

RF Test Data for Bluetooth (Conducted Measurements)

General Description of EUT	
Product Name:	Portable Gaming Computer(Tablet computer)
Test Model:	AYANEO Pocket BLOCK
Sample ID:	HC-C-202509-0277-01-03-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	45%RH
Test Voltage:	DC 3.85V
Test Engineer:	Gold. zhang
Note: For a more detailed features description, please refer to the report TBR-C-202509-0277-16 The report only show the worst case data.	

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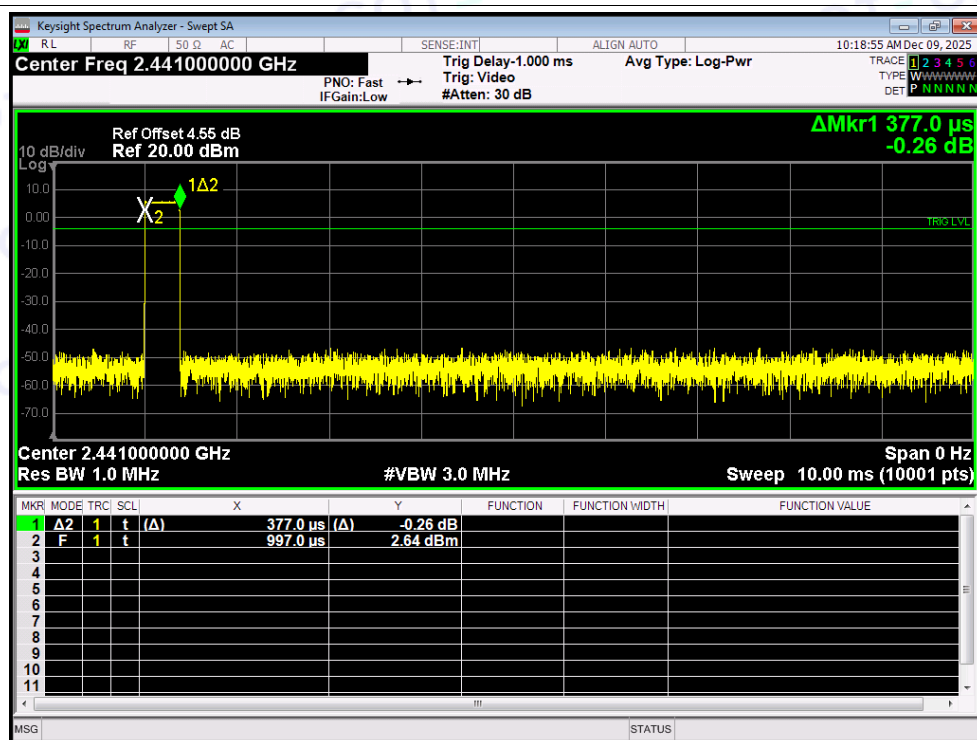
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1. Dwell Time

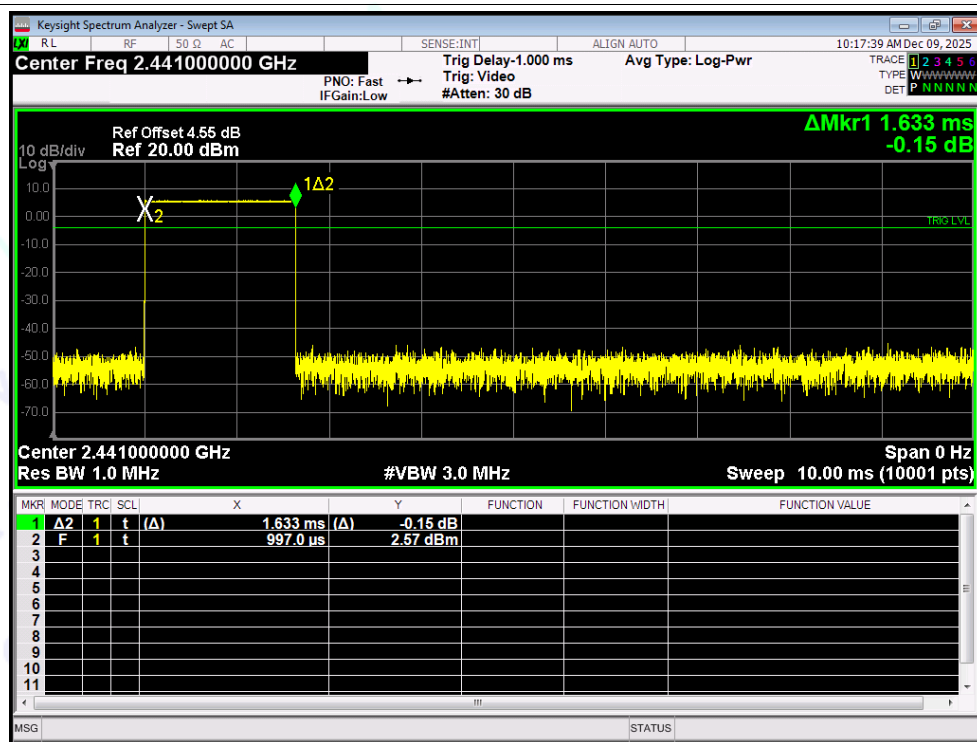
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.377	120.64	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.633	261.28	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.882	307.413	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.385	123.2	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.637	261.92	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.885	307.733	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.386	123.52	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.636	261.76	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.887	307.947	31600	400	Pass

Test Graphs

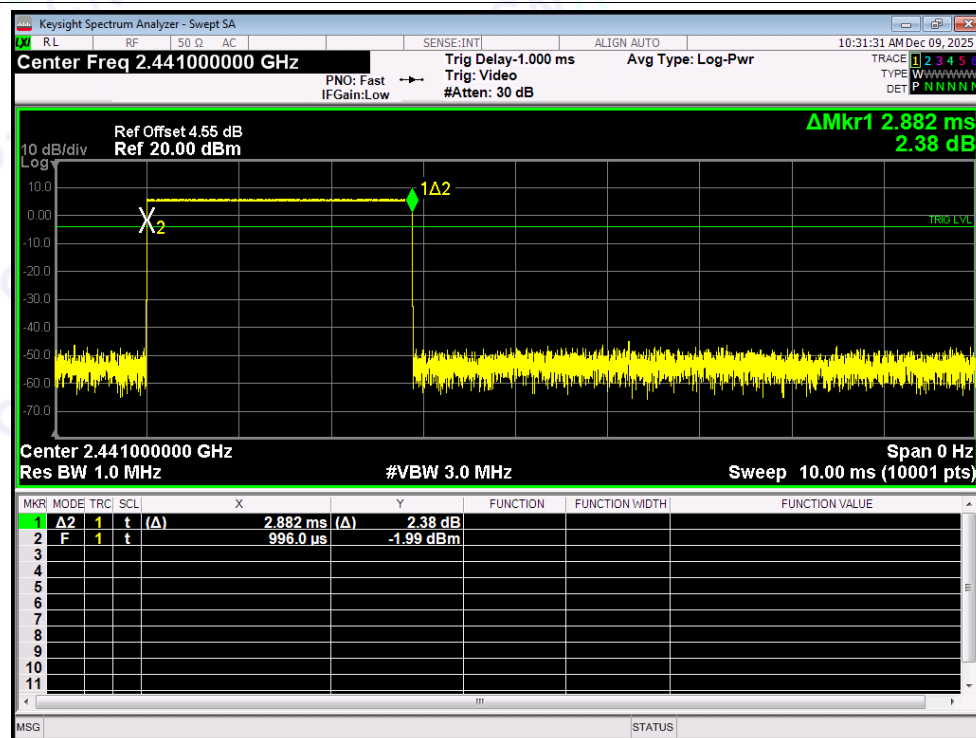
Dwell NVNT 1-DH1 2441MHz Ant1



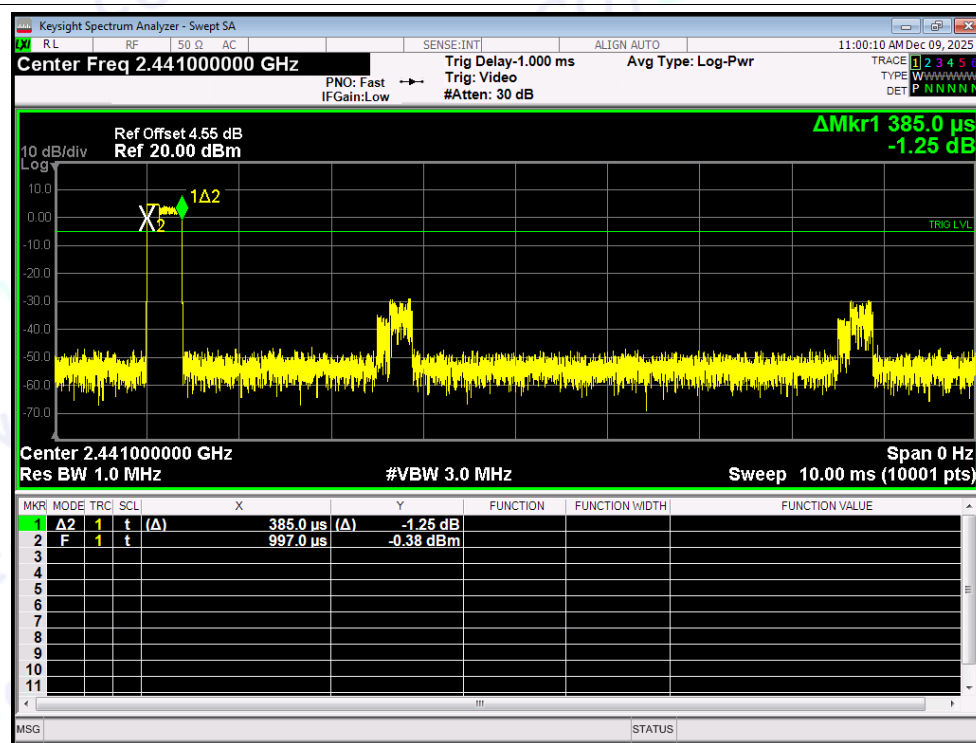
Dwell NVNT 1-DH3 2441MHz Ant1



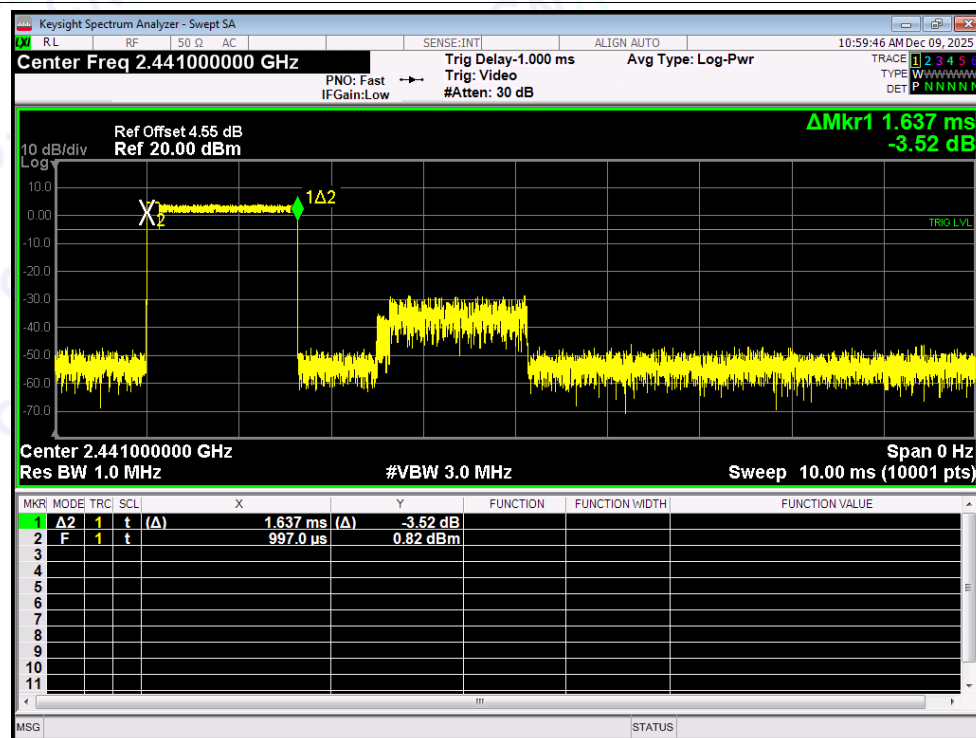
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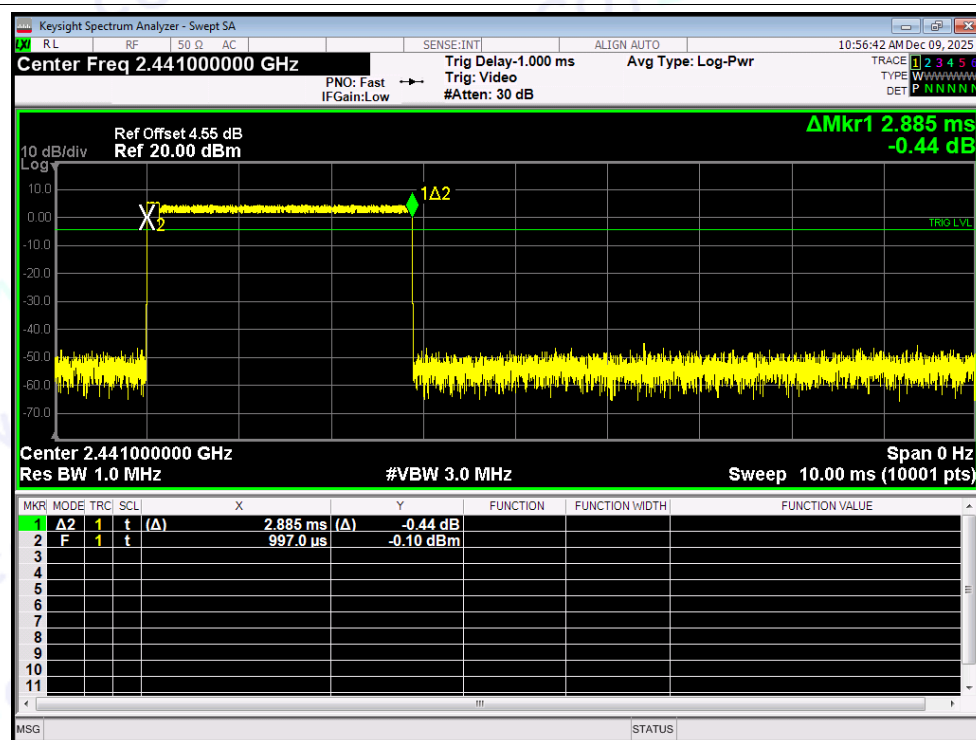
Dwell NVNT 2-DH1 2441MHz Ant1



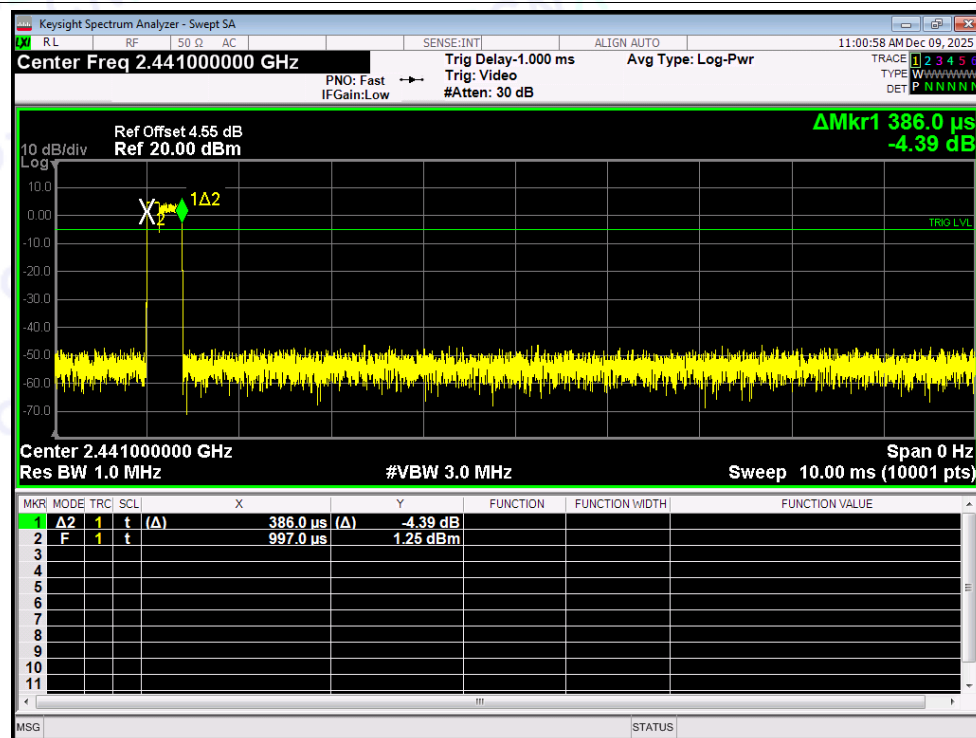
Dwell NVNT 2-DH3 2441MHz Ant1



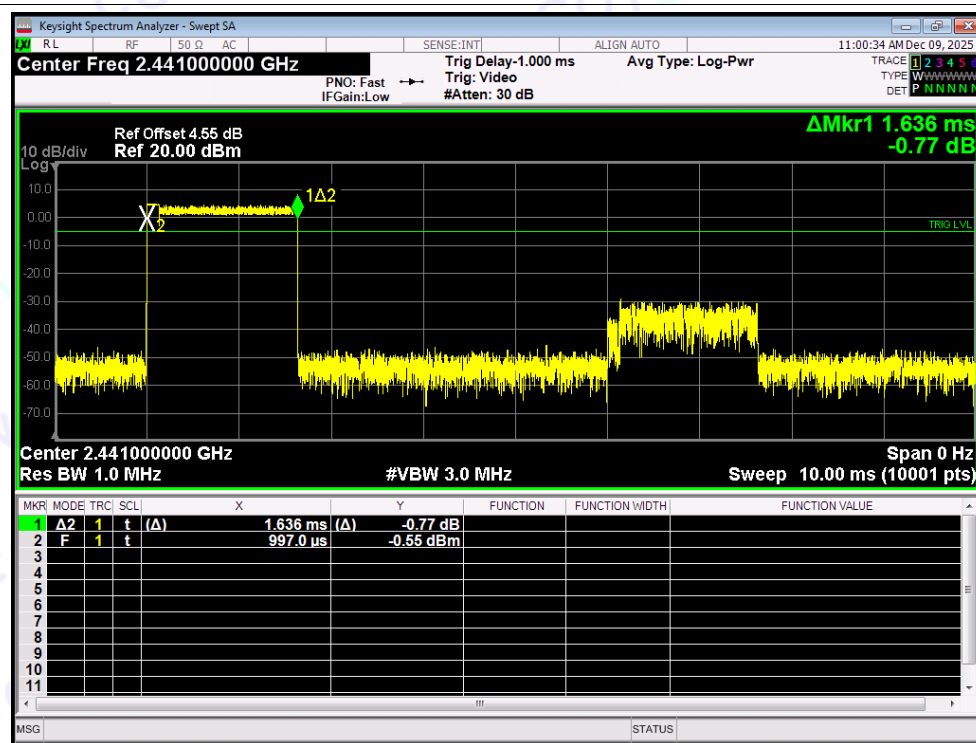
Dwell NVNT 2-DH5 2441MHz Ant1

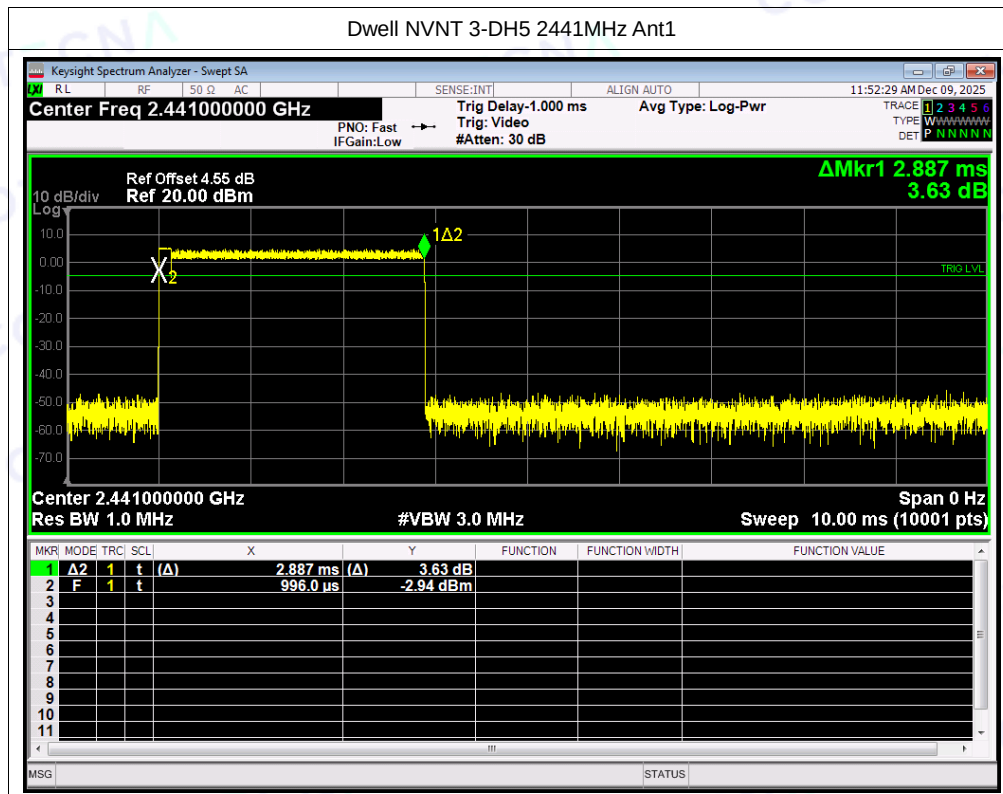


Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH3 2441MHz Ant1



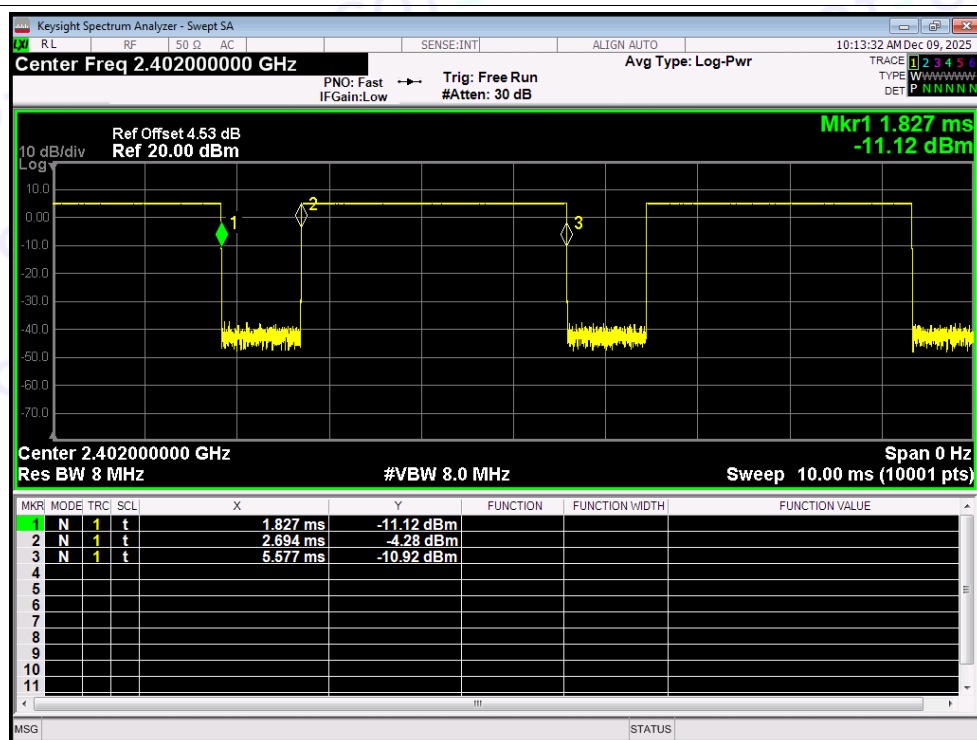


2. Duty Cycle

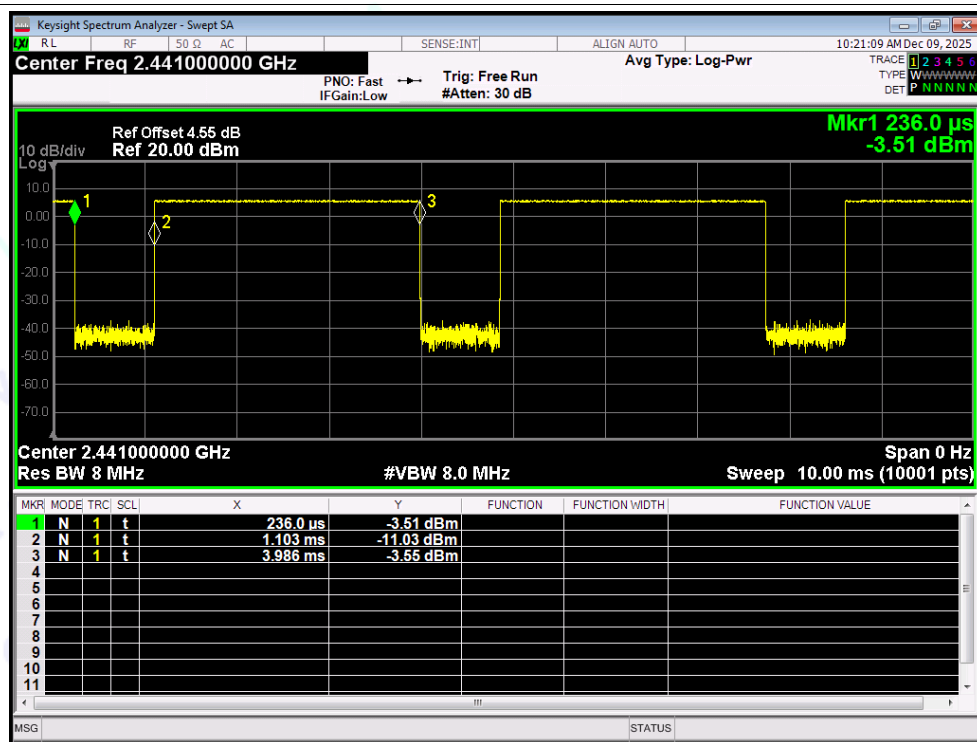
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.88	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.99	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.96	1.14	0.35
NVNT	3-DH5	2402	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.01	1.13	0.35

