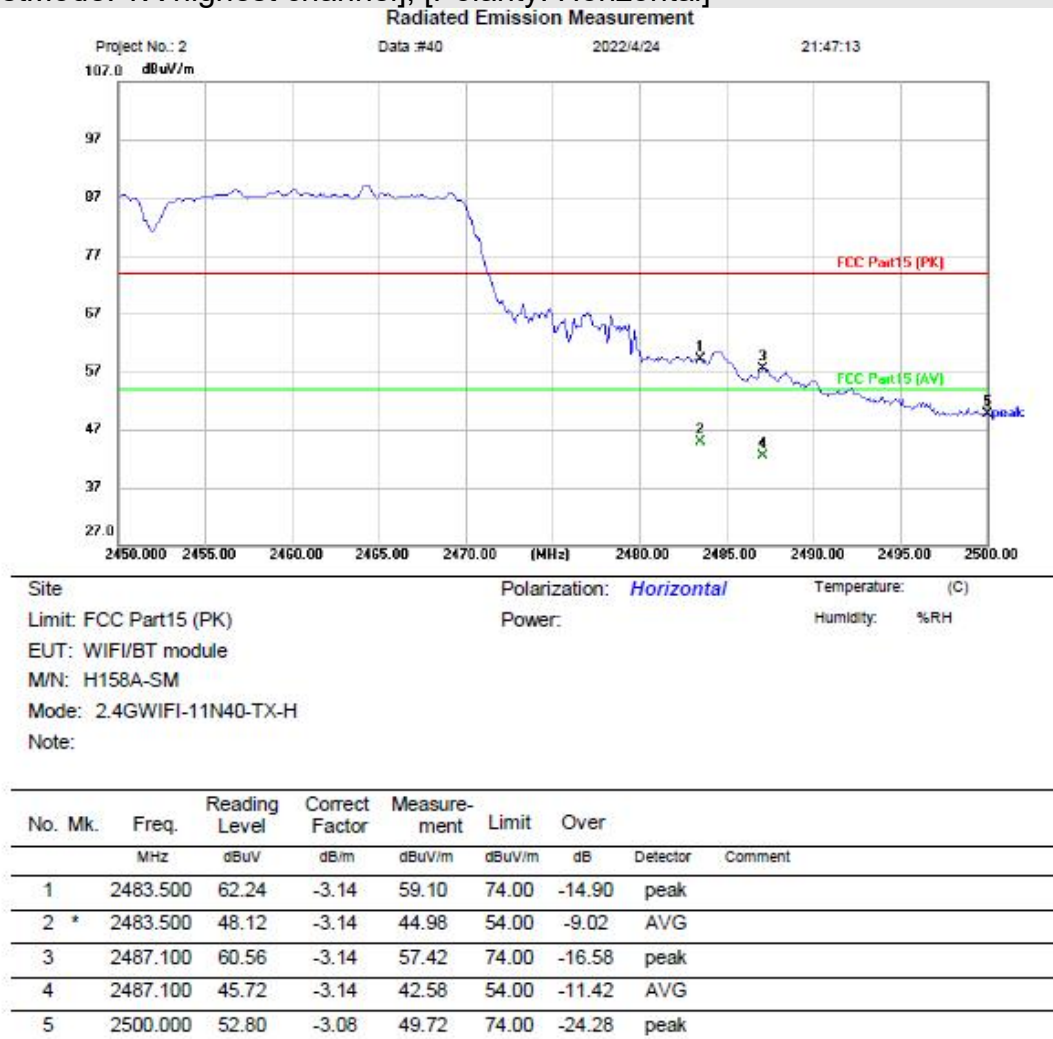


[TestMode: TX highest channel]; [Polarity: Horizontal]



Test Result: Pass

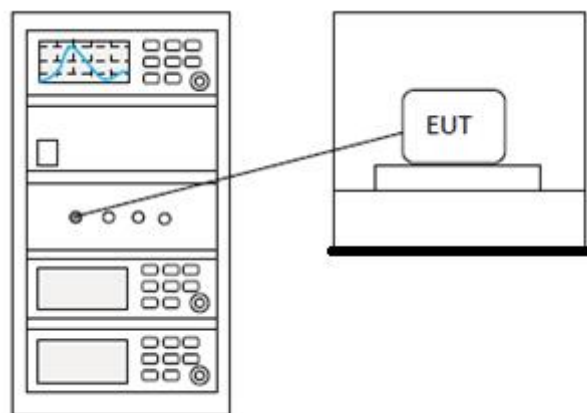
17 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6 & Section 11.11
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

17.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 TEST DATA**Pass: Please Refer To Appendix: Appendix1 For Details**

BlueAsia

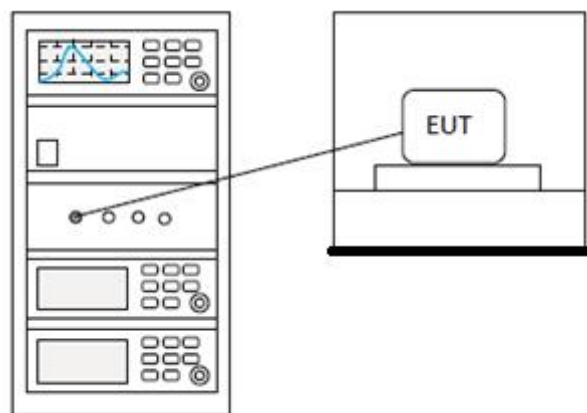
18 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

18.1 LIMITS

Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
---------------	--

18.2 BLOCK DIAGRAM OF TEST SETUP



18.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

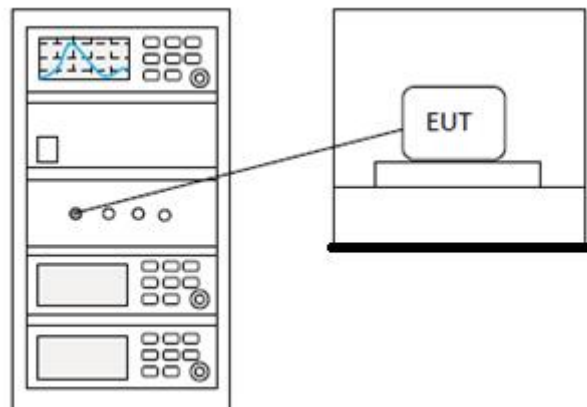
19 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25℃
Humidity	60%

19.1 LIMITS

Limit:	≥ 500 kHz
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19.2 BLOCK DIAGRAM OF TEST SETUP



19.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

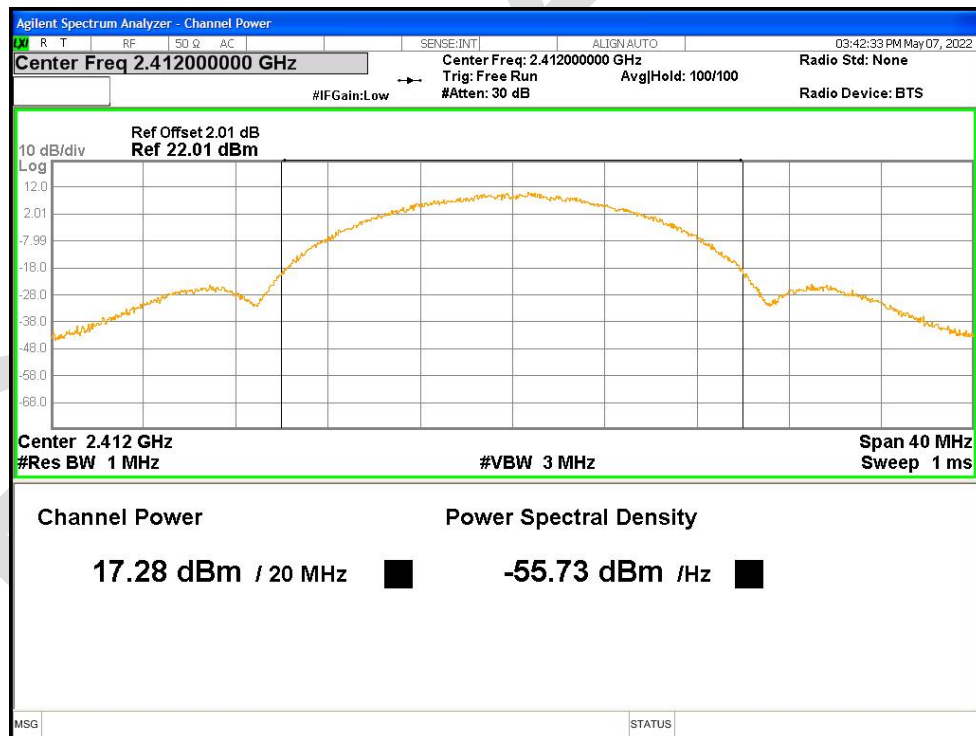
20 APPENDIX

Appendix1

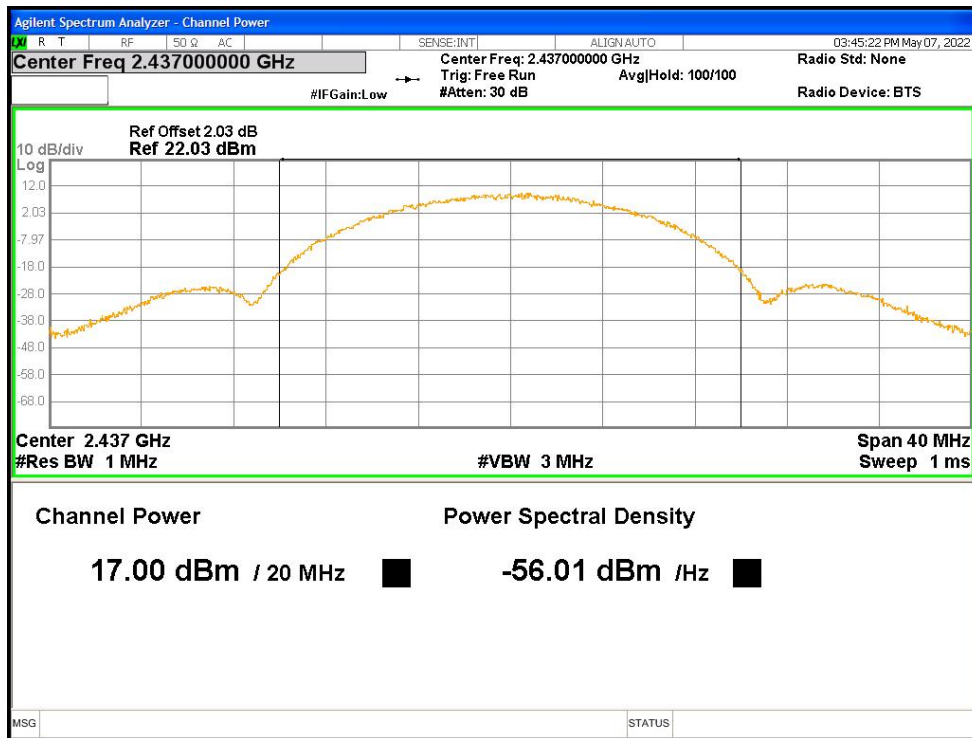
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.285	30	Pass
NVNT	b	2437	Ant1	16.997	30	Pass
NVNT	b	2462	Ant1	17.2	30	Pass
NVNT	g	2412	Ant1	14.777	30	Pass
NVNT	g	2437	Ant1	14.618	30	Pass
NVNT	g	2462	Ant1	14.853	30	Pass
NVNT	n20	2412	Ant1	14.909	30	Pass
NVNT	n20	2437	Ant1	14.702	30	Pass
NVNT	n20	2462	Ant1	14.847	30	Pass
NVNT	n40	2422	Ant1	15.136	30	Pass
NVNT	n40	2437	Ant1	15.026	30	Pass
NVNT	n40	2452	Ant1	15.138	30	Pass

