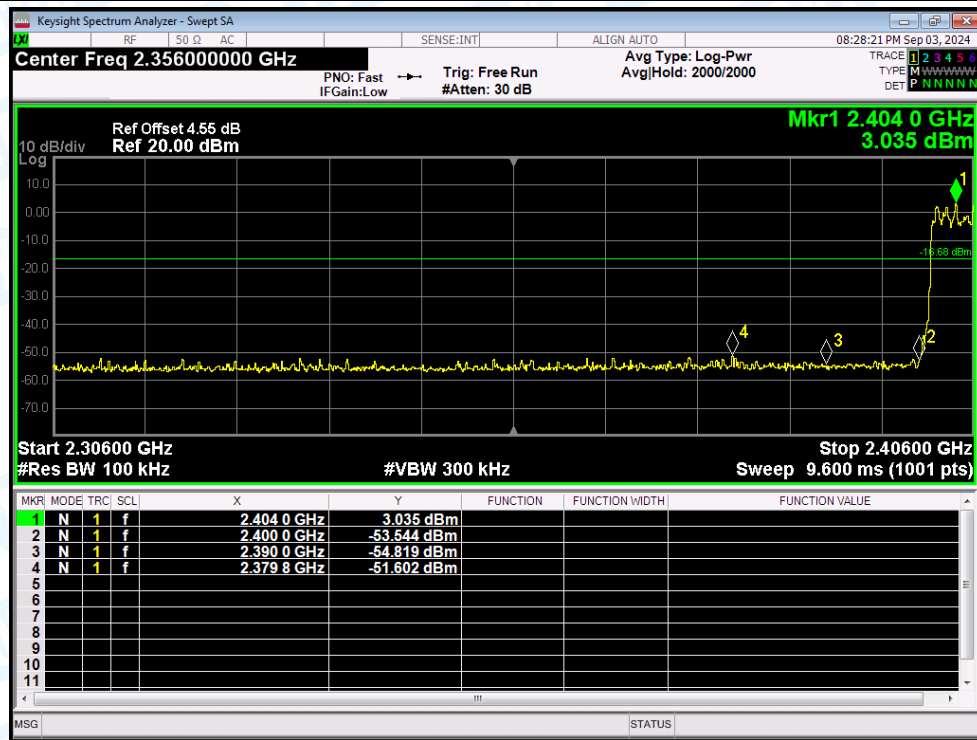
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



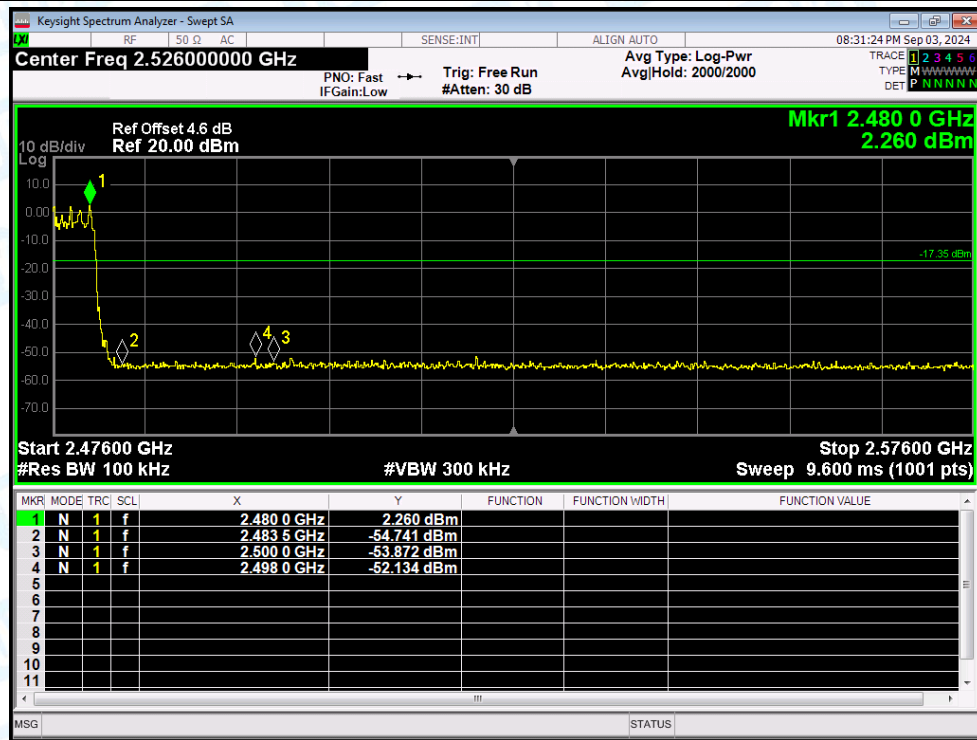
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

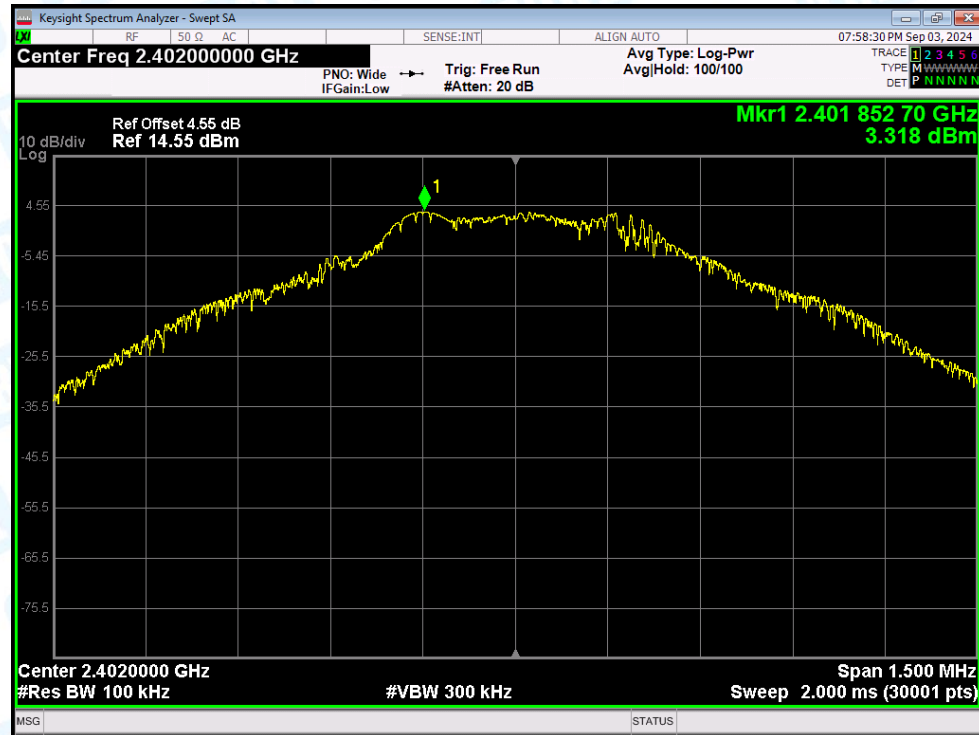


7. Conducted RF Spurious Emission

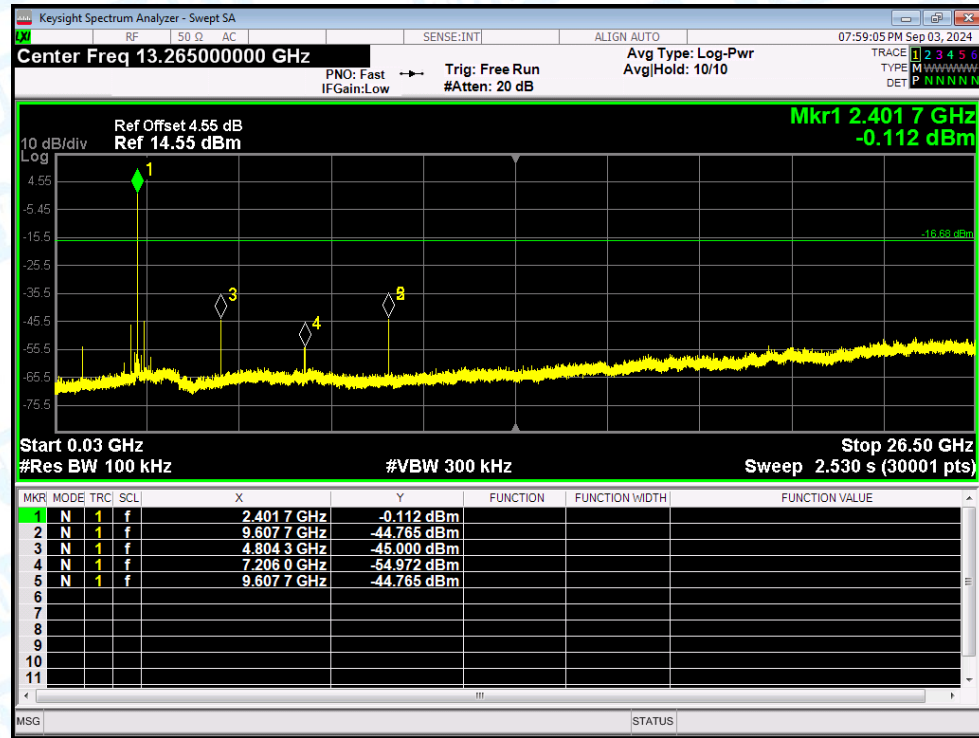
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-48.09	-20	Pass
NVNT	1-DH1	2441	Ant1	-47.45	-20	Pass
NVNT	1-DH1	2480	Ant1	-45.76	-20	Pass
NVNT	2-DH1	2402	Ant1	-47.48	-20	Pass
NVNT	2-DH1	2441	Ant1	-48.34	-20	Pass
NVNT	2-DH1	2480	Ant1	-45.9	-20	Pass
NVNT	3-DH1	2402	Ant1	-47.59	-20	Pass
NVNT	3-DH1	2441	Ant1	-48.12	-20	Pass
NVNT	3-DH1	2480	Ant1	-45.77	-20	Pass

Test Graphs

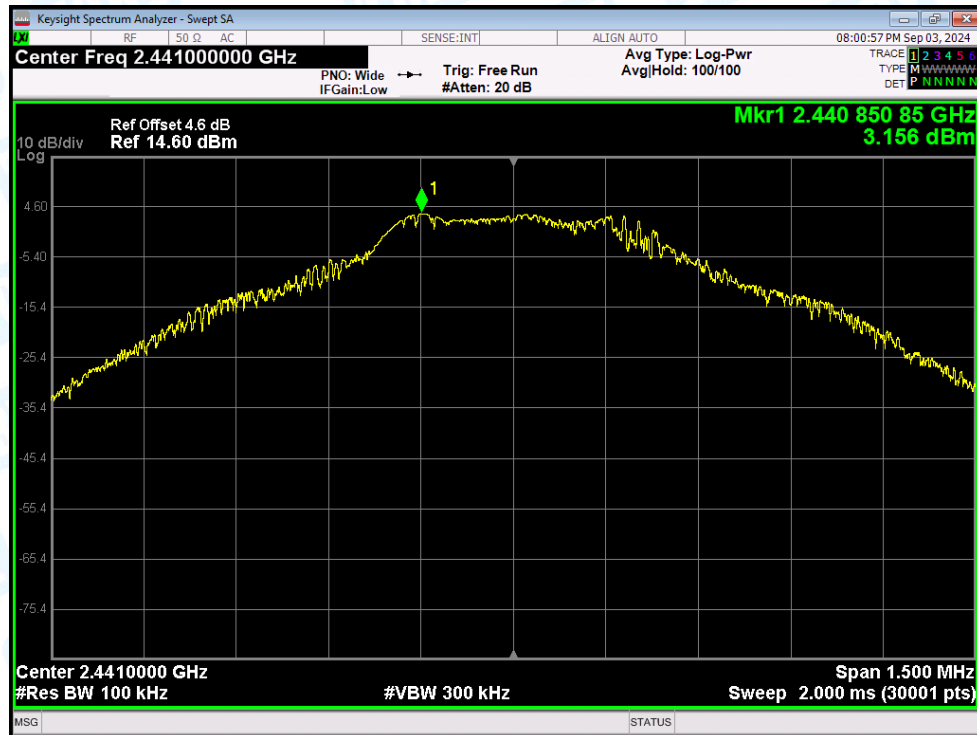
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref



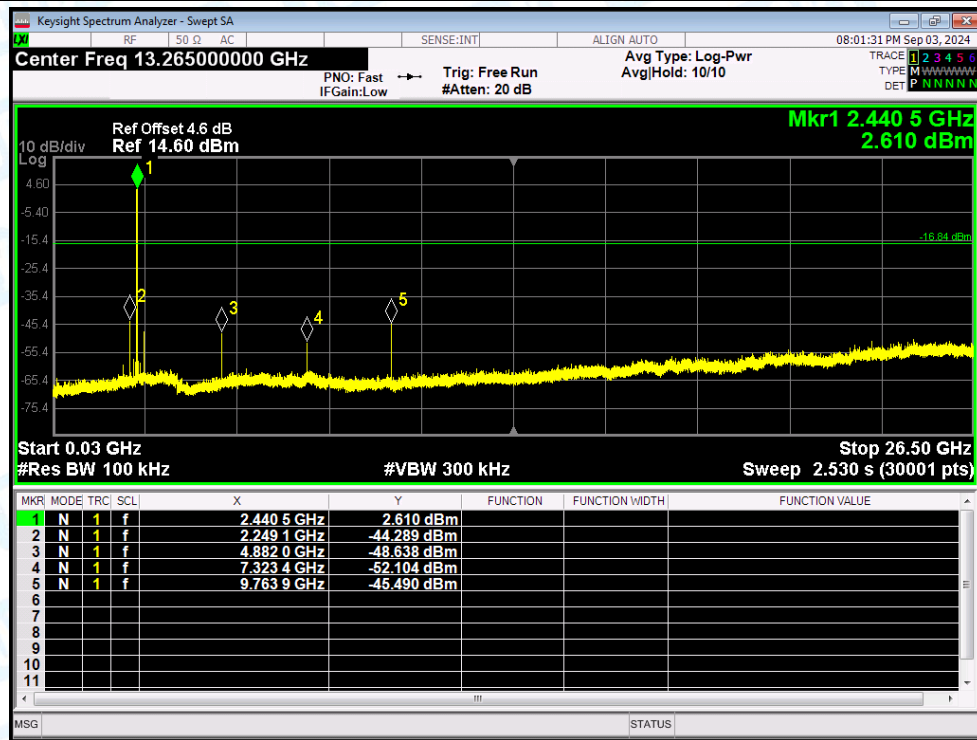
Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission



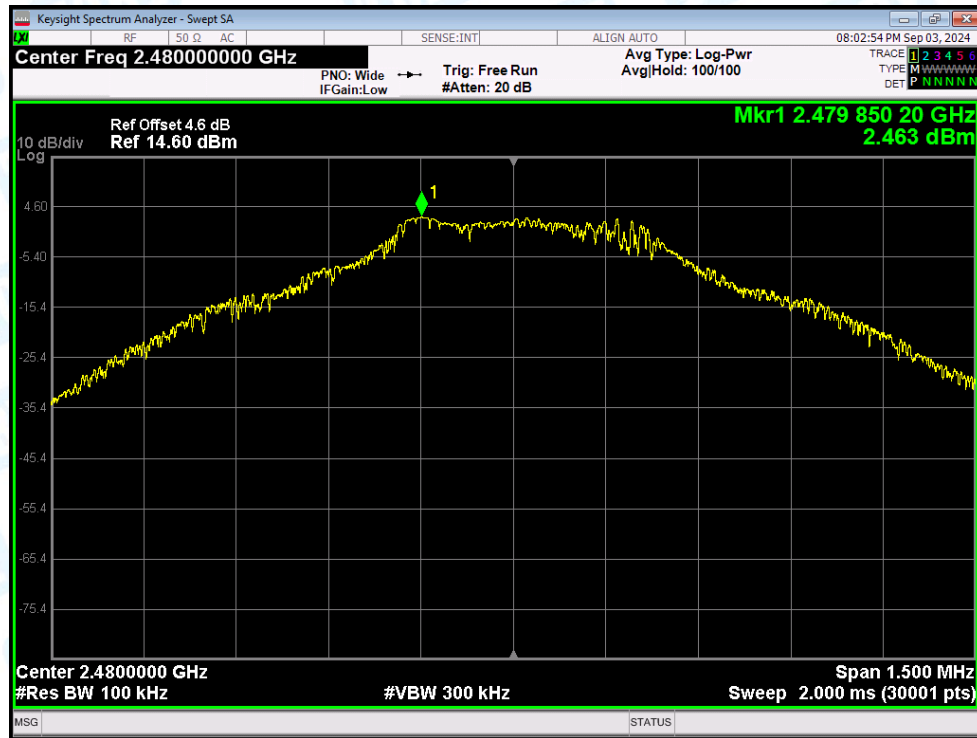
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



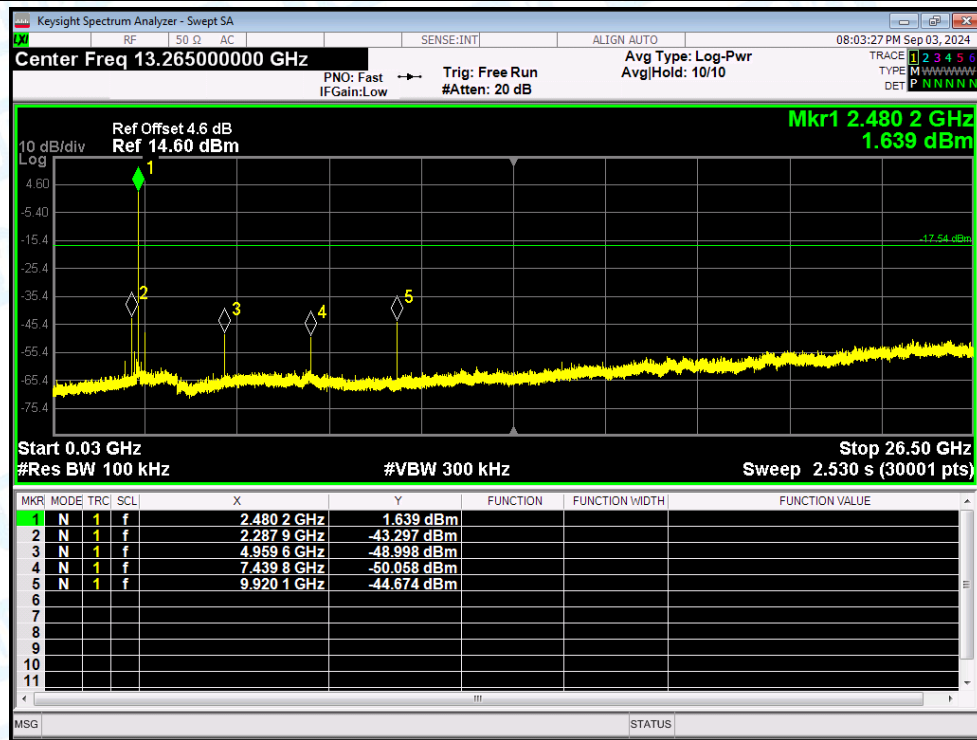
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



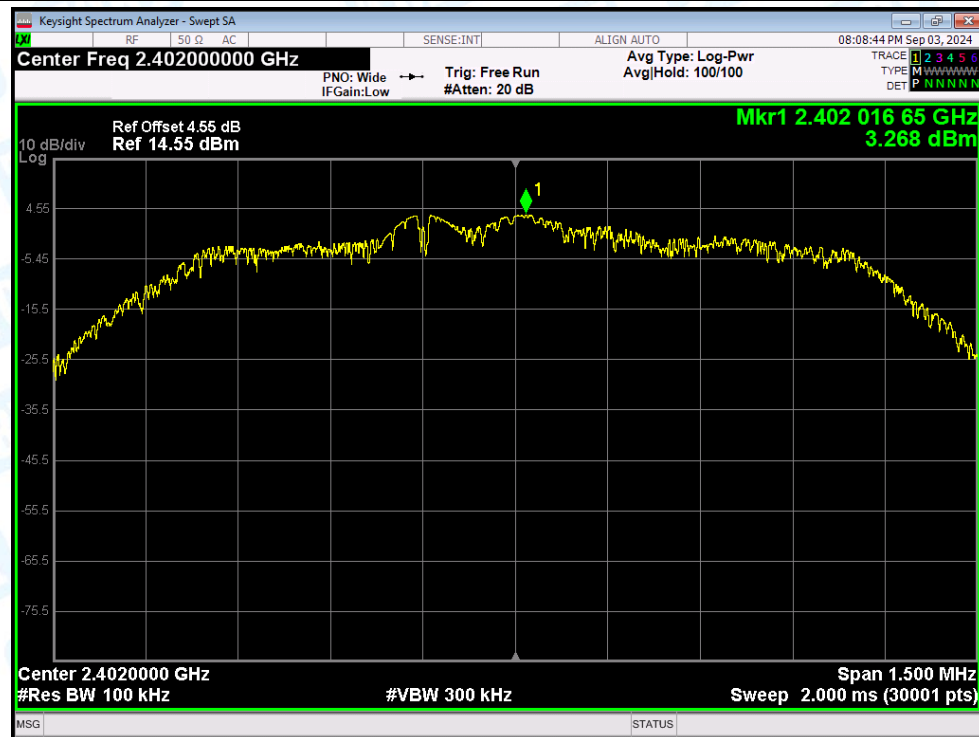
Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



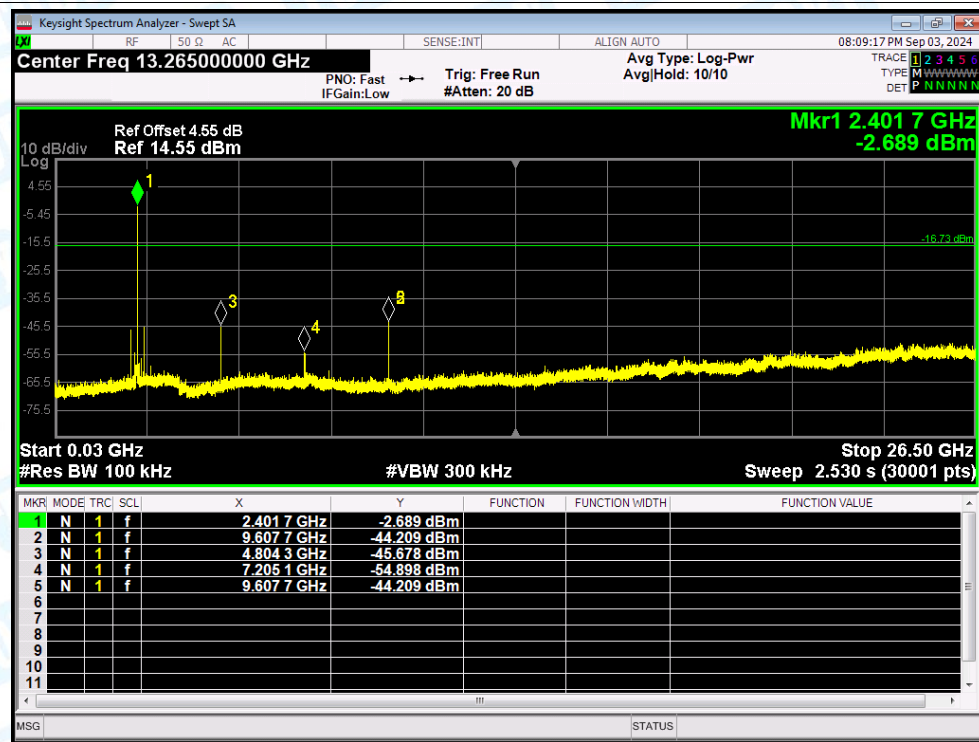
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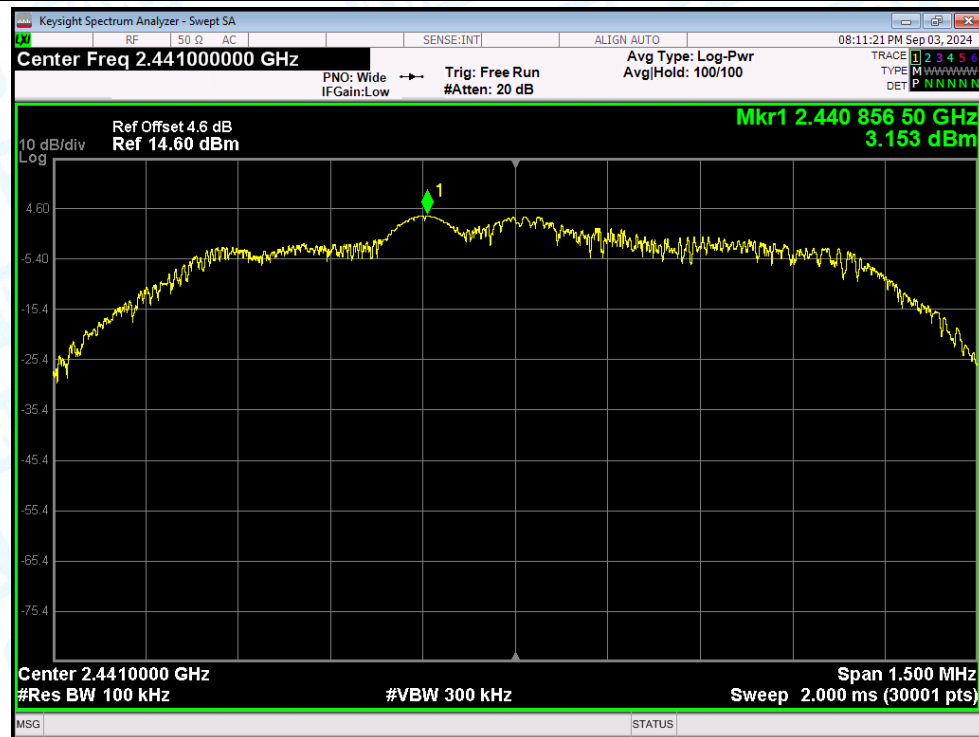
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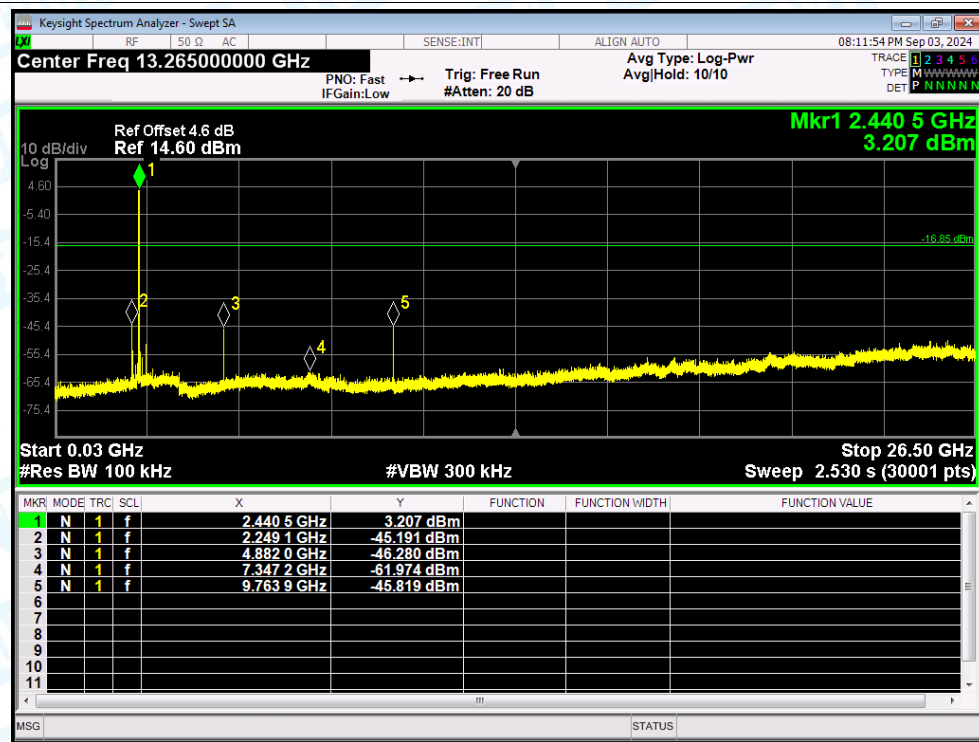
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