Test Graphs

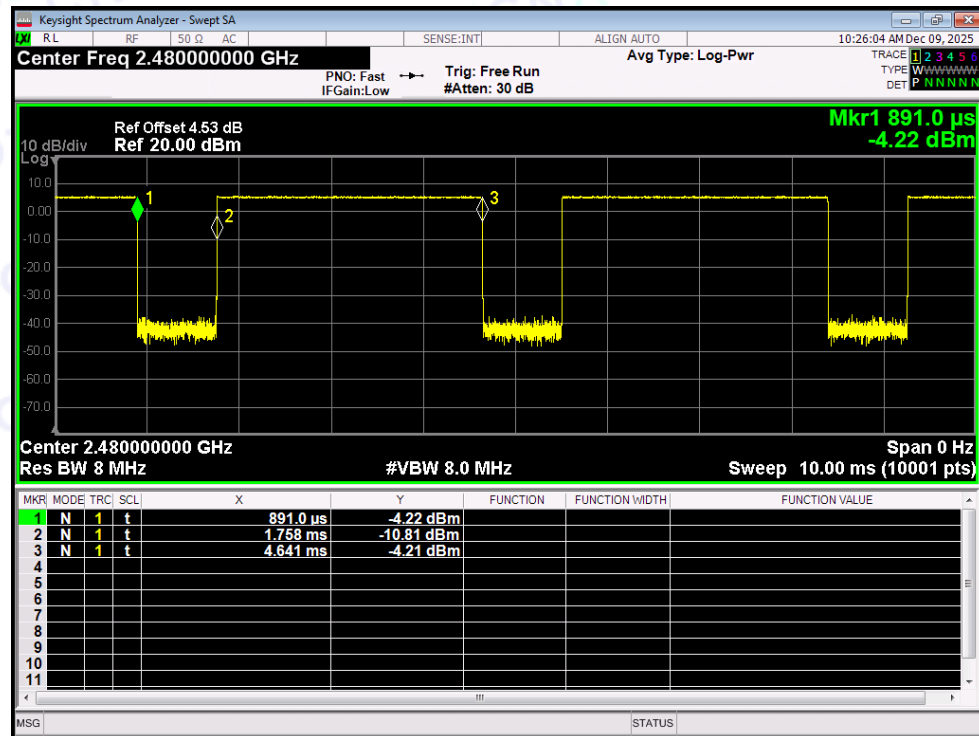
Duty Cycle NVNT 1-DH5 2402MHz Ant1



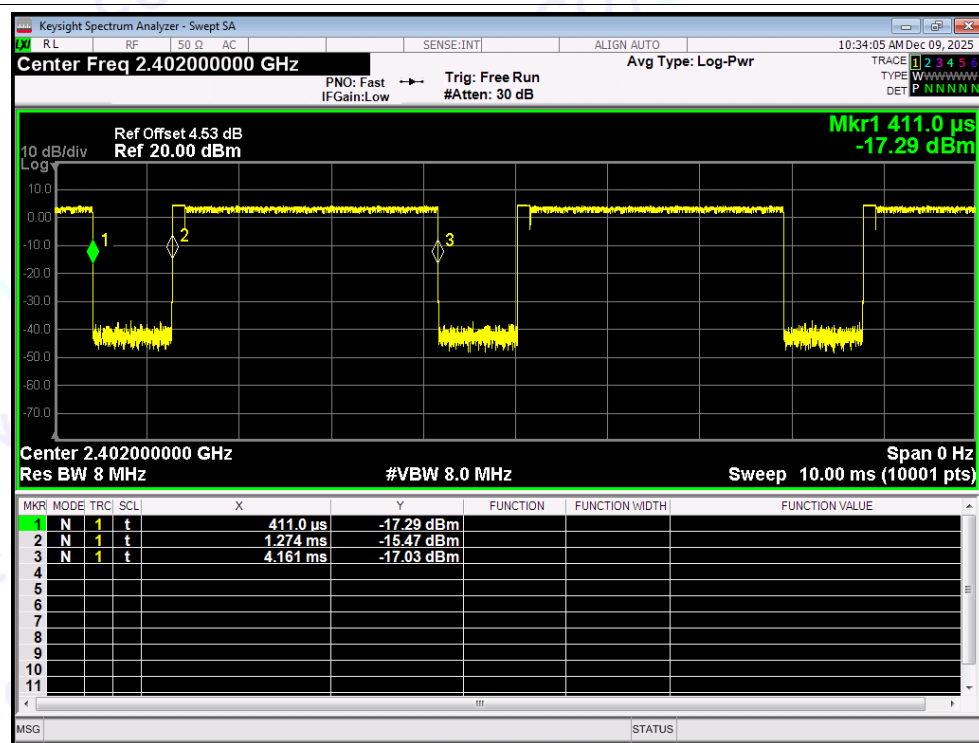
Duty Cycle NVNT 1-DH5 2441MHz Ant1



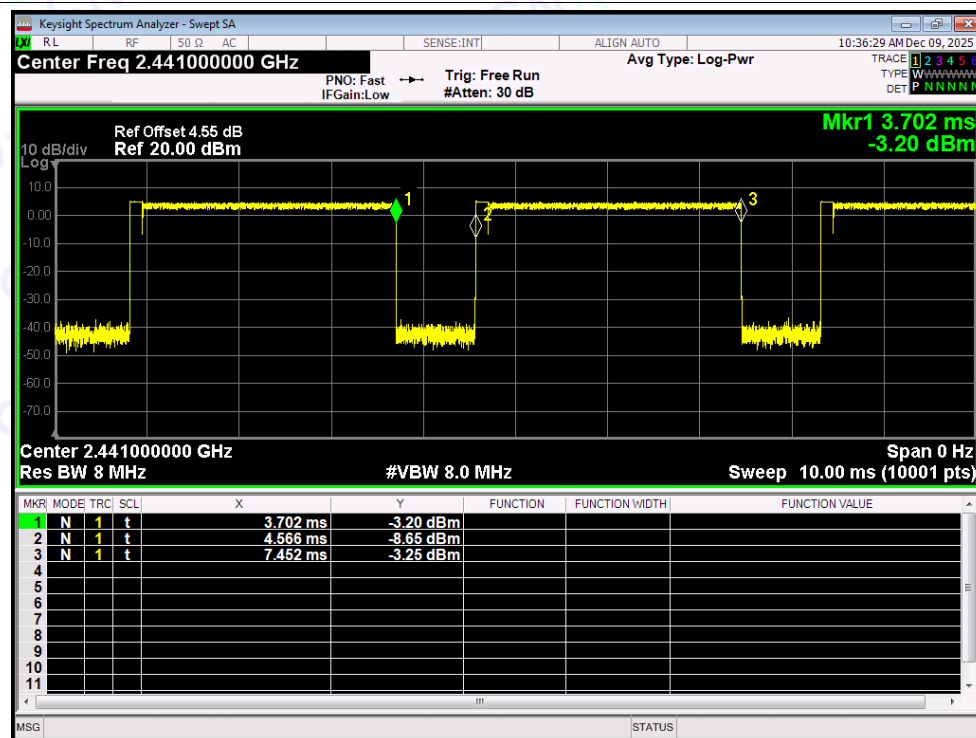
Duty Cycle NVNT 1-DH5 2480MHz Ant1



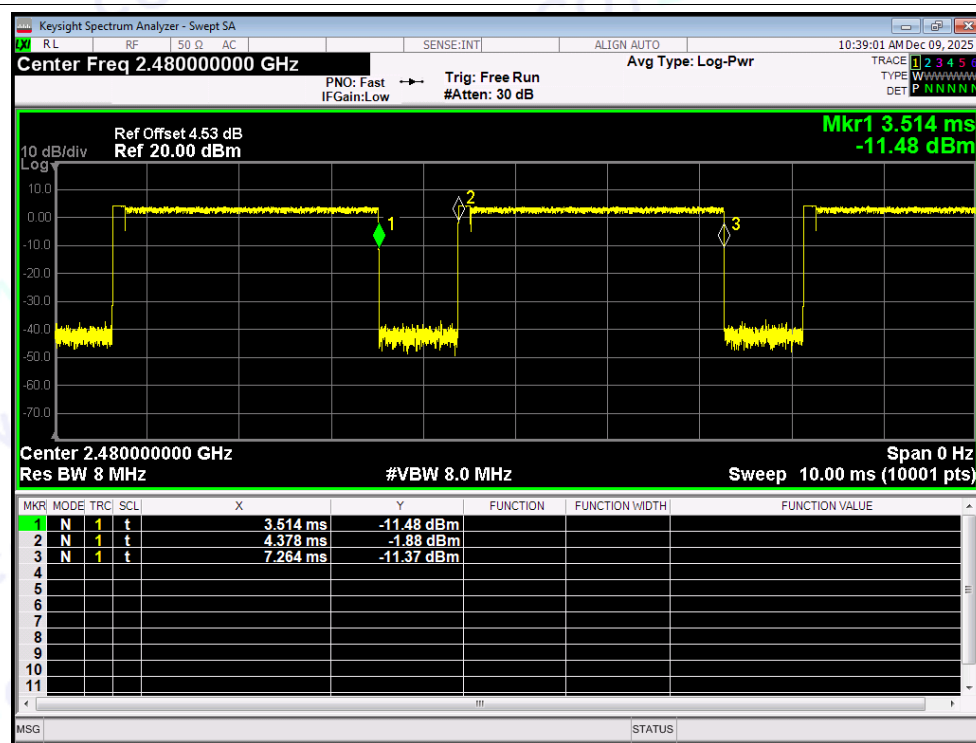
Duty Cycle NVNT 2-DH5 2402MHz Ant1



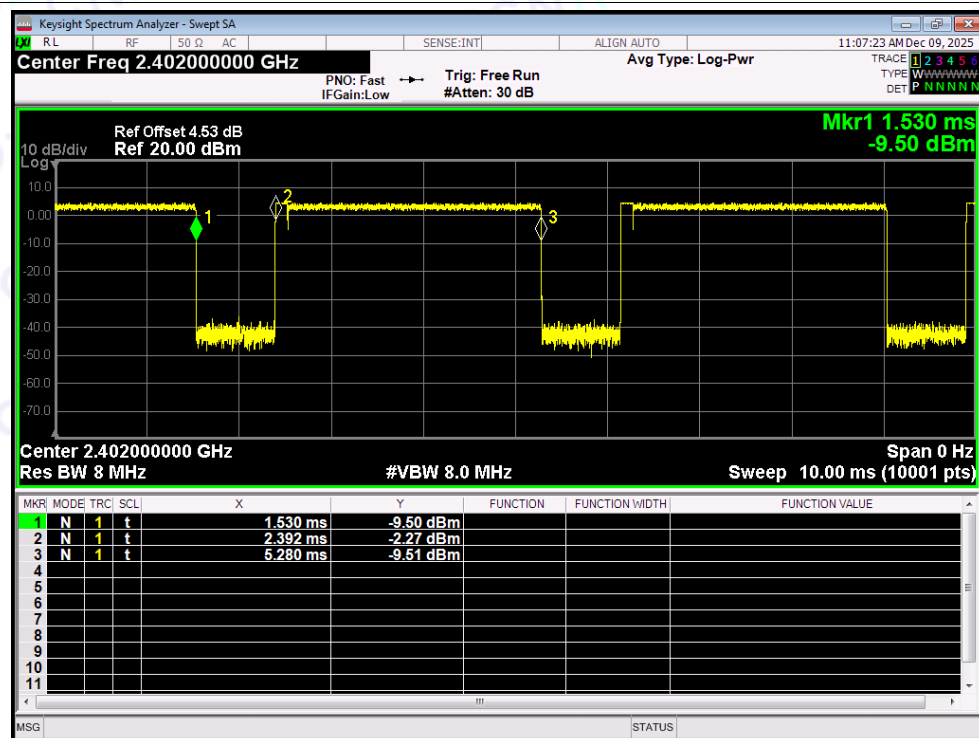
Duty Cycle NVNT 2-DH5 2441MHz Ant1



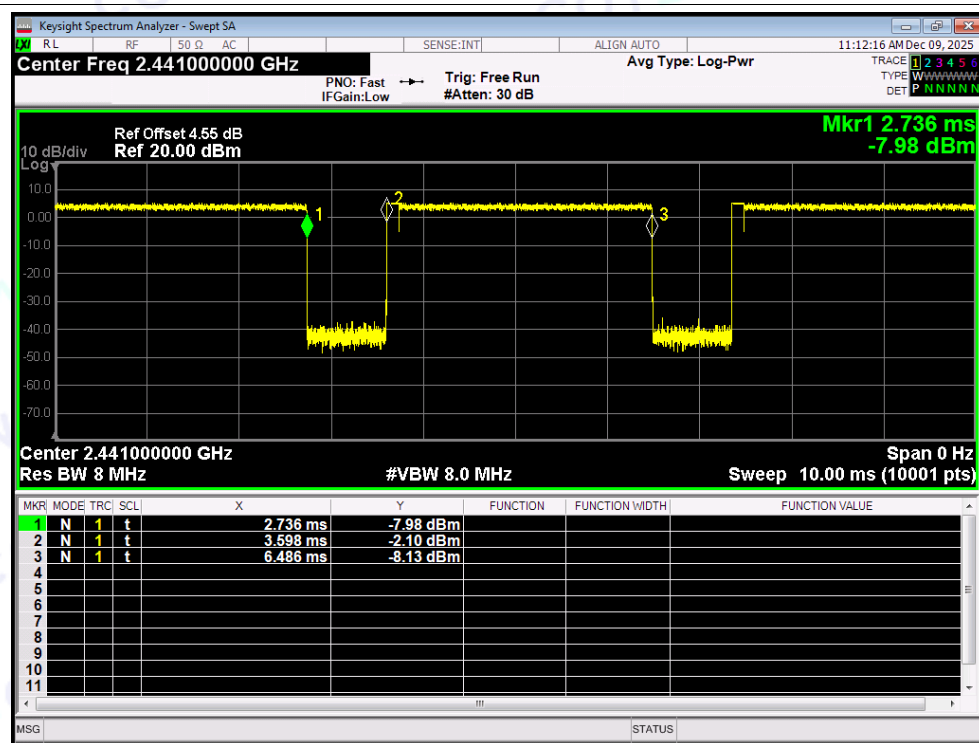
Duty Cycle NVNT 2-DH5 2480MHz Ant1

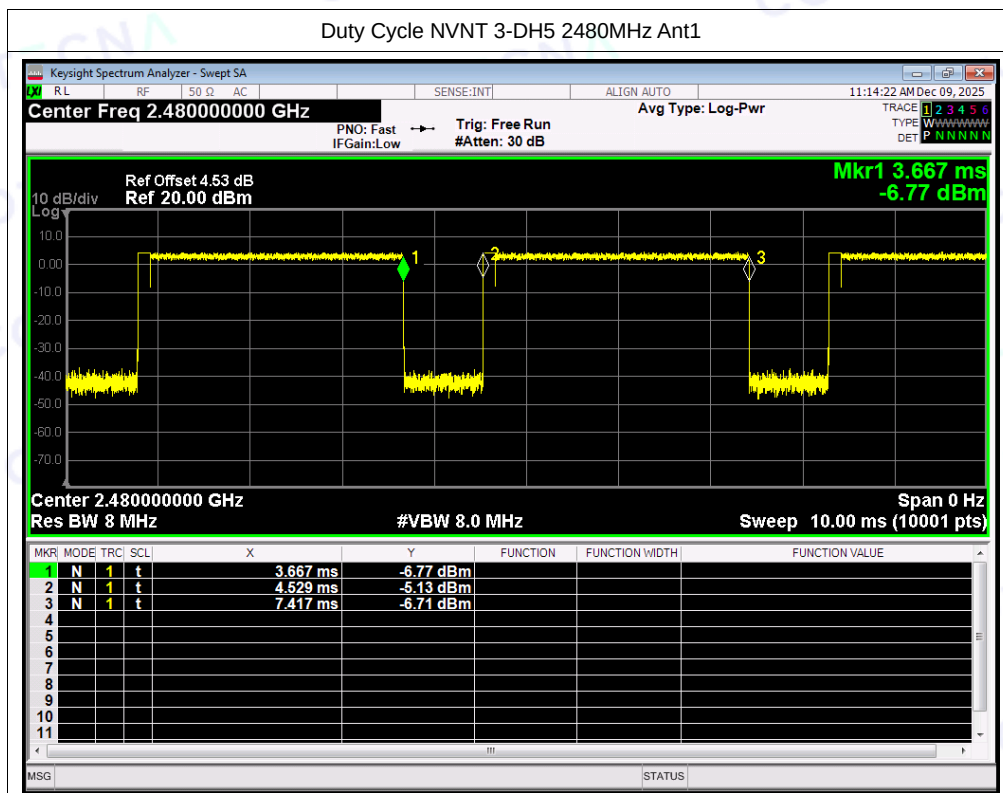


Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1



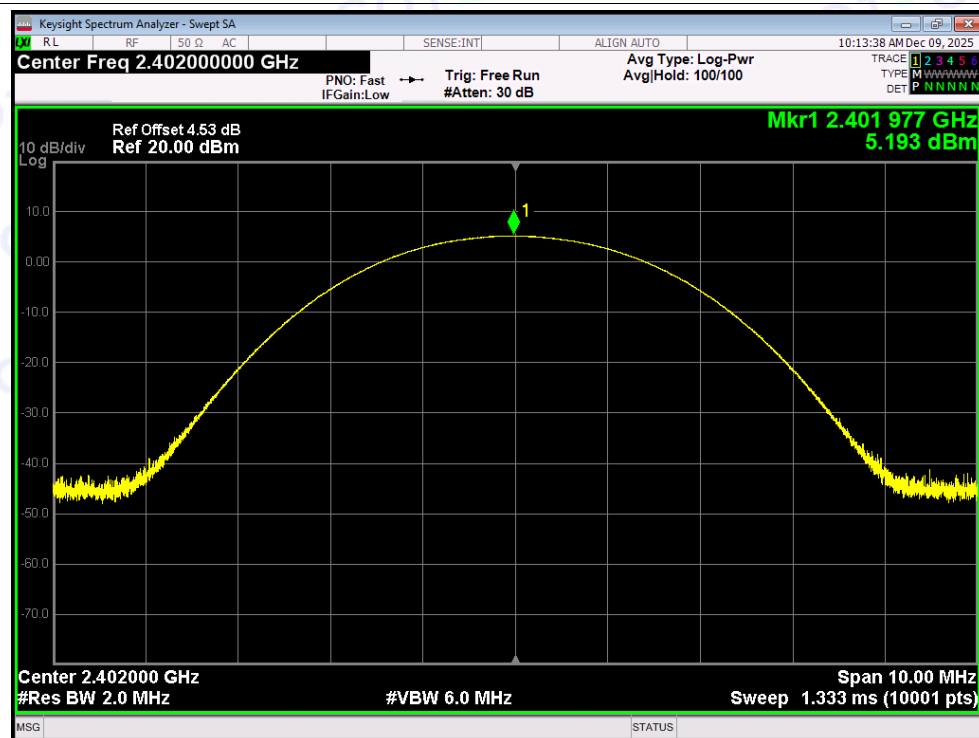


3. Maximum Conducted Output Power

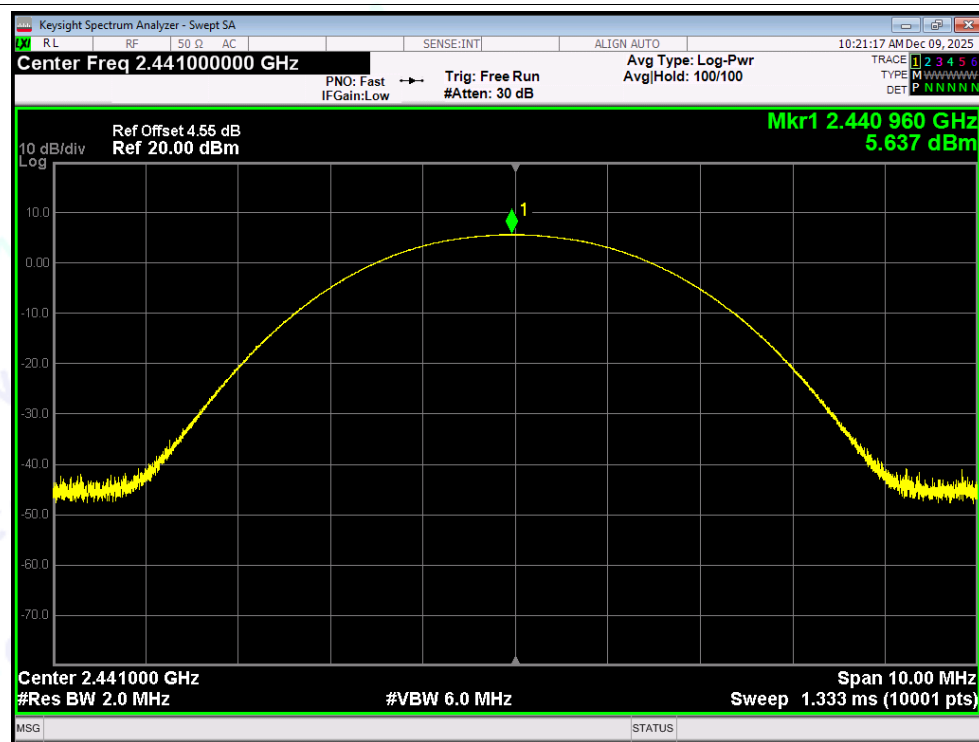
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.193	21	Pass
NVNT	1-DH5	2441	Ant1	5.637	21	Pass
NVNT	1-DH5	2480	Ant1	5.278	21	Pass
NVNT	2-DH5	2402	Ant1	4.329	21	Pass
NVNT	2-DH5	2441	Ant1	4.92	21	Pass
NVNT	2-DH5	2480	Ant1	4.07	21	Pass
NVNT	3-DH5	2402	Ant1	4.385	21	Pass
NVNT	3-DH5	2441	Ant1	4.982	21	Pass
NVNT	3-DH5	2480	Ant1	4.164	21	Pass

Test Graphs

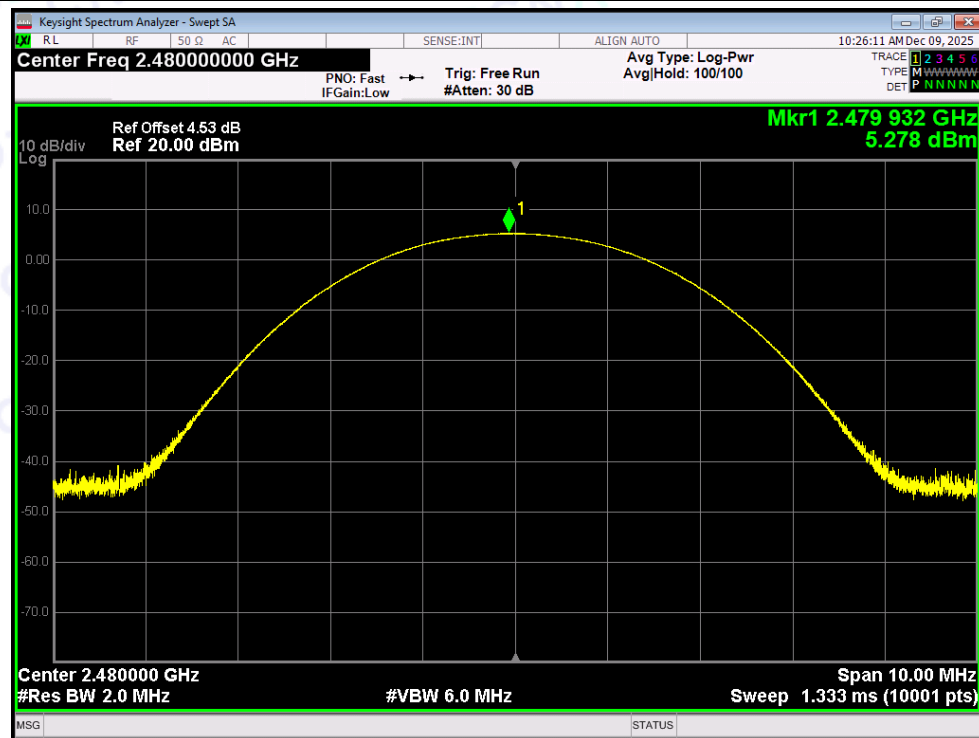
Power NVNT 1-DH5 2402MHz Ant1



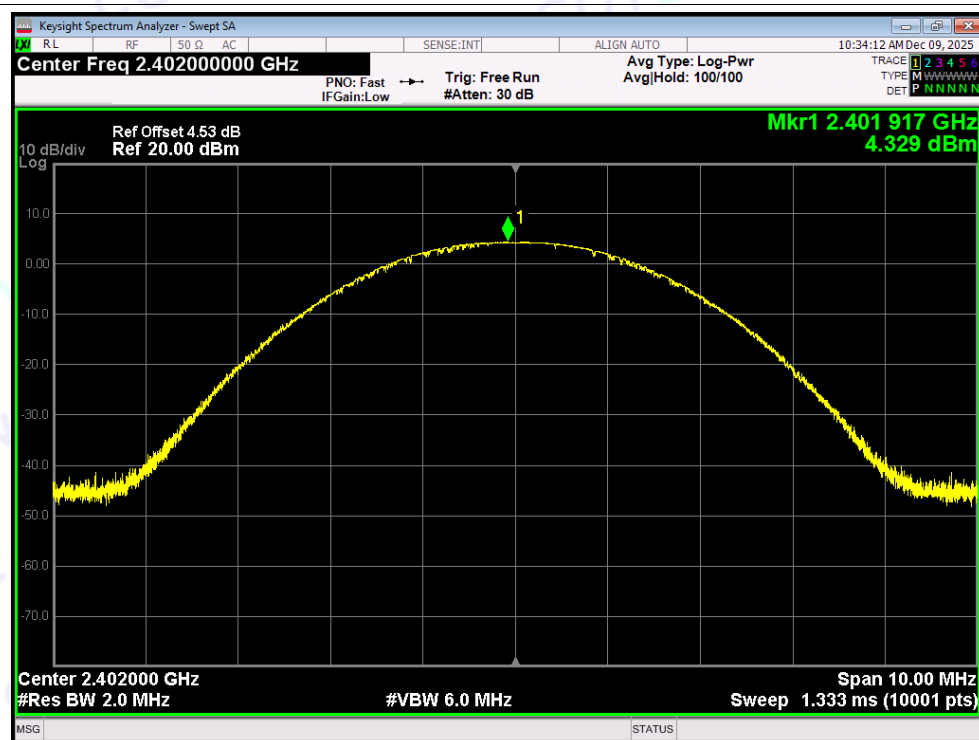
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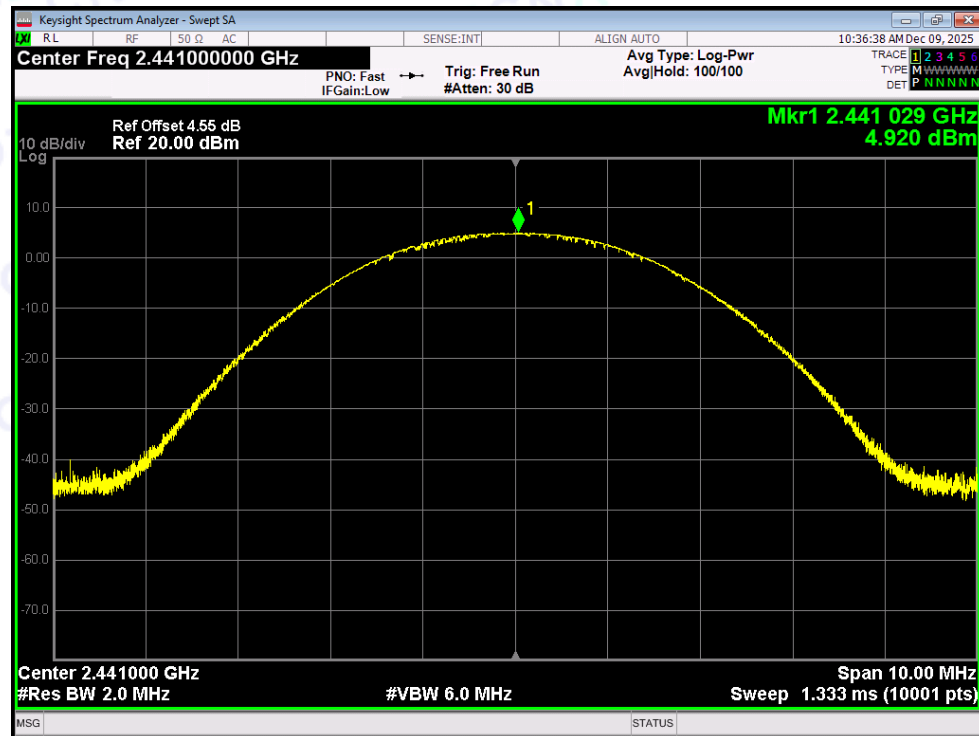
Power NVNT 1-DH5 2480MHz Ant1