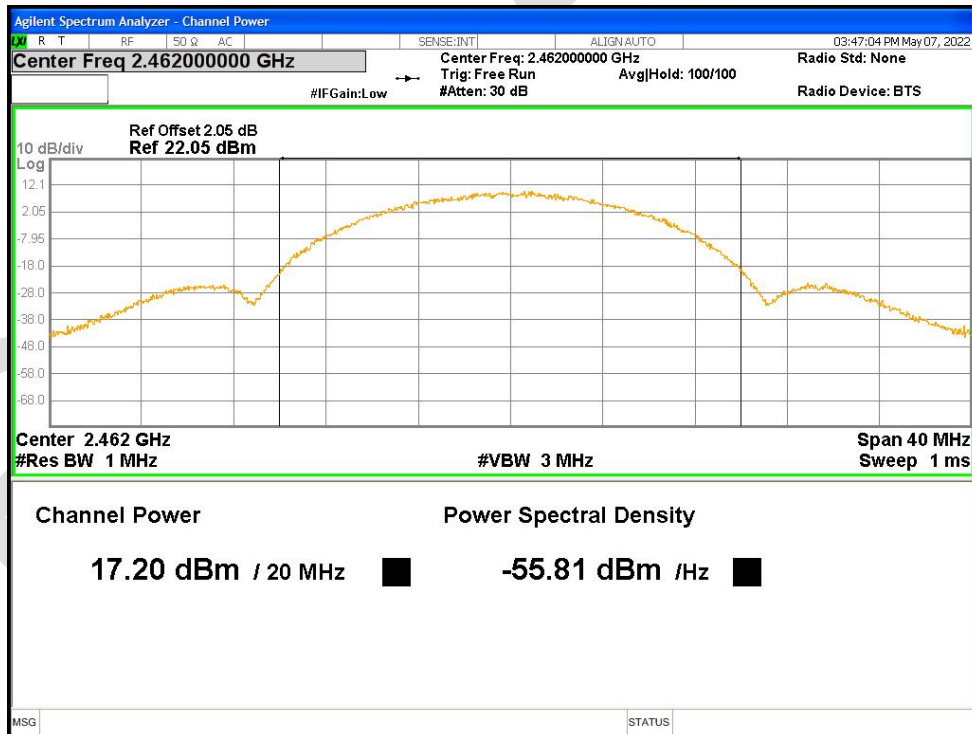
Power NVNT b 2412MHz Ant1



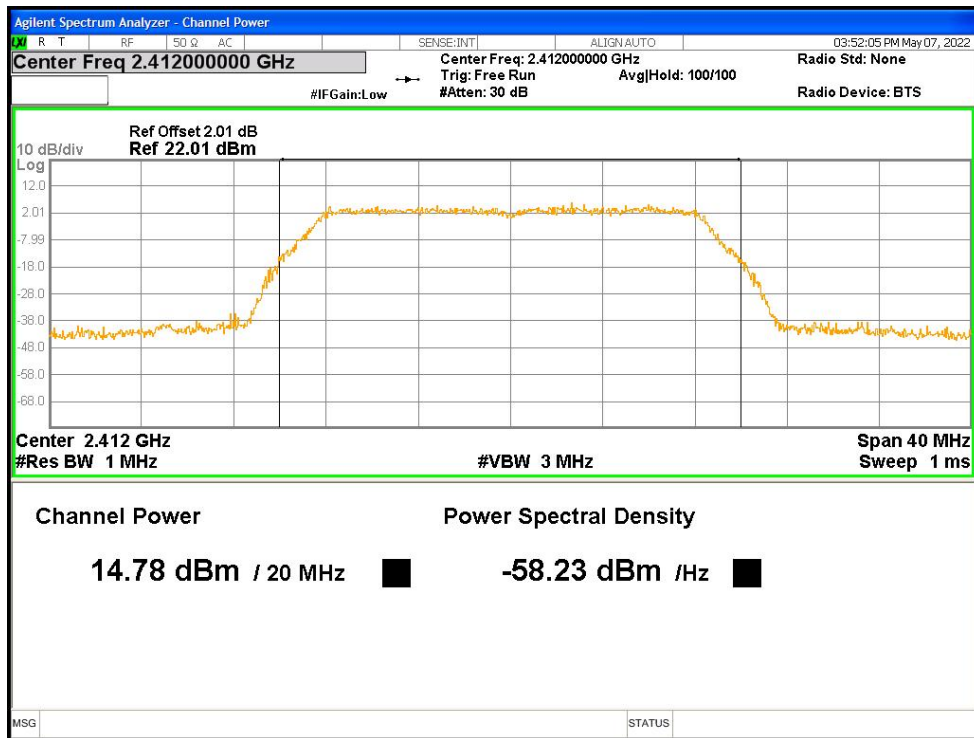
Power NVNT b 2437MHz Ant1



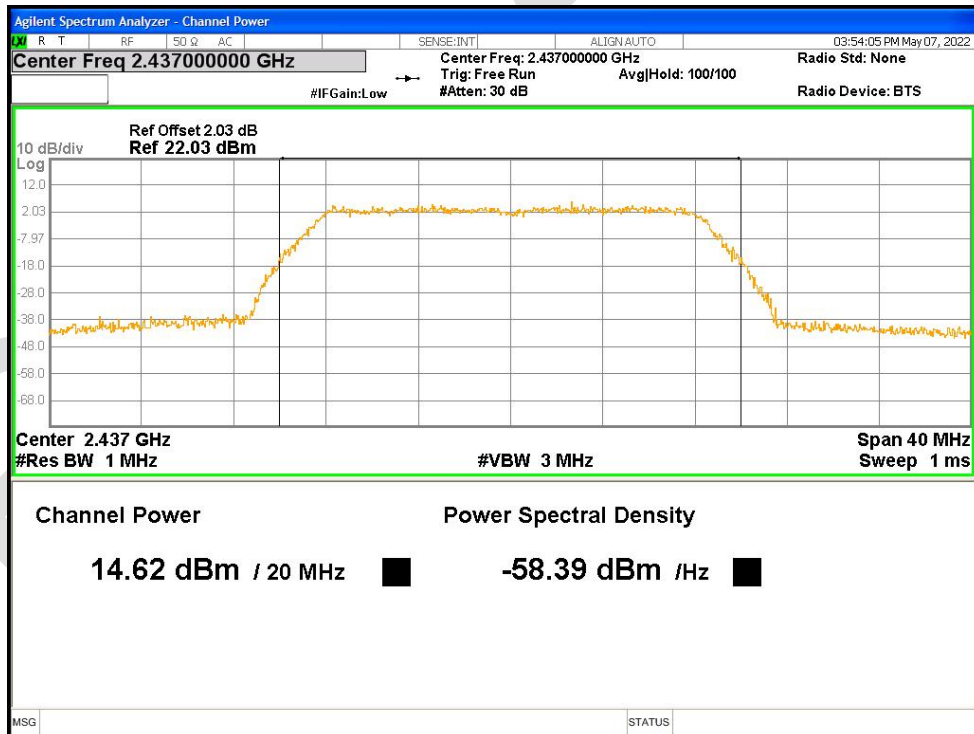
Power NVNT b 2462MHz Ant1



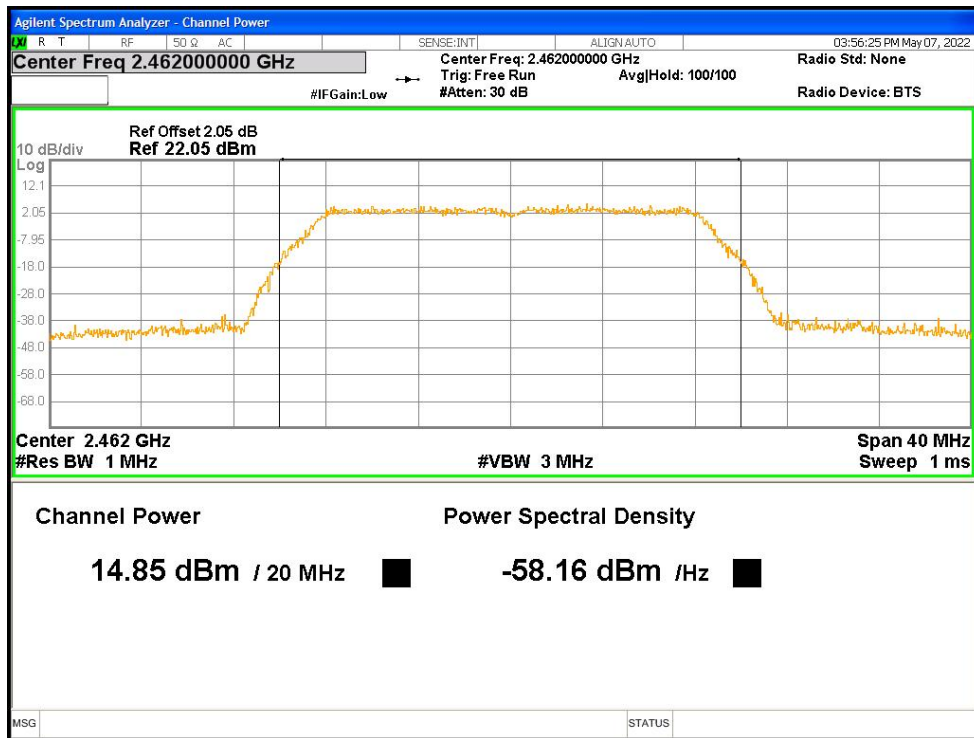
Power NVNT g 2412MHz Ant1



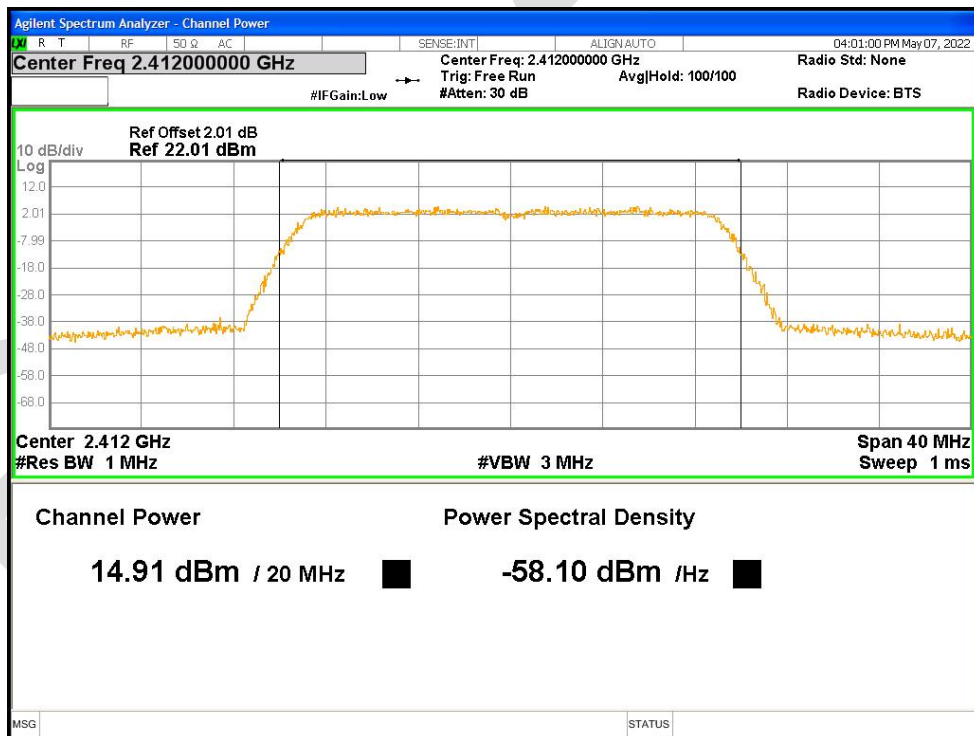
Power NVNT g 2437MHz Ant1



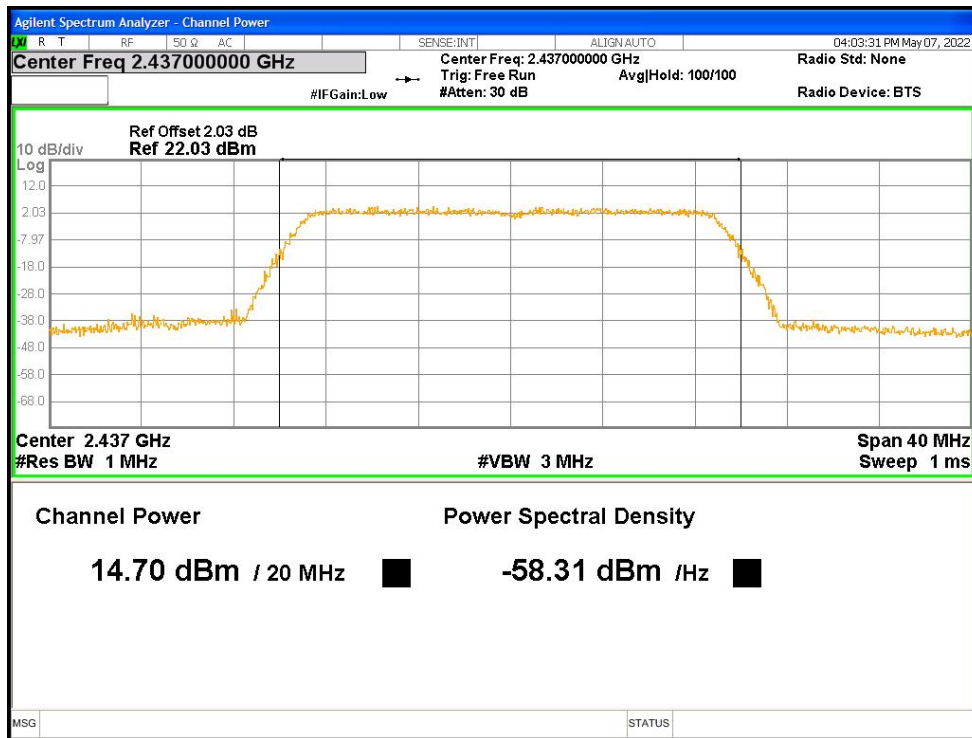
Power NVNT g 2462MHz Ant1



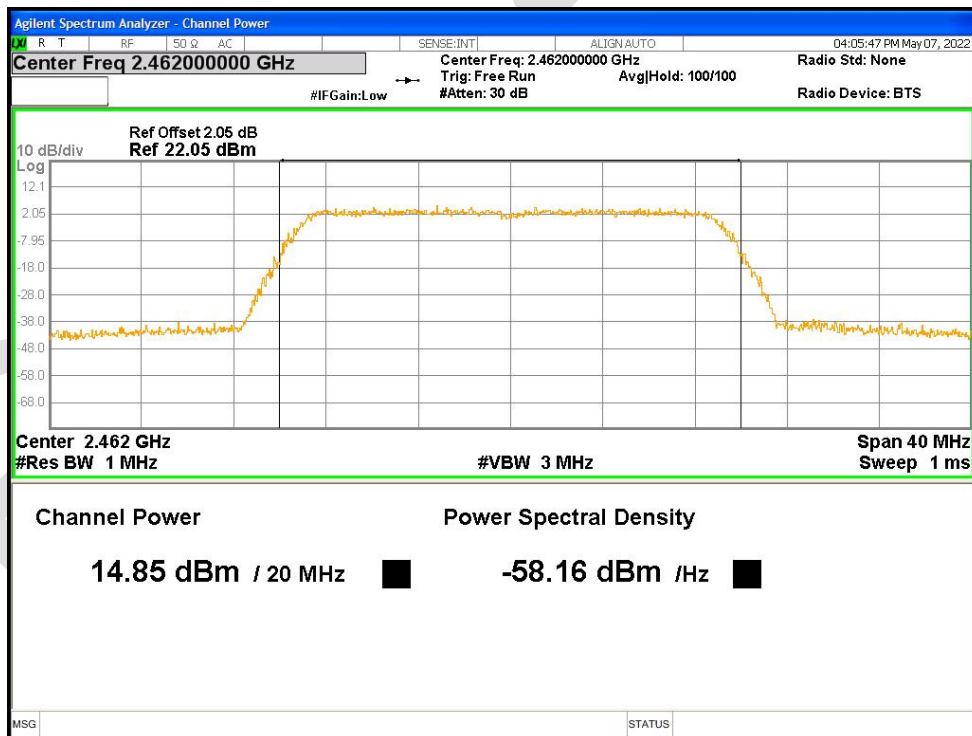
Power NVNT n20 2412MHz Ant1



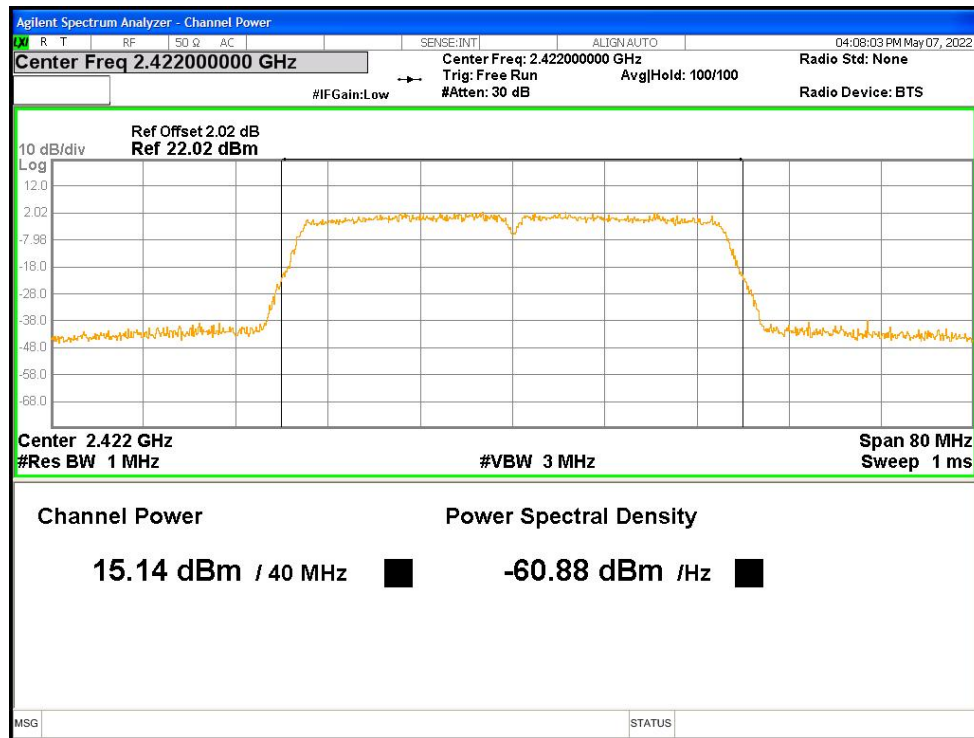
Power NVNT n20 2437MHz Ant1



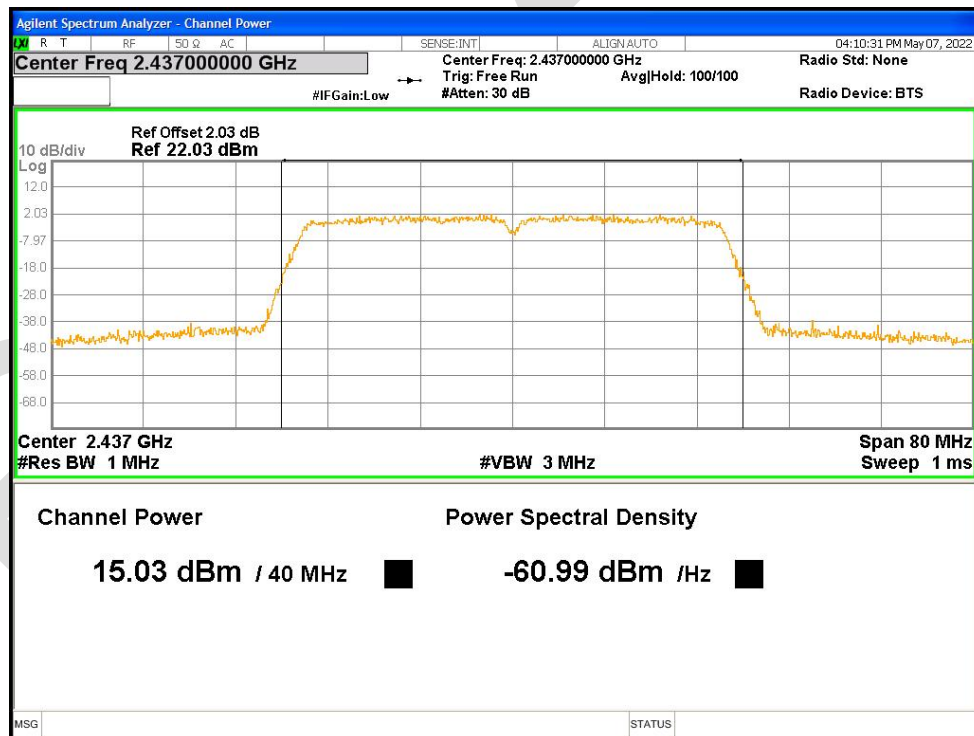
Power NVNT n20 2462MHz Ant1