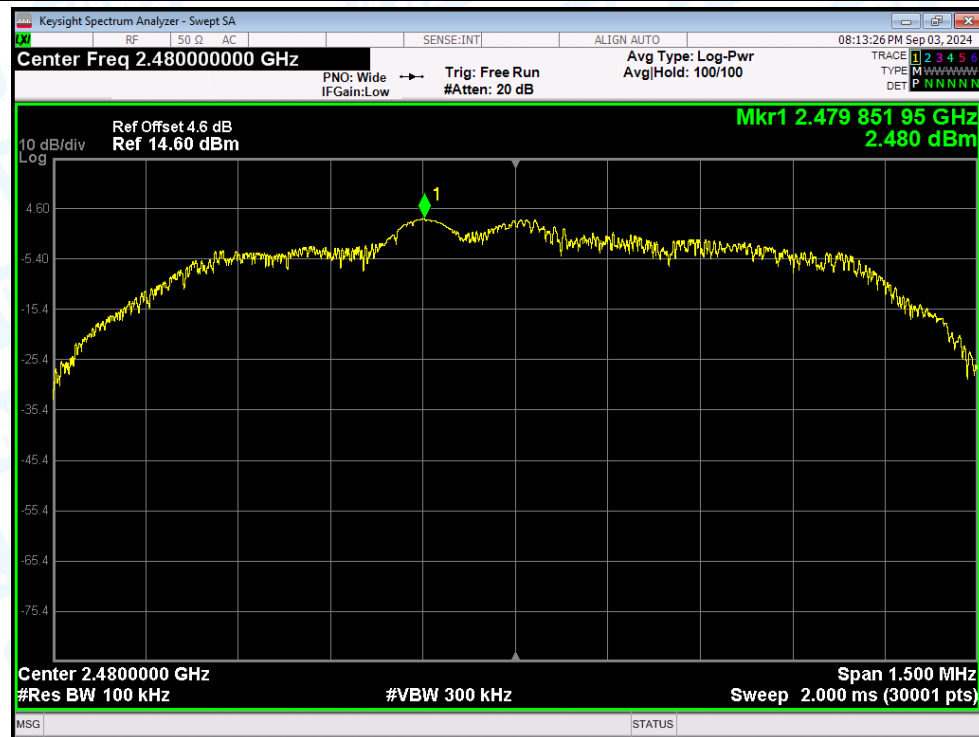
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



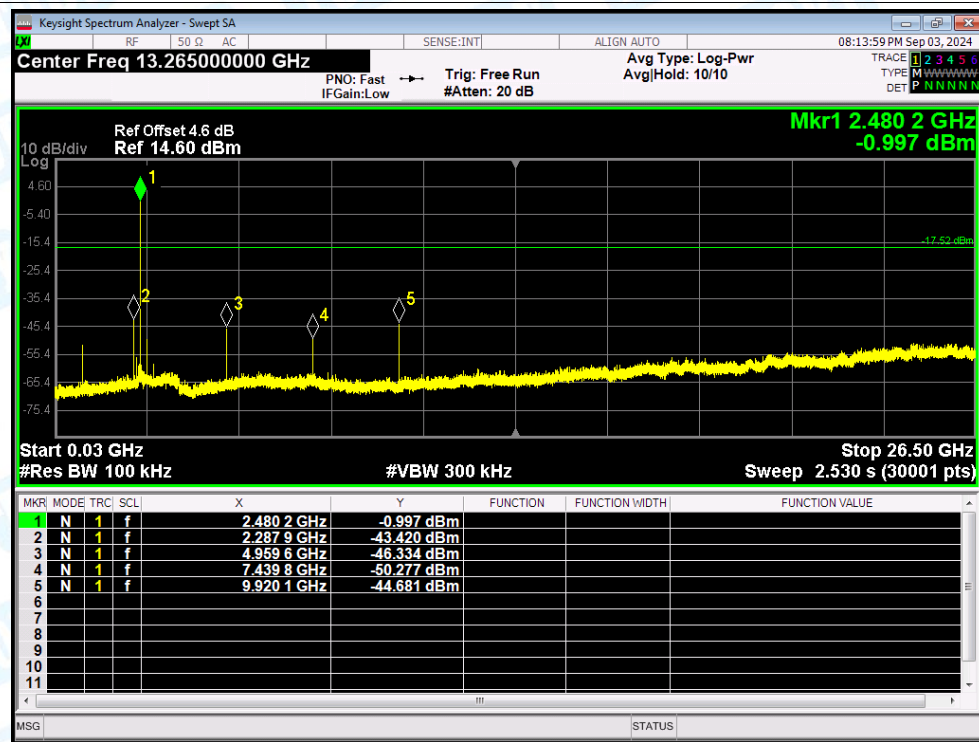
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



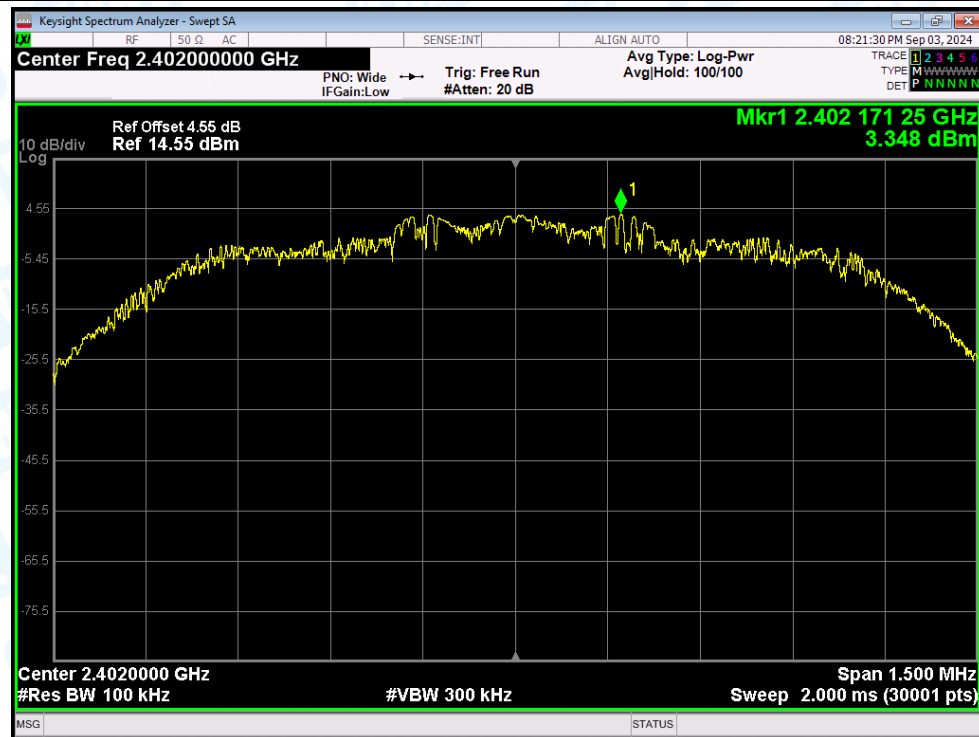
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



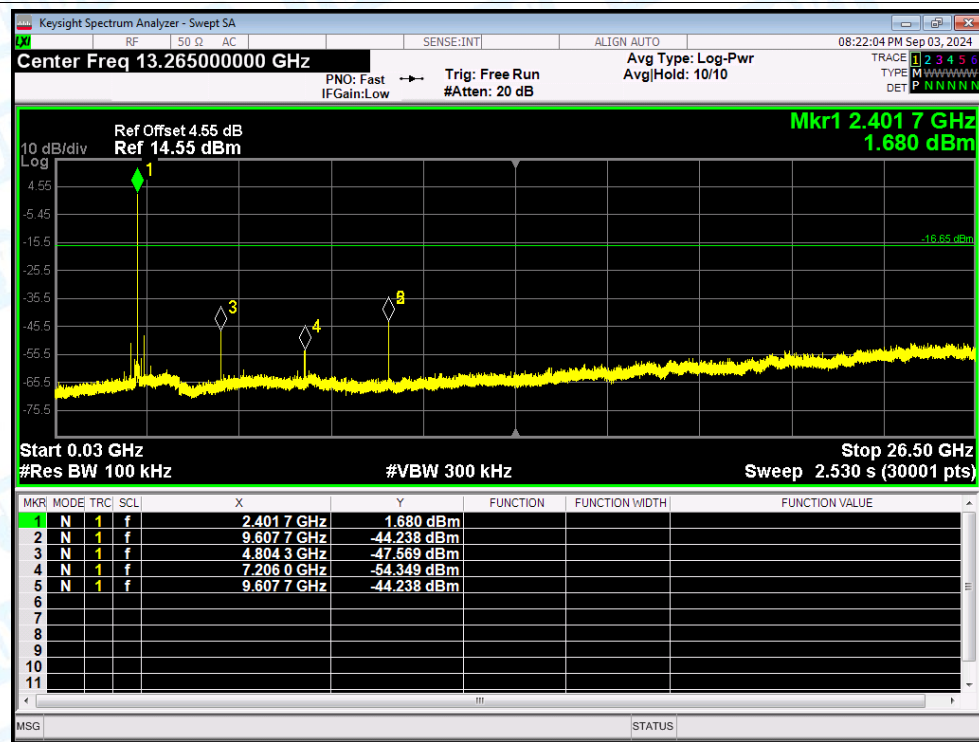
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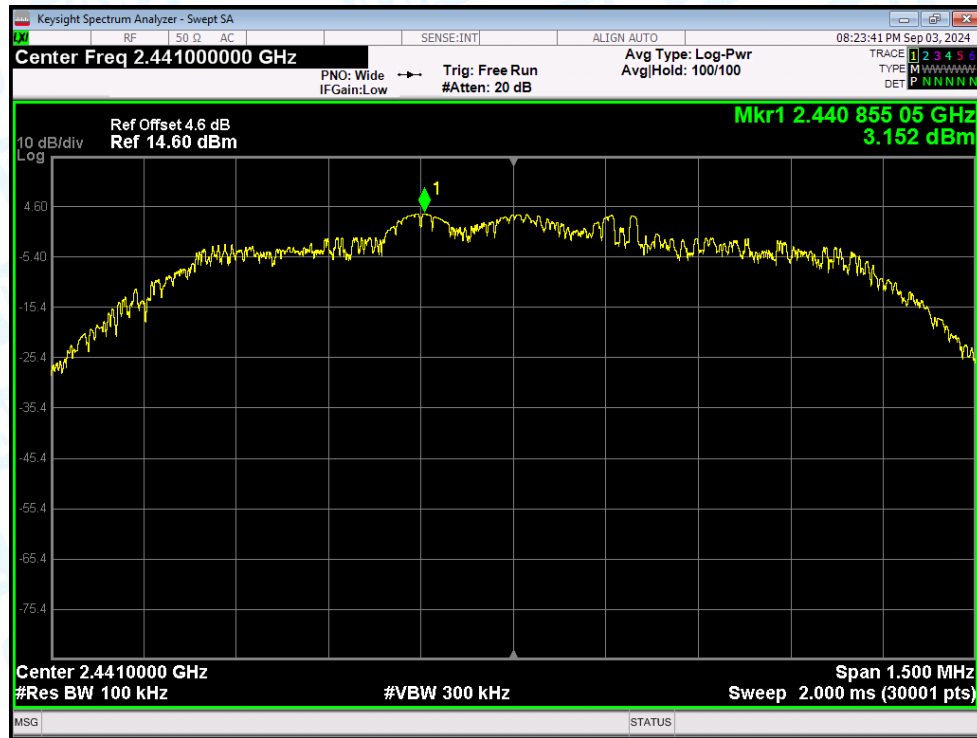
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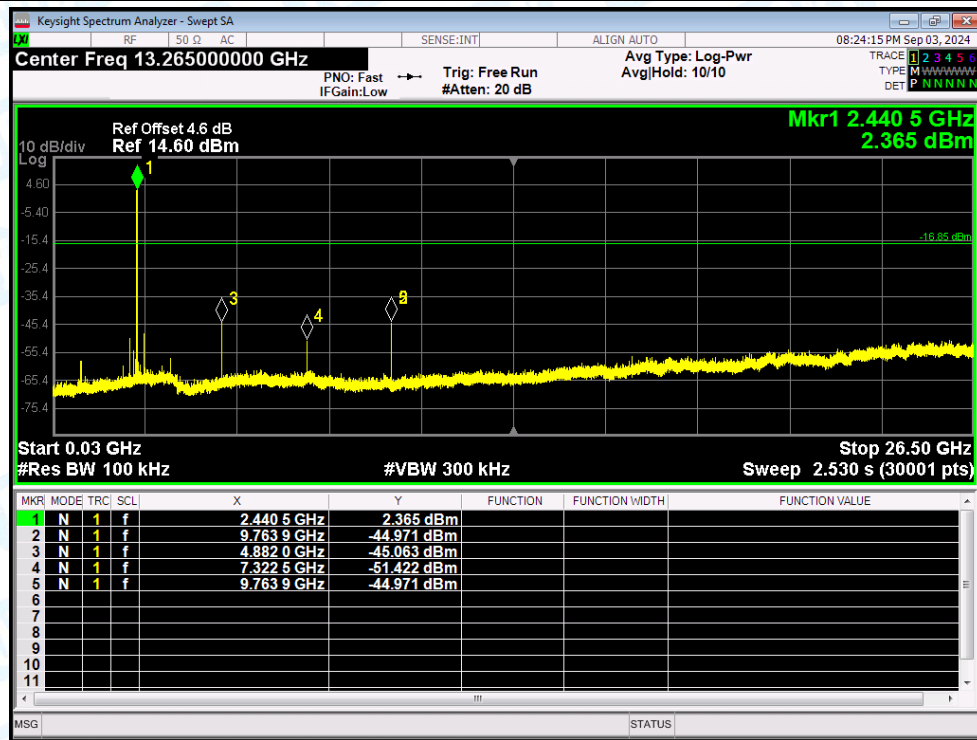
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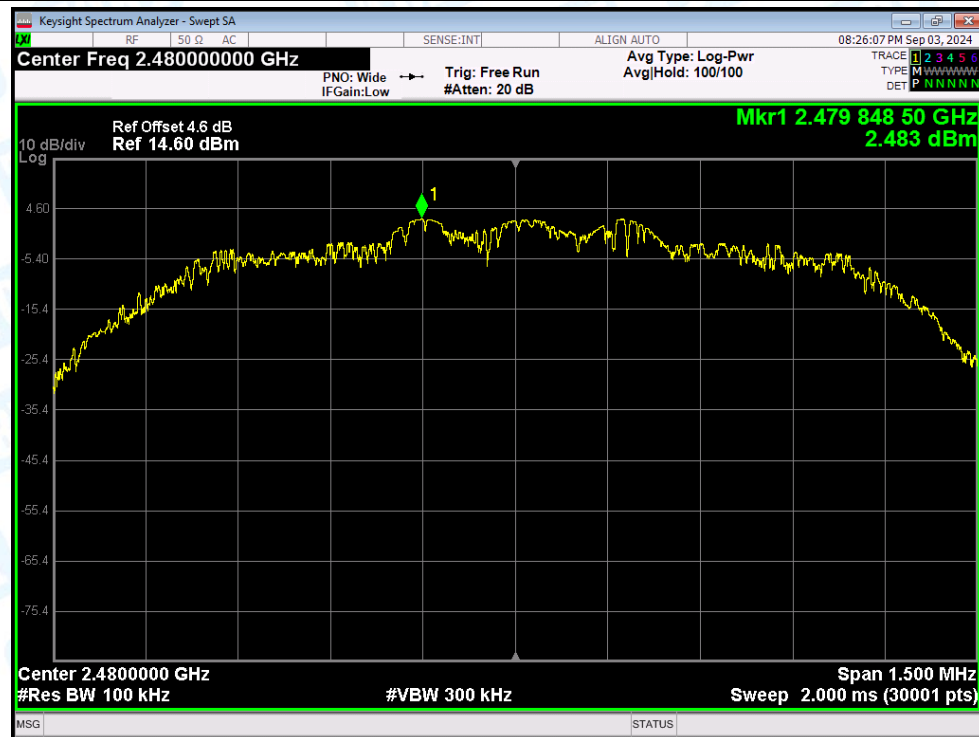
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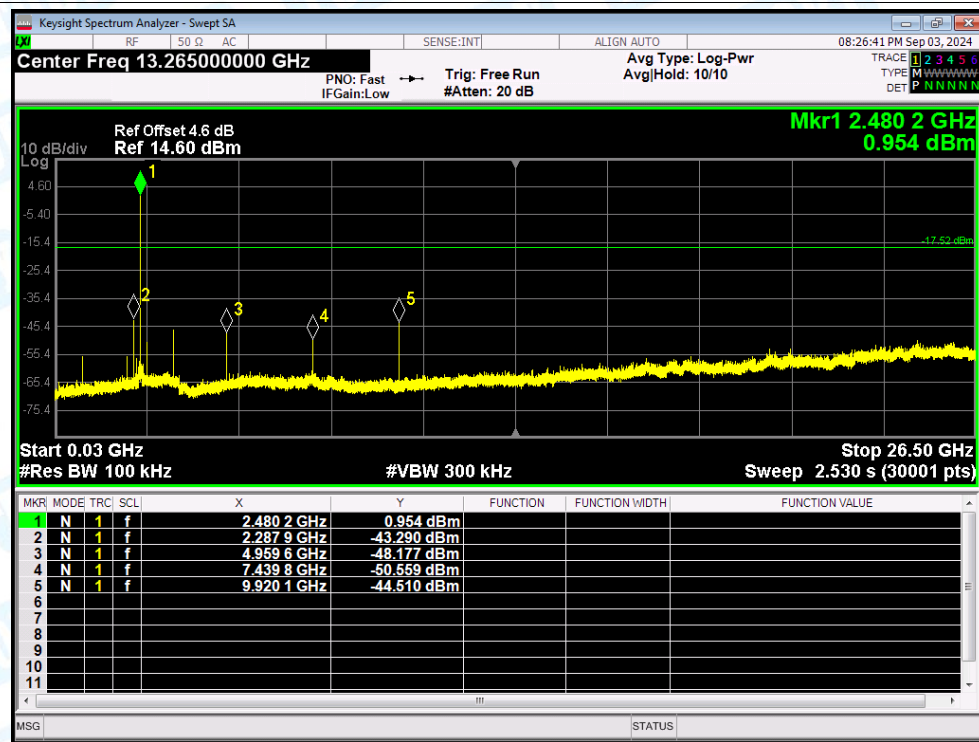
Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission

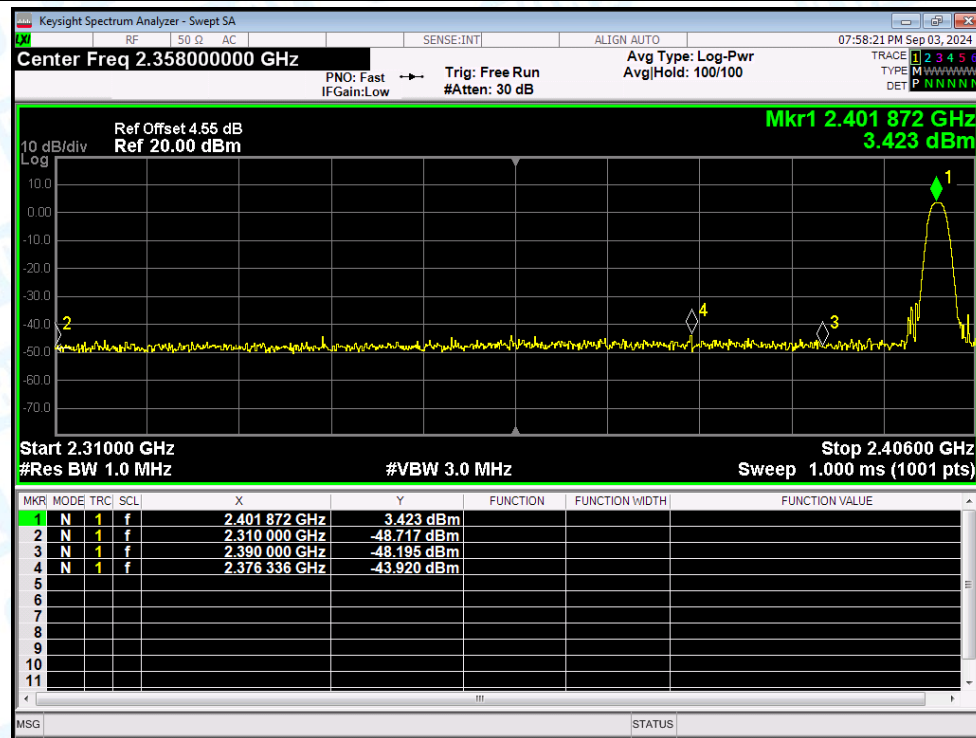


8. Restrict Band

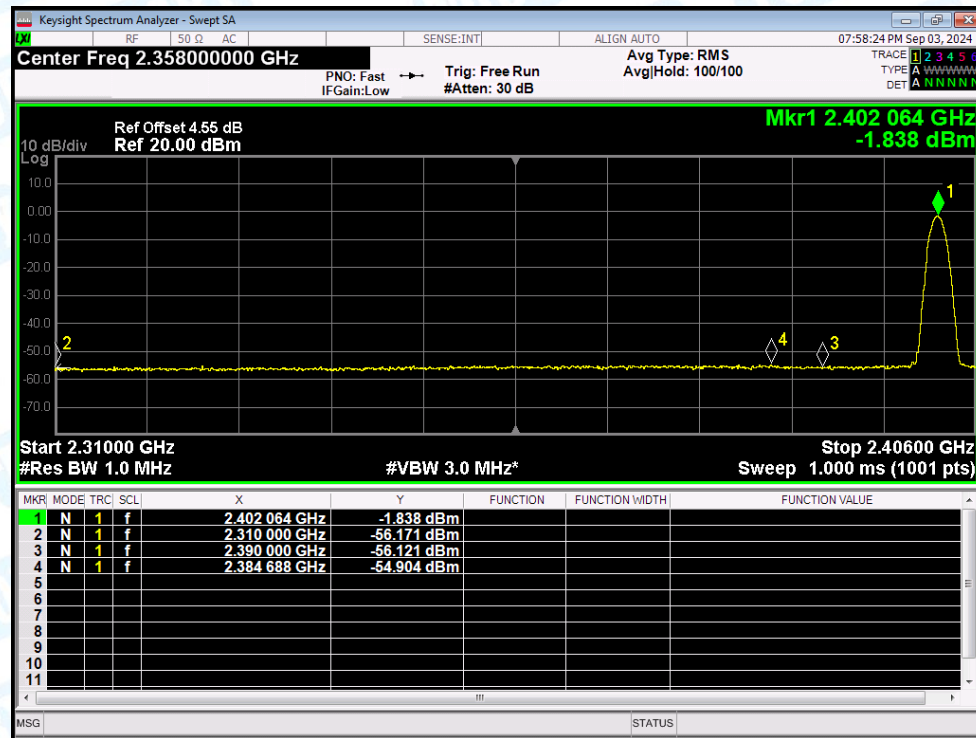
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-48.72	2.65	-	49.19	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2310	-56.17	2.65	5.17	46.91	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2376.336	-43.92	2.65	-	53.99	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2384.688	-54.9	2.65	5.17	48.18	Average	54	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-48.2	2.65	-	49.71	Peak	74	Pass
NVNT	1-DH1	2402	Ant1	No-Hopping	2390	-56.12	2.65	5.17	46.96	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-47.34	2.65	-	50.57	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2483.5	-55.57	2.65	5.17	47.51	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2487.136	-43.44	2.65	-	54.47	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2496.808	-54.53	2.65	5.17	48.55	Average	54	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-47.48	2.65	-	50.43	Peak	74	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	2500	-55.43	2.65	5.17	47.65	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-49.19	2.65	-	48.72	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2310	-56.26	2.65	5.06	46.71	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2382.096	-44.22	2.65	-	53.69	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2363.76	-54.77	2.65	5.06	48.2	Average	54	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-48.42	2.65	-	49.49	Peak	74	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	2390	-55.72	2.65	5.06	47.25	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-45.89	2.65	-	52.02	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2483.5	-55.51	2.65	4.95	47.35	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2498.032	-43.51	2.65	-	54.4	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2495.56	-54.58	2.65	4.95	48.28	Average	54	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-48.39	2.65	-	49.52	Peak	74	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	2500	-54.99	2.65	4.95	47.87	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-46.9	2.65	-	51.01	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2310	-56.22	2.65	5.06	46.75	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2357.424	-44.29	2.65	-	53.62	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2365.104	-54.58	2.65	5.06	48.39	Average	54	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-48.77	2.65	-	49.14	Peak	74	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	2390	-55.91	2.65	5.06	47.06	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-47.25	2.65	-	50.66	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2483.5	-55.54	2.65	5.06	47.43	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2492.416	-43.68	2.65	-	54.23	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2499.736	-54.1	2.65	5.06	48.87	Average	54	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-44.62	2.65	-	53.29	Peak	74	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	2500	-55.18	2.65	5.06	47.79	Average	54	Pass

Test Graphs

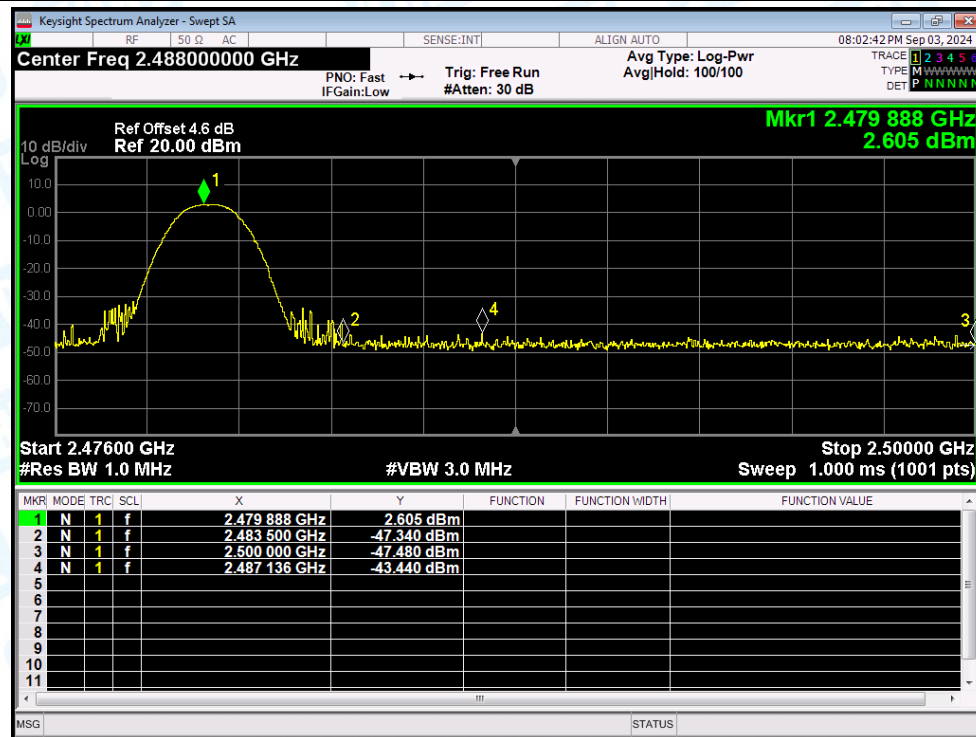
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Peak