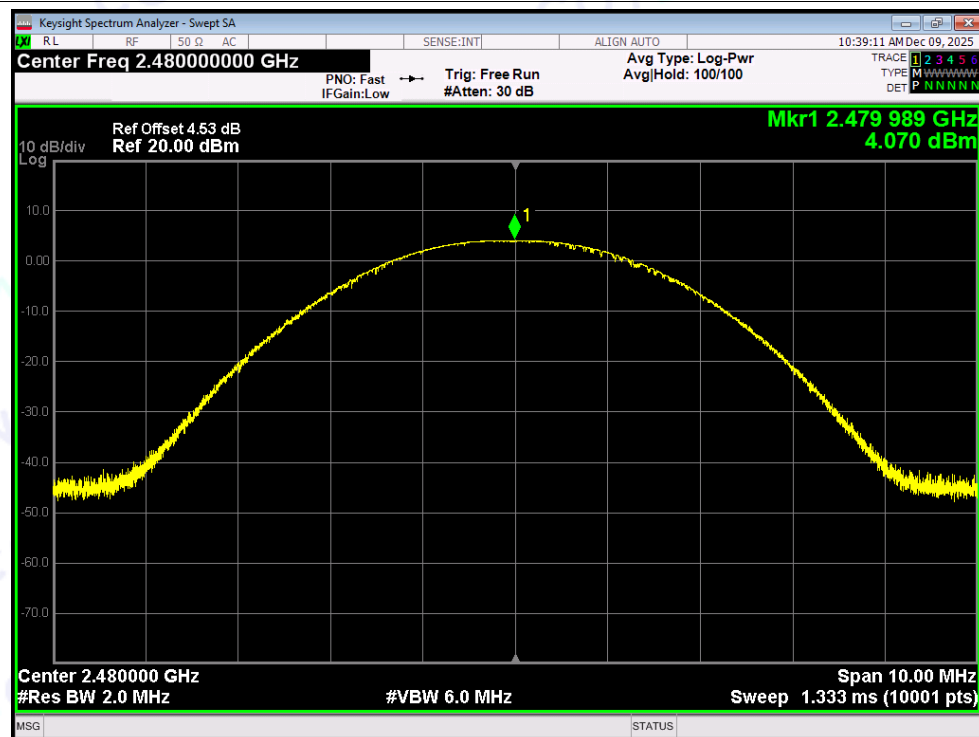
Power NVNT 2-DH5 2402MHz Ant1



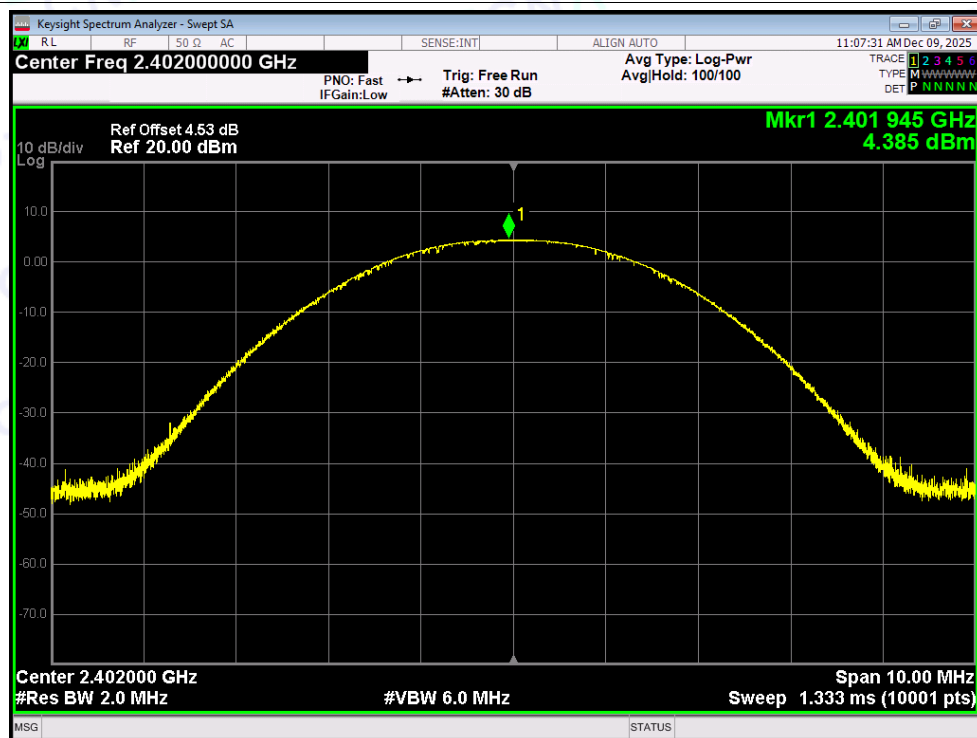
Power NVNT 2-DH5 2441MHz Ant1



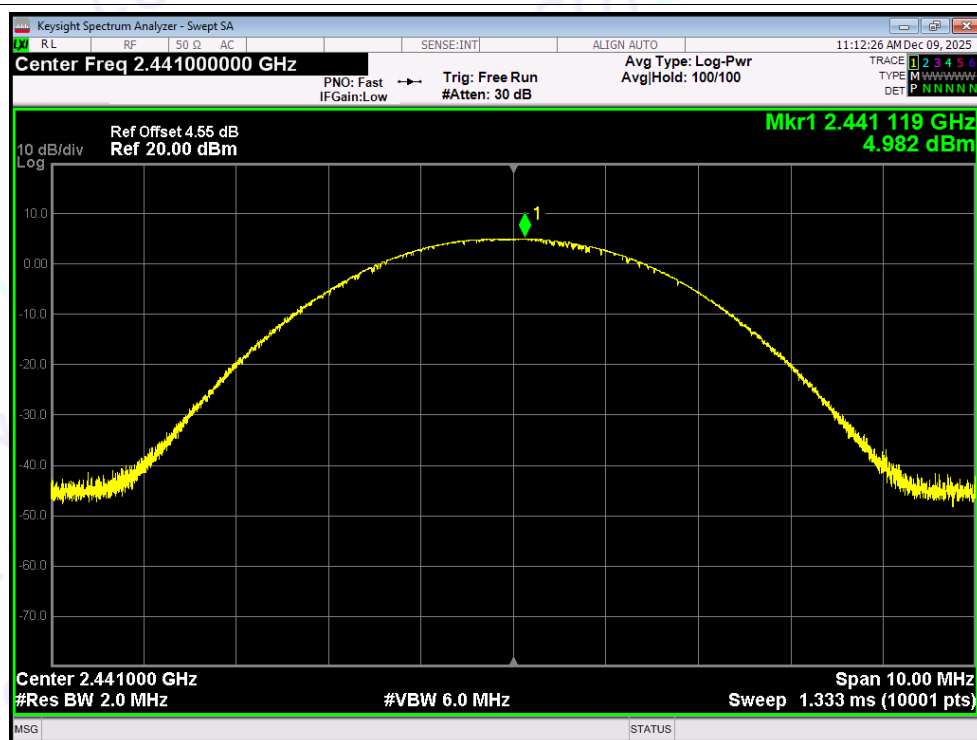
Power NVNT 2-DH5 2480MHz Ant1

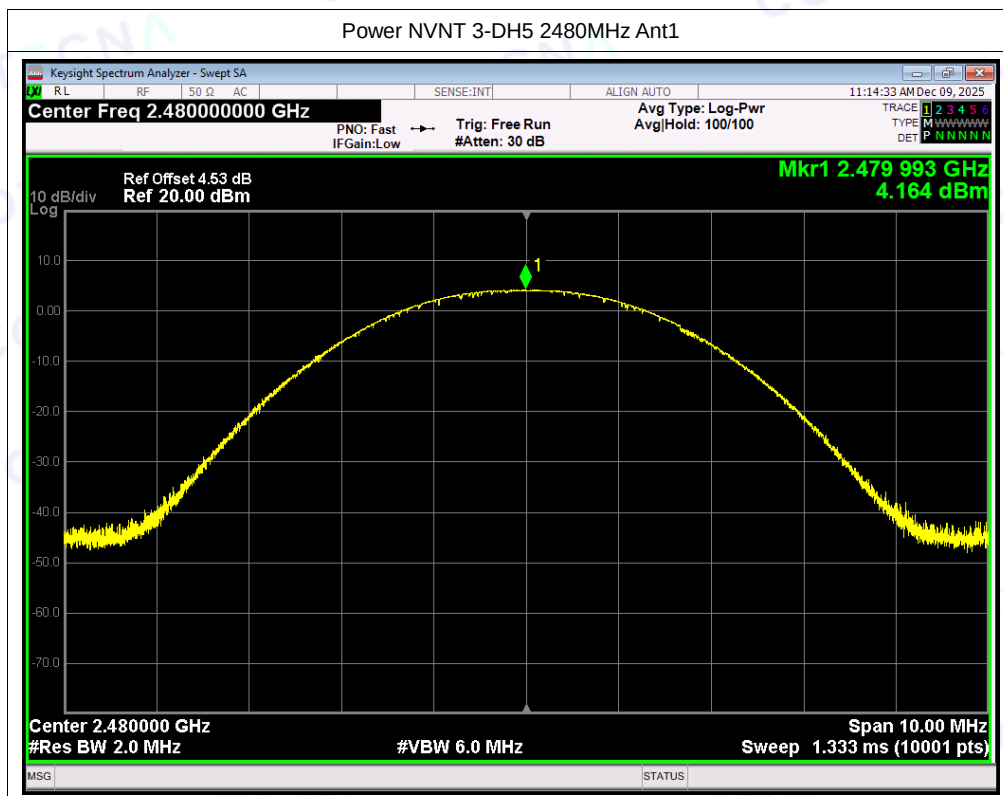


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



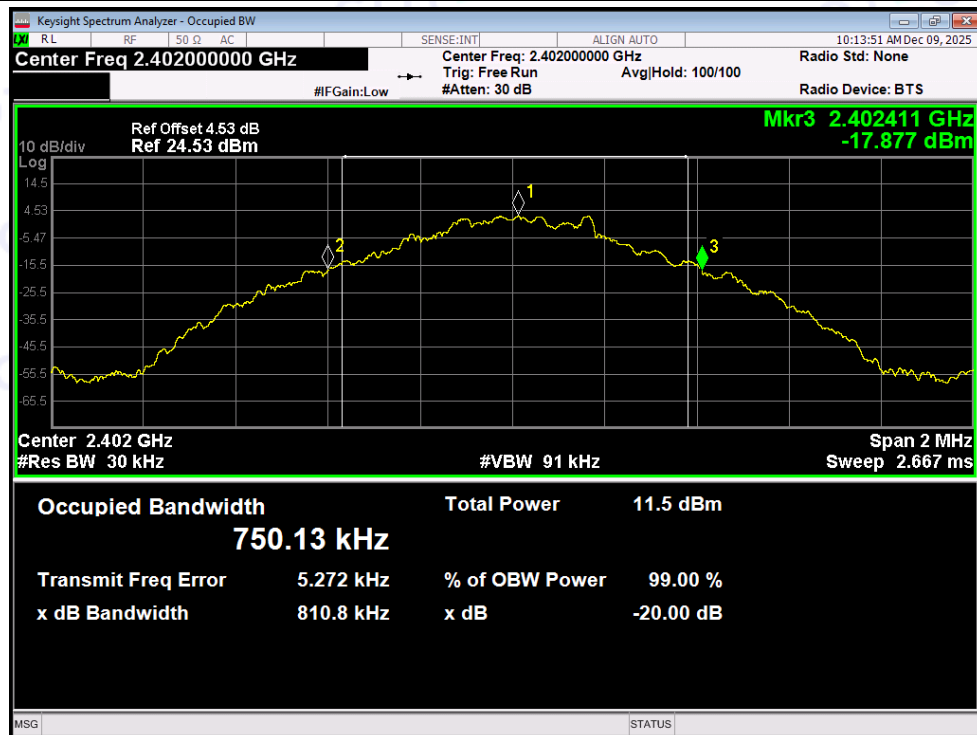


4. -20dB Bandwidth

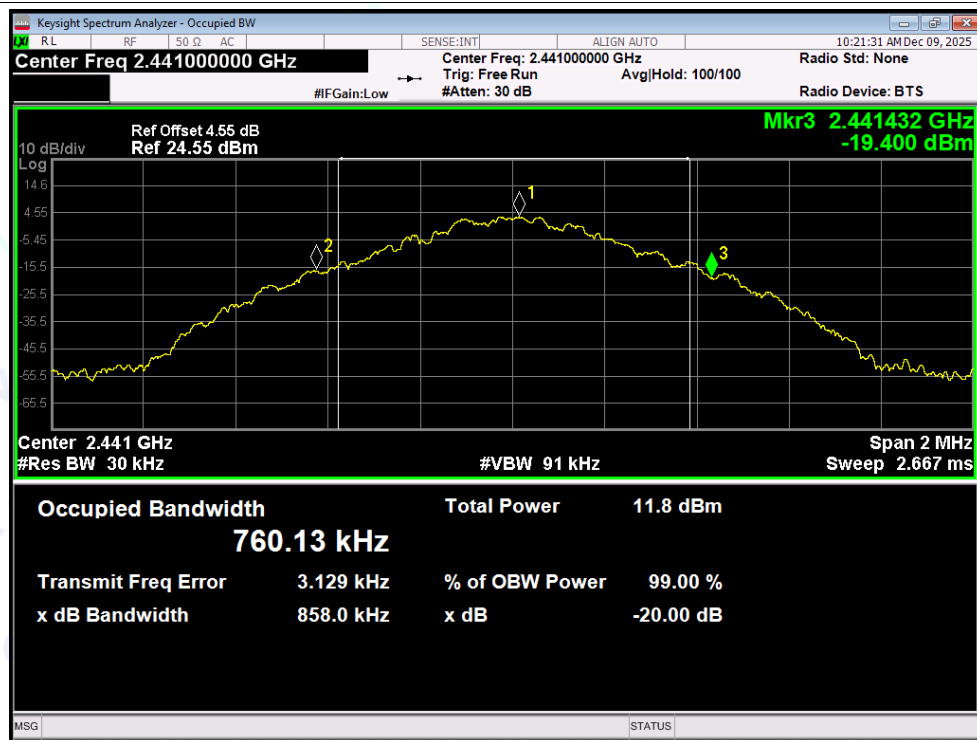
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.81	----	Pass
NVNT	1-DH5	2441	Ant1	0.86	----	Pass
NVNT	1-DH5	2480	Ant1	0.84	----	Pass
NVNT	2-DH5	2402	Ant1	1.27	----	Pass
NVNT	2-DH5	2441	Ant1	1.27	----	Pass
NVNT	2-DH5	2480	Ant1	1.26	----	Pass
NVNT	3-DH5	2402	Ant1	1.25	----	Pass
NVNT	3-DH5	2441	Ant1	1.29	----	Pass
NVNT	3-DH5	2480	Ant1	1.28	----	Pass

Test Graphs

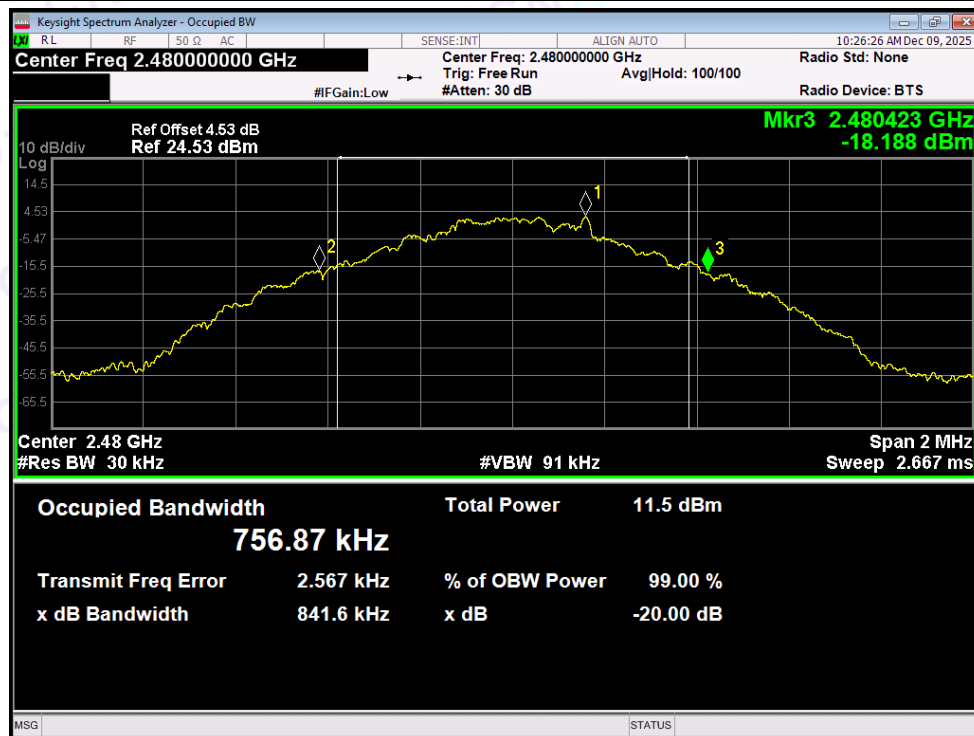
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



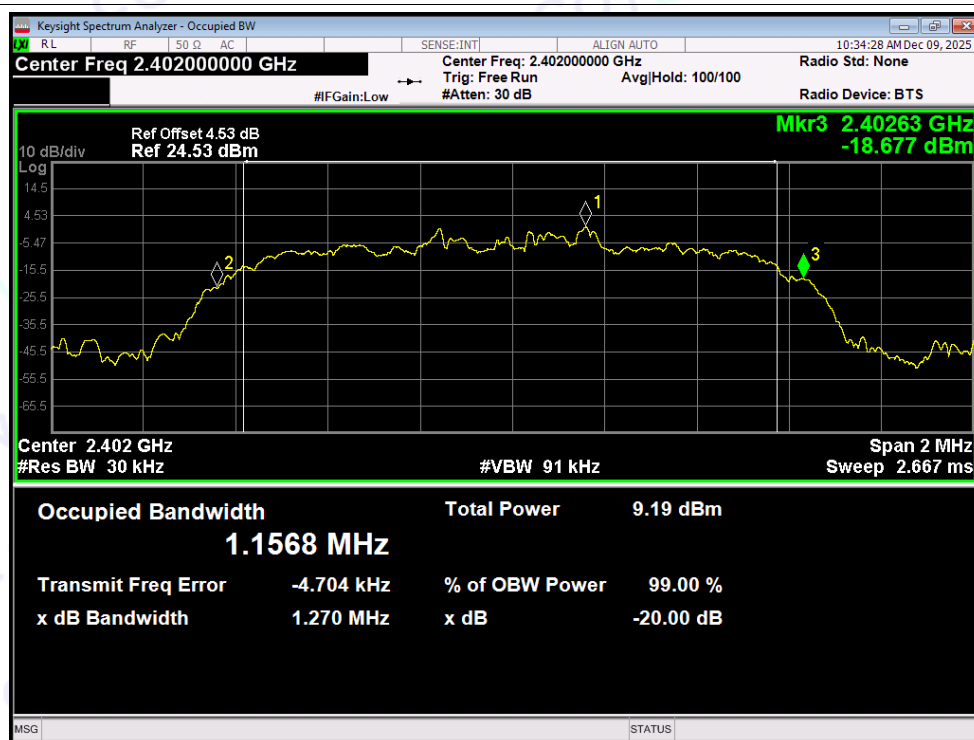
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



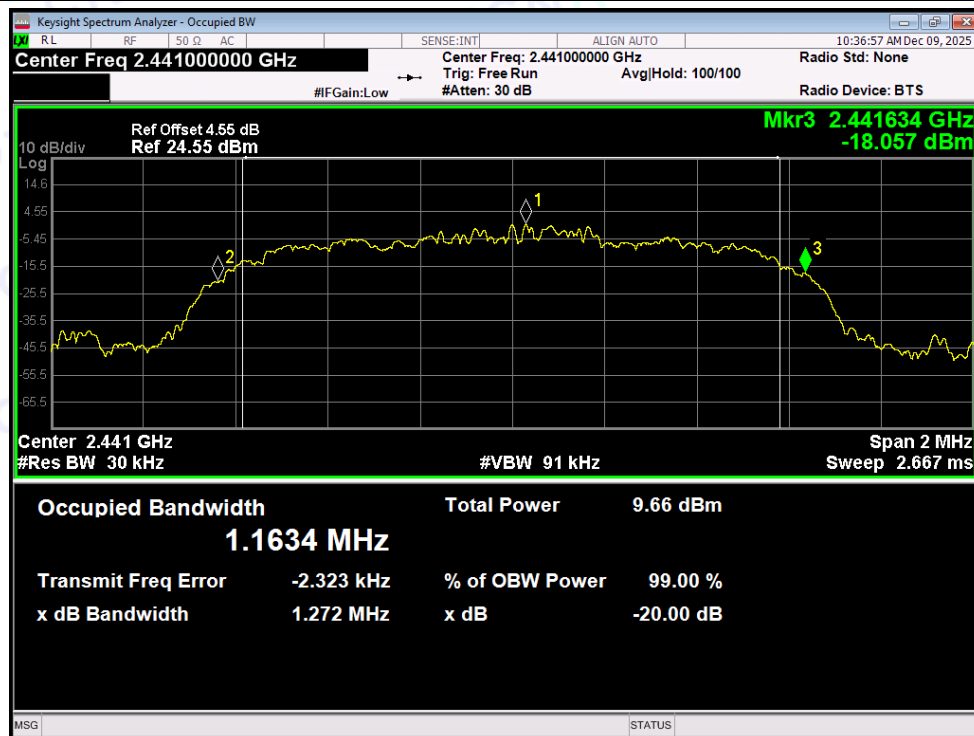
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



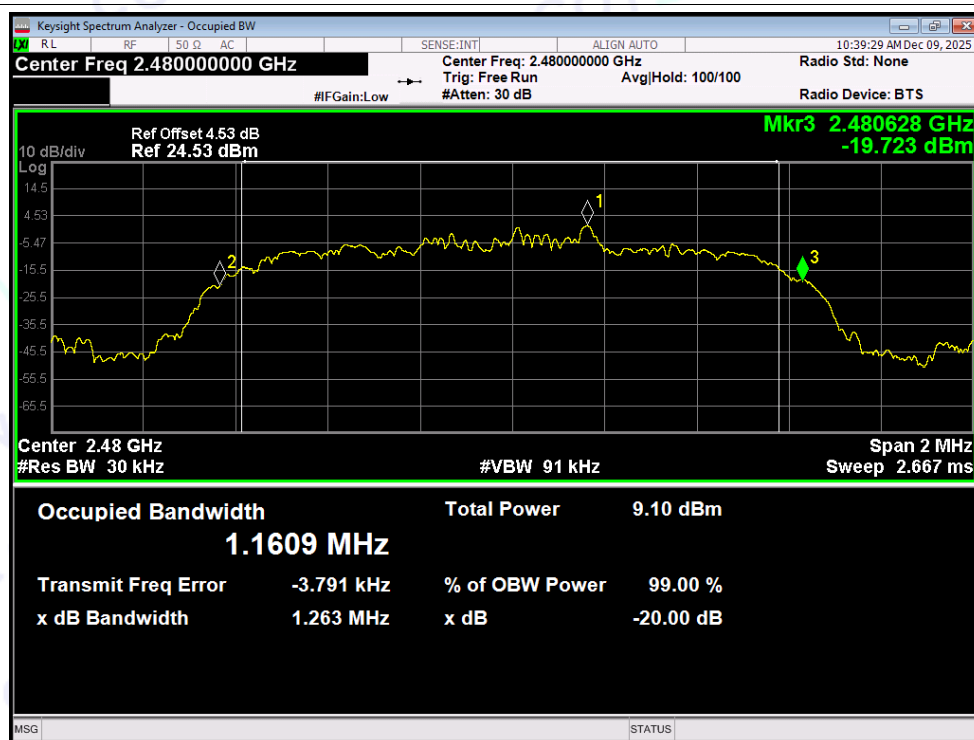
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



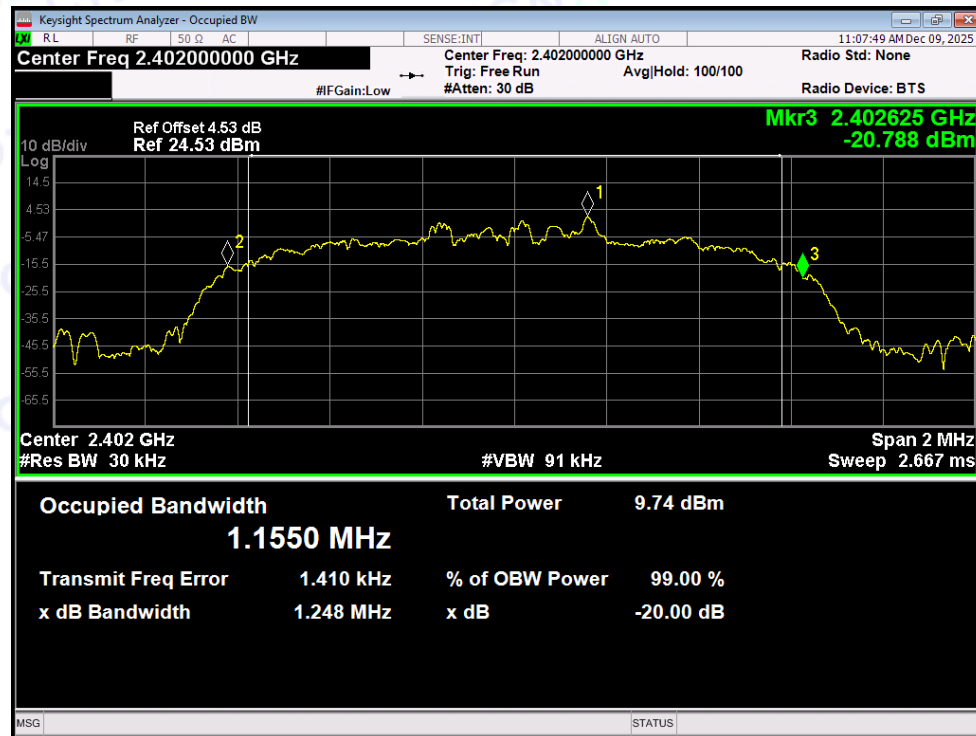
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



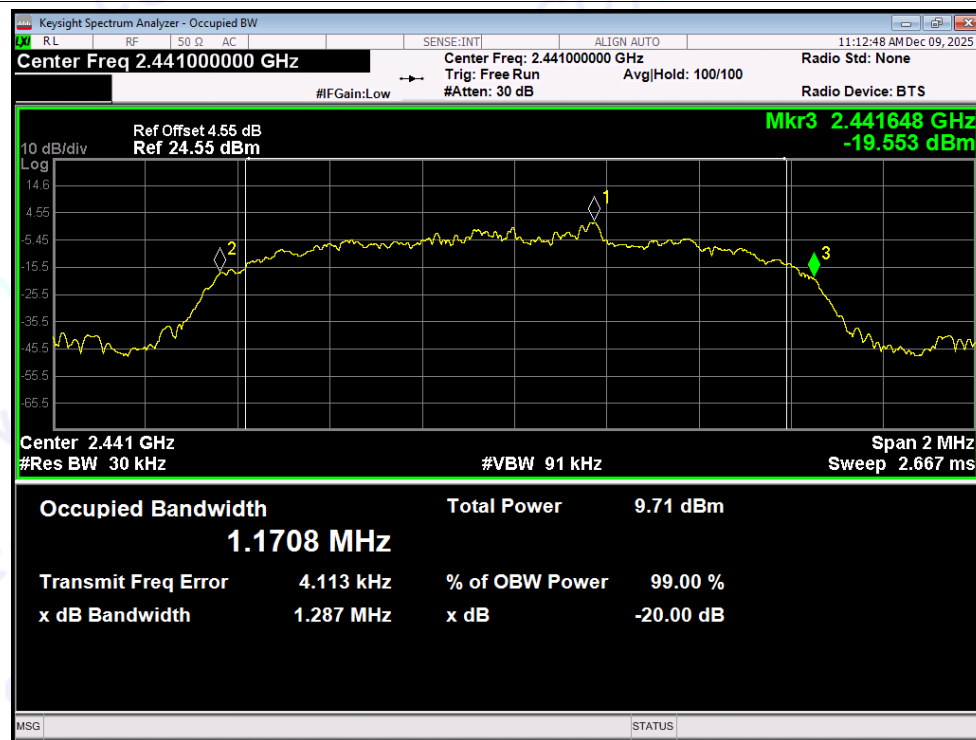
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

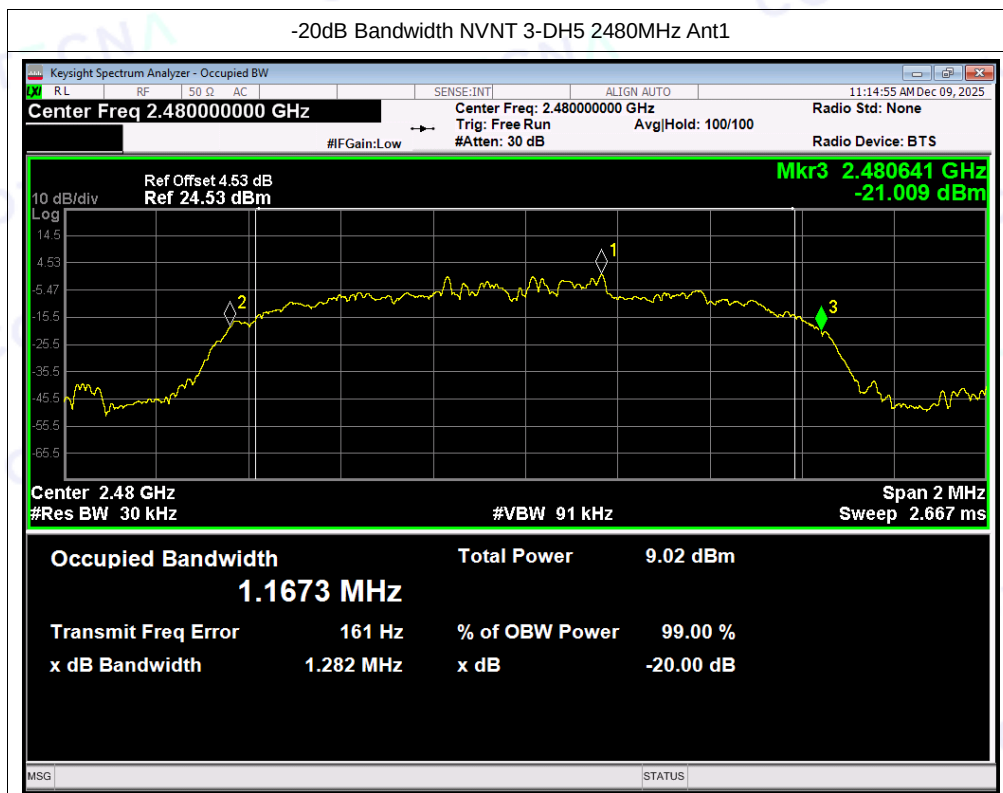


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



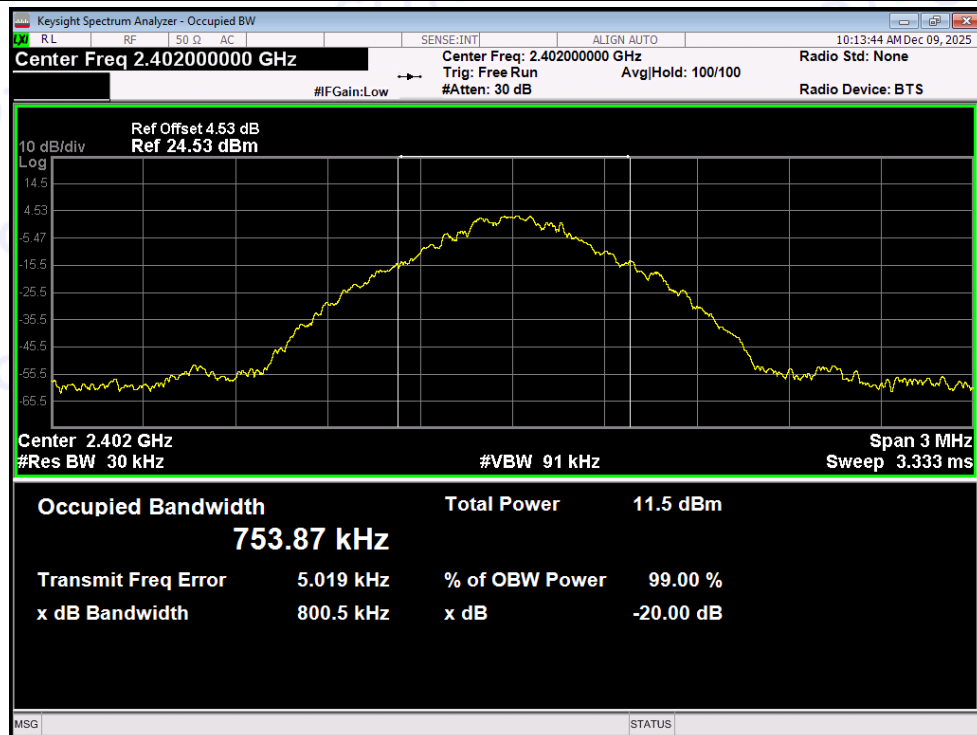


5. Occupied Channel Bandwidth

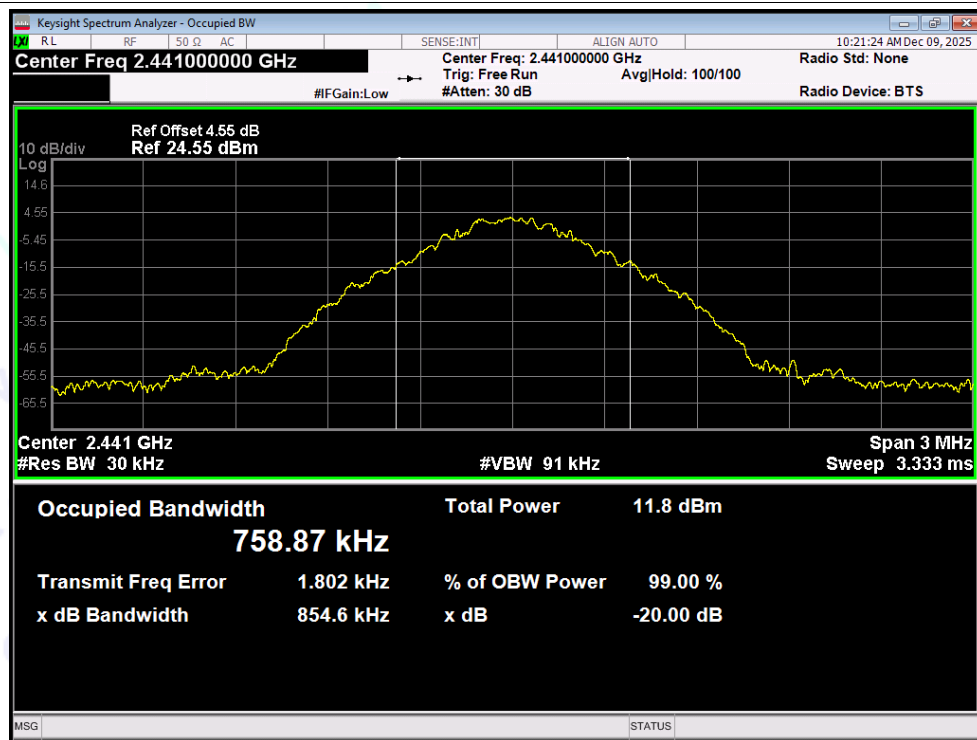
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.754
NVNT	1-DH5	2441	Ant1	0.759
NVNT	1-DH5	2480	Ant1	0.755
NVNT	2-DH5	2402	Ant1	1.155
NVNT	2-DH5	2441	Ant1	1.159
NVNT	2-DH5	2480	Ant1	1.168
NVNT	3-DH5	2402	Ant1	1.183
NVNT	3-DH5	2441	Ant1	1.162
NVNT	3-DH5	2480	Ant1	1.187