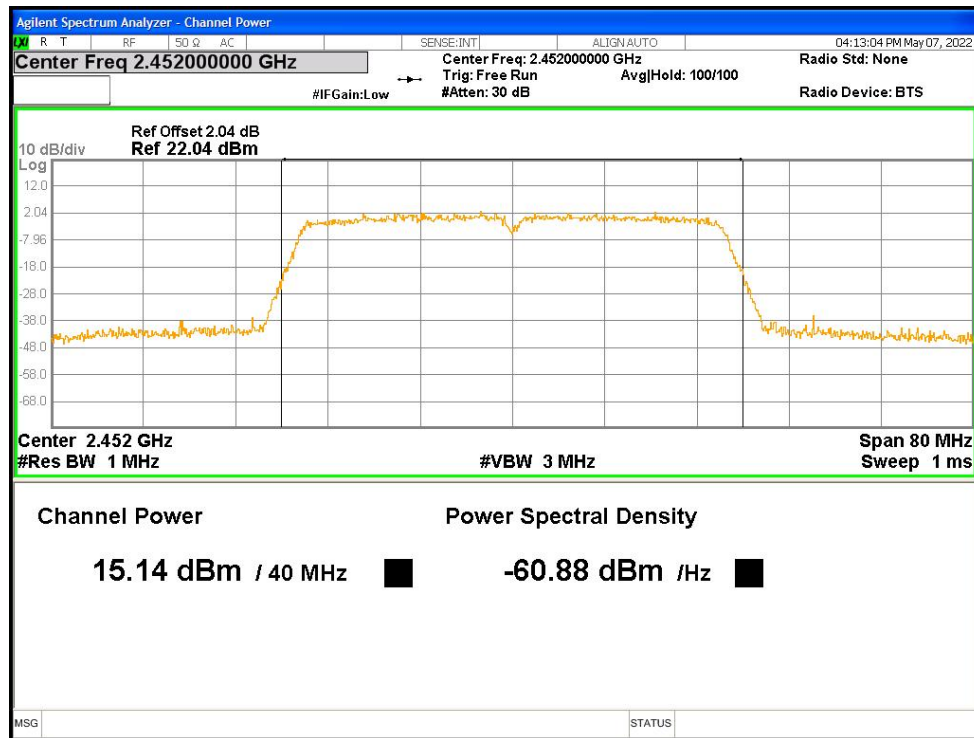
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



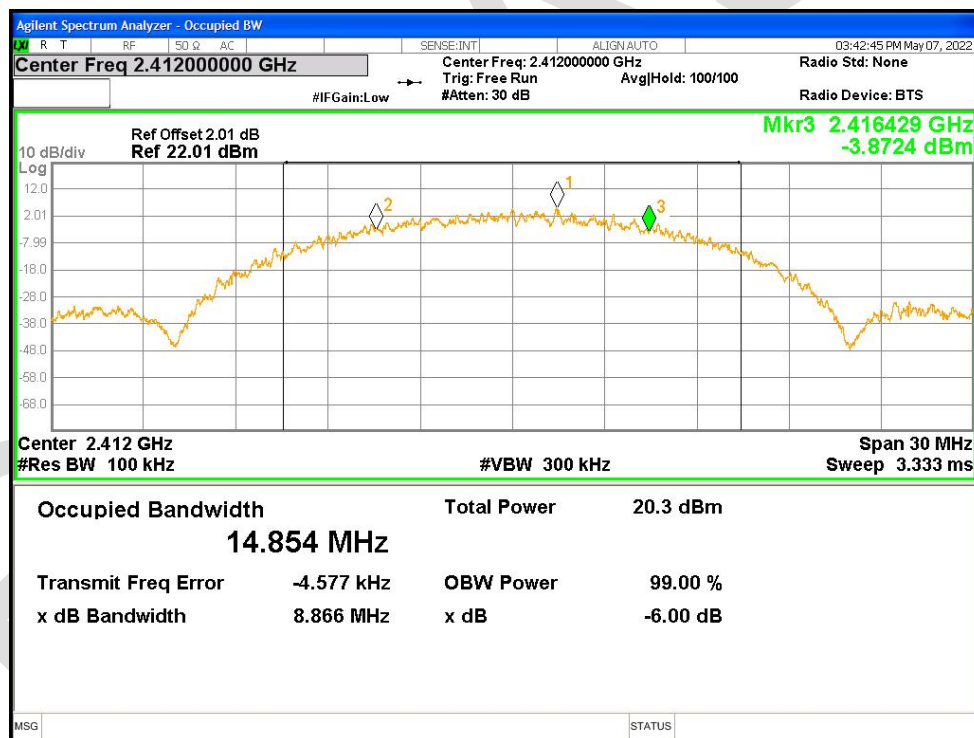
Power NVNT n40 2452MHz Ant1



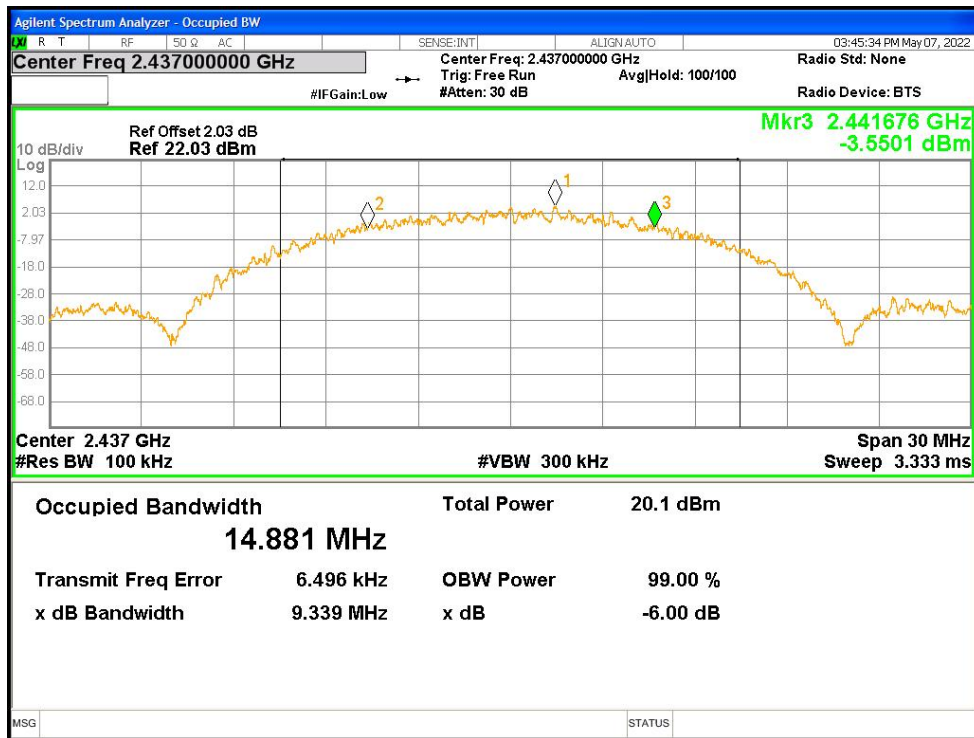
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.866	0.5	Pass
NVNT	b	2437	Ant1	9.339	0.5	Pass
NVNT	b	2462	Ant1	8.864	0.5	Pass
NVNT	g	2412	Ant1	16.448	0.5	Pass
NVNT	g	2437	Ant1	16.471	0.5	Pass
NVNT	g	2462	Ant1	16.455	0.5	Pass
NVNT	n20	2412	Ant1	17.733	0.5	Pass
NVNT	n20	2437	Ant1	17.738	0.5	Pass
NVNT	n20	2462	Ant1	17.723	0.5	Pass
NVNT	n40	2422	Ant1	35.641	0.5	Pass
NVNT	n40	2437	Ant1	36.318	0.5	Pass
NVNT	n40	2452	Ant1	36.043	0.5	Pass

