



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: DARTH VADER SPEAKER

Test Model: STDS01

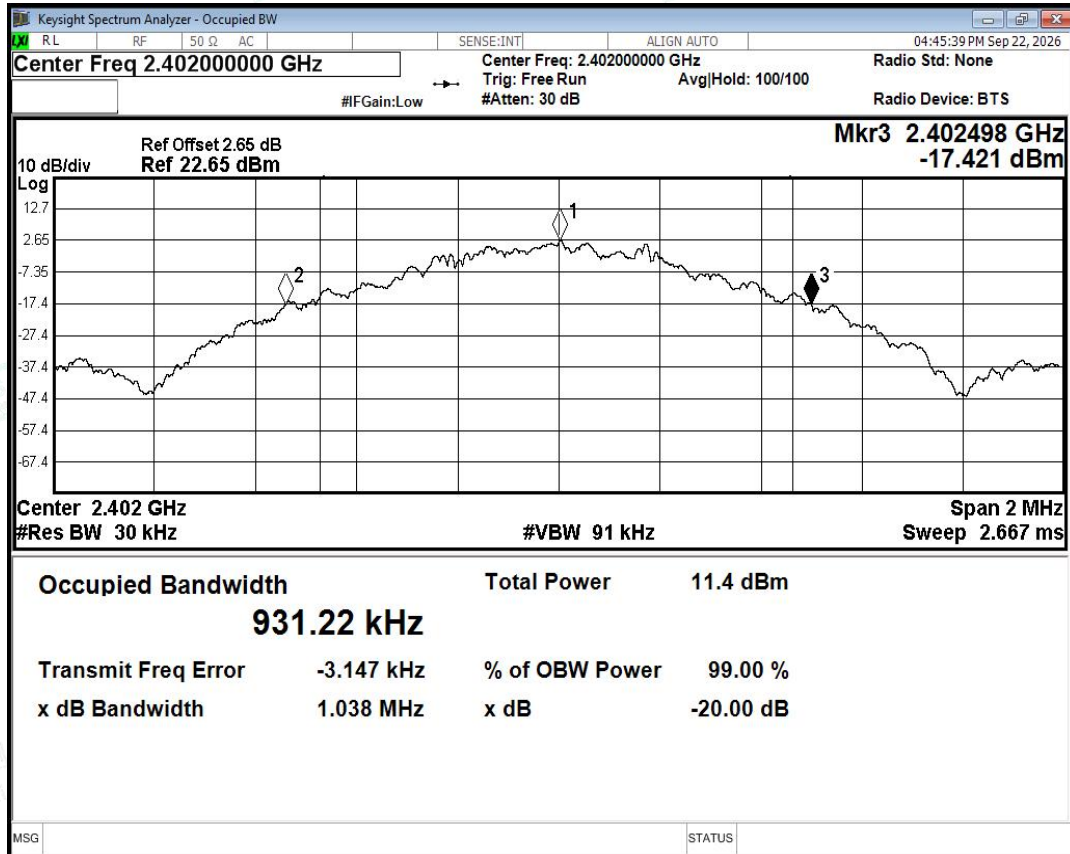
Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

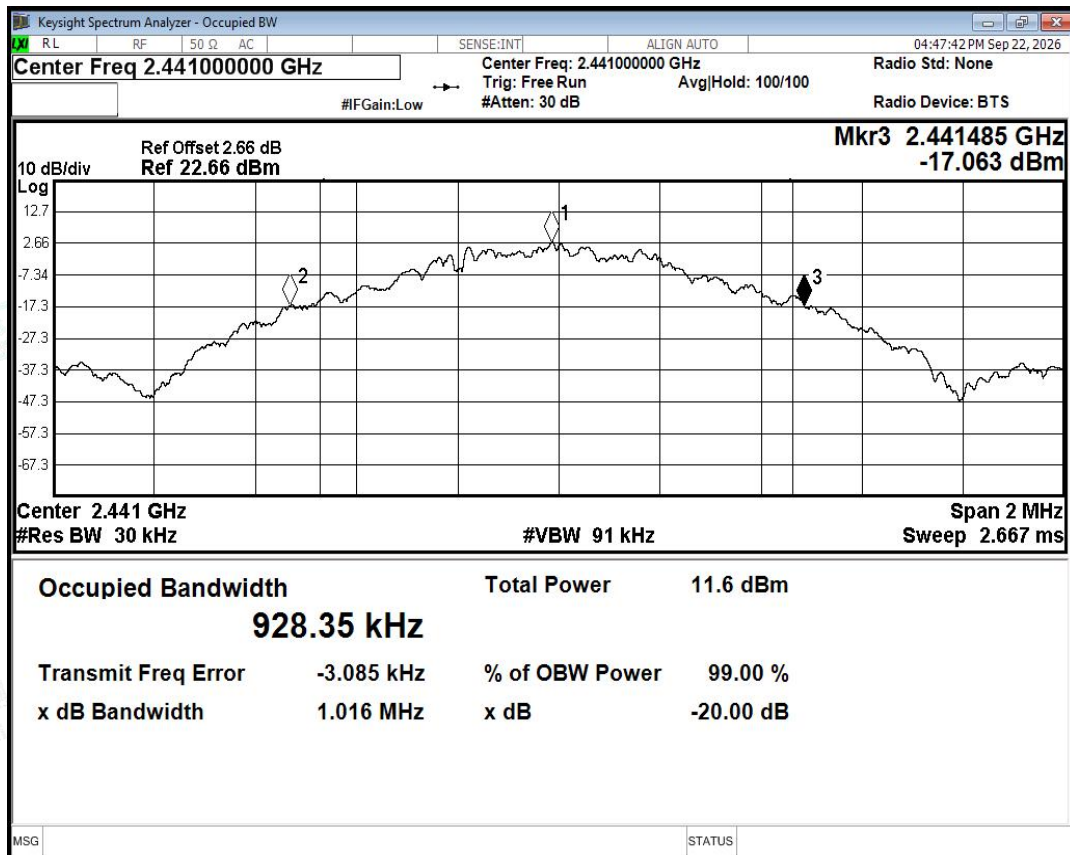


A.1-20dB Bandwidth

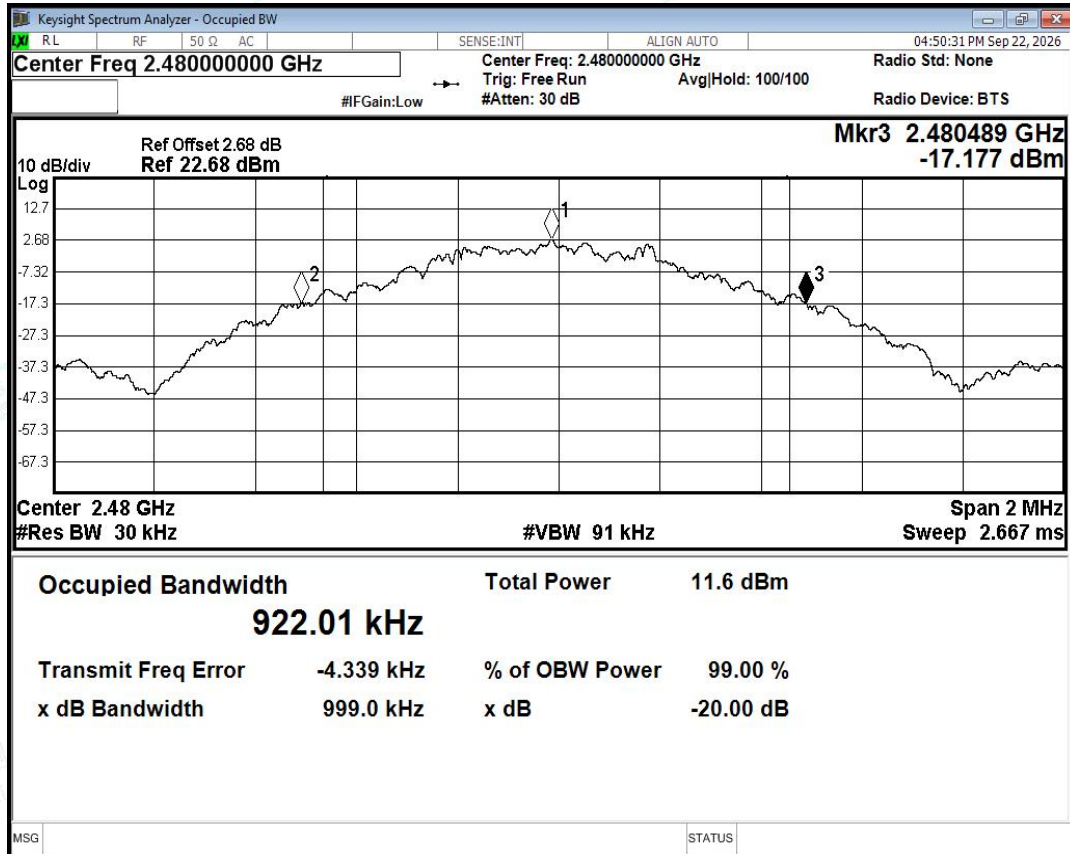
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.038	/	Pass
NVNT	1-DH5	2441	Ant1	1.016	/	Pass
NVNT	1-DH5	2480	Ant1	0.999	/	Pass
NVNT	2-DH5	2402	Ant1	1.199	/	Pass
NVNT	2-DH5	2441	Ant1	1.188	/	Pass
NVNT	2-DH5	2480	Ant1	1.212	/	Pass
NVNT	3-DH5	2402	Ant1	1.236	/	Pass
NVNT	3-DH5	2441	Ant1	1.195	/	Pass
NVNT	3-DH5	2480	Ant1	1.26	/	Pass



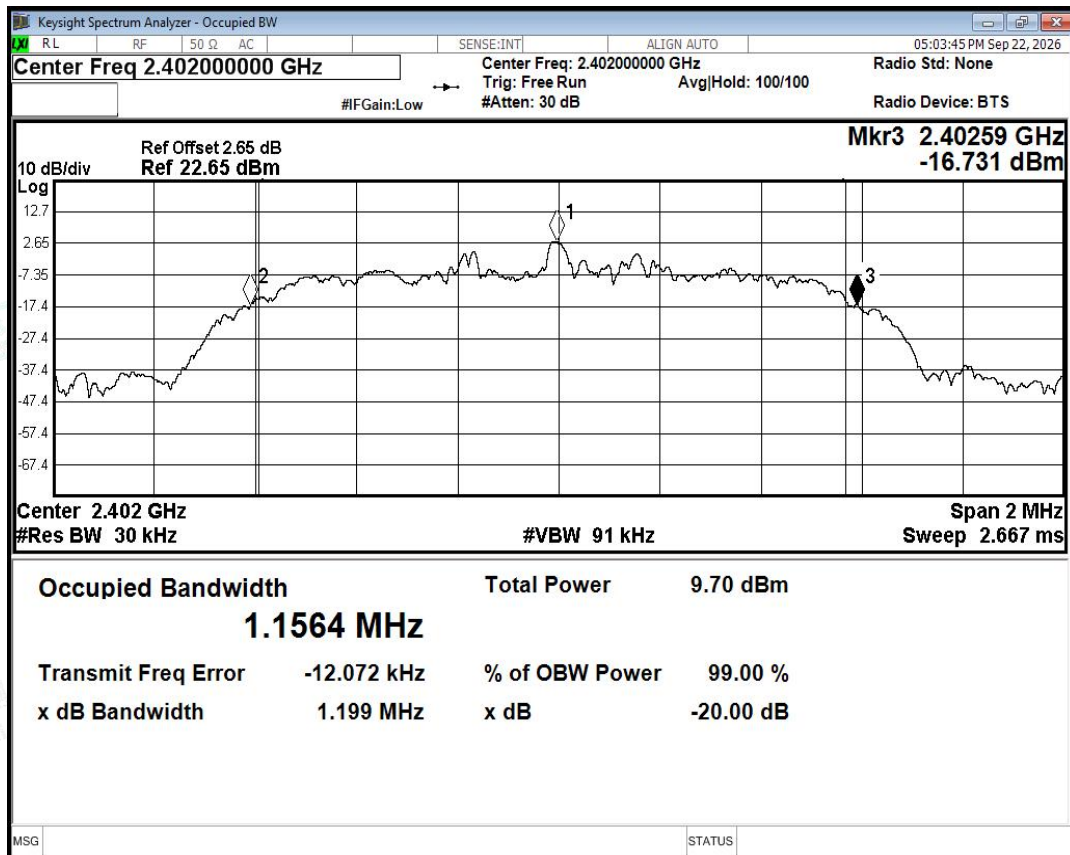
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



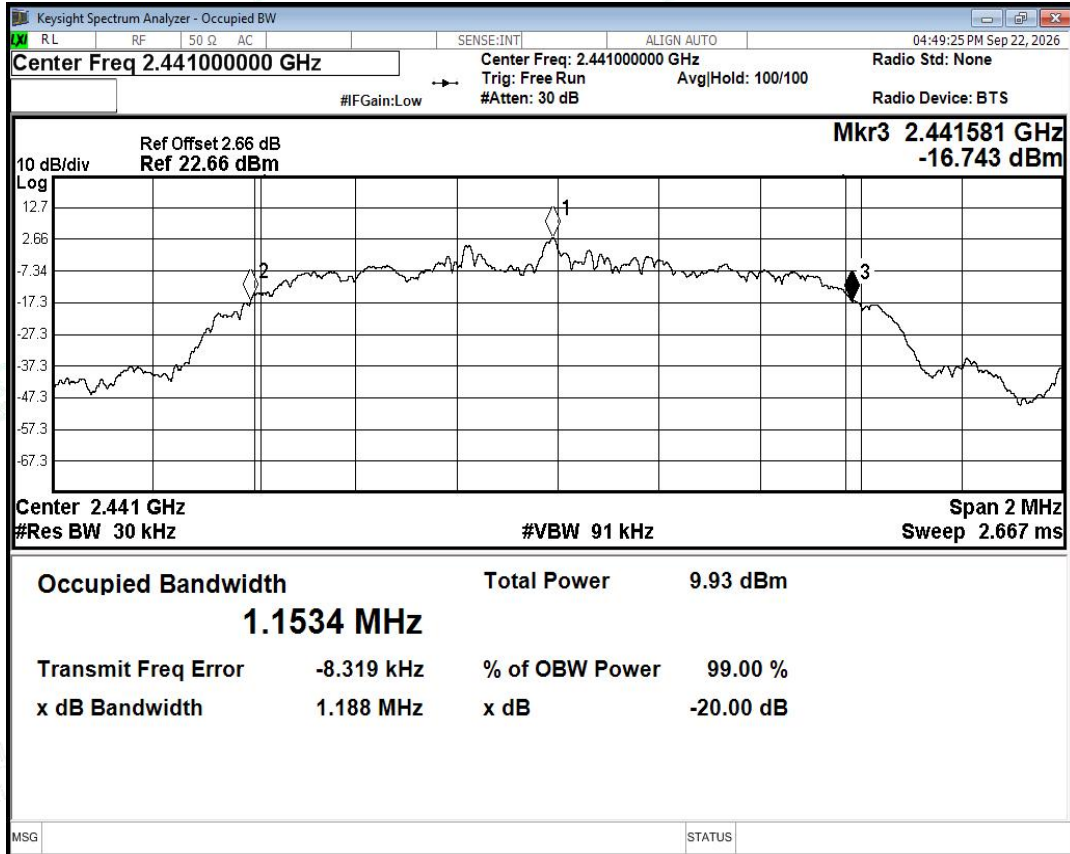
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