Test Graphs

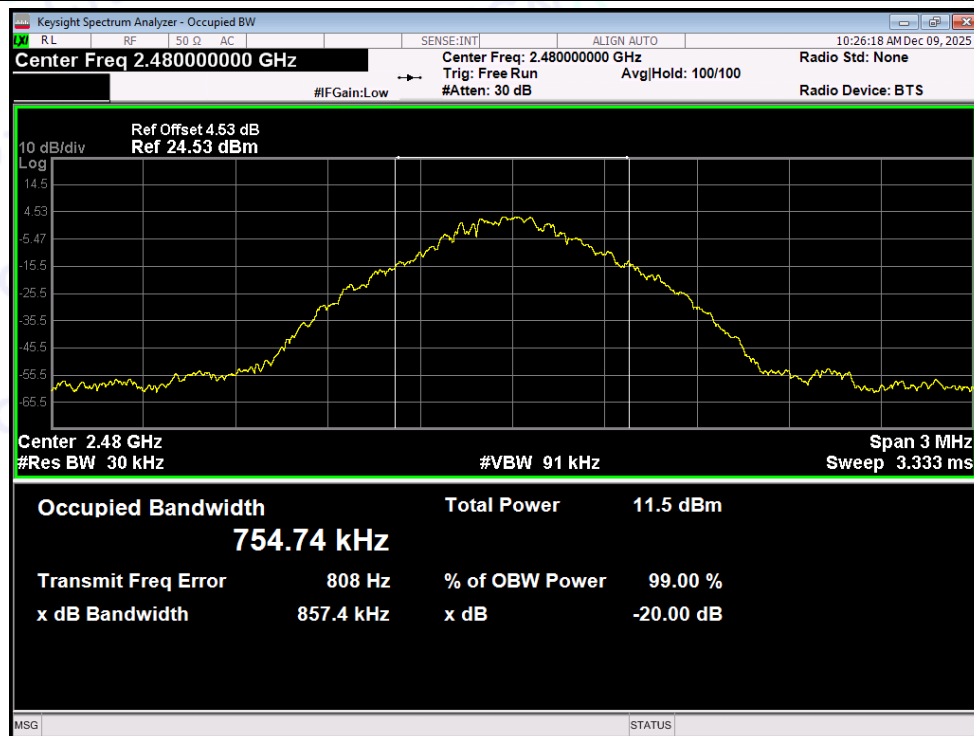
OBW NVNT 1-DH5 2402MHz Ant1



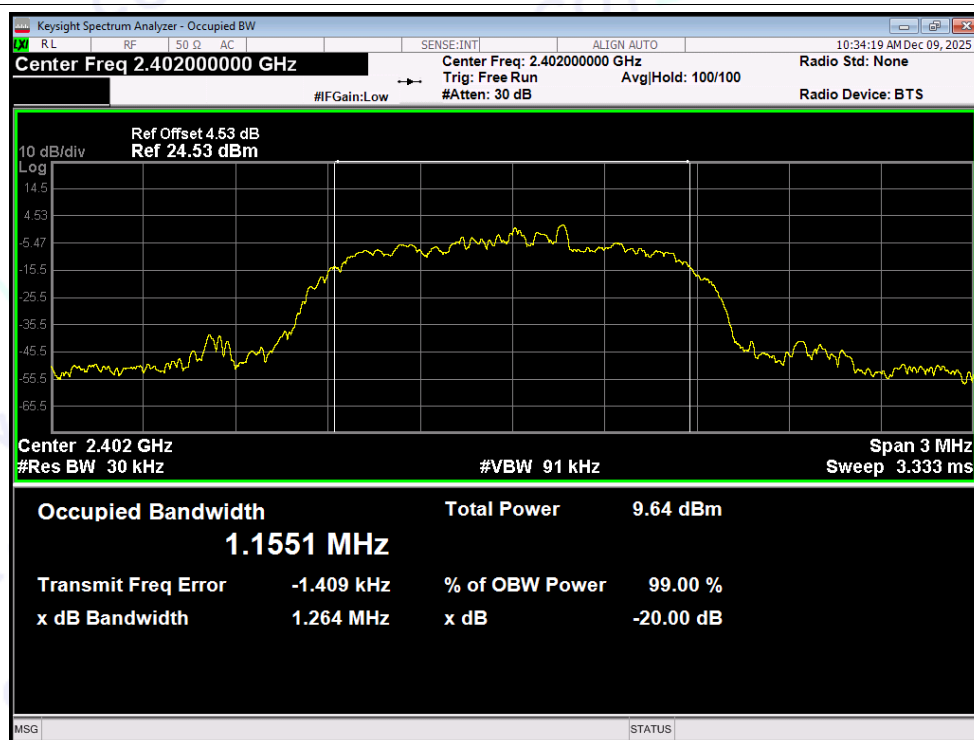
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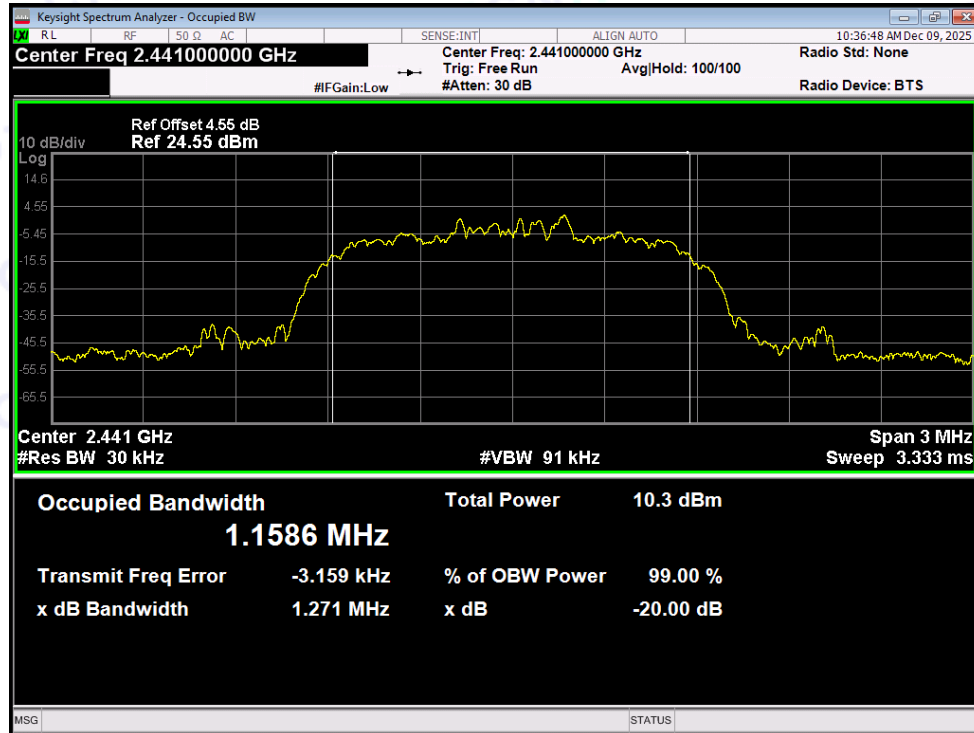
OBW NVNT 1-DH5 2480MHz Ant1



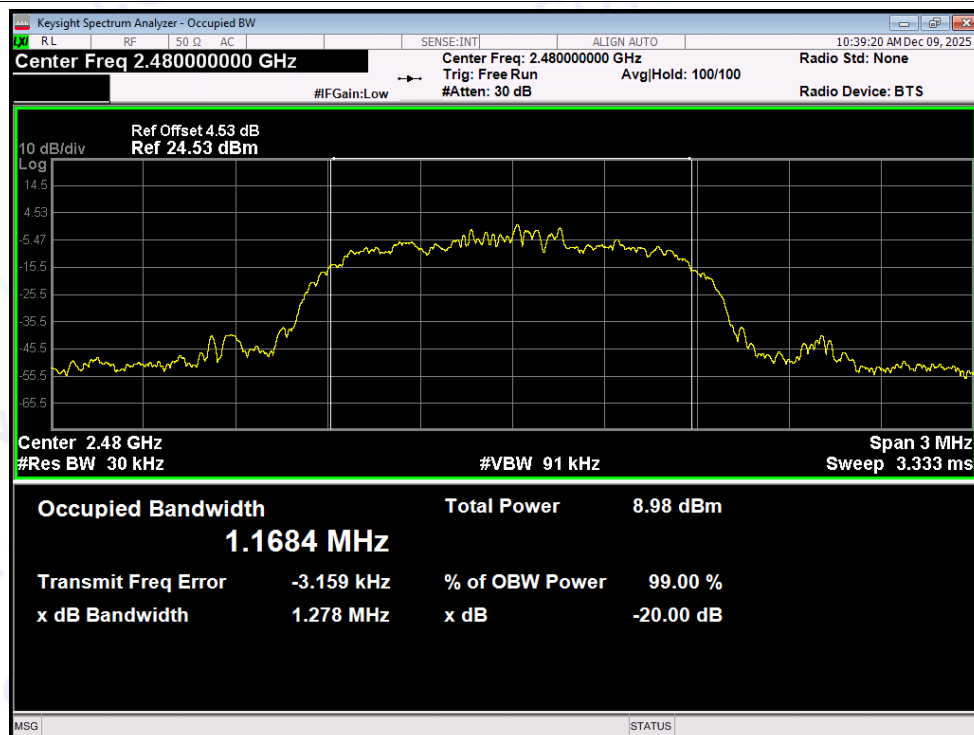
OBW NVNT 2-DH5 2402MHz Ant1



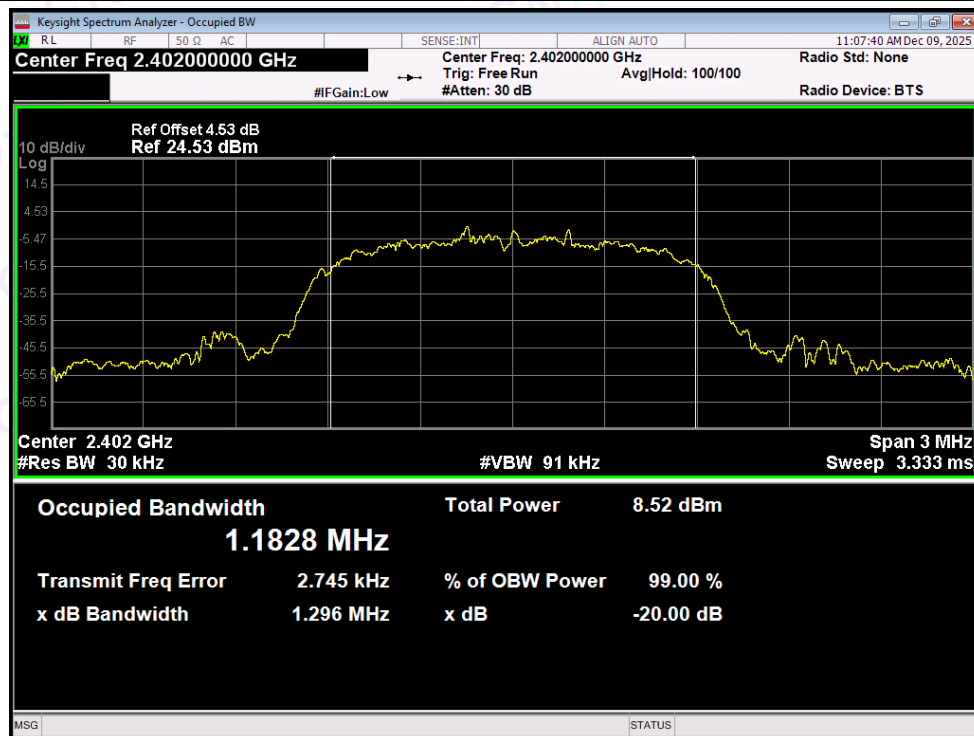
OBW NVNT 2-DH5 2441MHz Ant1



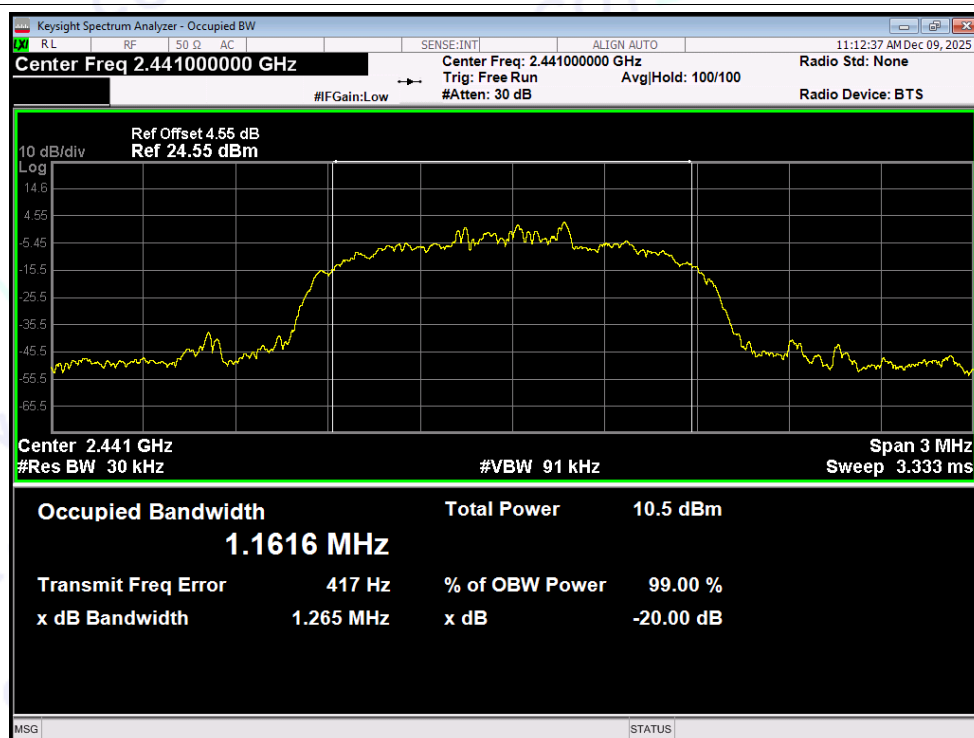
OBW NVNT 2-DH5 2480MHz Ant1

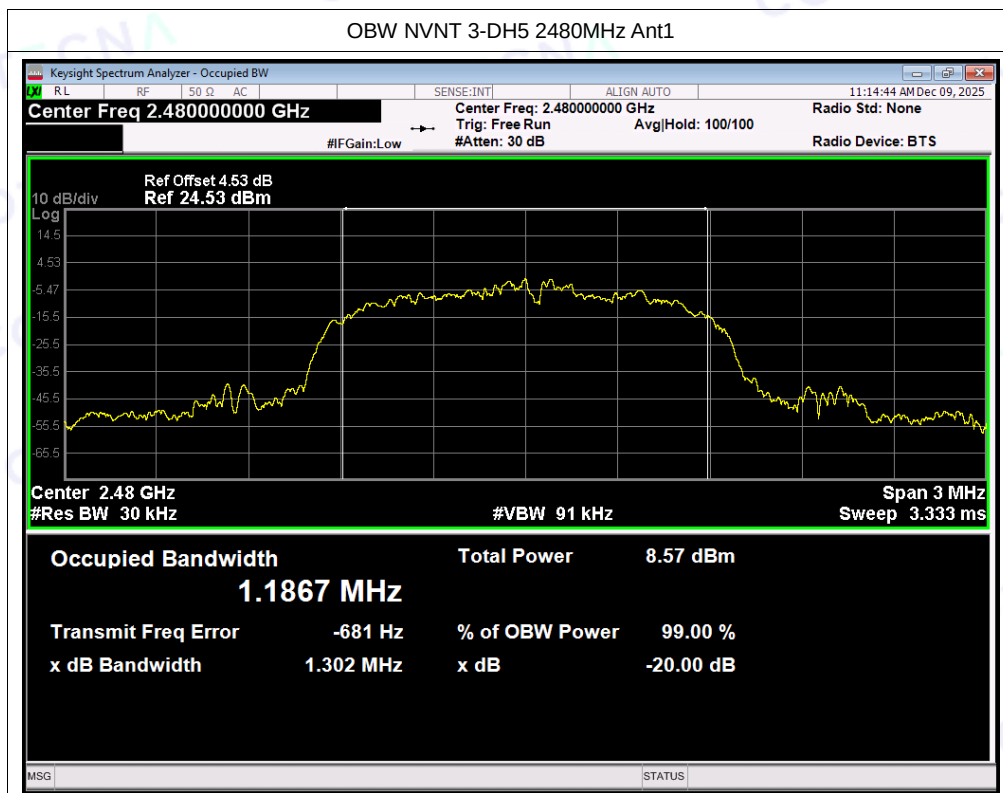


OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



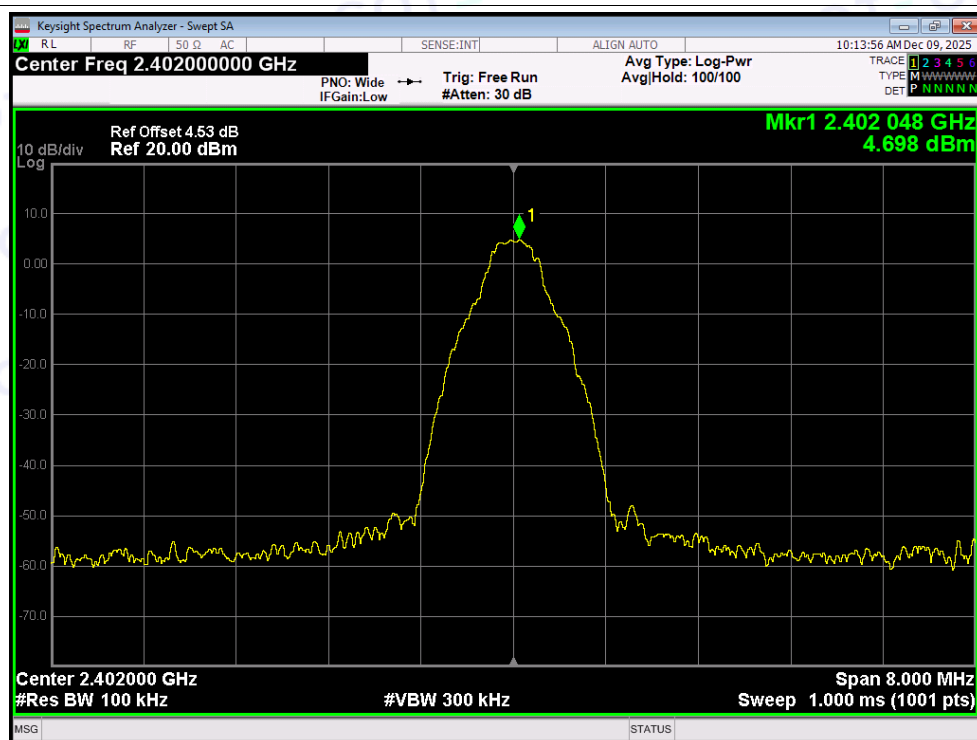


6. Band Edge

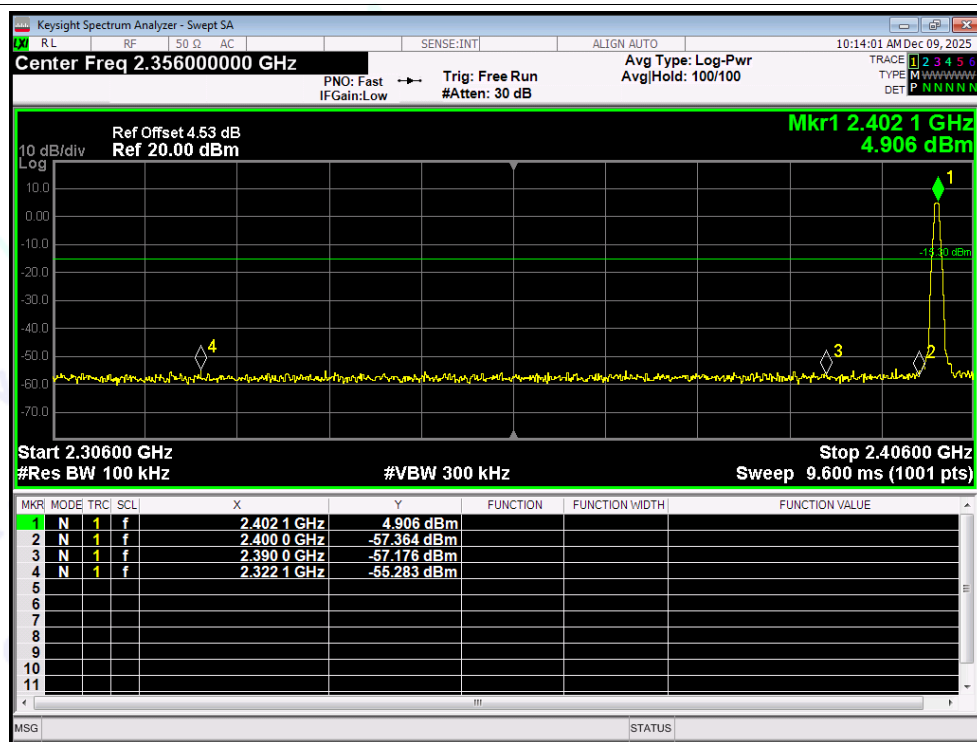
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-59.98	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-59.37	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-57	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.39	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-59.29	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-57.05	-20	Pass

Test Graphs

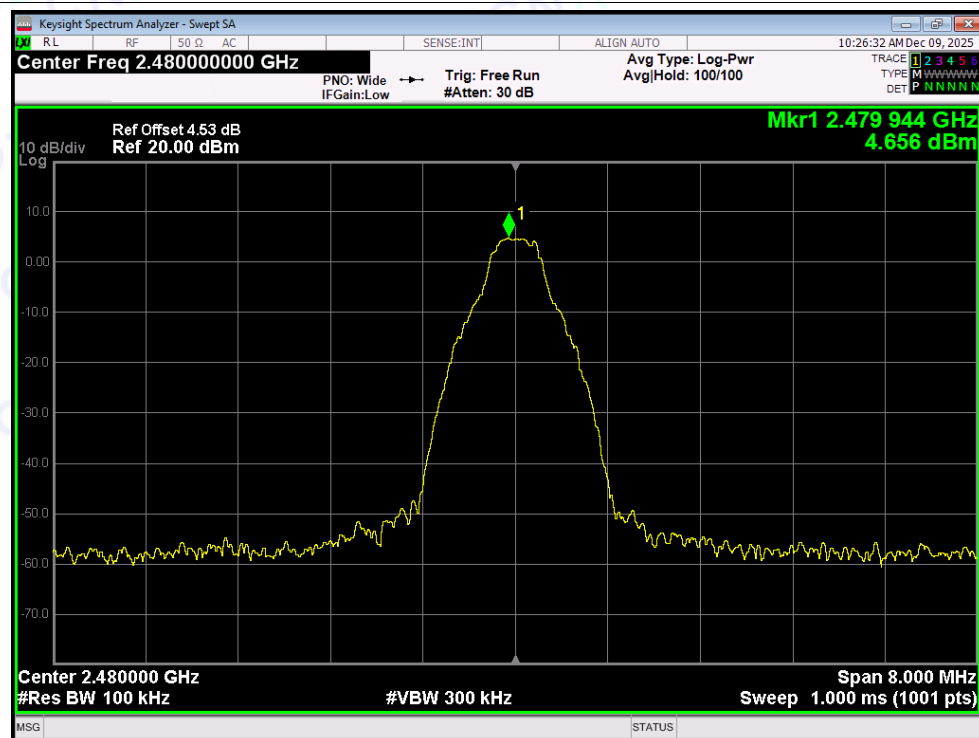
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



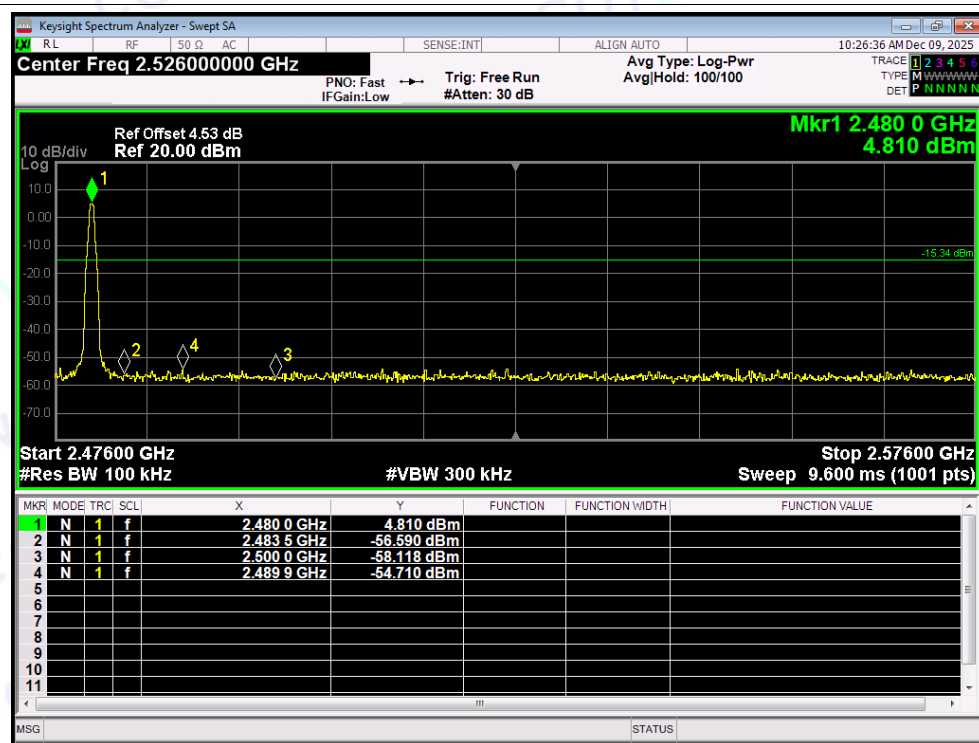
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



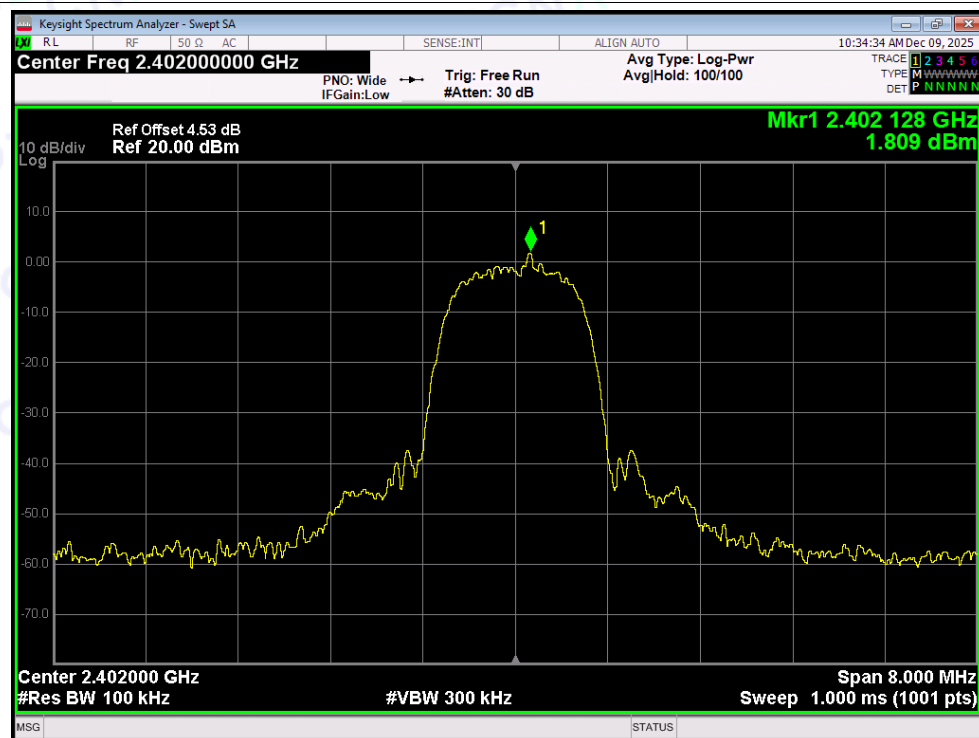
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



