



Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Looki L1

Test Model: LNMBB001

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





C.1 -6dB Bandwidth

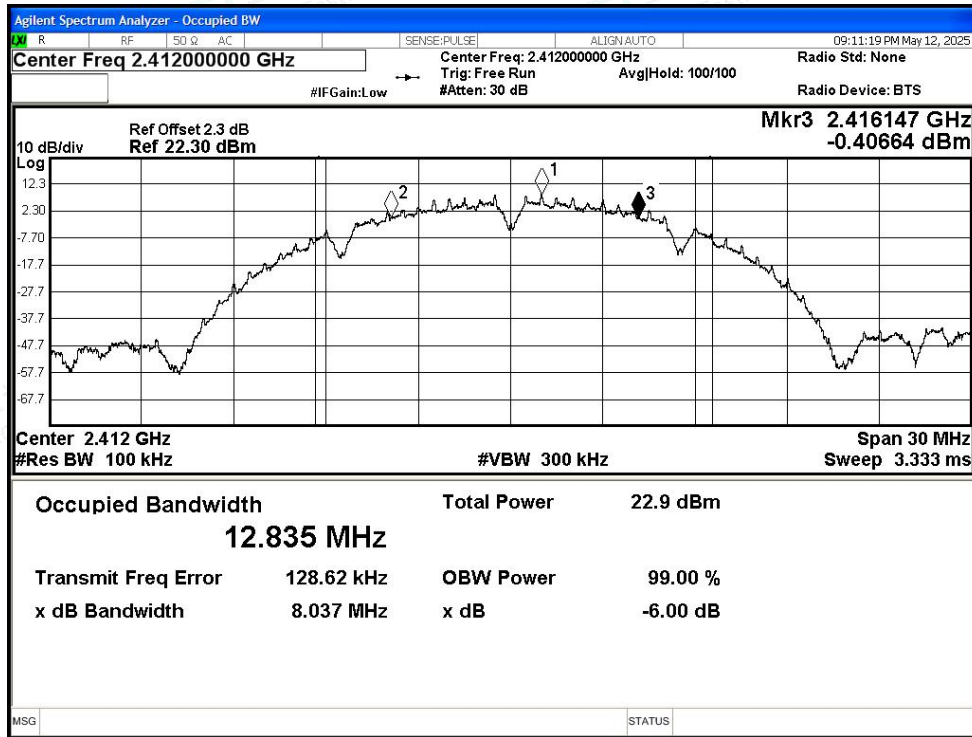
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.037	>=0.5	Pass
NVNT	b	2437	Ant1	8.031	>=0.5	Pass
NVNT	b	2462	Ant1	8.068	>=0.5	Pass
NVNT	g	2412	Ant1	15.446	>=0.5	Pass
NVNT	g	2437	Ant1	15.283	>=0.5	Pass
NVNT	g	2462	Ant1	15.787	>=0.5	Pass
NVNT	n20	2412	Ant1	16.325	>=0.5	Pass
NVNT	n20	2437	Ant1	15.068	>=0.5	Pass
NVNT	n20	2462	Ant1	15.073	>=0.5	Pass
NVNT	n40	2422	Ant1	32.597	>=0.5	Pass
NVNT	n40	2437	Ant1	35.043	>=0.5	Pass
NVNT	n40	2452	Ant1	35.09	>=0.5	Pass