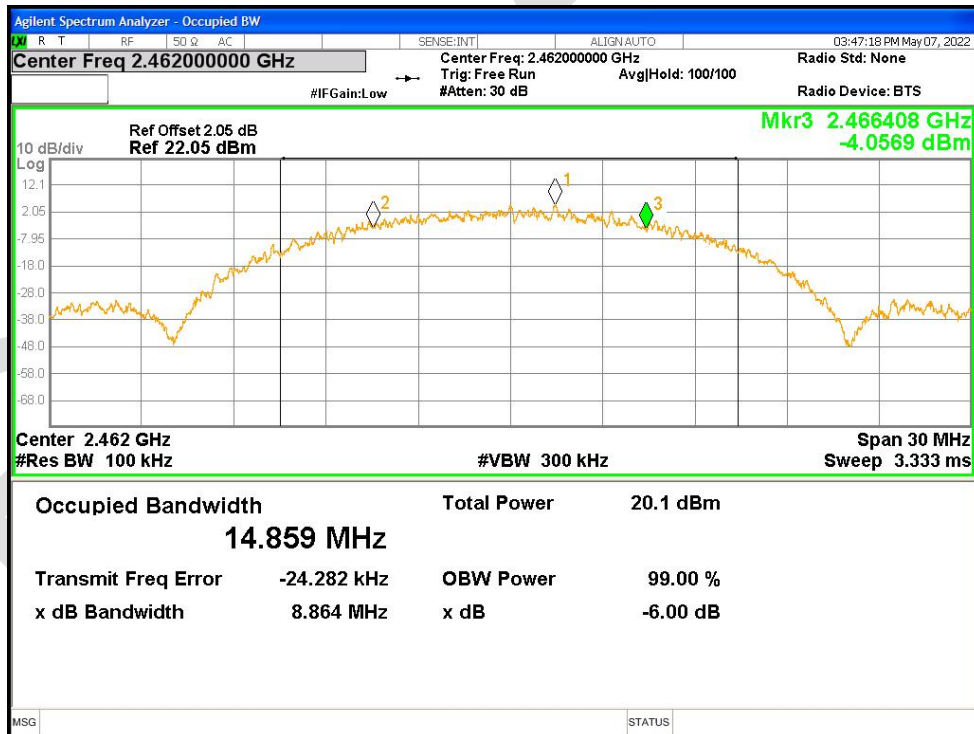
-6dB Bandwidth NVNT b 2412MHz Ant1



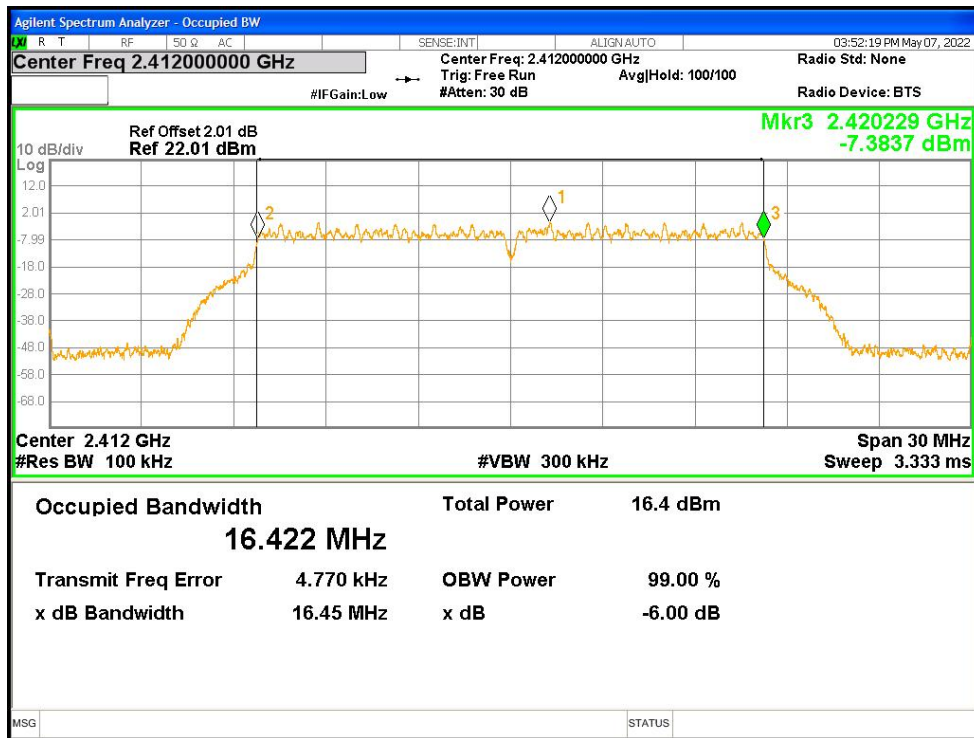
-6dB Bandwidth NVNT b 2437MHz Ant1



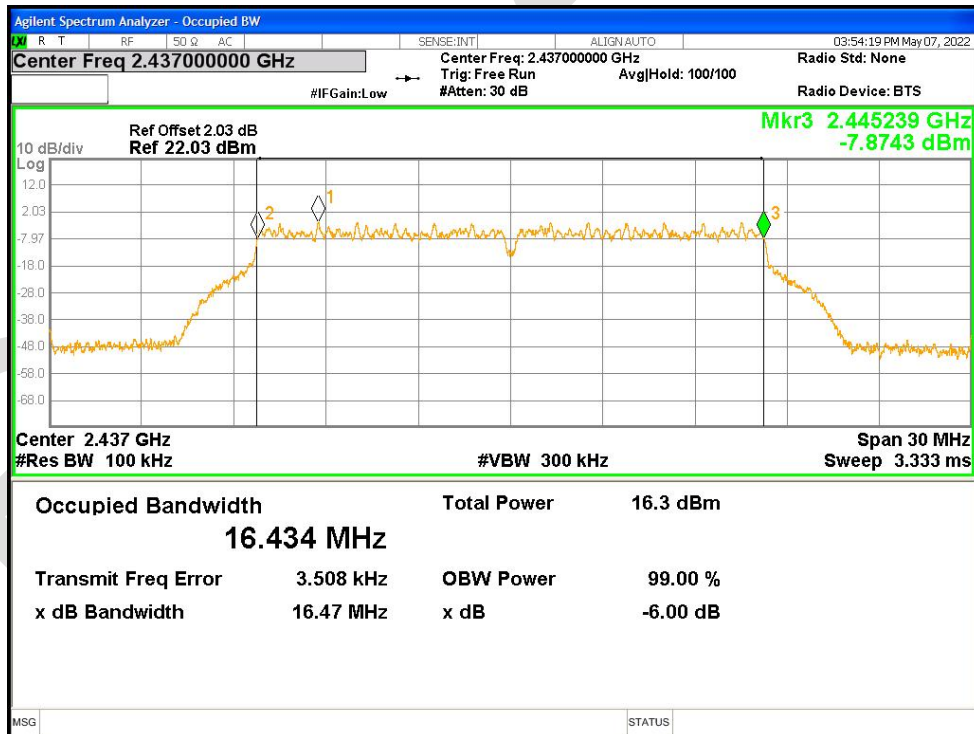
-6dB Bandwidth NVNT b 2462MHz Ant1



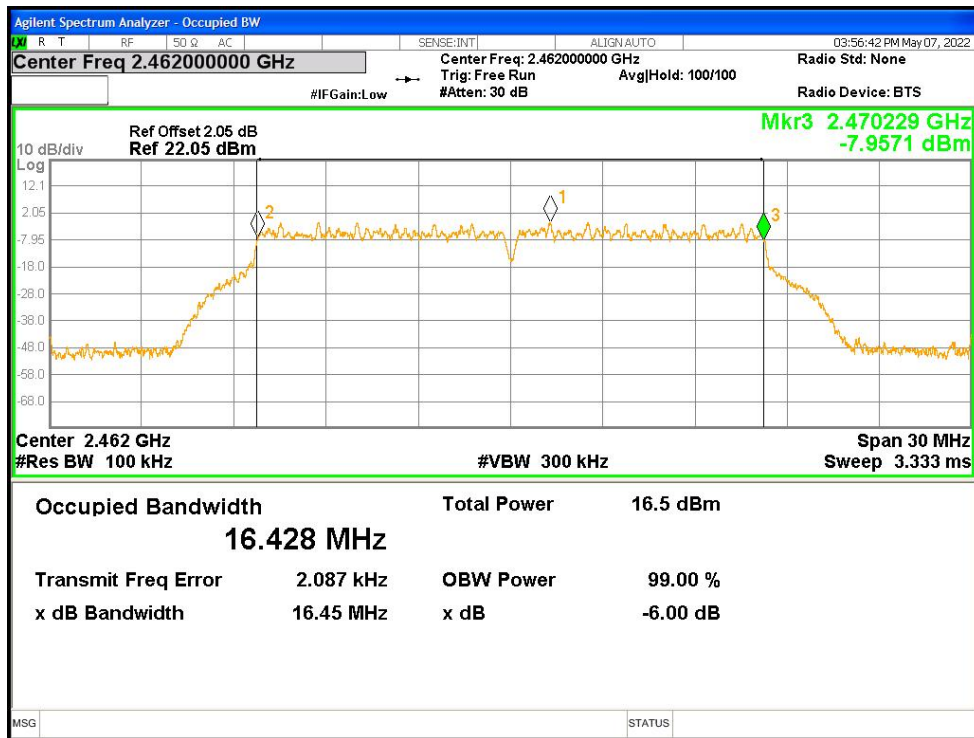
-6dB Bandwidth NVNT g 2412MHz Ant1



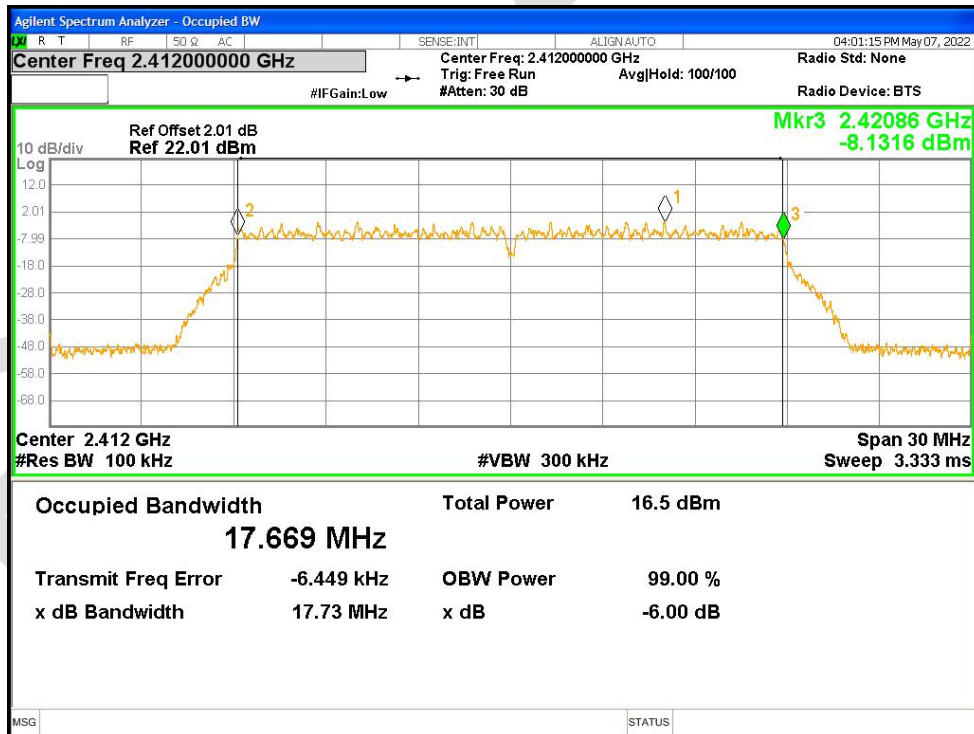
-6dB Bandwidth NVNT g 2437MHz Ant1



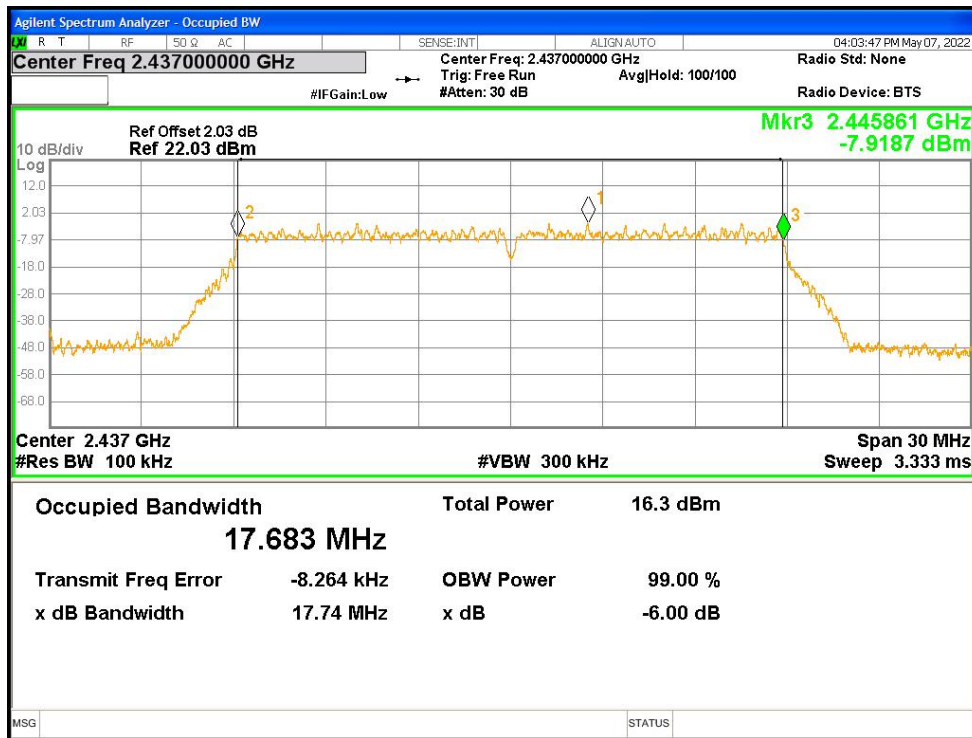
-6dB Bandwidth NVNT g 2462MHz Ant1



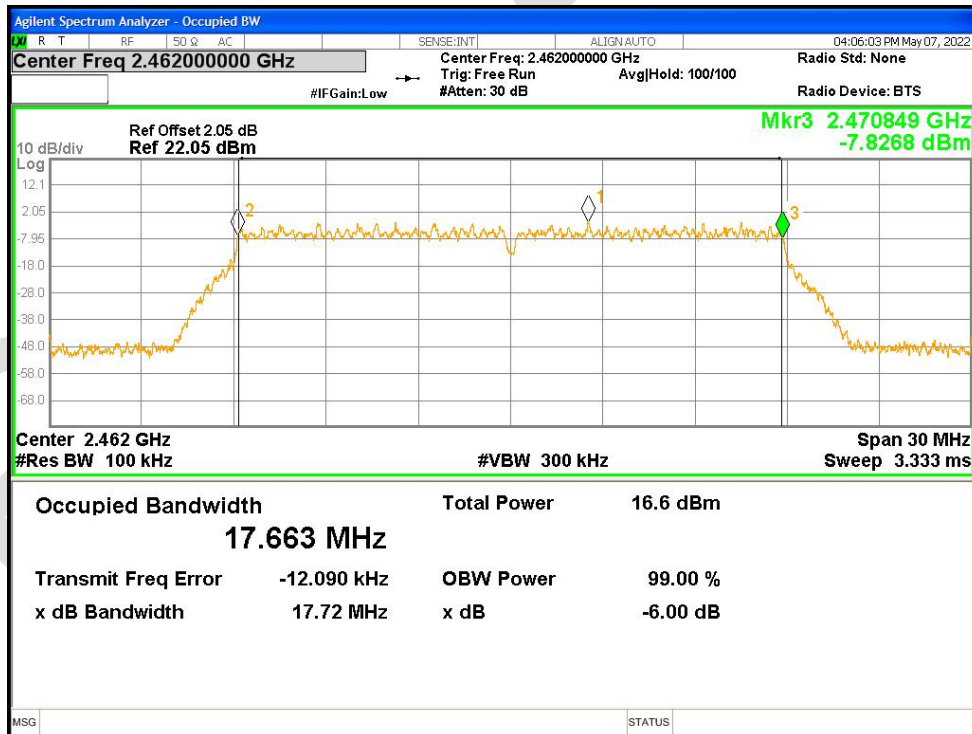
-6dB Bandwidth NVNT n20 2412MHz Ant1



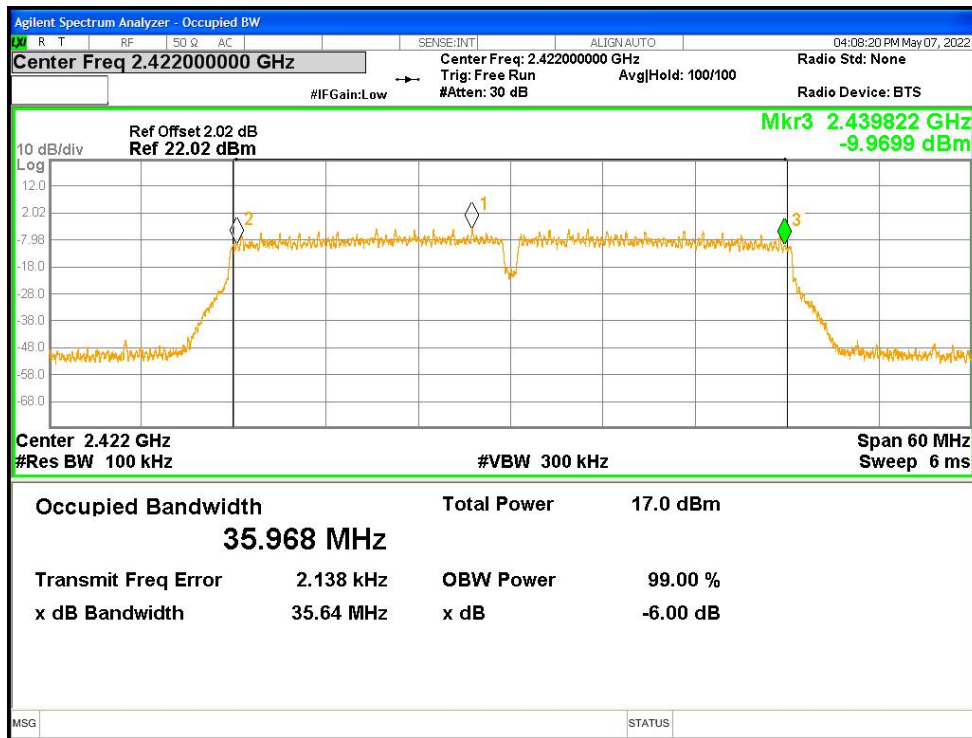
-6dB Bandwidth NVNT n20 2437MHz Ant1



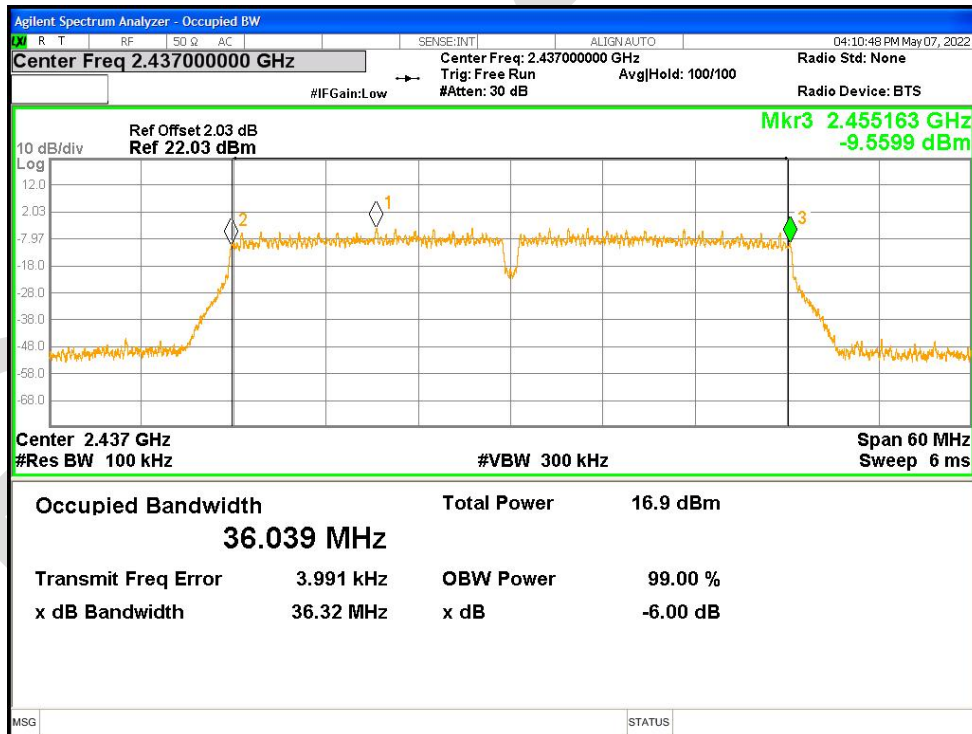