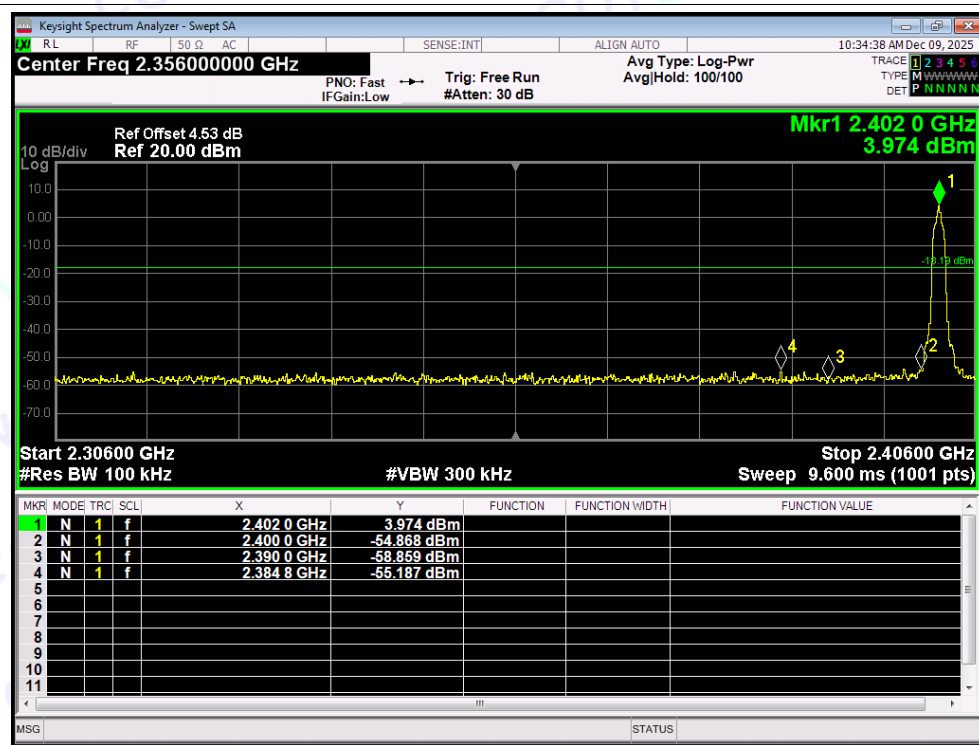
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



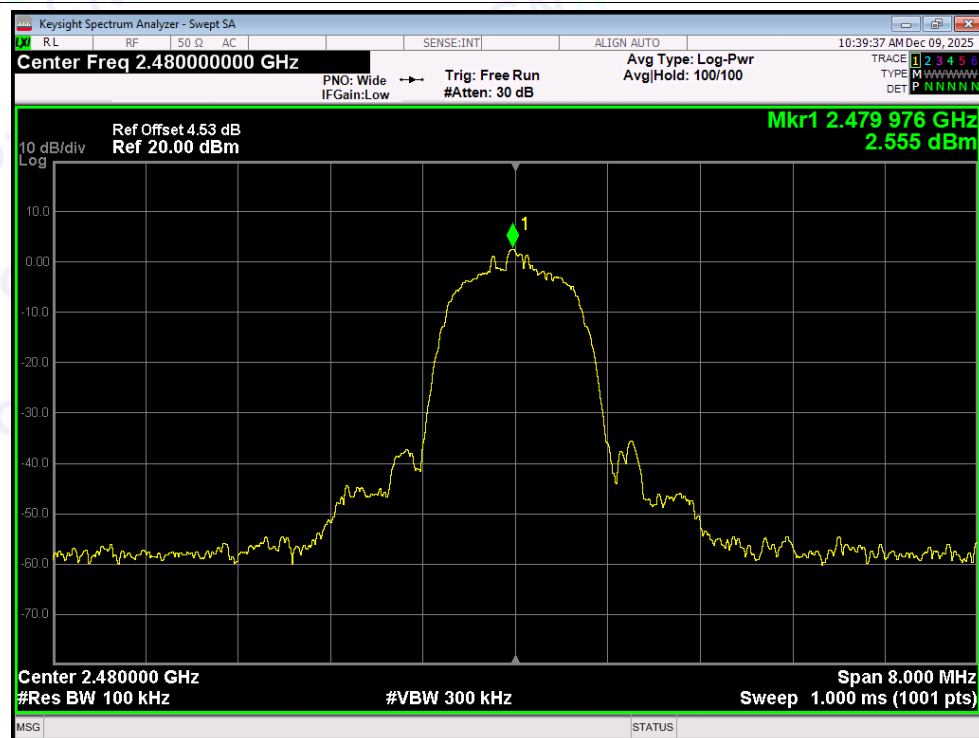
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



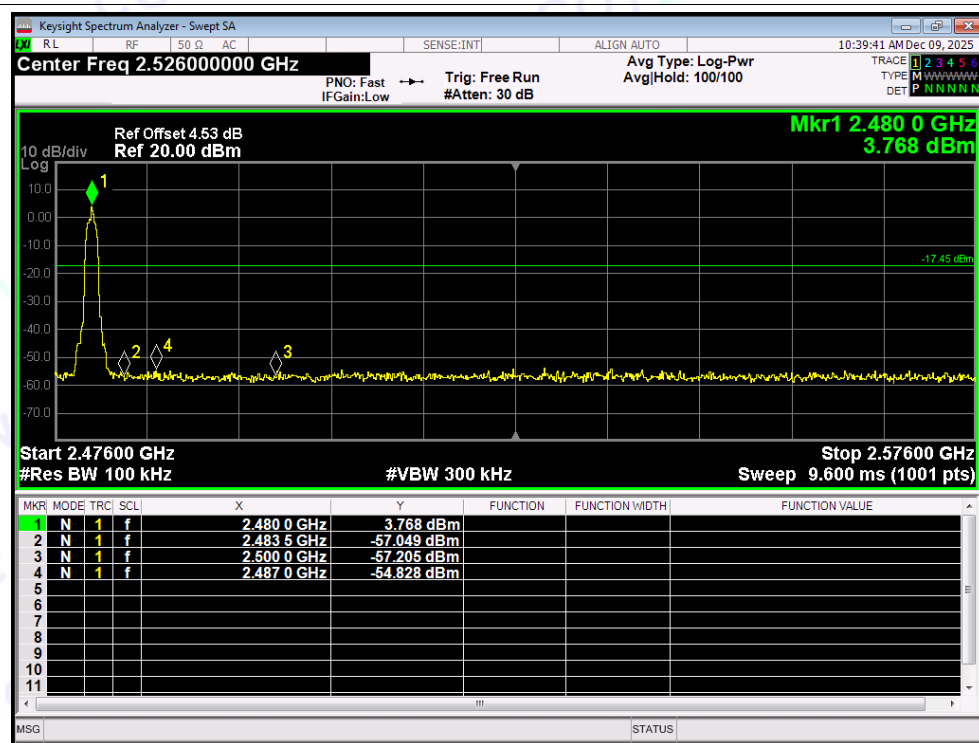
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



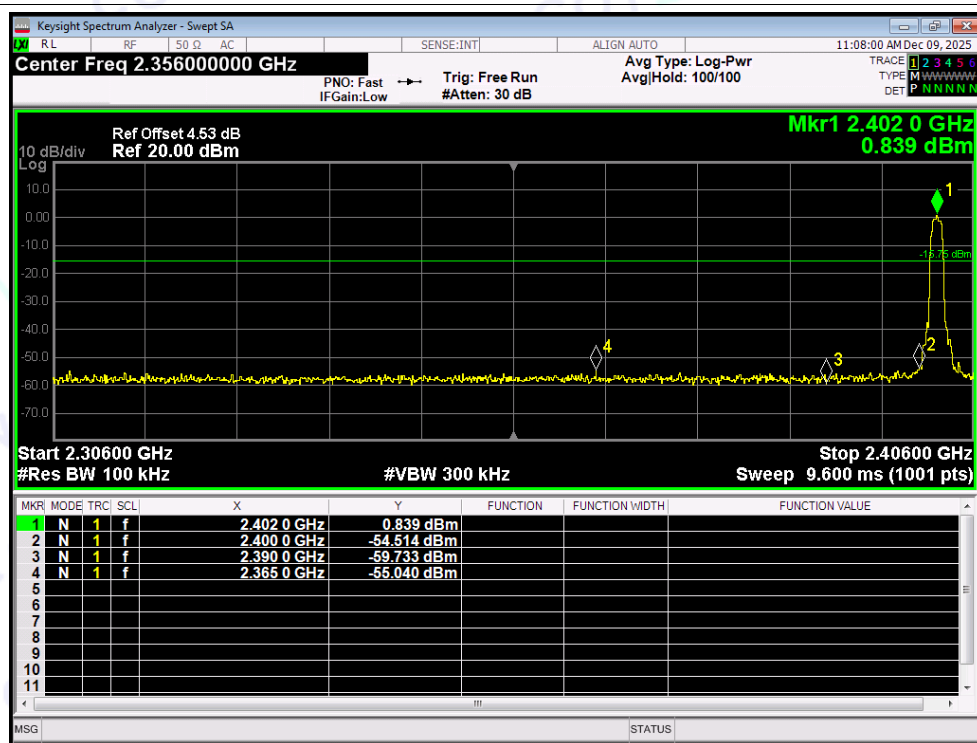
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



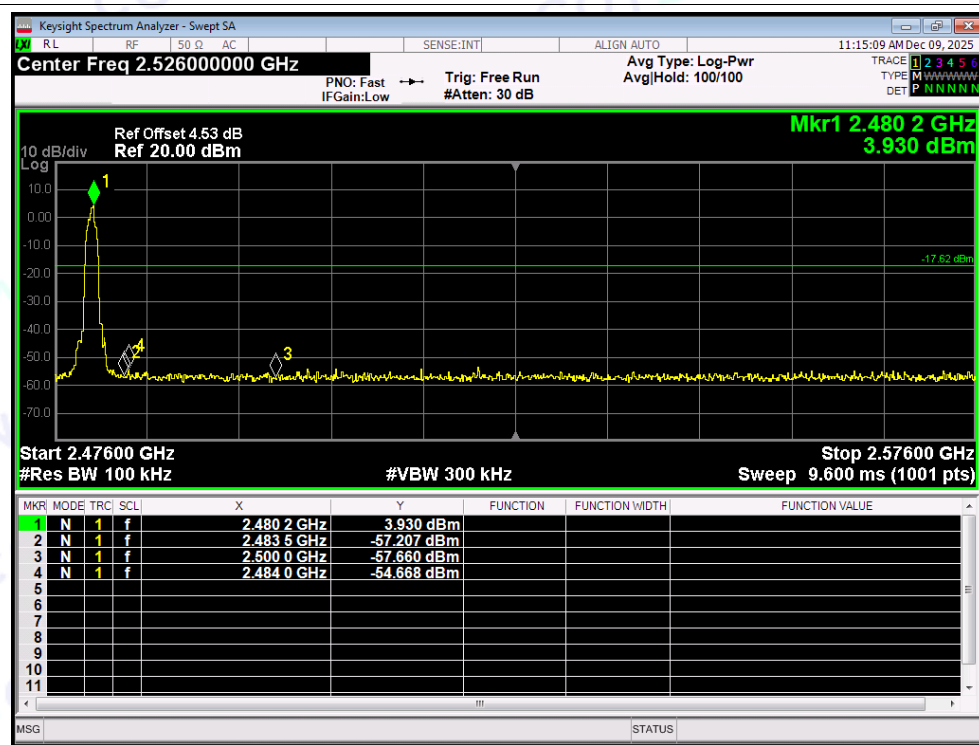
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

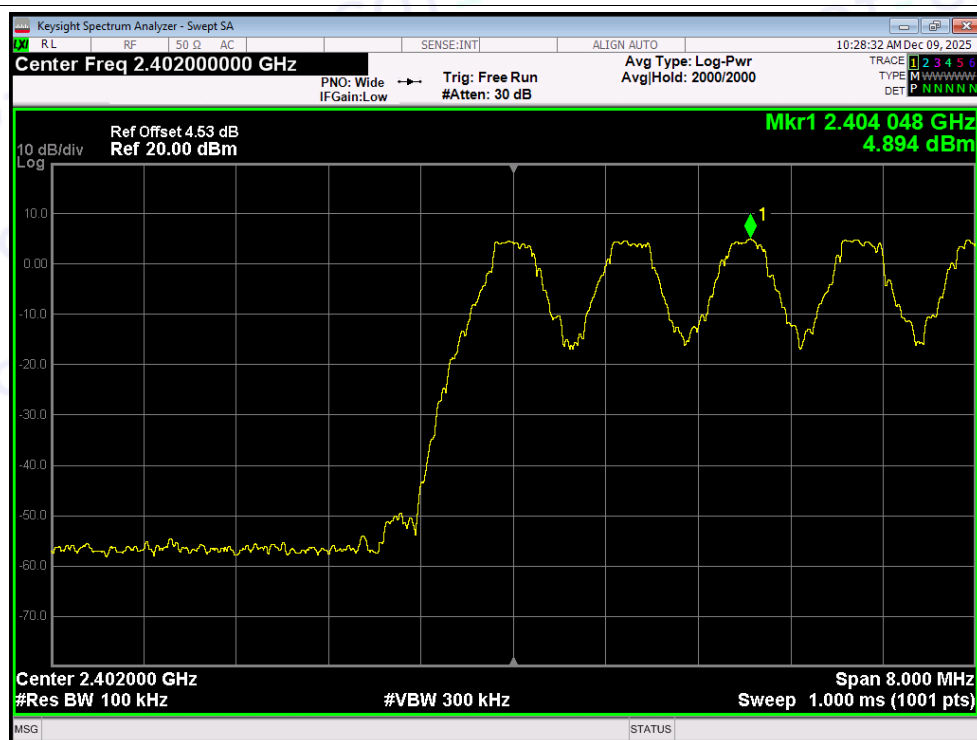


7. Band Edge(Hopping)

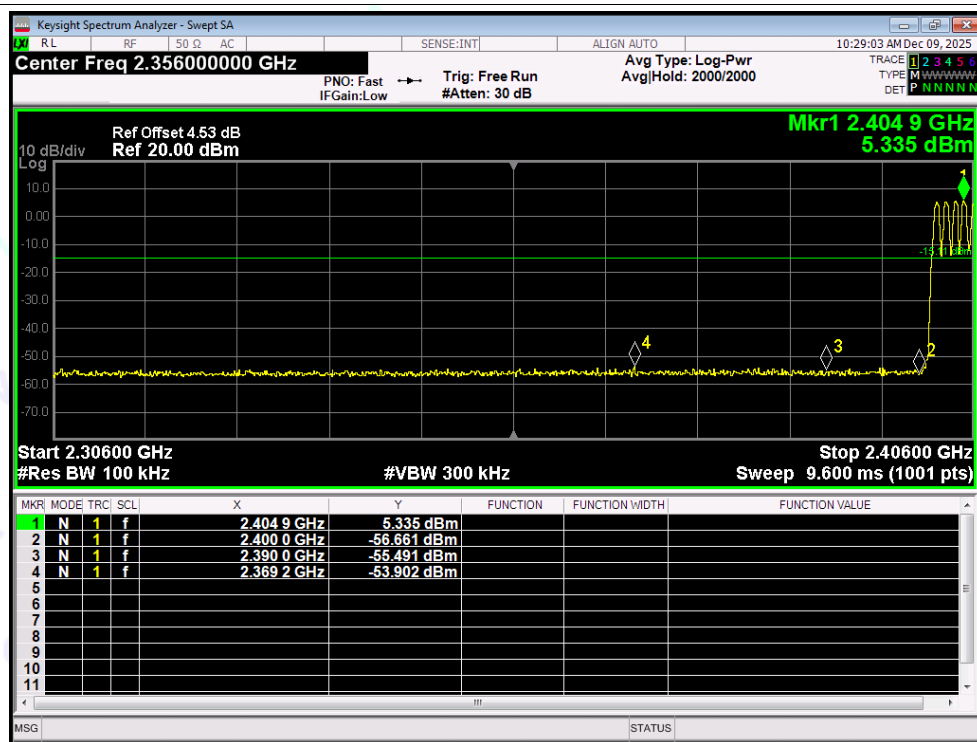
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-58.79	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.85	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-57.42	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.41	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.94	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-55.51	-20	Pass

Test Graphs

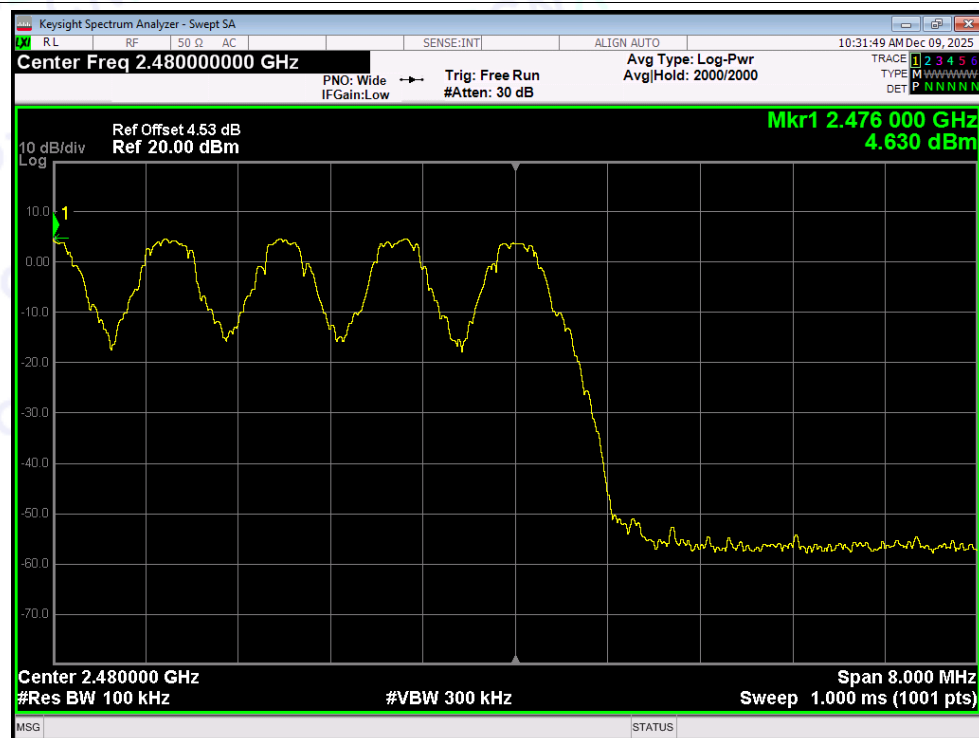
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



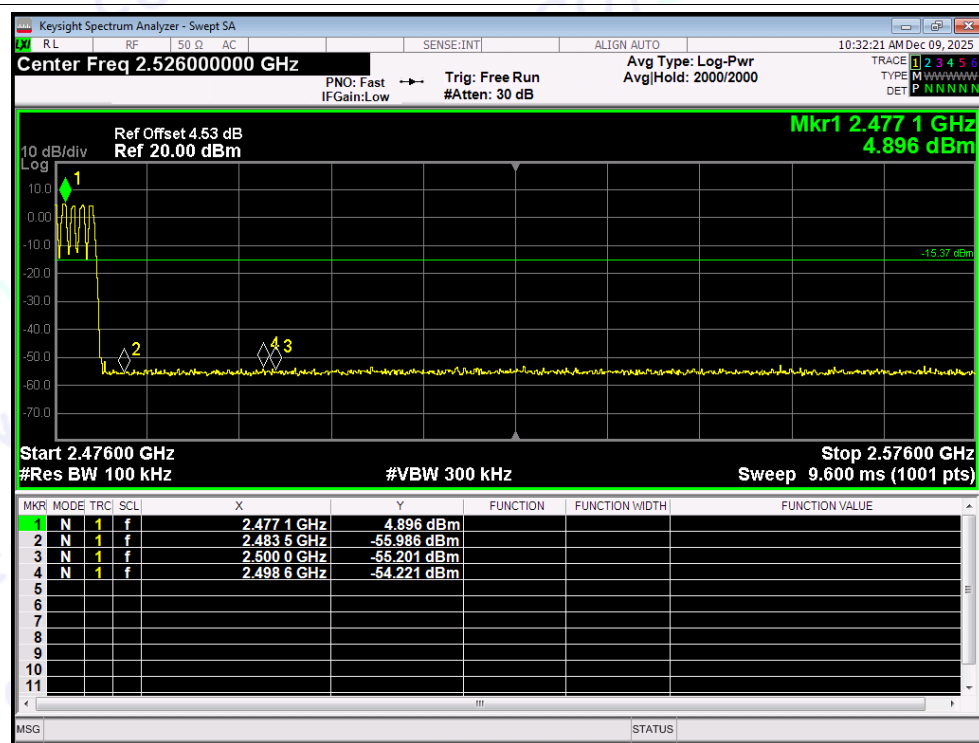
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



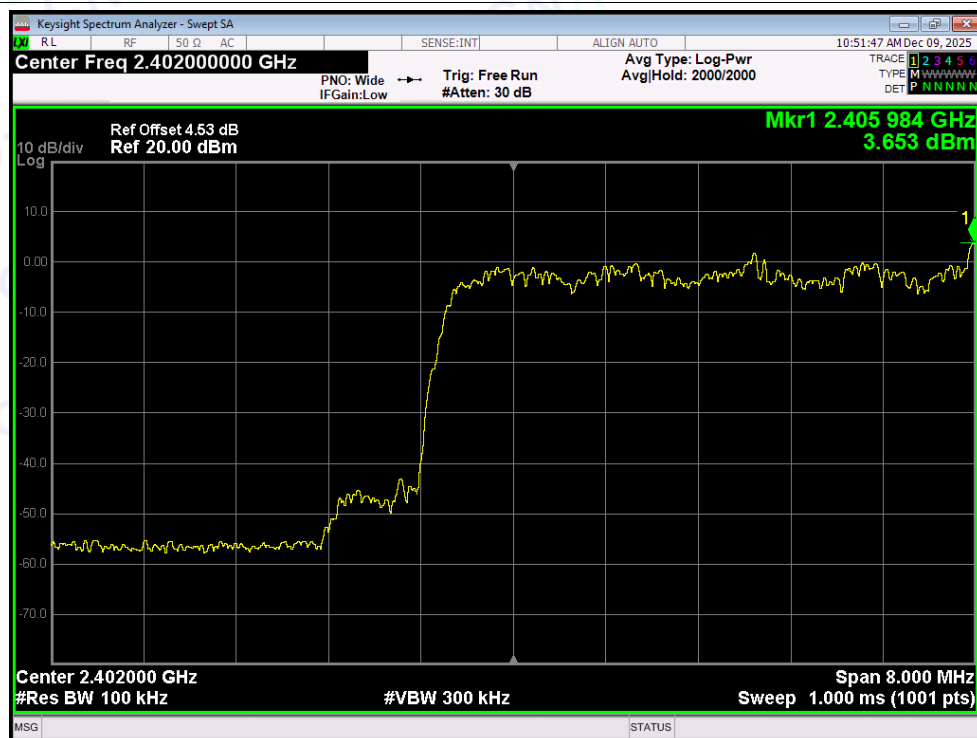
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



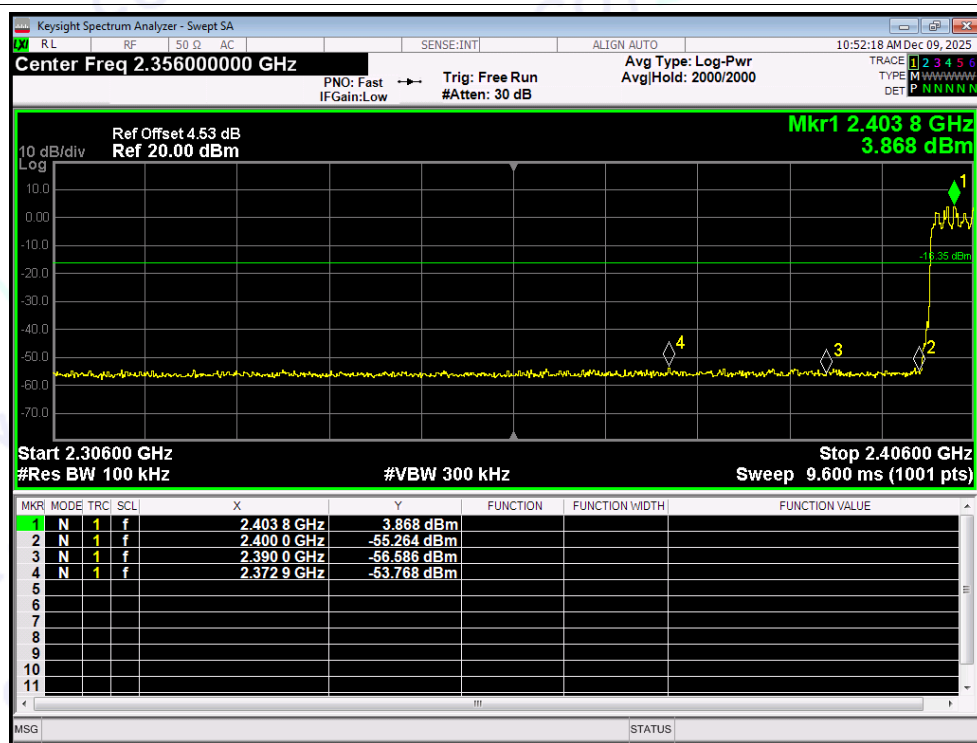
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



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



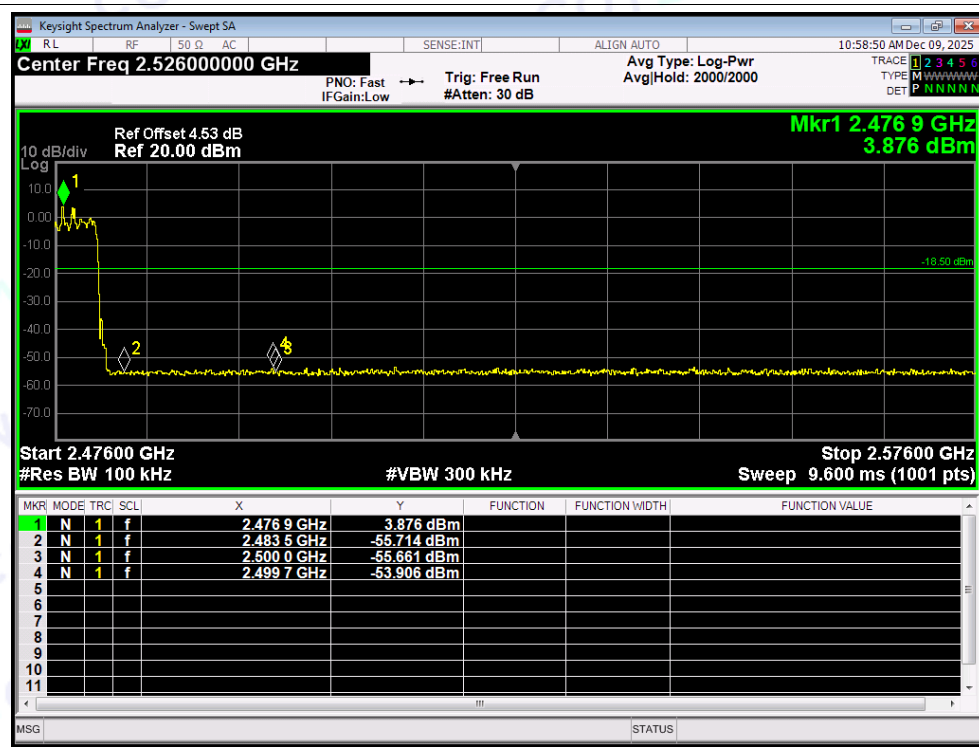
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