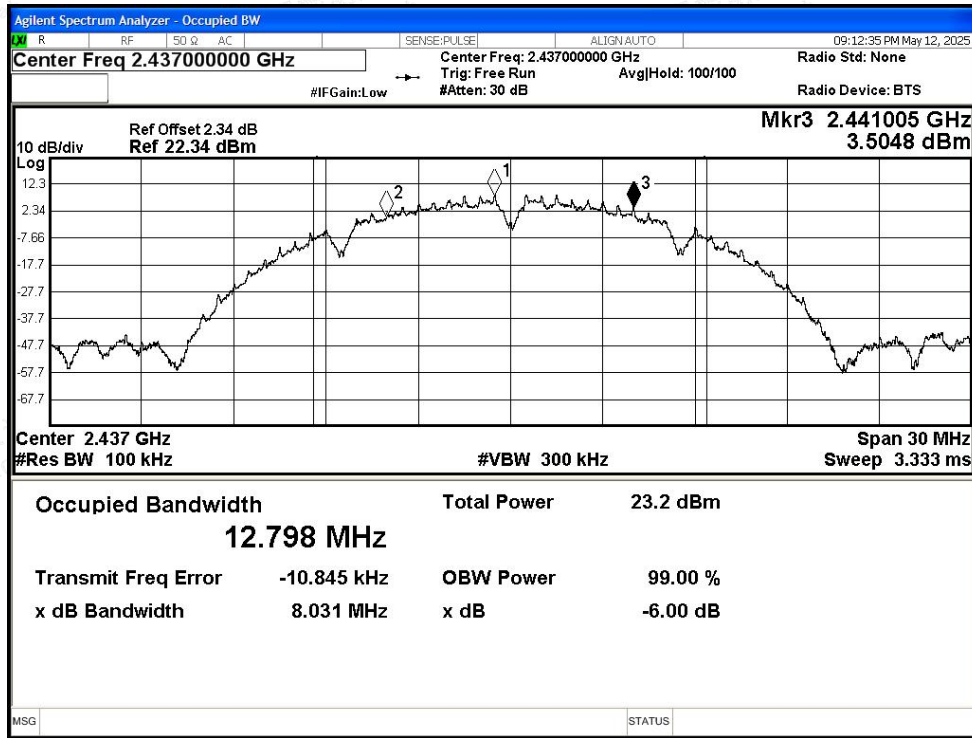


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1

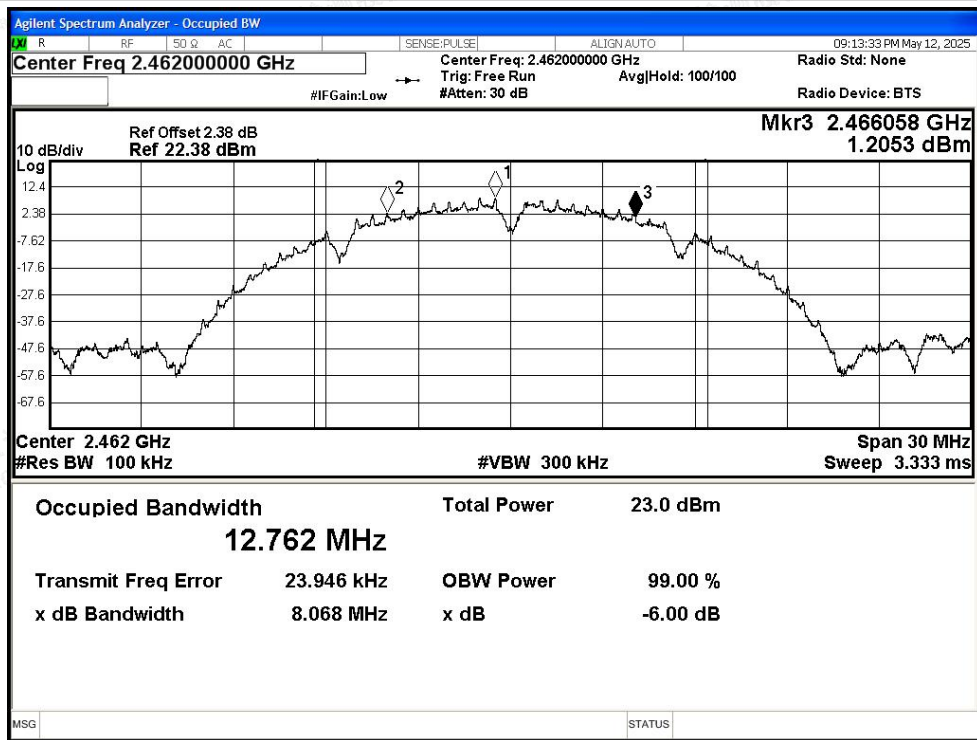


-6dB Bandwidth NVNT b 2437MHz Ant1

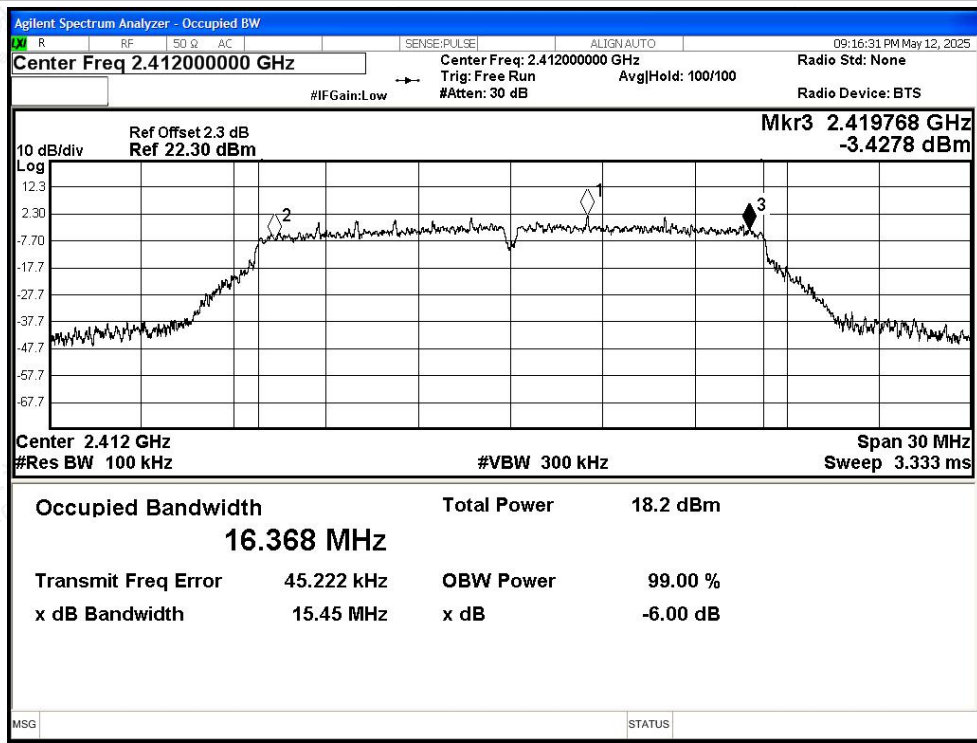




-6dB Bandwidth NVNT b 2462MHz Ant1

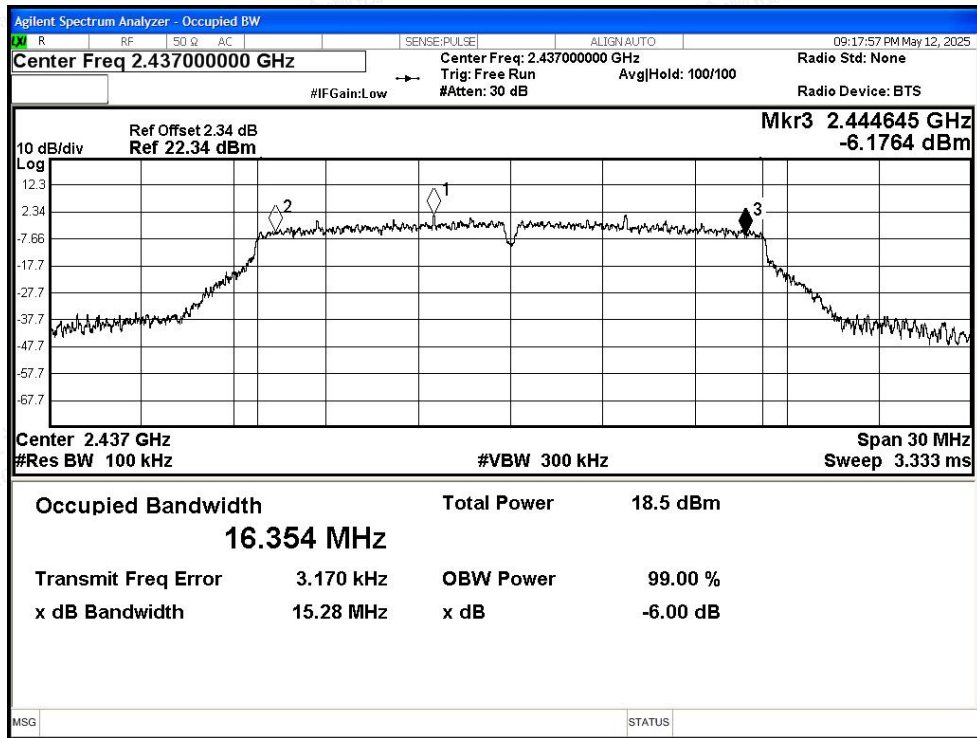


-6dB Bandwidth NVNT g 2412MHz Ant1

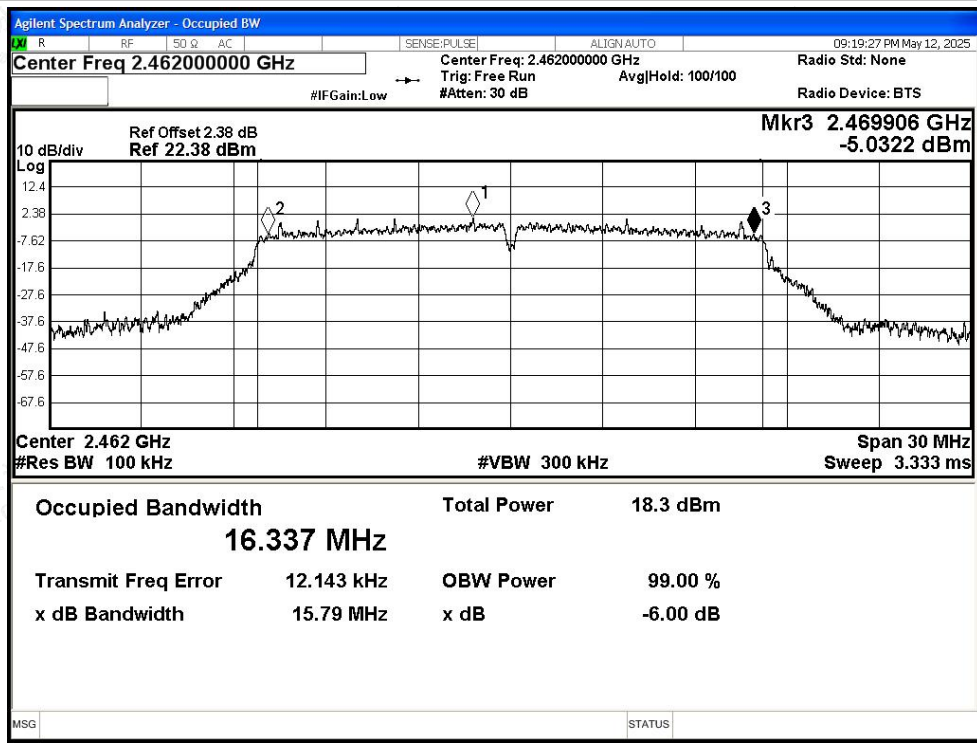




-6dB Bandwidth NVNT g 2437MHz Ant1

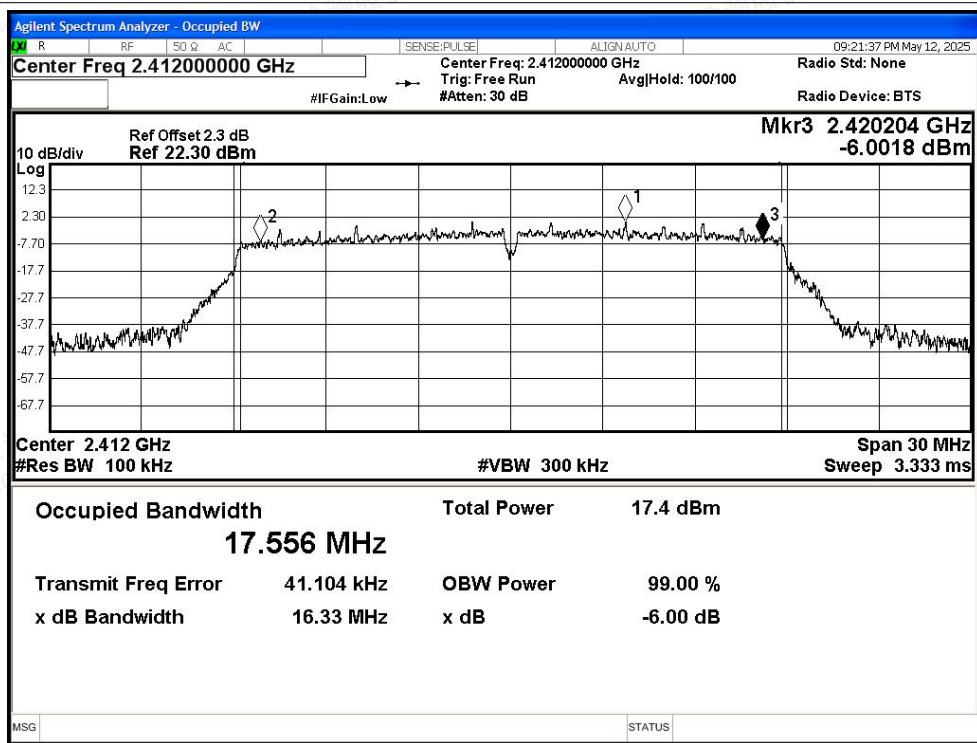


-6dB Bandwidth NVNT g 2462MHz Ant1

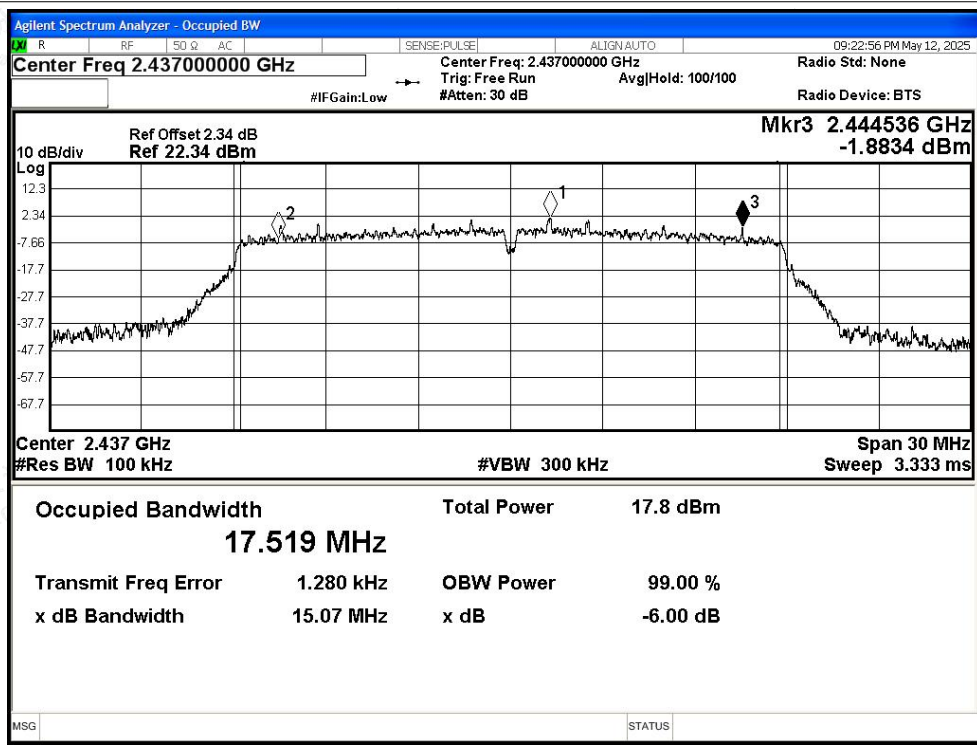




-6dB Bandwidth NVNT n20 2412MHz Ant1

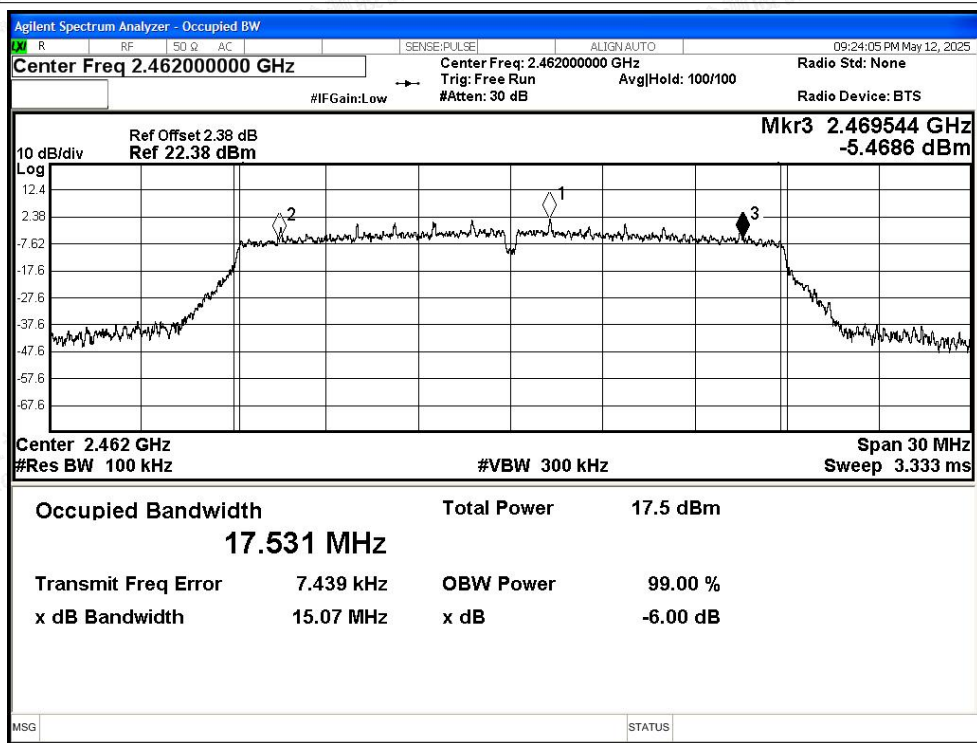


-6dB Bandwidth NVNT n20 2437MHz Ant1

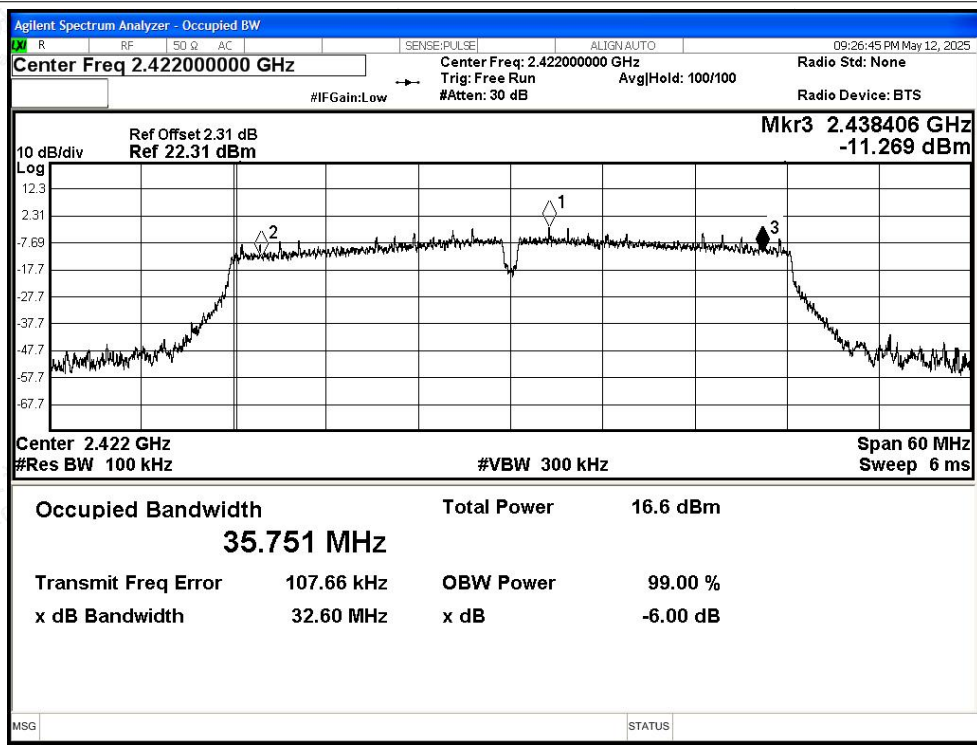