-6dB Bandwidth NVNT n20 2462MHz Ant1



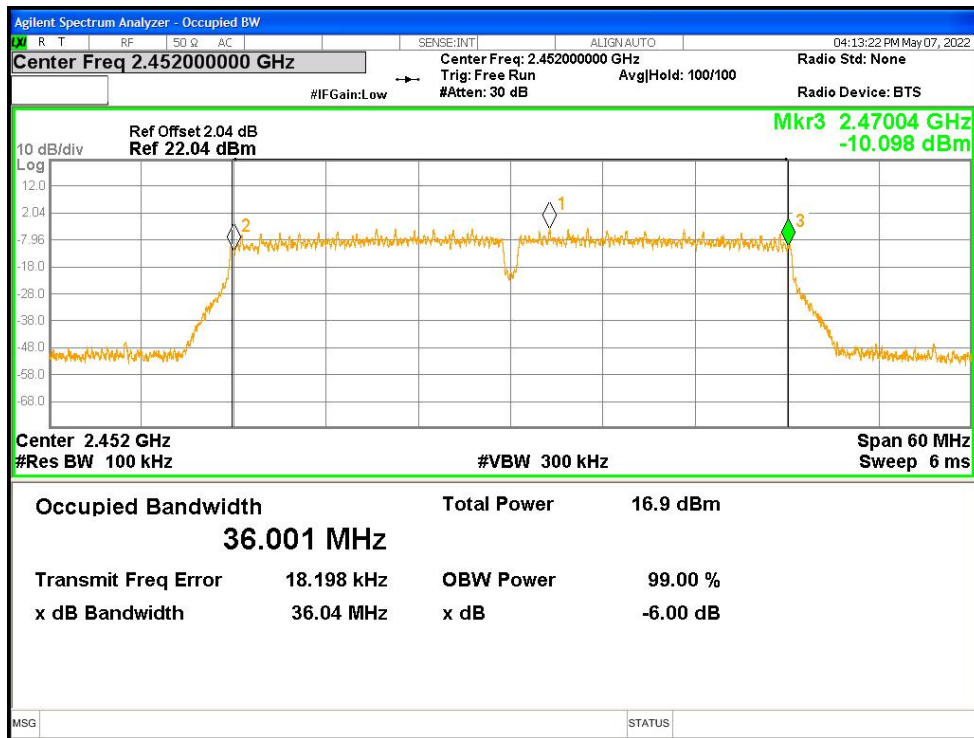
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



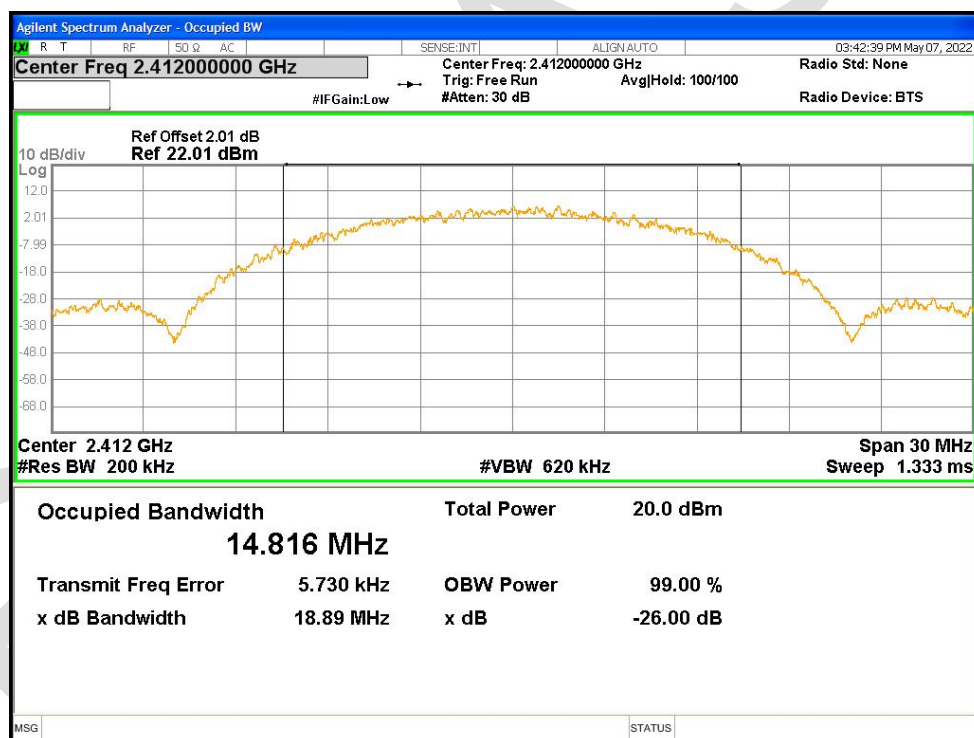
-6dB Bandwidth NVNT n40 2452MHz Ant1



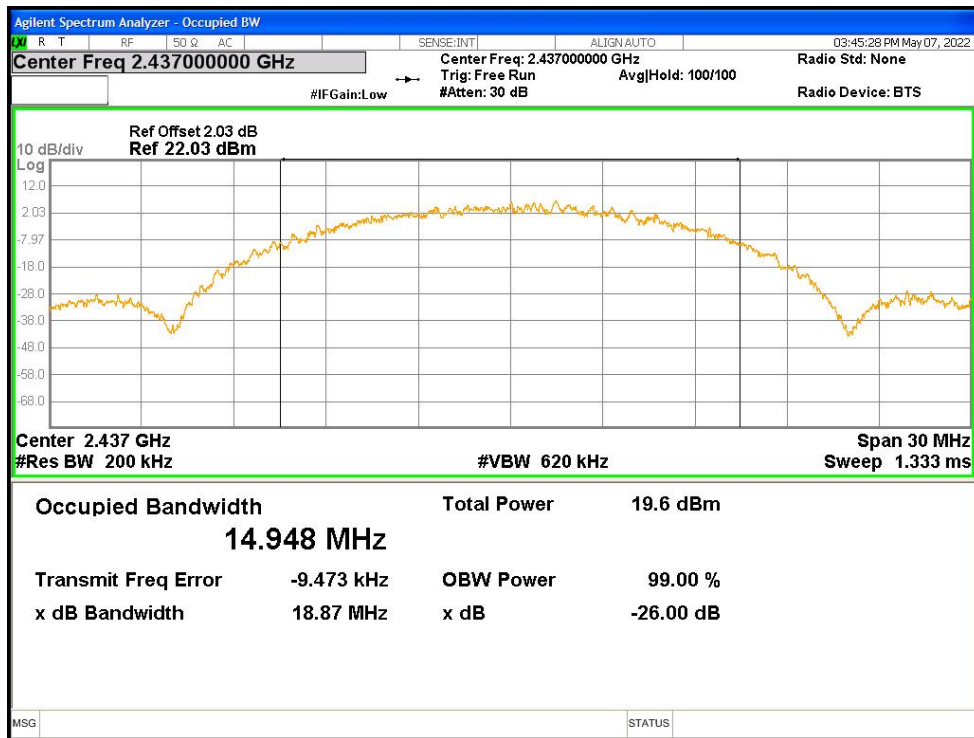
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.81601071
NVNT	b	2437	Ant1	14.94761543
NVNT	b	2462	Ant1	14.77618509
NVNT	g	2412	Ant1	16.51375992
NVNT	g	2437	Ant1	16.55864222
NVNT	g	2462	Ant1	16.52445644
NVNT	n20	2412	Ant1	17.72440726
NVNT	n20	2437	Ant1	17.7413193
NVNT	n20	2462	Ant1	17.71314062
NVNT	n40	2422	Ant1	36.13378888
NVNT	n40	2437	Ant1	36.16718971
NVNT	n40	2452	Ant1	36.13378847