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



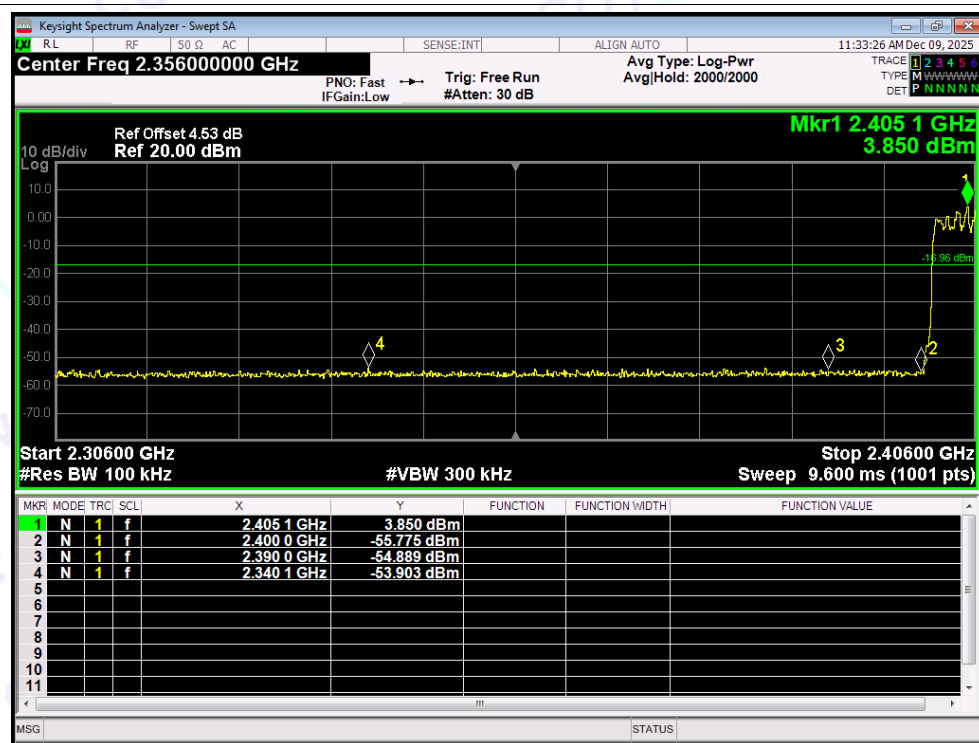
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



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



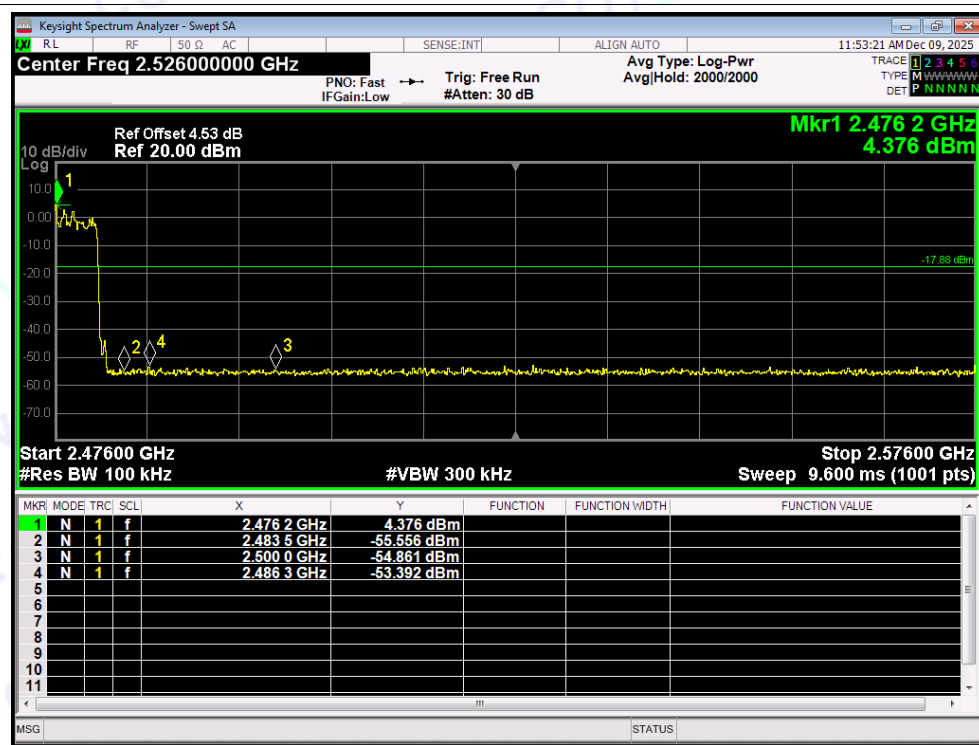
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



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

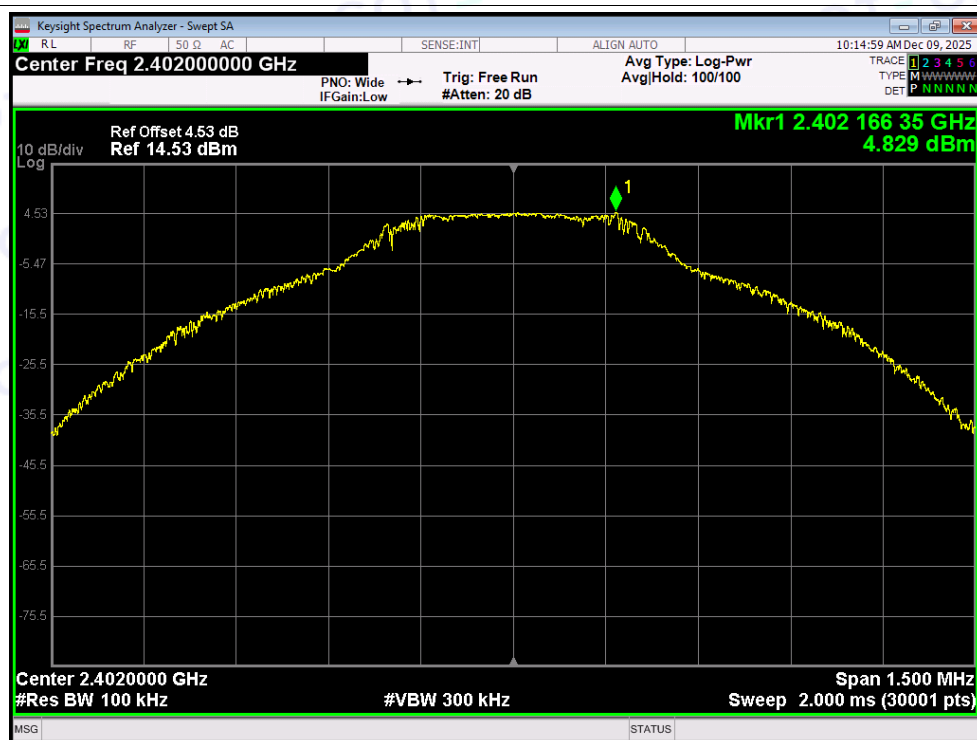


8. Conducted RF Spurious Emission

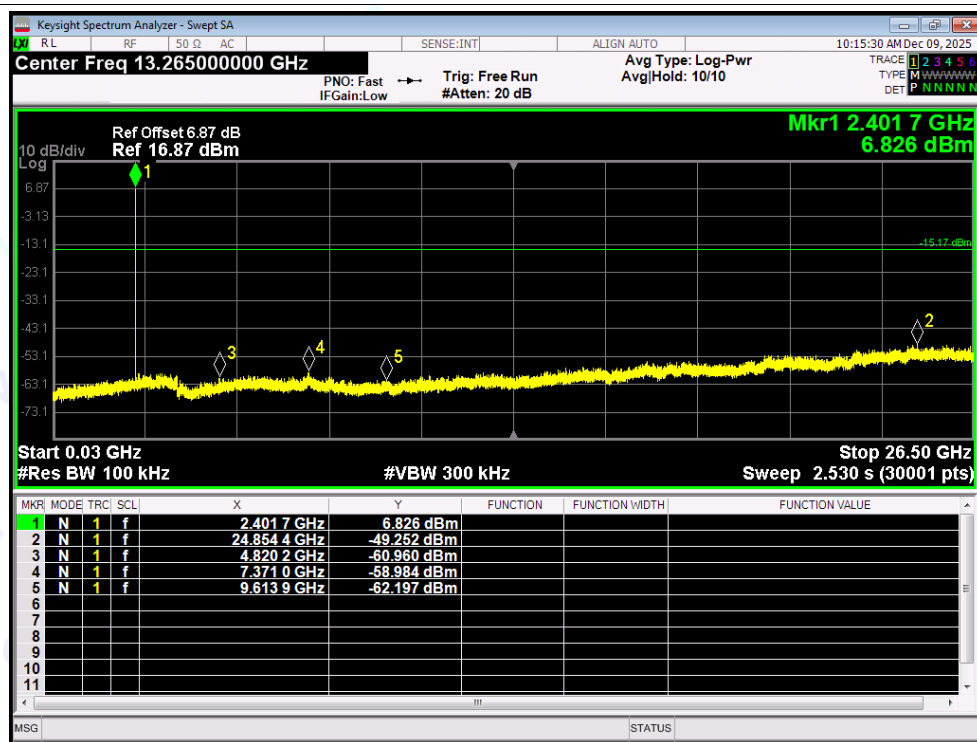
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.08	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.25	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.27	-20	Pass
NVNT	2-DH5	2402	Ant1	-53.7	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.93	-20	Pass
NVNT	2-DH5	2480	Ant1	-53.11	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.41	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.63	-20	Pass
NVNT	3-DH5	2480	Ant1	-52.96	-20	Pass

Test Graphs

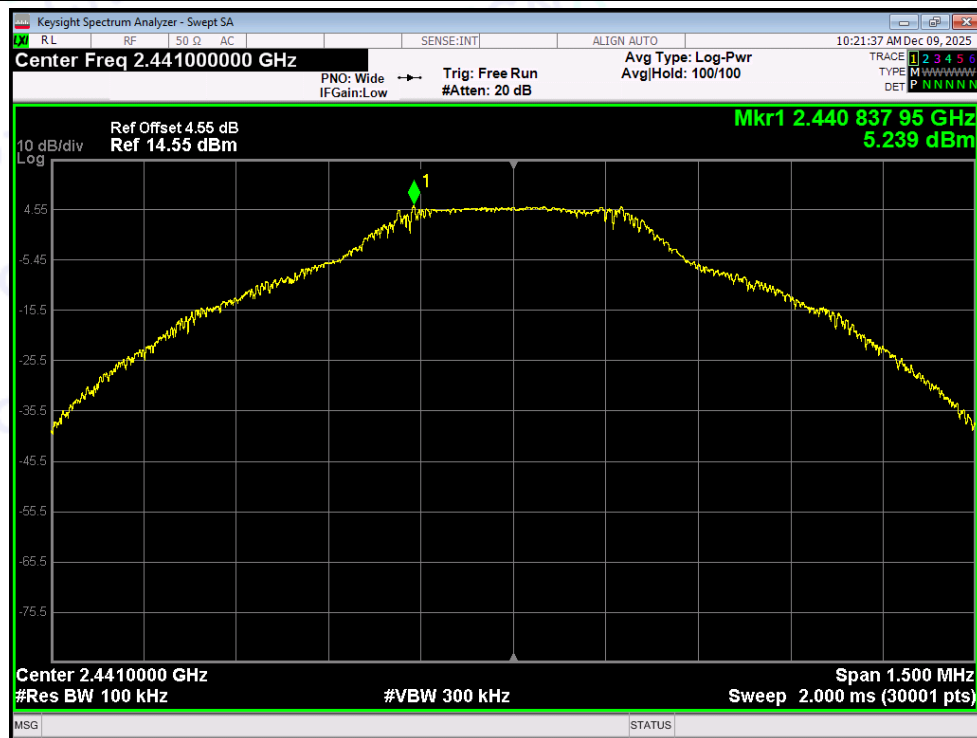
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



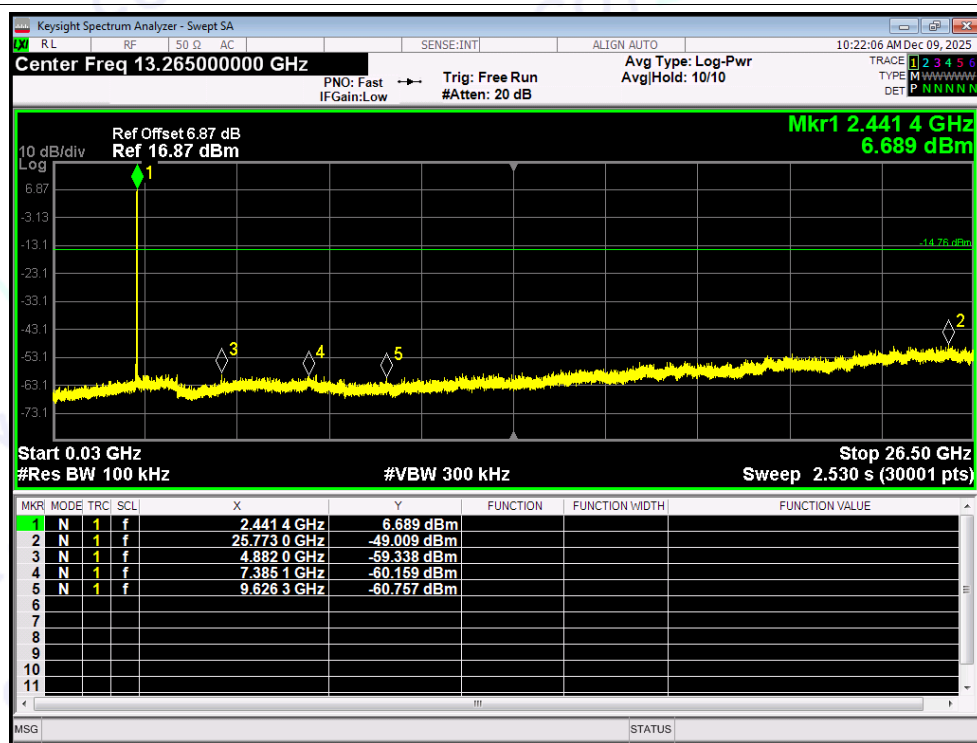
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



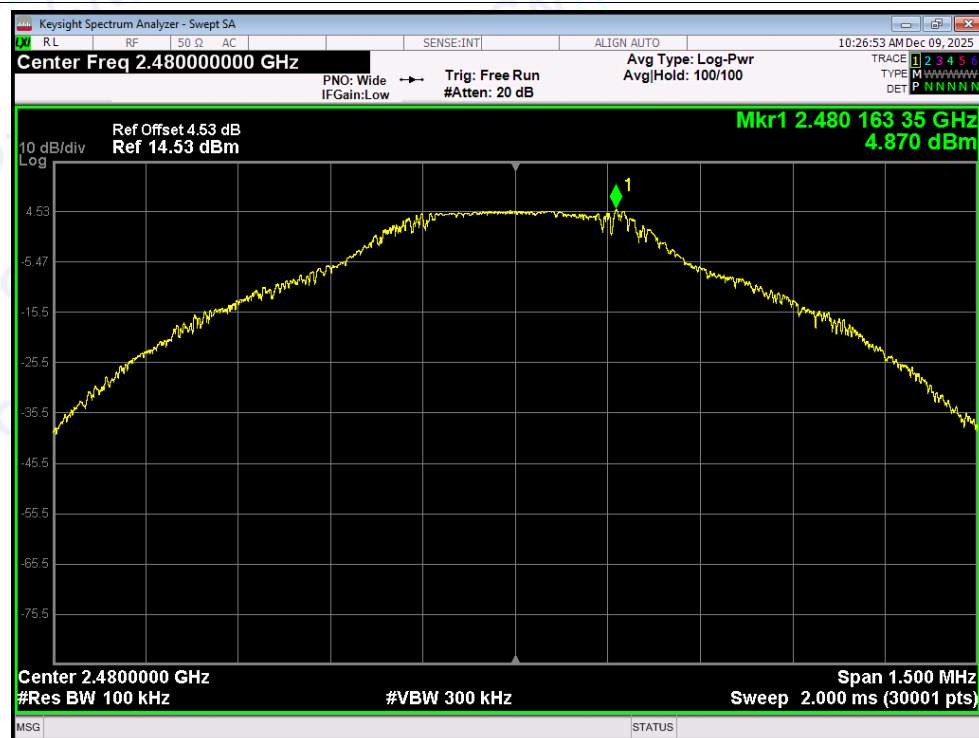
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



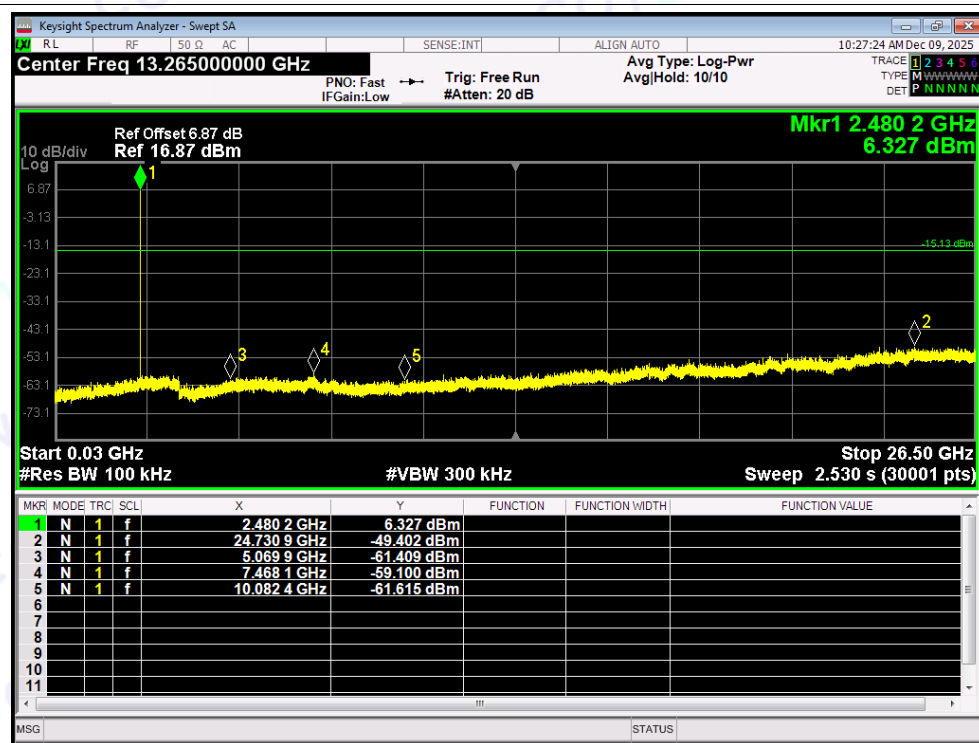
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



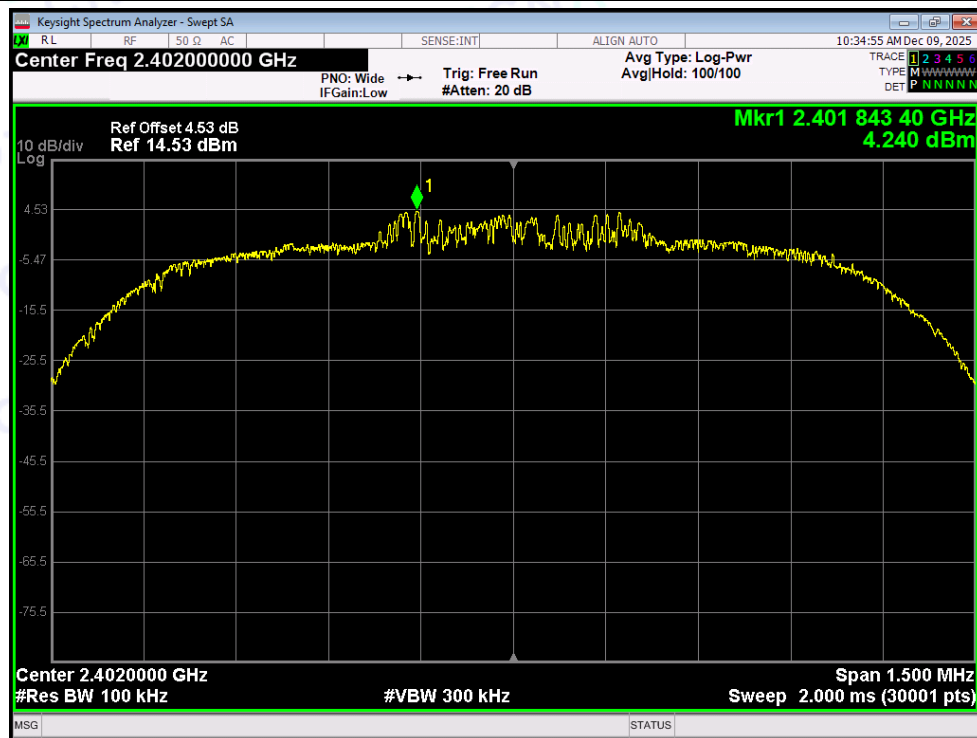
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



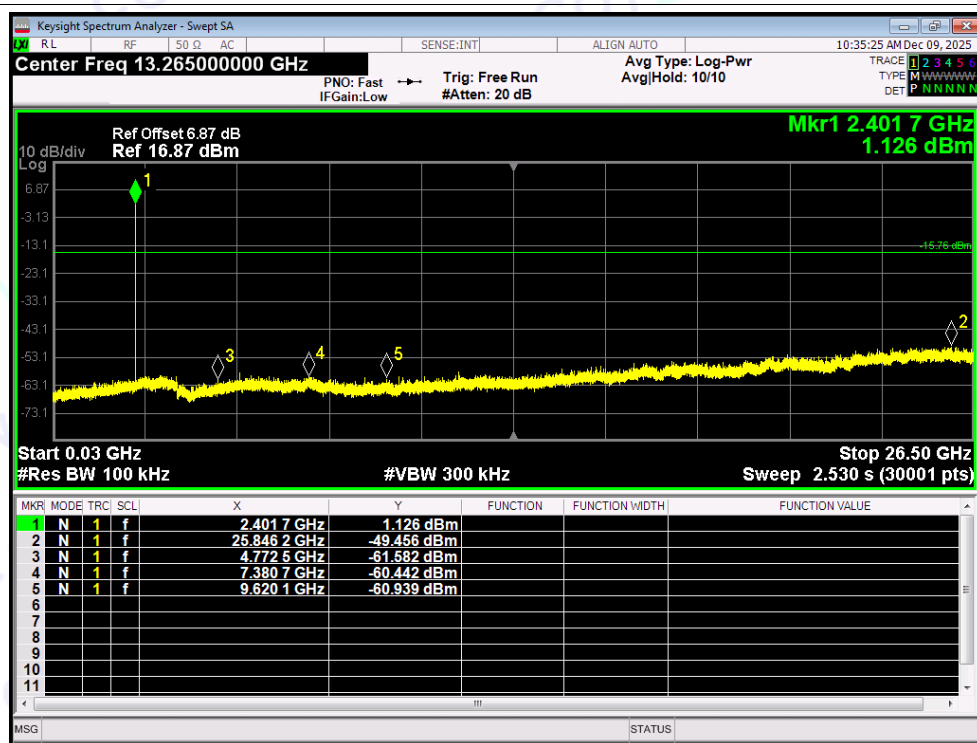
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



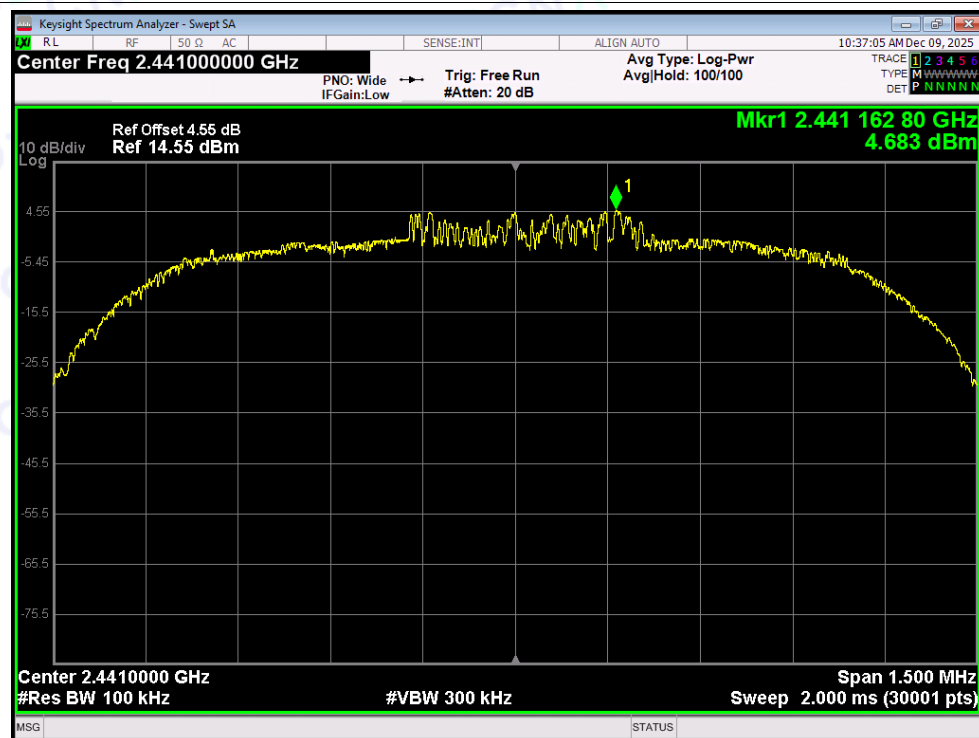
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



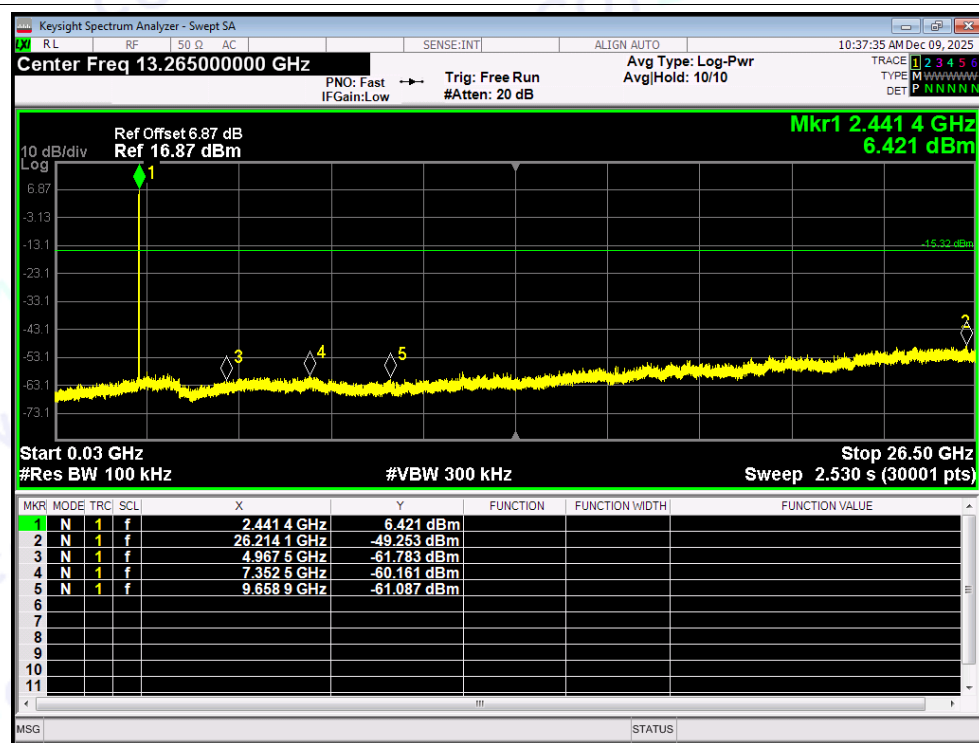
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



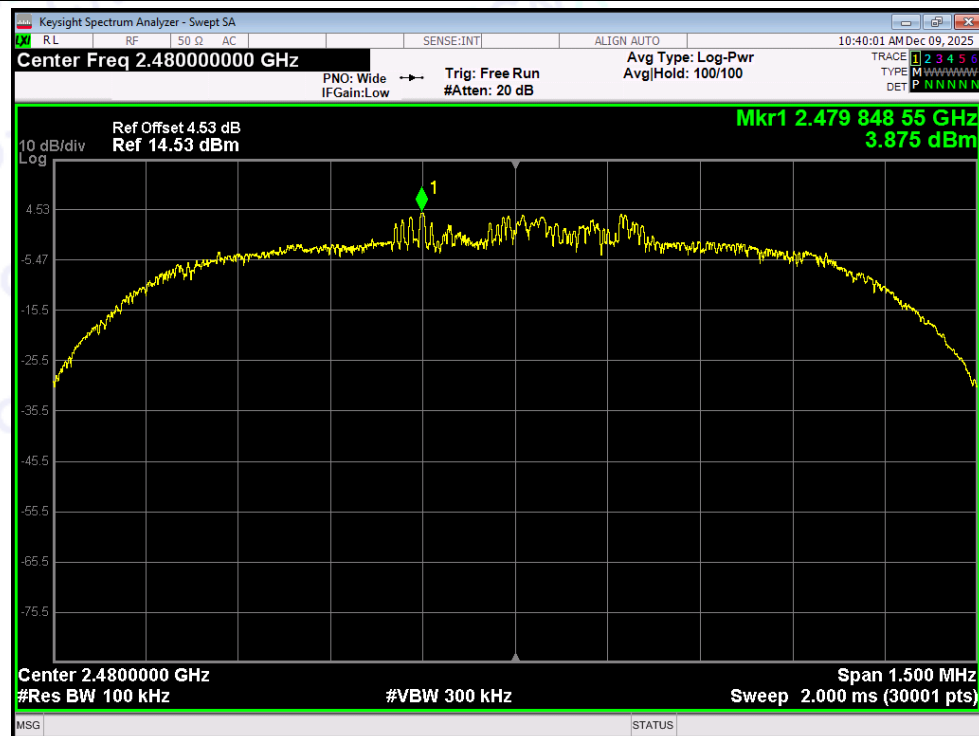
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