-6dB Bandwidth NVNT n20 2462MHz Ant1

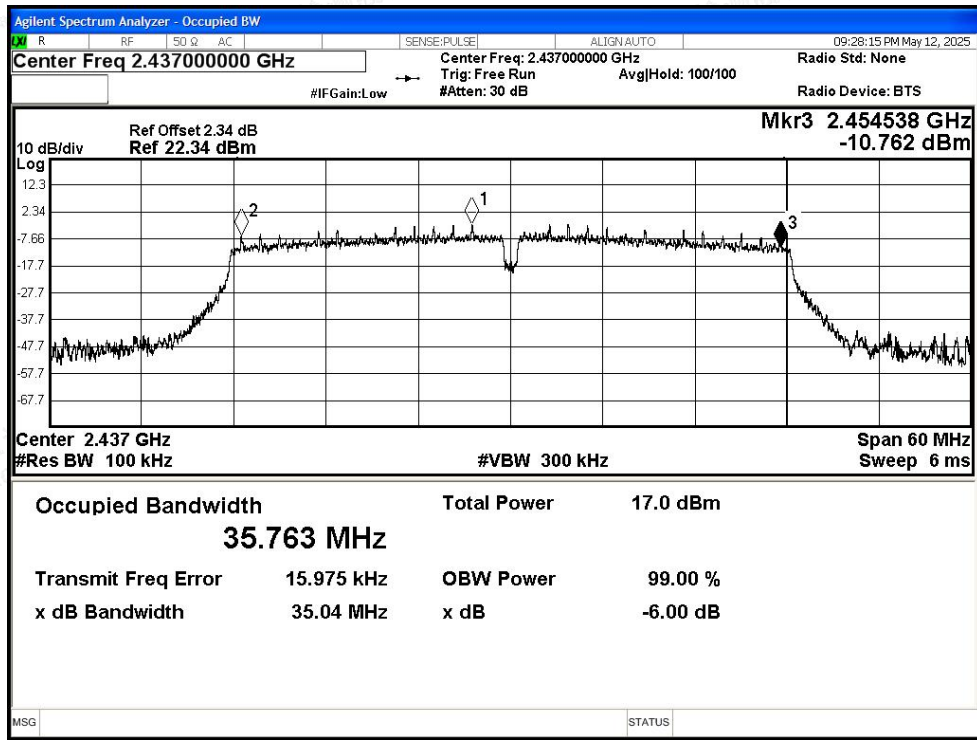


-6dB Bandwidth NVNT n40 2422MHz Ant1

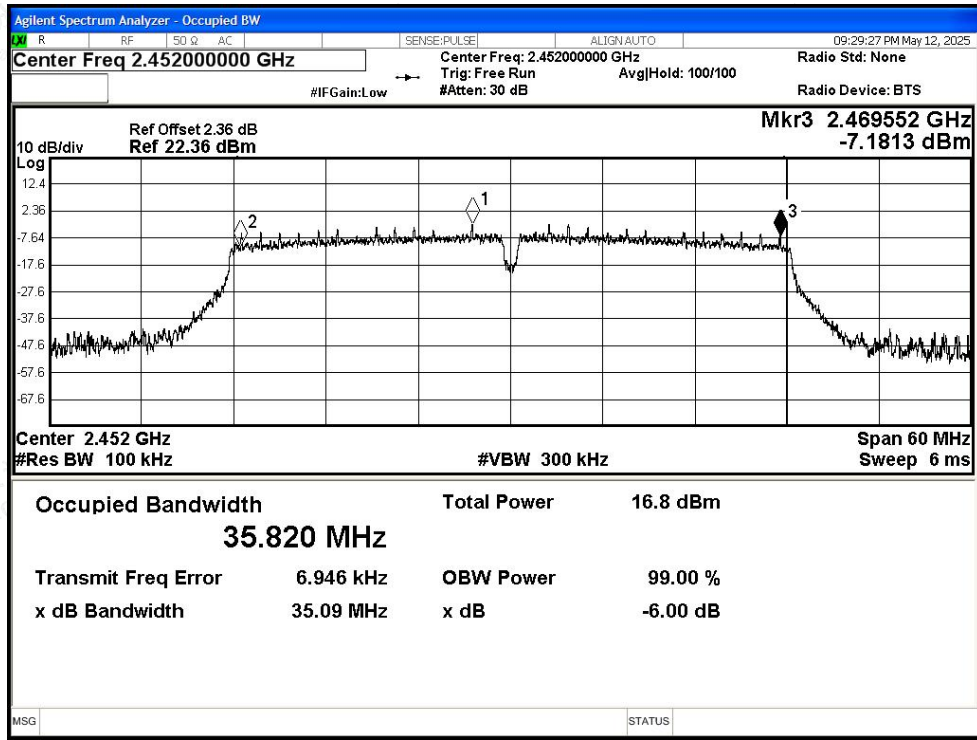




-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1





C.2 Maximum Peak Conducted Output Power

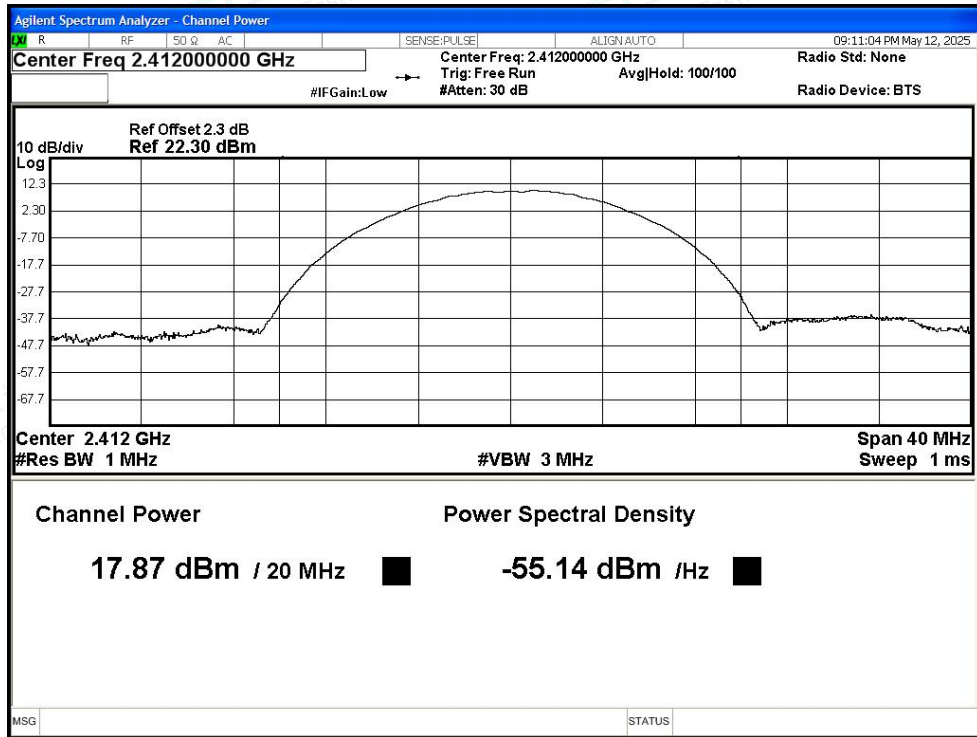
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.87	30	Pass
NVNT	b	2437	Ant1	18.14	30	Pass
NVNT	b	2462	Ant1	17.92	30	Pass
NVNT	g	2412	Ant1	16.95	30	Pass
NVNT	g	2437	Ant1	17.27	30	Pass
NVNT	g	2462	Ant1	17.02	30	Pass
NVNT	n20	2412	Ant1	16.08	30	Pass
NVNT	n20	2437	Ant1	16.36	30	Pass
NVNT	n20	2462	Ant1	16.22	30	Pass
NVNT	n40	2422	Ant1	15.1	30	Pass
NVNT	n40	2437	Ant1	15.35	30	Pass
NVNT	n40	2452	Ant1	15.24	30	Pass