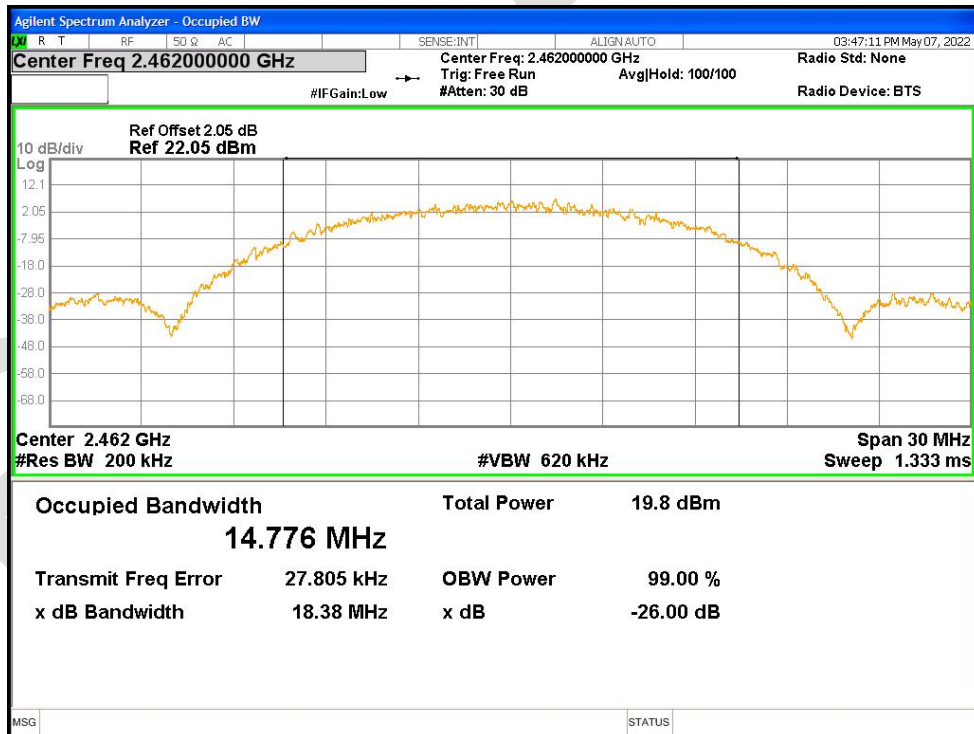
OBW NVNT b 2412MHz Ant1



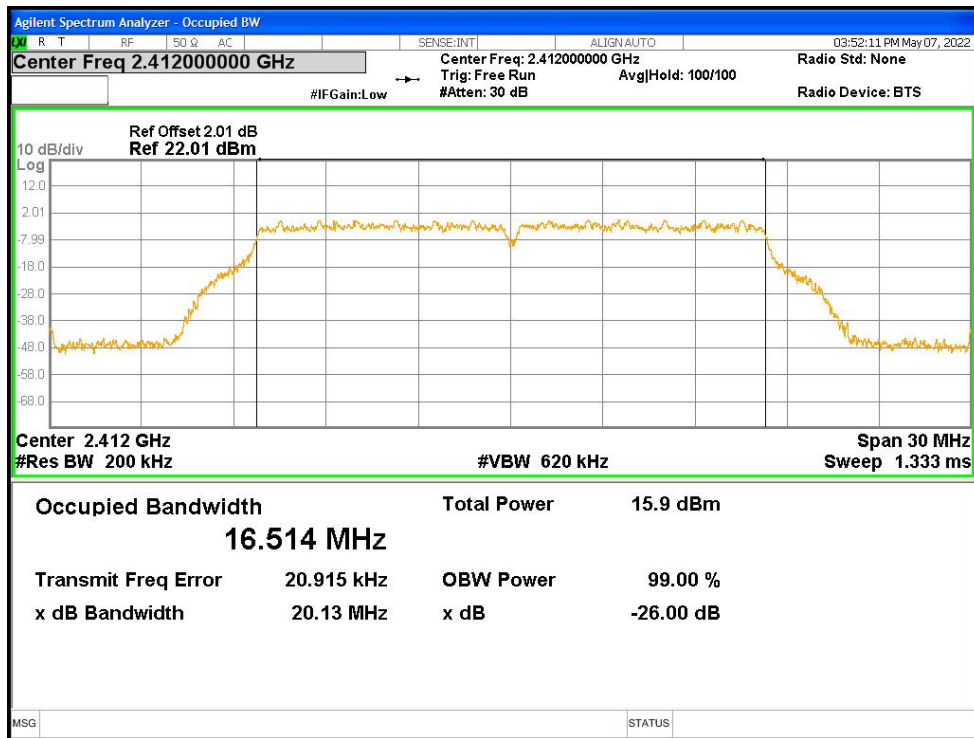
OBW NVNT b 2437MHz Ant1



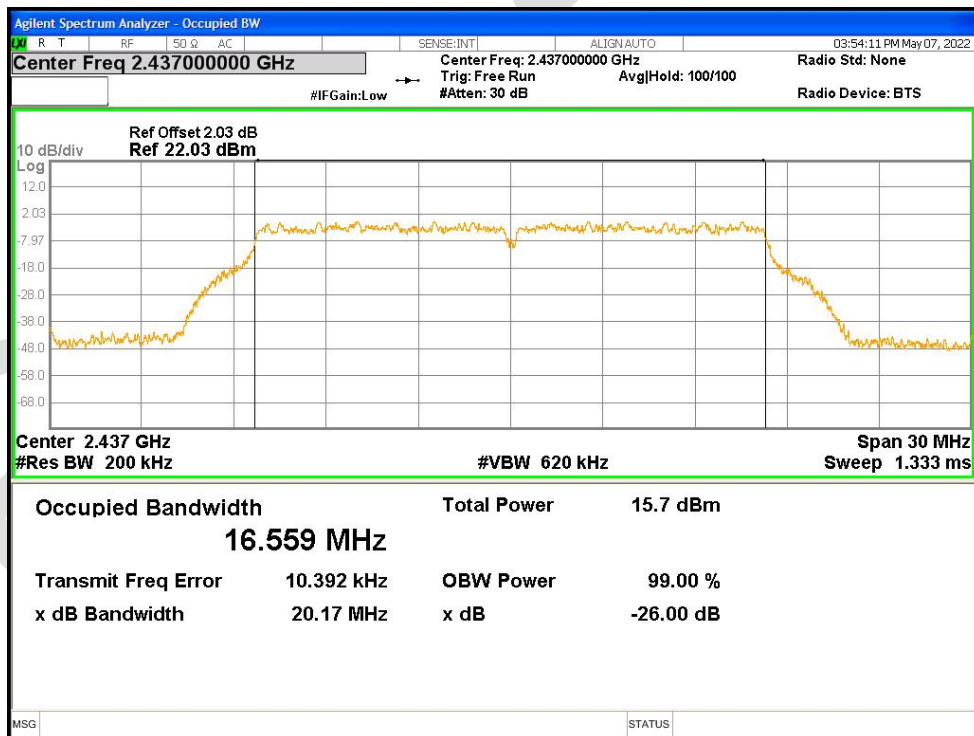
OBW NVNT b 2462MHz Ant1



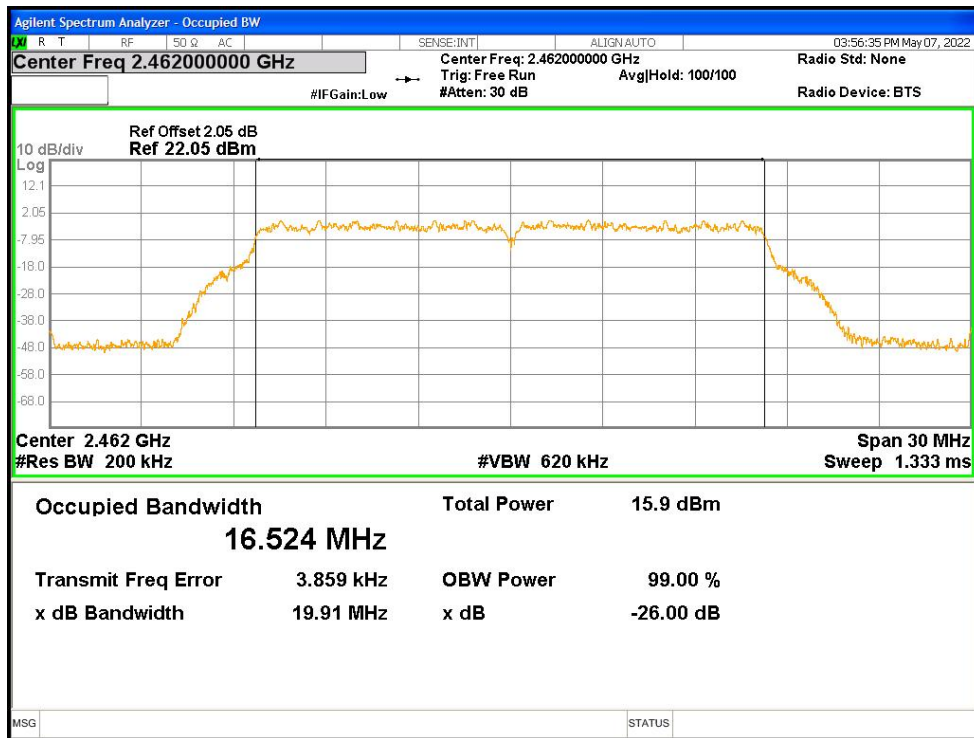
OBW NVNT g 2412MHz Ant1



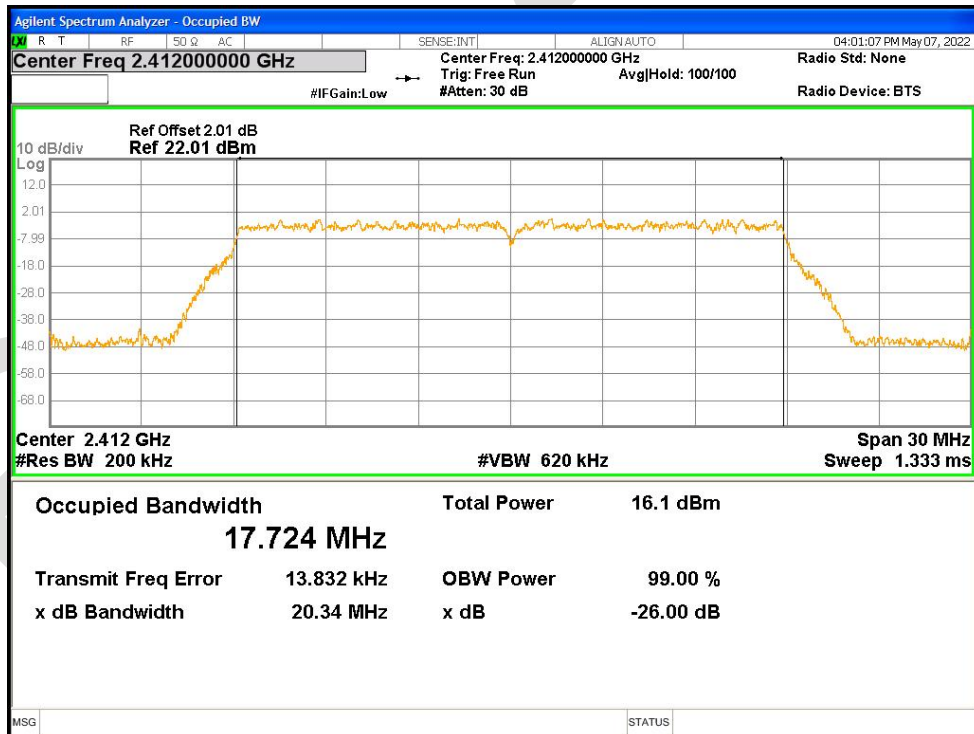
OBW NVNT g 2437MHz Ant1



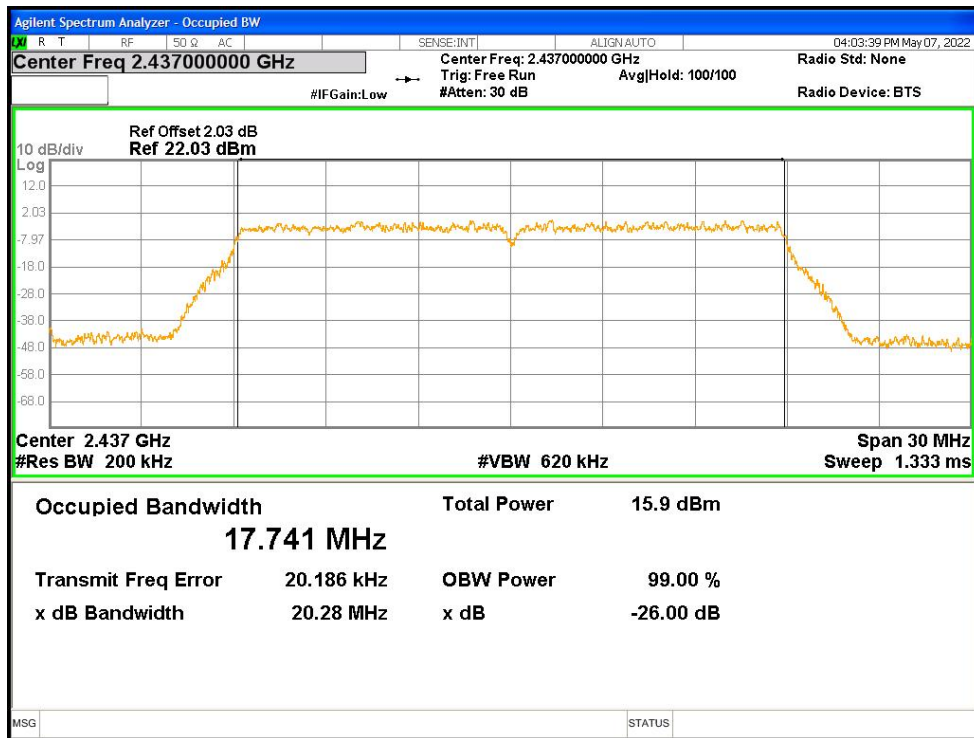
OBW NVNT g 2462MHz Ant1



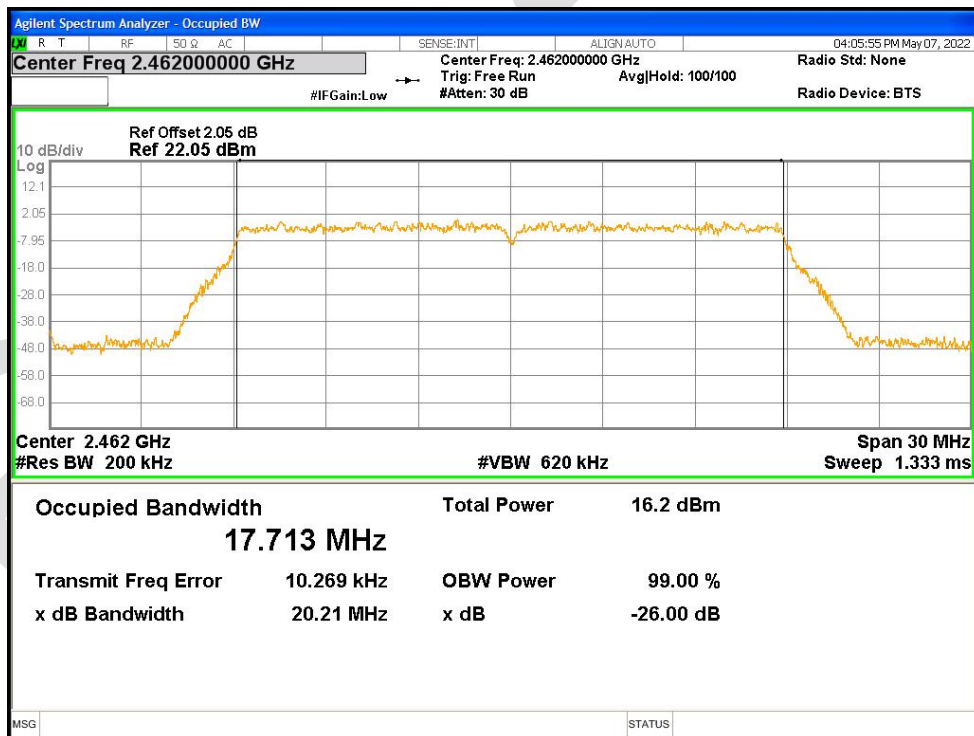
OBW NVNT n20 2412MHz Ant1



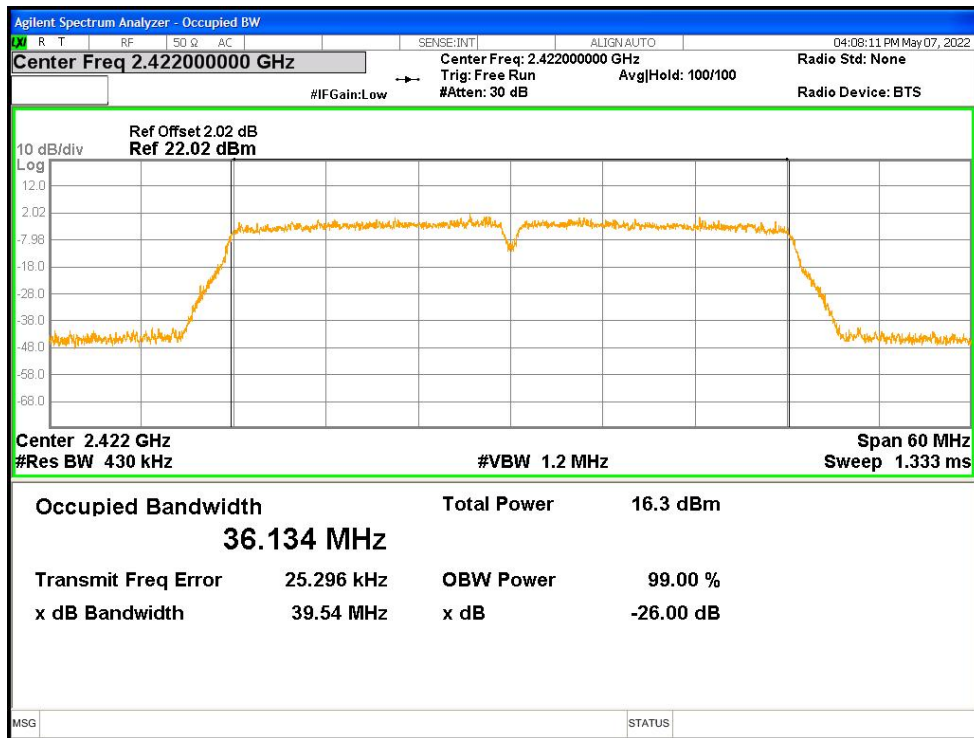
OBW NVNT n20 2437MHz Ant1



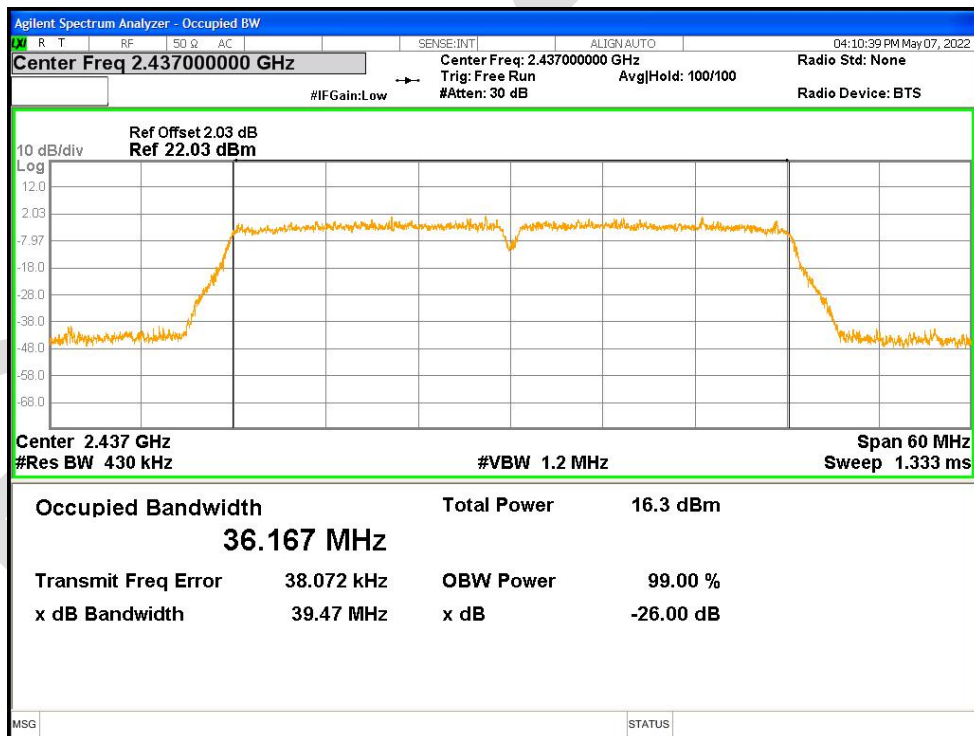
OBW NVNT n20 2462MHz Ant1



