Appendix A

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: IPTV Set-Top Box

Test Model: SML-5045W6

Environmental Conditions

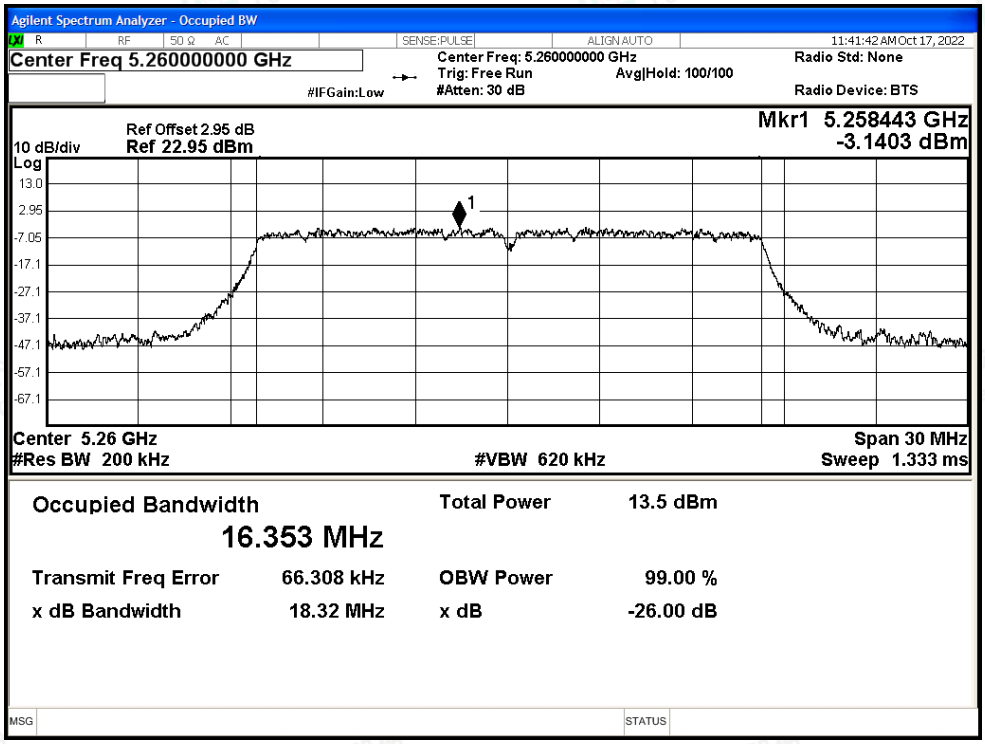
Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

A.1 -26dB Bandwidth

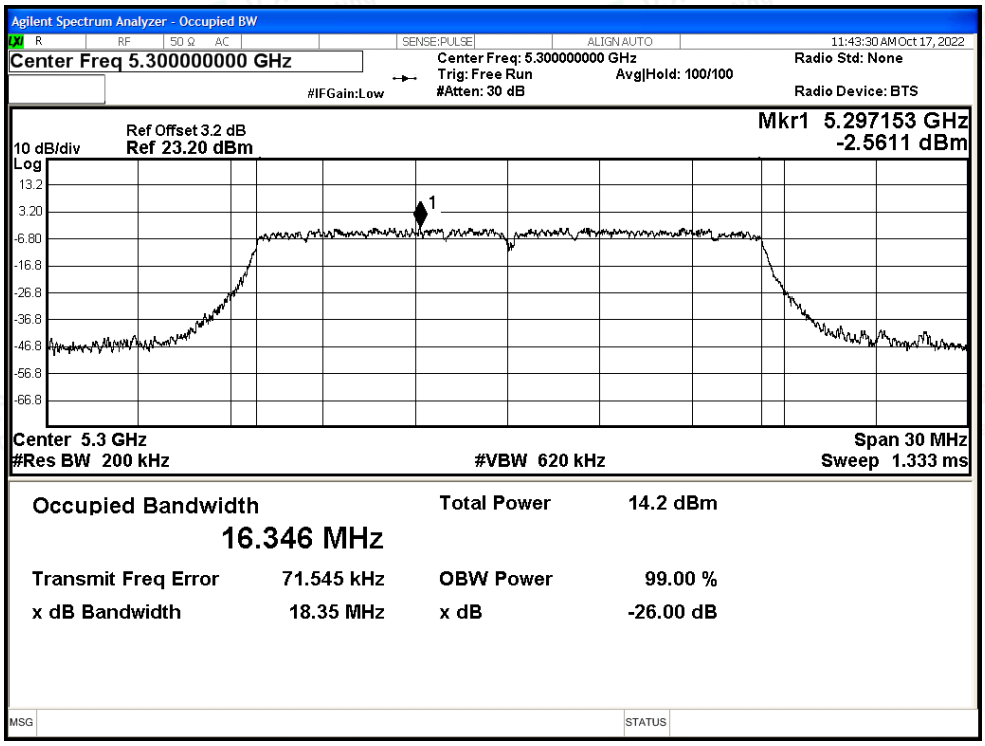
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant0	18.32
NVNT	a	5300	Ant0	18.35
NVNT	a	5320	Ant0	18.36
NVNT	n20	5260	Ant0	18.26
NVNT	n20	5300	Ant0	18.28
NVNT	n20	5320	Ant0	18.36
NVNT	n40	5270	Ant0	39.10
NVNT	n40	5310	Ant0	39.18
NVNT	ac20	5260	Ant0	18.33
NVNT	ac20	5300	Ant0	18.34
NVNT	ac20	5320	Ant0	18.36
NVNT	ac40	5270	Ant0	38.84
NVNT	ac40	5310	Ant0	38.80
NVNT	ac80	5290	Ant0	87.74
NVNT	ax20	5260	Ant0	20.27
NVNT	ax20	5300	Ant0	20.44
NVNT	ax20	5320	Ant0	20.49
NVNT	ax40	5270	Ant0	39.73
NVNT	ax40	5310	Ant0	39.99
NVNT	ax80	5290	Ant0	81.03

Test Graphs

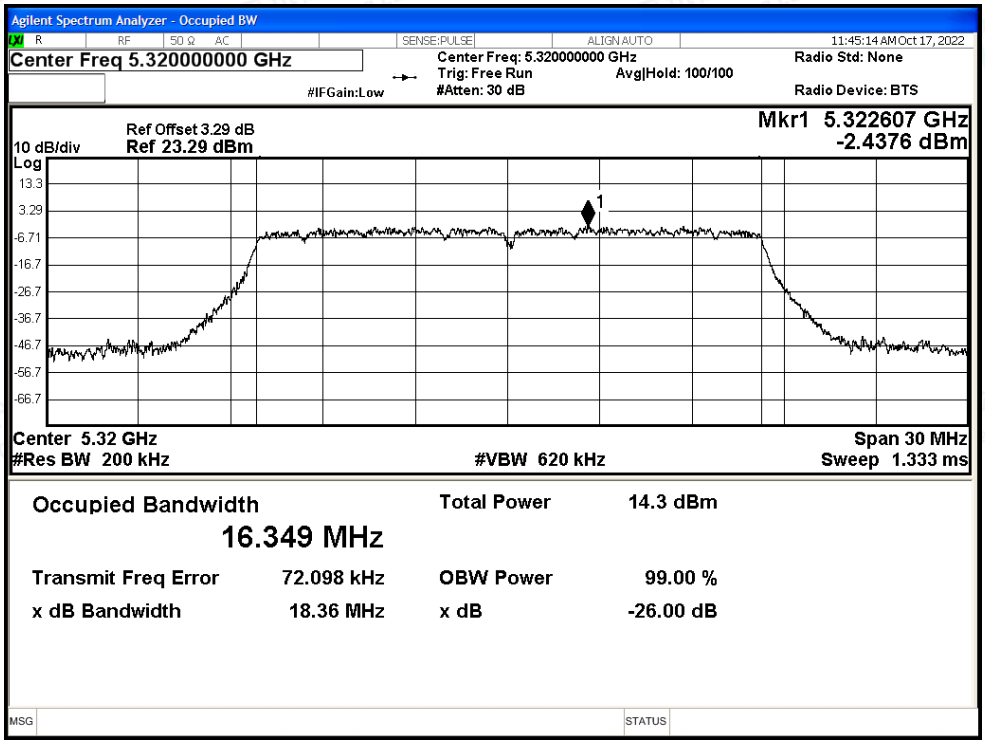
-26dB Bandwidth NVNT a 5260MHz Ant0



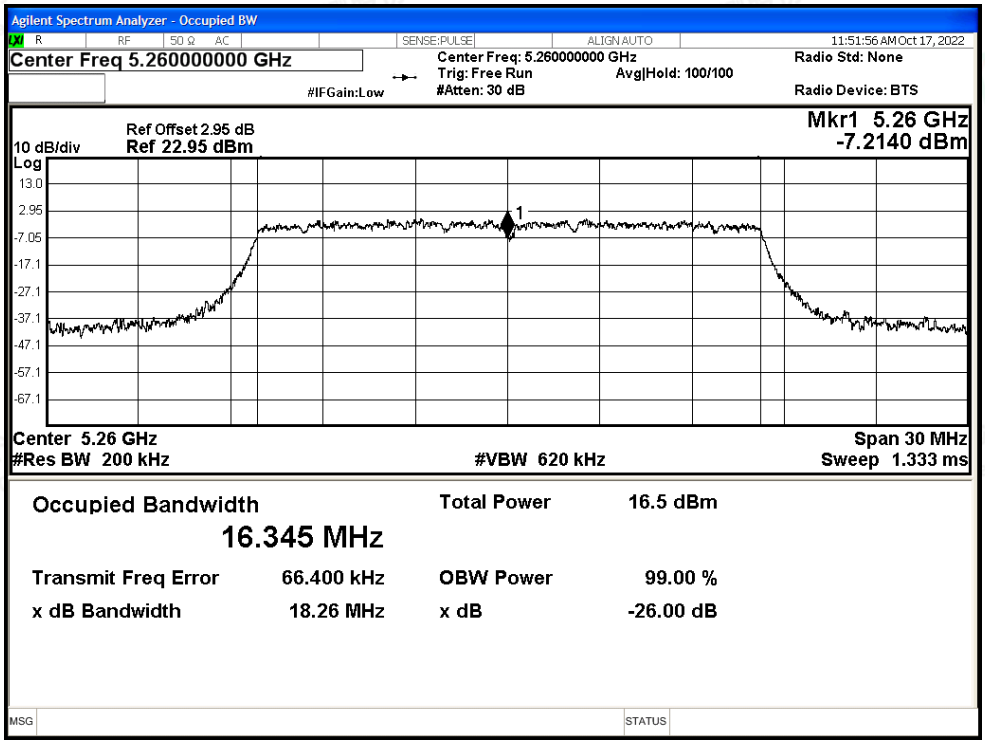
-26dB Bandwidth NVNT a 5300MHz Ant0



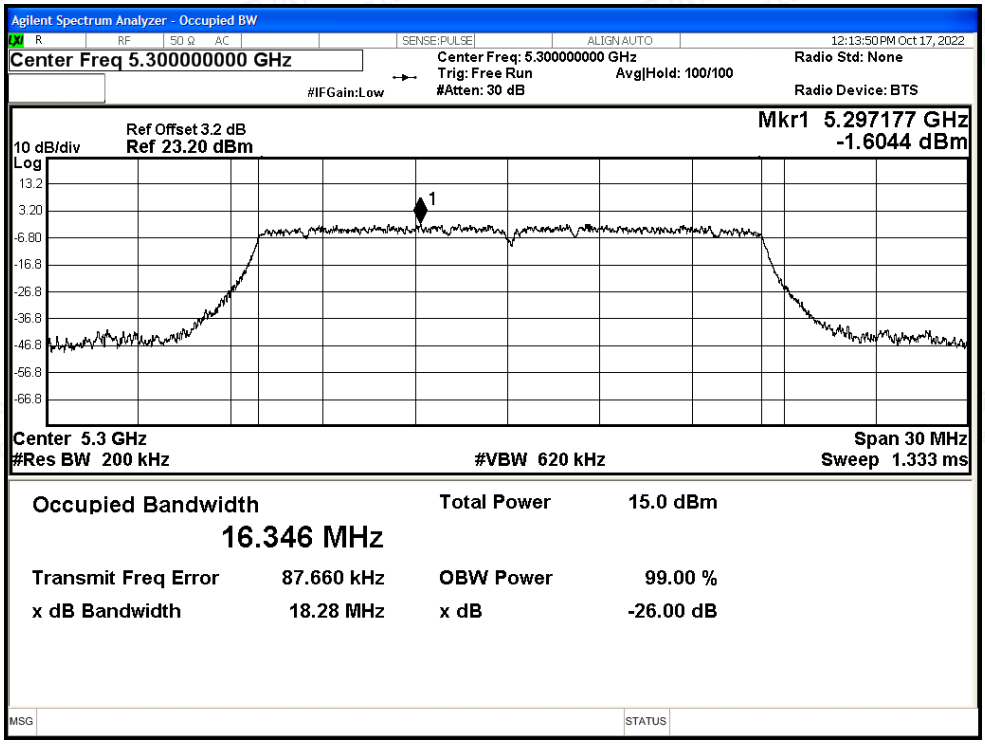
-26dB Bandwidth NVNT a 5320MHz Ant0



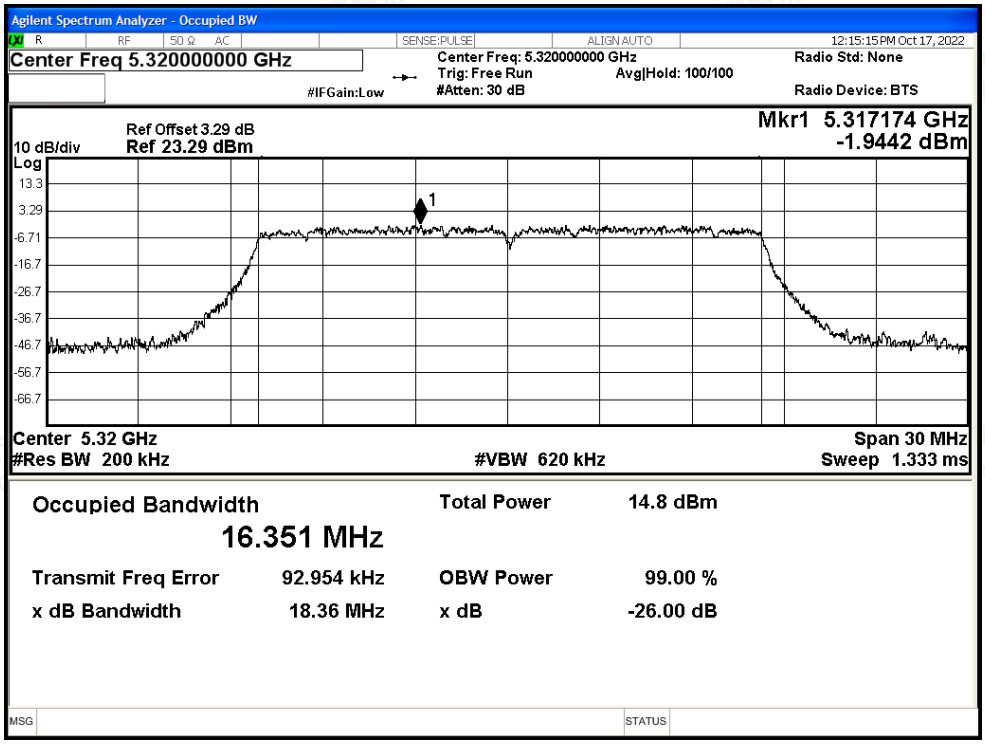
-26dB Bandwidth NVNT n20 5260MHz Ant0



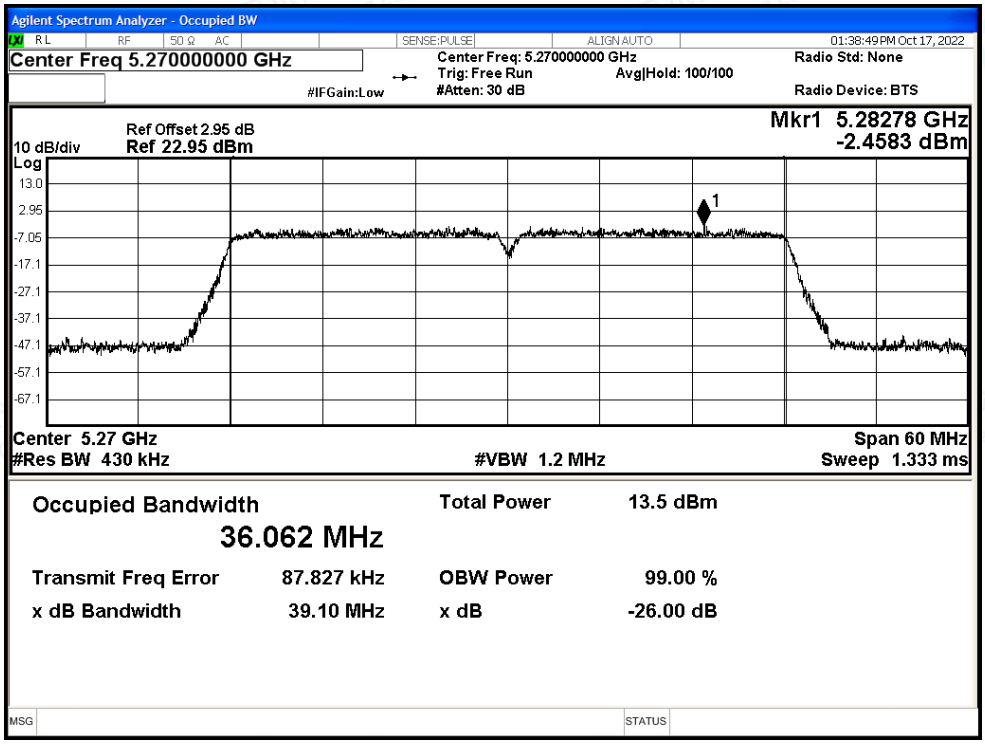
-26dB Bandwidth NVNT n20 5300MHz Ant0



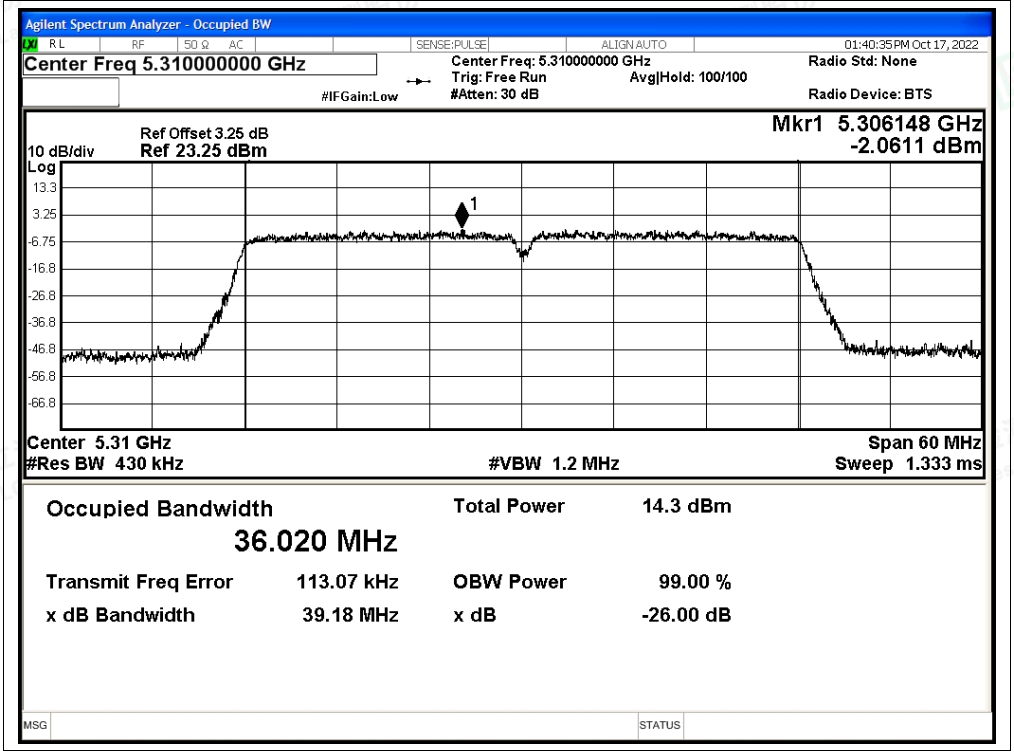