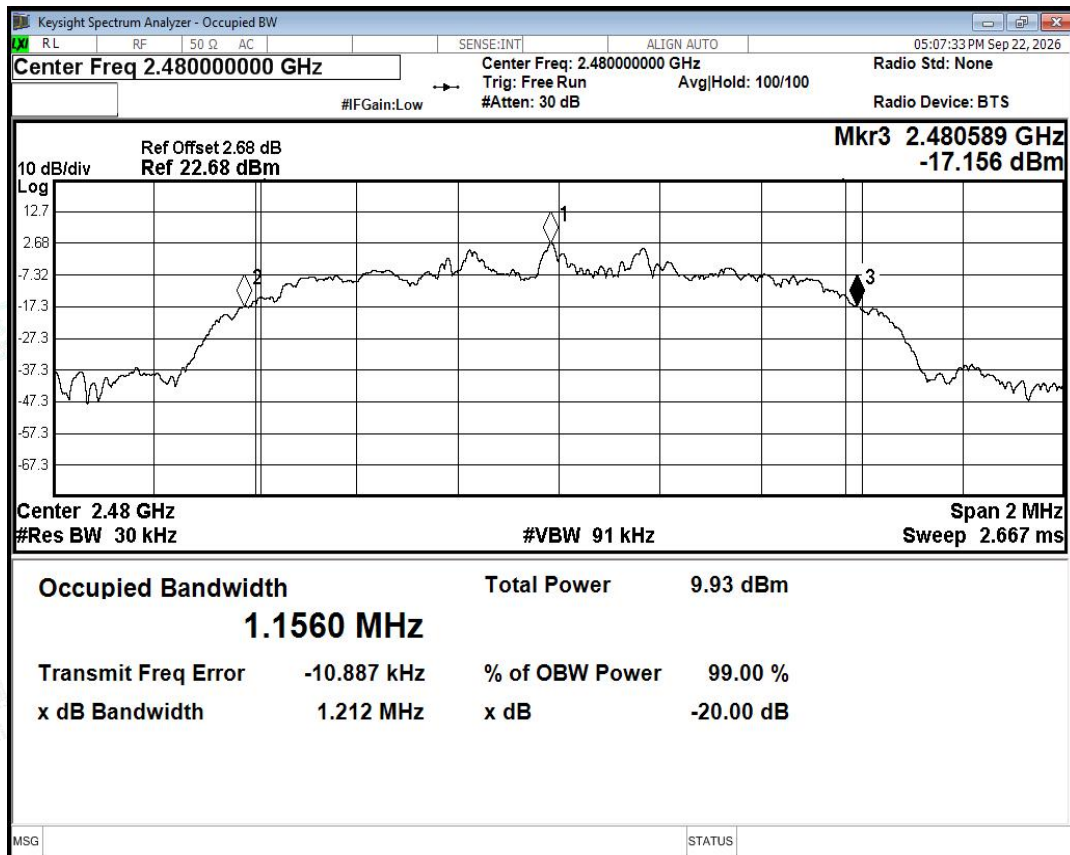
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



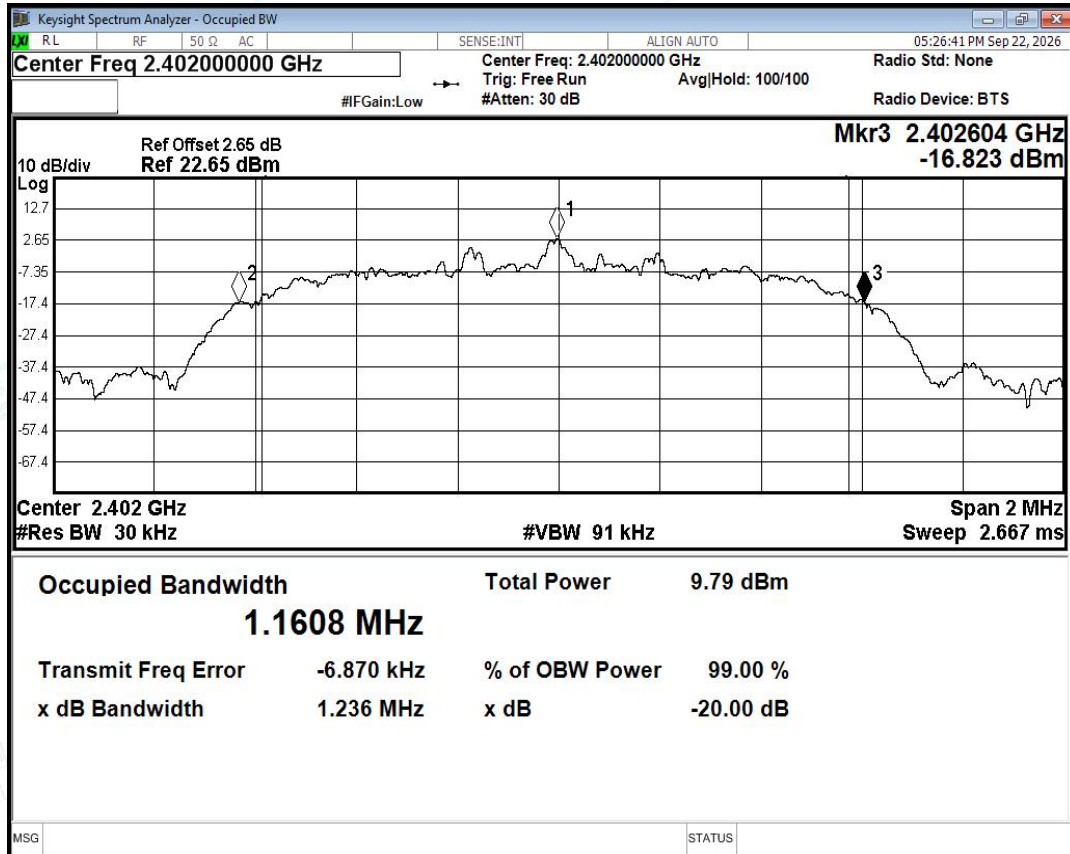
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



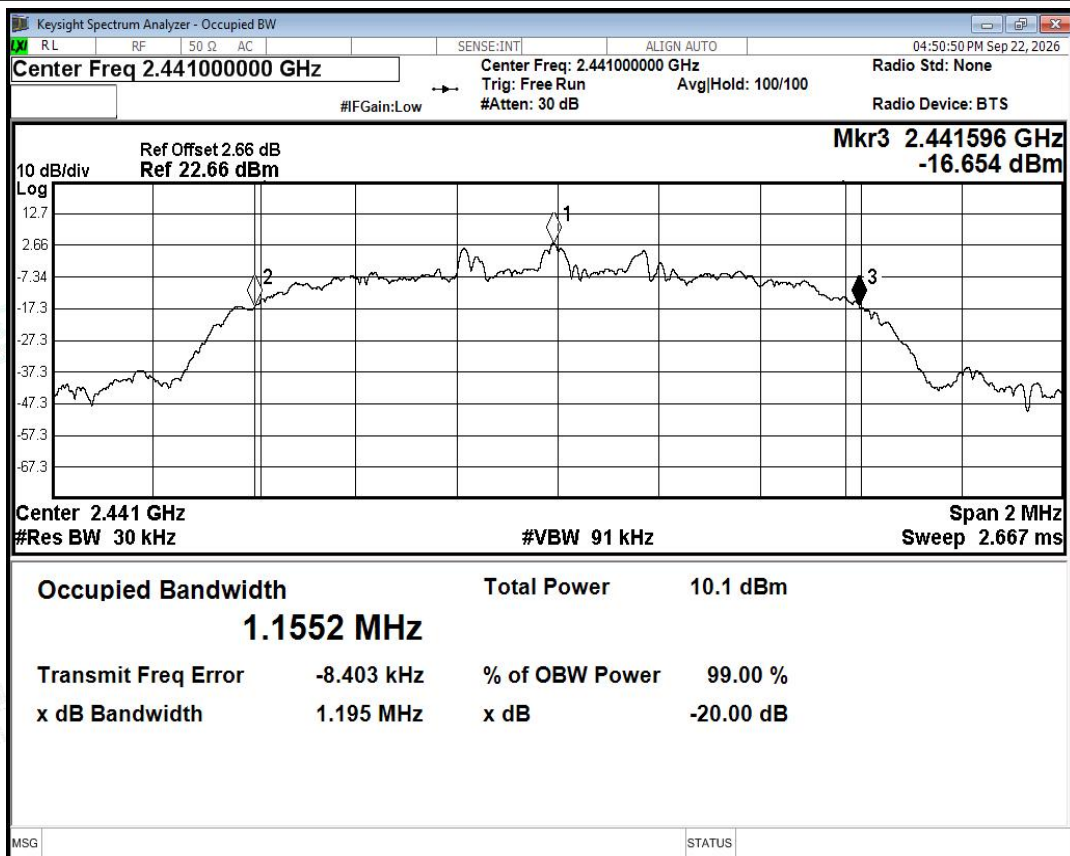
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



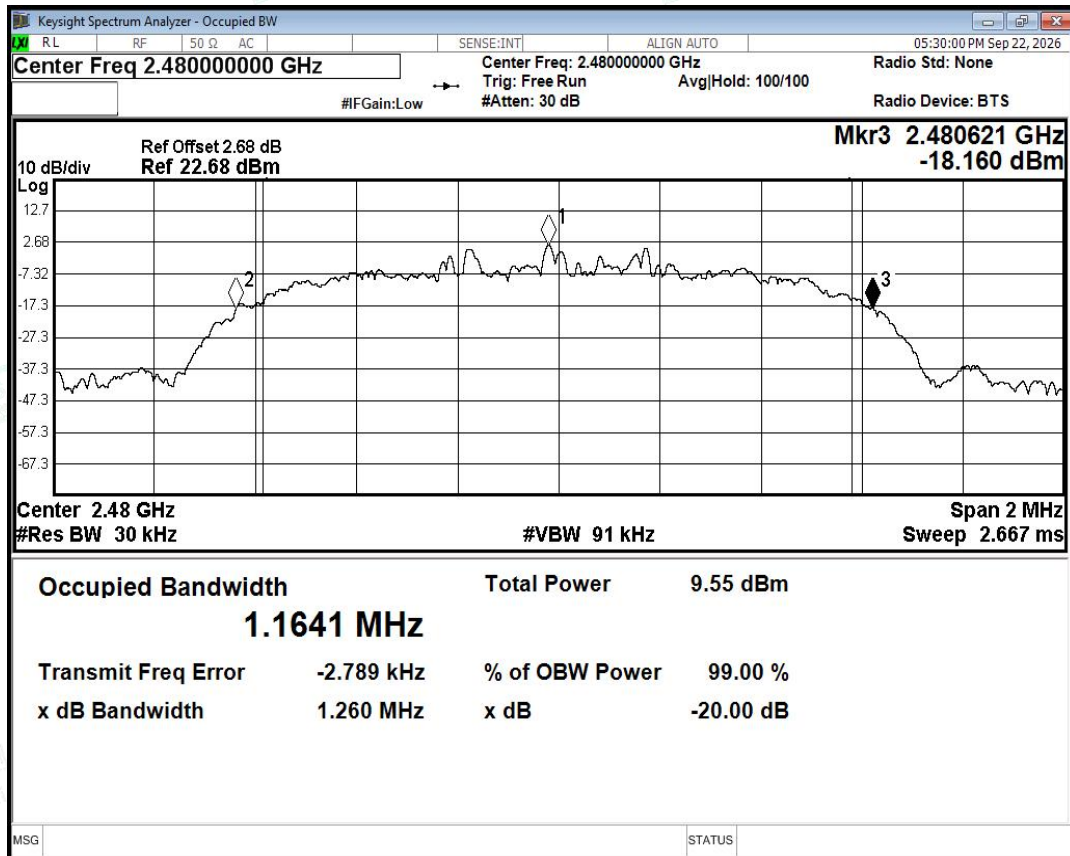
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1