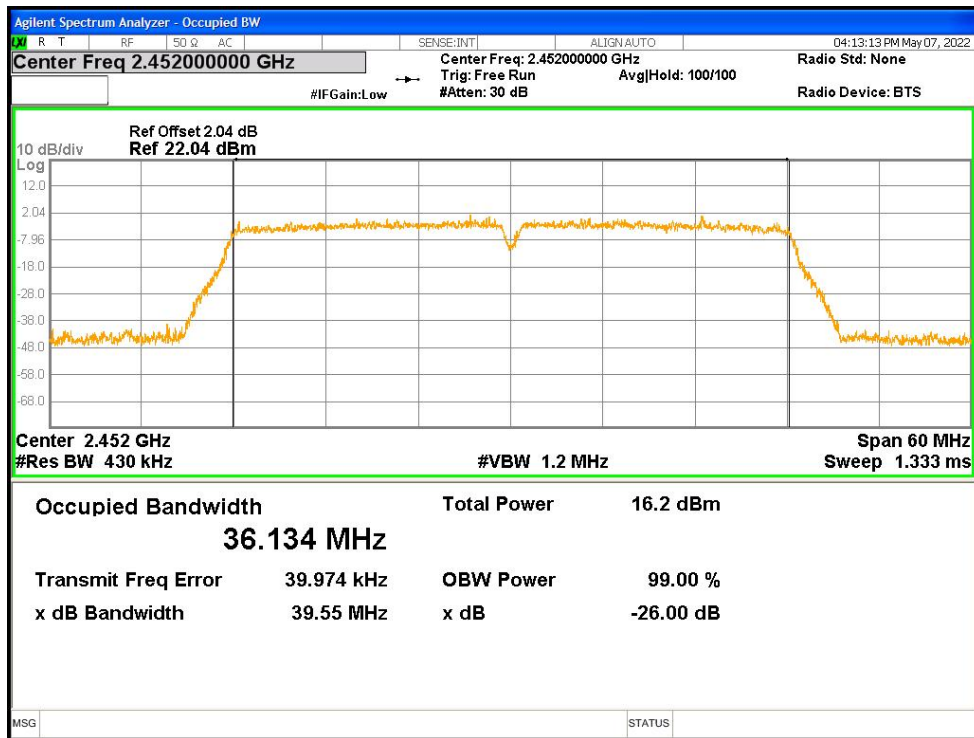
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



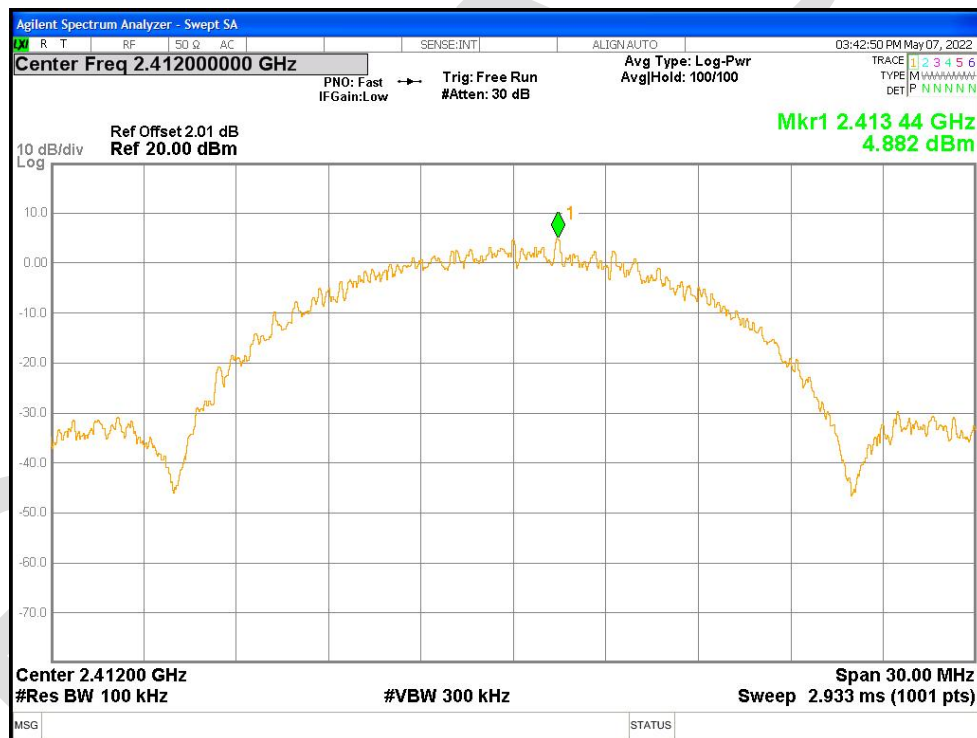
OBW NVNT n40 2452MHz Ant1



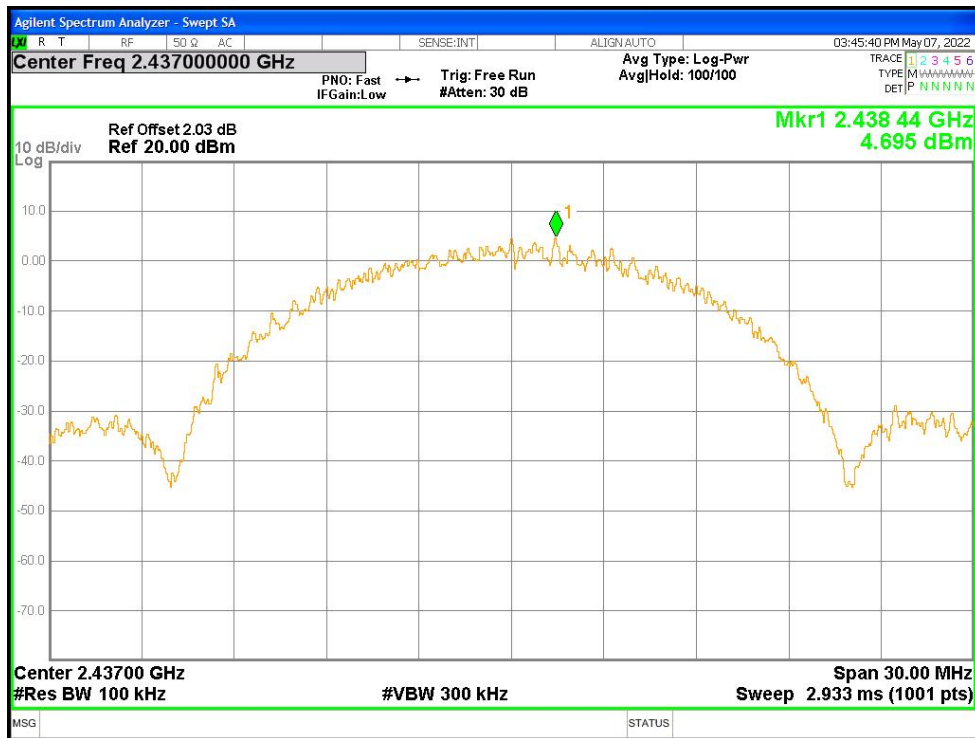
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	4.882	8	Pass
NVNT	b	2437	Ant1	4.695	8	Pass
NVNT	b	2462	Ant1	4.837	8	Pass
NVNT	g	2412	Ant1	-1.38	8	Pass
NVNT	g	2437	Ant1	-1.756	8	Pass
NVNT	g	2462	Ant1	-1.321	8	Pass
NVNT	n20	2412	Ant1	-1.299	8	Pass
NVNT	n20	2437	Ant1	-1.736	8	Pass
NVNT	n20	2462	Ant1	-1.284	8	Pass
NVNT	n40	2422	Ant1	-3.71	8	Pass
NVNT	n40	2437	Ant1	-4.01	8	Pass
NVNT	n40	2452	Ant1	-3.959	8	Pass