-26dB Bandwidth NVNT n20 5320MHz Ant0



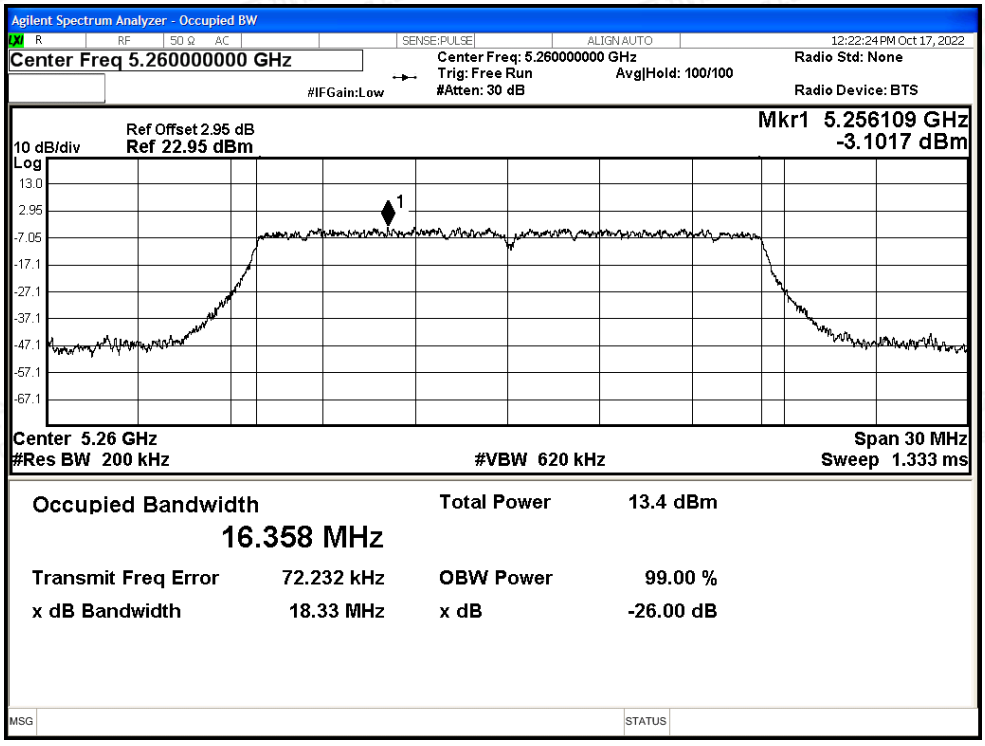
-26dB Bandwidth NVNT n40 5270MHz Ant0



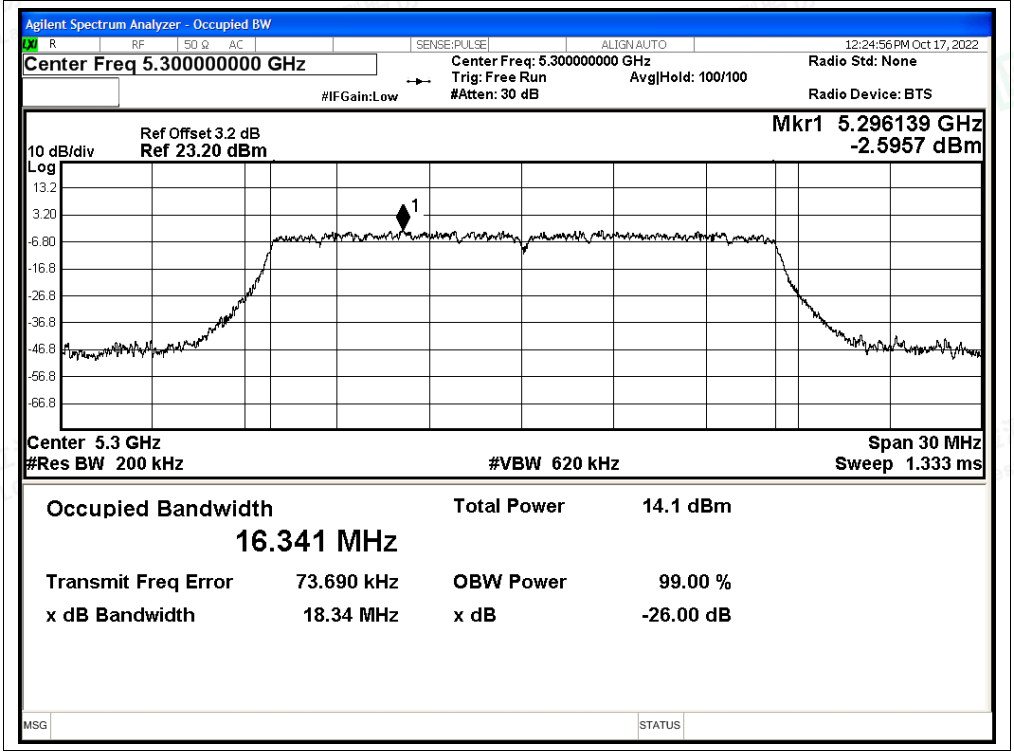
-26dB Bandwidth NVNT n40 5310MHz Ant0



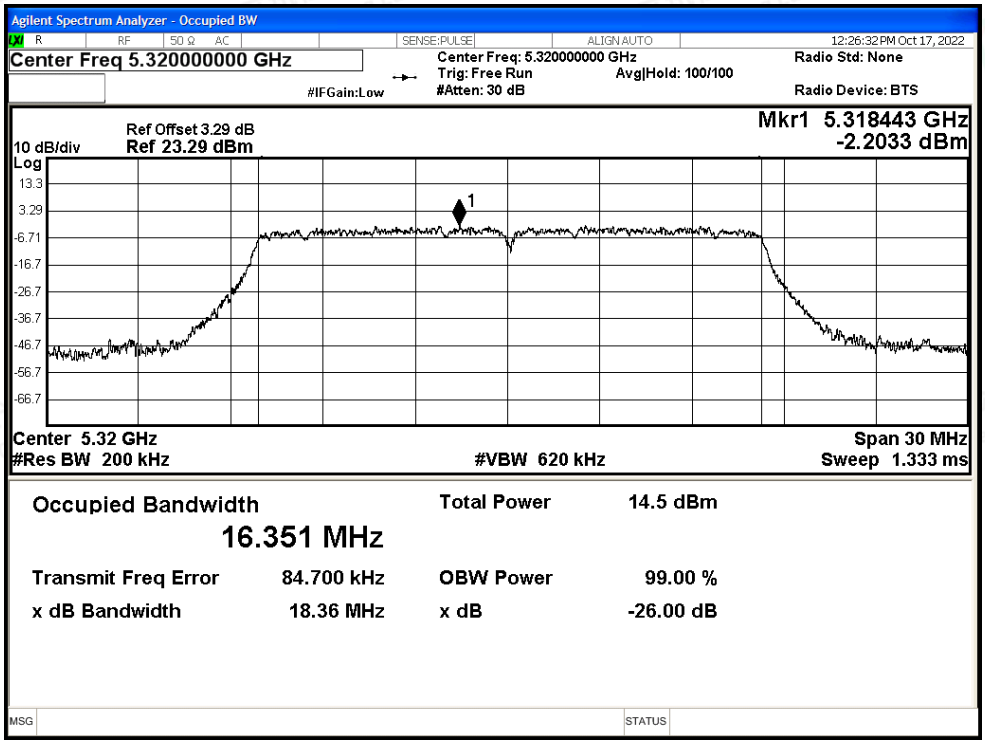
-26dB Bandwidth NVNT ac20 5260MHz Ant0



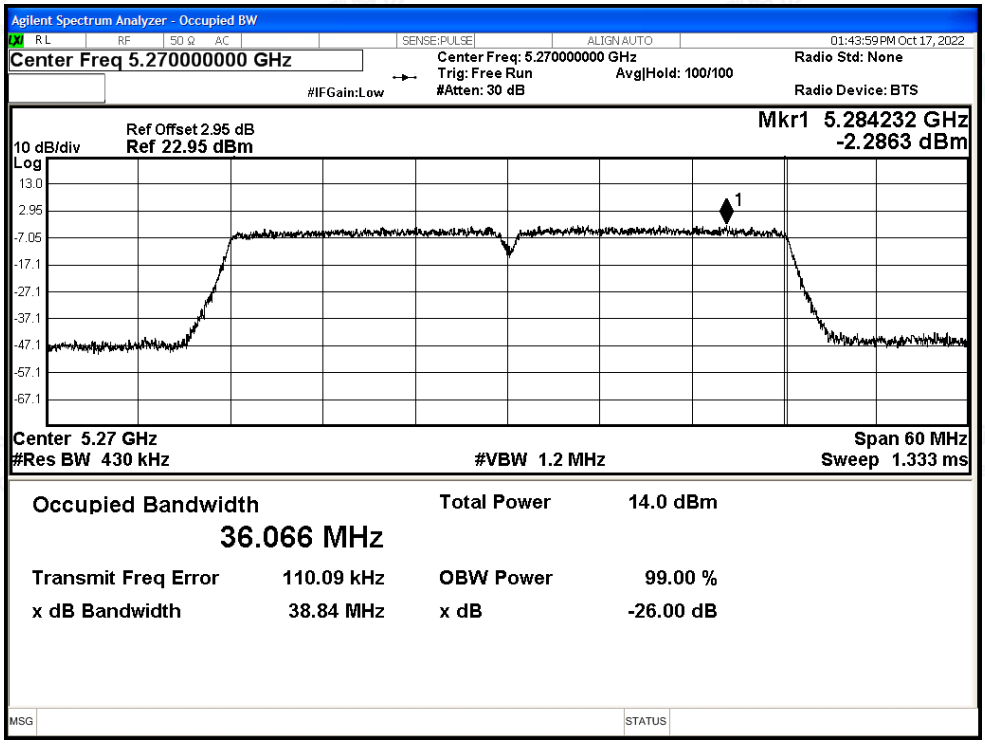
-26dB Bandwidth NVNT ac20 5300MHz Ant0



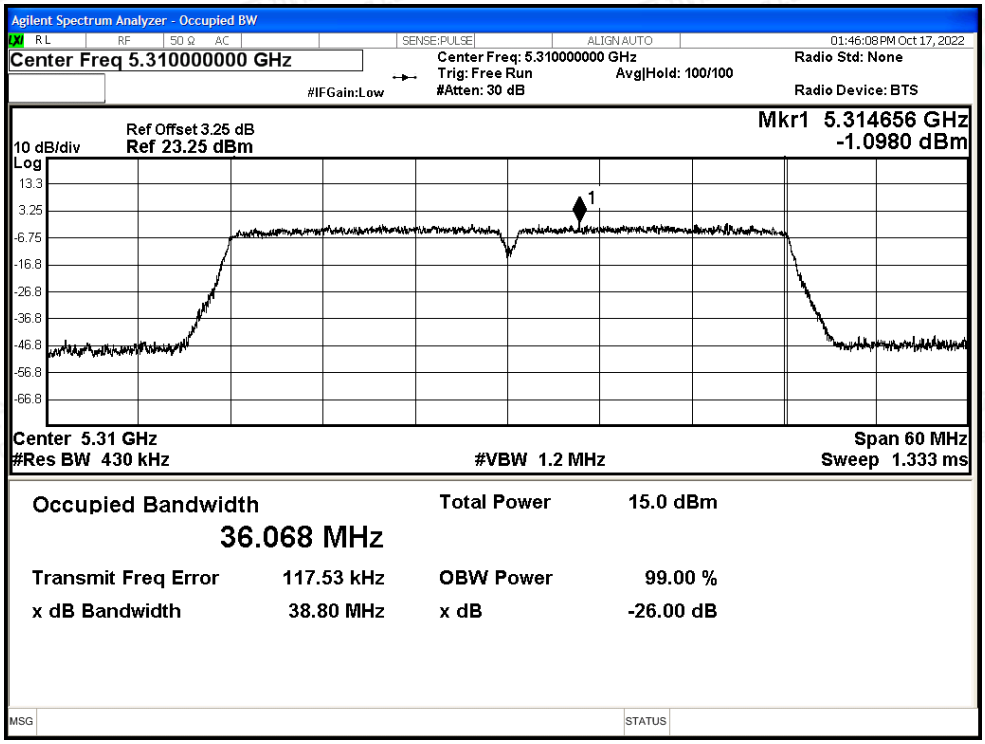
-26dB Bandwidth NVNT ac20 5320MHz Ant0



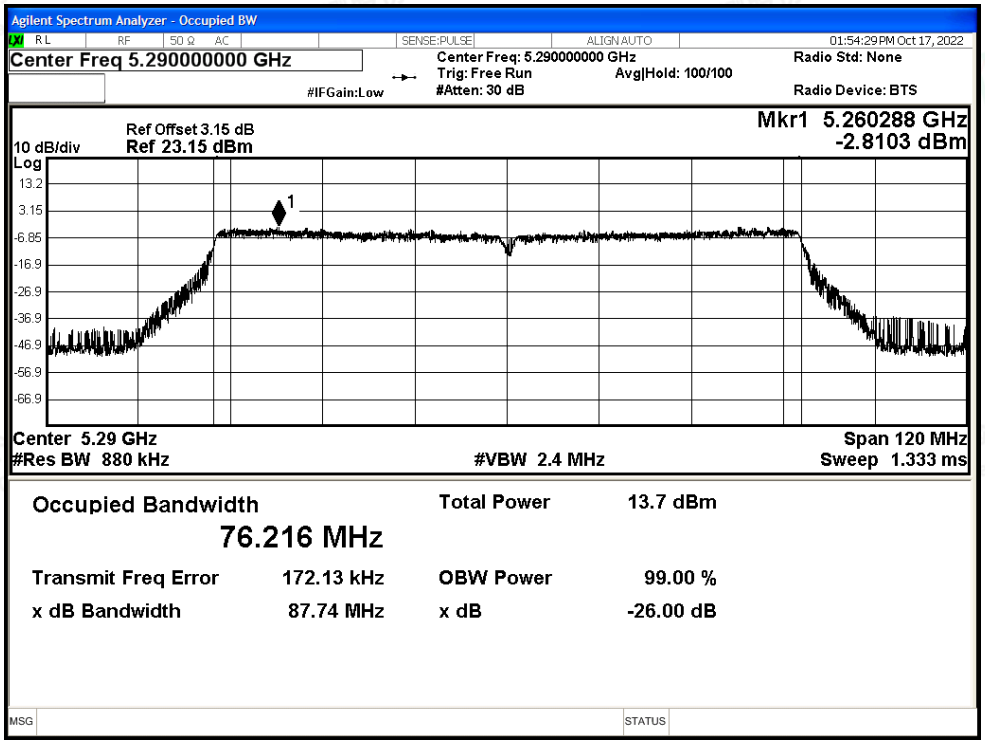
-26dB Bandwidth NVNT ac40 5270MHz Ant0



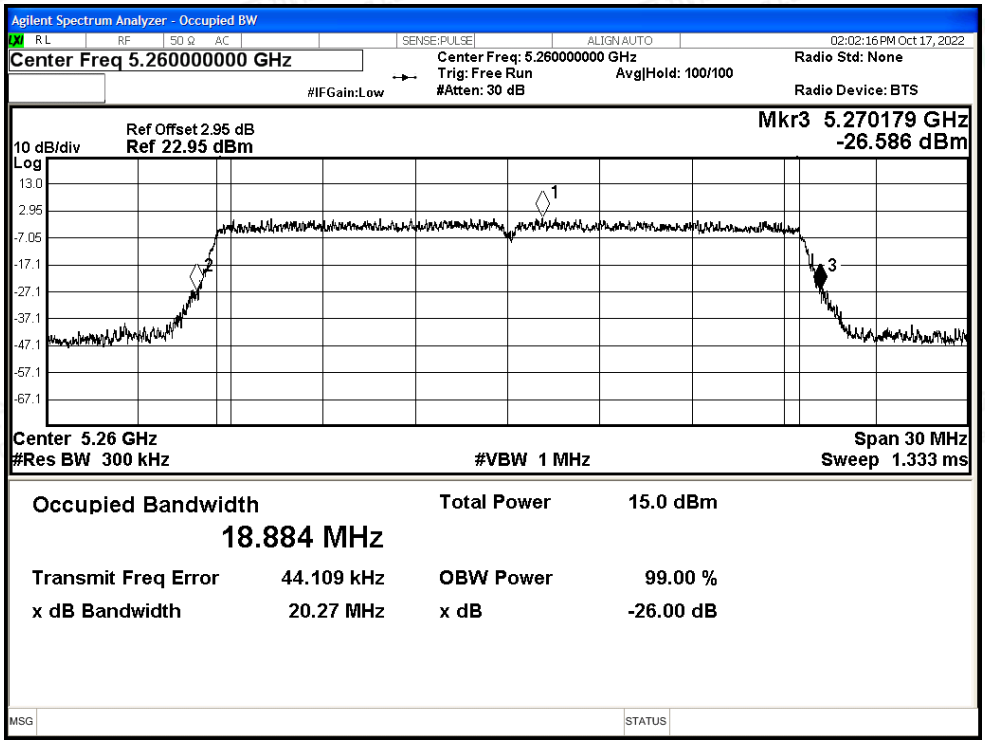
-26dB Bandwidth NVNT ac40 5310MHz Ant0



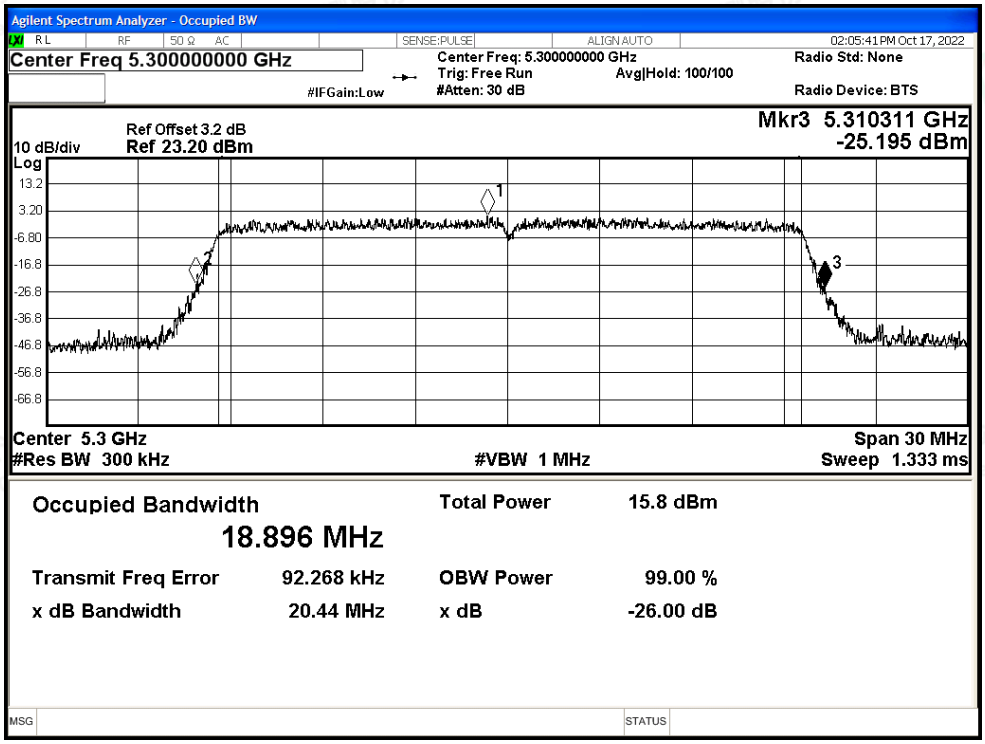
-26dB Bandwidth NVNT ac80 5290MHz Ant0



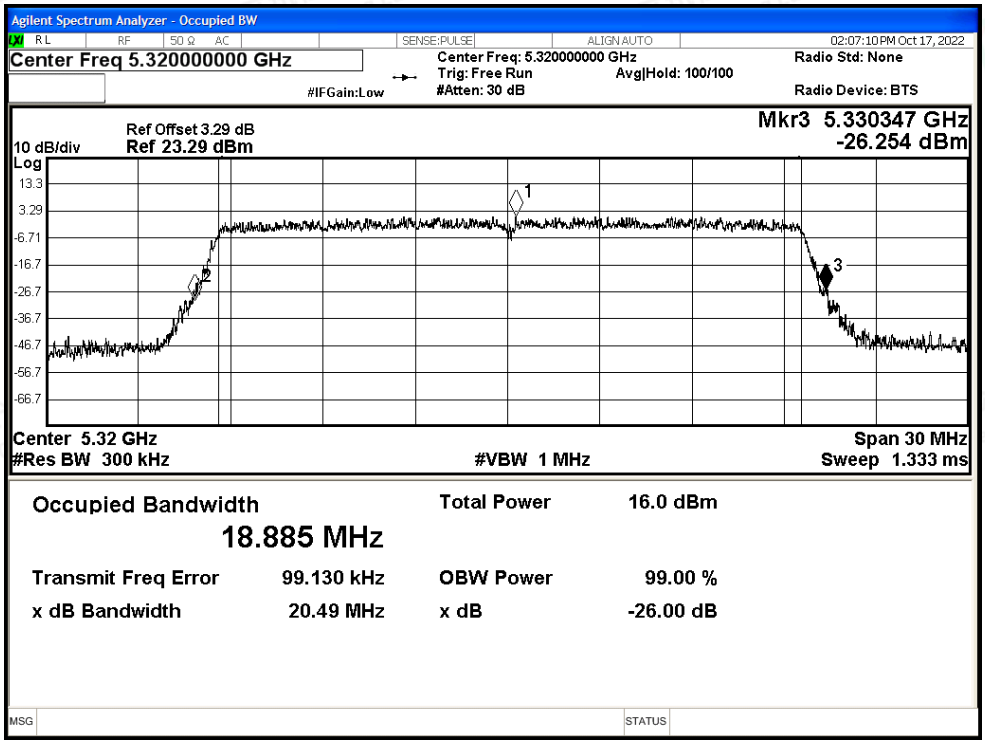
-26dB Bandwidth NVNT ax20 5260MHz Ant0



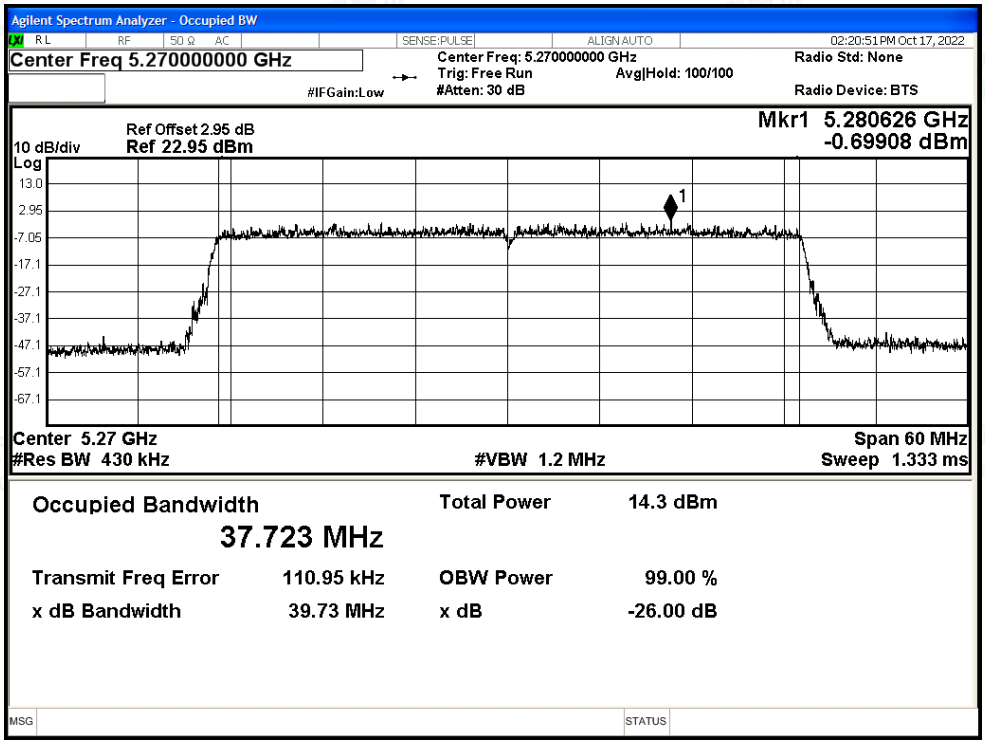
-26dB Bandwidth NVNT ax20 5300MHz Ant0



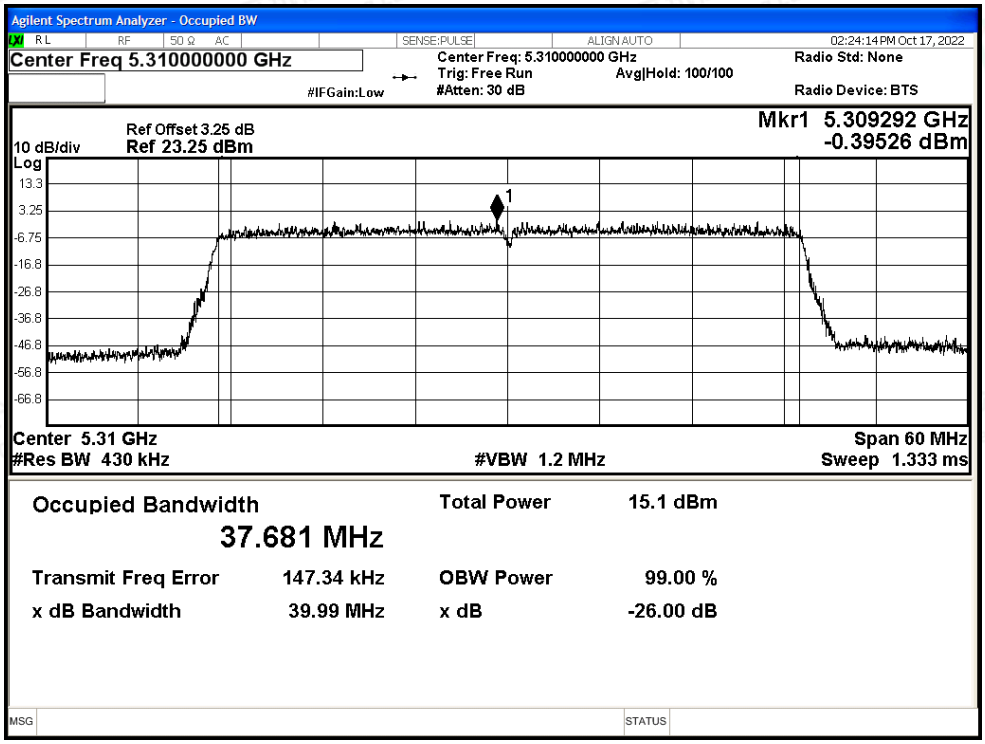
-26dB Bandwidth NVNT ax20 5320MHz Ant0



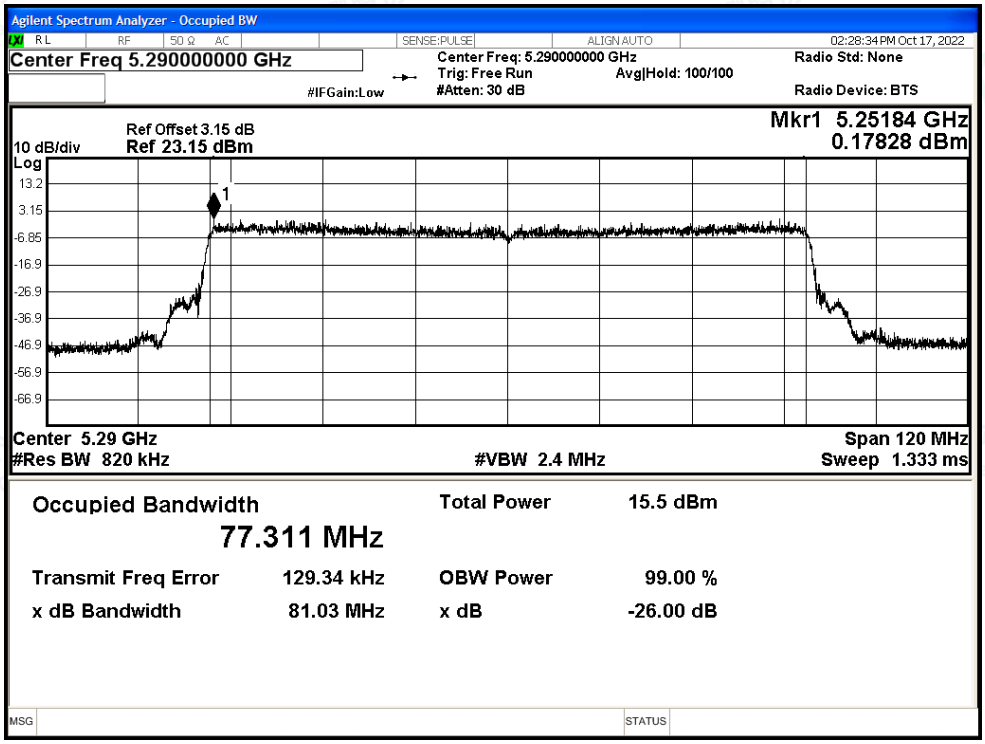
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



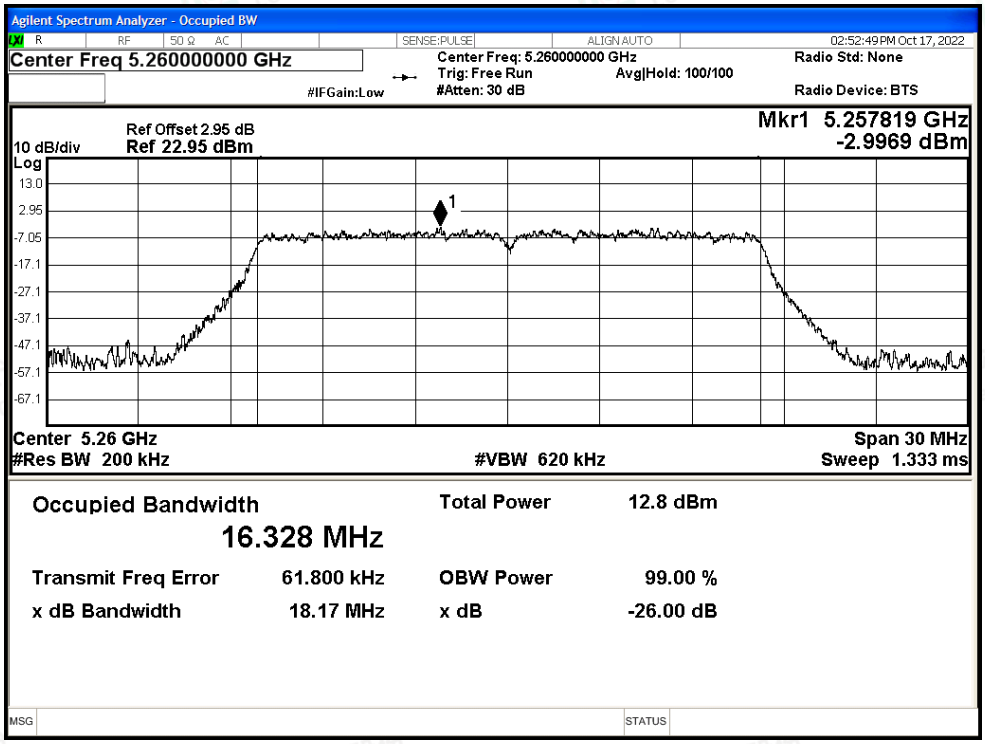
-26dB Bandwidth NVNT ax80 5290MHz Ant0



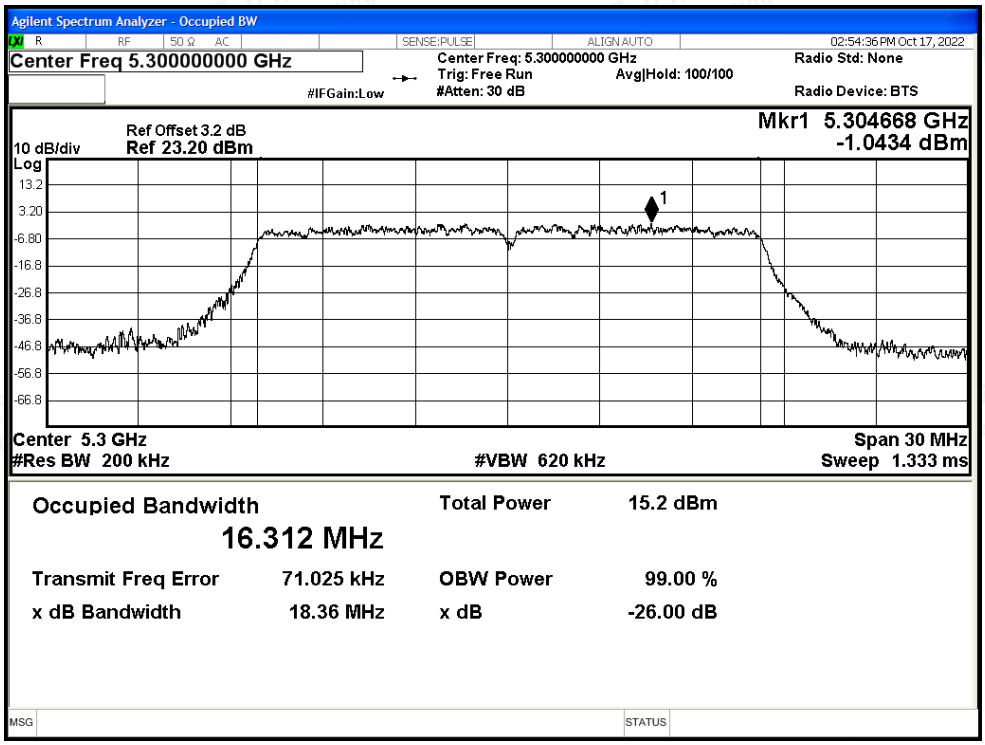
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	a	5260	Ant1	18.17
NVNT	a	5300	Ant1	18.36
NVNT	a	5320	Ant1	18.34
NVNT	n20	5260	Ant1	18.26
NVNT	n20	5300	Ant1	18.39
NVNT	n20	5320	Ant1	18.36
NVNT	n40	5270	Ant1	38.97
NVNT	n40	5310	Ant1	38.80
NVNT	ac20	5260	Ant1	18.07
NVNT	ac20	5300	Ant1	18.41
NVNT	ac20	5320	Ant1	18.35
NVNT	ac40	5270	Ant1	38.75
NVNT	ac40	5310	Ant1	38.89
NVNT	ac80	5290	Ant1	86.88
NVNT	ax20	5260	Ant1	20.05
NVNT	ax20	5300	Ant1	20.42
NVNT	ax20	5320	Ant1	20.51
NVNT	ax40	5270	Ant1	39.68
NVNT	ax40	5310	Ant1	39.56
NVNT	ax80	5290	Ant1	80.93

Test Graphs

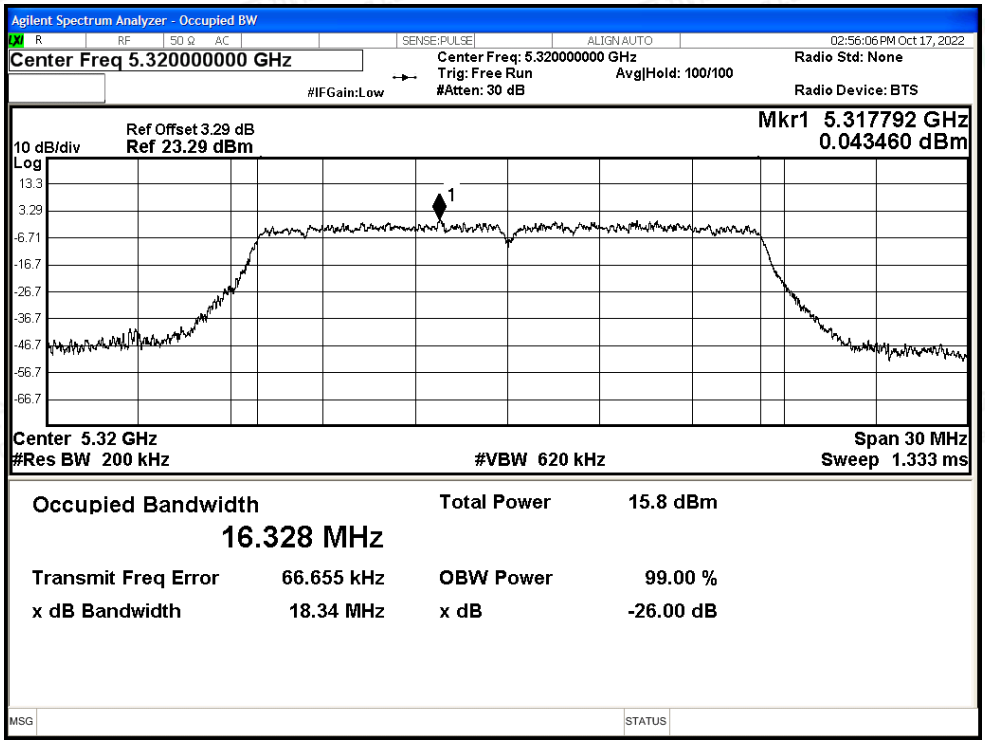
-26dB Bandwidth NVNT a 5260MHz Ant1



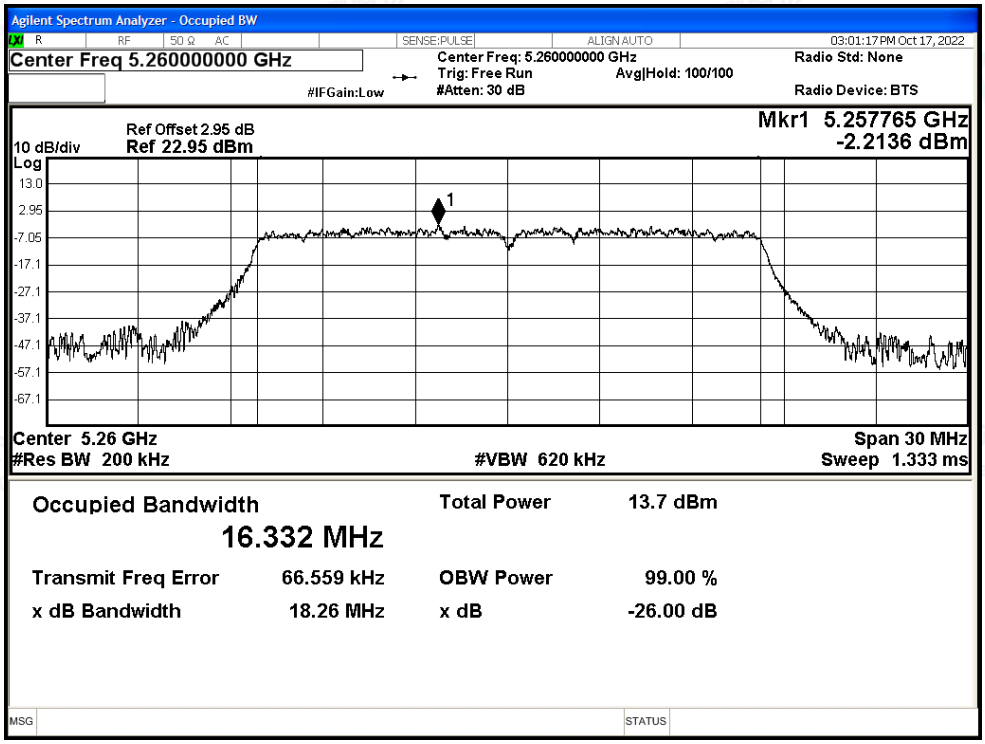
-26dB Bandwidth NVNT a 5300MHz Ant1



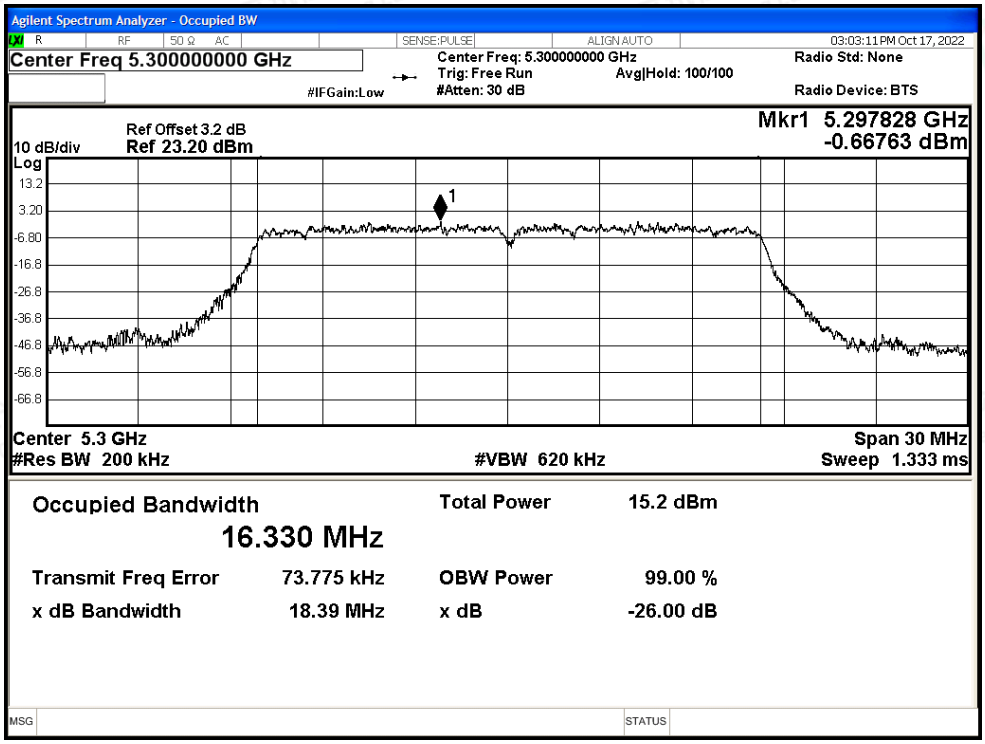
-26dB Bandwidth NVNT a 5320MHz Ant1



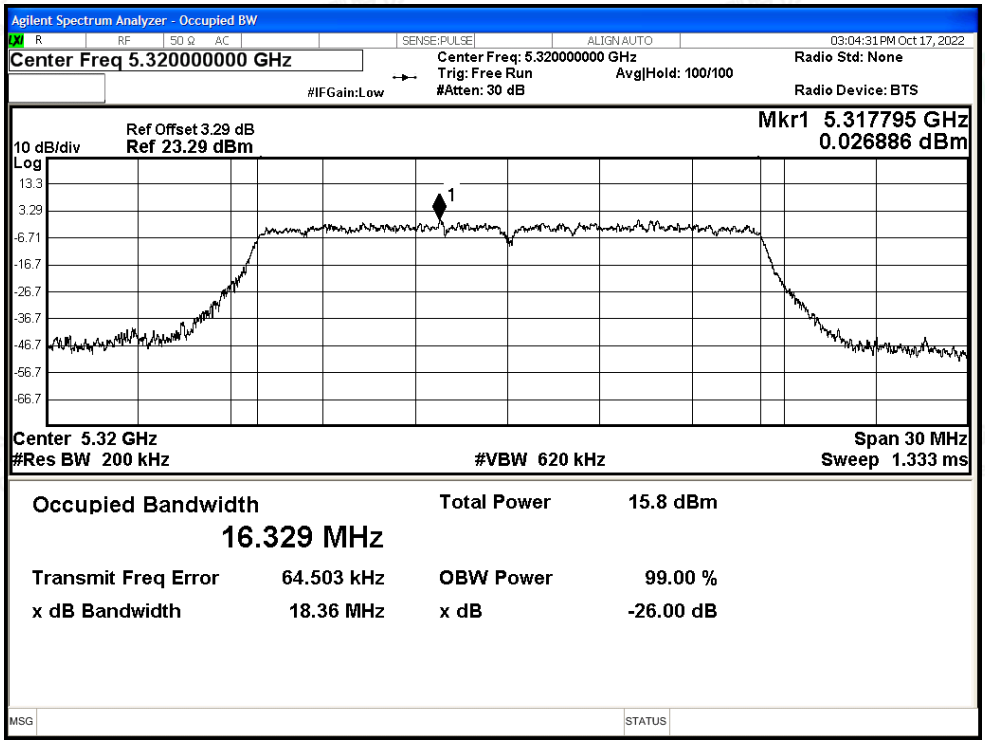