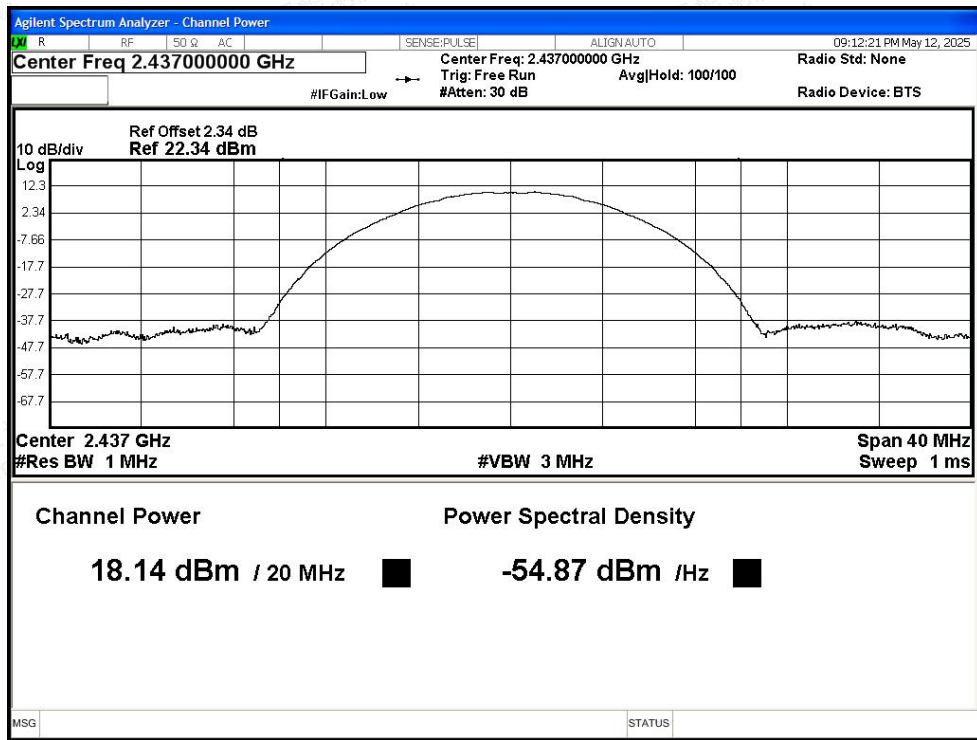


Test Graphs

Power NVNT b 2412MHz Ant1

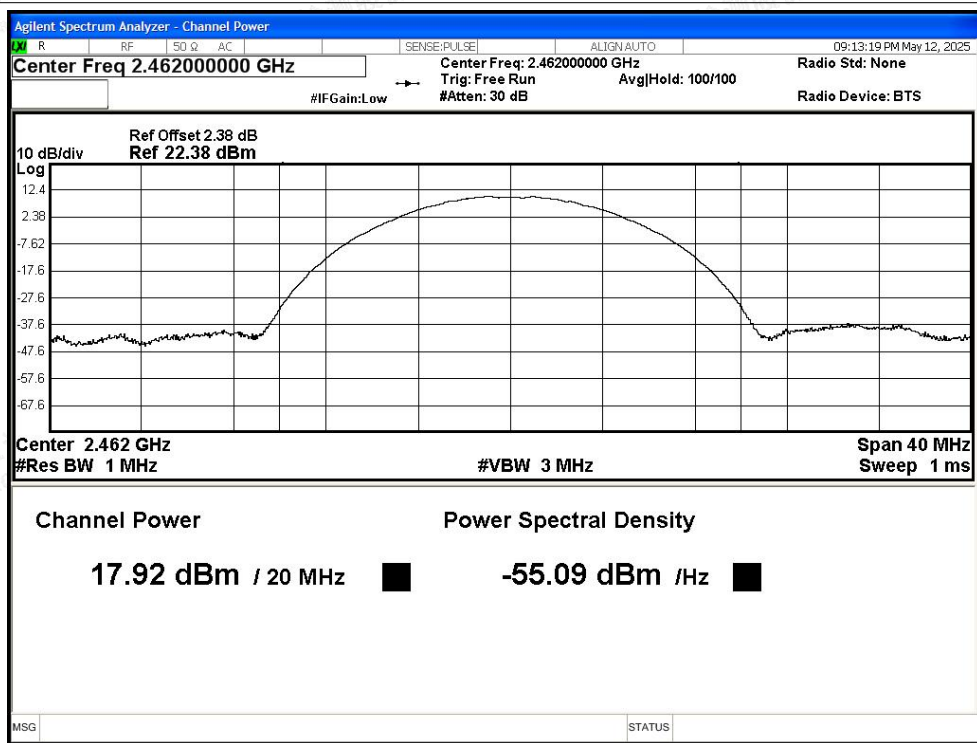


Power NVNT b 2437MHz Ant1

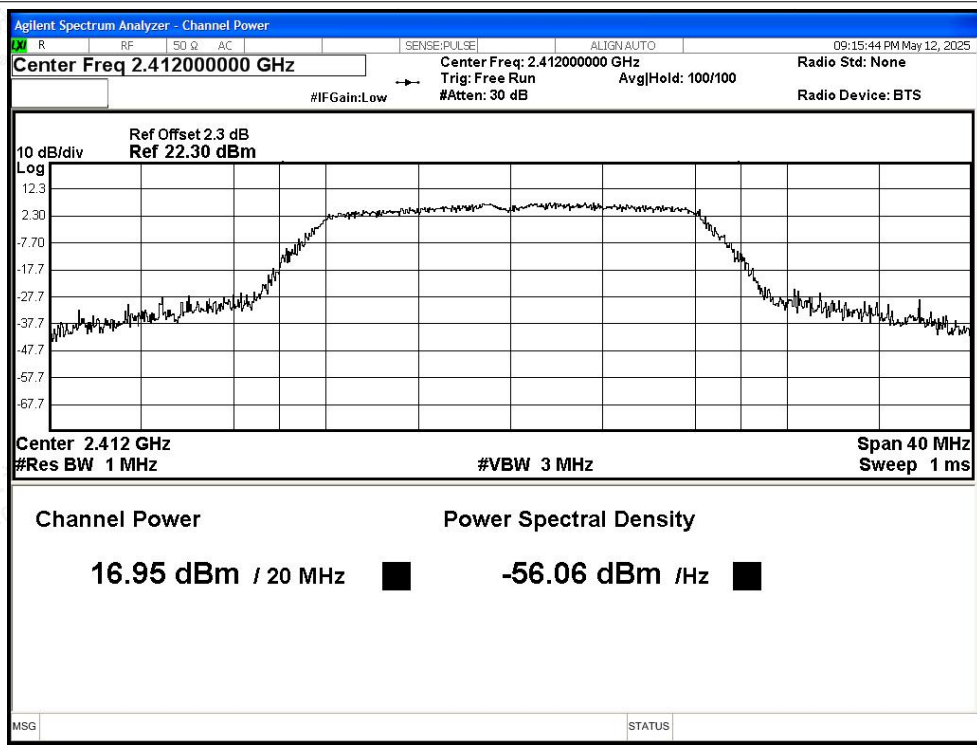




Power NVNT b 2462MHz Ant1

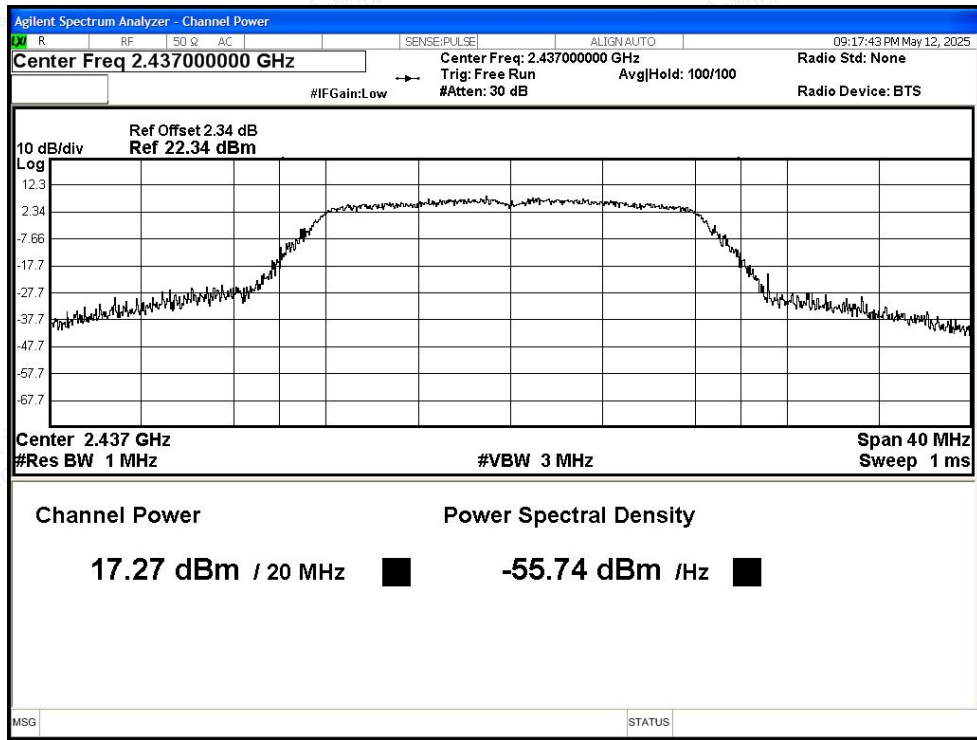


Power NVNT g 2412MHz Ant1

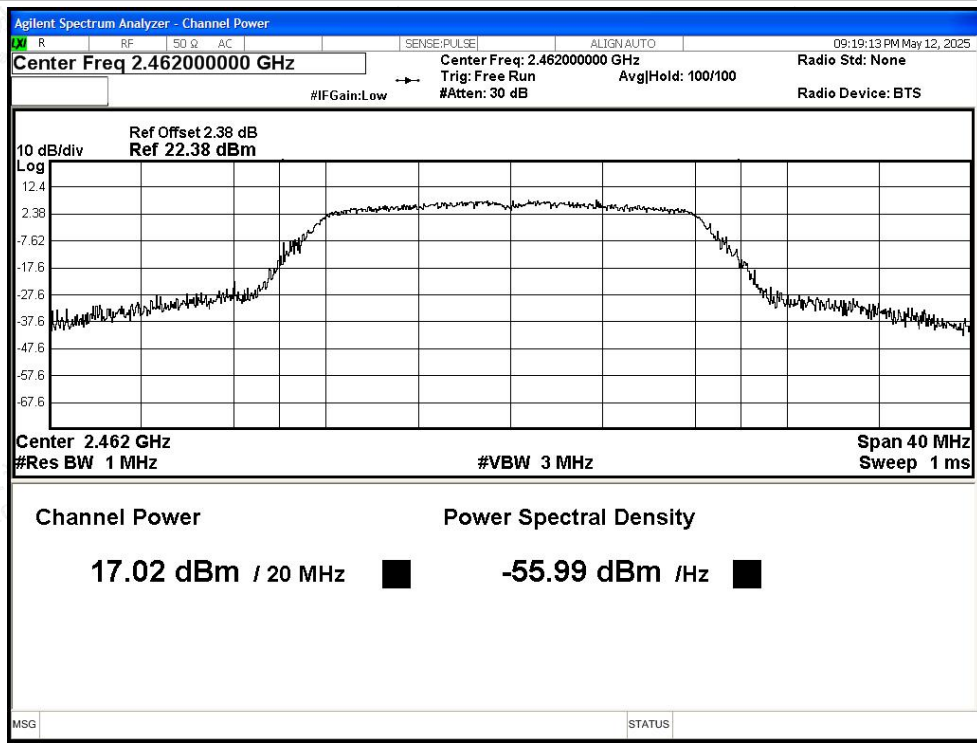




Power NVNT g 2437MHz Ant1

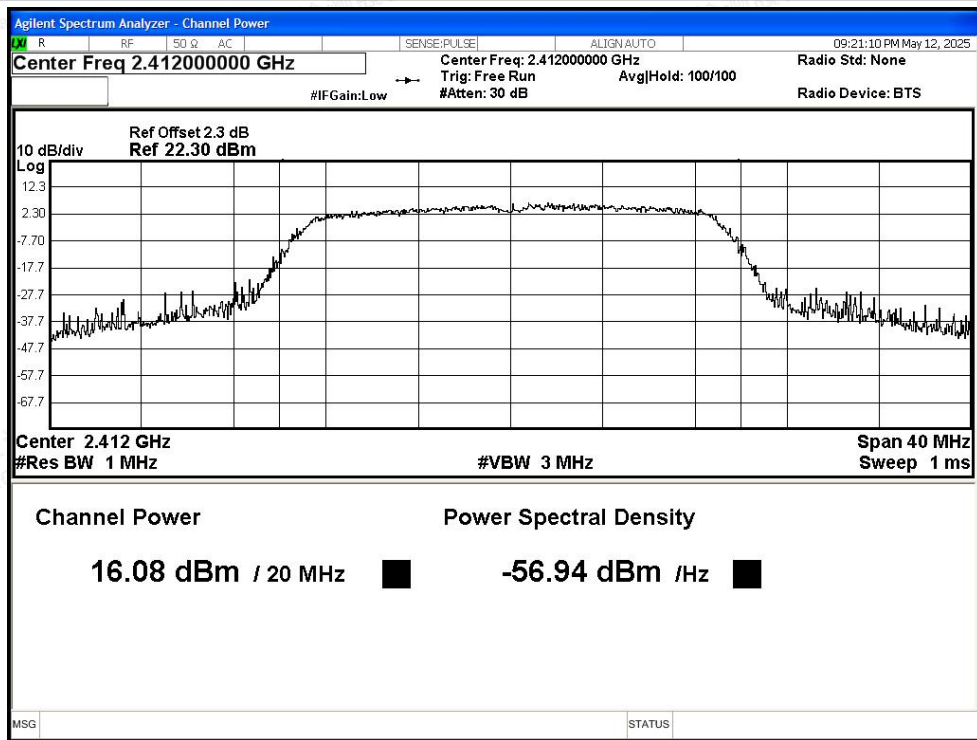


Power NVNT g 2462MHz Ant1

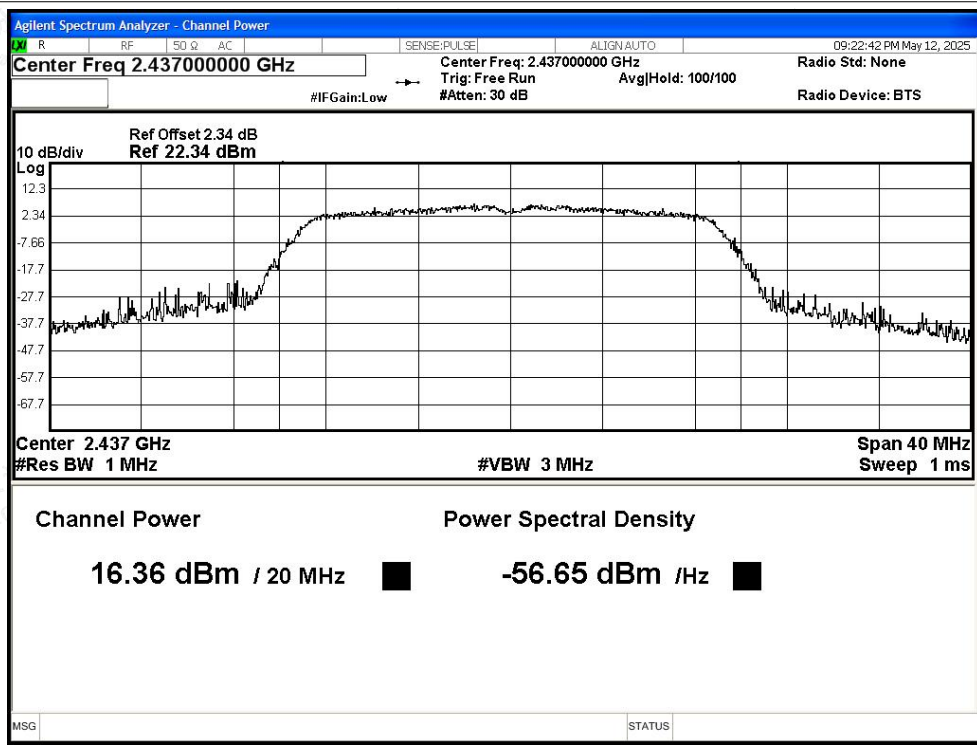




Power NVNT n20 2412MHz Ant1

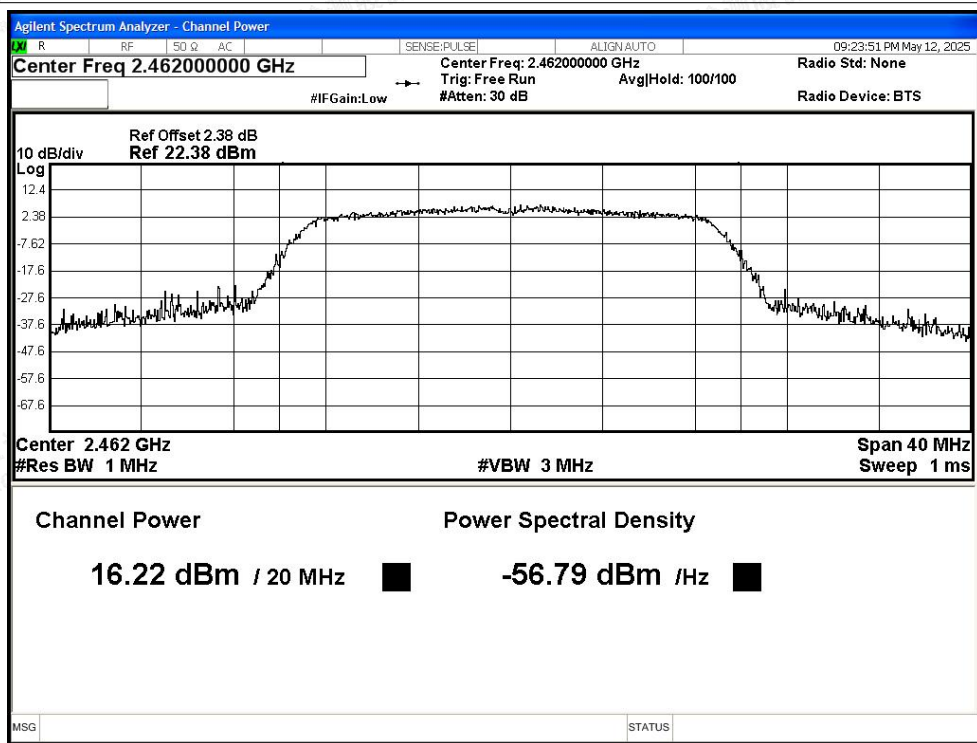


Power NVNT n20 2437MHz Ant1

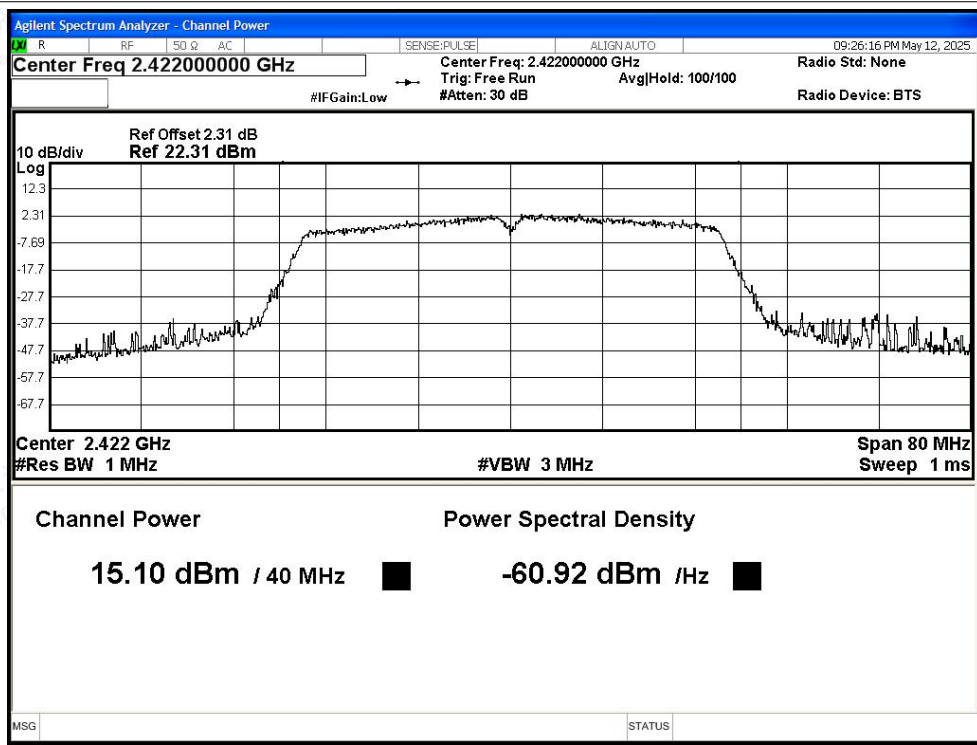




Power NVNT n20 2462MHz Ant1