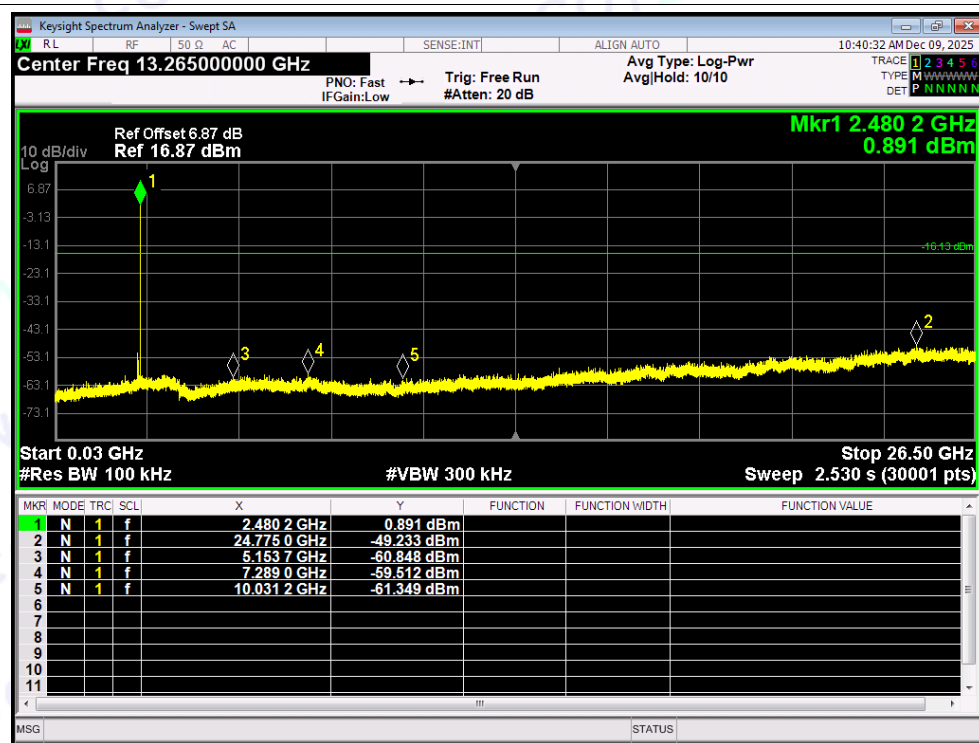
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



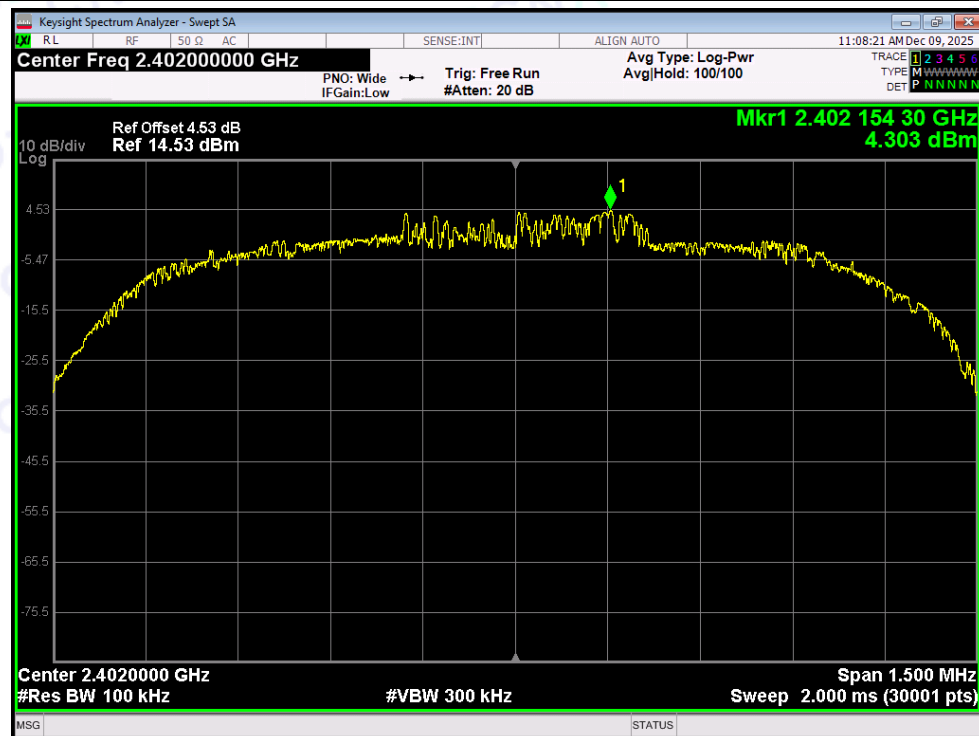
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



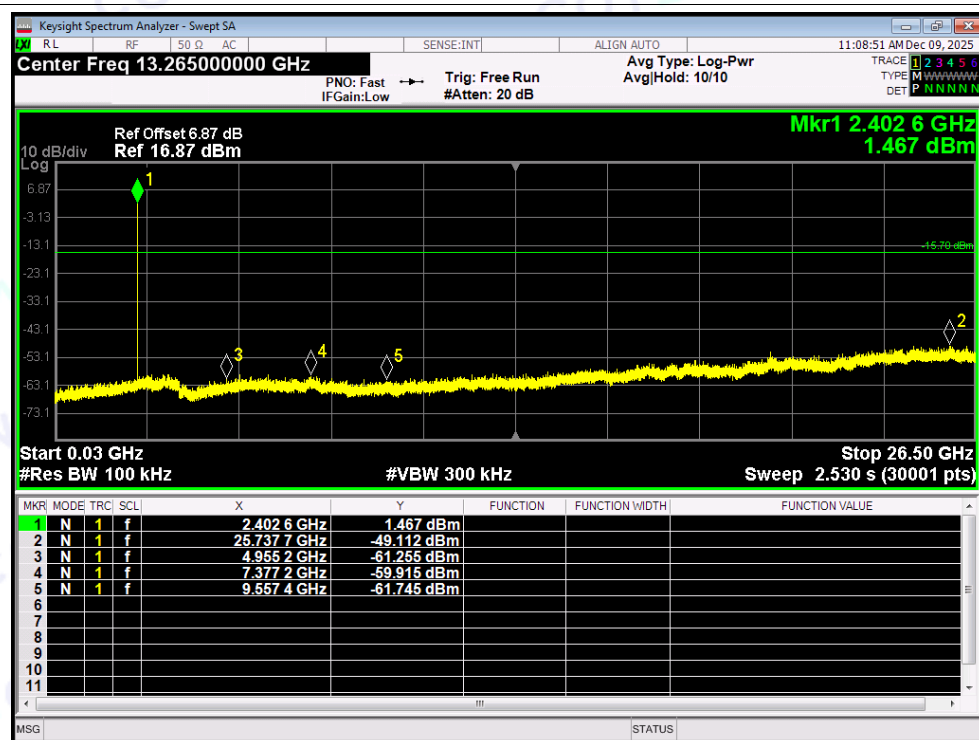
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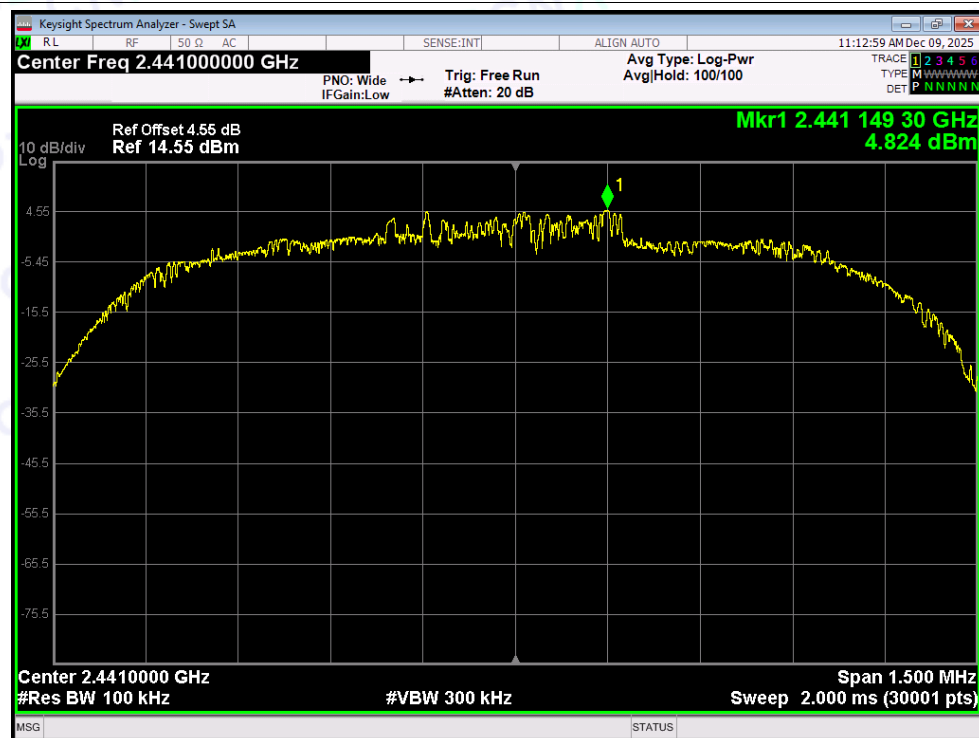
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



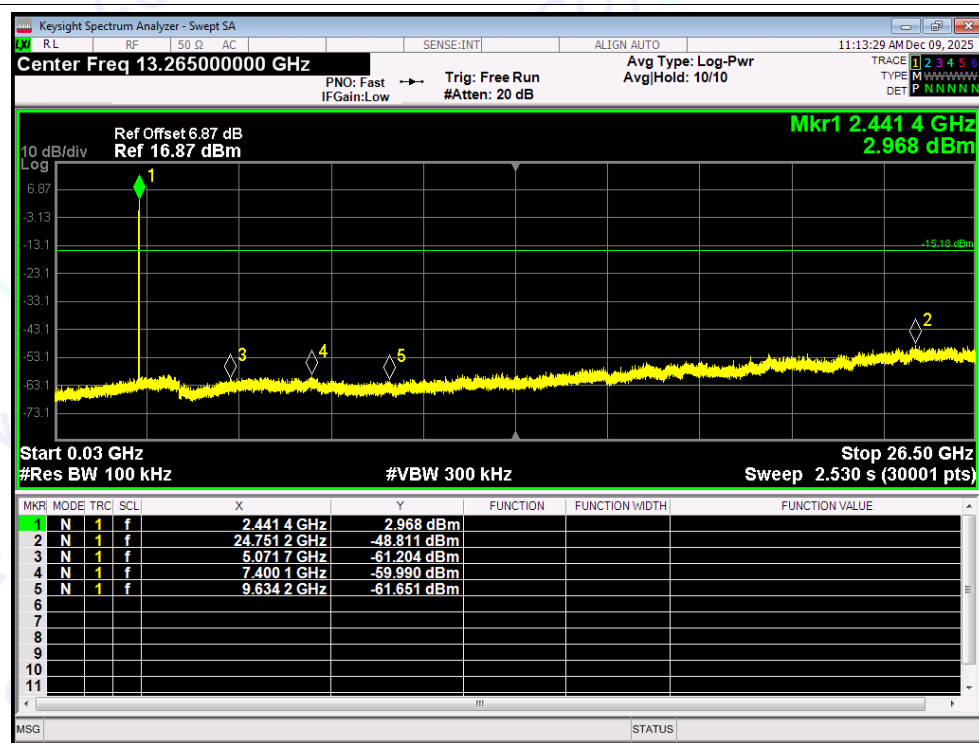
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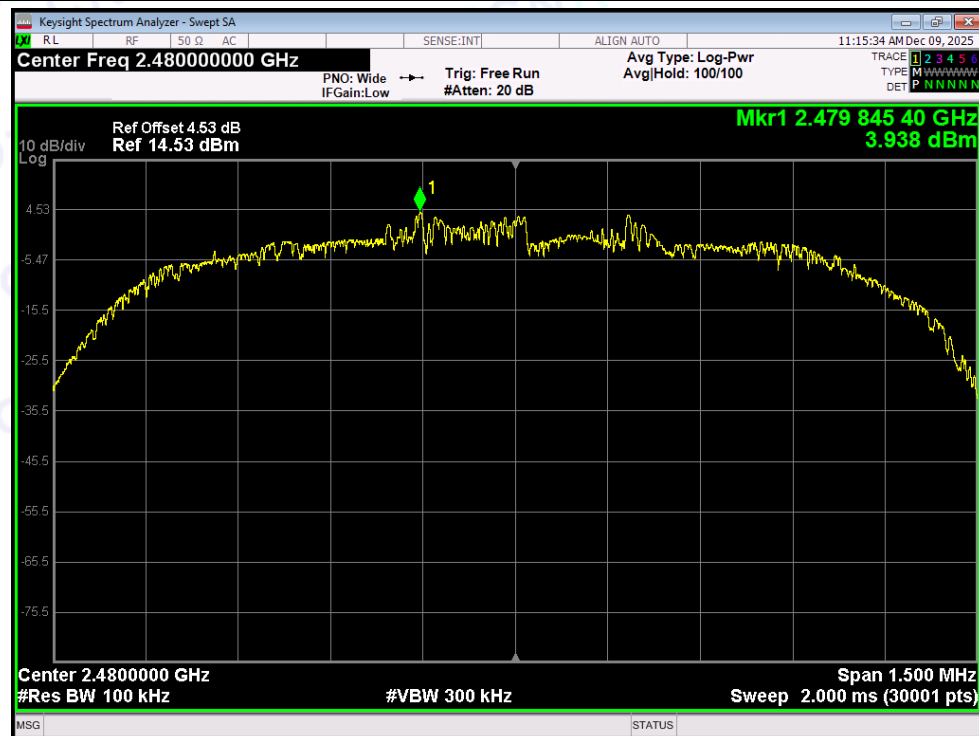
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



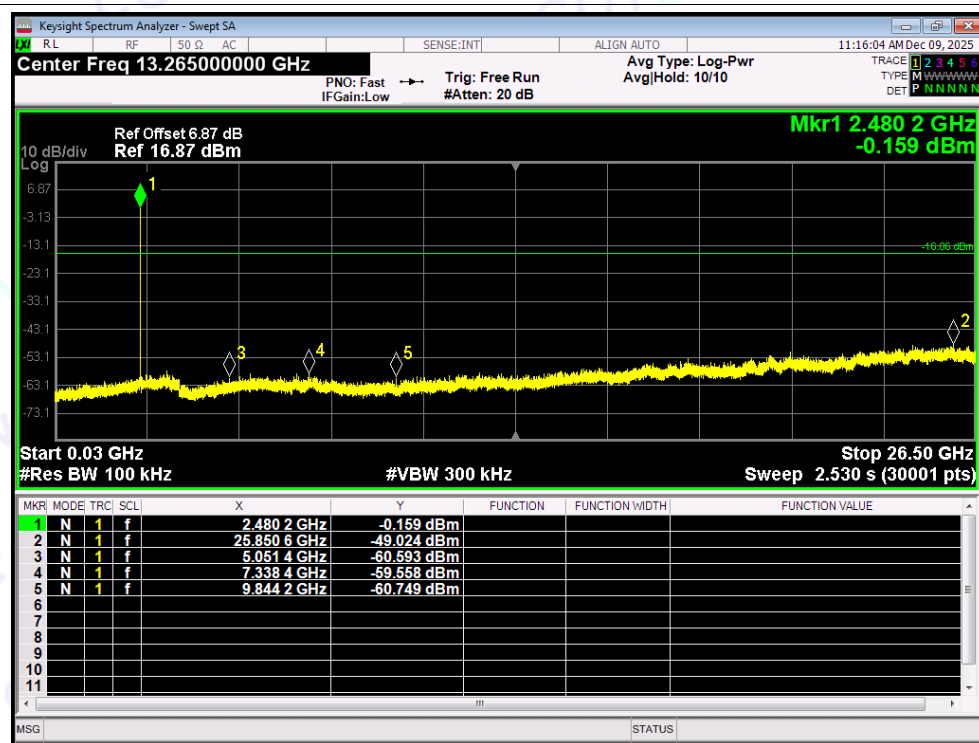
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

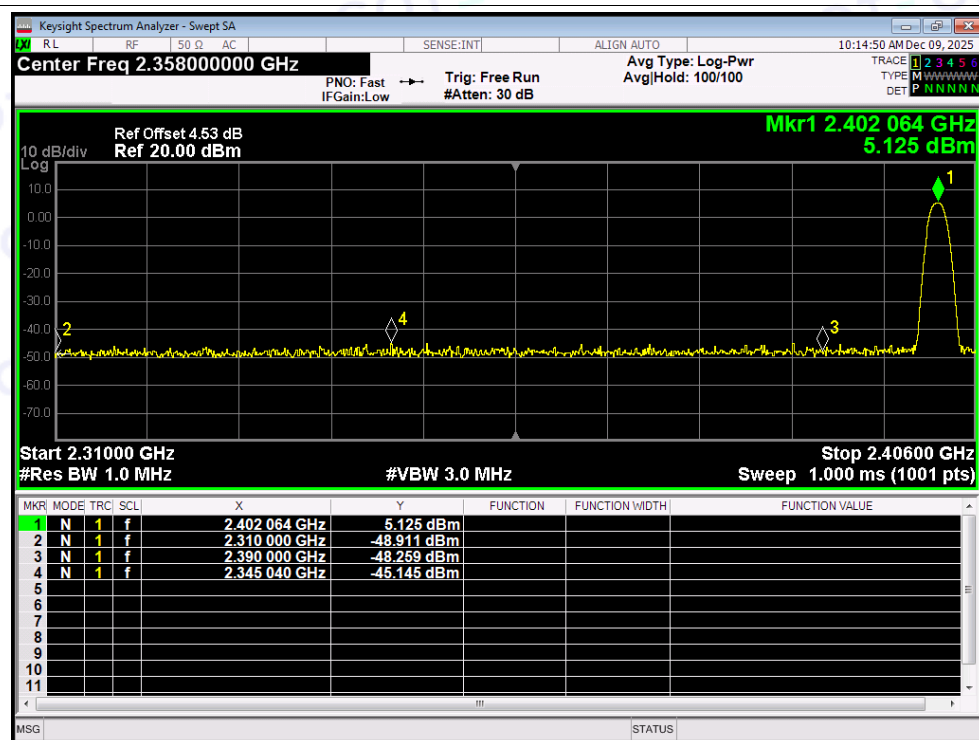


9. Restrict Band

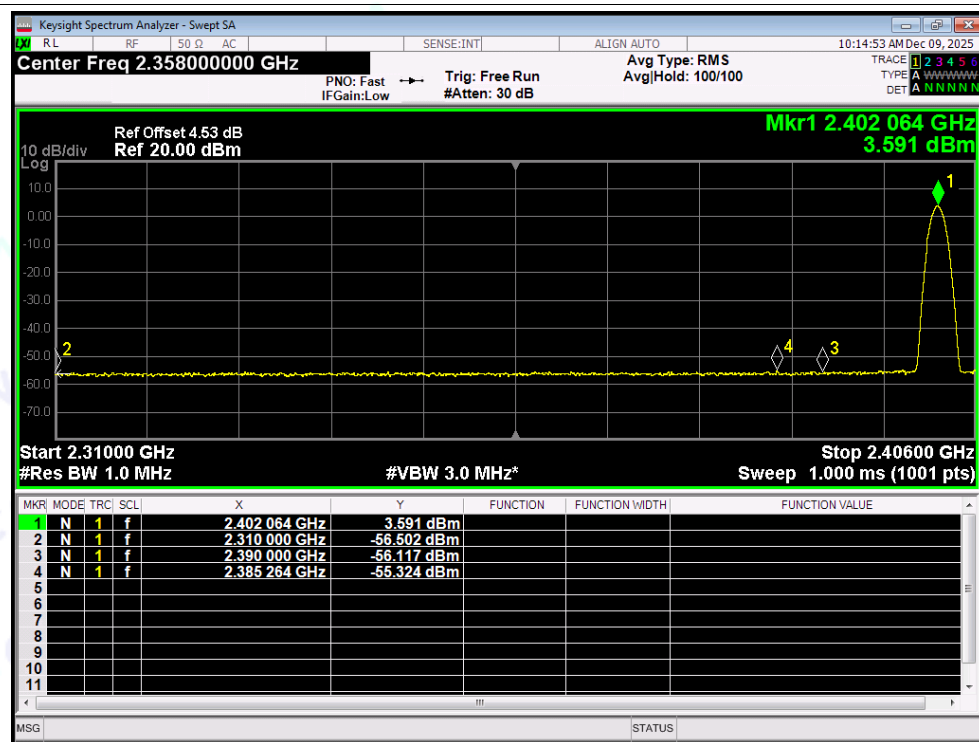
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-48.91	2	-	48.35	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-56.5	2	1.14	41.9	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2345.04	-45.15	2	-	52.11	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2385.264	-55.32	2	1.14	43.08	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.26	2	-	49	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-56.12	2	1.14	42.28	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-47.19	2	-	50.07	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-55.37	2	1.14	43.03	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2491.264	-44.14	2	-	53.12	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.928	-54.51	2	1.14	43.89	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-48.78	2	-	48.48	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-55.81	2	1.14	42.59	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-47.94	2	-	49.32	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-56.95	2	1.14	41.45	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2353.776	-45.74	2	-	51.52	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2362.224	-55.61	2	1.14	42.79	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-48.99	2	-	48.27	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-55.91	2	1.14	42.49	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-46.32	2	-	50.94	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.3	2	1.14	43.1	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2492.608	-44.73	2	-	52.53	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.664	-54.86	2	1.14	43.54	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-46.86	2	-	50.4	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-55.63	2	1.14	42.77	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-48.55	2	-	48.71	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-56.28	2	1.13	42.11	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2360.304	-44.86	2	-	52.4	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2356.272	-55.37	2	1.13	43.02	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-46.05	2	-	51.21	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-56.23	2	1.13	42.16	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-46.69	2	-	50.57	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-55.61	2	1.13	42.78	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2485.024	-43.69	2	-	53.57	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.88	-54.79	2	1.13	43.6	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-47.06	2	-	50.2	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-55.8	2	1.13	42.59	Average	54	Pass

Test Graphs

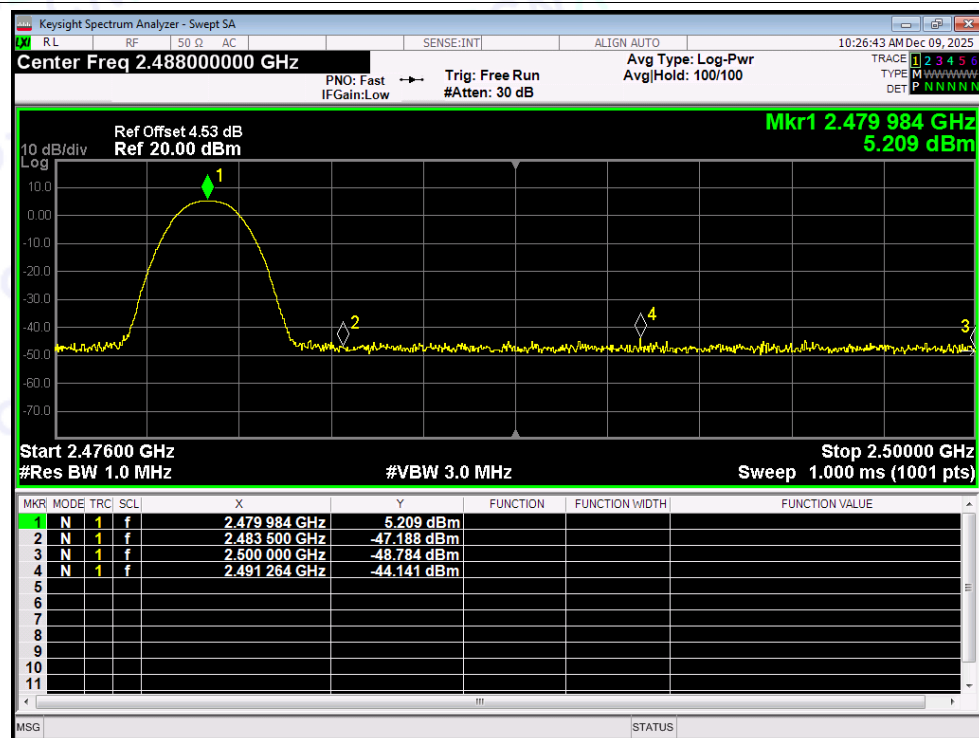
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



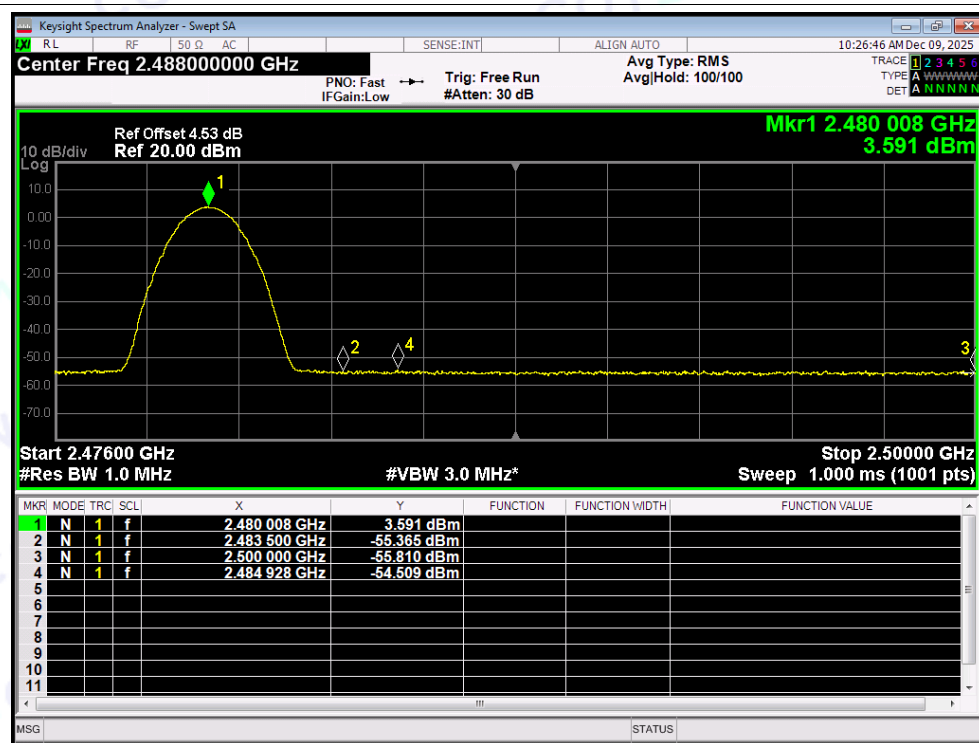
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



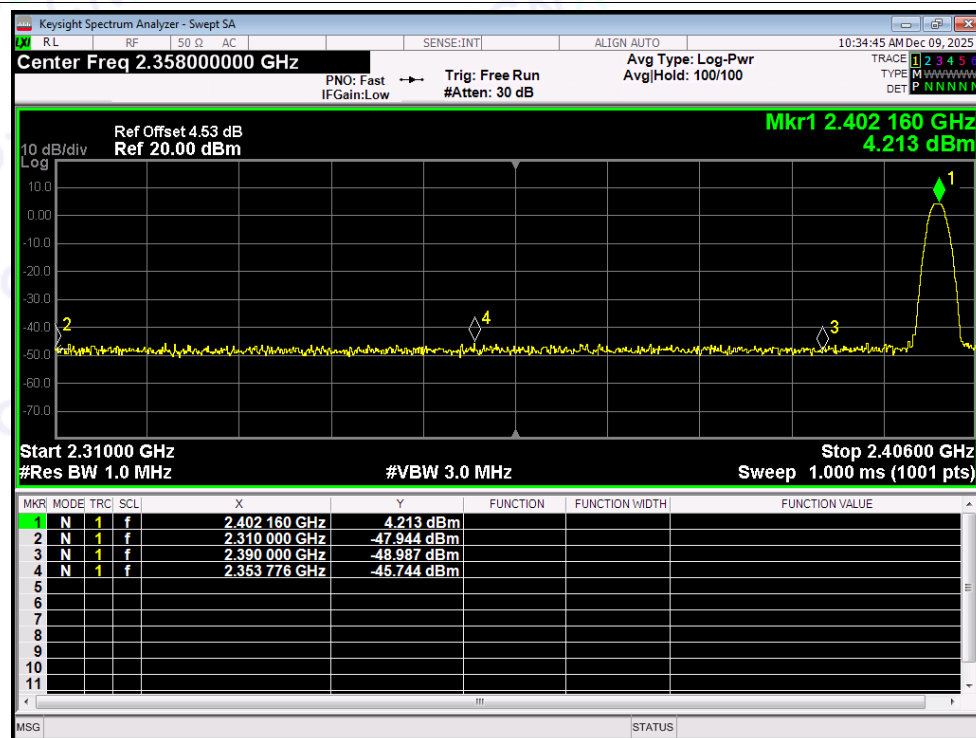
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



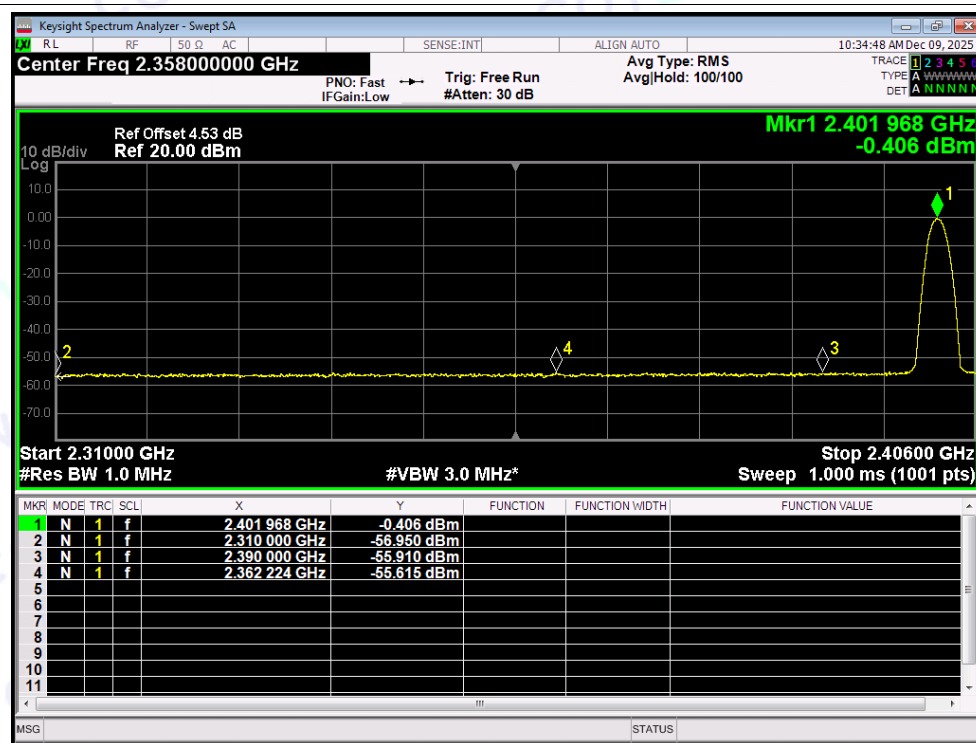
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