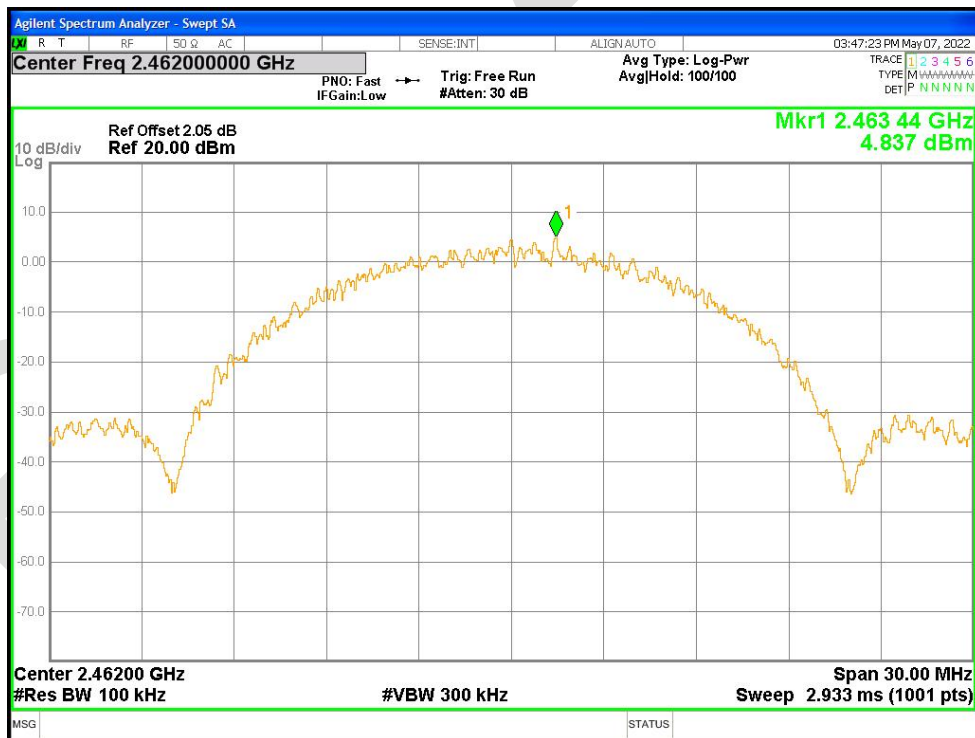
PSD NVNT b 2412MHz Ant1



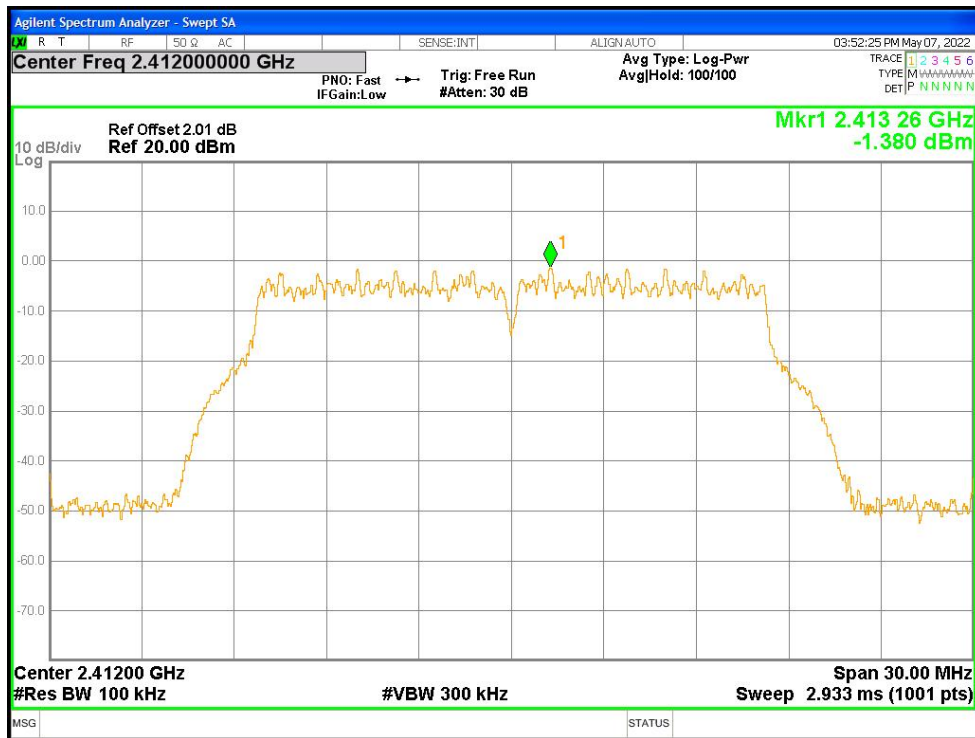
PSD NVNT b 2437MHz Ant1



PSD NVNT b 2462MHz Ant1



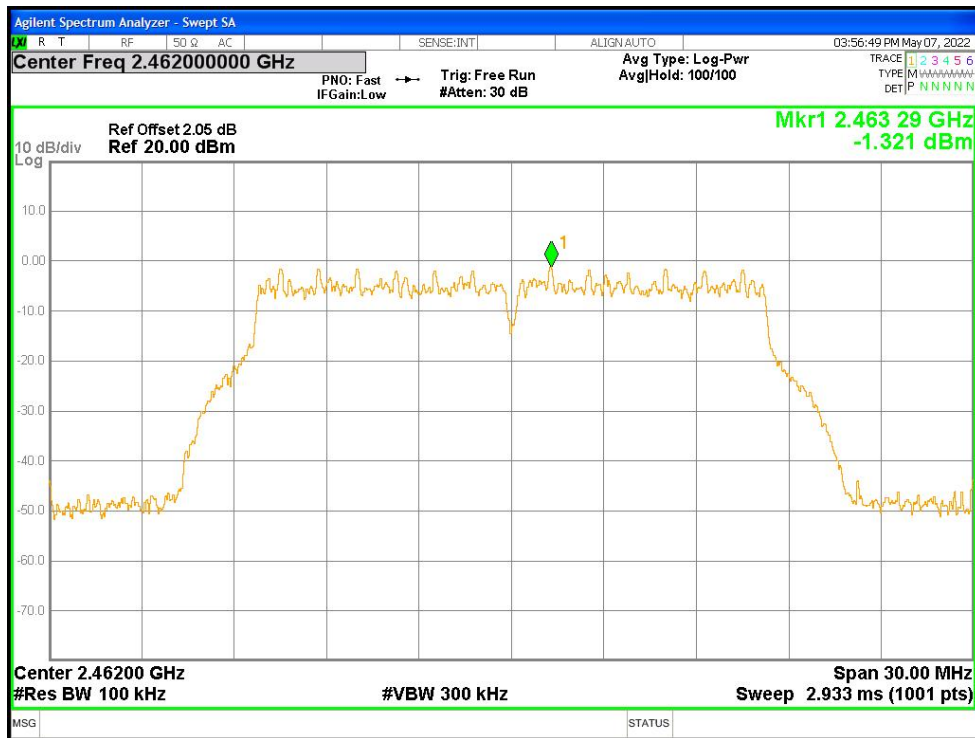
PSD NVNT g 2412MHz Ant1



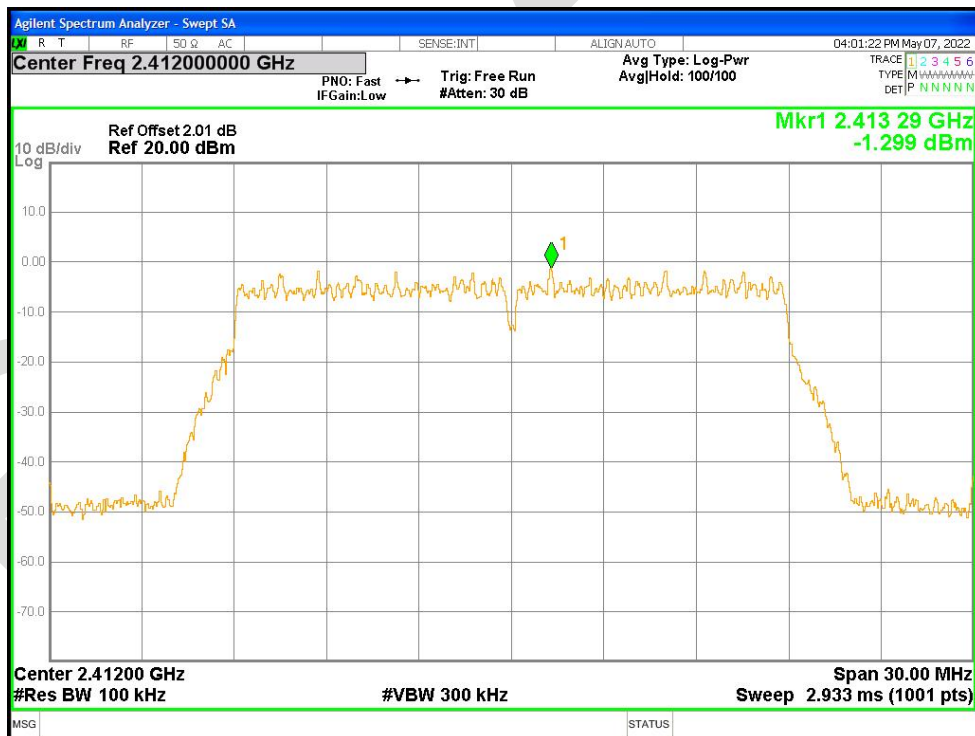
PSD NVNT g 2437MHz Ant1



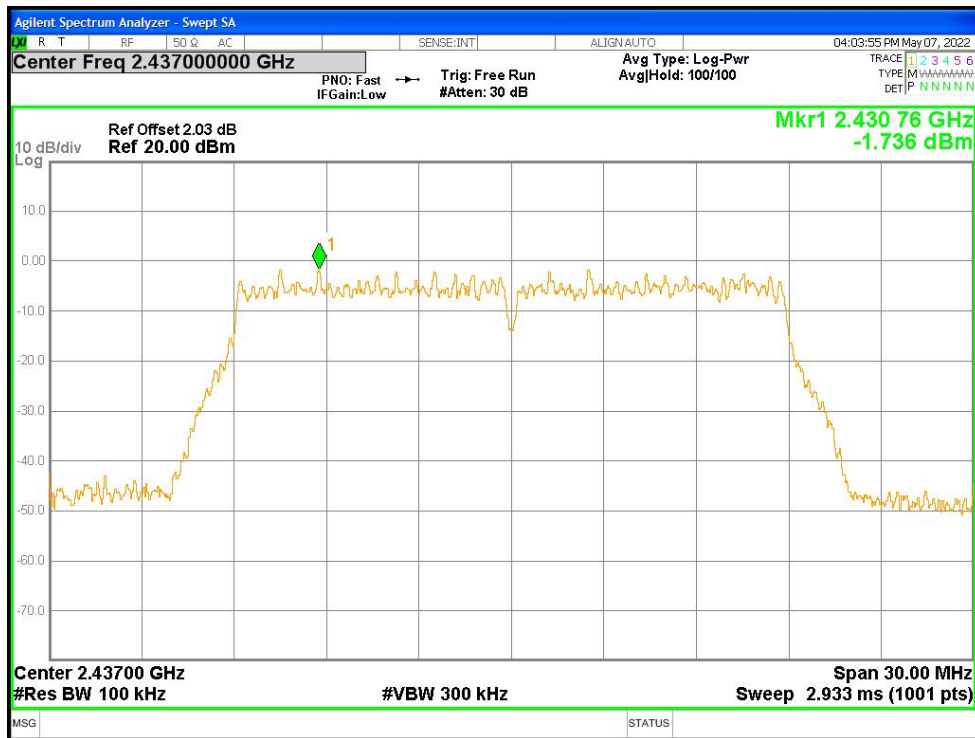
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



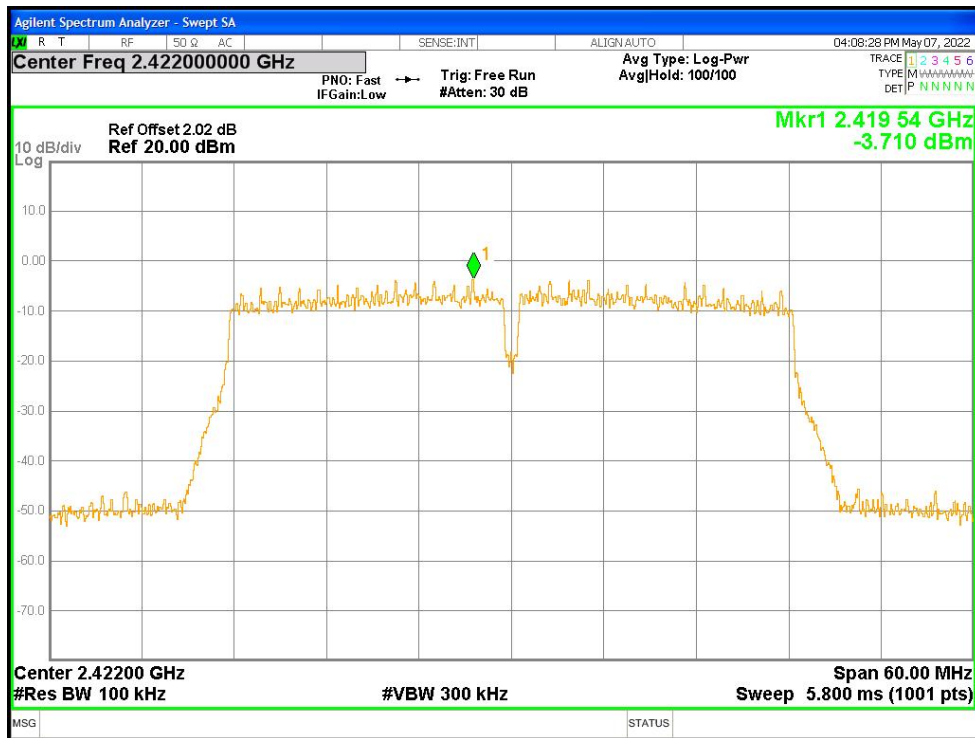
PSD NVNT n20 2437MHz Ant1



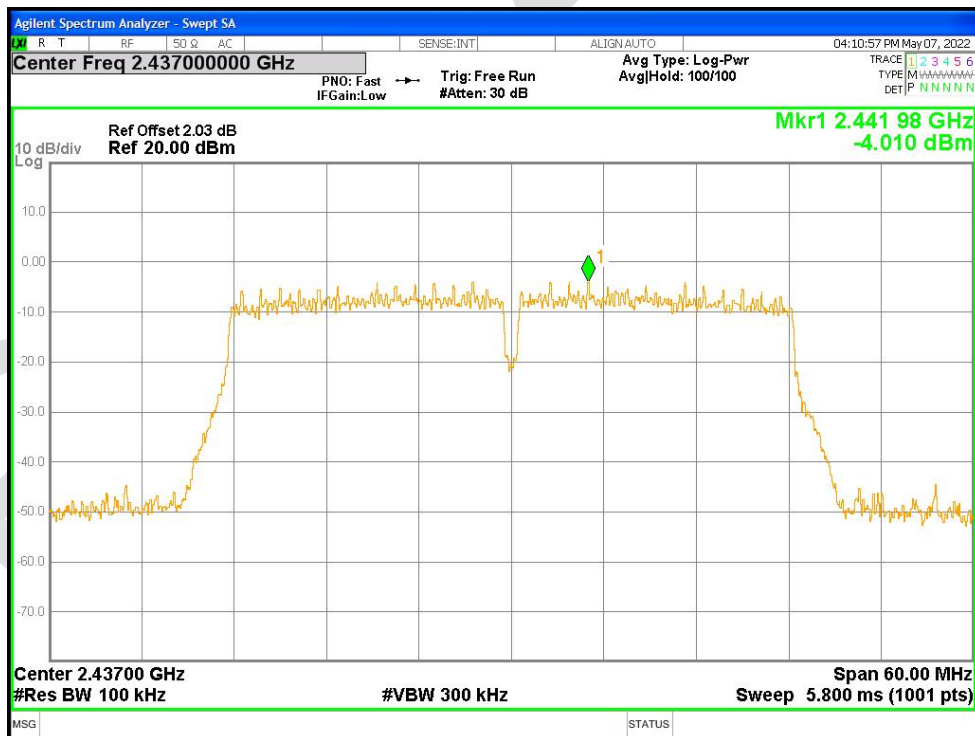
PSD NVNT n20 2462MHz Ant1



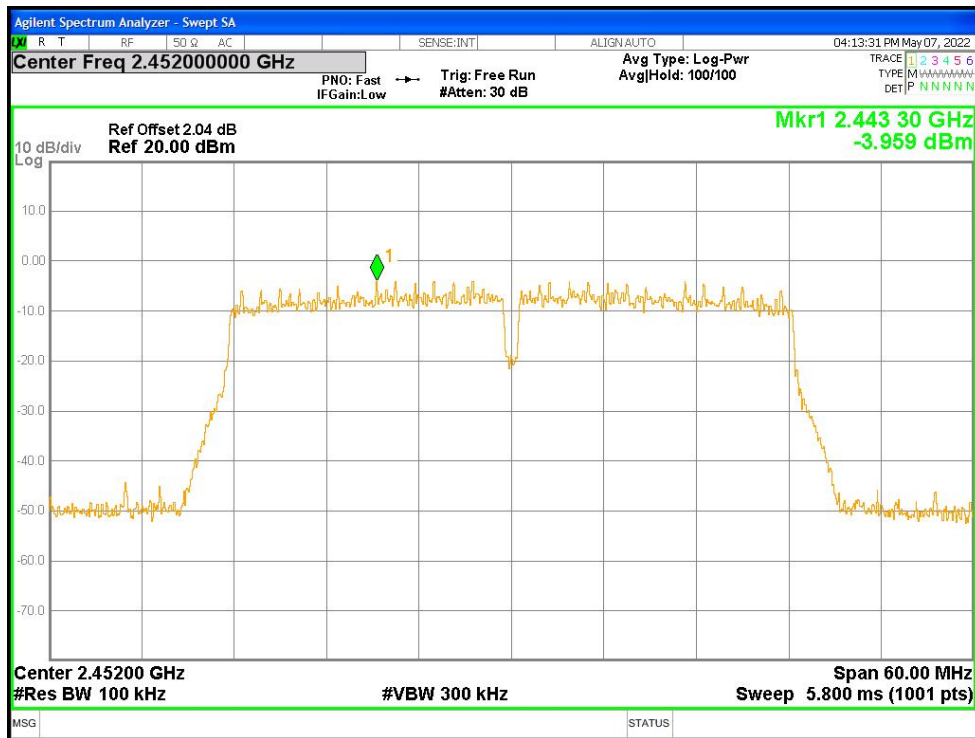
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



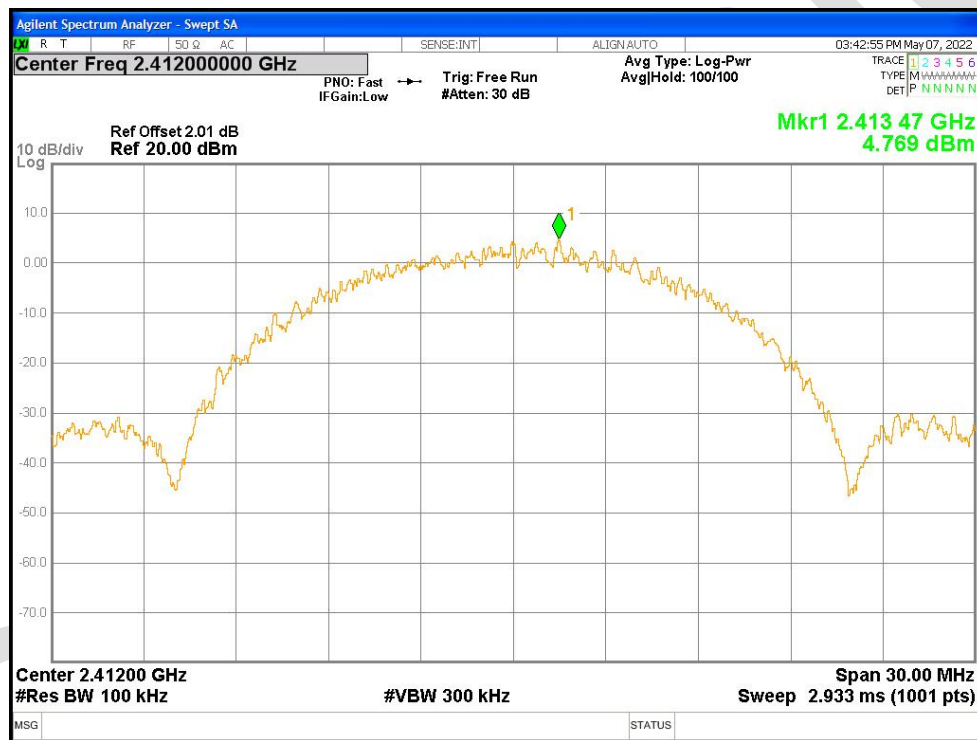
PSD NVNT n40 2452MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.57	-30	Pass
NVNT	b	2462	Ant1	-53.59	-30	Pass
NVNT	g	2412	Ant1	-48.64	-30	Pass
NVNT	g	2462	Ant1	-48.83	-30	Pass
NVNT	n20	2412	Ant1	-48.47	-30	Pass
NVNT	n20	2462	Ant1	-48.3	-30	Pass
NVNT	n40	2422	Ant1	-43.58	-30	Pass
NVNT	n40	2452	Ant1	-44.04	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission