

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Notebook

Test Model: HT14CBI582SG

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Mening Su
Supervised by:	Li Huan





A.1 -20dB Bandwidth

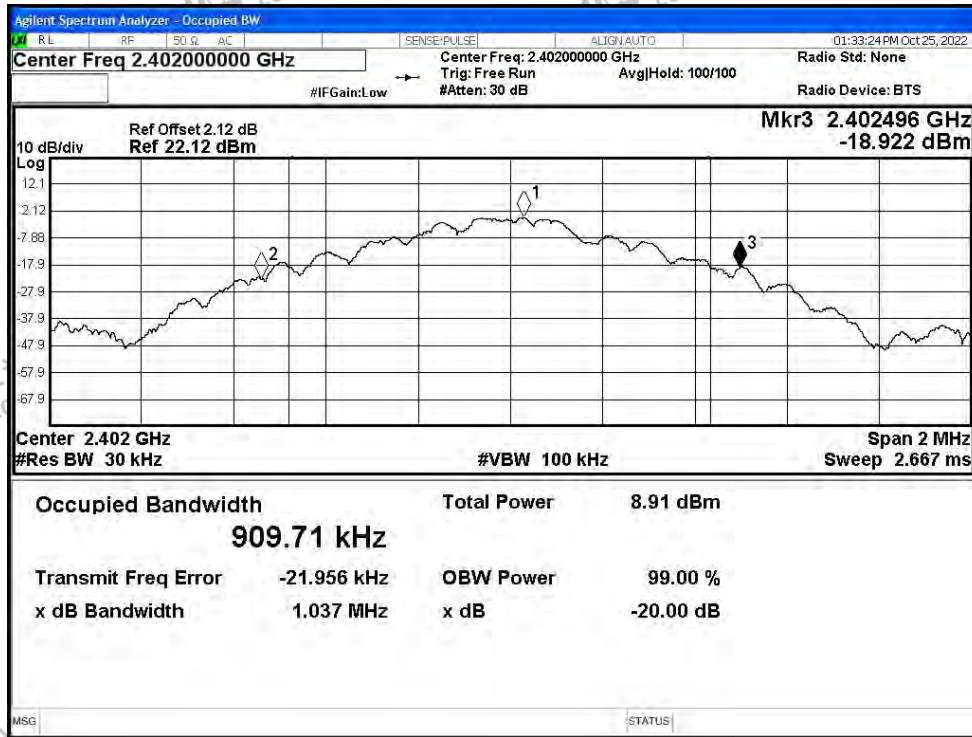
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.037	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.039	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.037	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.352	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.358	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.353	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.297	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.298	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.301	N/A	Pass



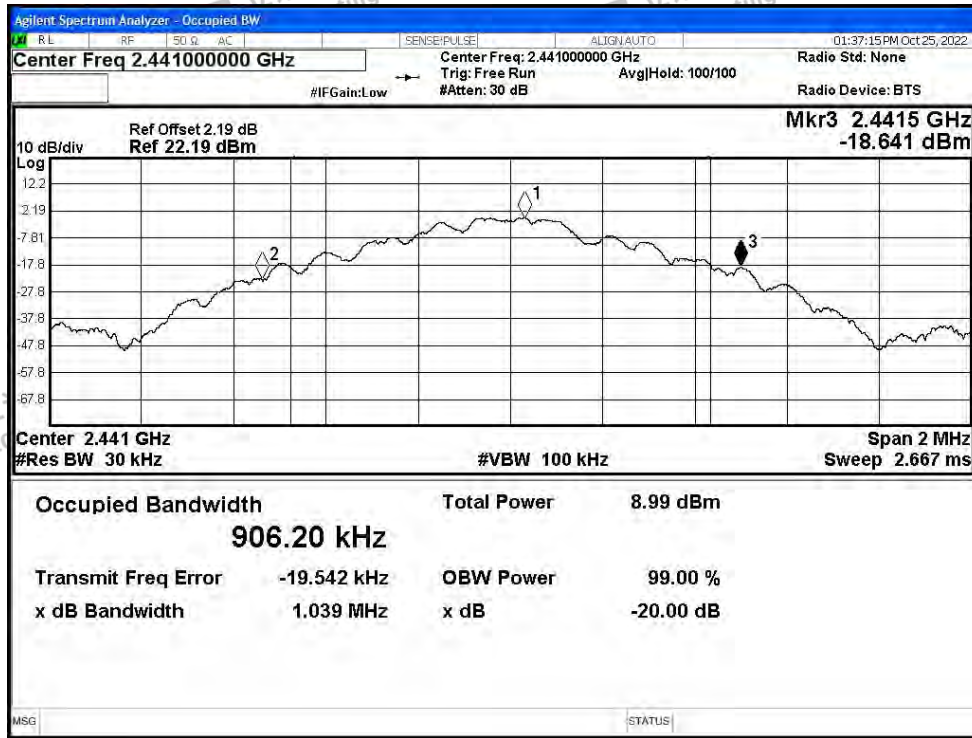


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

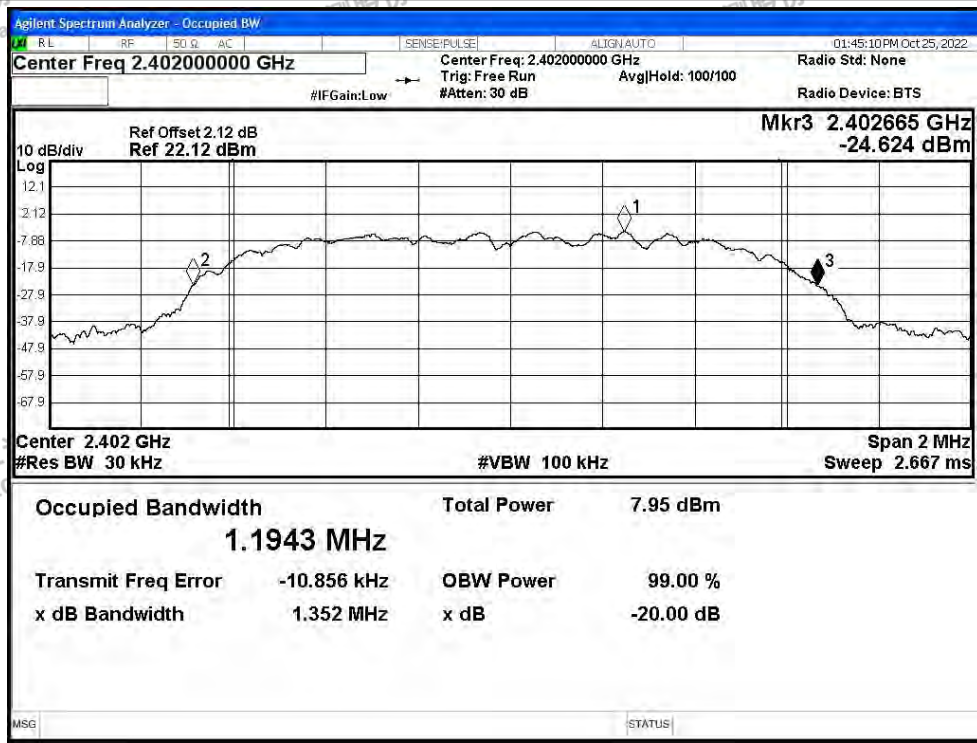




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

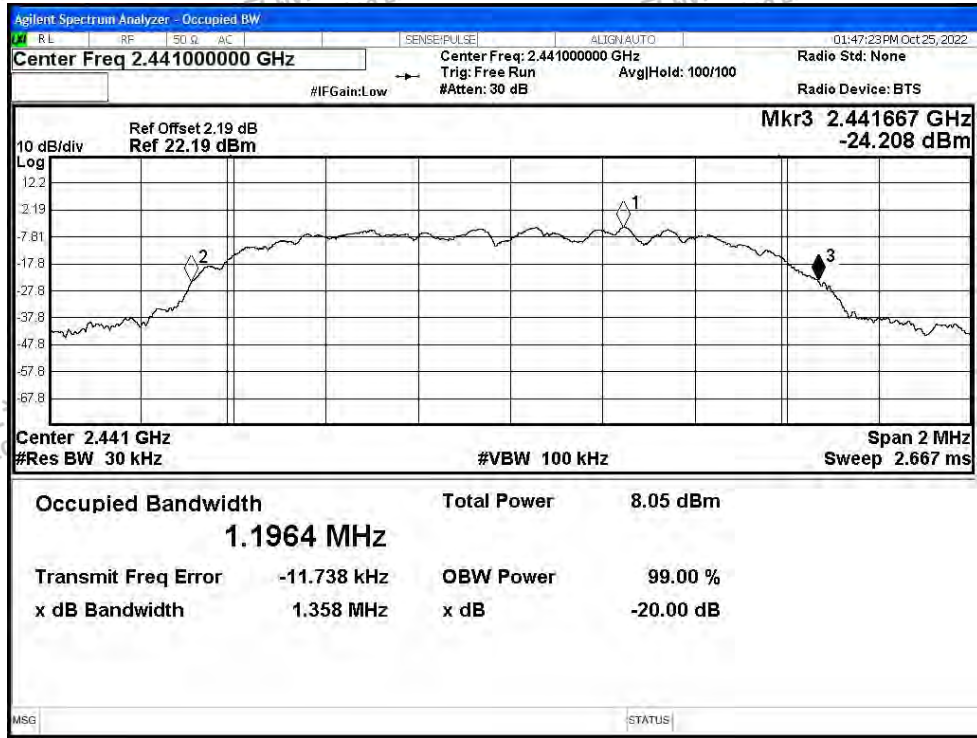


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

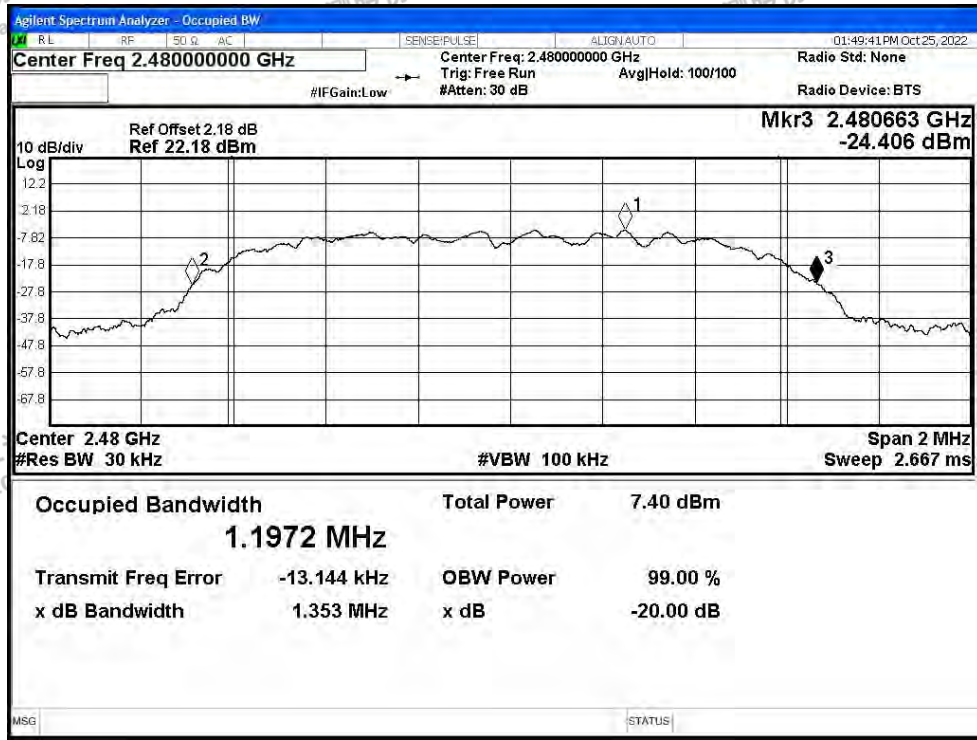




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

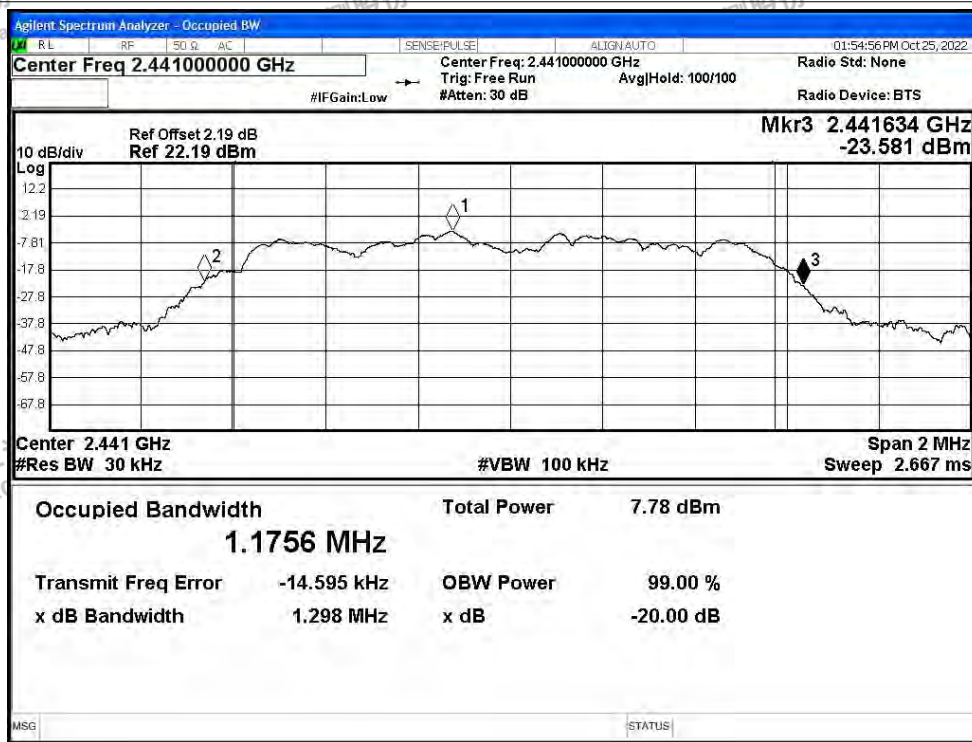




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

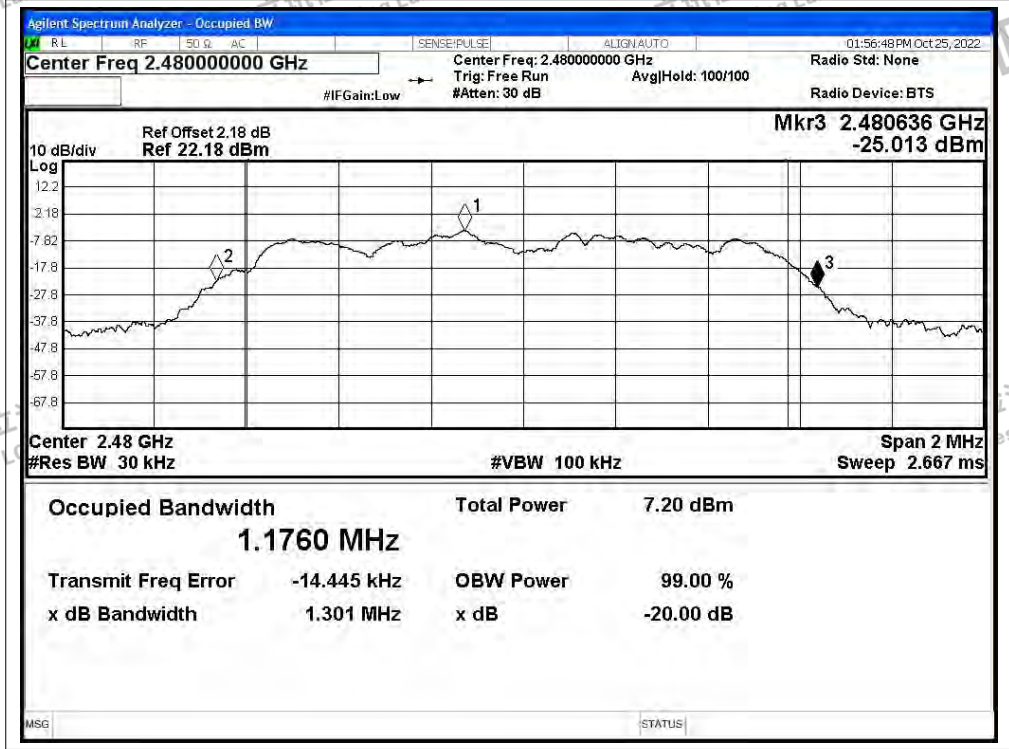


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

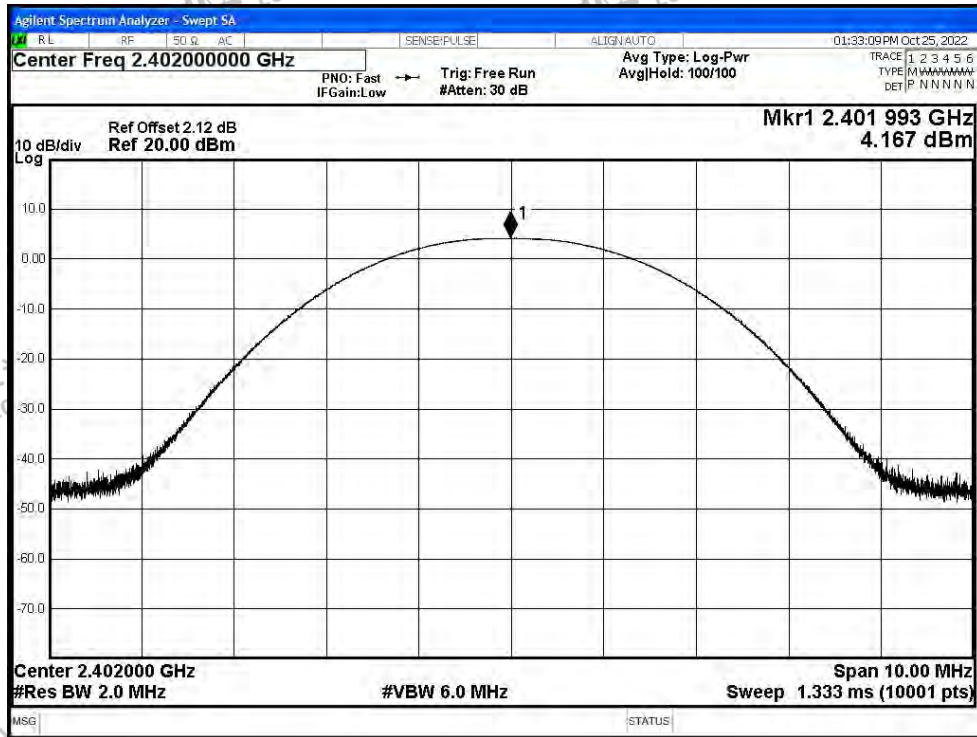
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	4.17	21	Pass
NVNT	1-DH5	2441	Ant1	4.14	21	Pass
NVNT	1-DH5	2480	Ant1	3.56	21	Pass
NVNT	2-DH5	2402	Ant1	5.41	21	Pass
NVNT	2-DH5	2441	Ant1	5.59	21	Pass
NVNT	2-DH5	2480	Ant1	4.99	21	Pass
NVNT	3-DH5	2402	Ant1	5.61	21	Pass
NVNT	3-DH5	2441	Ant1	5.76	21	Pass
NVNT	3-DH5	2480	Ant1	5.08	21	Pass