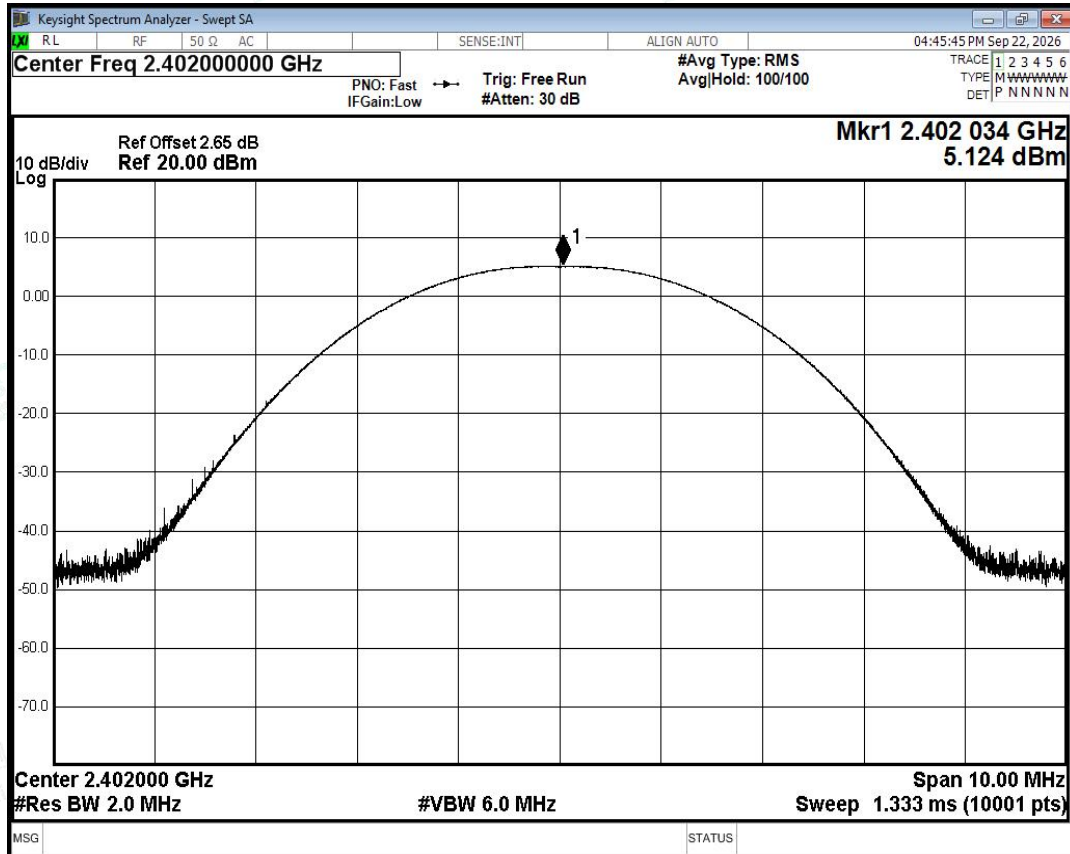


-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

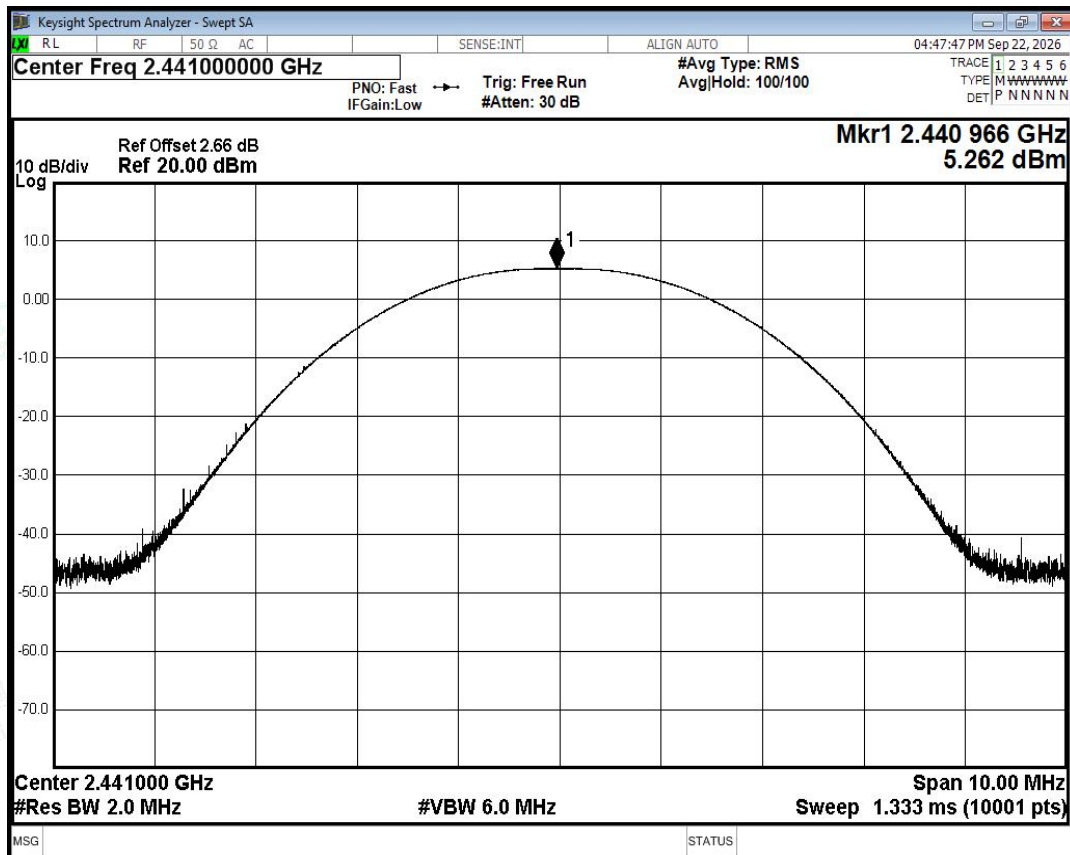


A.2 Maximum Peak Conducted Output Power

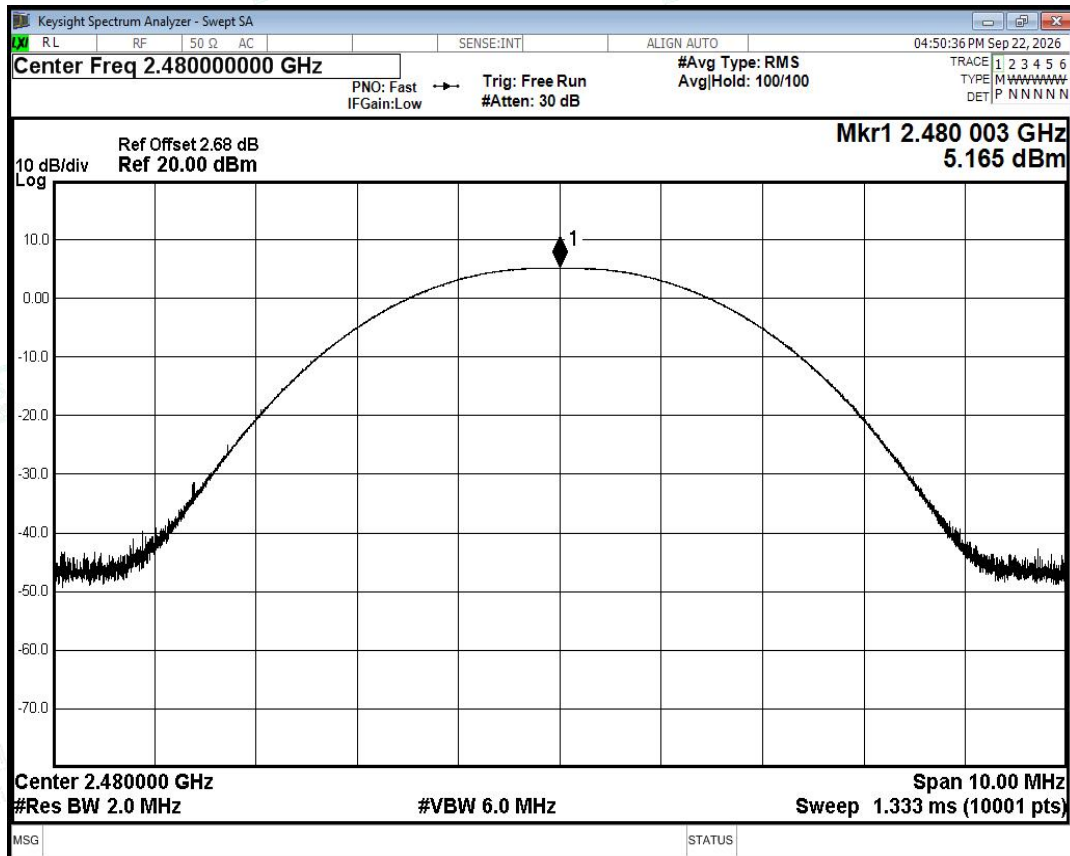
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	1-DH5	2402	Ant1	5.12	30	Pass
NVNT	1-DH5	2441	Ant1	5.26	30	Pass
NVNT	1-DH5	2480	Ant1	5.17	30	Pass
NVNT	2-DH5	2402	Ant1	5.08	30	Pass
NVNT	2-DH5	2441	Ant1	5.18	30	Pass
NVNT	2-DH5	2480	Ant1	5.16	30	Pass
NVNT	3-DH5	2402	Ant1	5.08	30	Pass
NVNT	3-DH5	2441	Ant1	5.15	30	Pass
NVNT	3-DH5	2480	Ant1	5.17	30	Pass



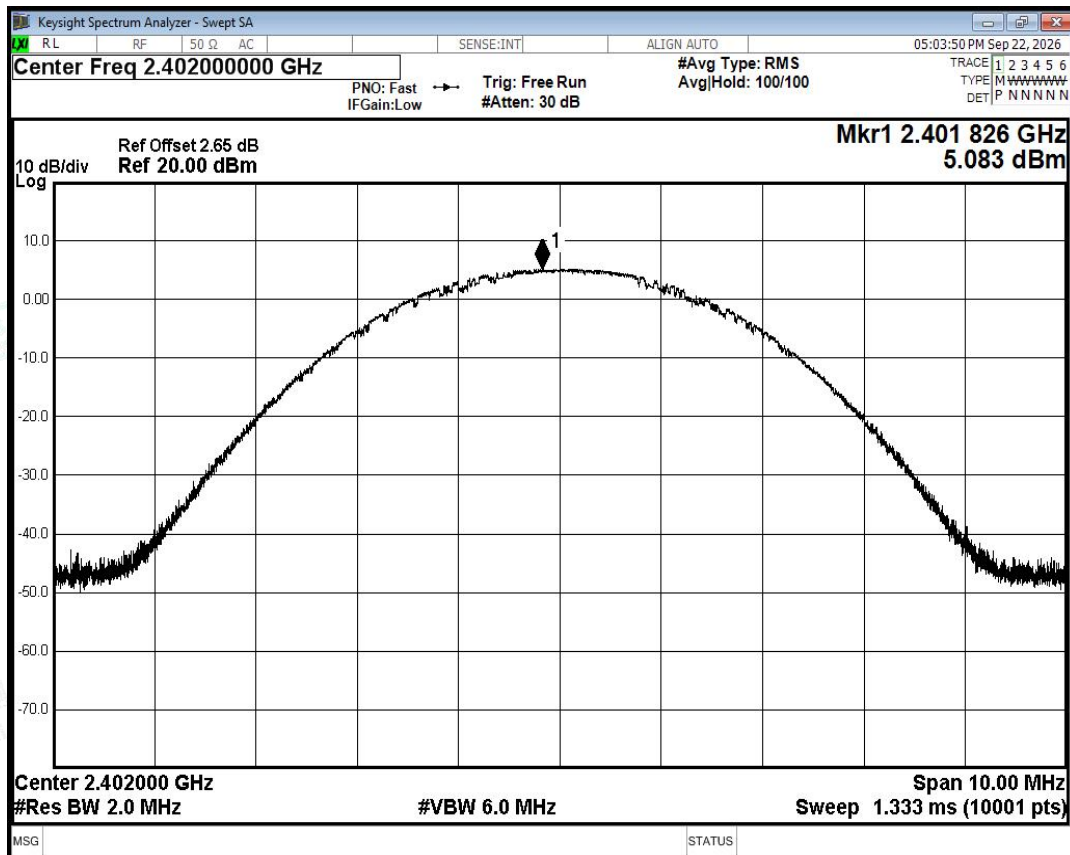
Peak Power NVNT 1-DH5 2402MHz Ant1



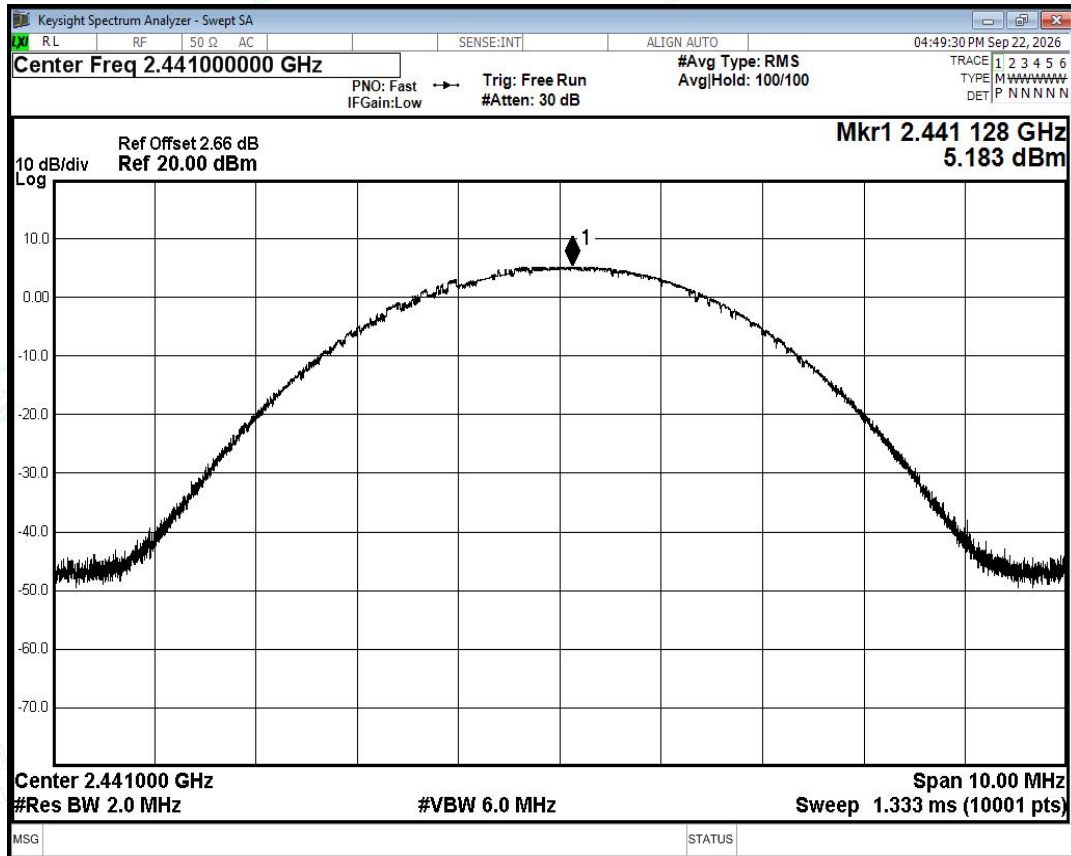
Peak Power NVNT 1-DH5 2441MHz Ant1



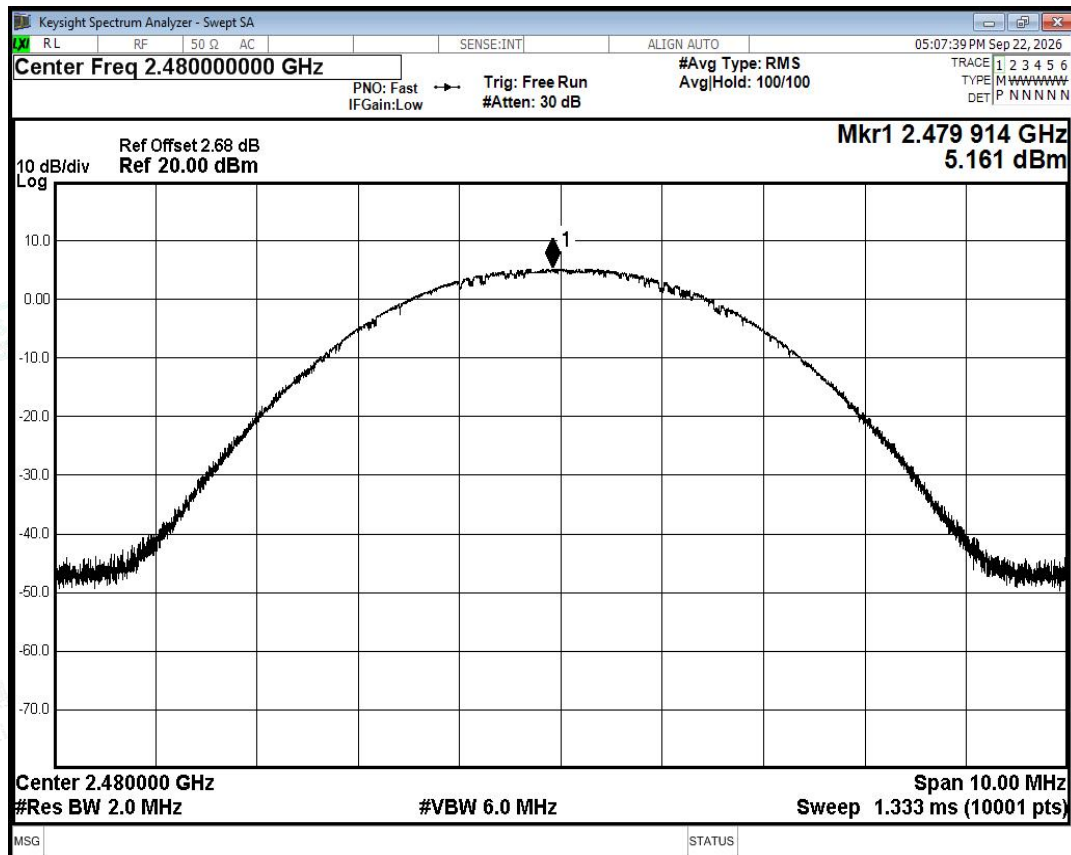
Peak Power NVNT 1-DH5 2480MHz Ant1



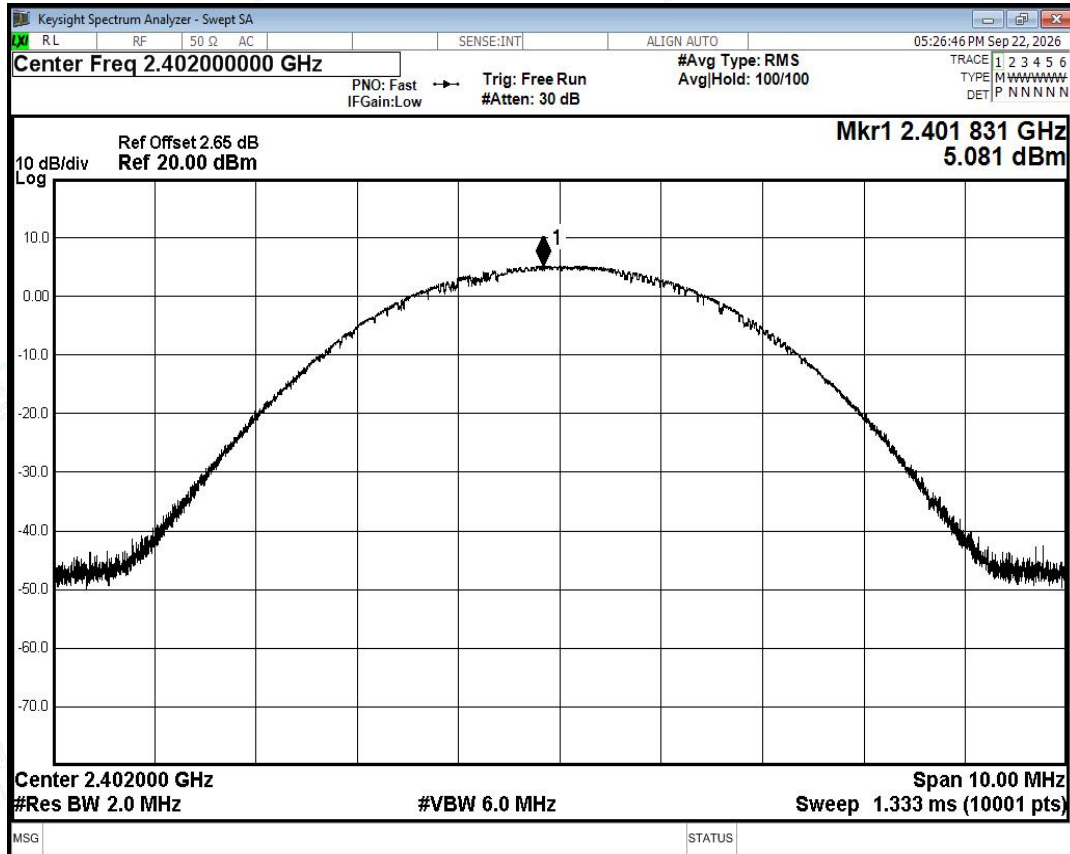
Peak Power NVNT 2-DH5 2402MHz Ant1



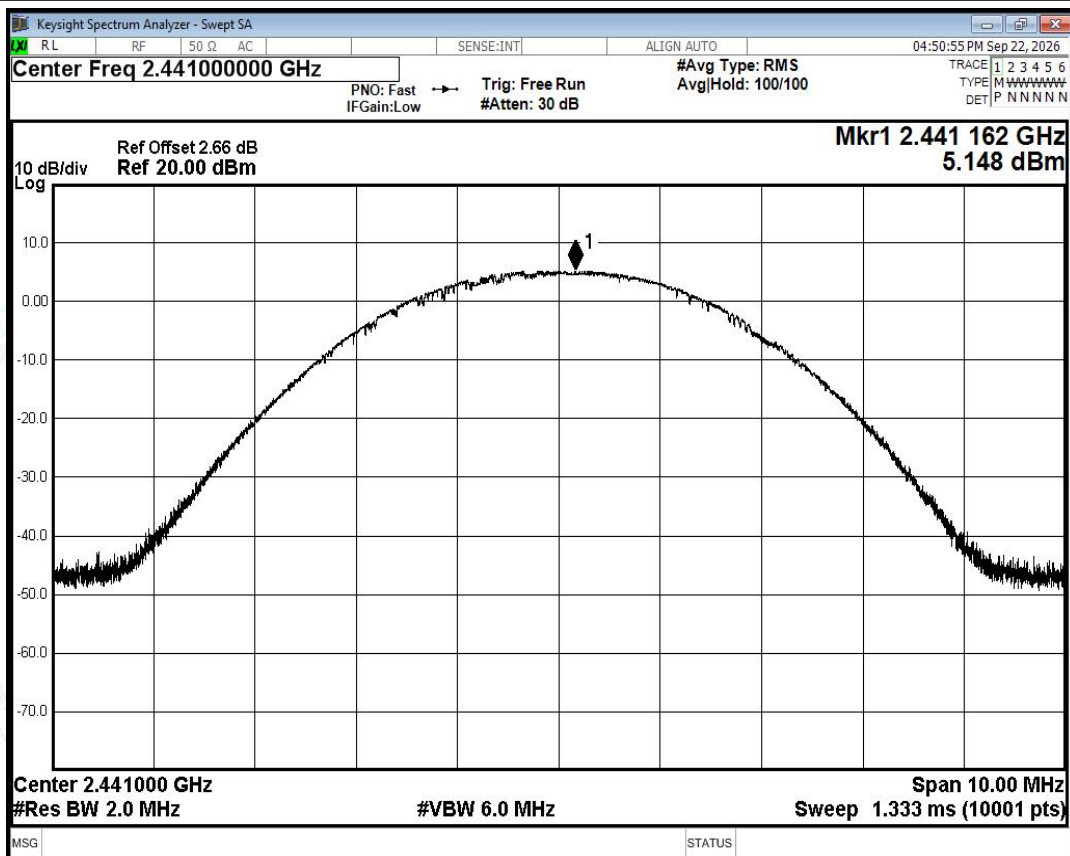
Peak Power NVNT 2-DH5 2441MHz Ant1



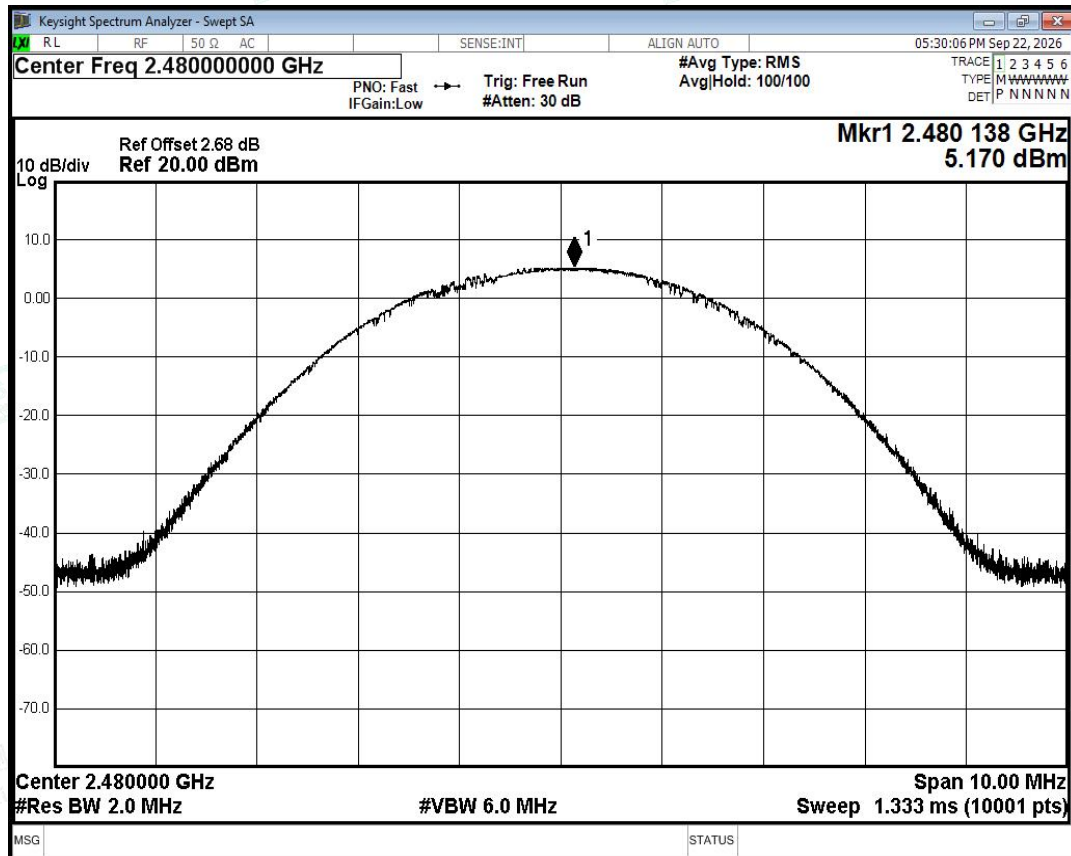
Peak Power NVNT 2-DH5 2480MHz Ant1



Peak Power NVNT 3-DH5 2402MHz Ant1



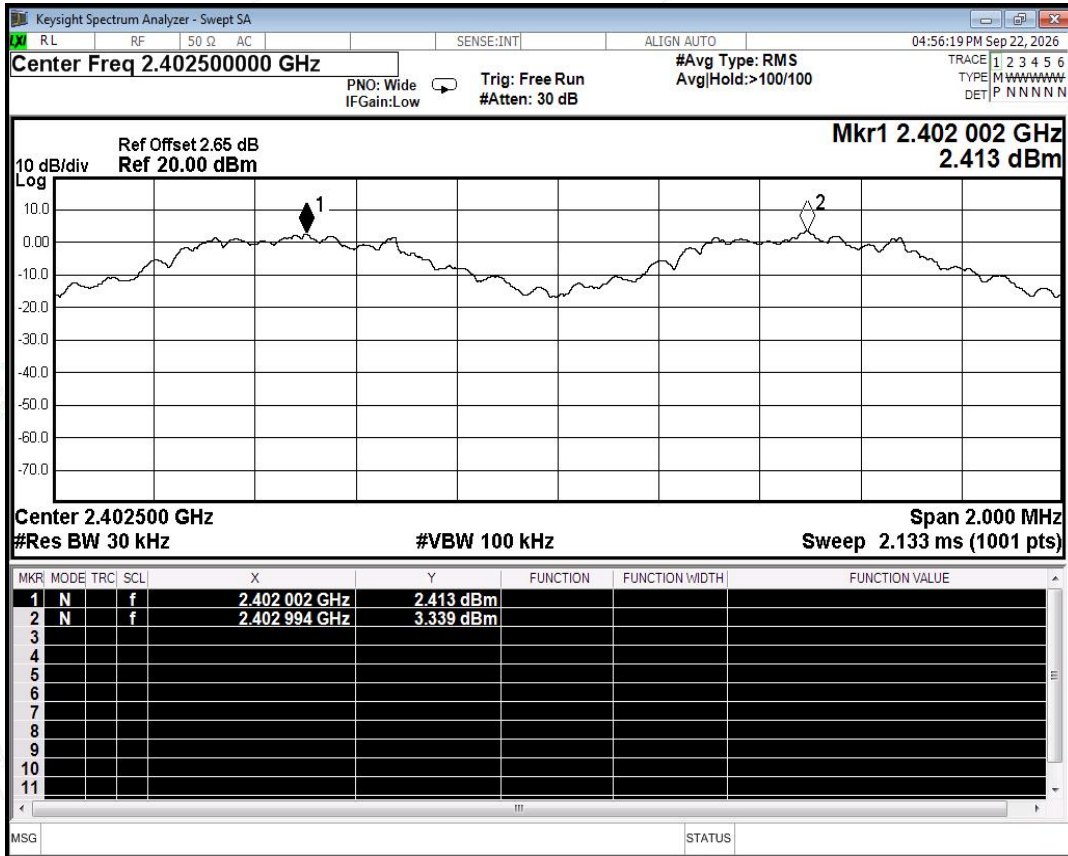
Peak Power NVNT 3-DH5 2441MHz Ant1



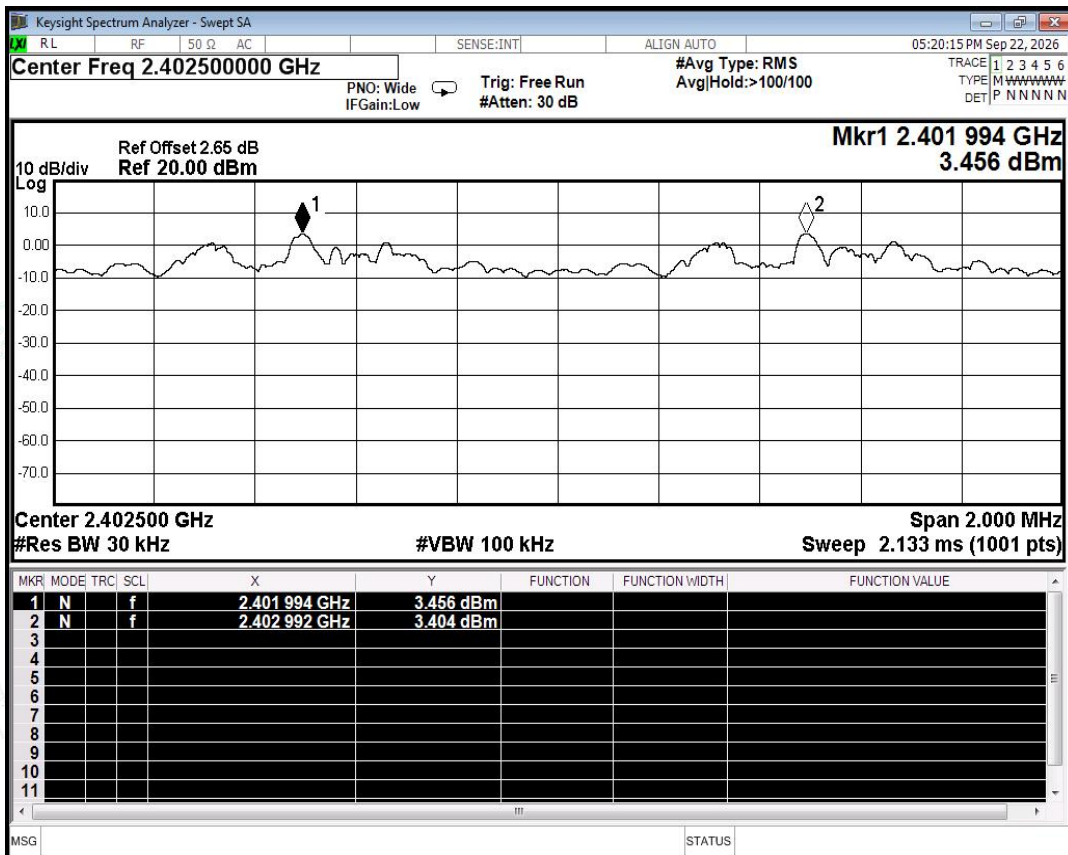
Peak Power NVNT 3-DH5 2480MHz Ant1

A.3 Carrier Frequencies Separation