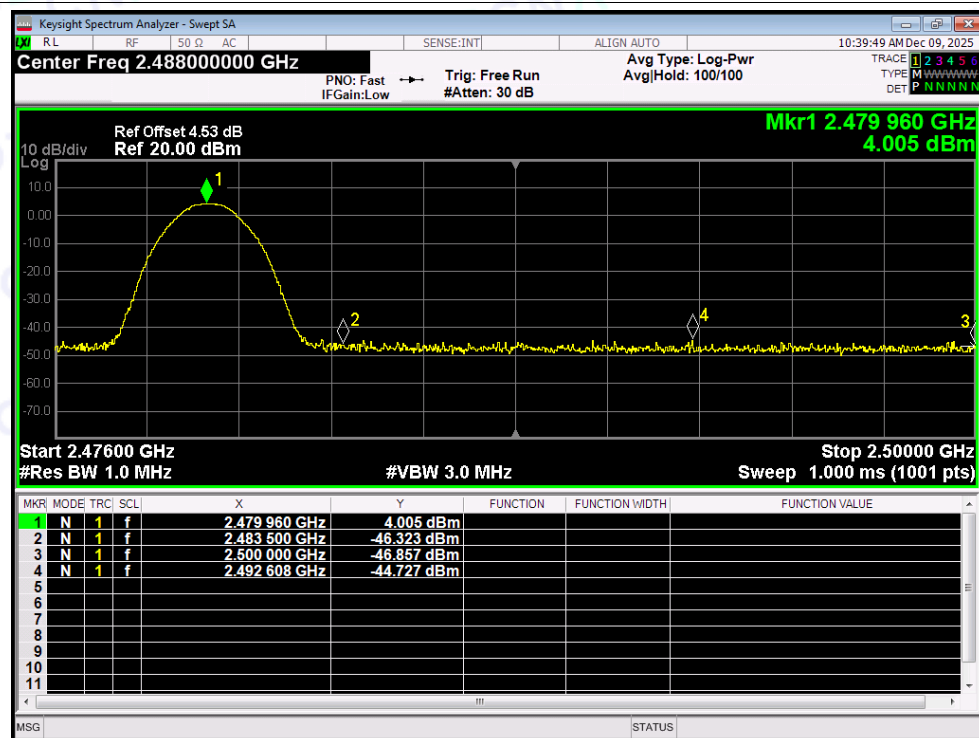
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



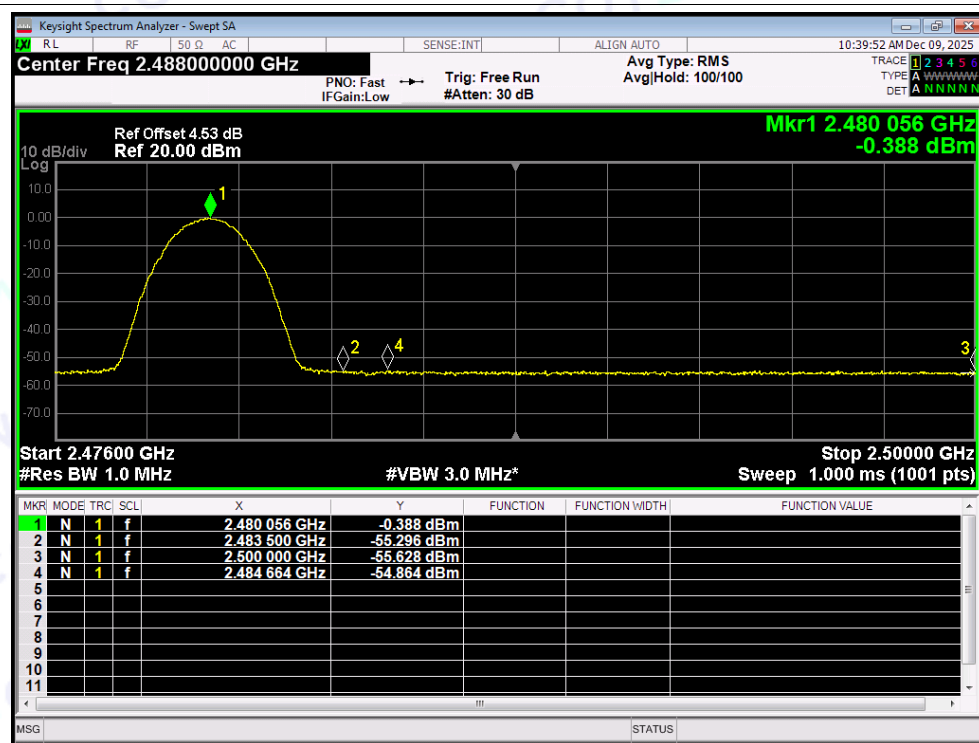
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



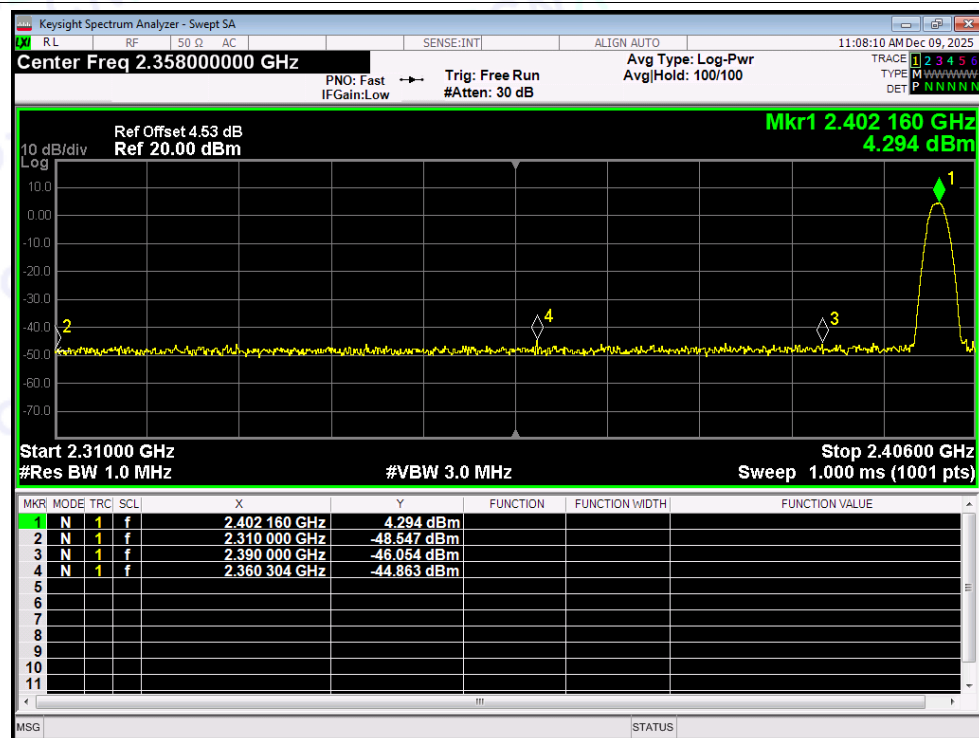
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



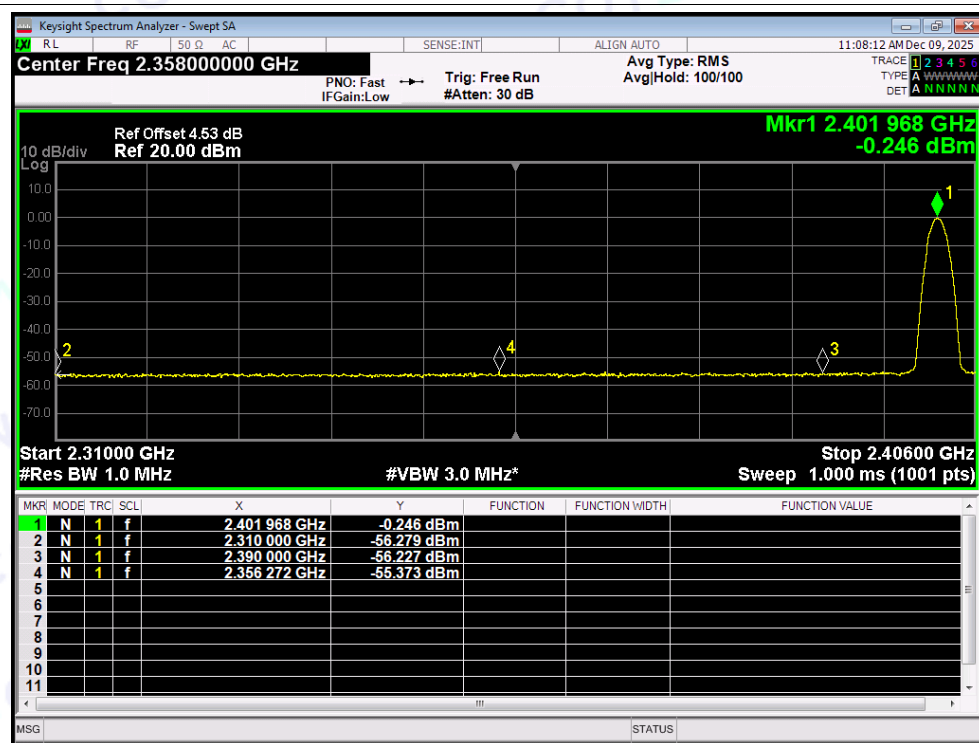
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



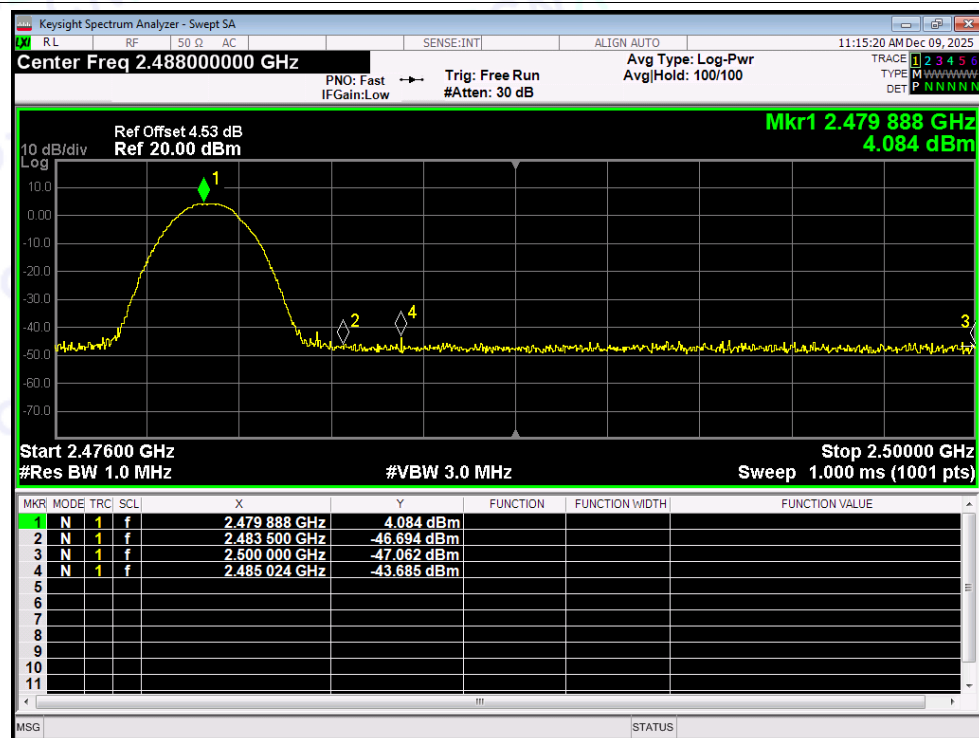
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



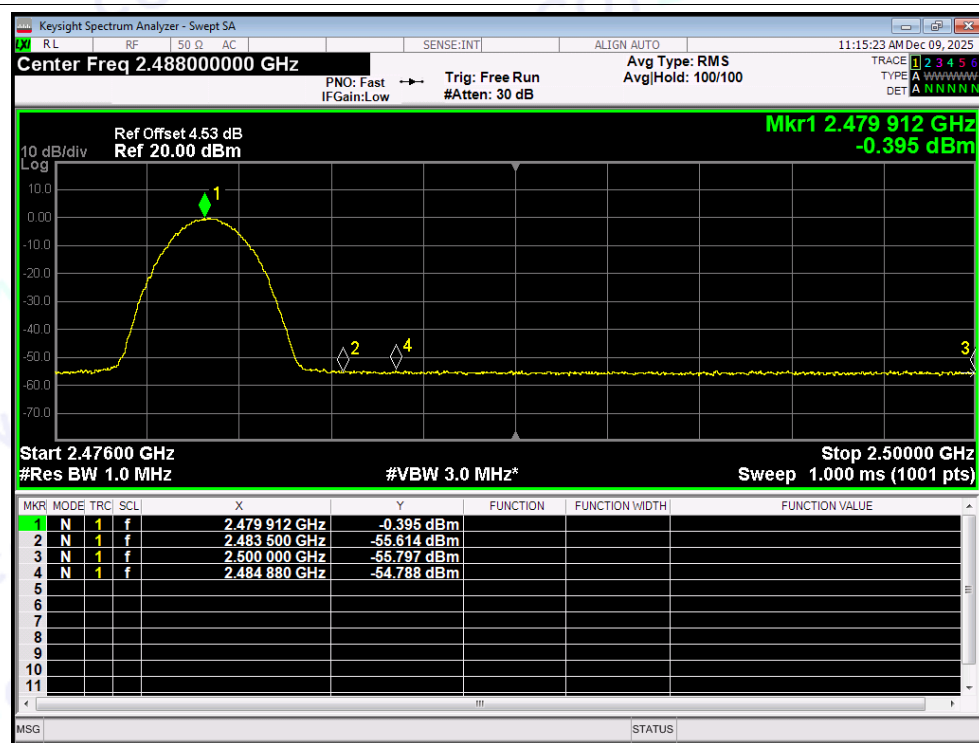
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



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



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

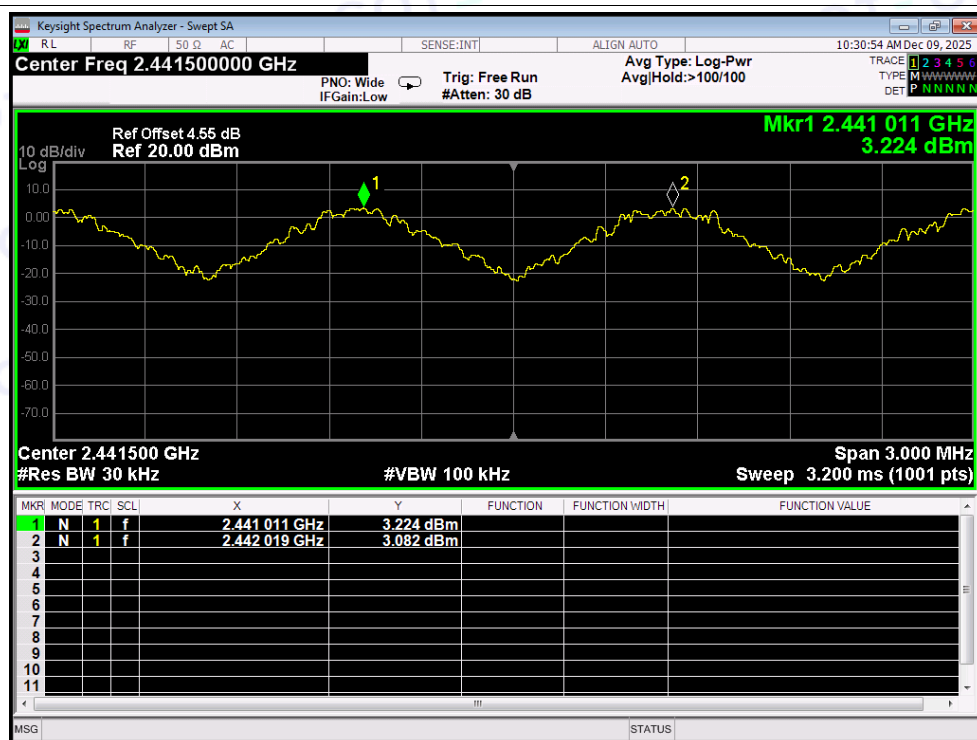


10. Carrier Frequencies Separation

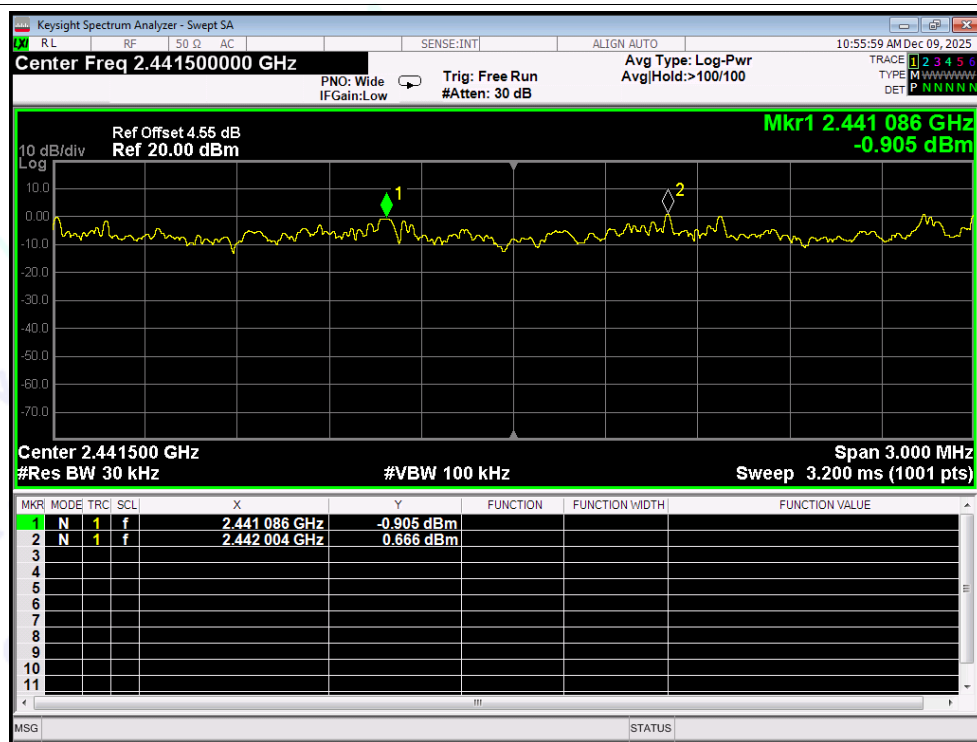
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2441.011	2442.019	1.008	0.573	Pass
NVNT	2-DH5	Ant1	2441.086	2442.004	0.918	0.847	Pass
NVNT	3-DH5	Ant1	2441.023	2442.016	0.993	0.86	Pass

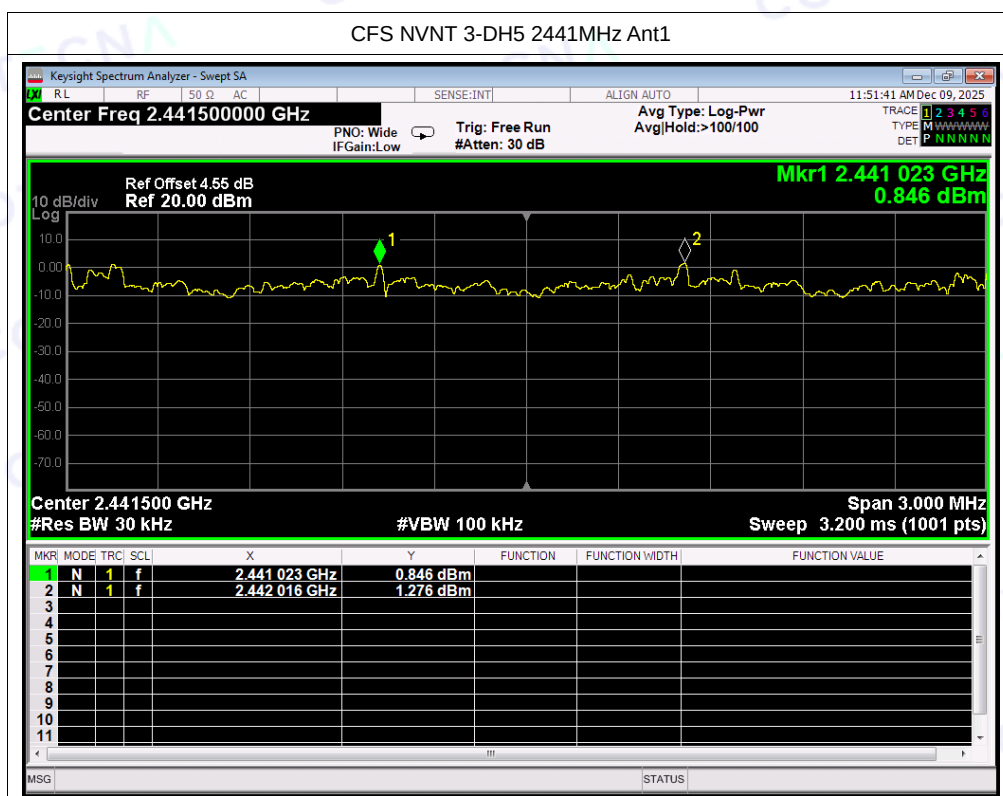
Test Graphs

CFS NVNT 1-DH5 2441MHz Ant1



CFS NVNT 2-DH5 2441MHz Ant1



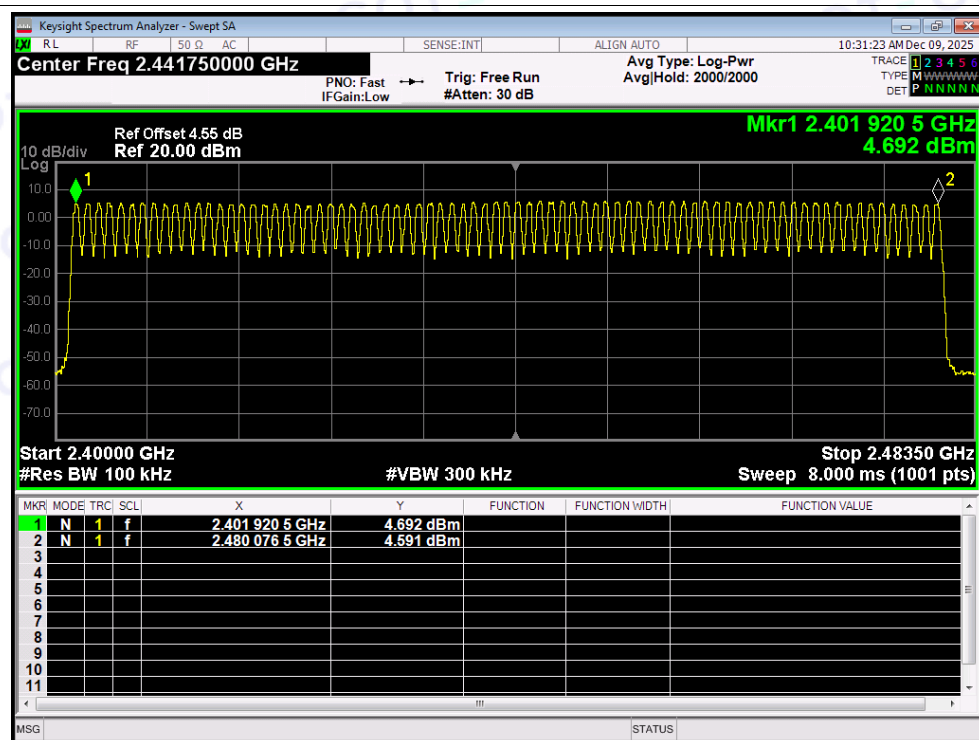


11. Number of Hopping Channel

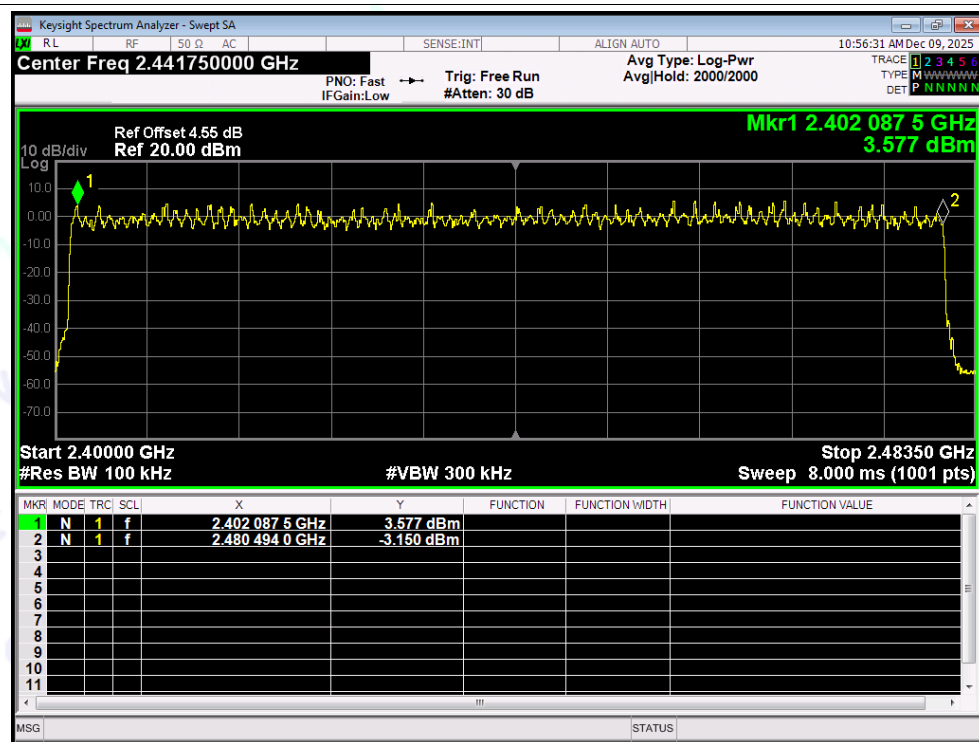
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

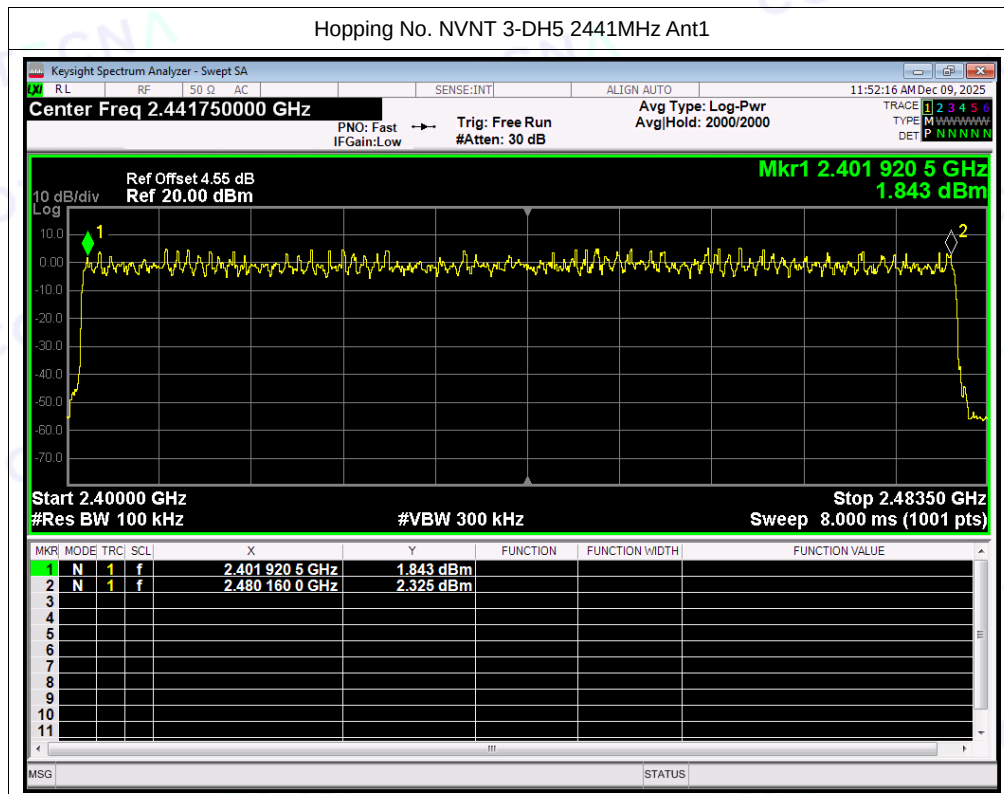
Test Graphs

Hopping No. NVNT 1-DH5 2441MHz Ant1



Hopping No. NVNT 2-DH5 2441MHz Ant1





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