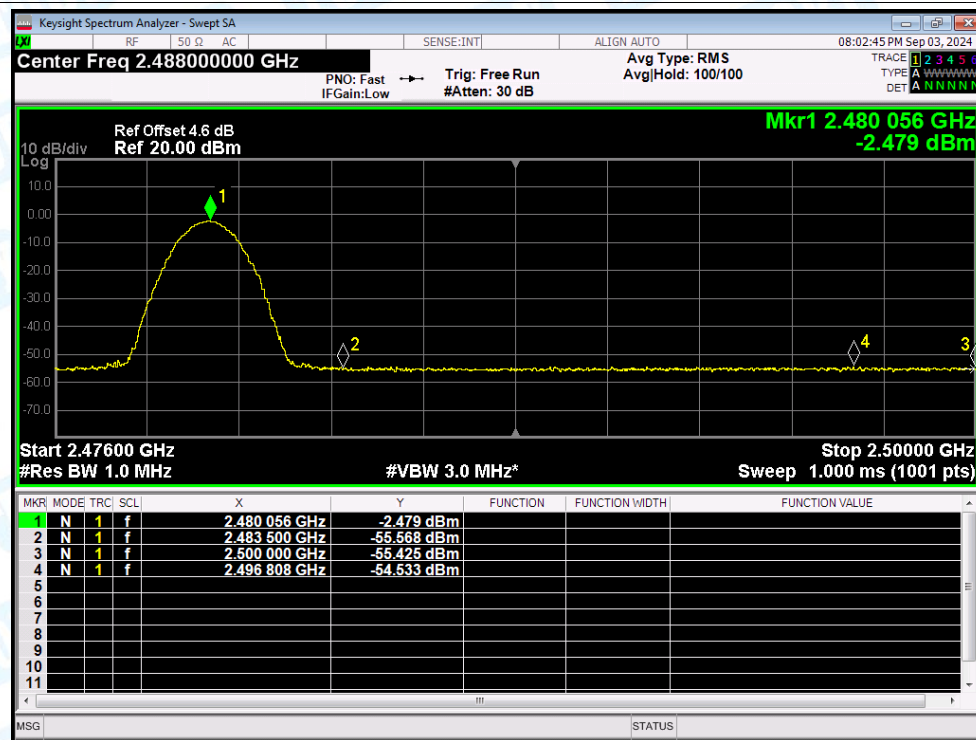
Restrict Band NVNT 1-DH1 2402MHz Ant1 No-Hopping Average



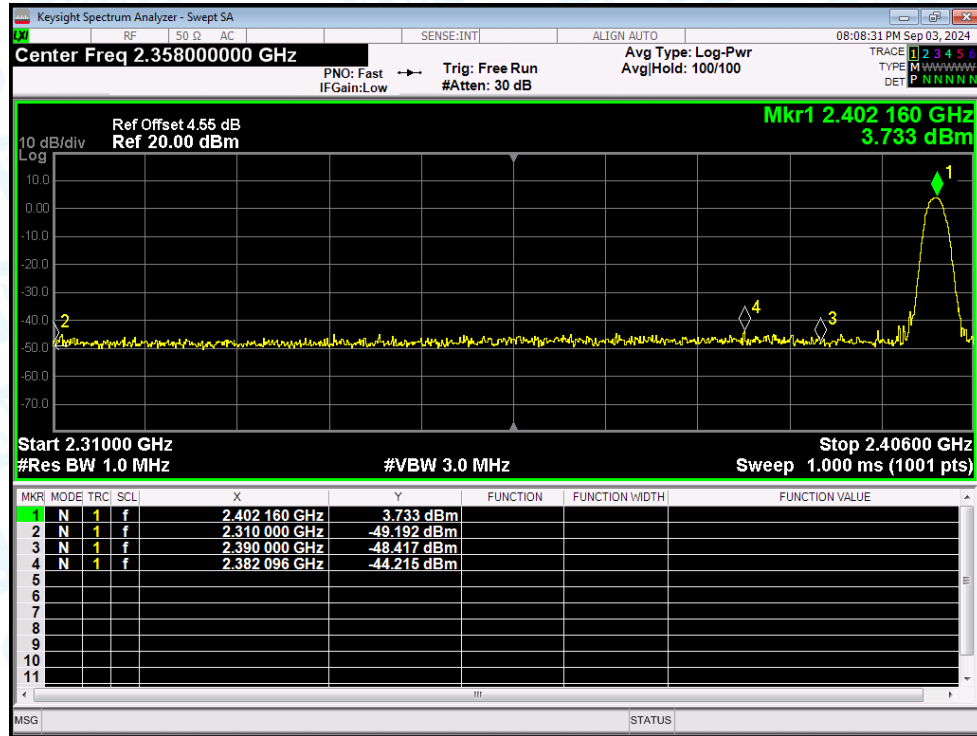
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Peak



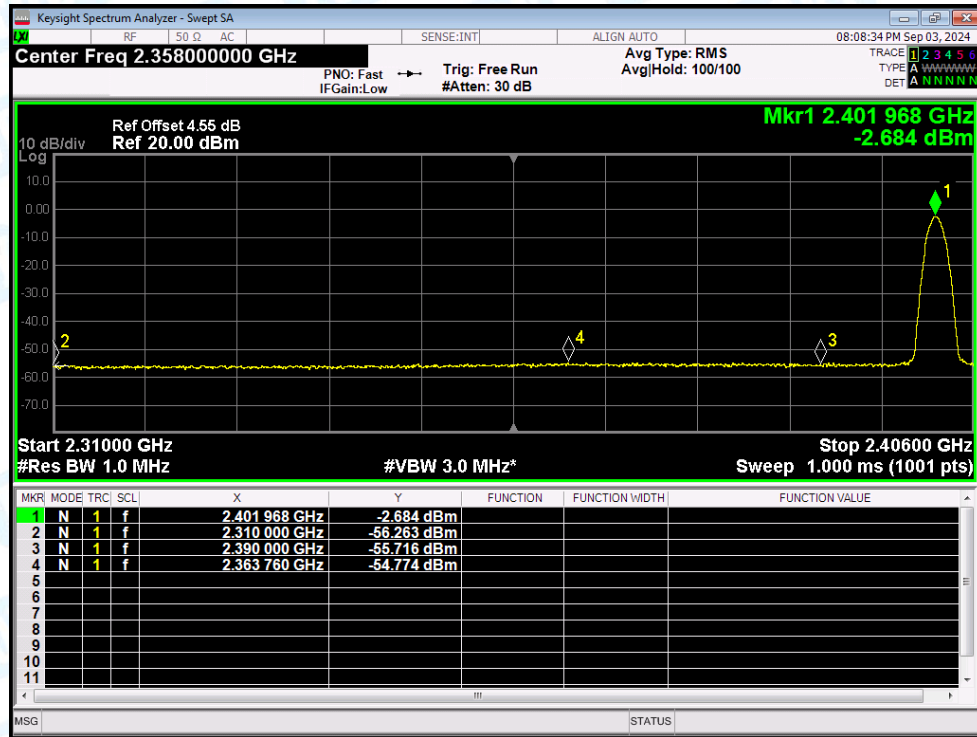
Restrict Band NVNT 1-DH1 2480MHz Ant1 No-Hopping Average



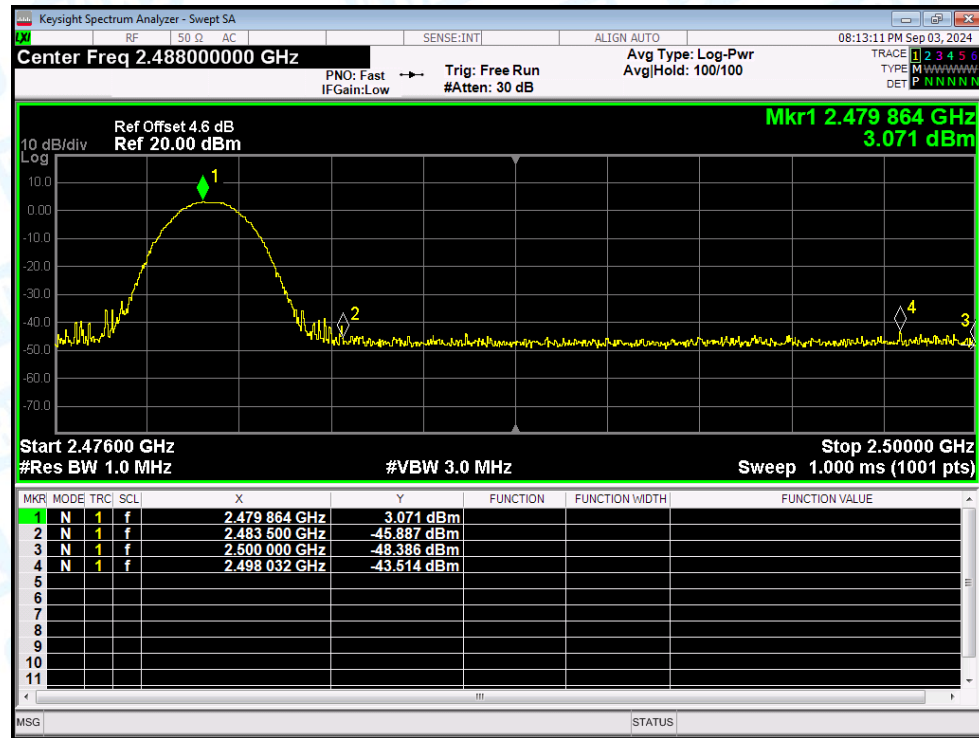
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Peak



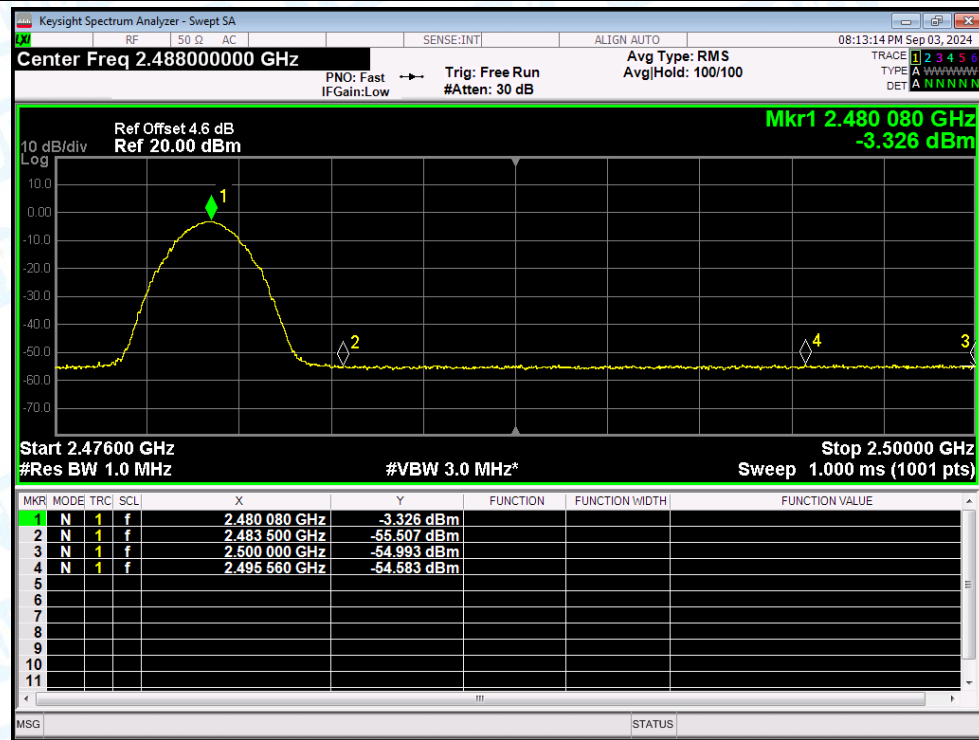
Restrict Band NVNT 2-DH1 2402MHz Ant1 No-Hopping Average



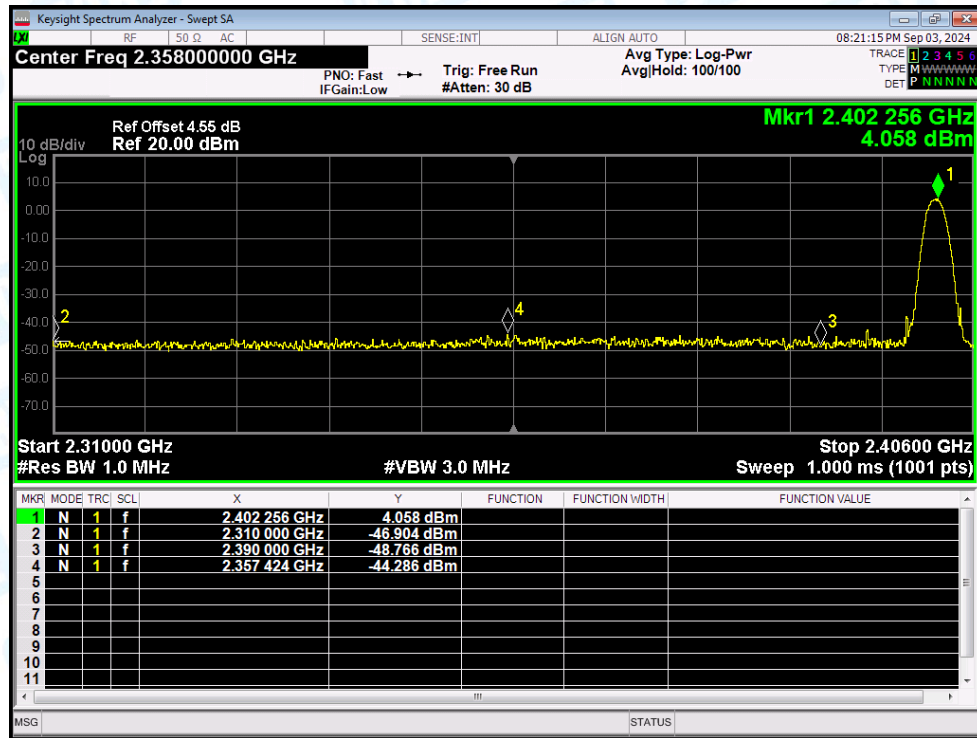
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Peak



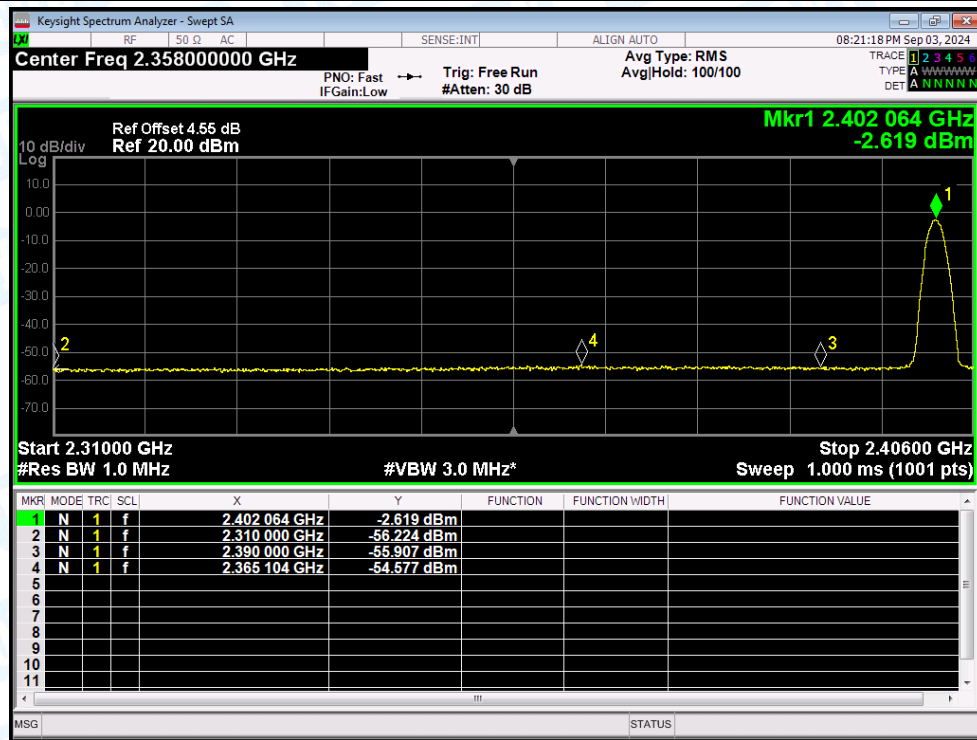
Restrict Band NVNT 2-DH1 2480MHz Ant1 No-Hopping Average



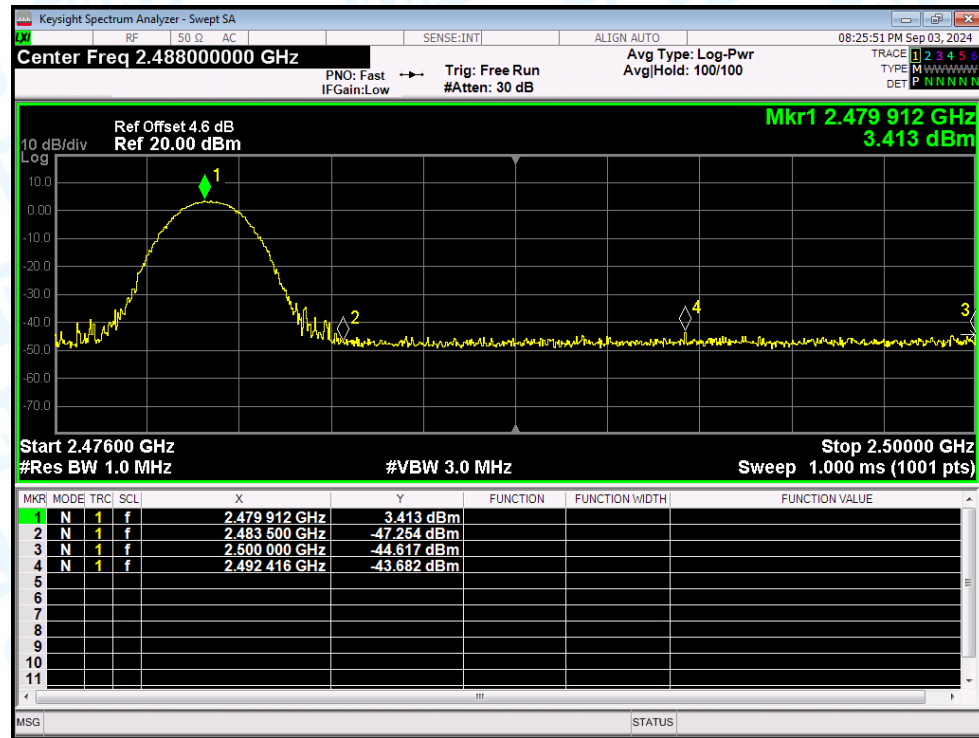
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Peak



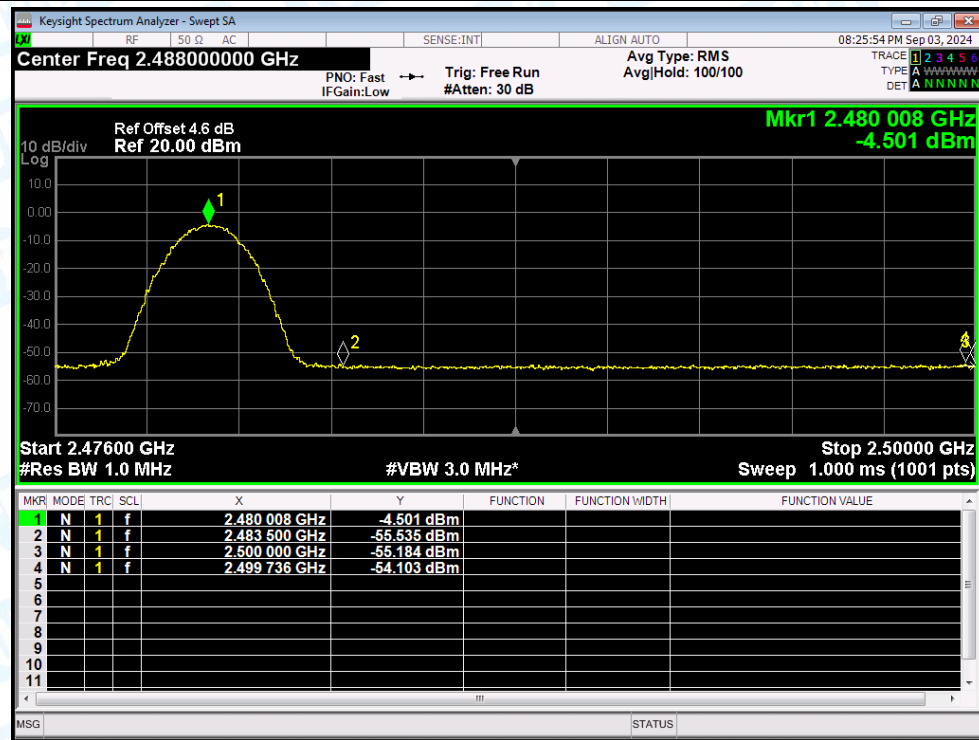
Restrict Band NVNT 3-DH1 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH1 2480MHz Ant1 No-Hopping Average

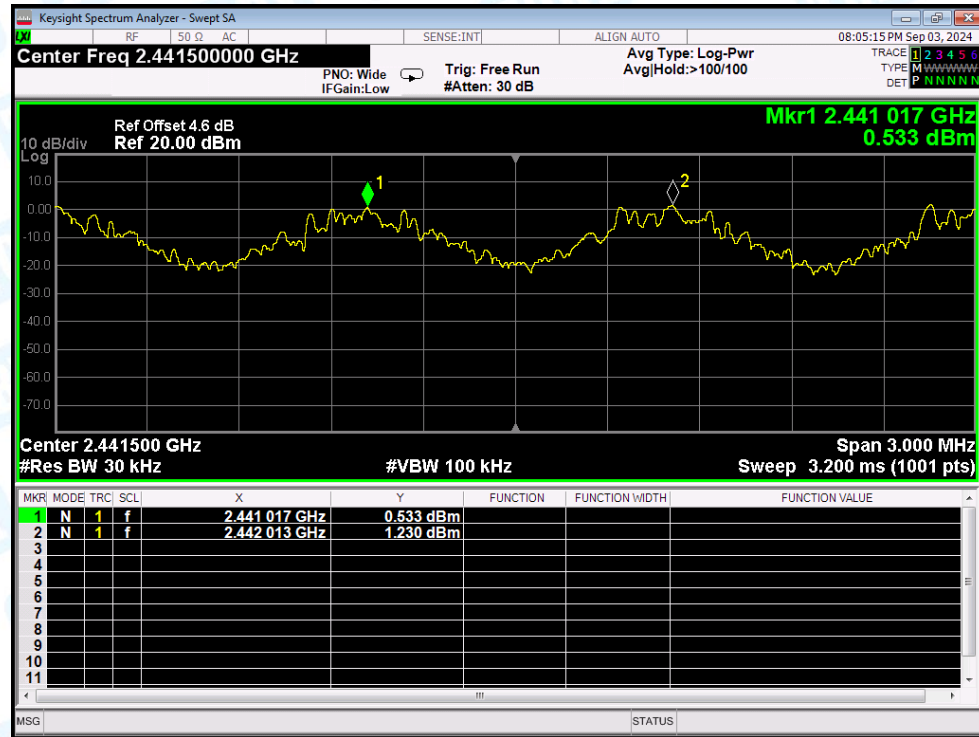


9. Carrier Frequencies Separation

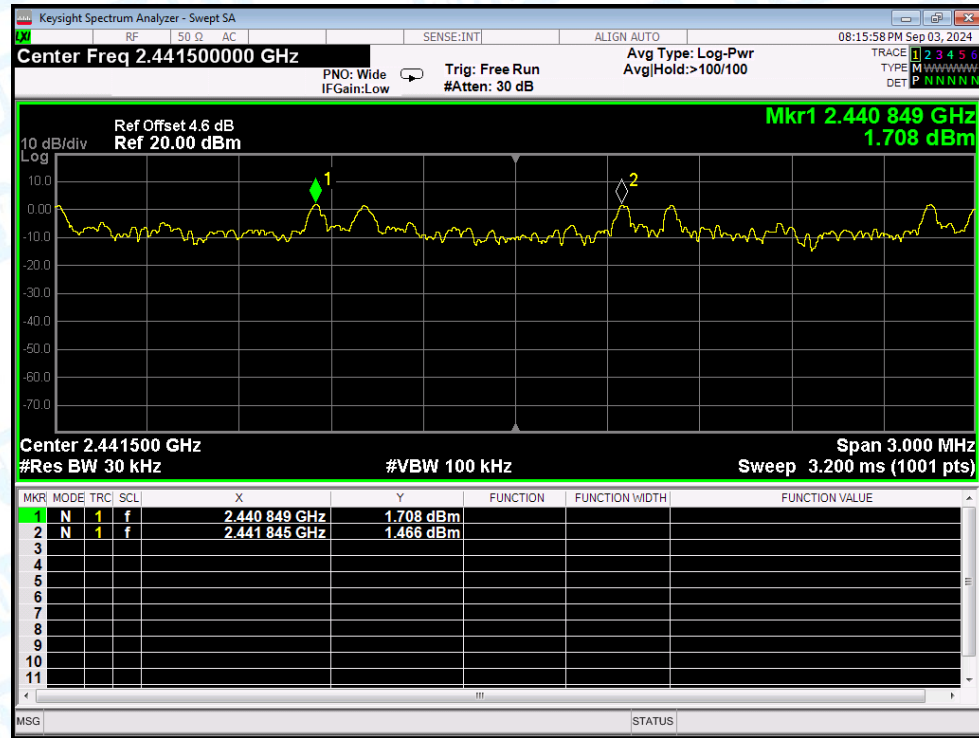
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2441.017	2442.013	0.996	0.58	Pass
NVNT	2-DH1	Ant1	2440.849	2441.845	0.996	0.847	Pass
NVNT	3-DH1	Ant1	2441.005	2442.01	1.005	0.8	Pass

Test Graphs

CFS NVNT 1-DH1 2441MHz Ant1



CFS NVNT 2-DH1 2441MHz Ant1



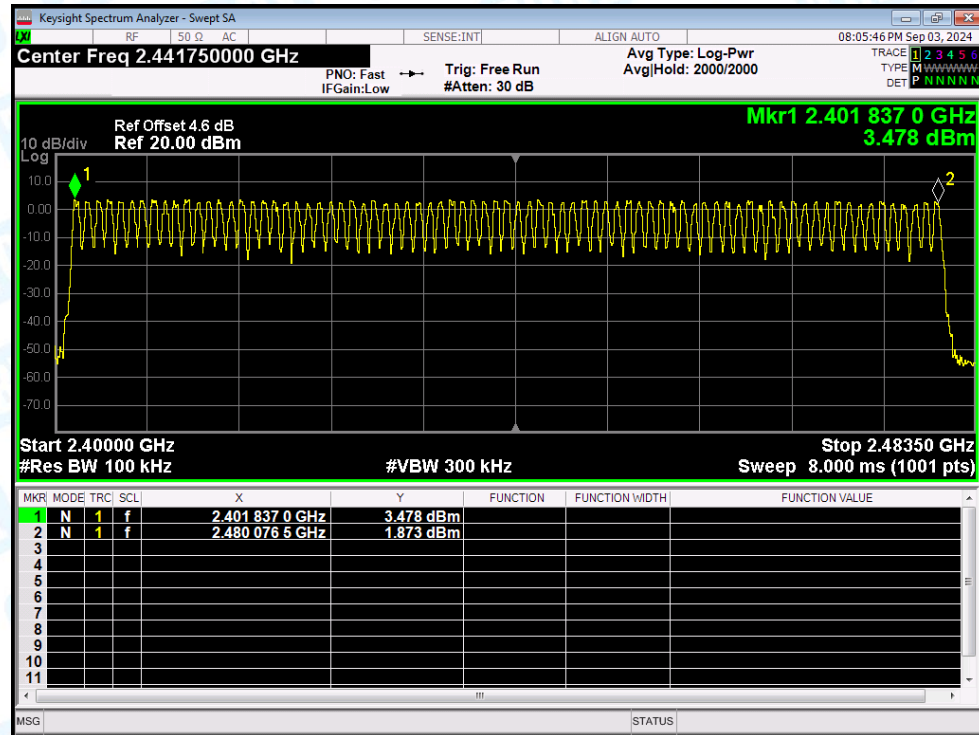


10. Number of Hopping Channel

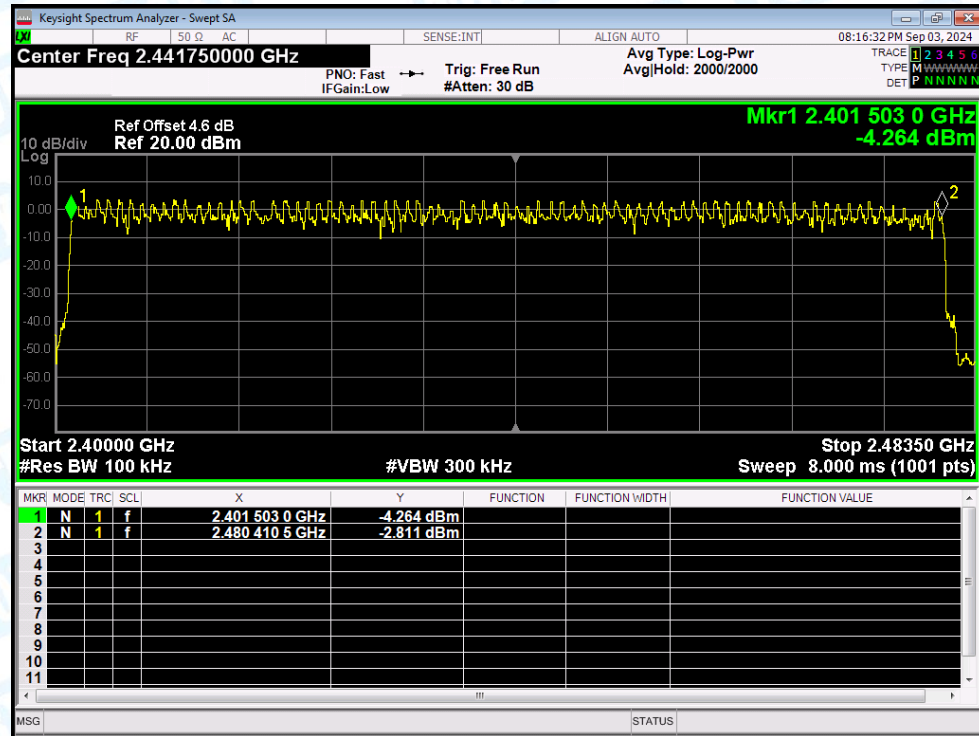
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

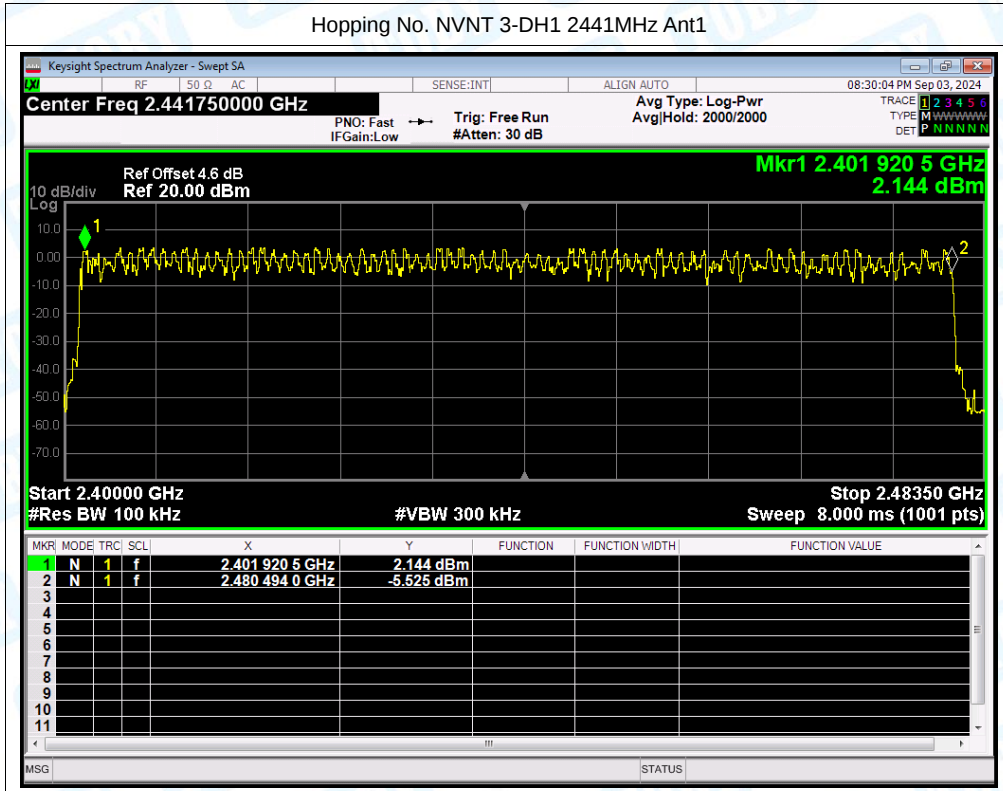
Test Graphs

Hopping No. NVNT 1-DH1 2441MHz Ant1



Hopping No. NVNT 2-DH1 2441MHz Ant1



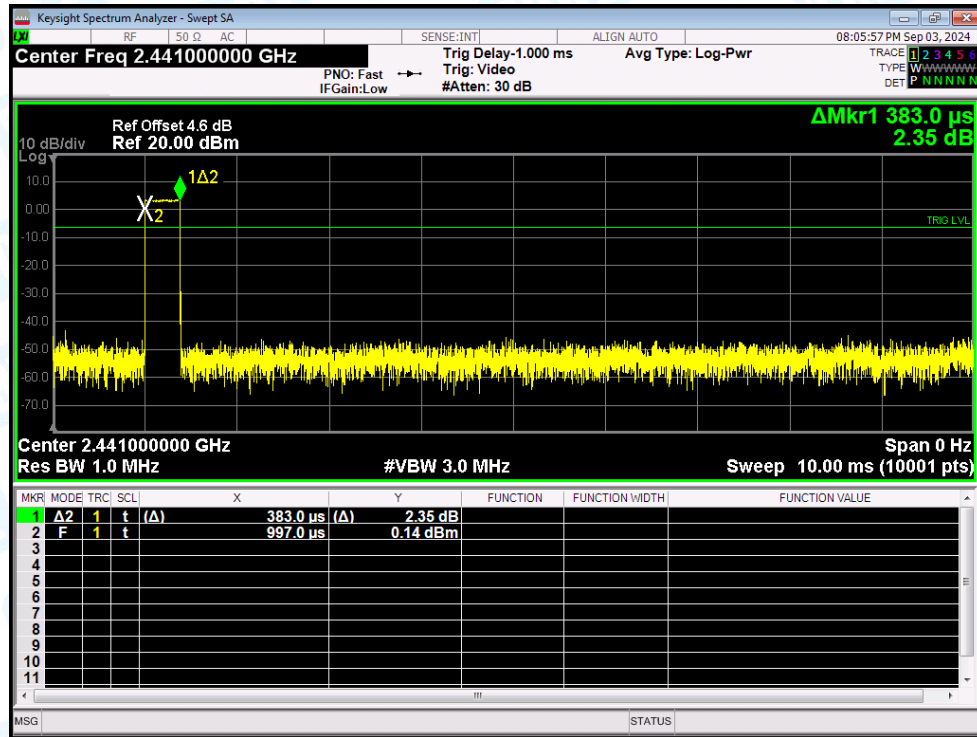


11. Dwell Time

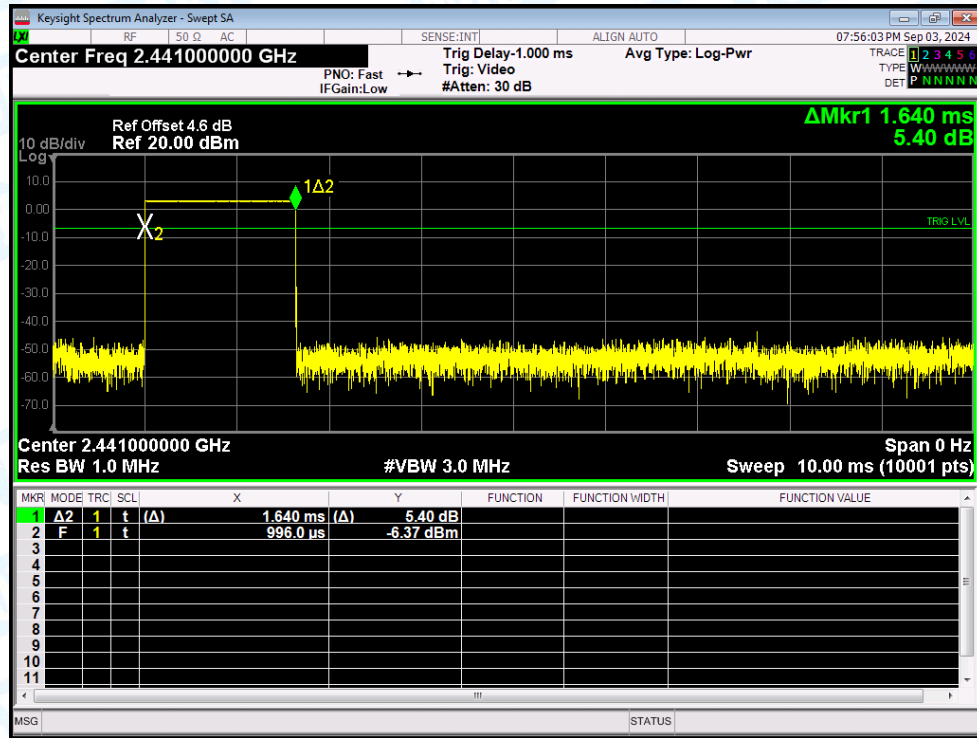
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.383	122.56	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.64	262.4	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.887	307.947	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.393	125.76	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.644	263.04	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.893	308.587	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.393	125.76	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.644	263.04	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.894	308.693	31600	400	Pass

Test Graphs

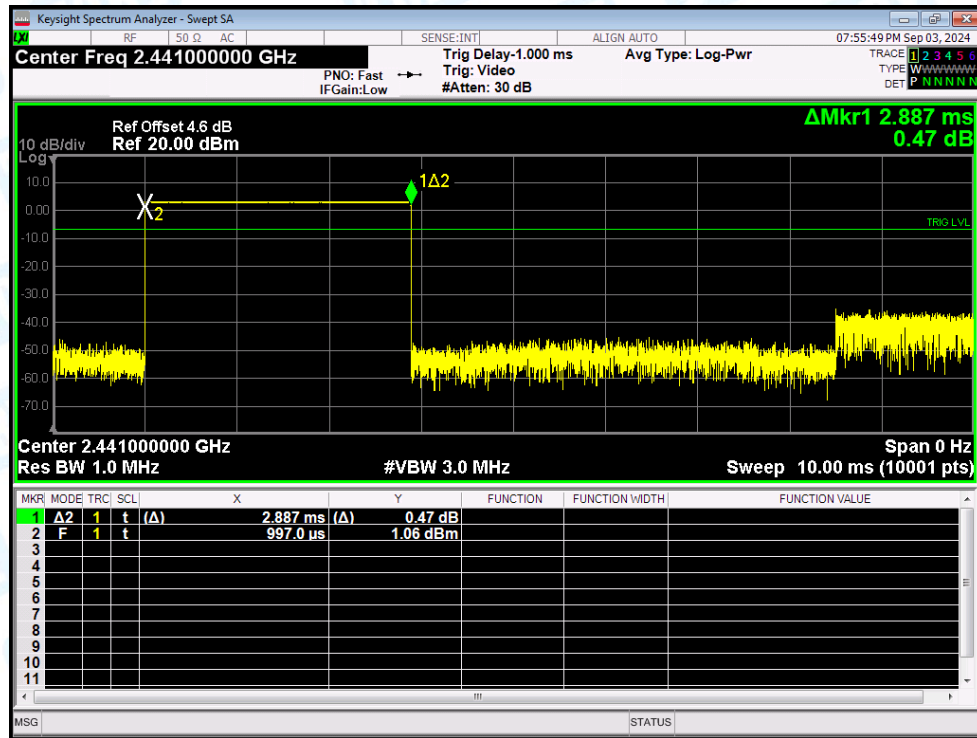
Dwell NVNT 1-DH1 2441MHz Ant1



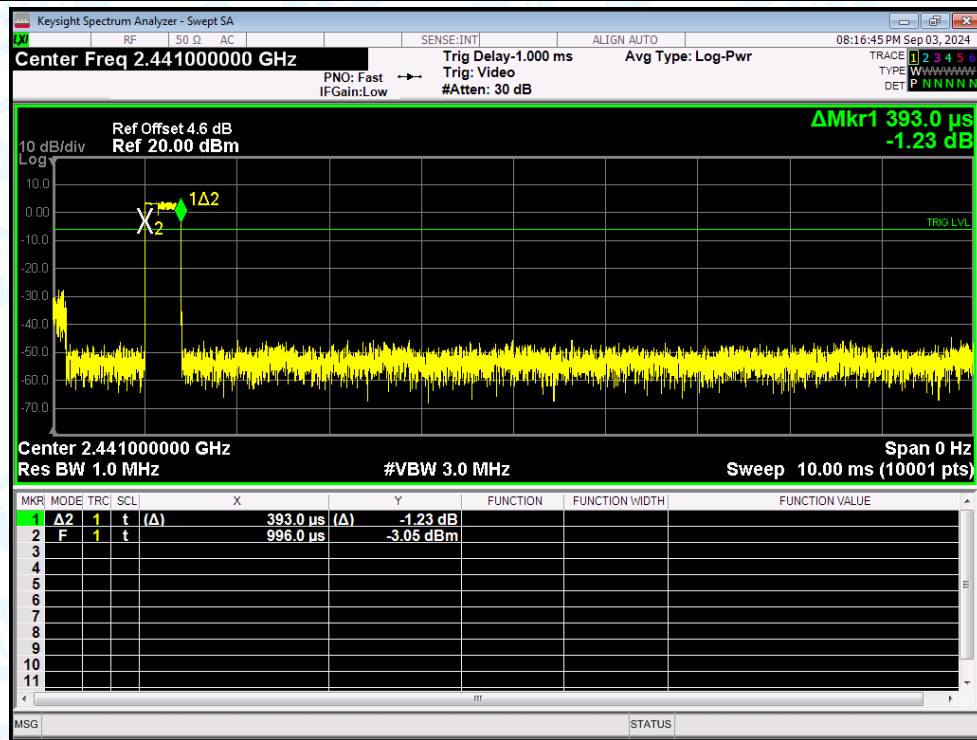
Dwell NVNT 1-DH3 2441MHz Ant1



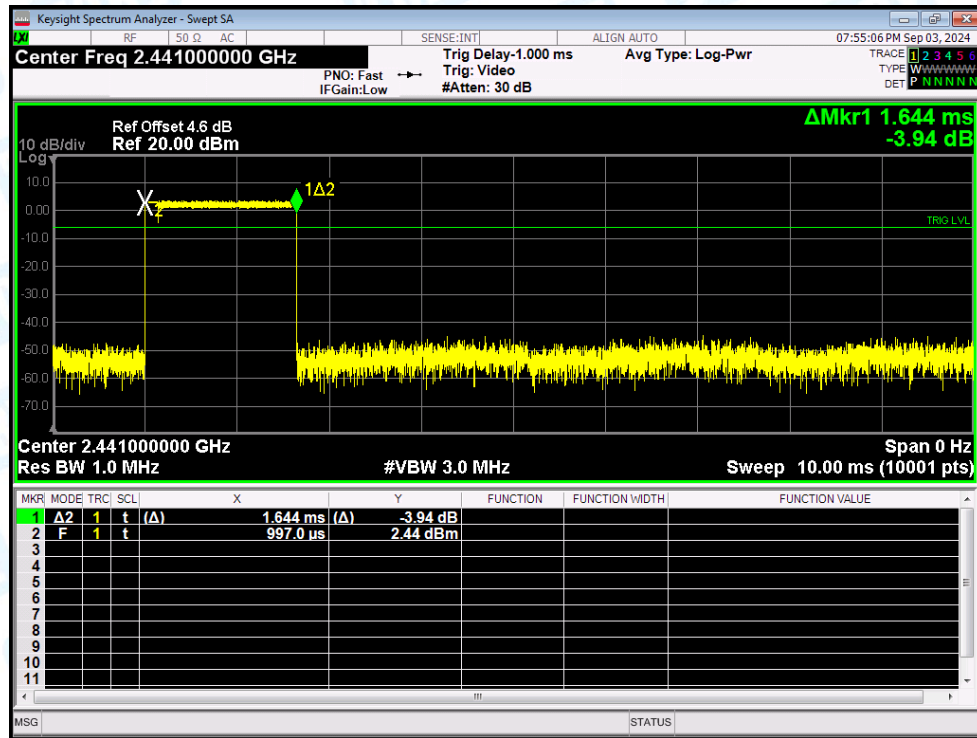
Dwell NVNT 1-DH5 2441MHz Ant1



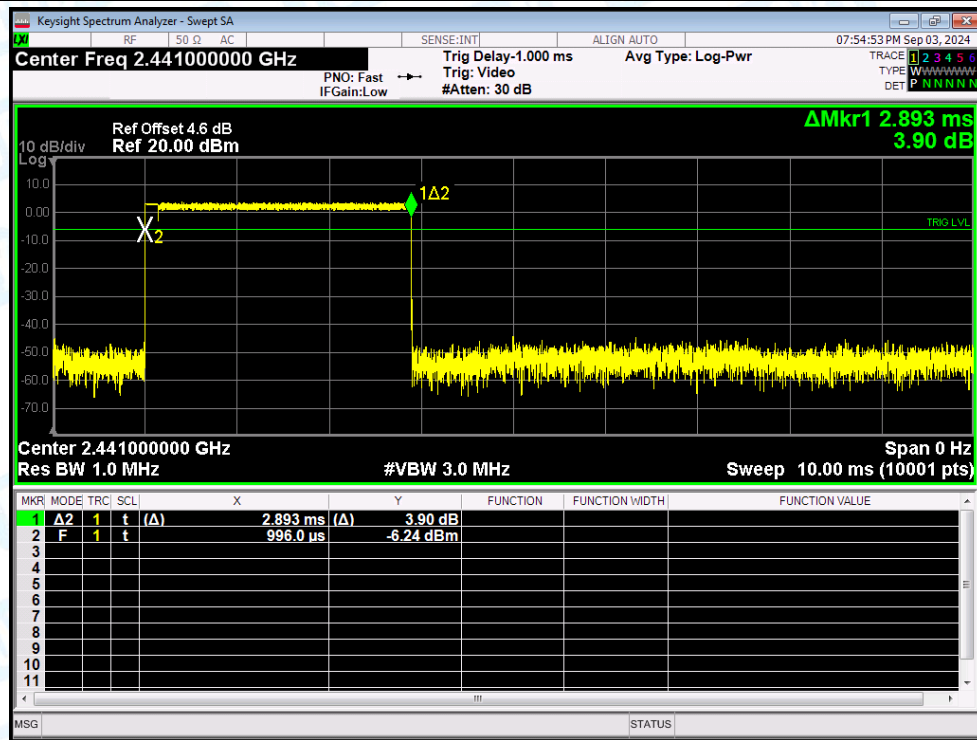
Dwell NVNT 2-DH1 2441MHz Ant1



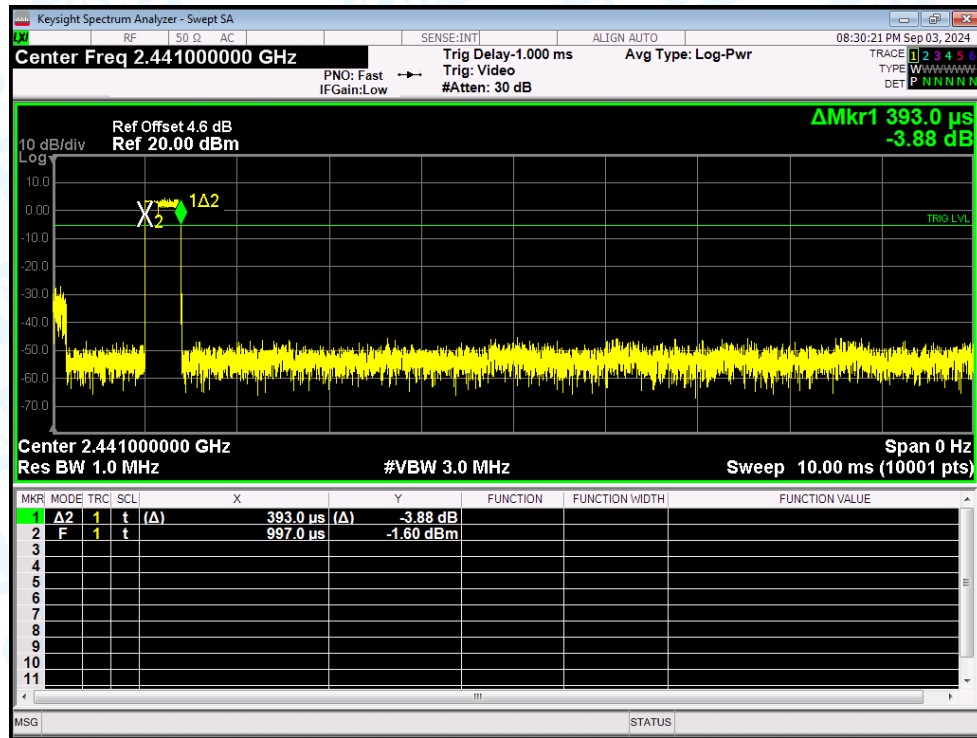
Dwell NVNT 2-DH3 2441MHz Ant1



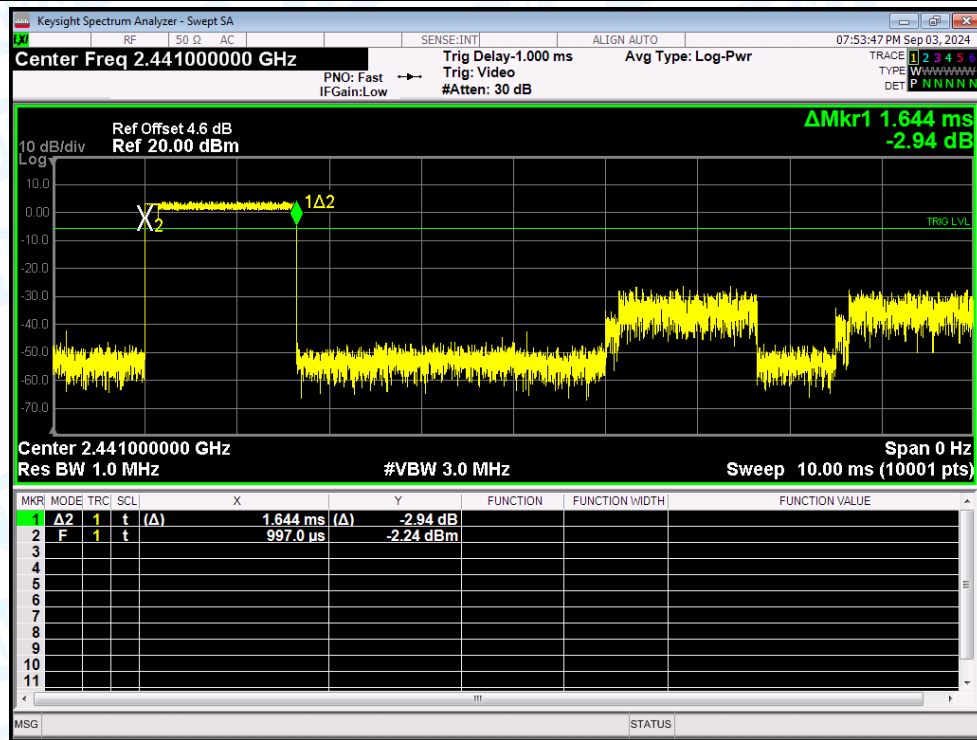
Dwell NVNT 2-DH5 2441MHz Ant1

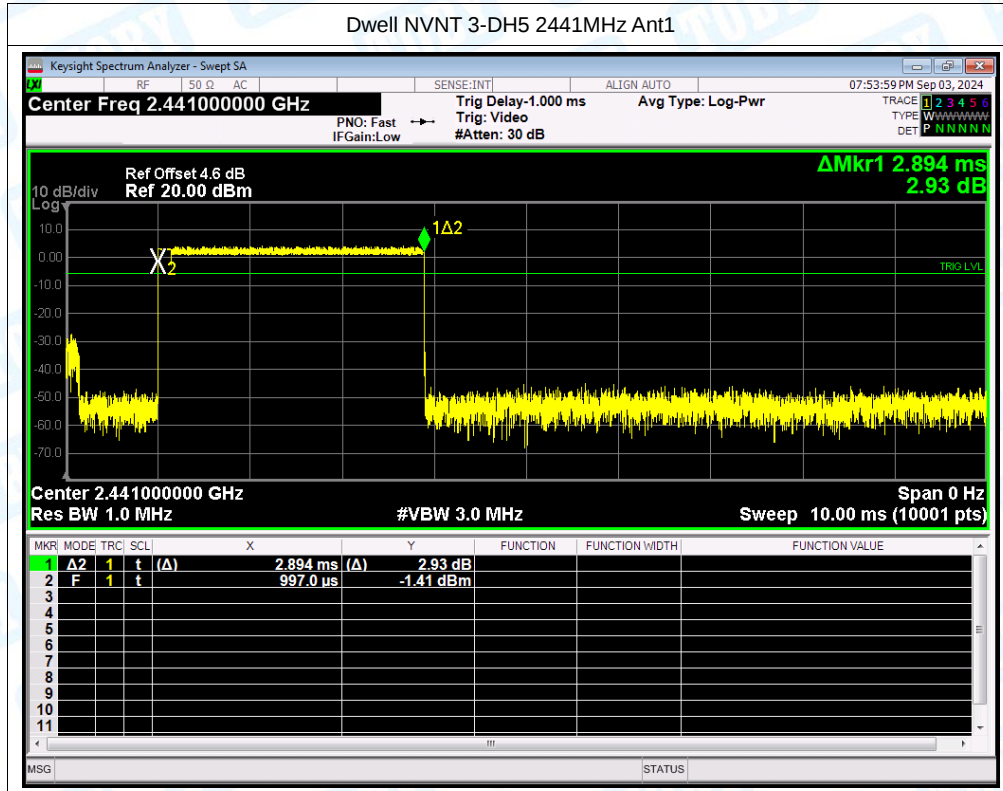


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1





-----END OF THE REPORT-----