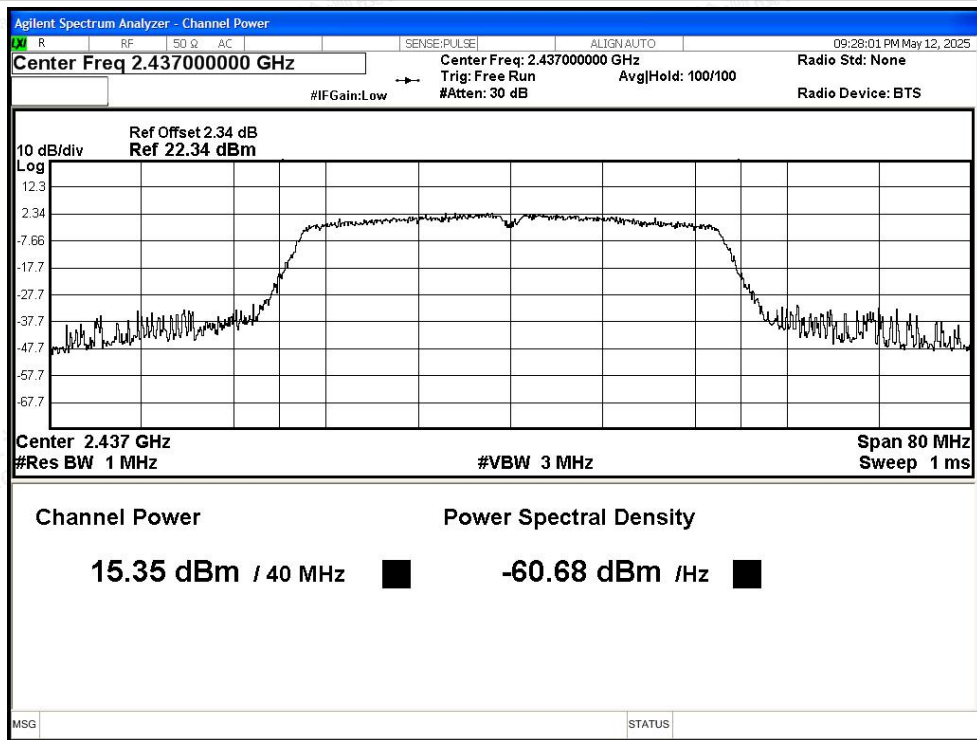


Power NVNT n40 2422MHz Ant1

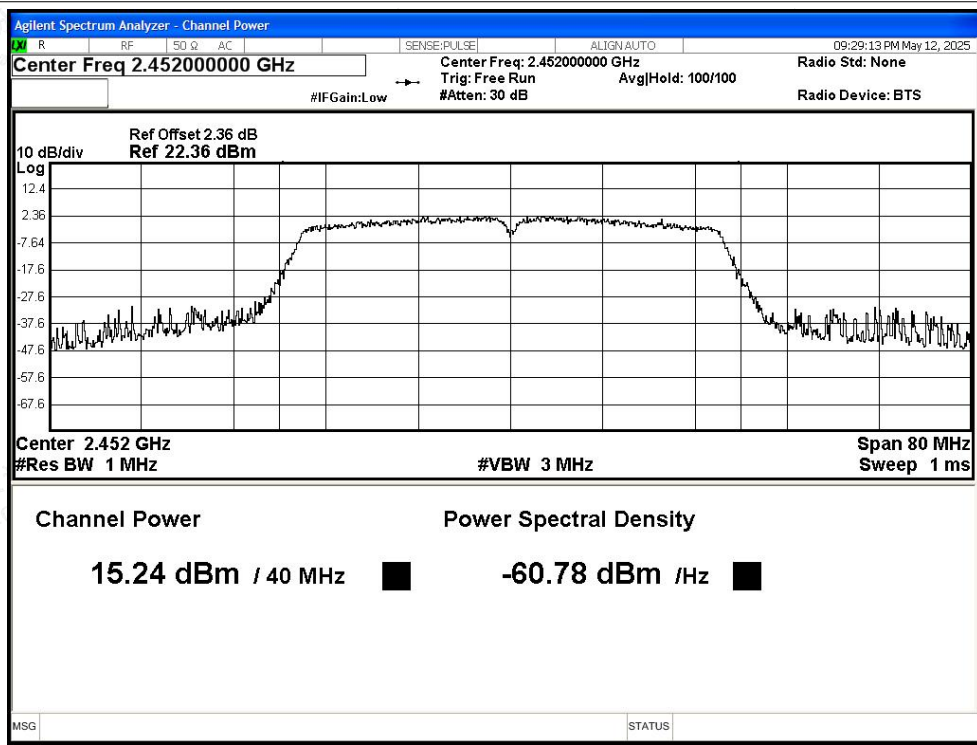




Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1





C.3 Maximum Power Spectral Density Level

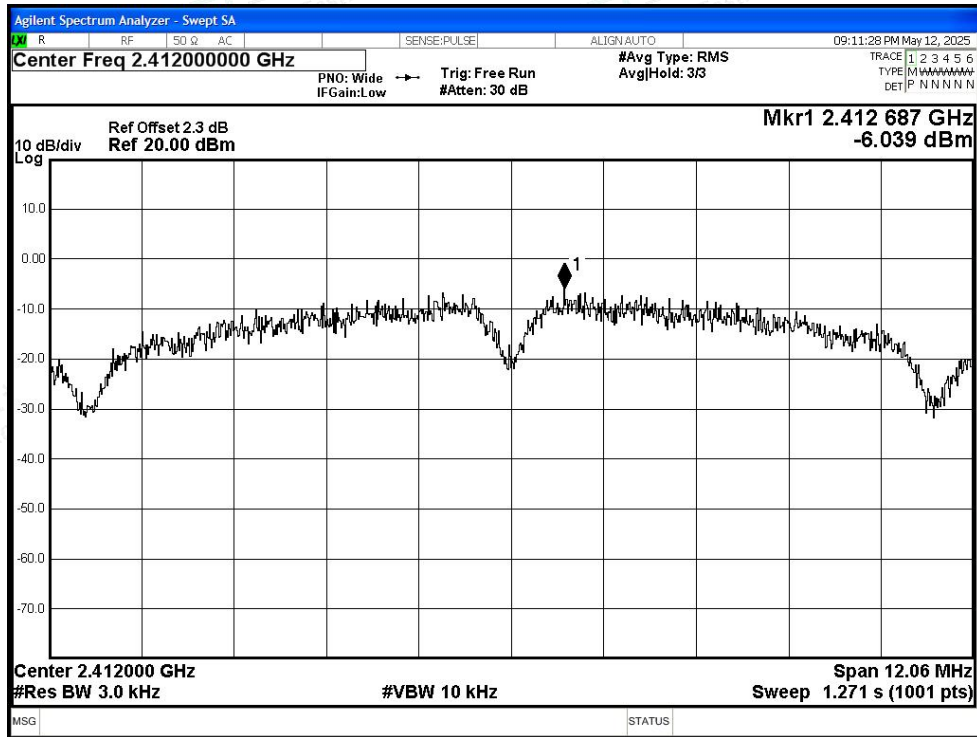
Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-6.04	8	Pass
NVNT	b	2437	Ant1	-6.3	8	Pass
NVNT	b	2462	Ant1	-5.68	8	Pass
NVNT	g	2412	Ant1	-13.44	8	Pass
NVNT	g	2437	Ant1	-12.4	8	Pass
NVNT	g	2462	Ant1	-11.64	8	Pass
NVNT	n20	2412	Ant1	-13.97	8	Pass
NVNT	n20	2437	Ant1	-12.66	8	Pass
NVNT	n20	2462	Ant1	-13.45	8	Pass
NVNT	n40	2422	Ant1	-15.23	8	Pass
NVNT	n40	2437	Ant1	-16.39	8	Pass
NVNT	n40	2452	Ant1	-17.76	8	Pass



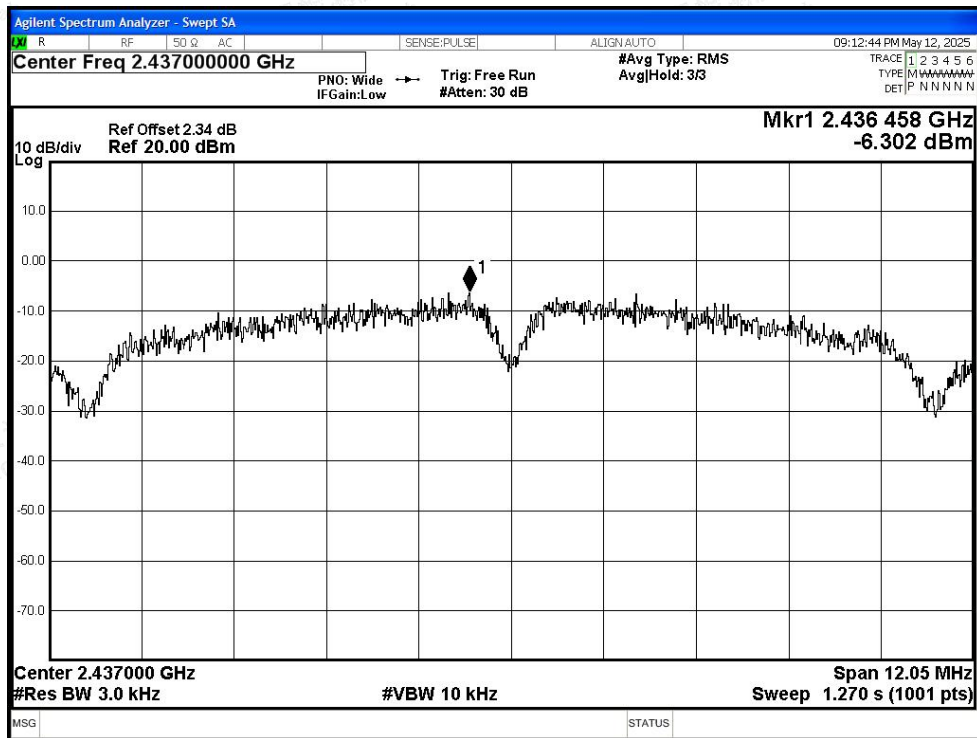


Test Graphs

PSD NVNT b 2412MHz Ant1

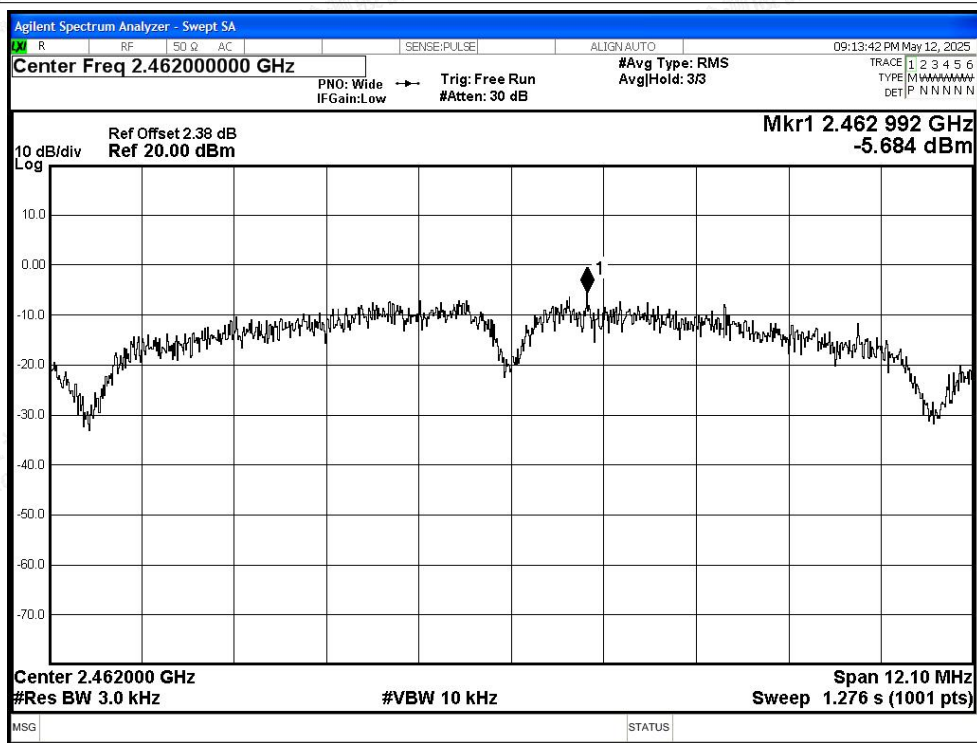


PSD NVNT b 2437MHz Ant1

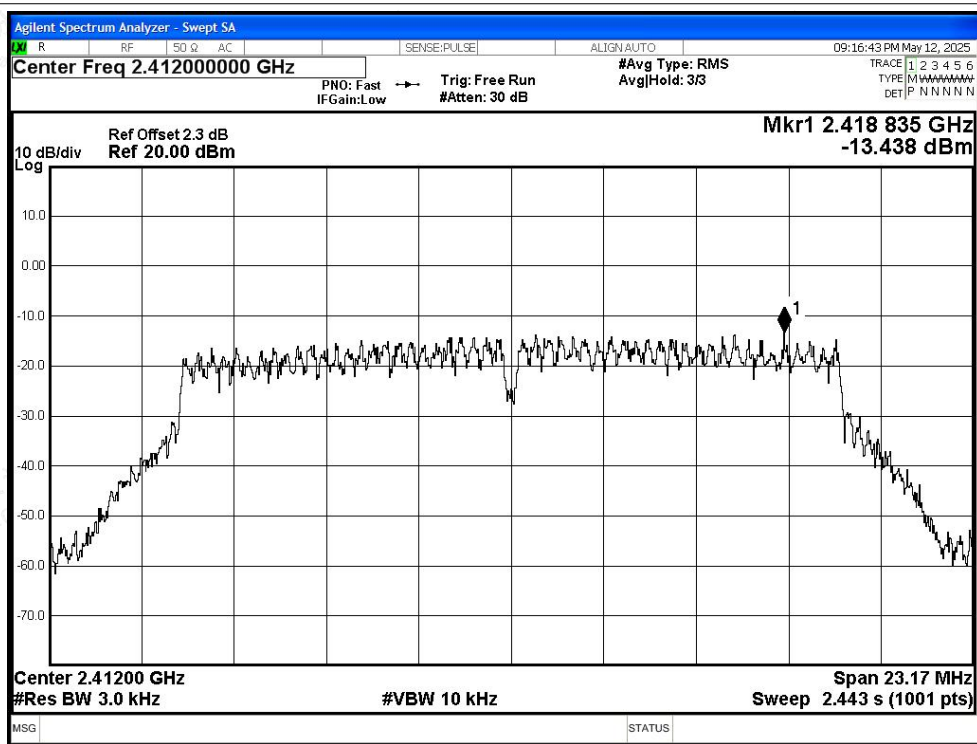




PSD NVNT b 2462MHz Ant1

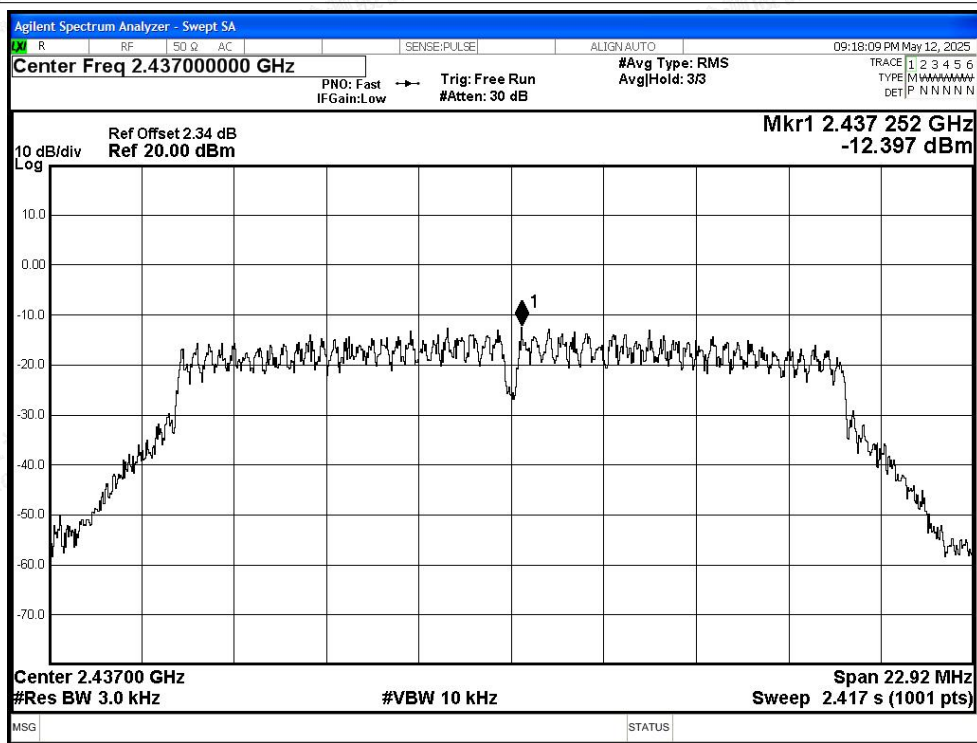