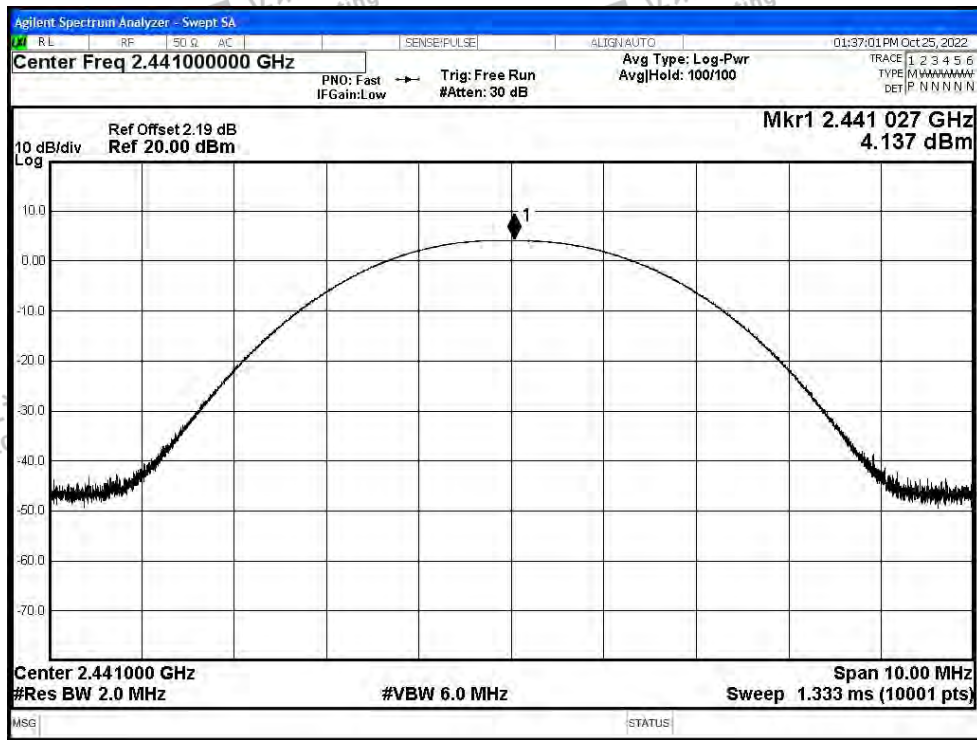


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

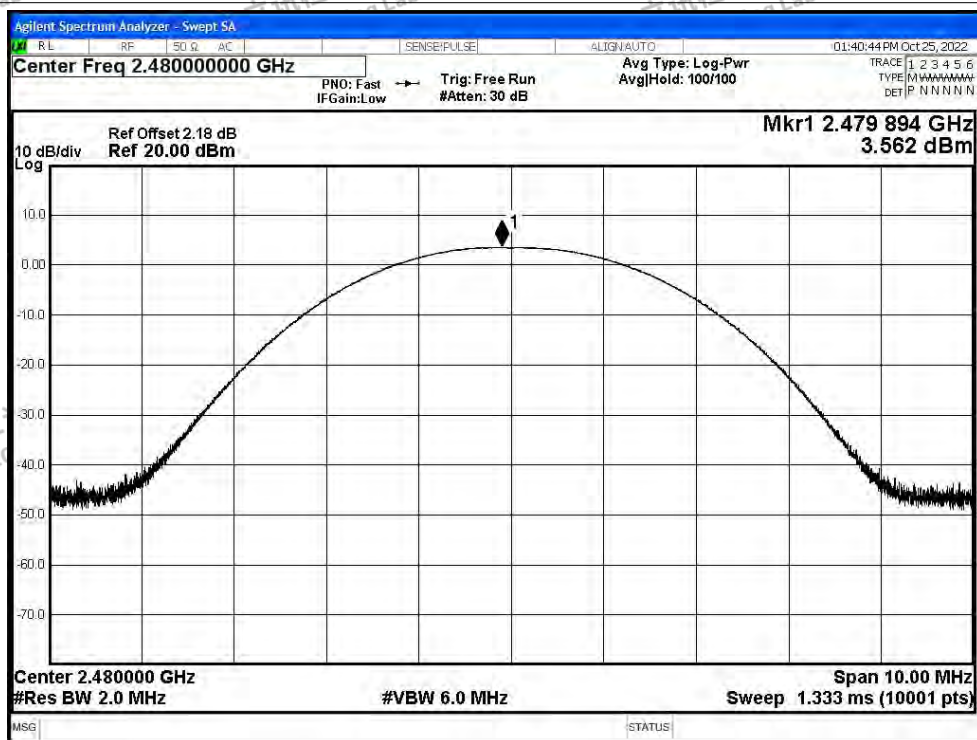


Power NVNT 1-DH5 2441MHz Ant1

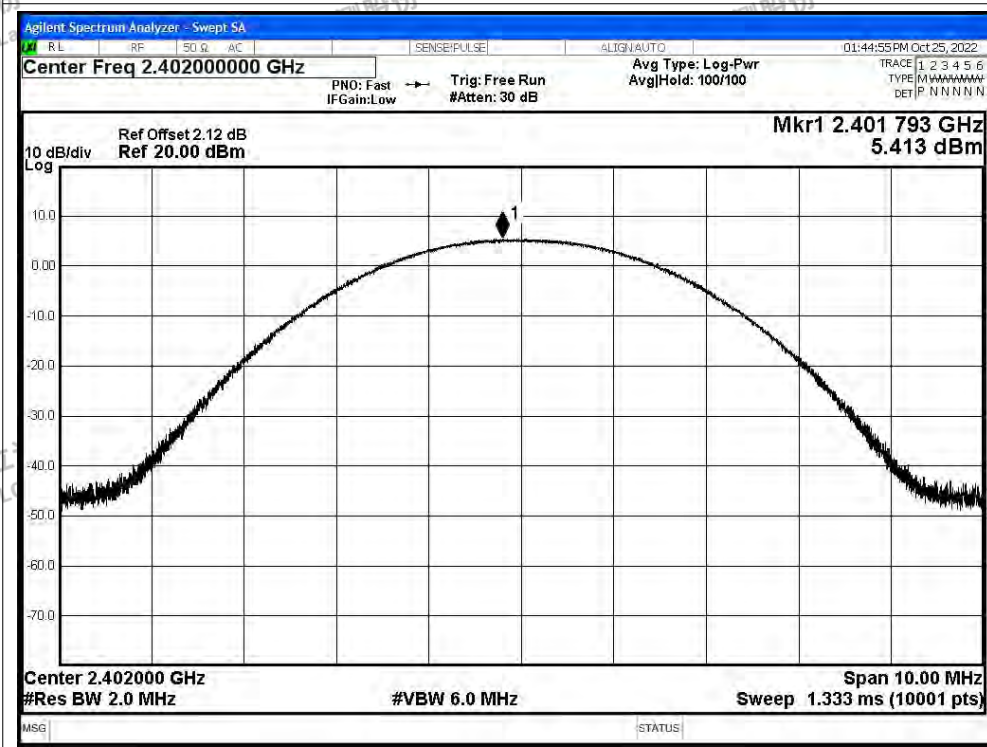




Power NVNT 1-DH5 2480MHz Ant1

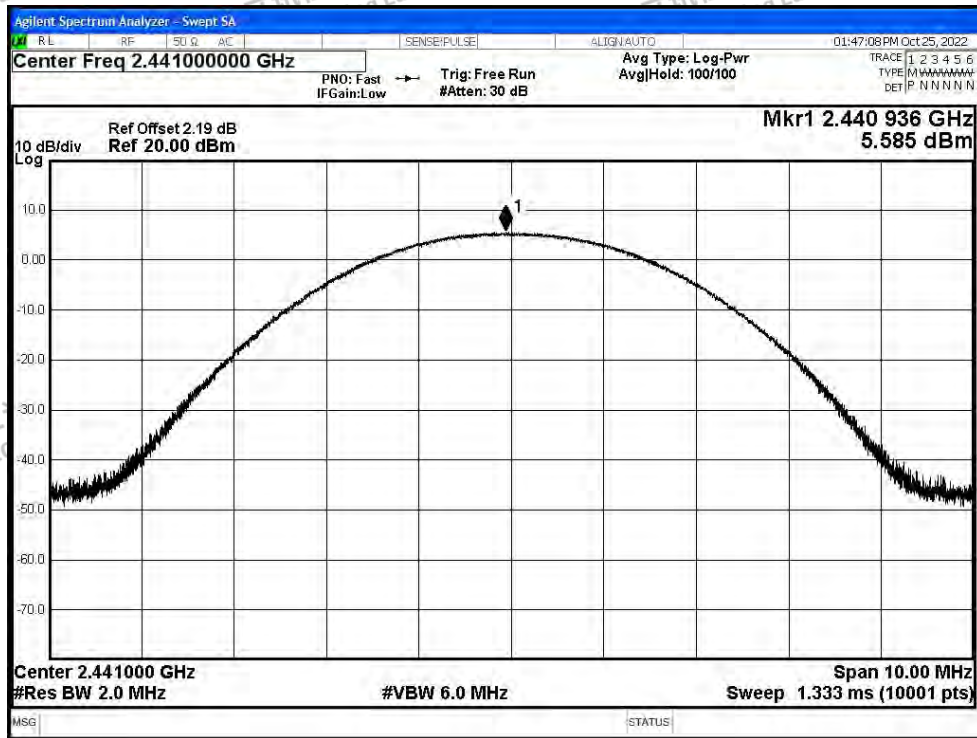


Power NVNT 2-DH5 2402MHz Ant1

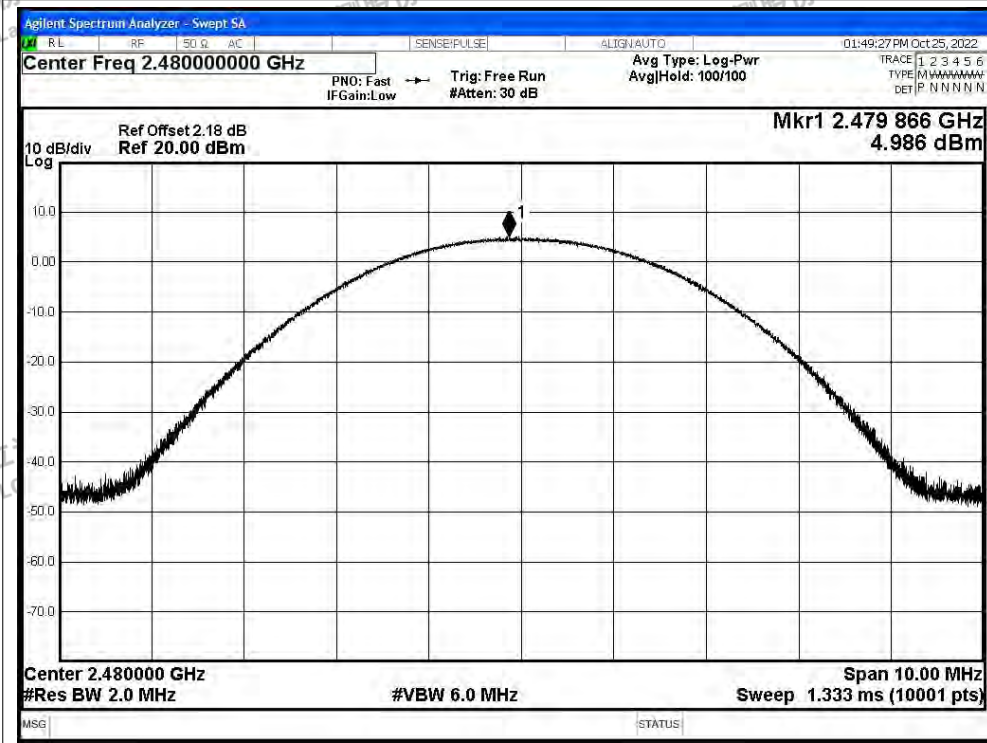




Power NVNT 2-DH5 2441MHz Ant1

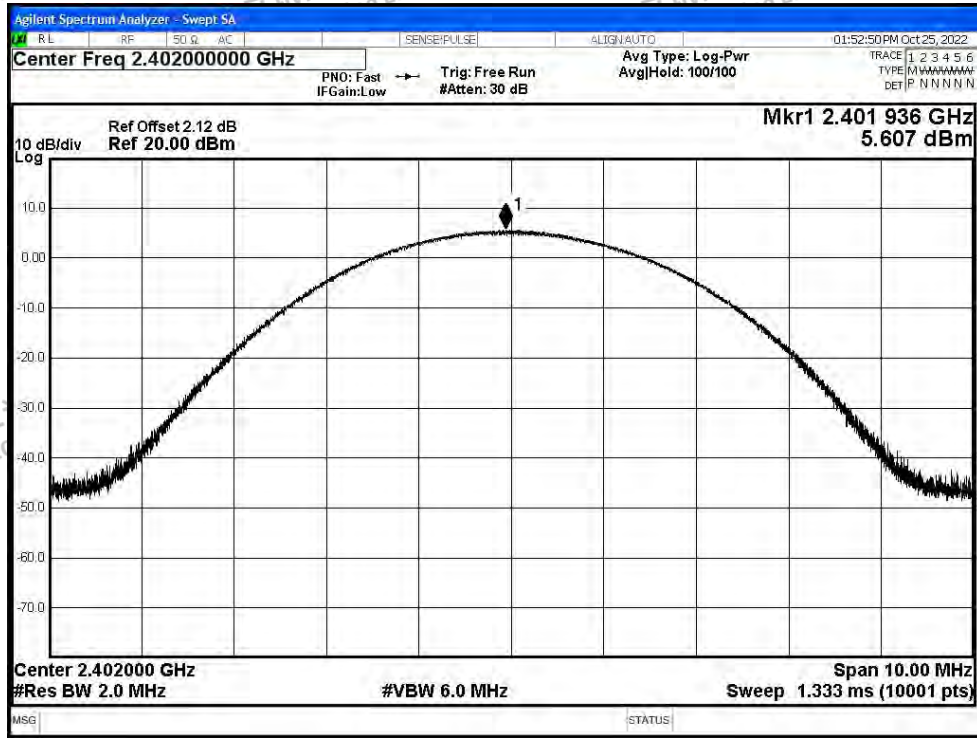


Power NVNT 2-DH5 2480MHz Ant1

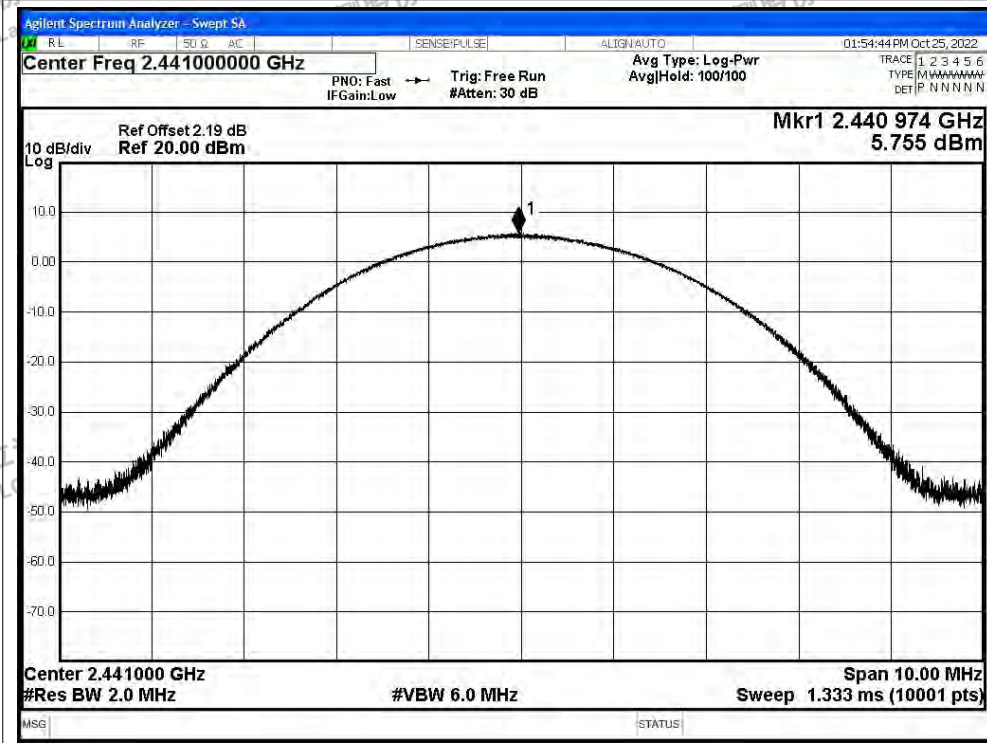




Power NVNT 3-DH5 2402MHz Ant1

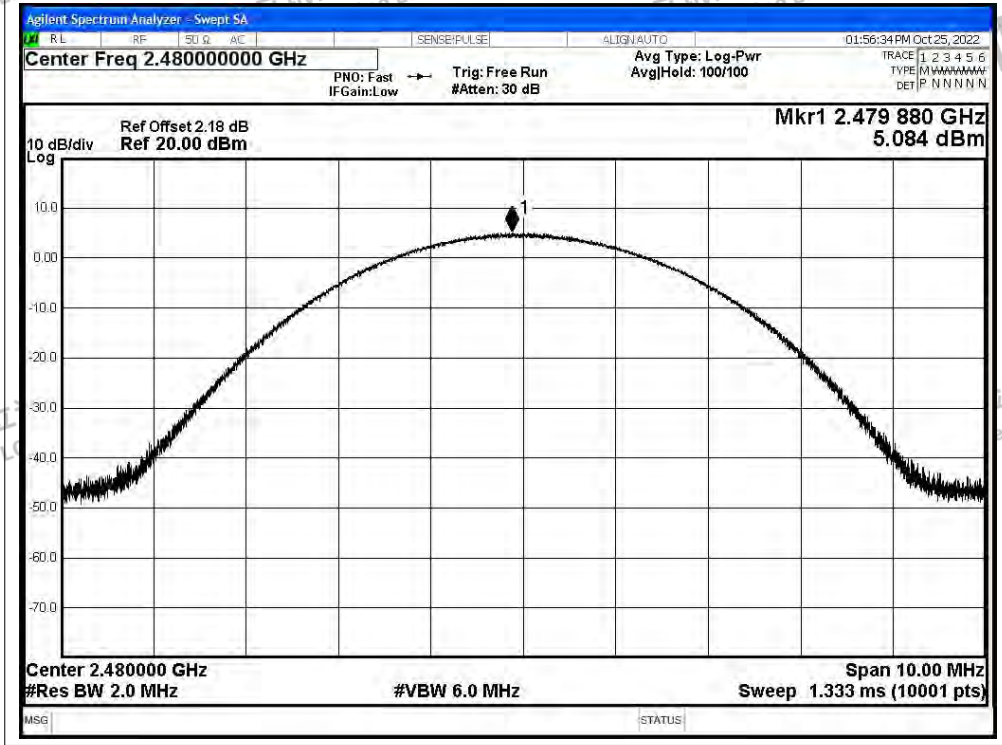


Power NVNT 3-DH5 2441MHz Ant1





Power NVNT 3-DH5 2480MHz Ant1





A.3 Carrier Frequencies Separation

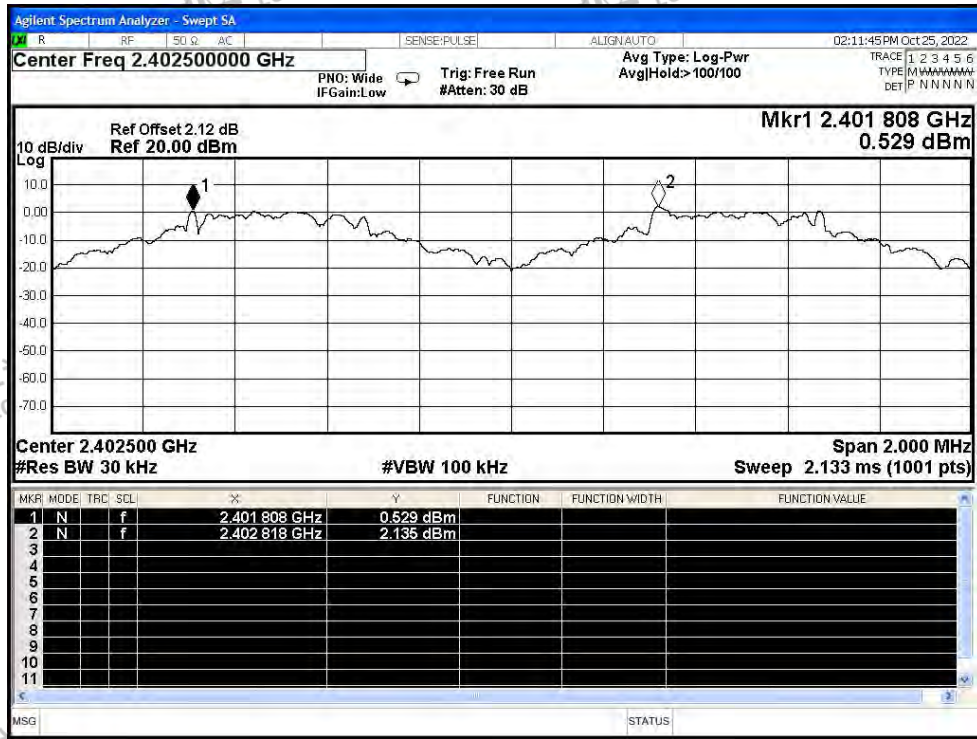
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.808	2402.818	1.010	0.693	Pass
NVNT	2-DH5	Ant1	2401.826	2402.814	0.988	0.906	Pass
NVNT	3-DH5	Ant1	2401.818	2402.834	1.016	0.868	Pass



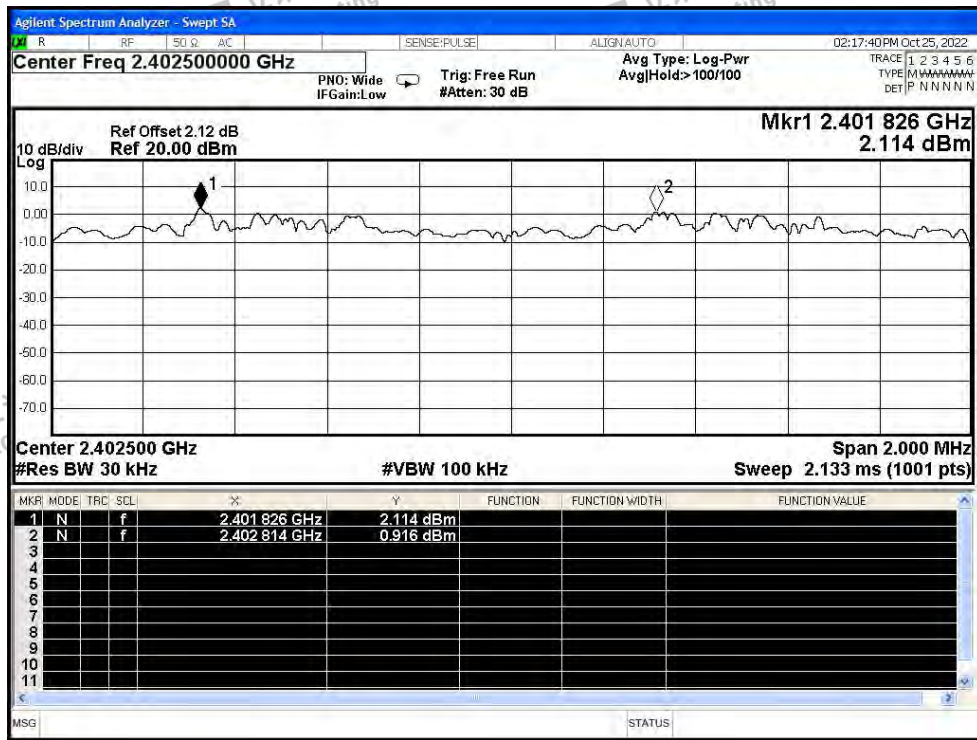


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

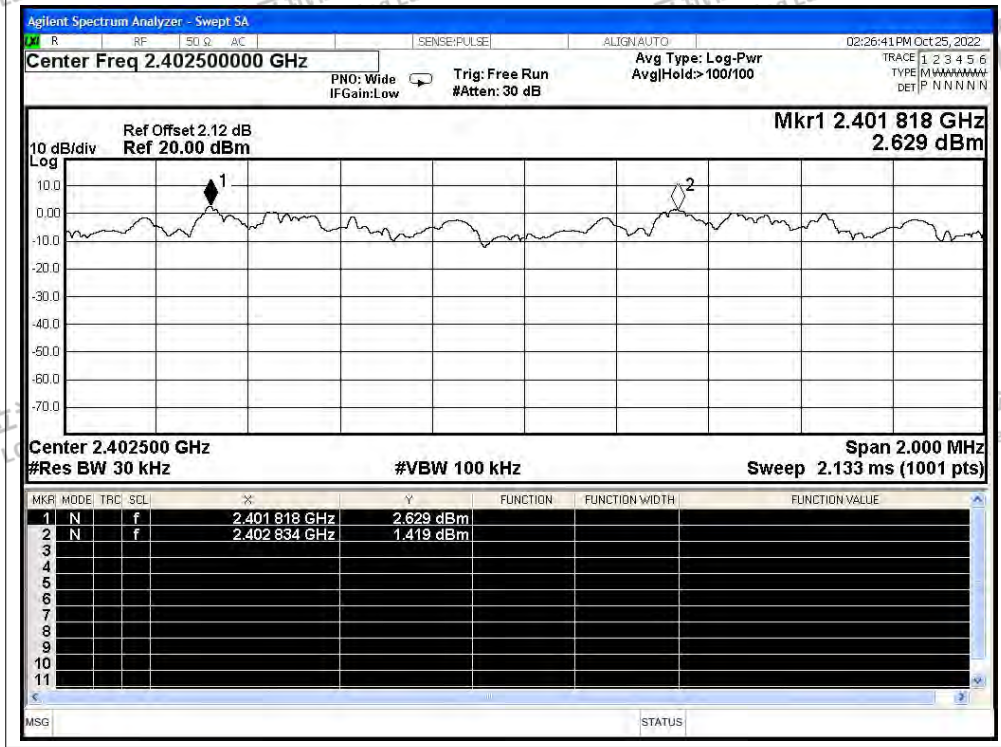


CFS NVNT 2-DH5 2402MHz Ant1





CFS NVNT 3-DH5 2402MHz Ant1





A.5 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

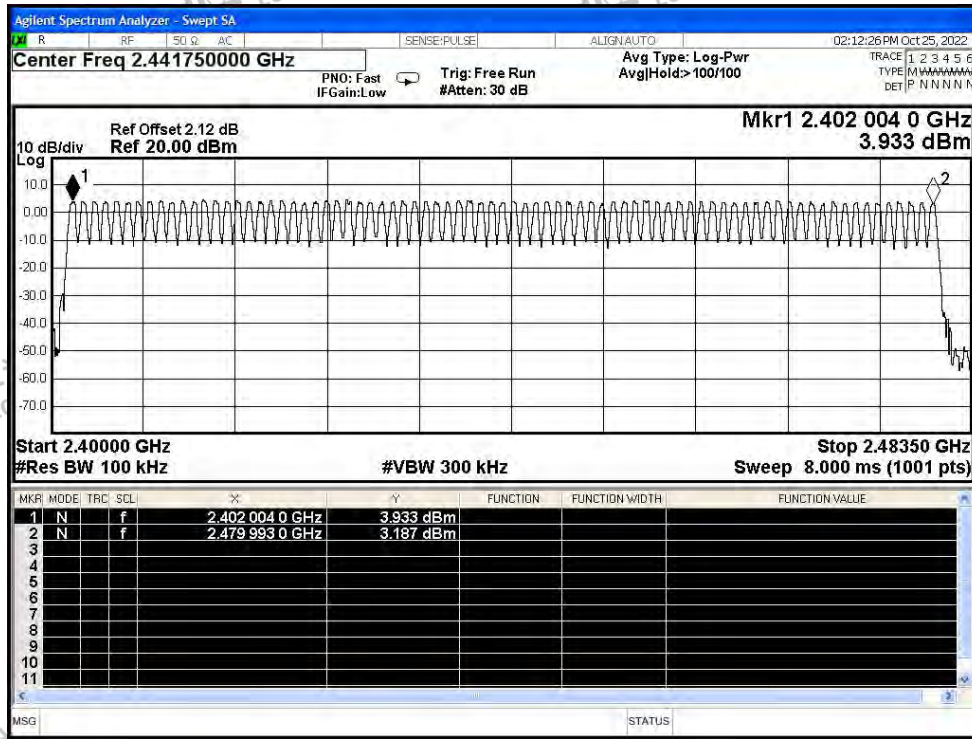


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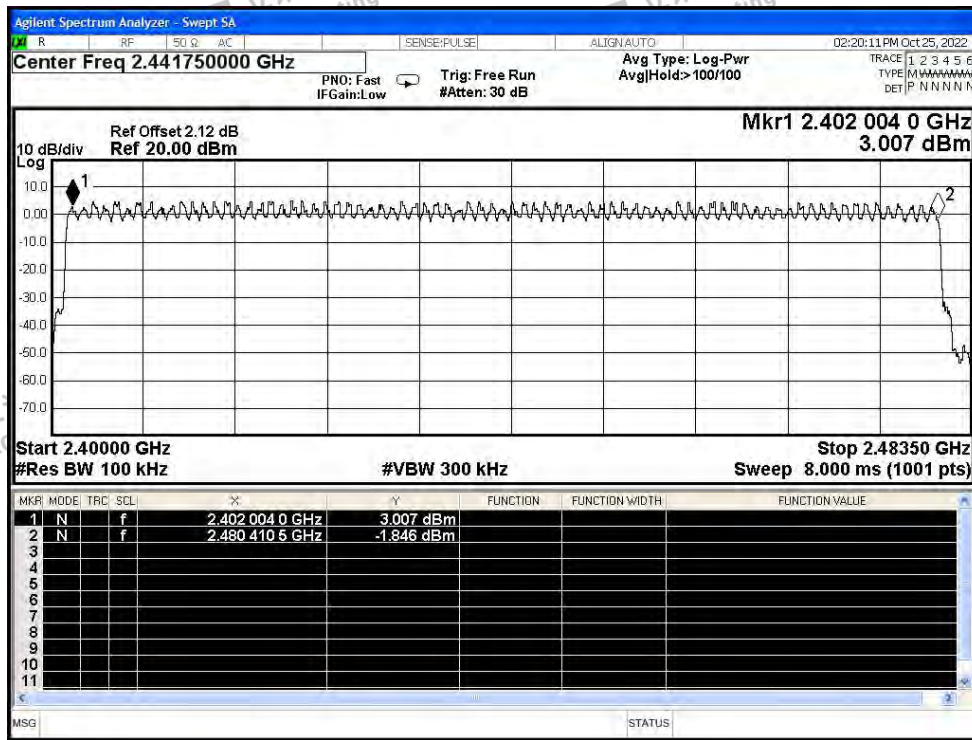


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

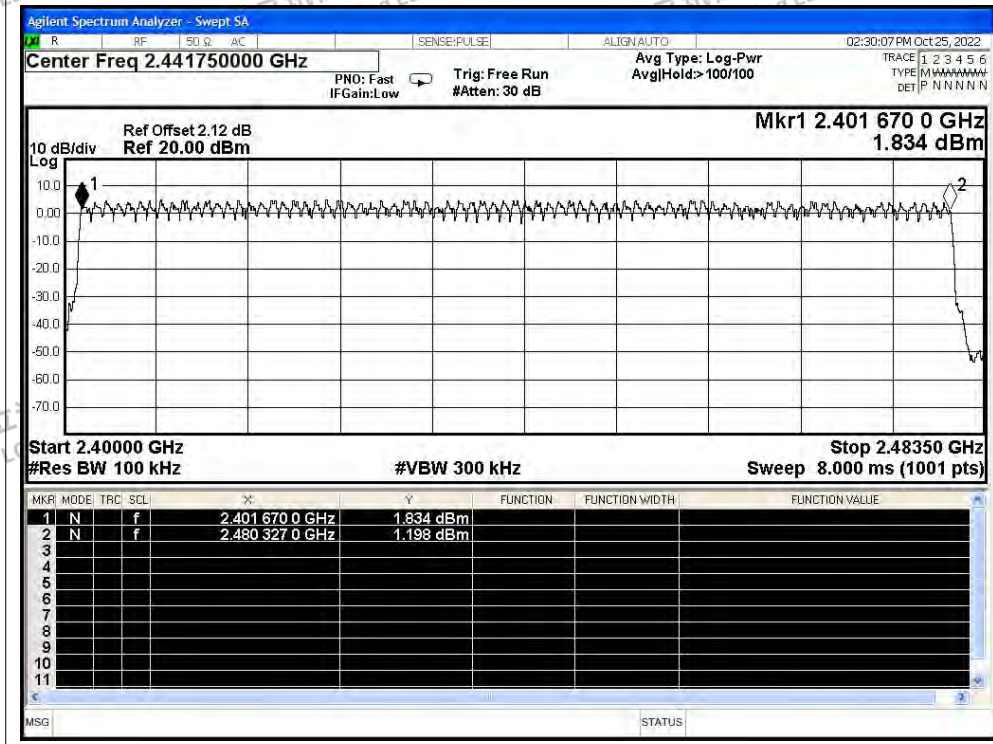


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1



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A.4 Dwell Time

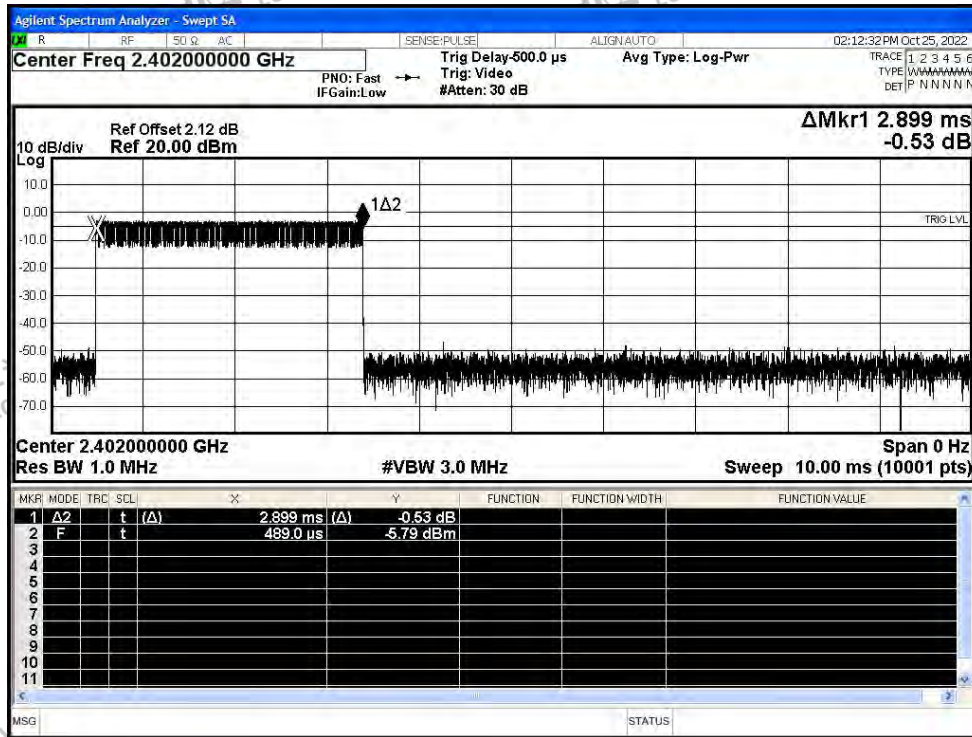
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.899	301.496	104	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.905	331.17	114	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.906	293.506	101	31600	400	Pass



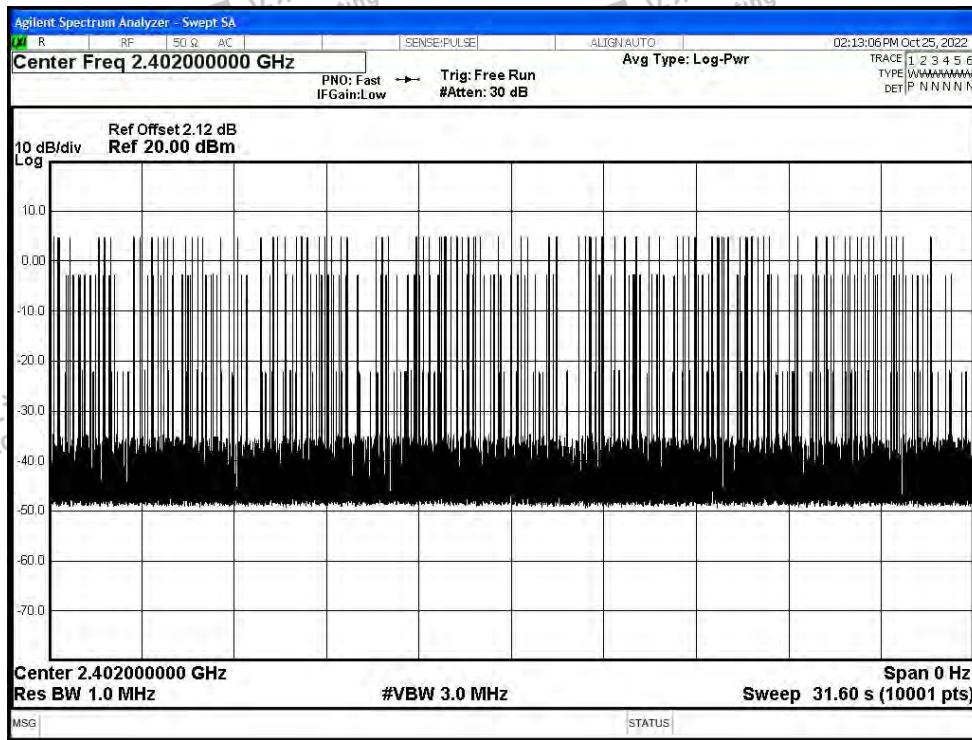


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

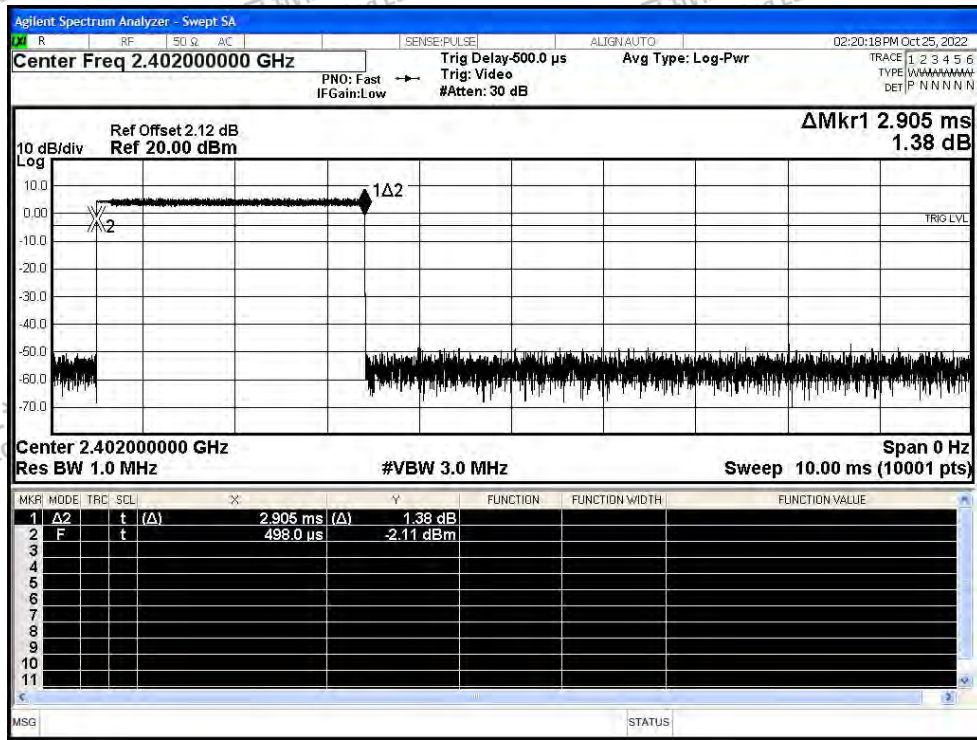


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

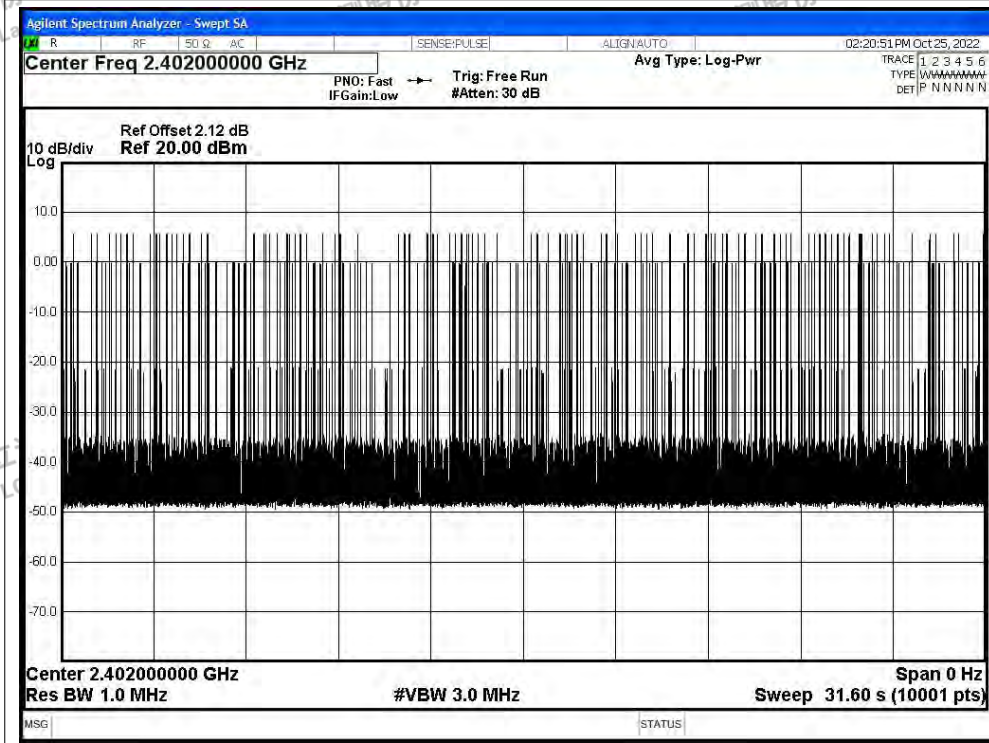




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

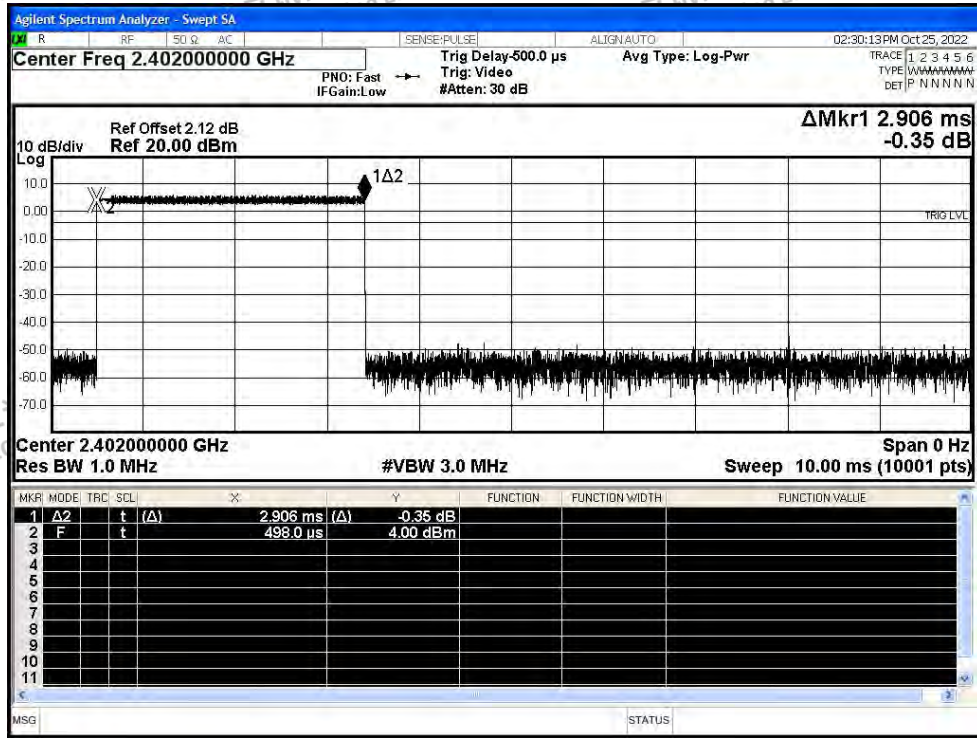


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

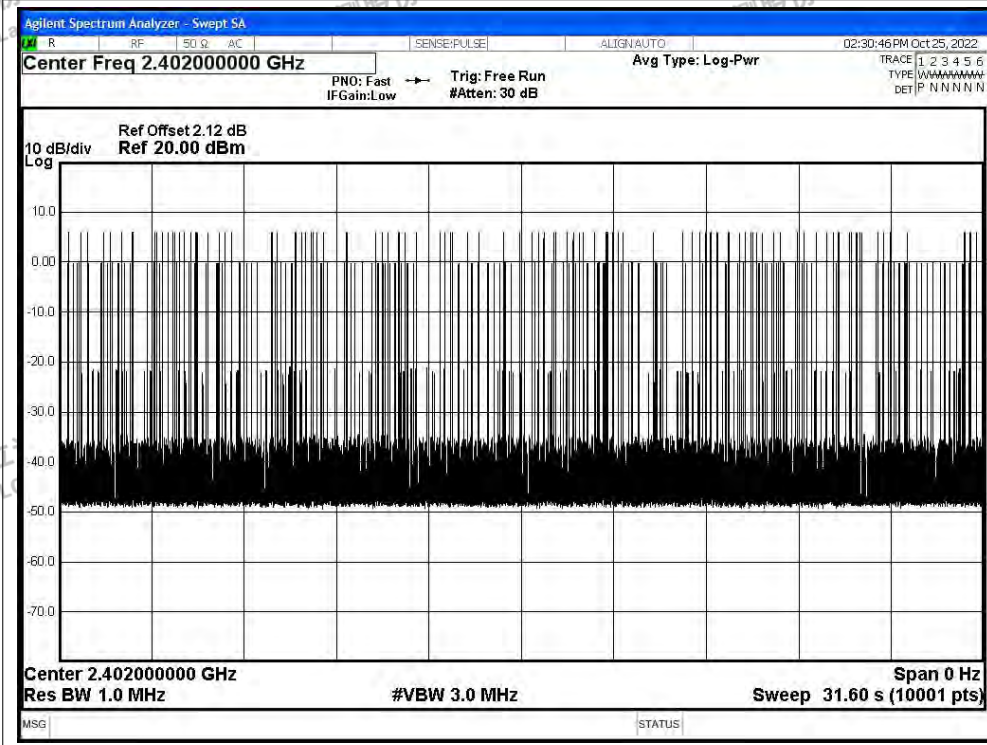




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.43	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.87	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.7	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.67	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.13	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.53	-20	Pass

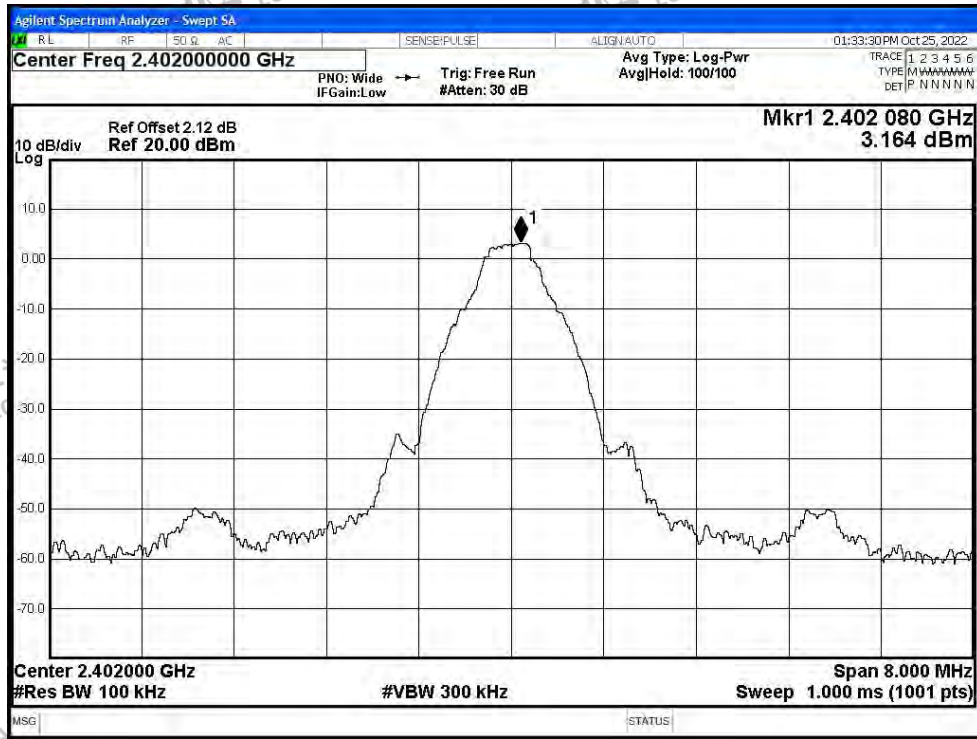


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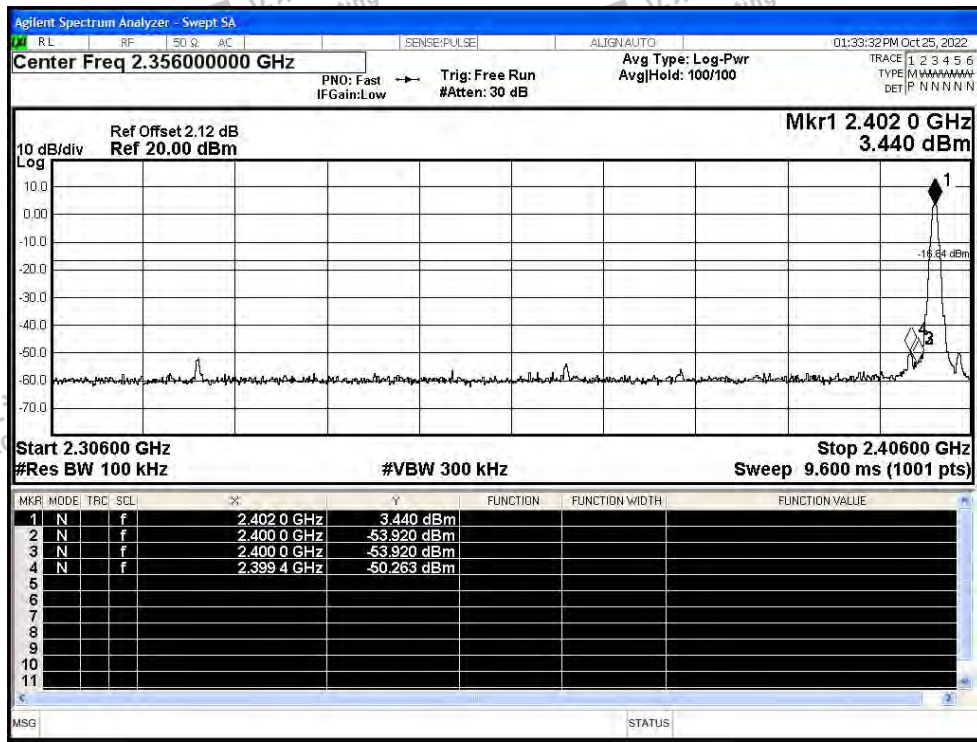


Test Graphs

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

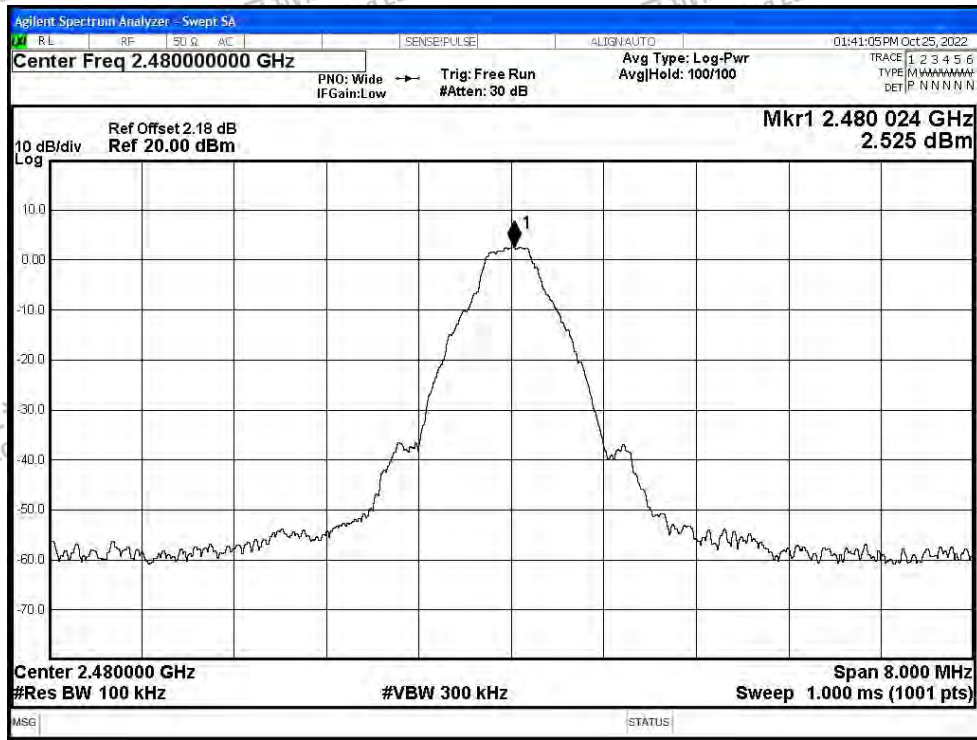


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

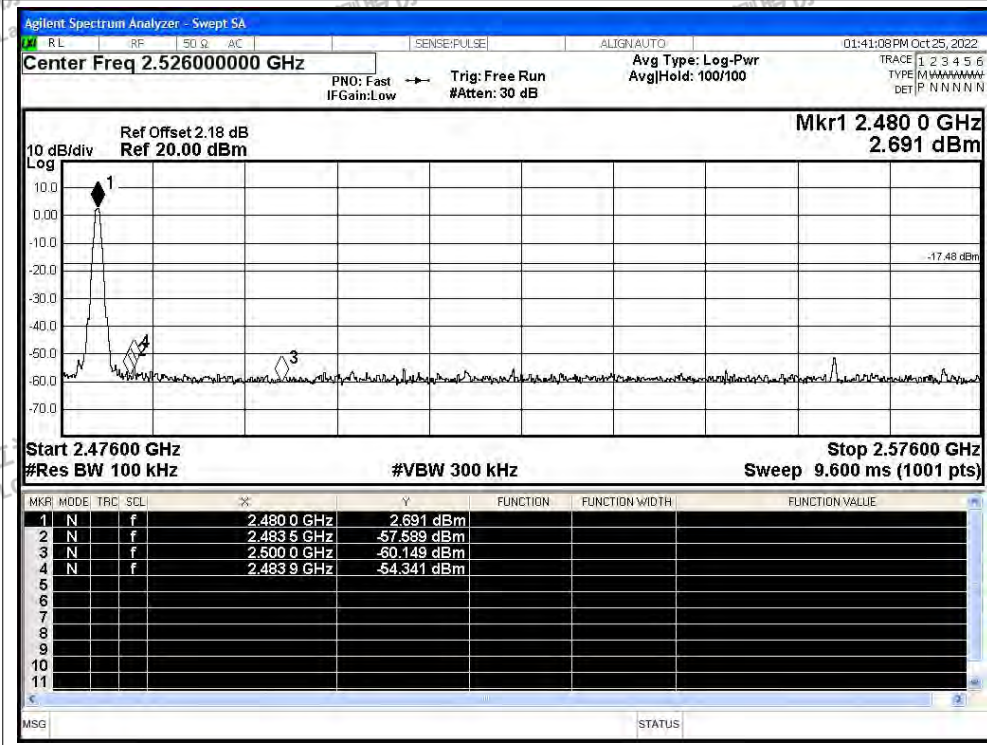




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

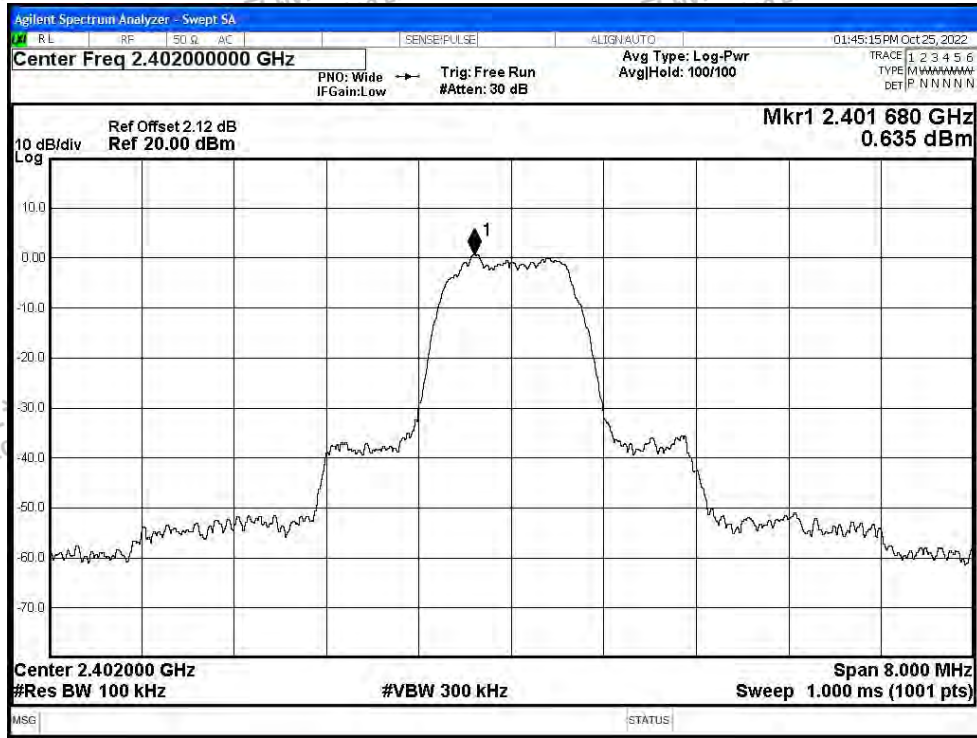


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

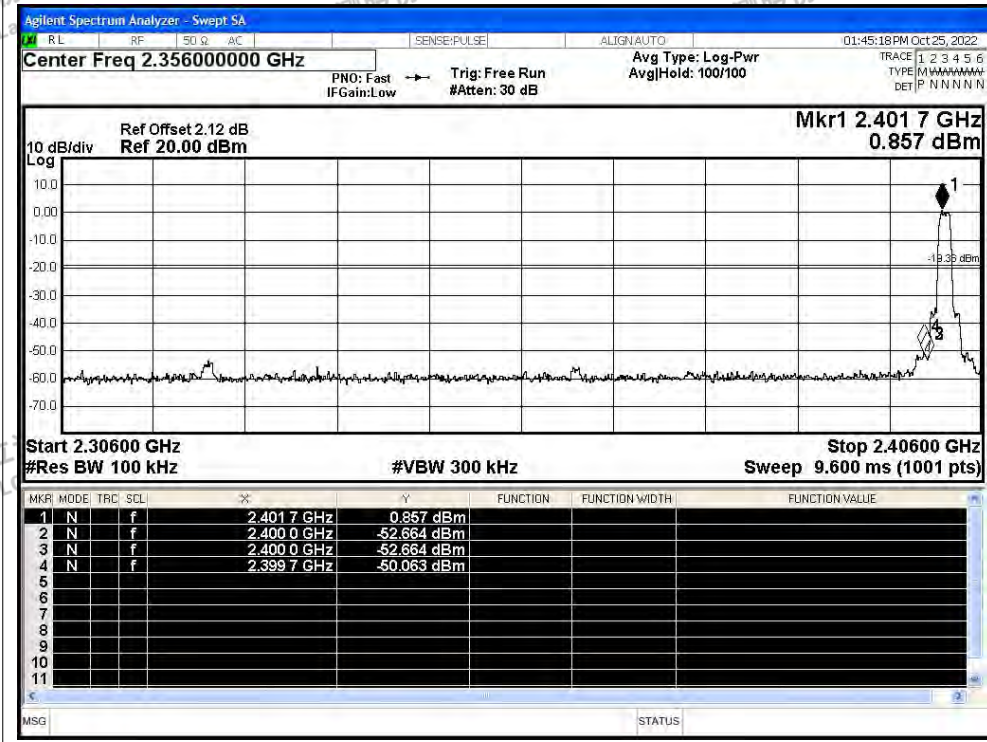




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

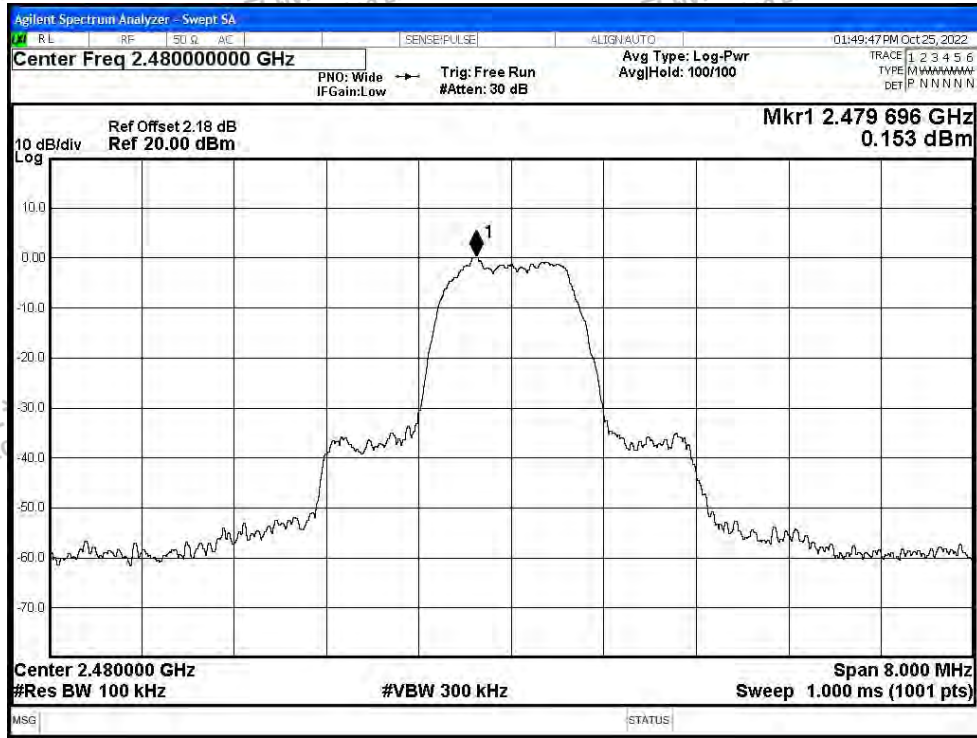


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

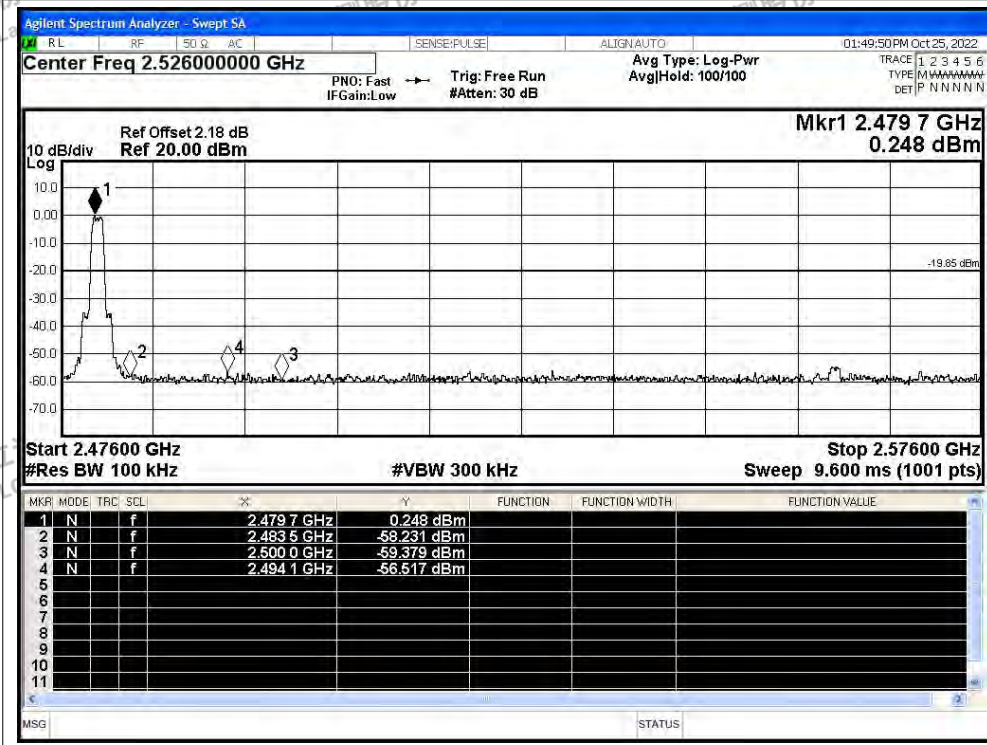




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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

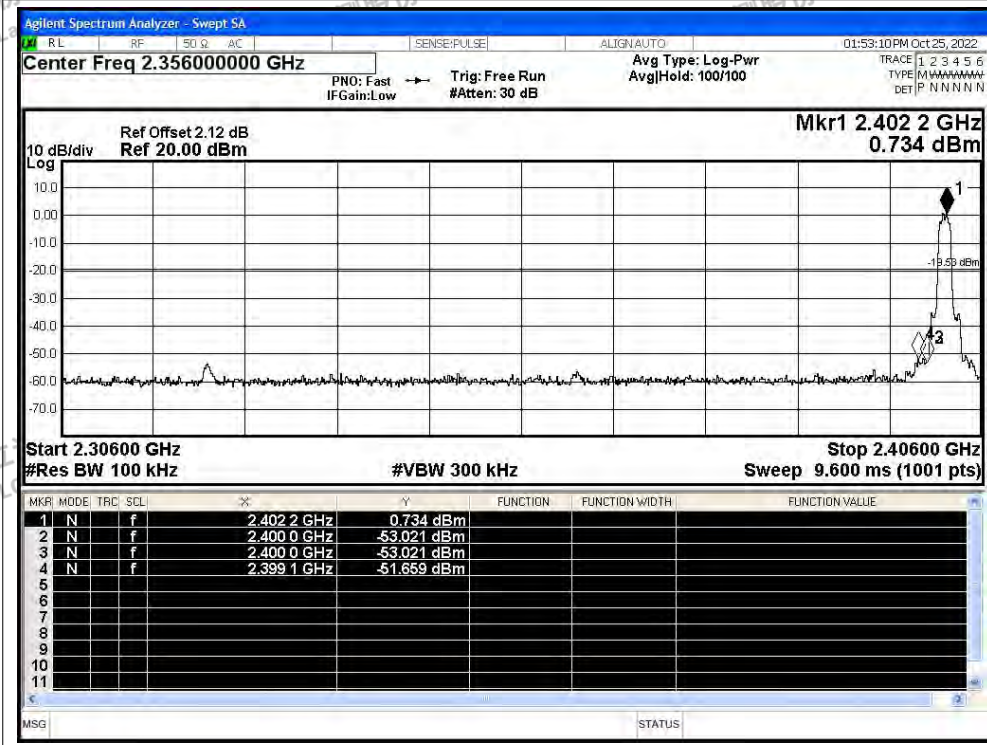




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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

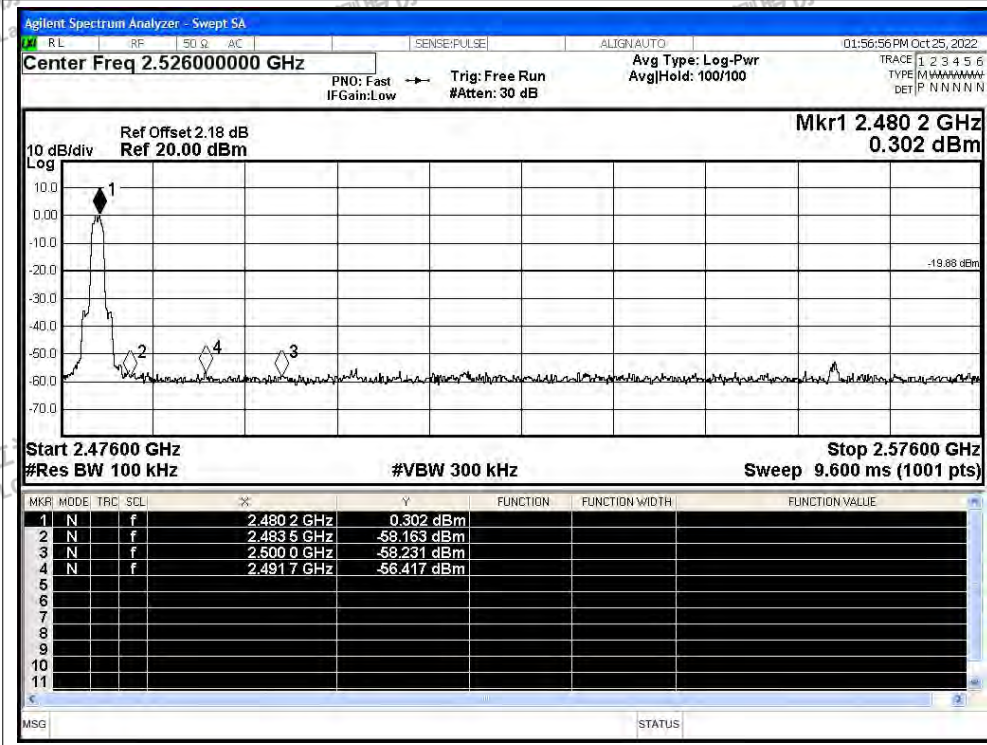




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-51.06	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-51.7	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.33	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-54.04	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-51.92	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-50.45	-20	Pass



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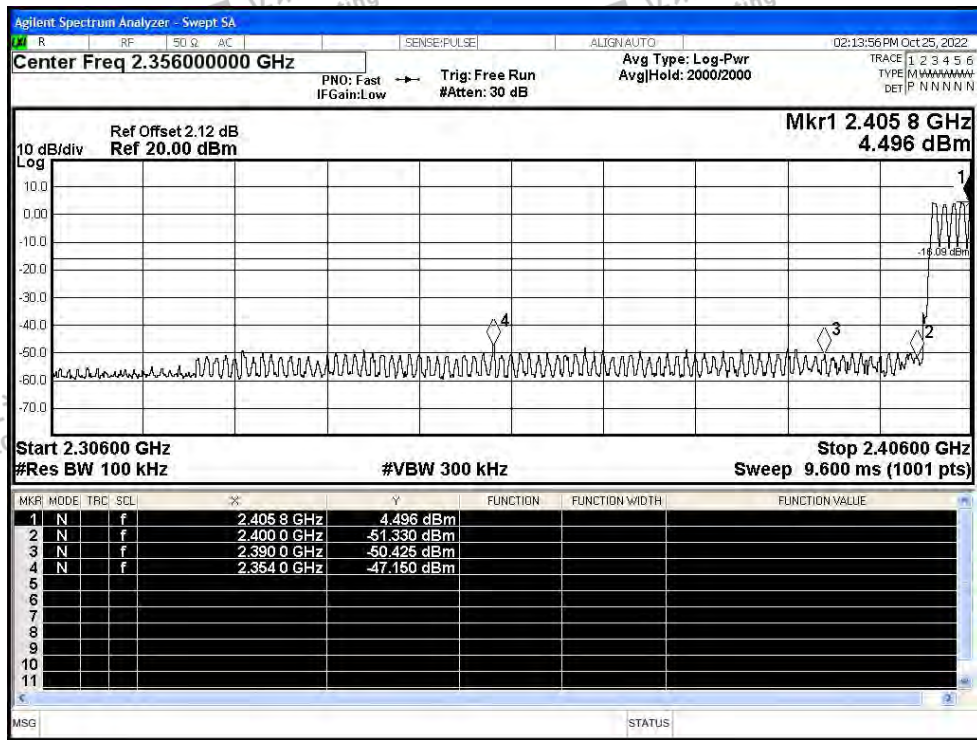


Test Graphs

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

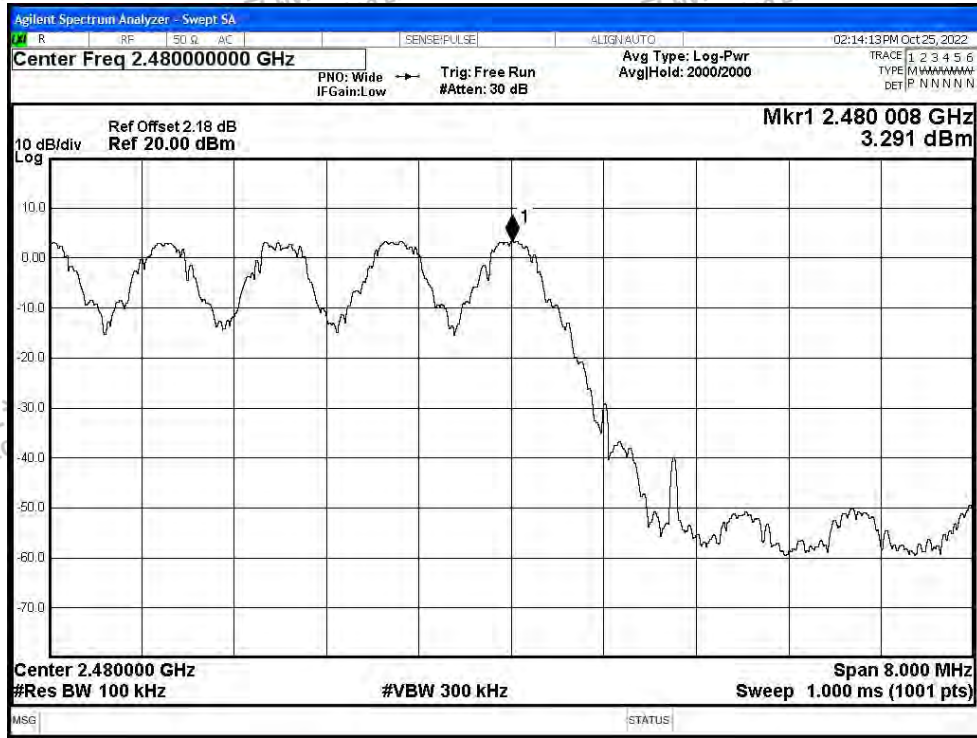


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

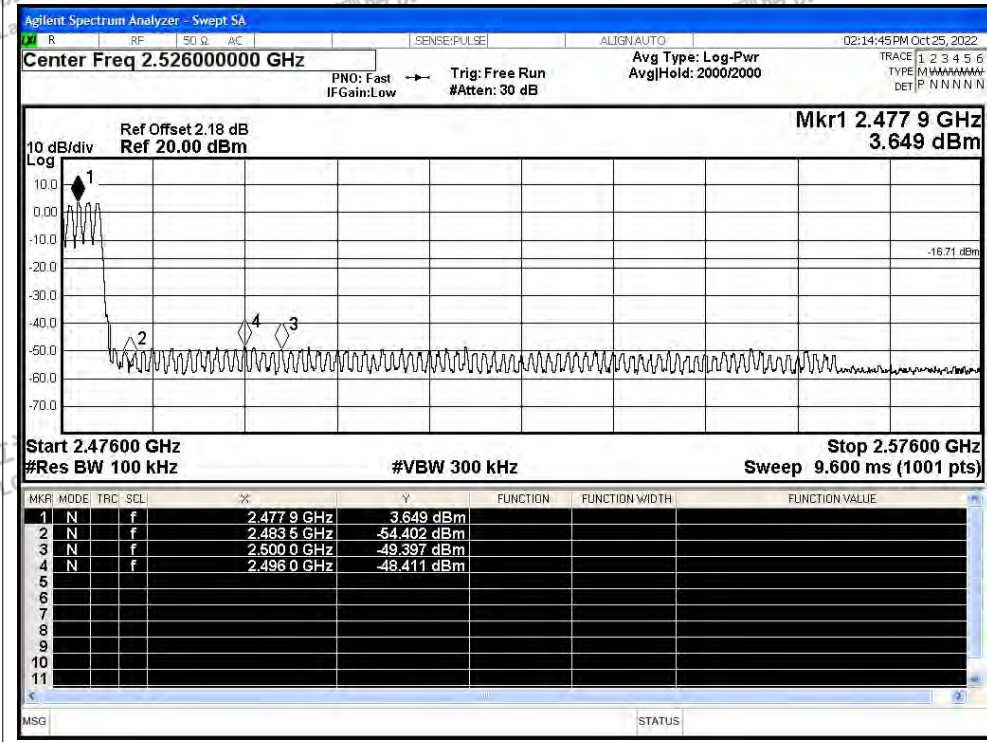




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

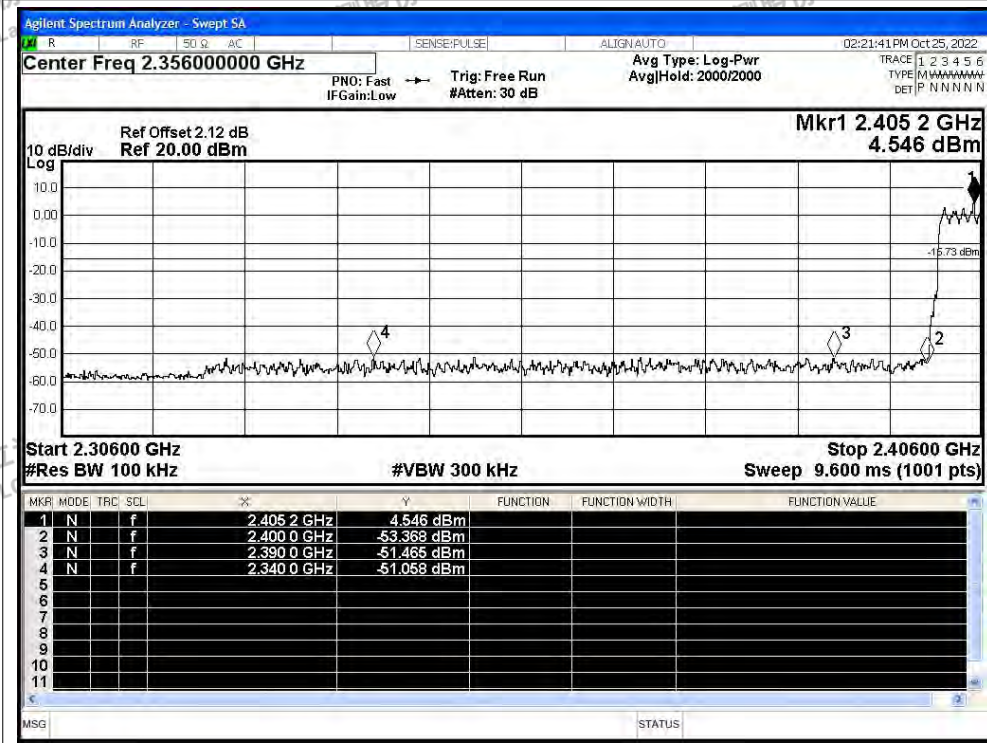




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

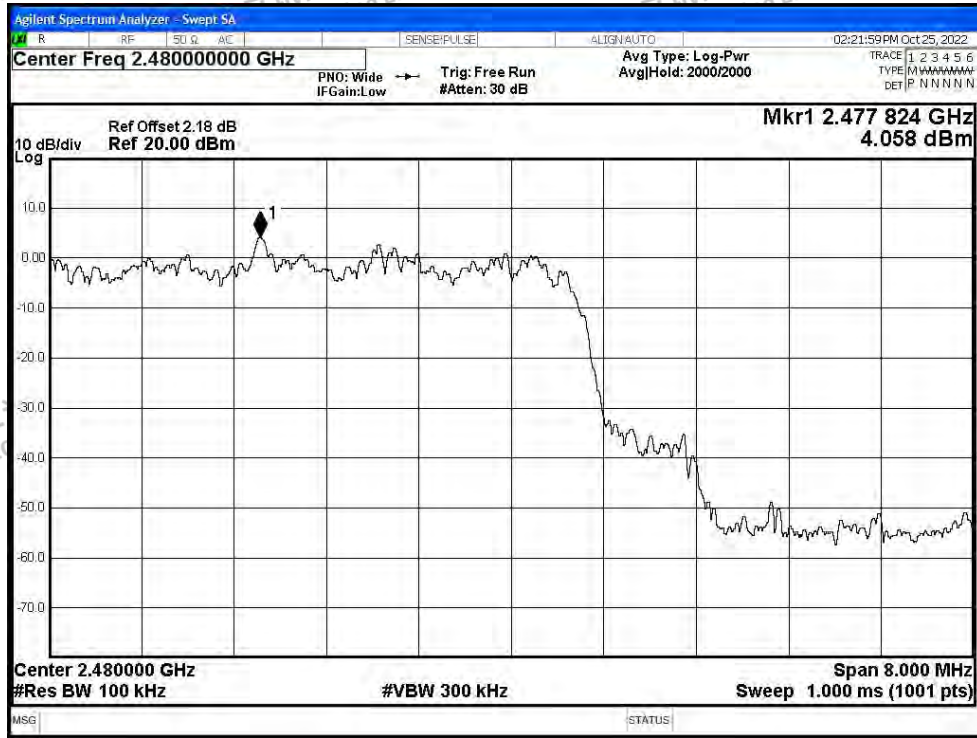


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

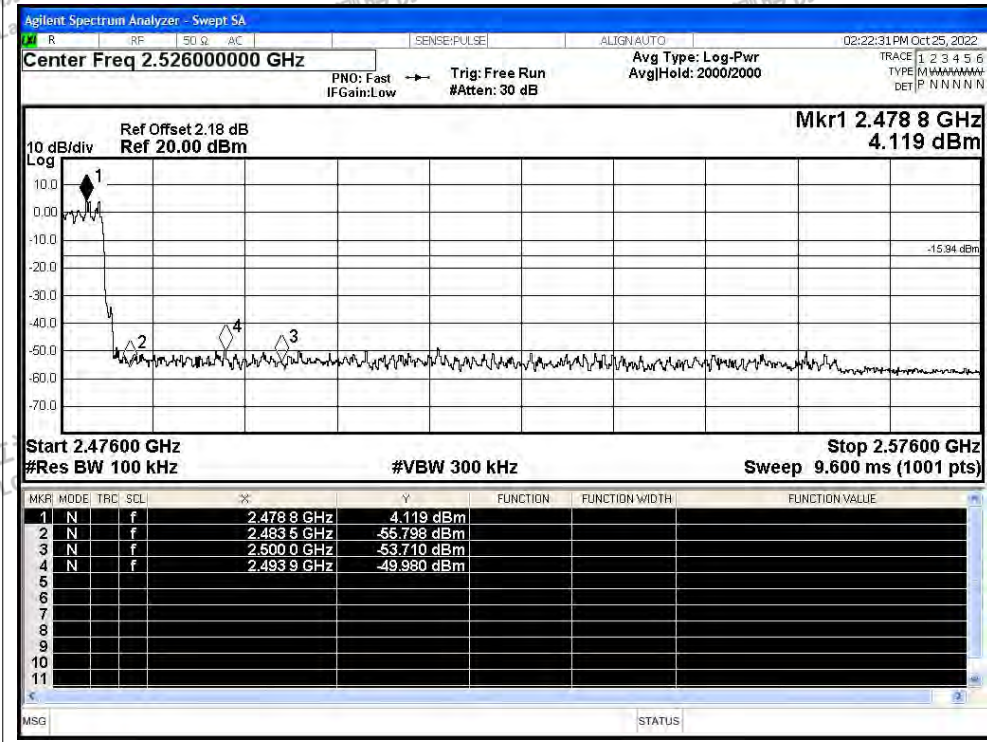




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

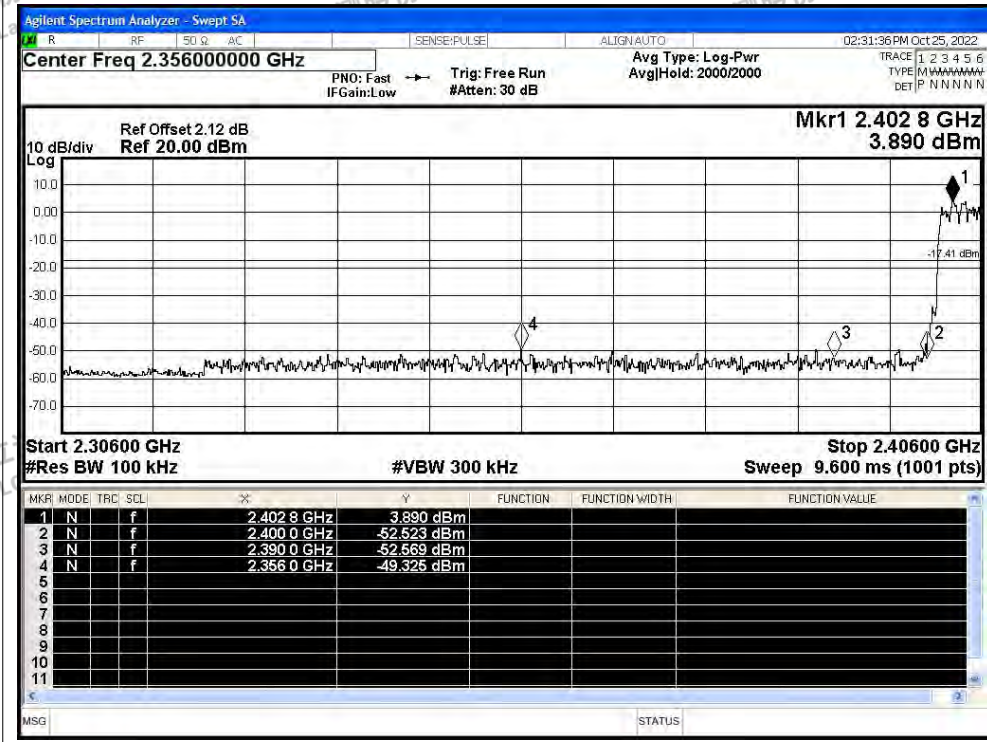




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

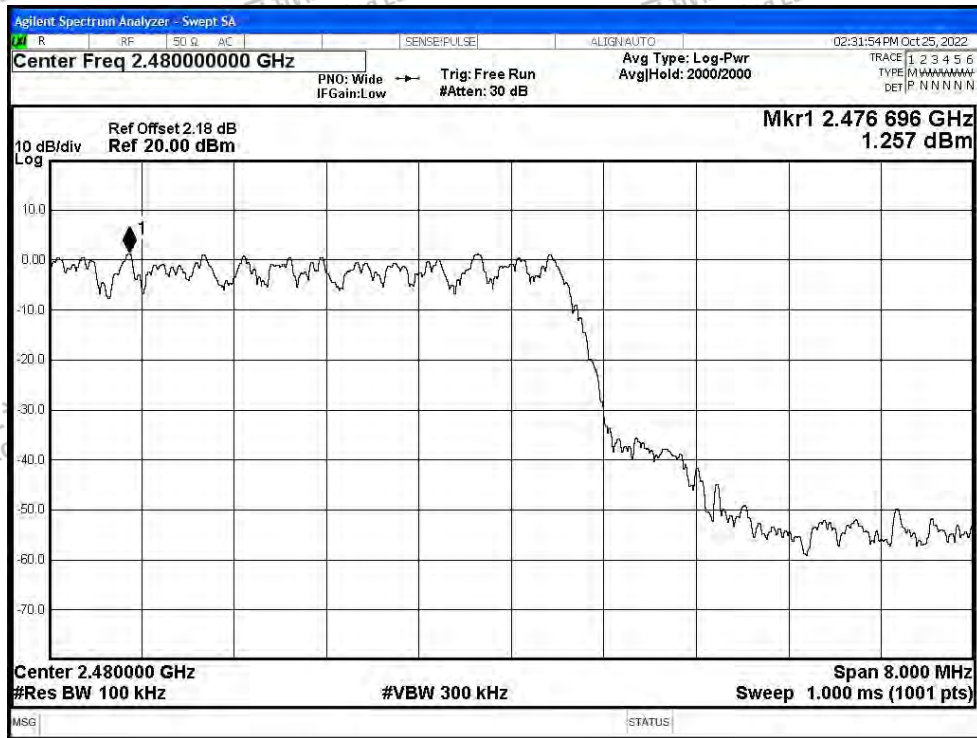


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

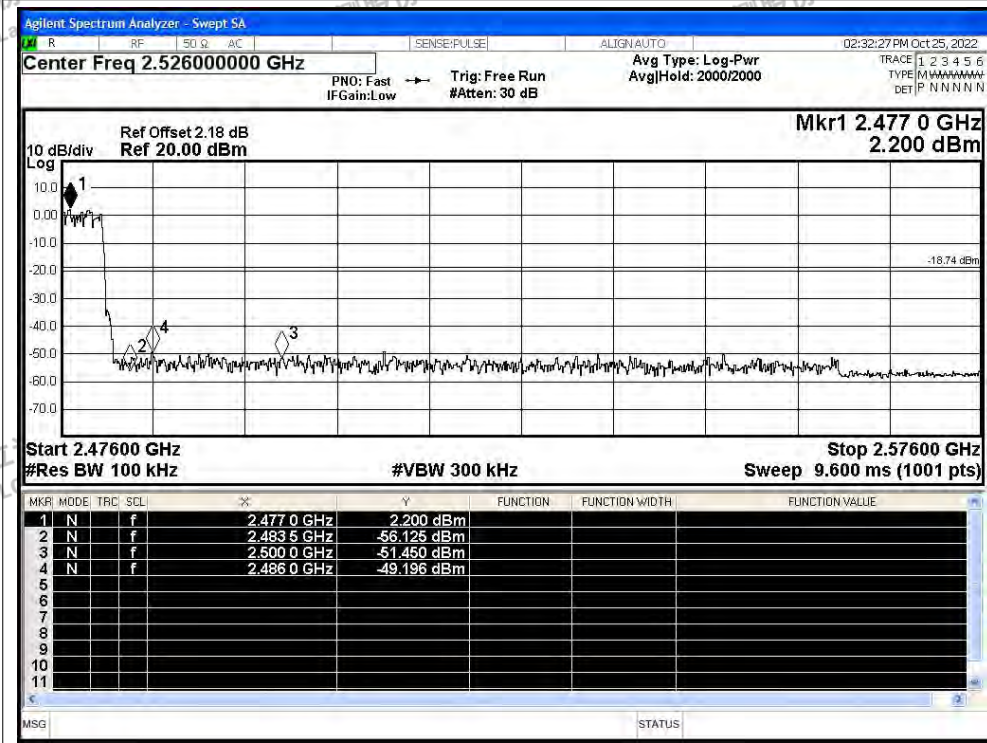




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-57.48	-20	Pass
NVNT	1-DH5	2441	Ant1	-54.1	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.8	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.69	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.29	-20	Pass
NVNT	2-DH5	2480	Ant1	-52.94	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.12	-20	Pass
NVNT	3-DH5	2441	Ant1	-52.57	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.88	-20	Pass

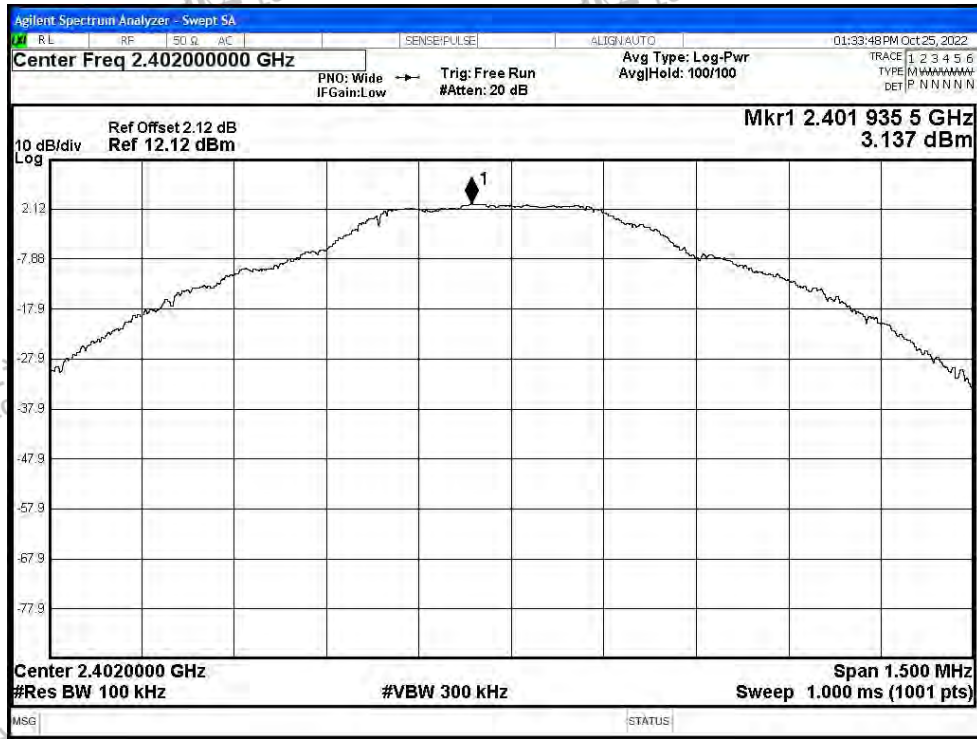


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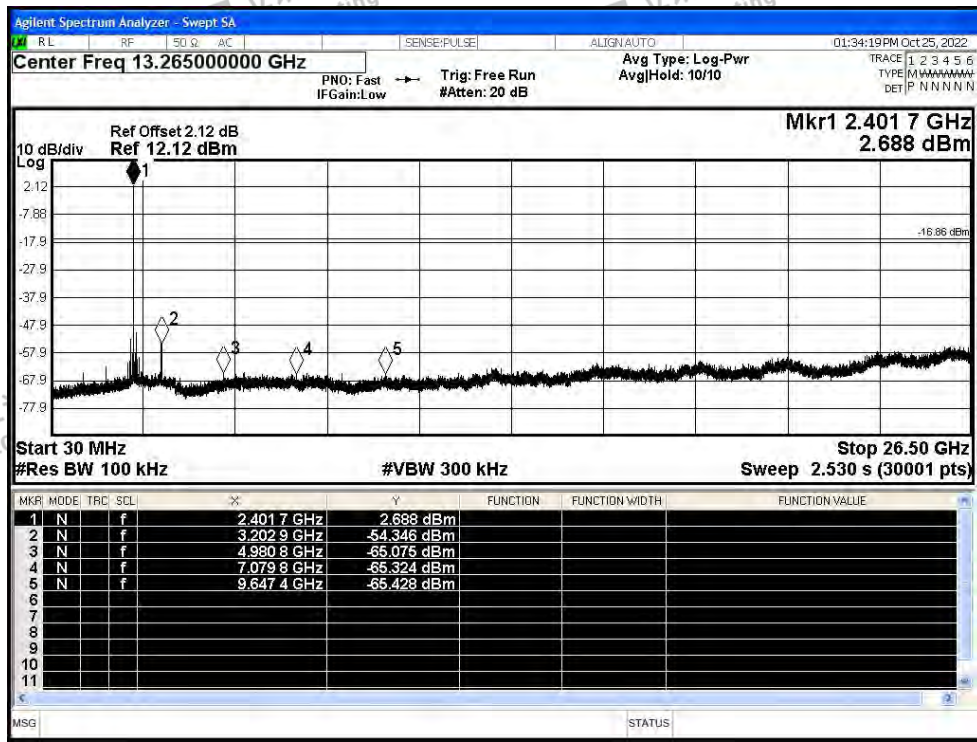


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

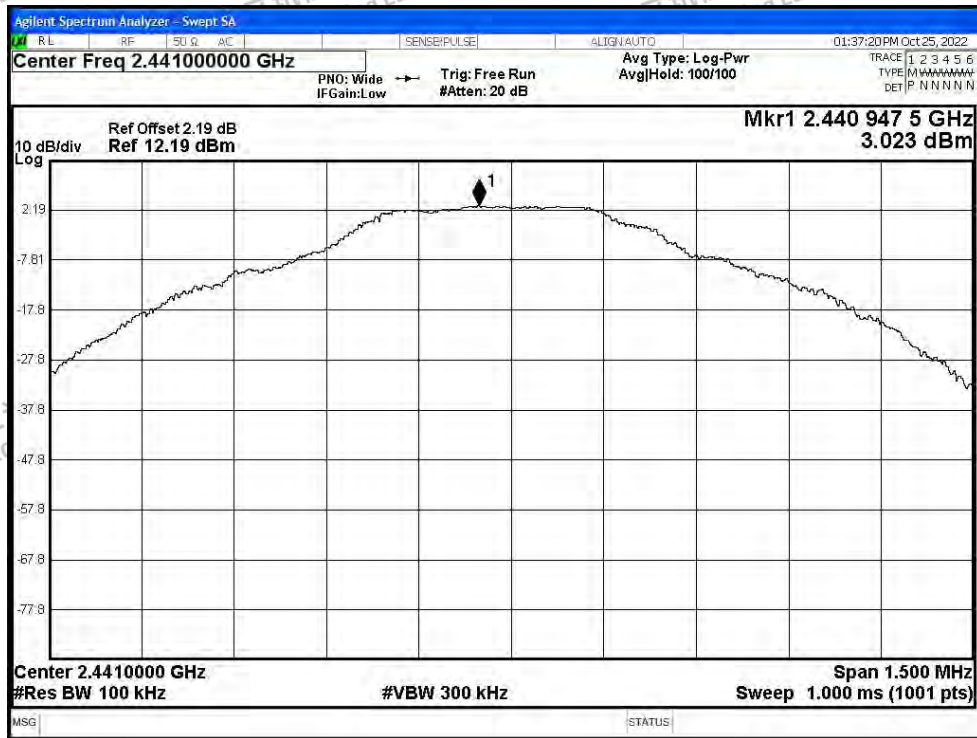


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

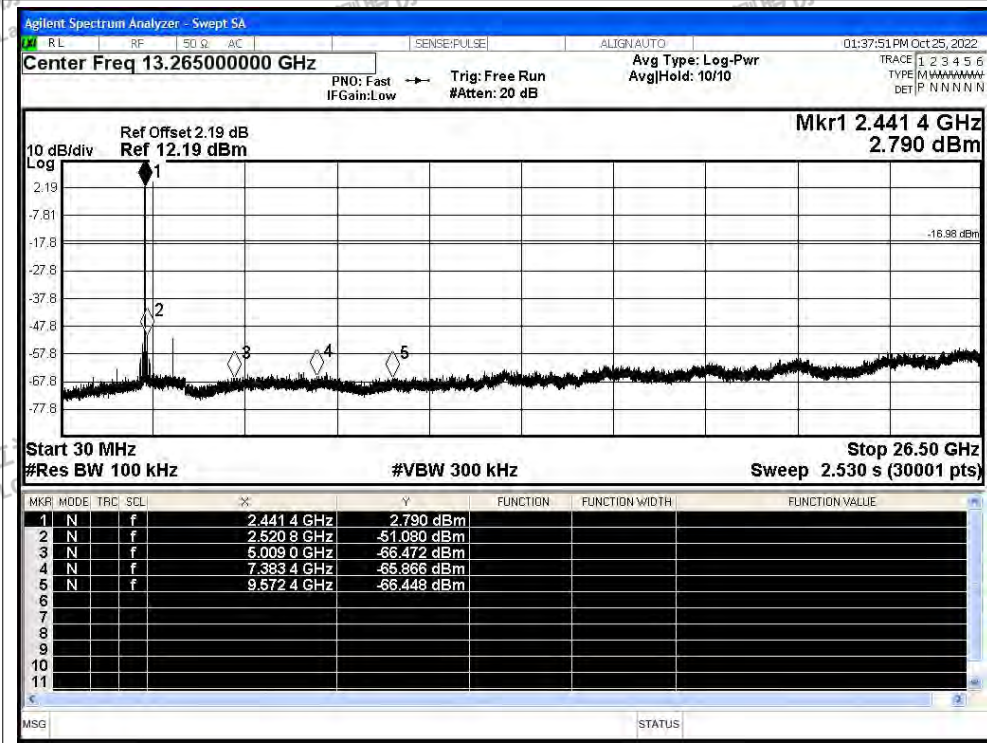




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

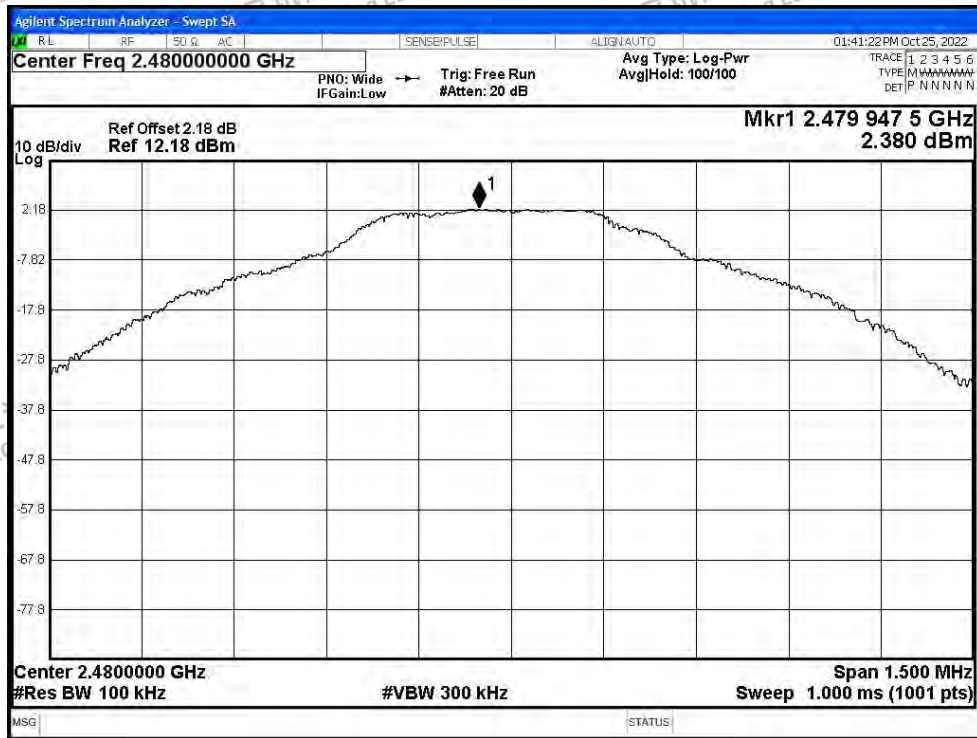


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

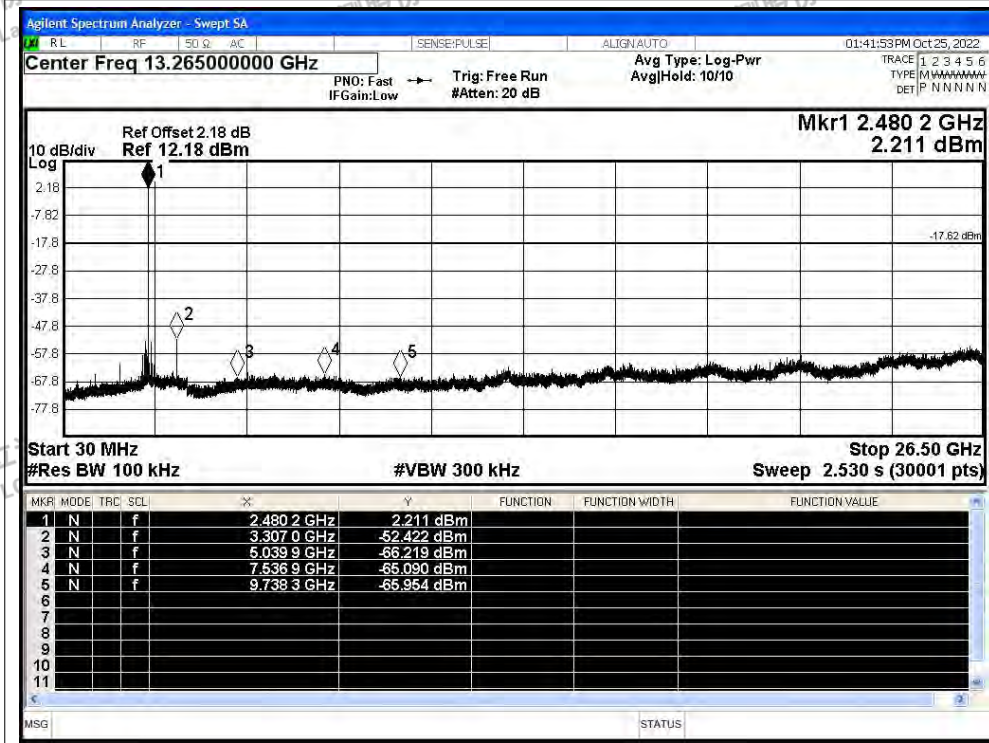




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

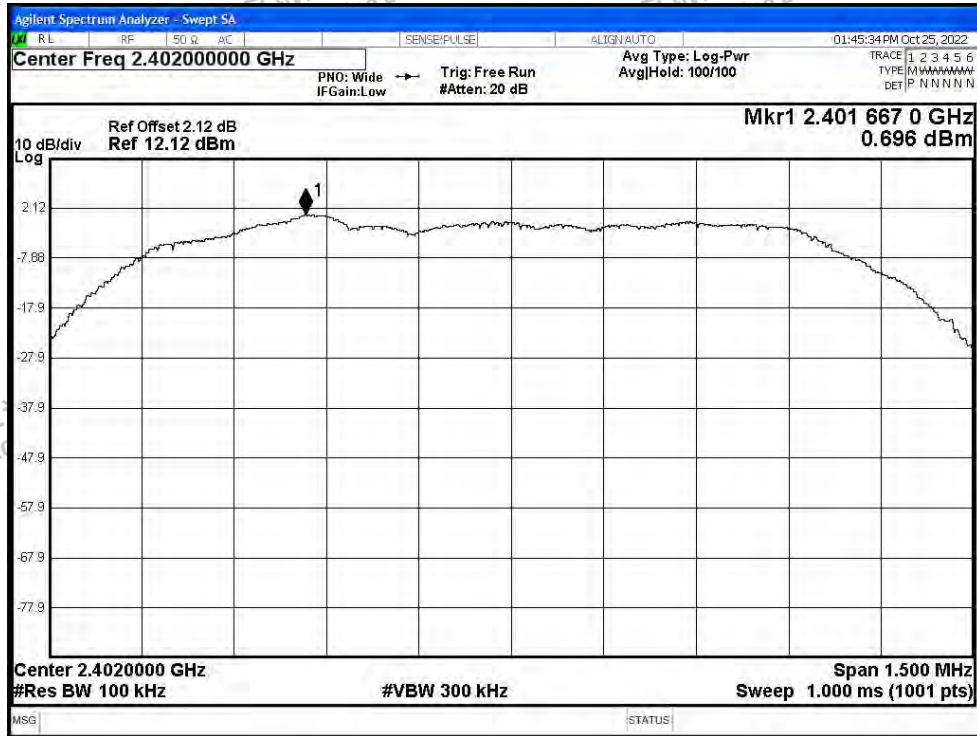


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

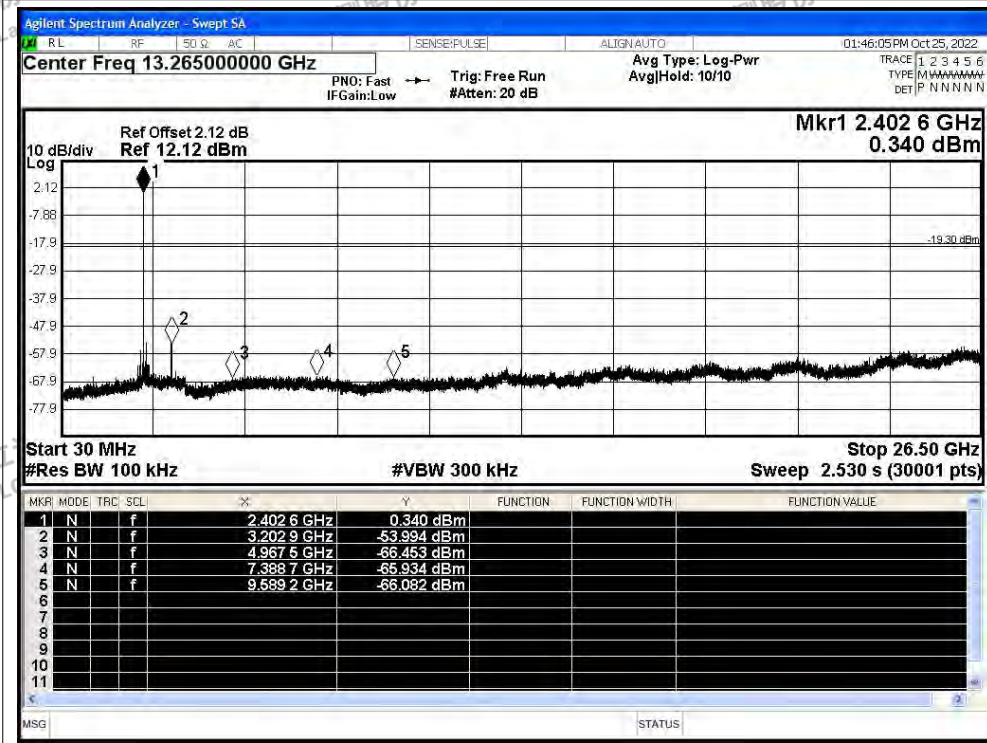




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

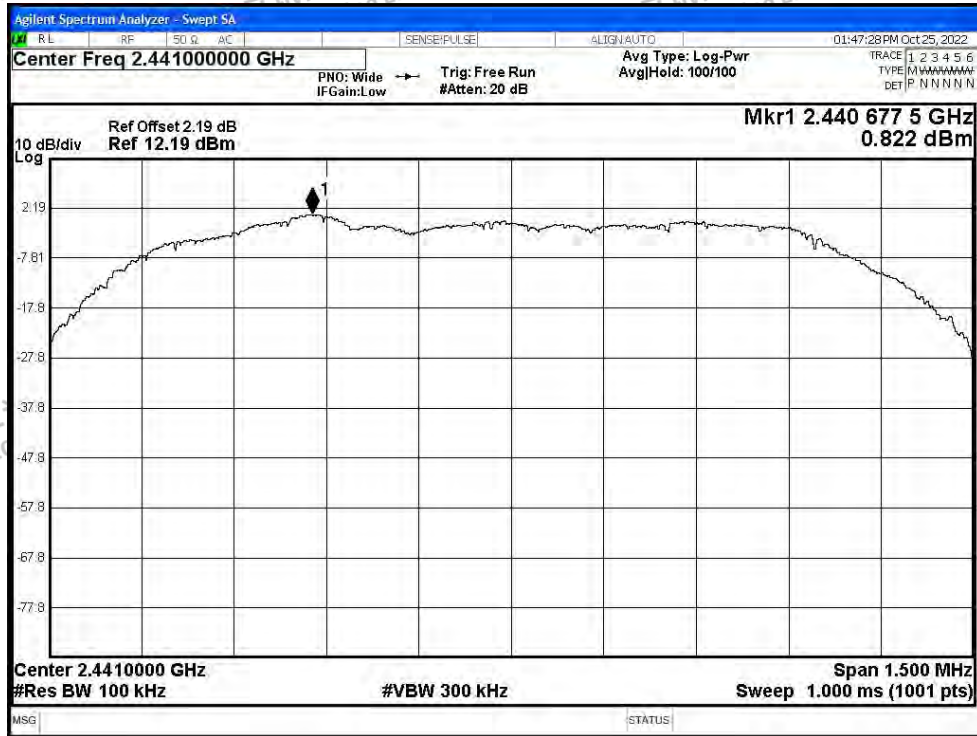


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

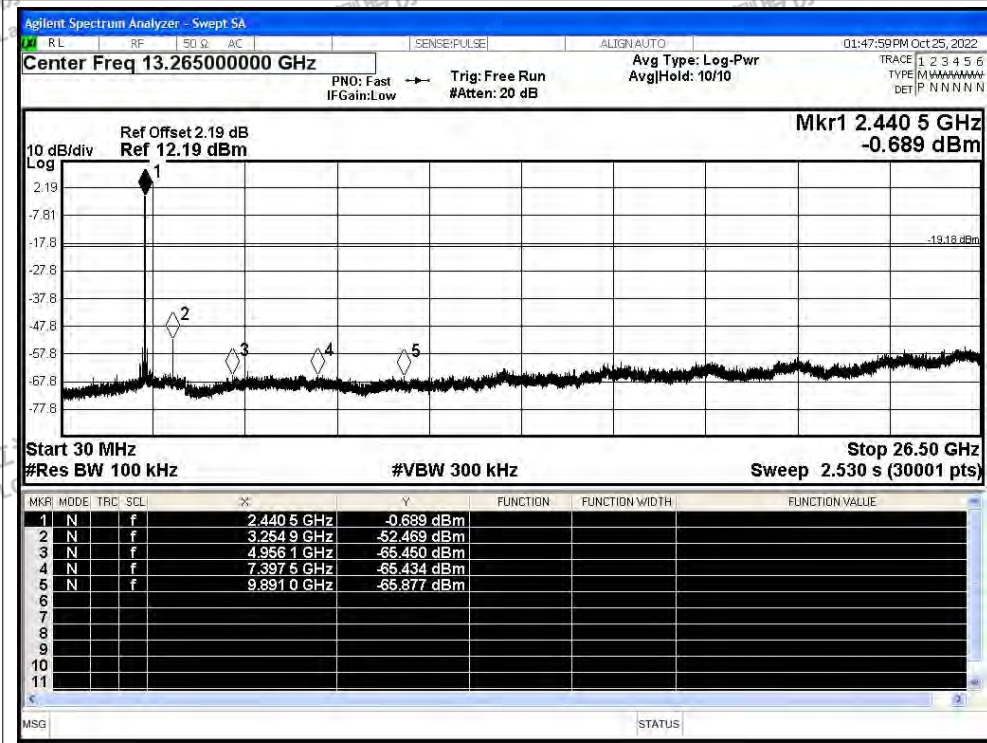




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

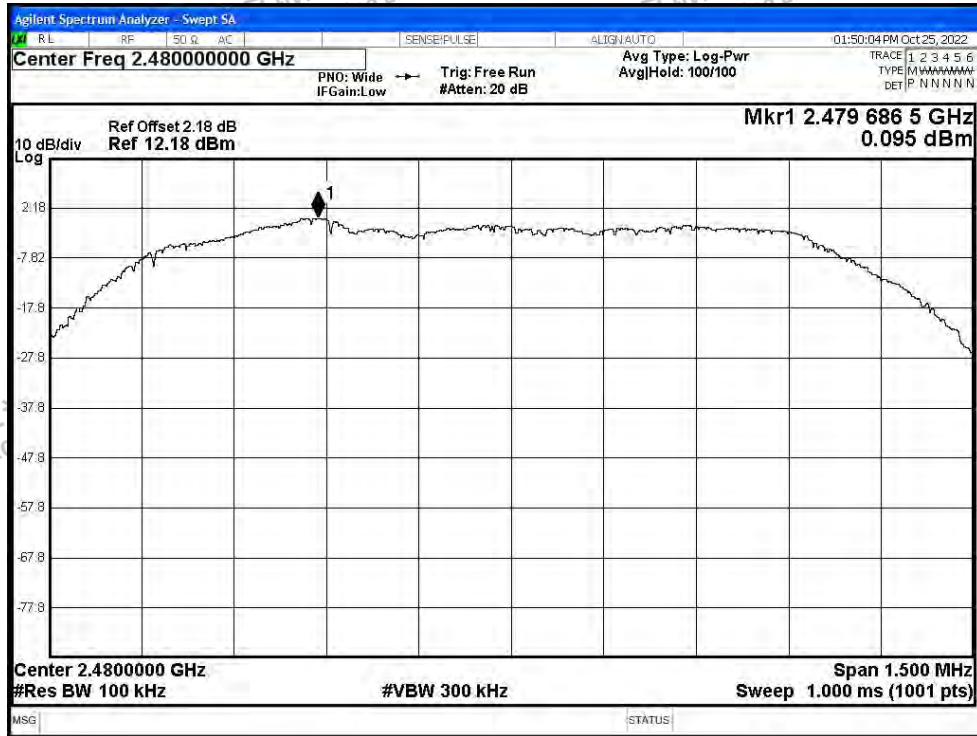


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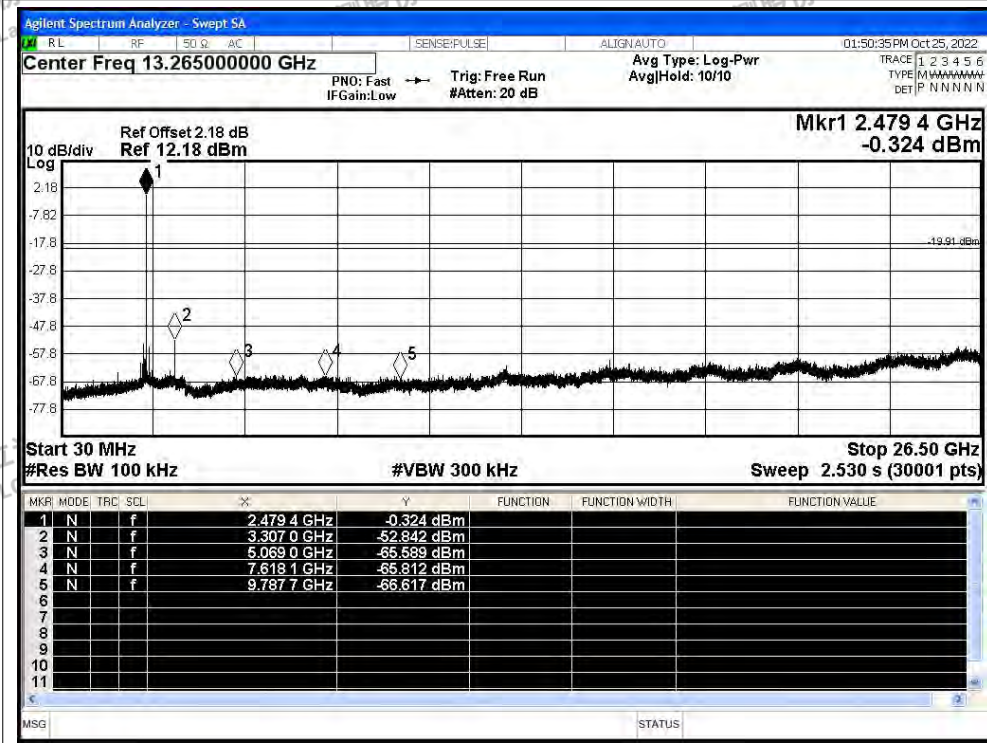




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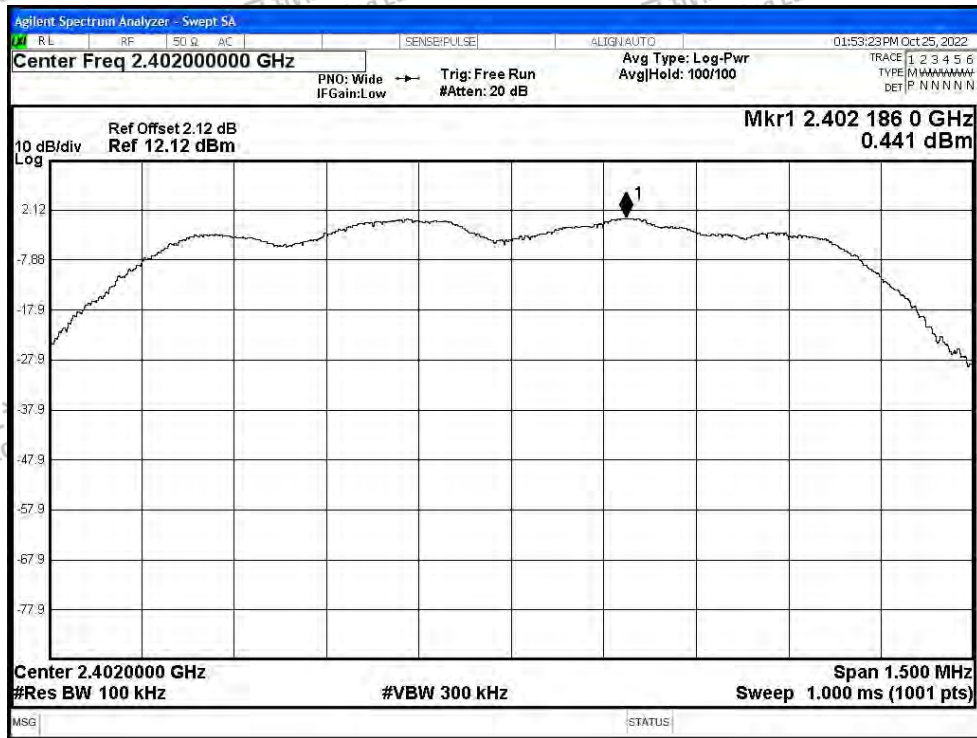


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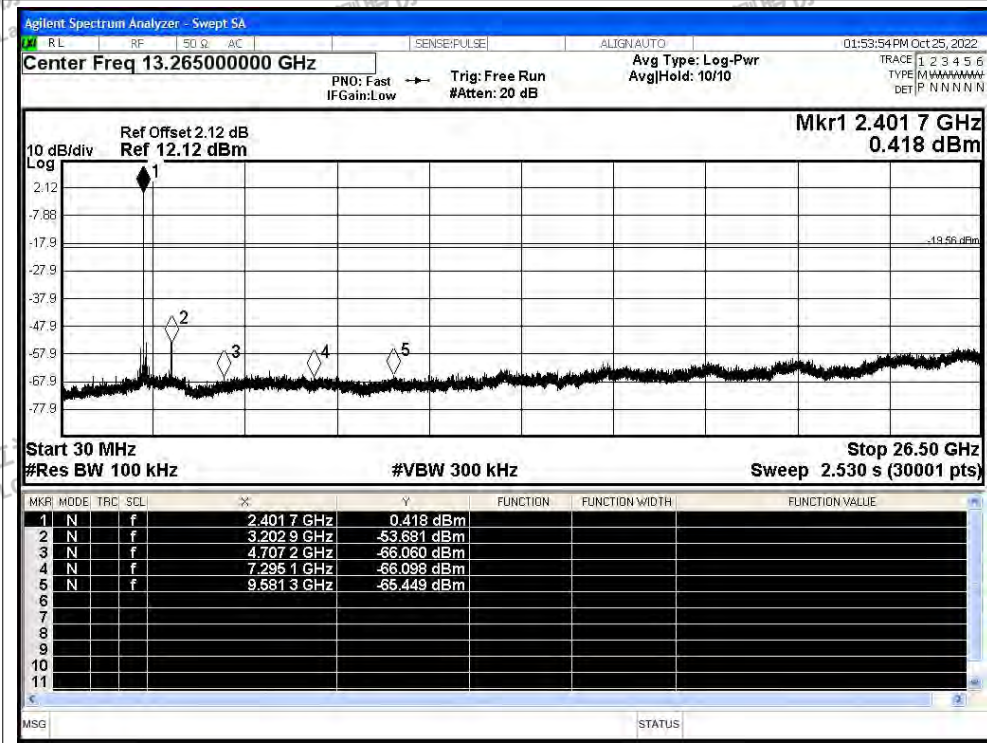




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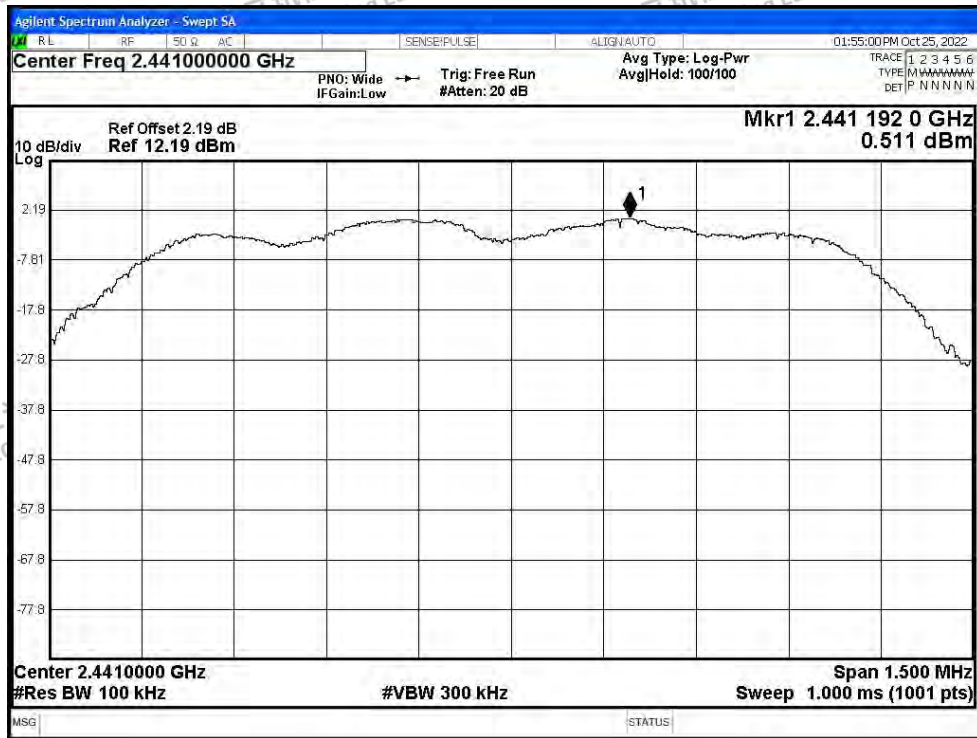


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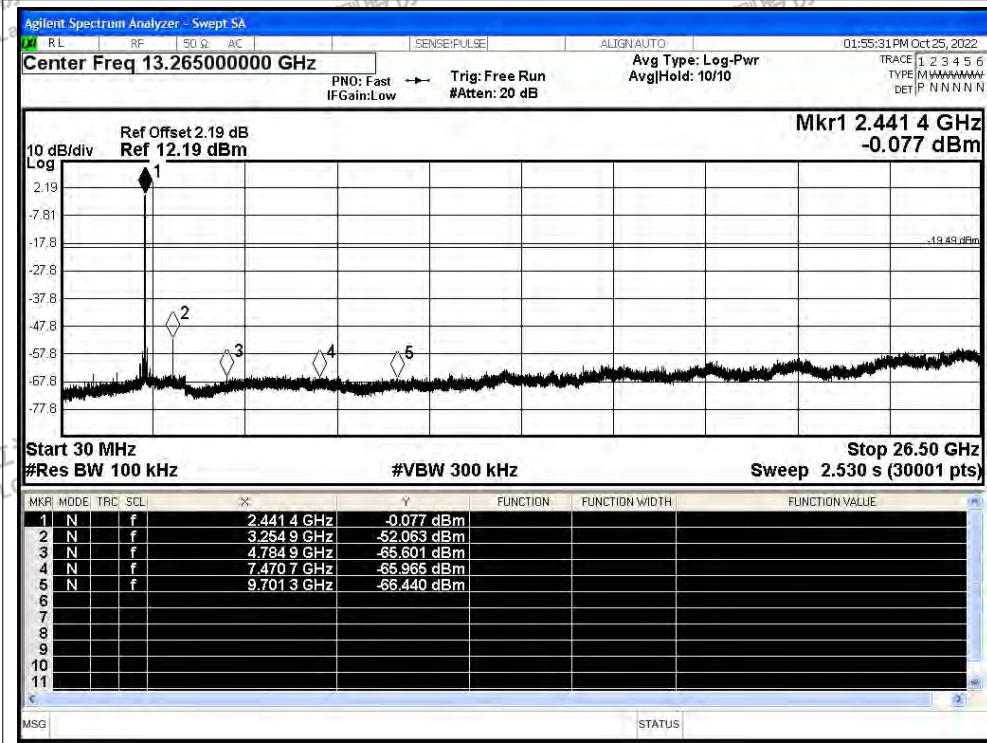




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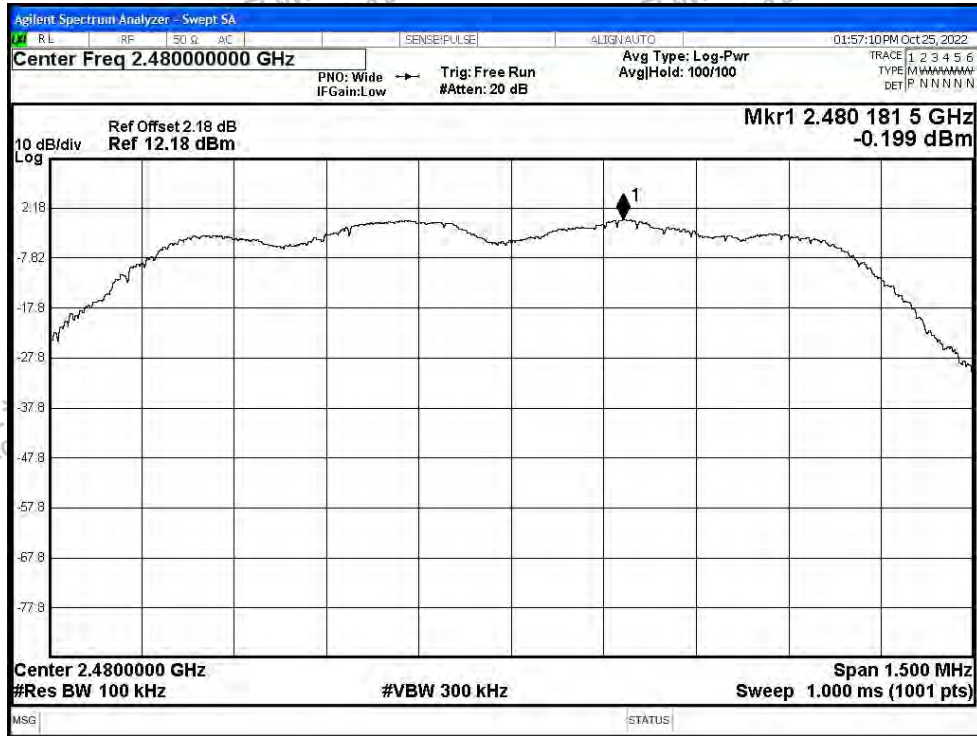


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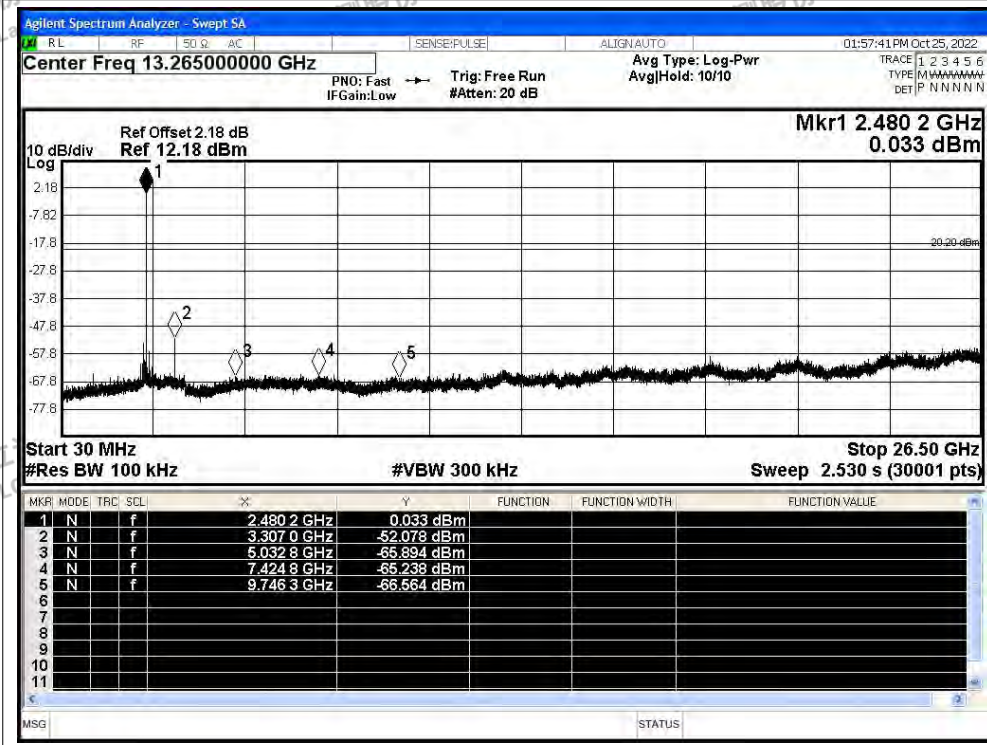




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





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	-50.37	2	46.89	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.15	2	37.11	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2321.808	-45.17	2	52.09	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2322	-52.74	2	44.52	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.48	2	47.78	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.72	2	37.54	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-46.25	2	51.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.44	2	38.82	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-46.25	2	51.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.56	-58.35	2	38.91	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.25	2	47.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.44	2	37.82	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.98	2	45.28	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.32	2	36.94	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2322.192	-45.37	2	51.89	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2322	-54.04	2	43.22	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.39	2	46.87	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.55	2	37.71	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.79	2	48.47	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-58.33	2	38.93	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2499.328	-46.86	2	50.4	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-58.33	2	38.93	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.52	2	46.74	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.52	2	37.74	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.37	2	46.89	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.21	2	37.05	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2322.096	-46.07	2	51.19	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2322.096	-54.31	2	42.95	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-48.85	2	48.41	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.63	2	37.63	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-47.93	2	49.33	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-58.12	2	39.14	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2498.776	-47.07	2	50.19	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-58.12	2	39.14	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.93	2	47.33	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.6	2	37.66	Average	54	Pass

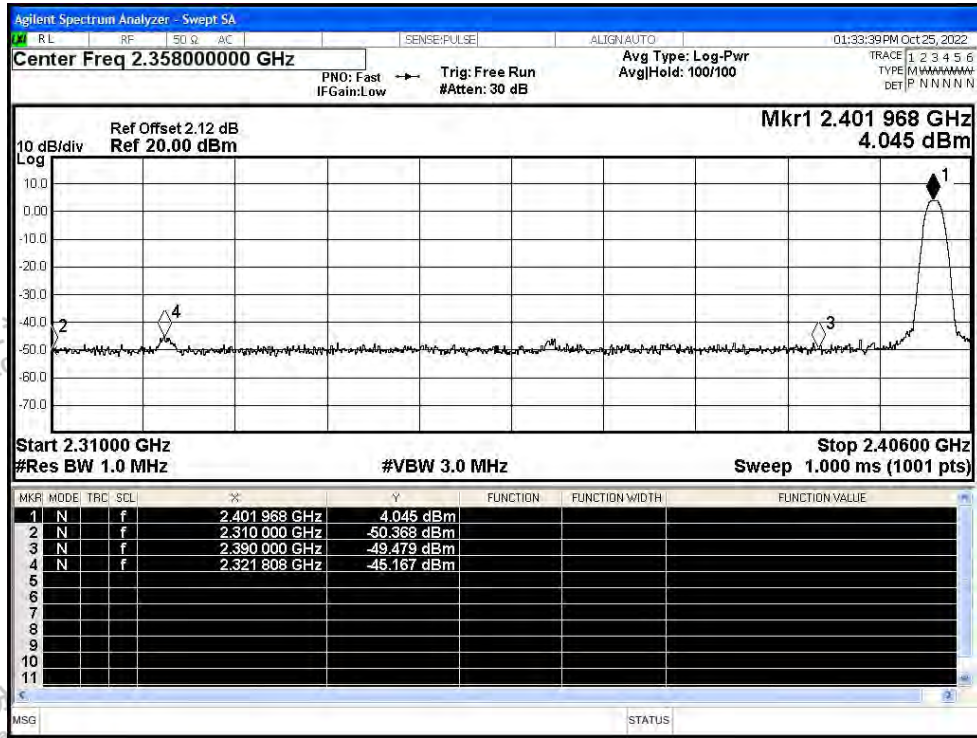


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 Scan code to check authenticity

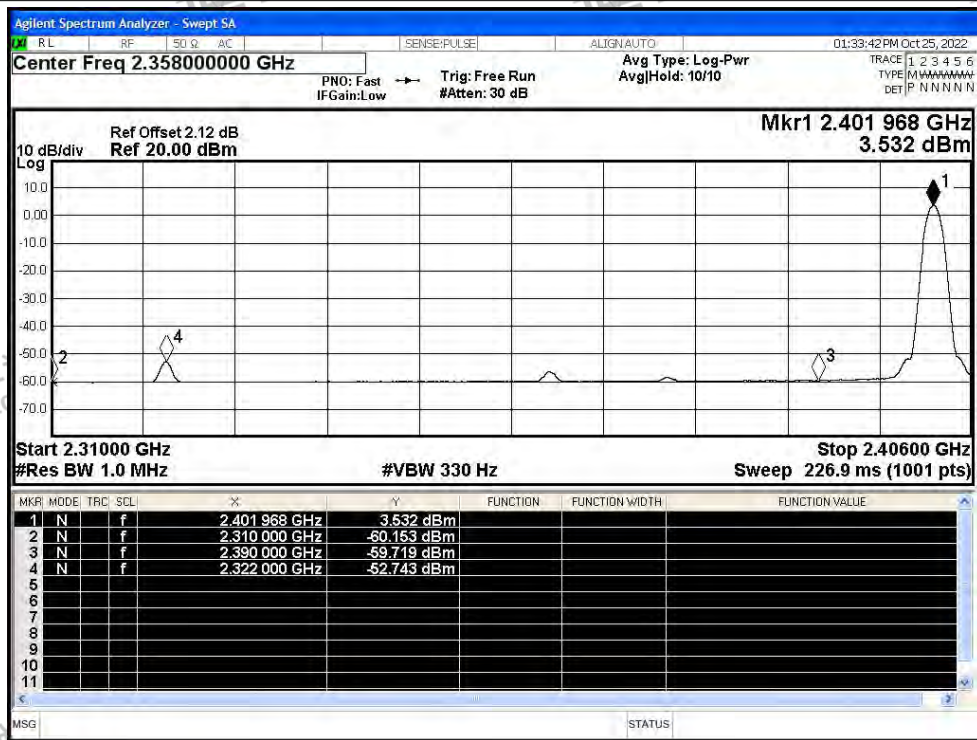


Test Graphs

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

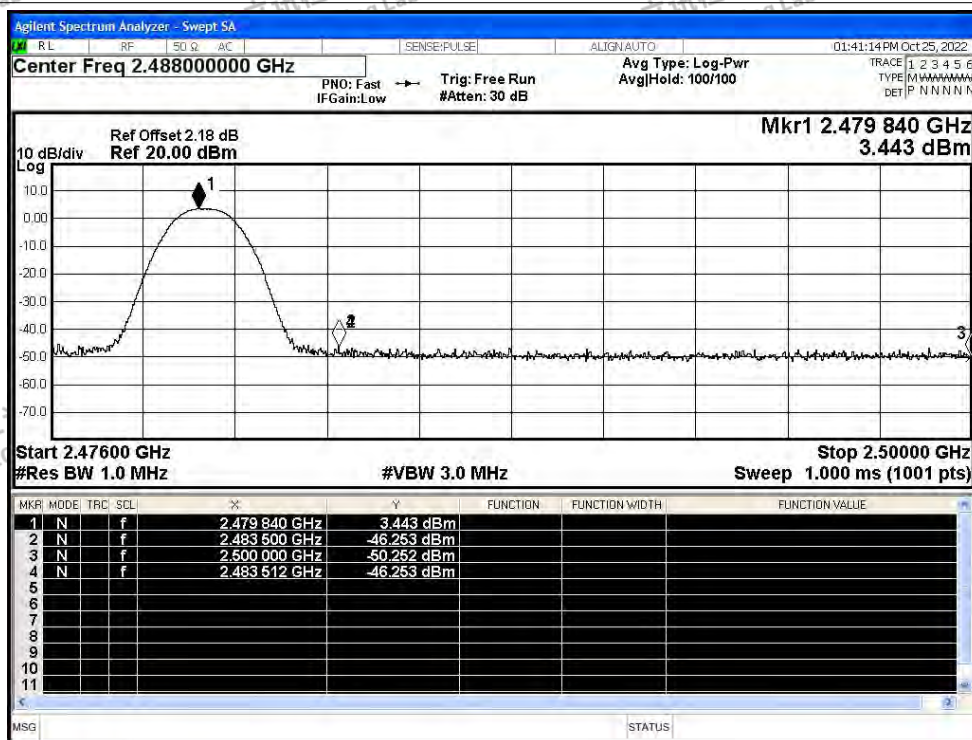


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

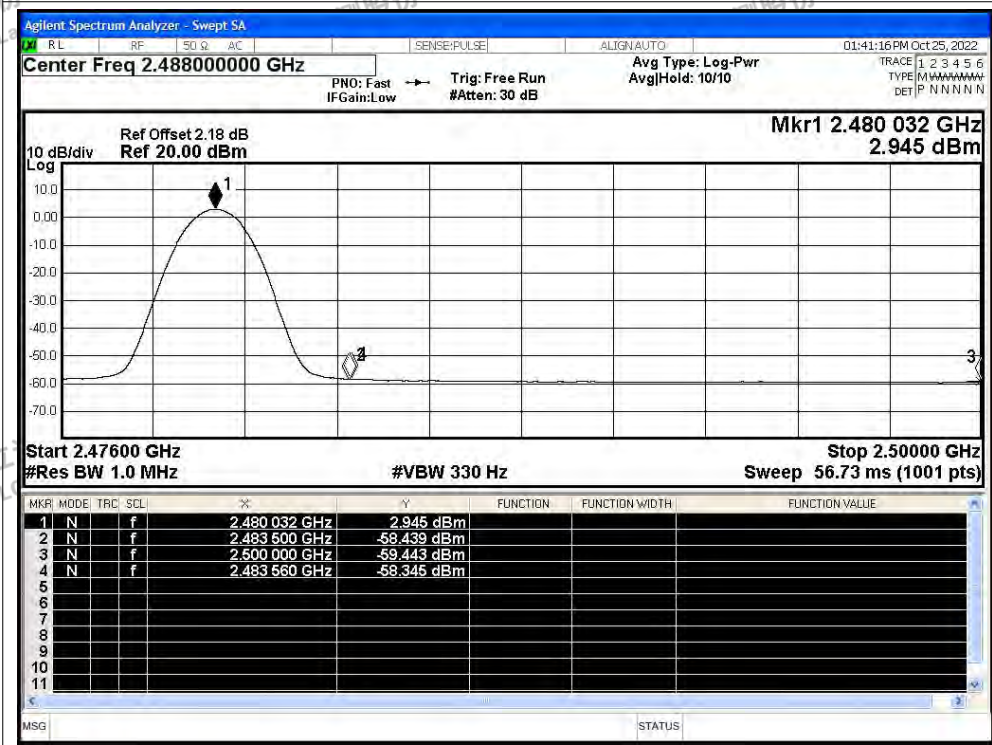




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

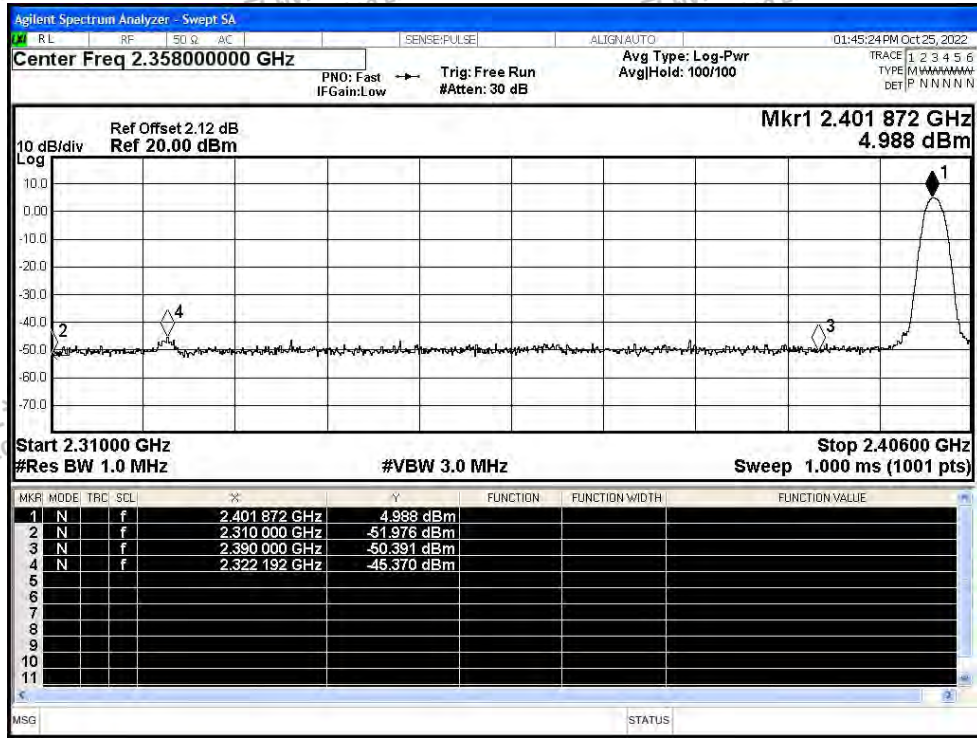


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

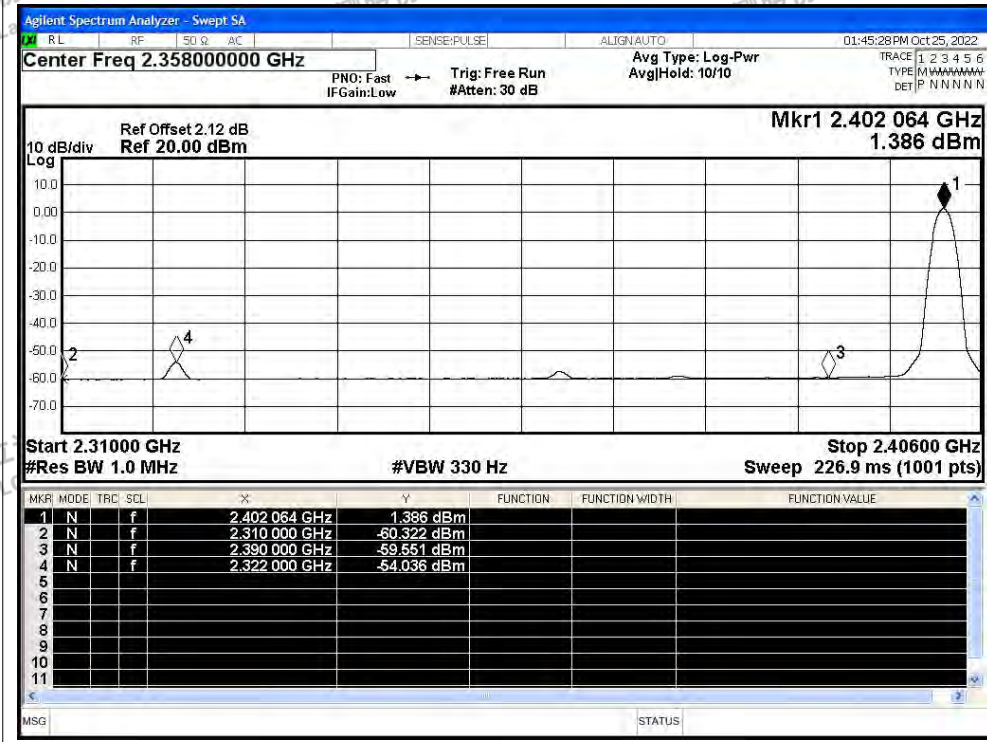




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

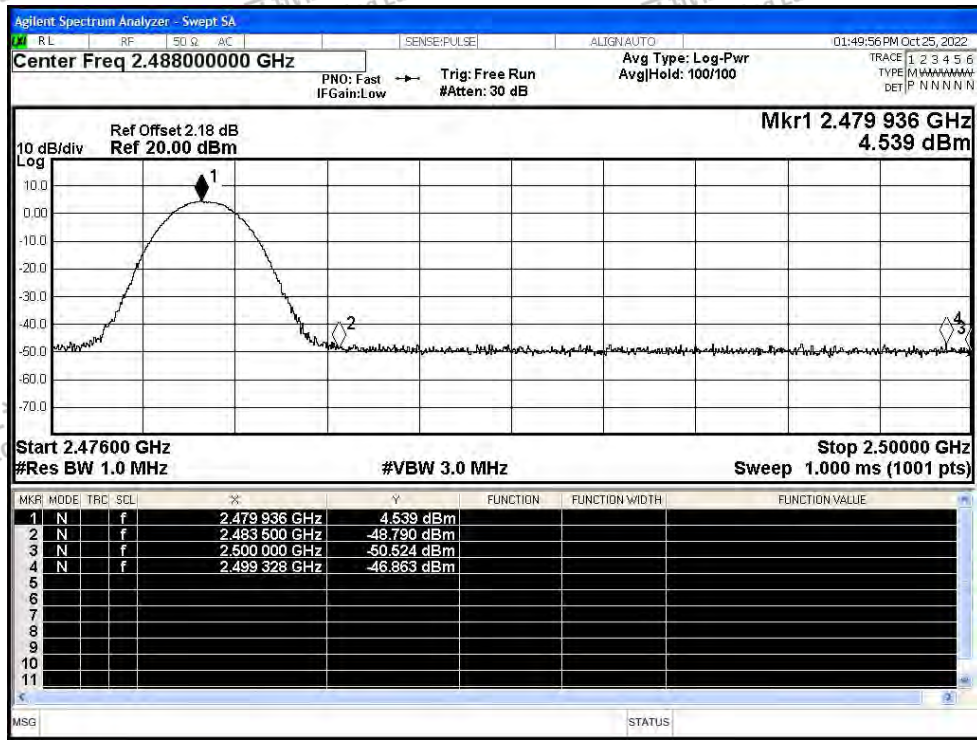


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

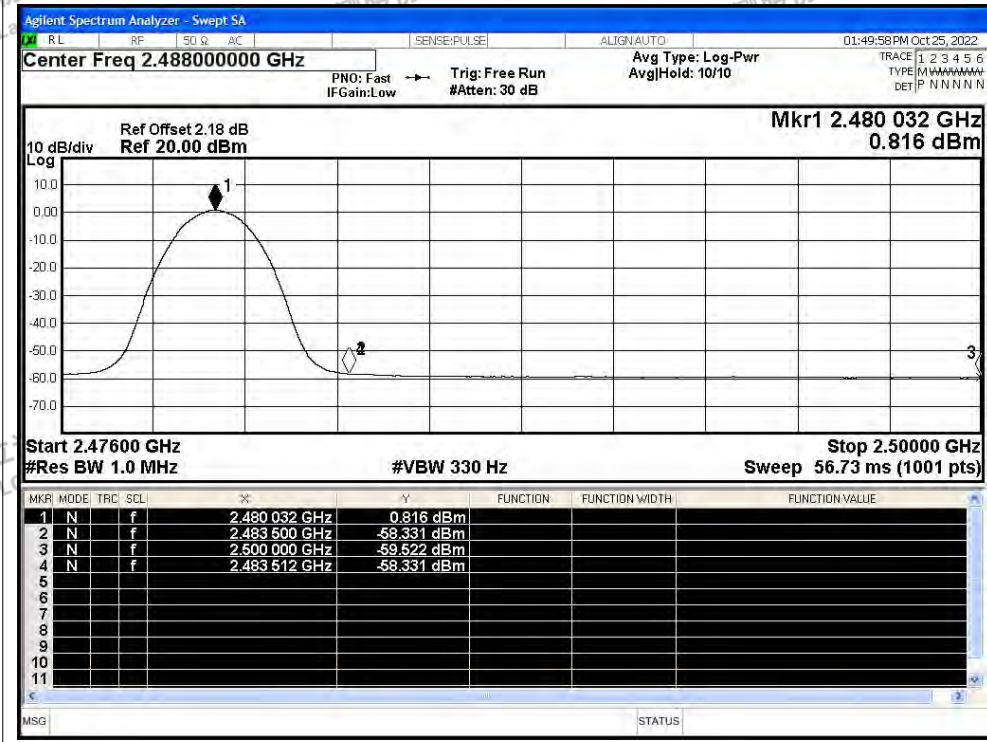




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

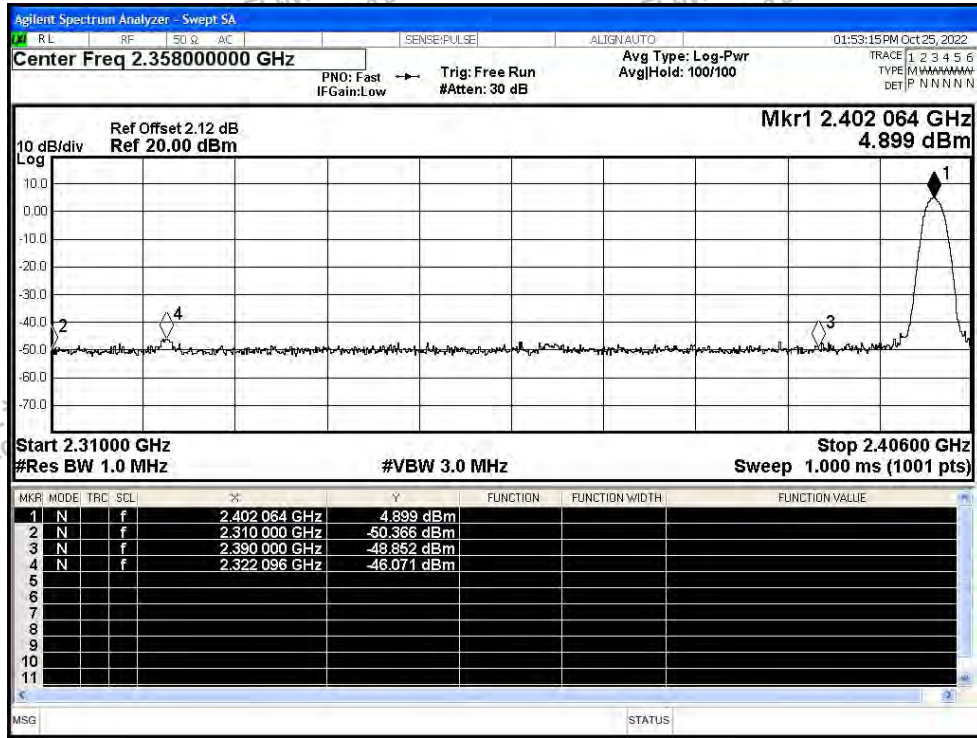


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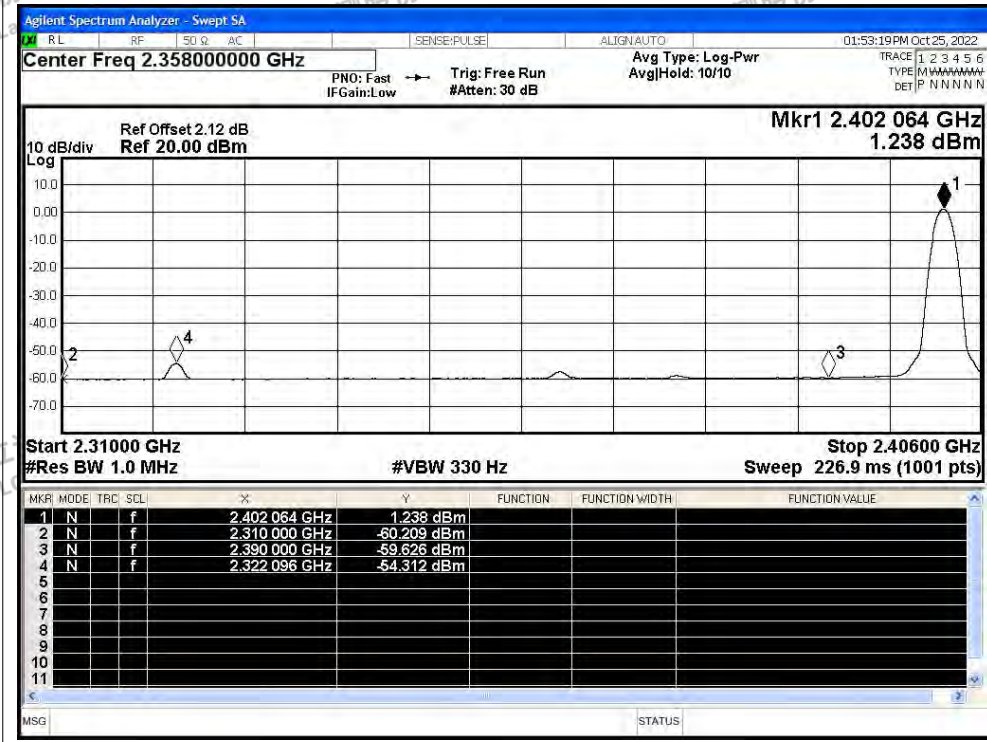




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

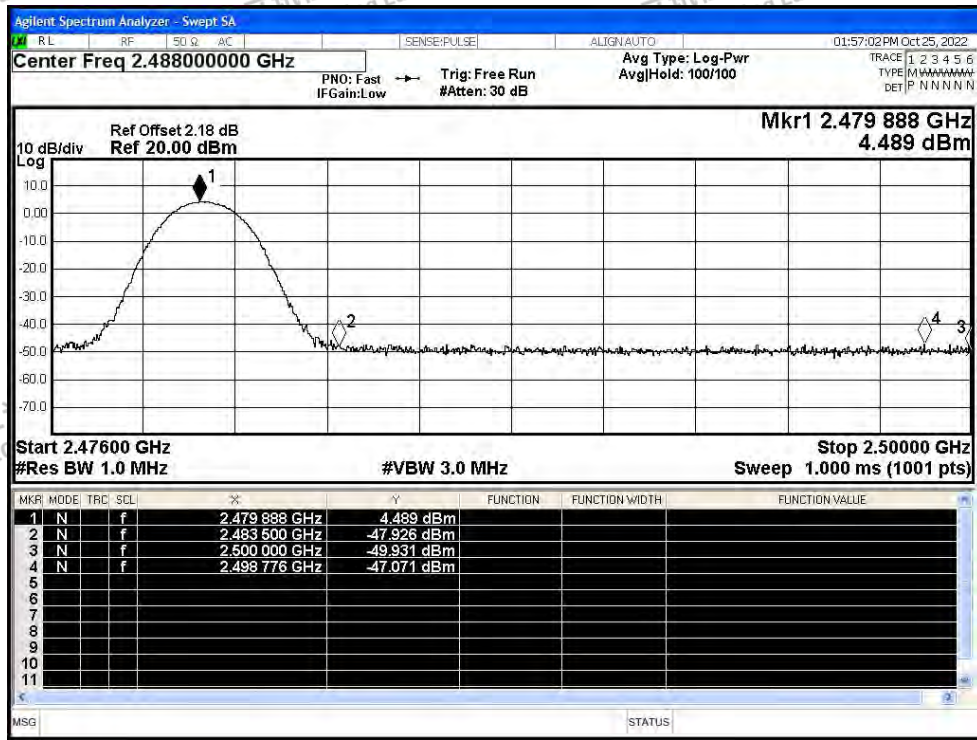


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