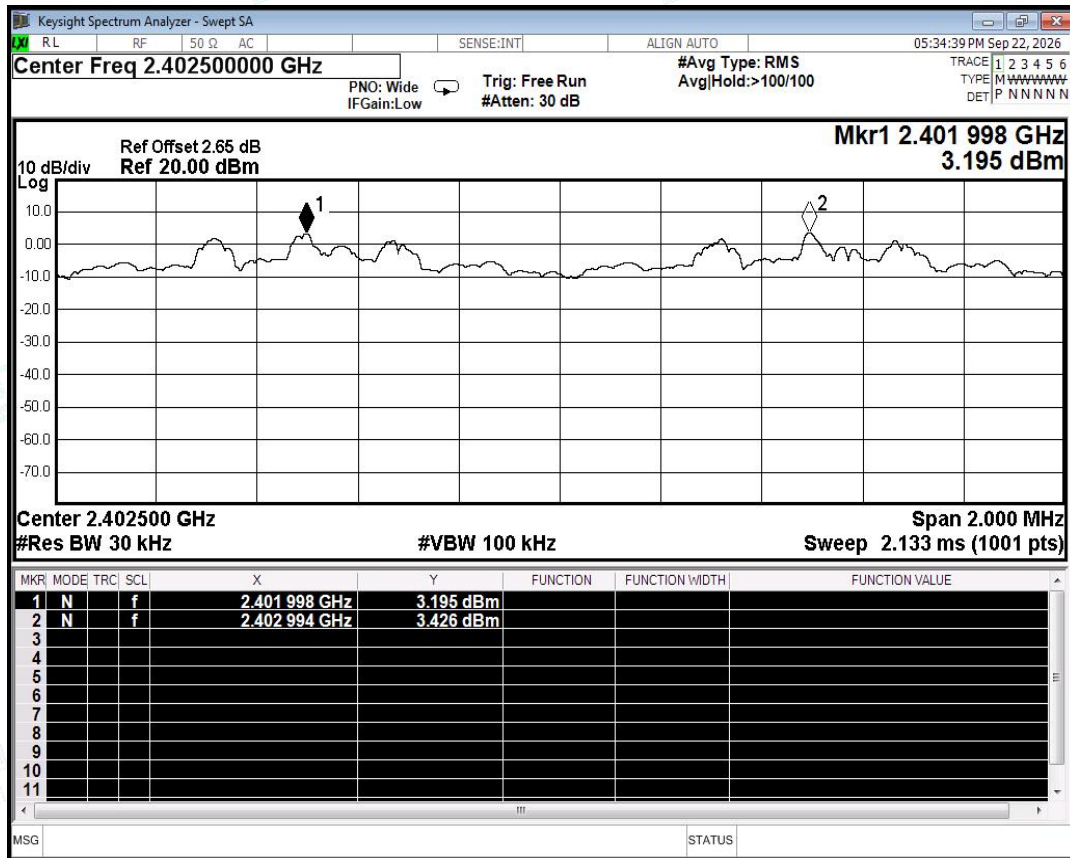
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.002	2402.994	0.992	0.692	Pass
NVNT	2-DH5	Ant1	2401.994	2402.992	0.998	0.808	Pass
NVNT	3-DH5	Ant1	2401.998	2402.994	0.996	0.840	Pass



CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

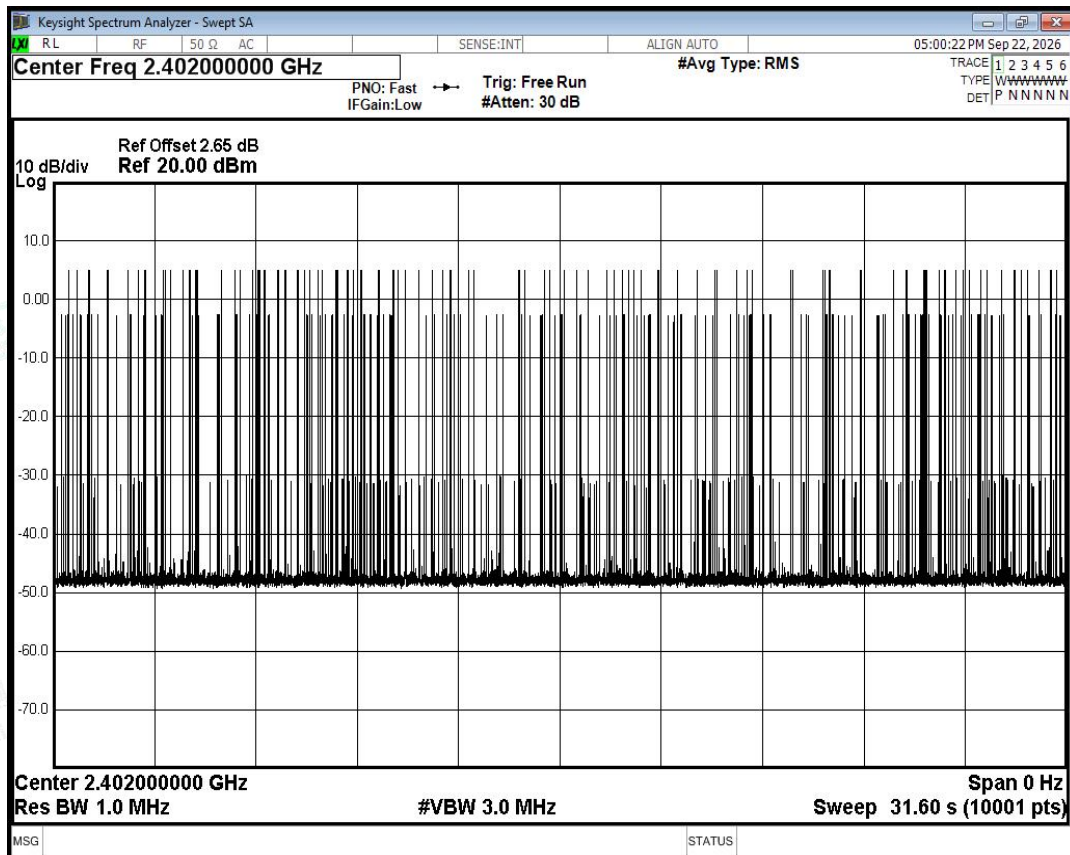


A.4 Dwell Time

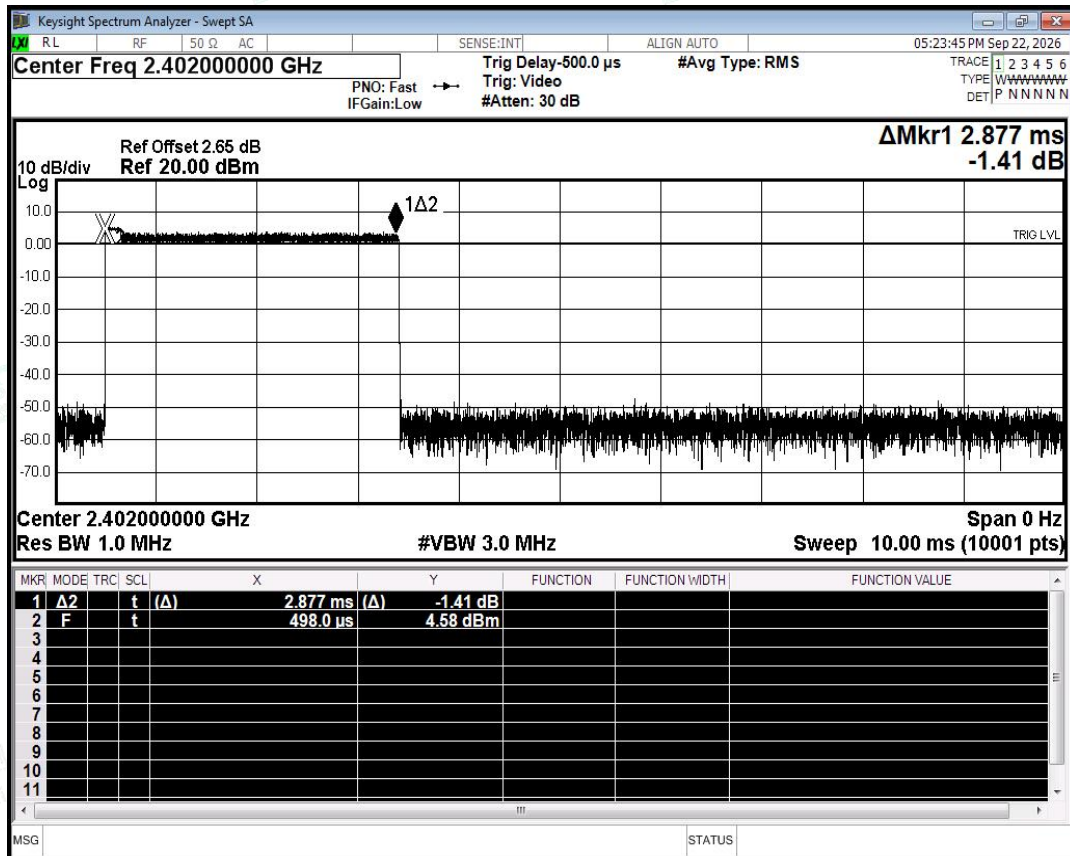
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.903	281.591	97	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.877	264.684	92	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.91	282.27	97	31600	400	Pass



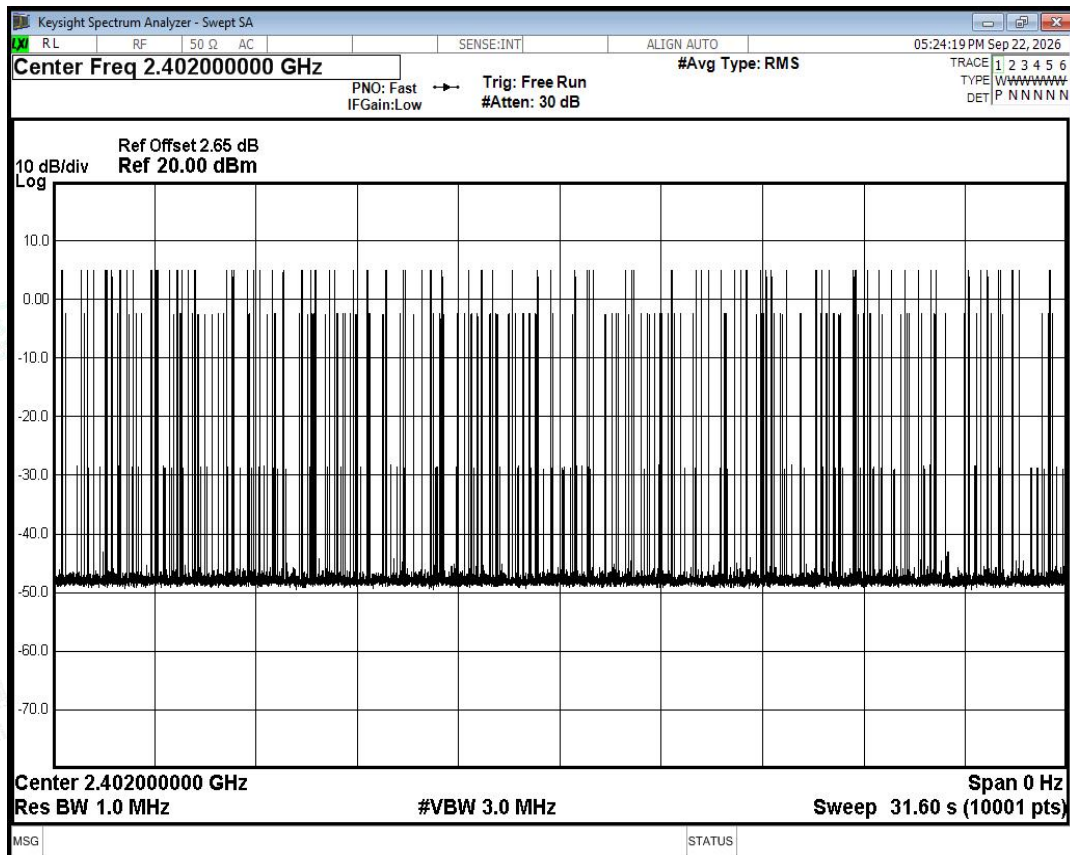
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