PSD NVNT g 2412MHz Ant1

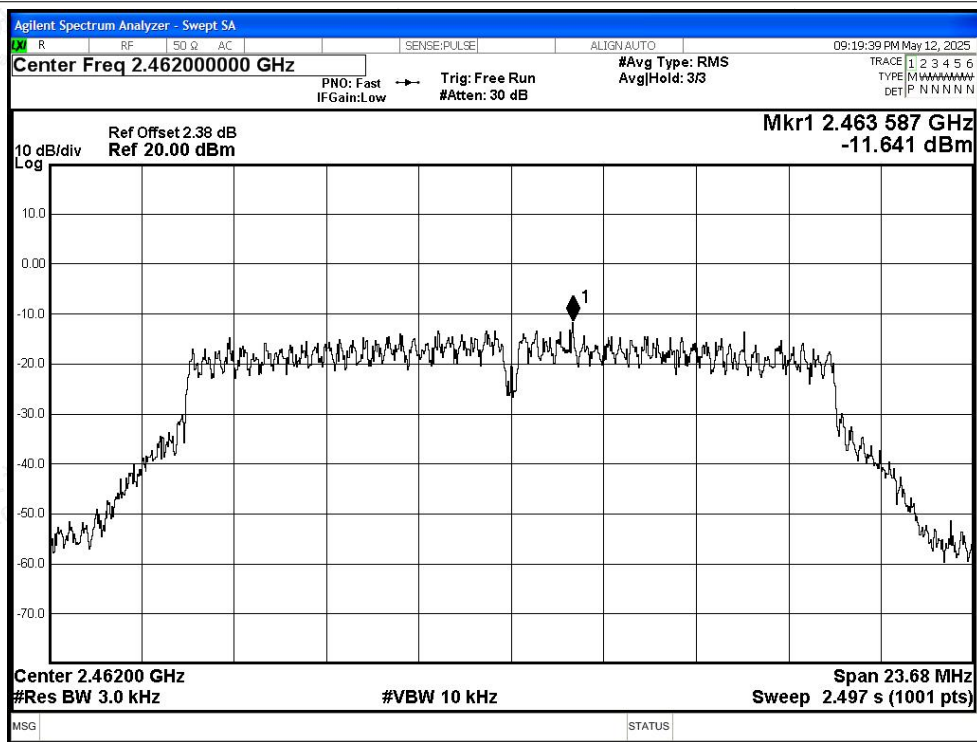


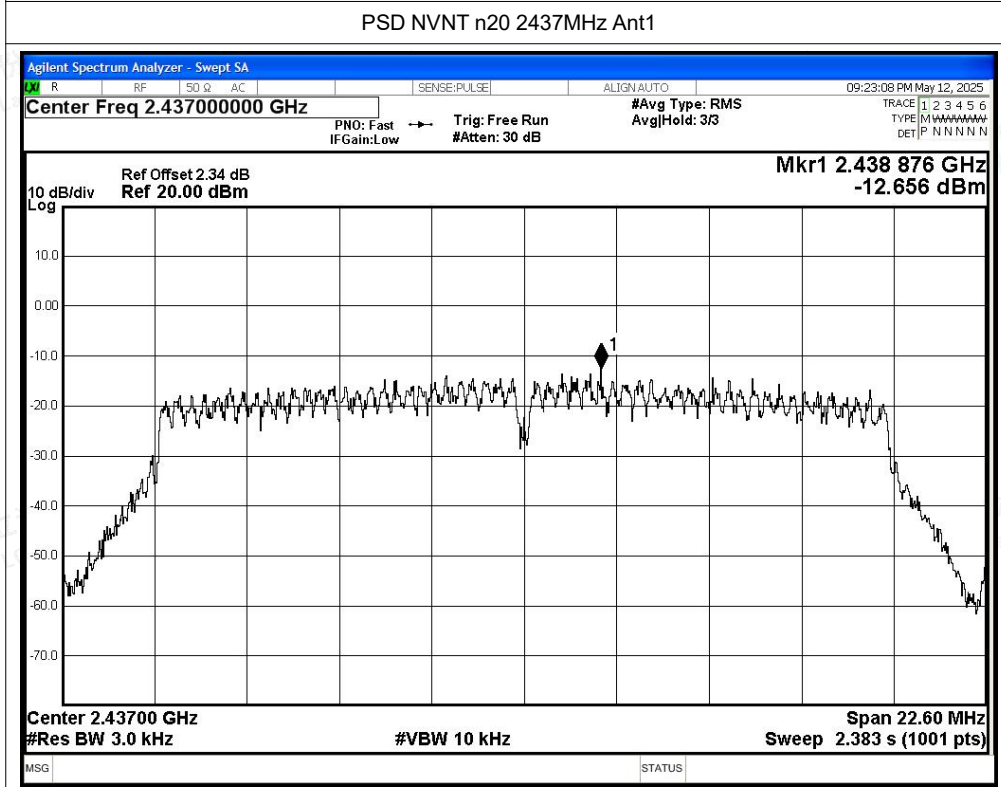
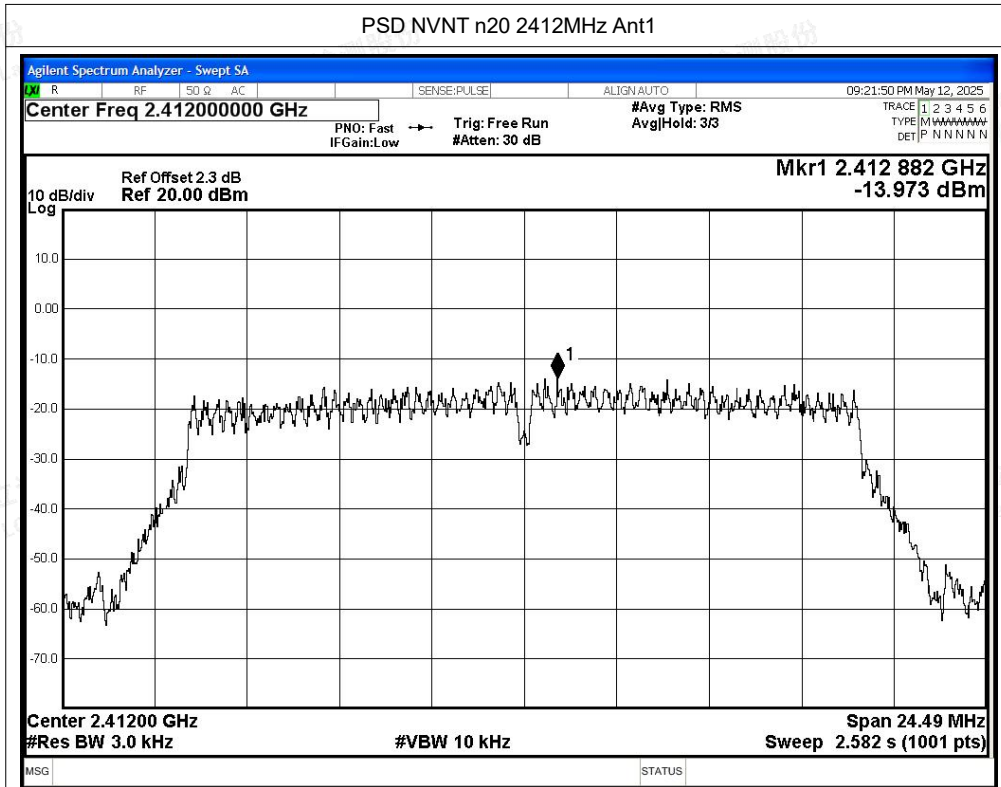


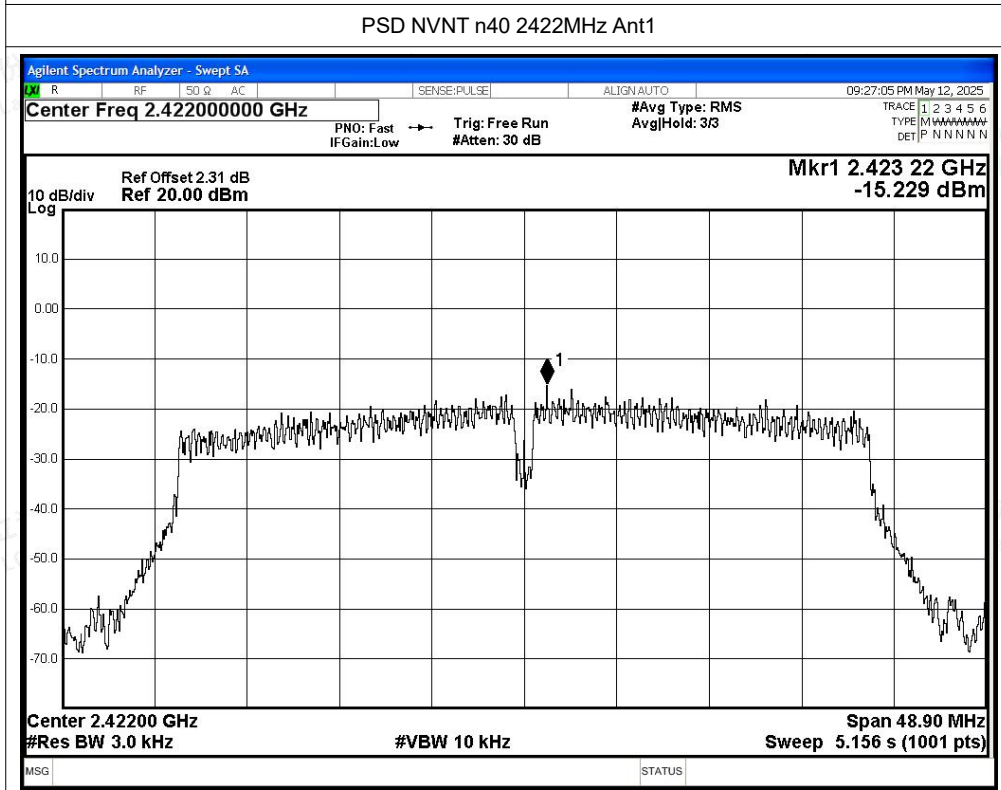
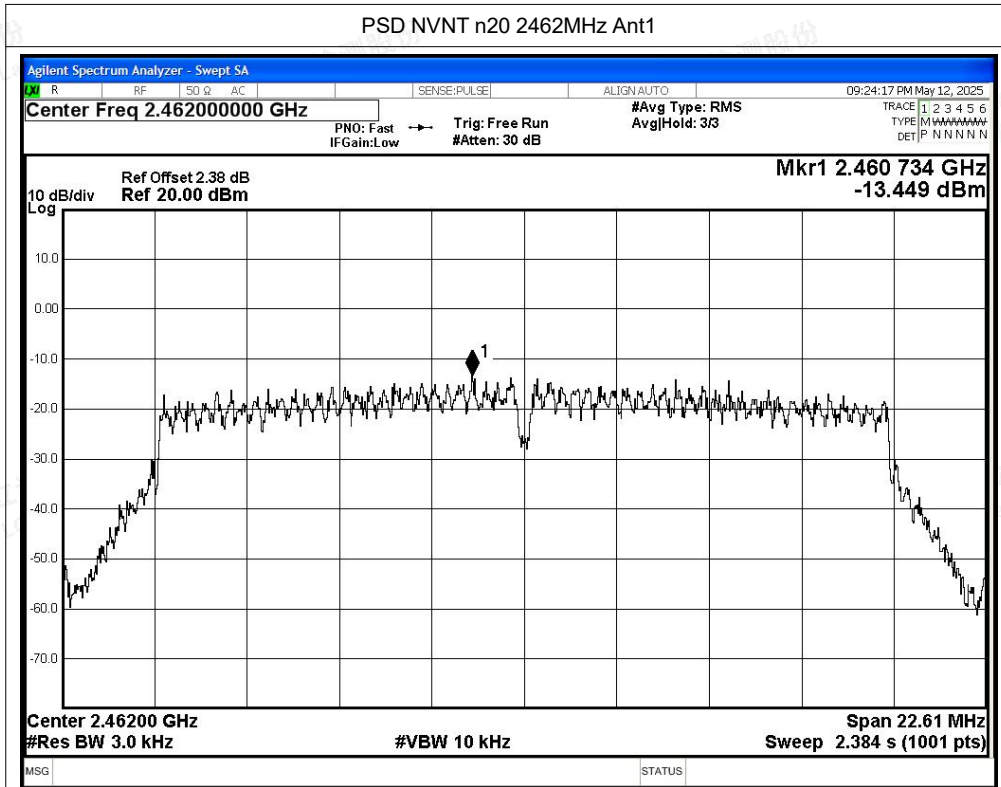
PSD NVNT g 2437MHz Ant1



PSD NVNT g 2462MHz Ant1

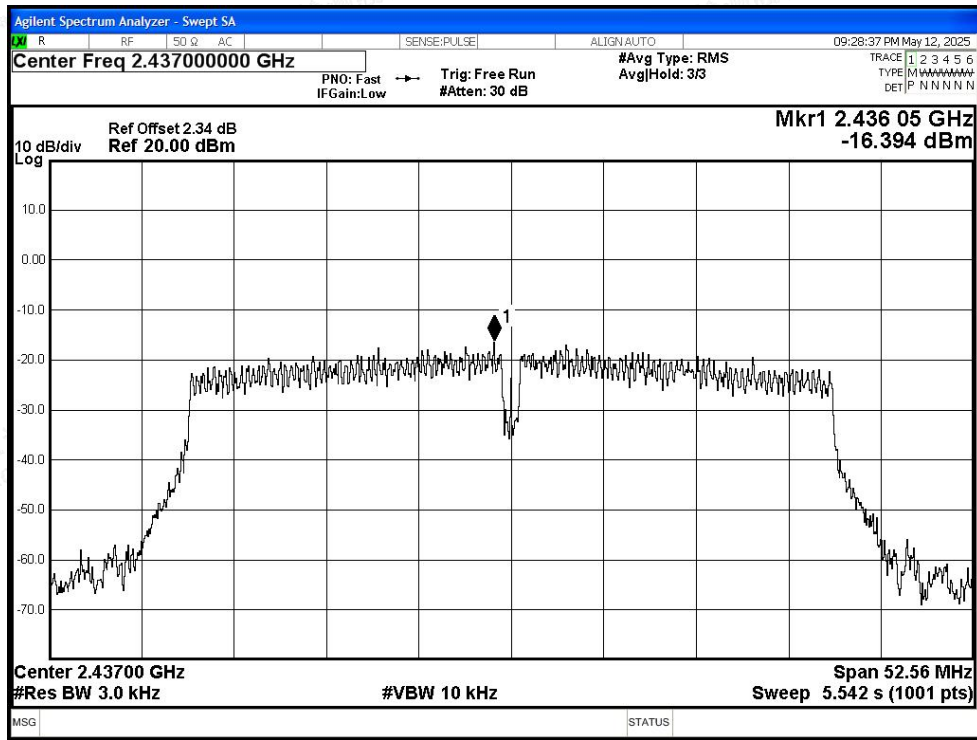




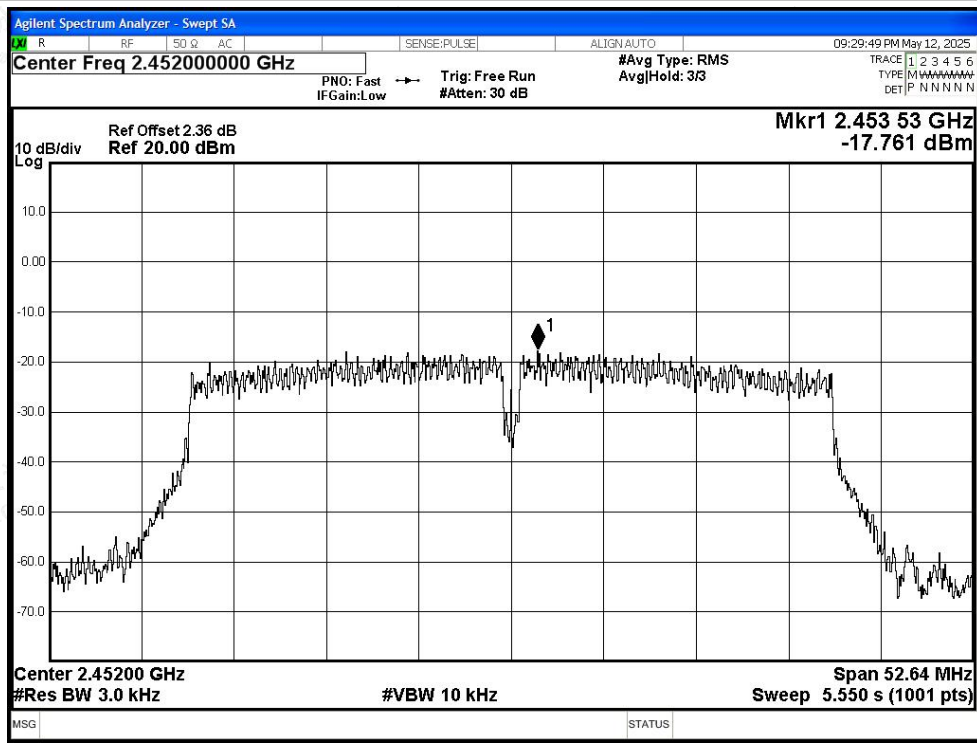




PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1





C.4 Band Edge

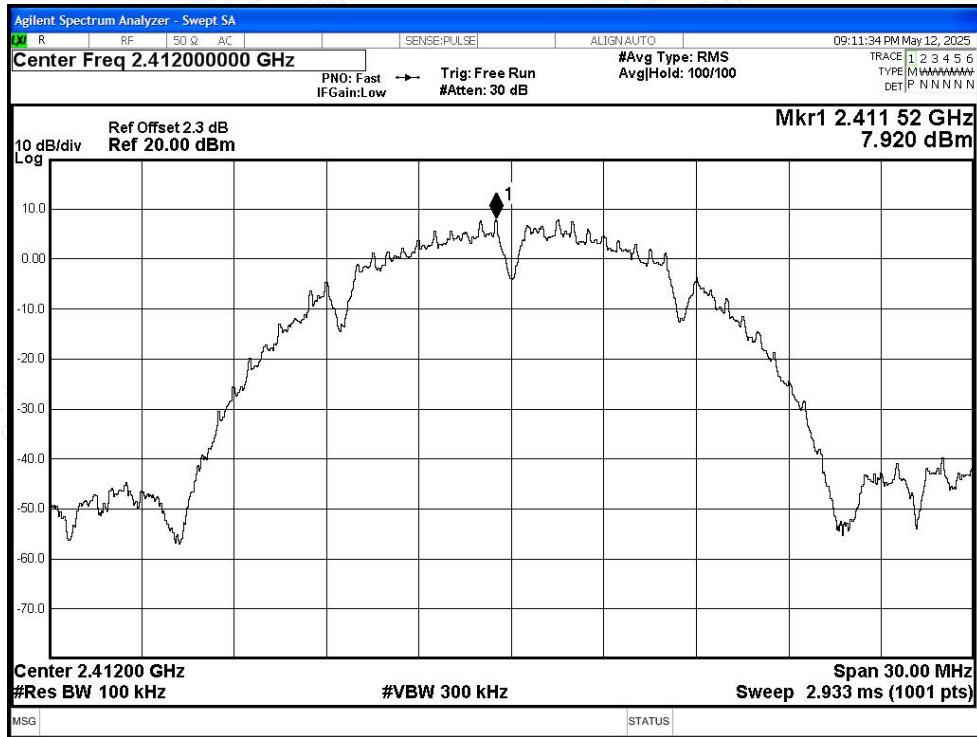
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.8	-20	Pass
NVNT	b	2462	Ant1	-57.74	-20	Pass
NVNT	g	2412	Ant1	-38.86	-20	Pass
NVNT	g	2462	Ant1	-51.49	-20	Pass
NVNT	n20	2412	Ant1	-39.38	-20	Pass
NVNT	n20	2462	Ant1	-50.97	-20	Pass
NVNT	n40	2422	Ant1	-40.62	-20	Pass
NVNT	n40	2452	Ant1	-40.76	-20	Pass



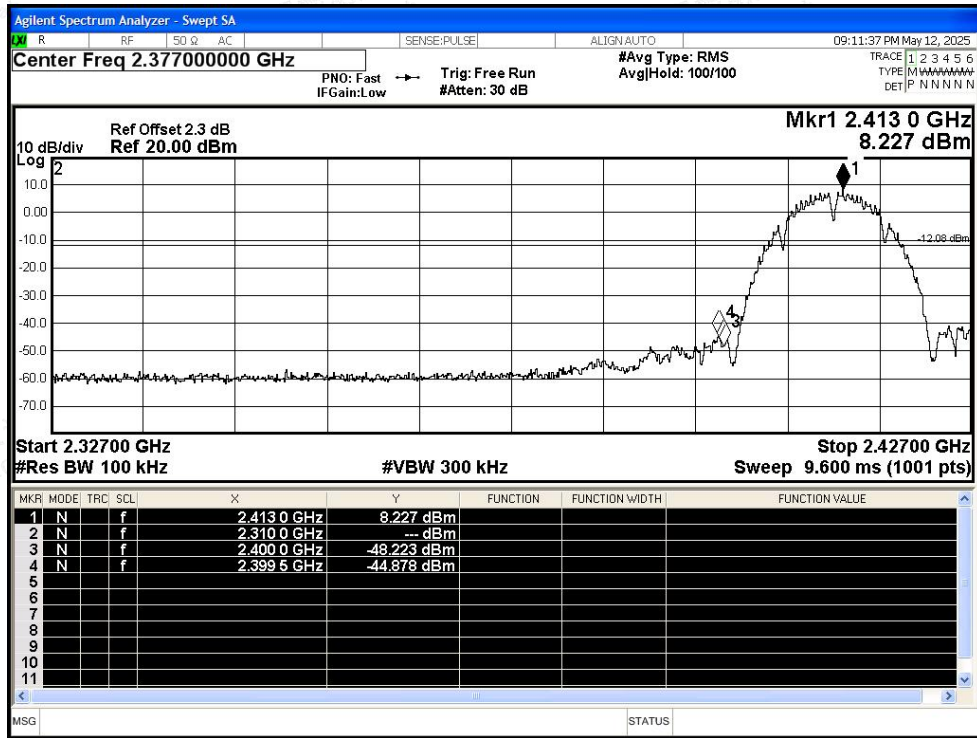


Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

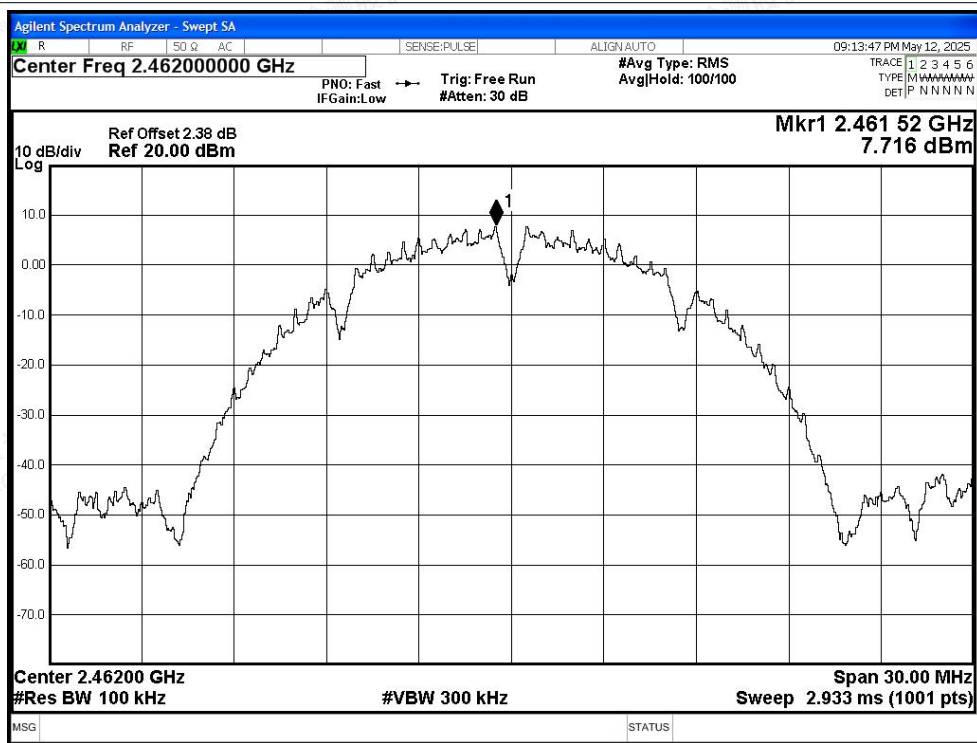


Band Edge NVNT b 2412MHz Ant1 Emission

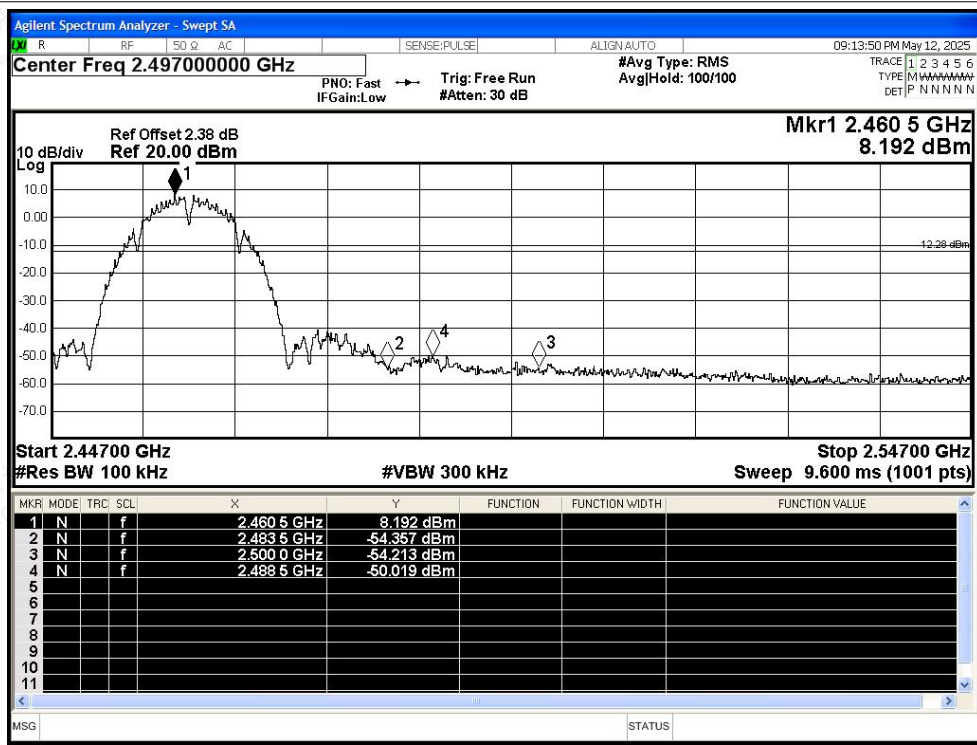




Band Edge NVNT b 2462MHz Ant1 Ref

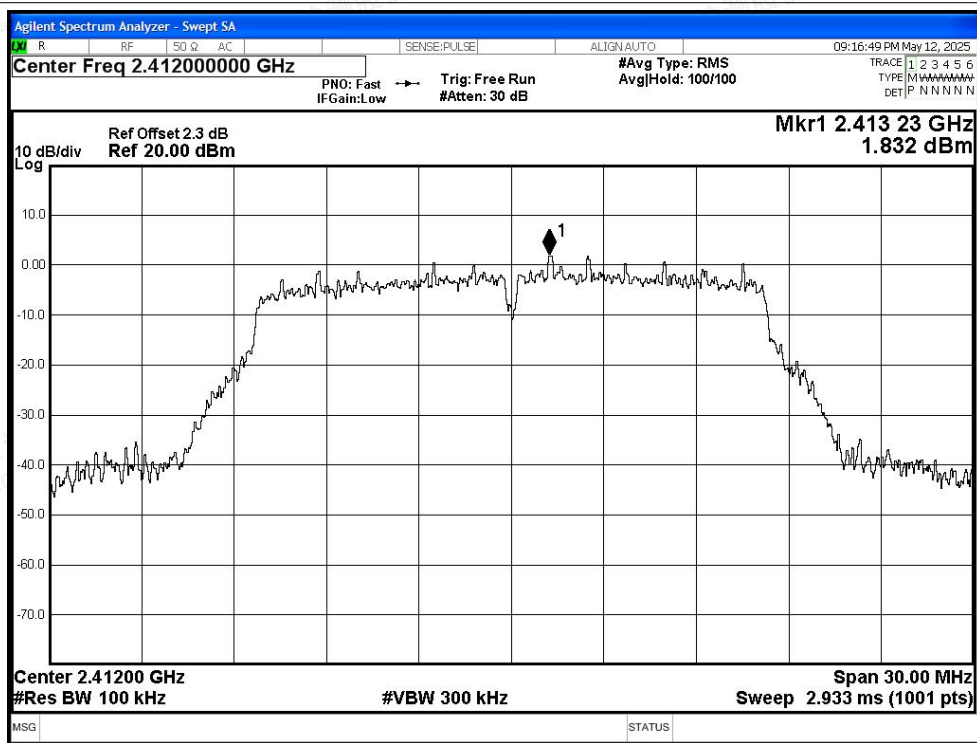


Band Edge NVNT b 2462MHz Ant1 Emission





Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission