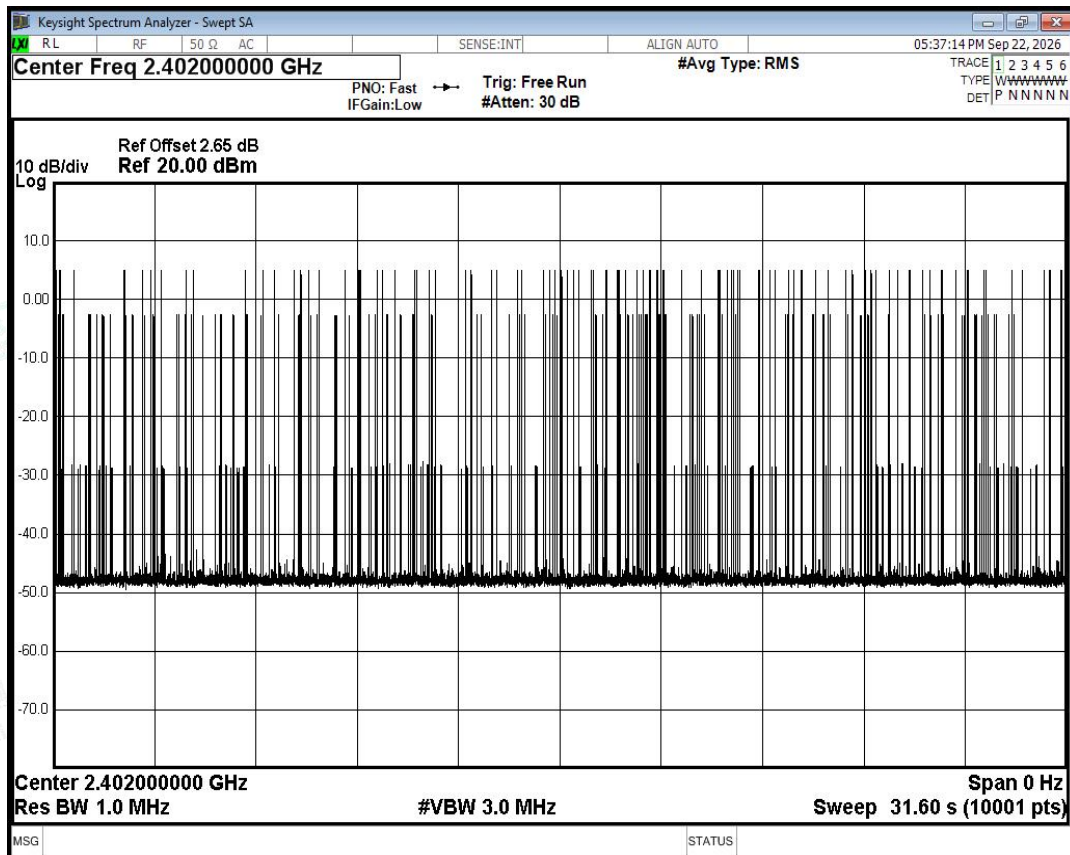
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

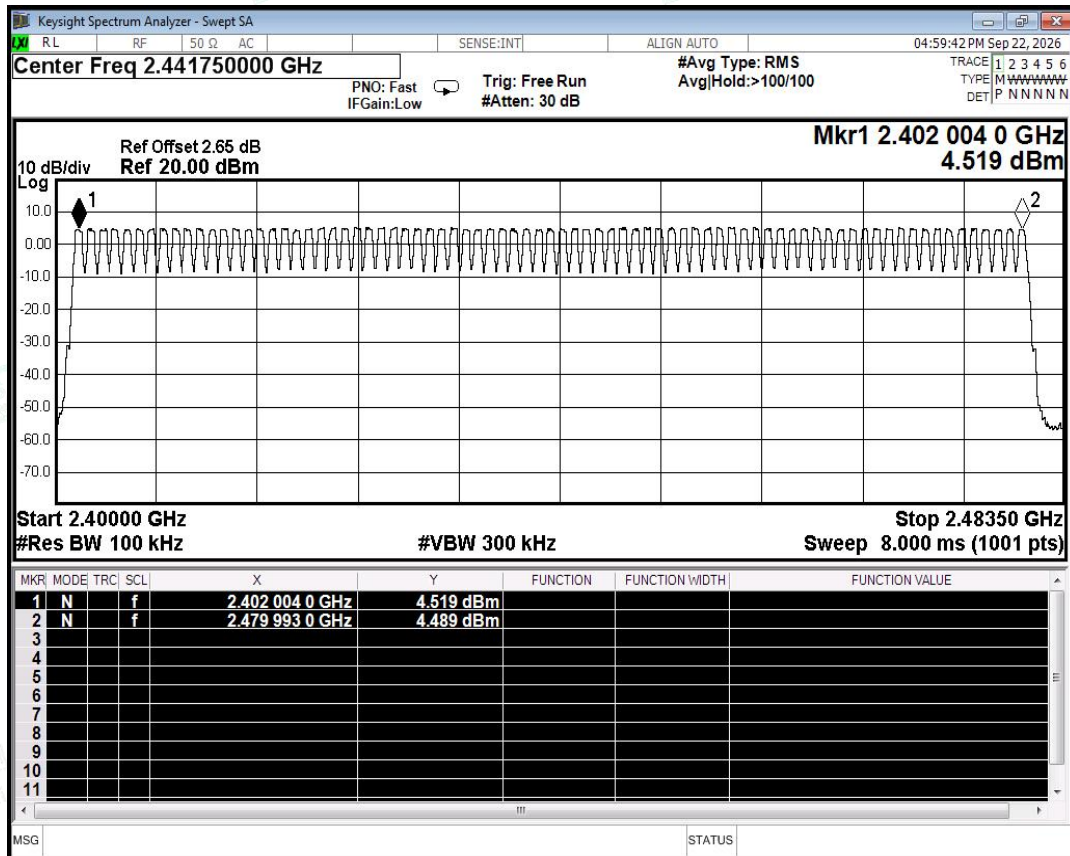


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

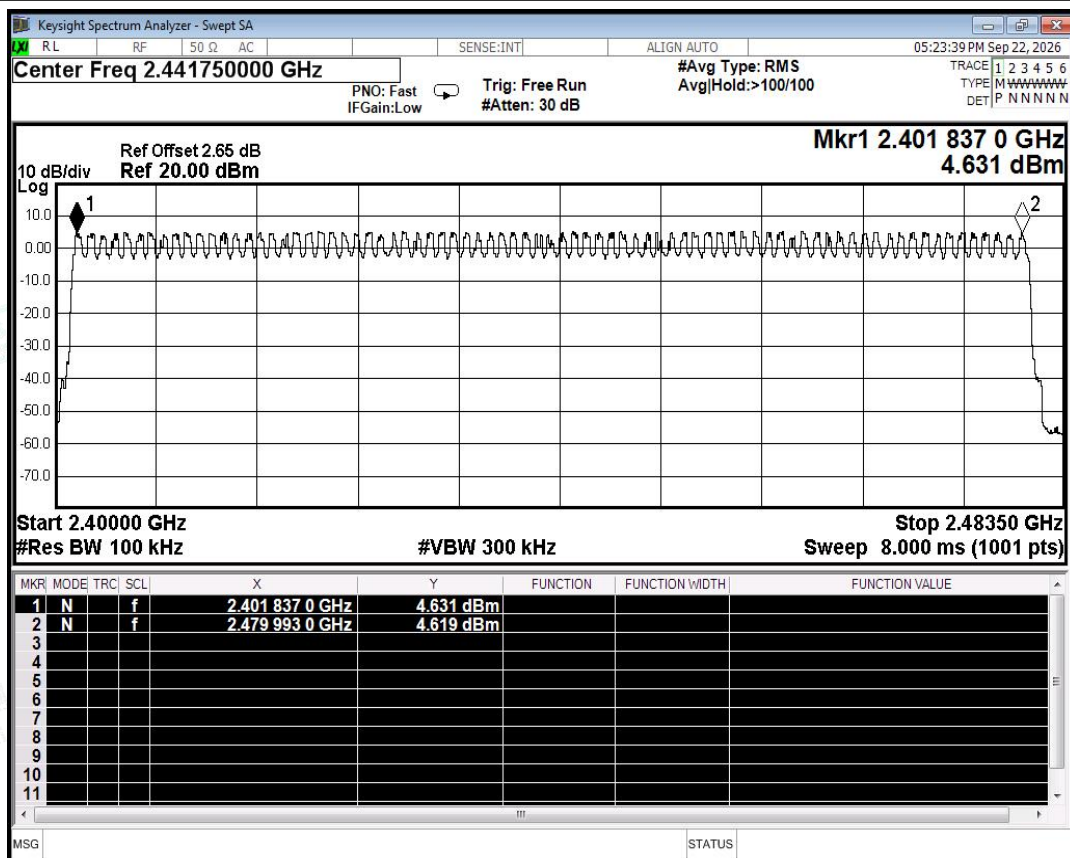


A.5 Number of Hopping Channel

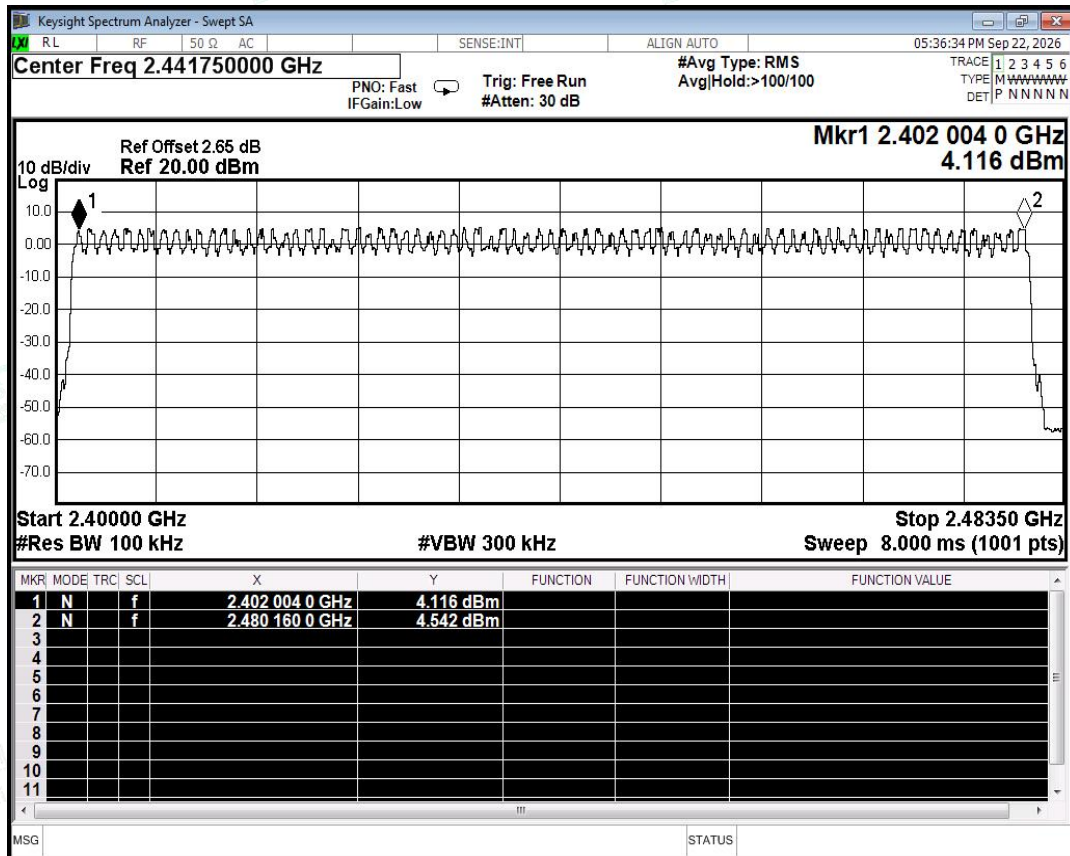
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1

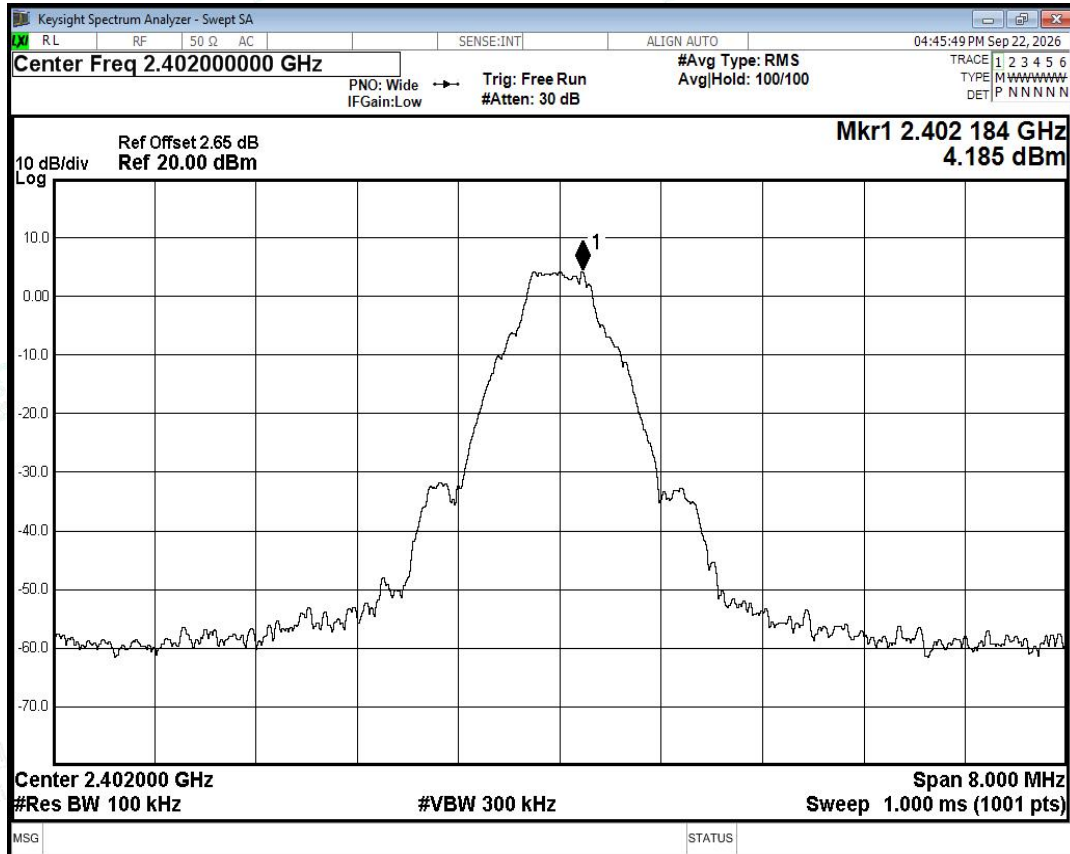


Hopping No. NVNT 3-DH5 2402MHz Ant1

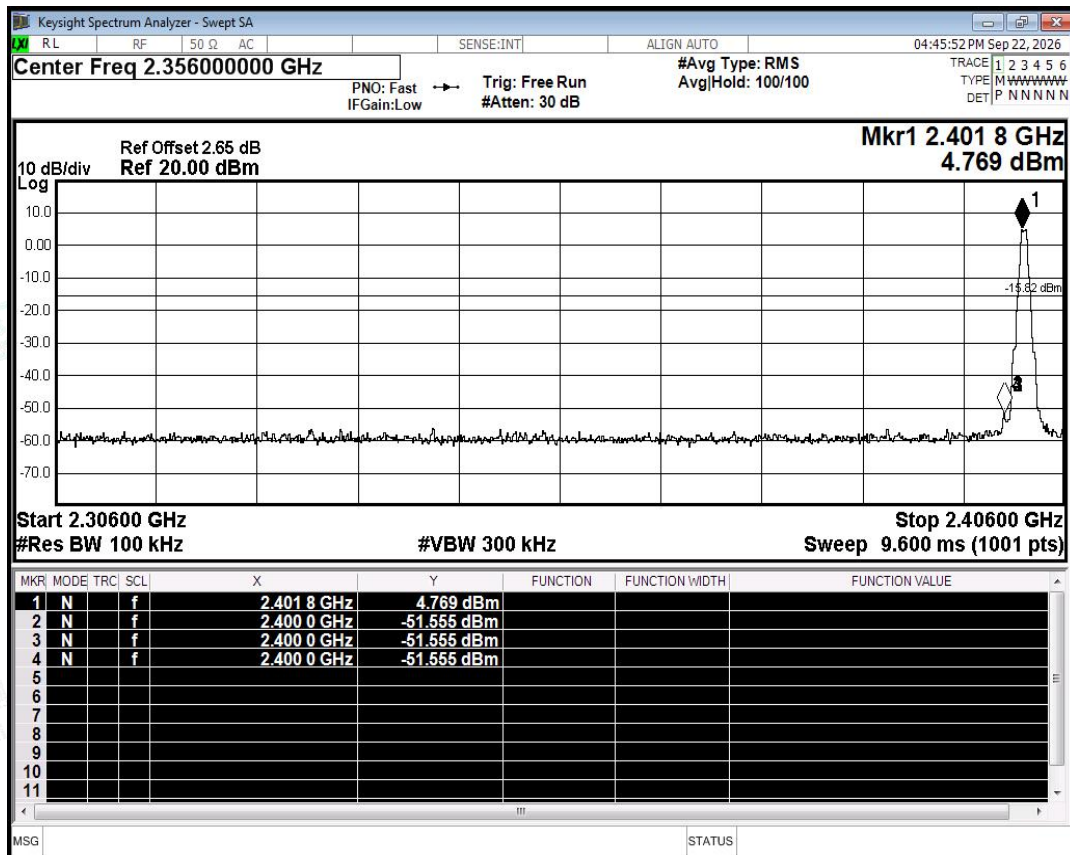


A.6 Band Edge

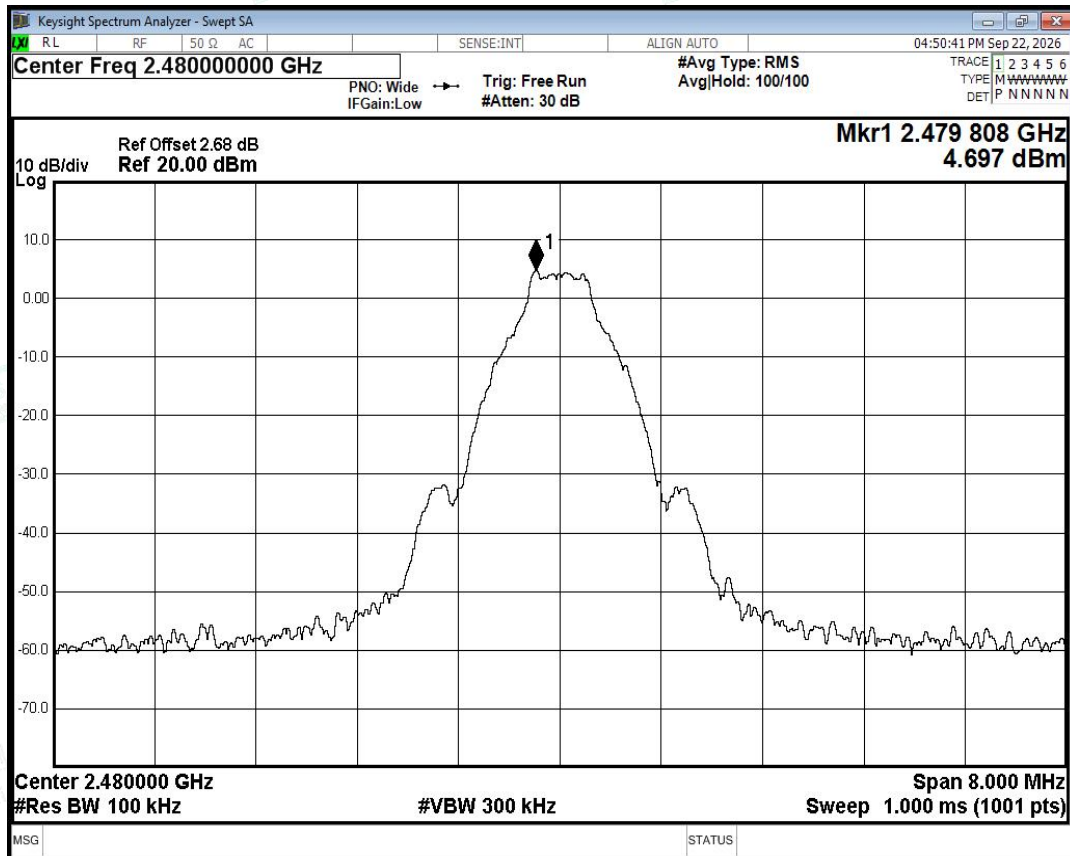
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.74	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-61.15	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-58.3	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-61.72	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.56	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.93	-20	Pass



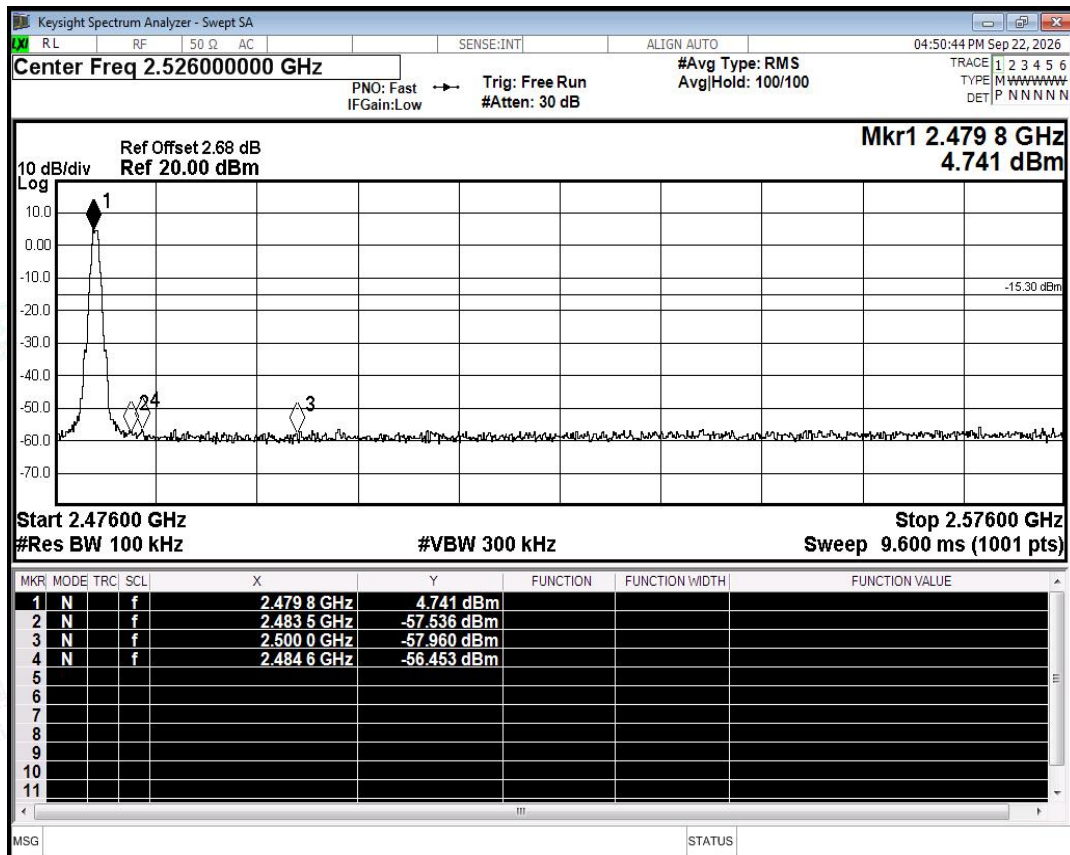
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



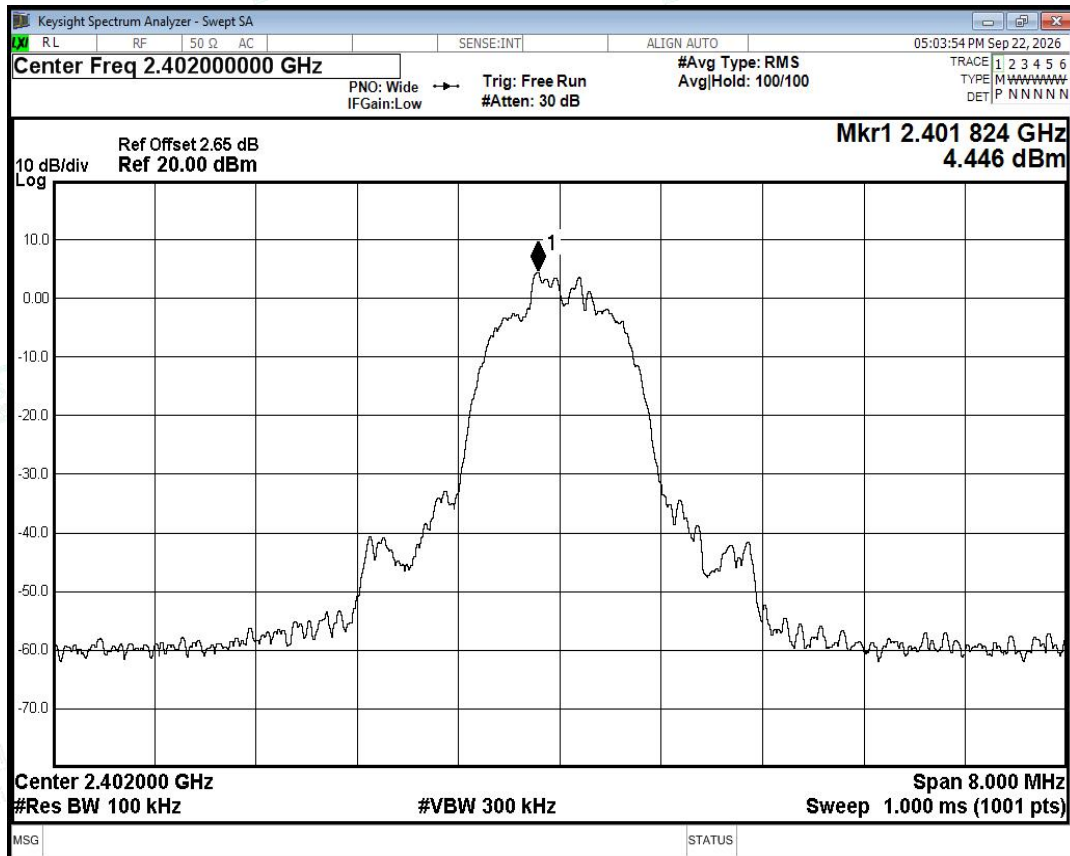
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



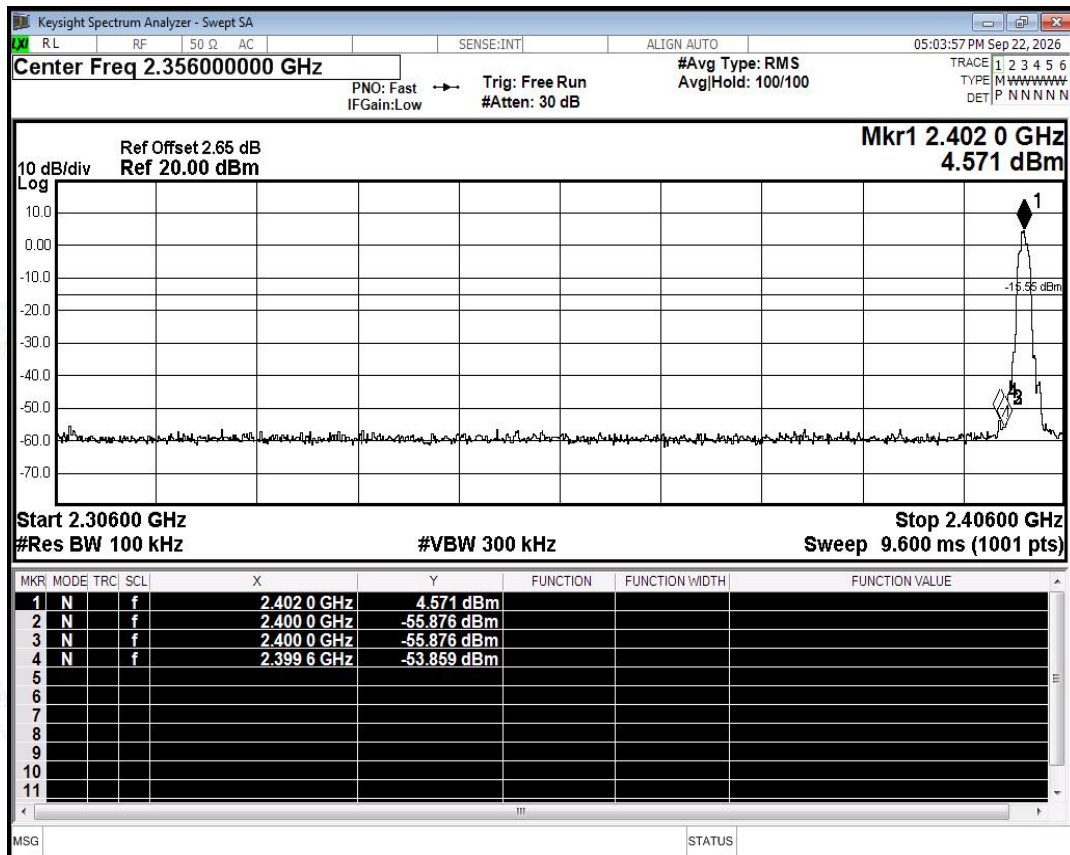
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



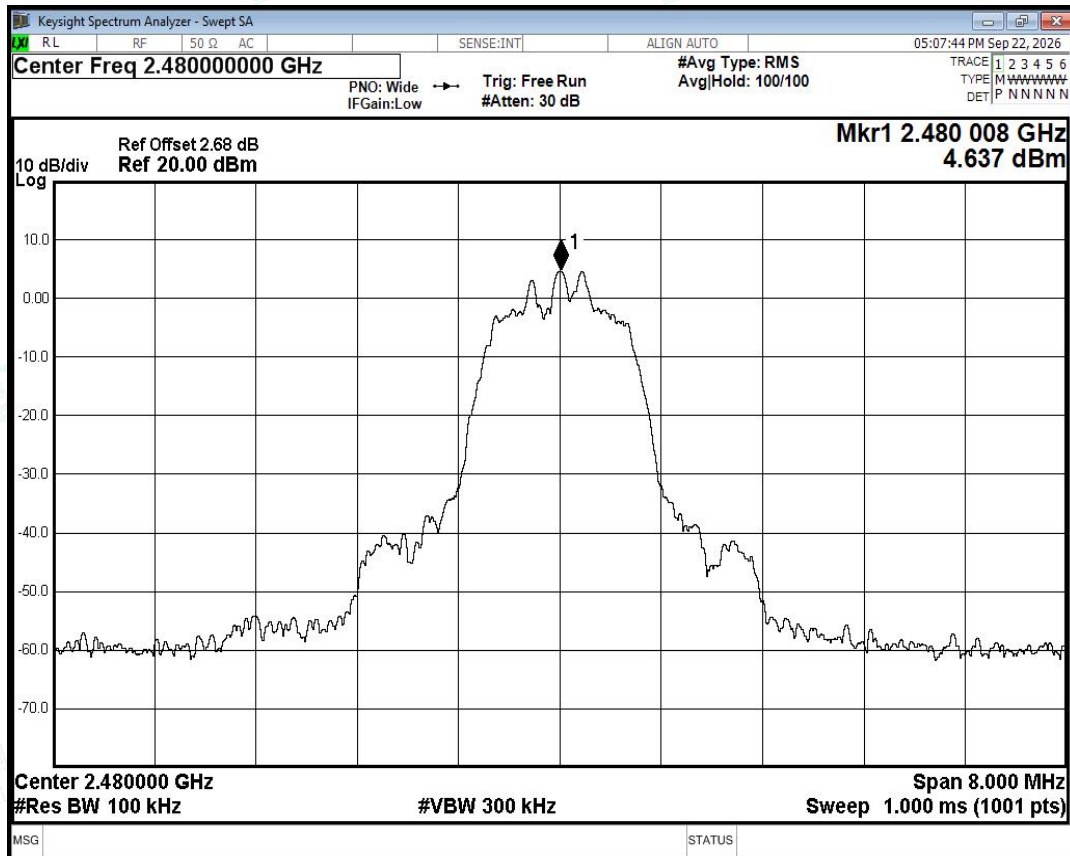
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



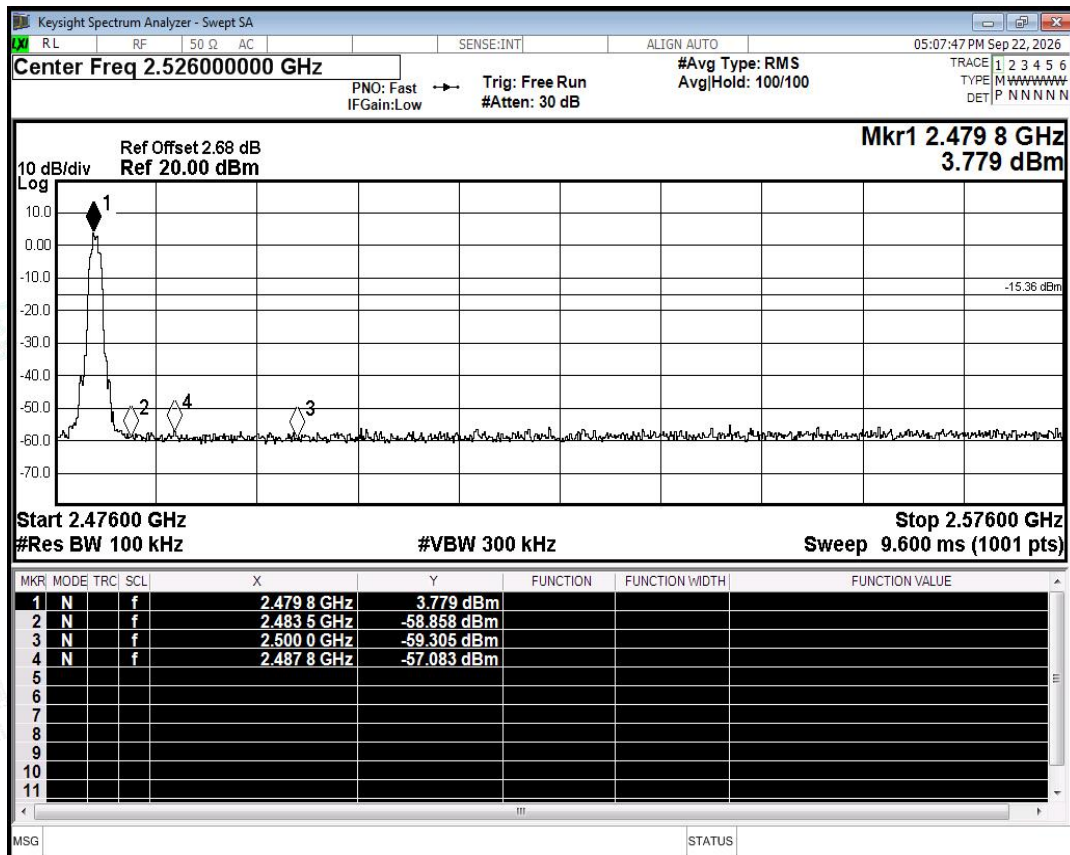
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



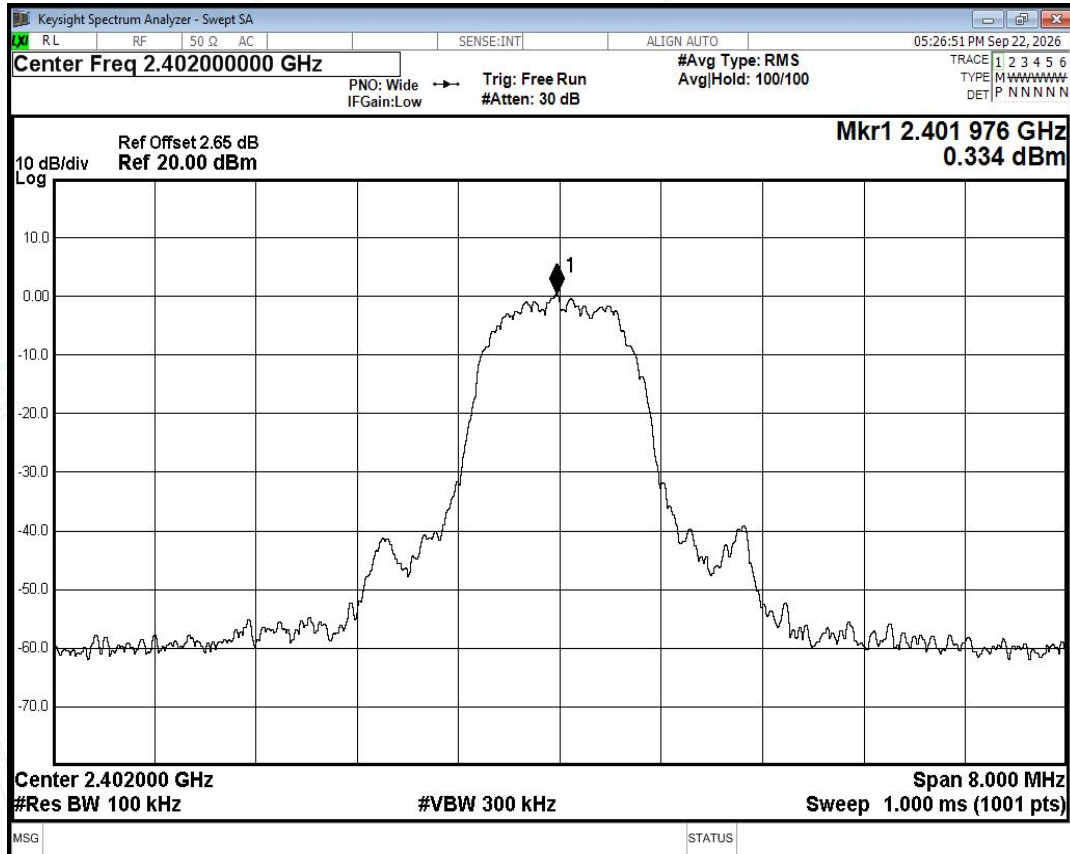
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



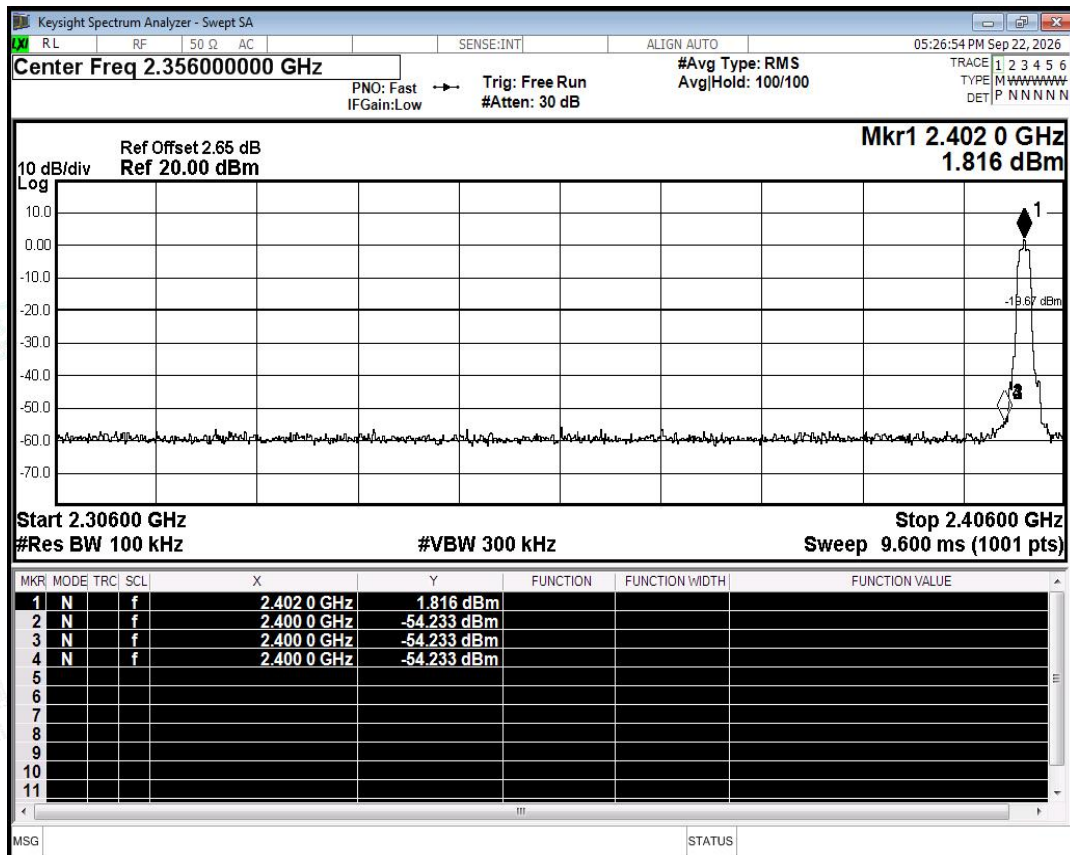
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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