-26dB Bandwidth NVNT n20 5260MHz Ant1



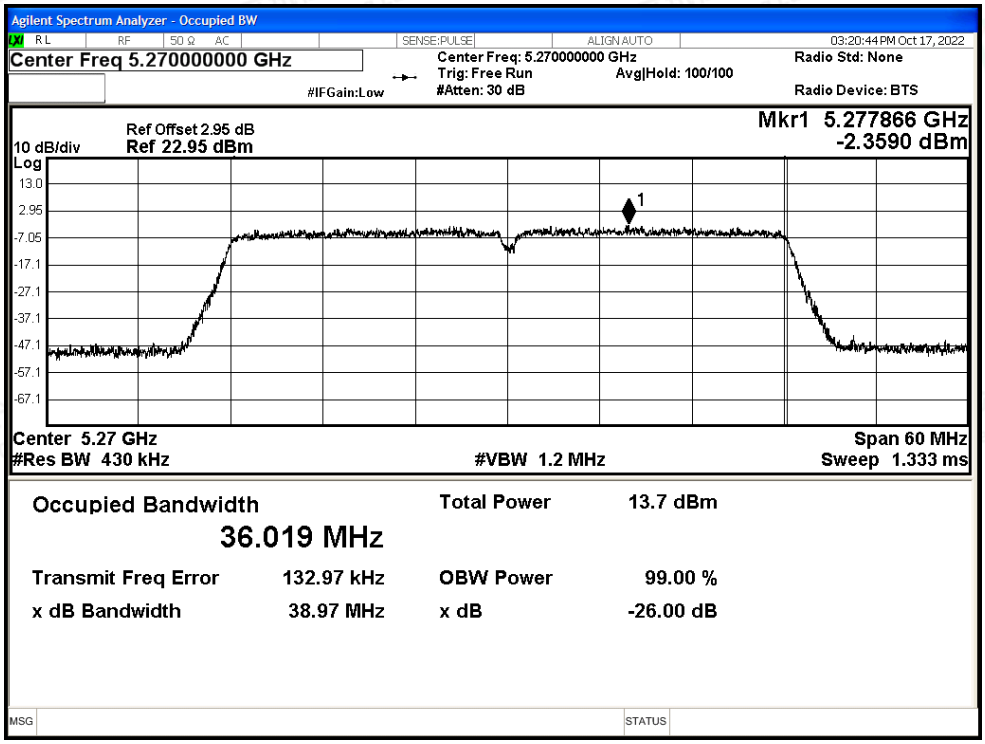
-26dB Bandwidth NVNT n20 5300MHz Ant1



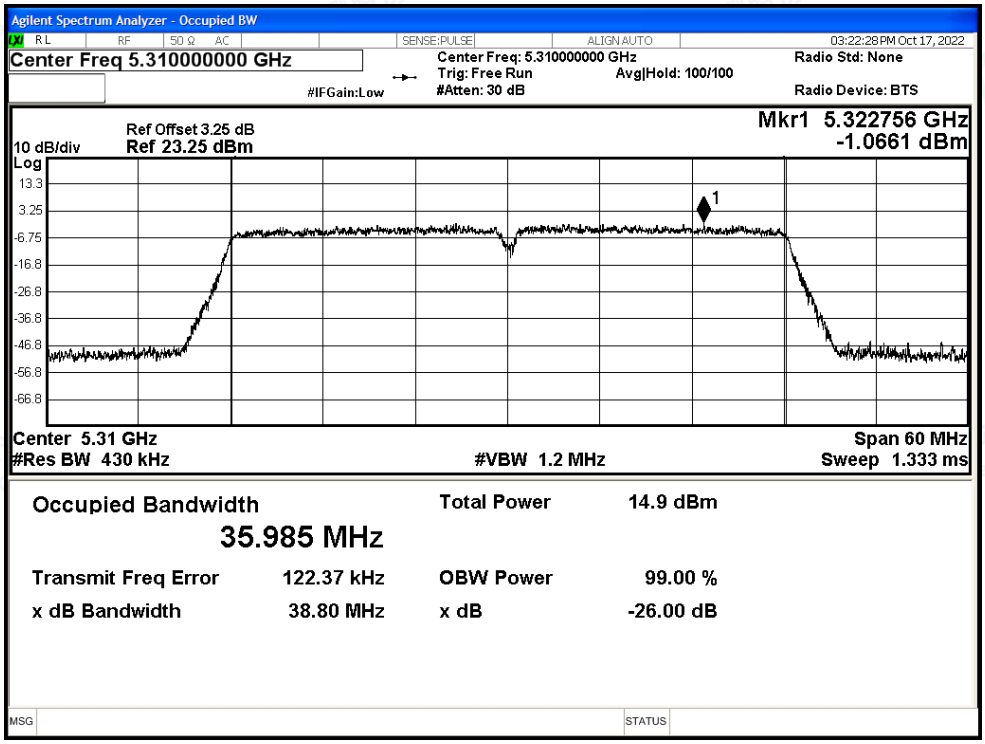
-26dB Bandwidth NVNT n20 5320MHz Ant1



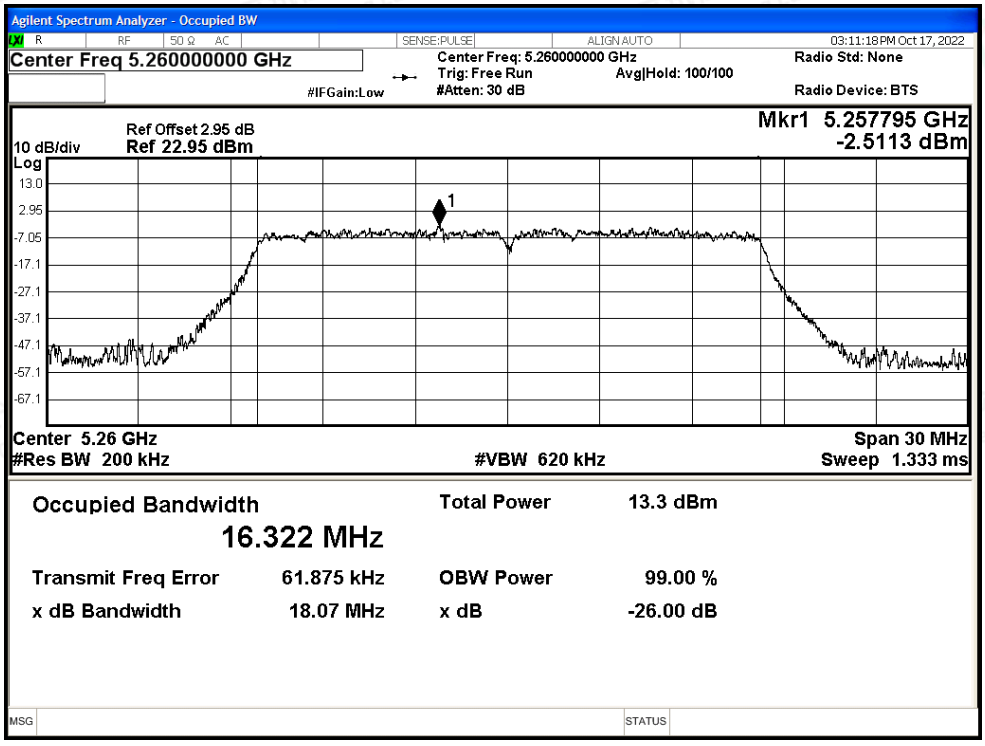
-26dB Bandwidth NVNT n40 5270MHz Ant1



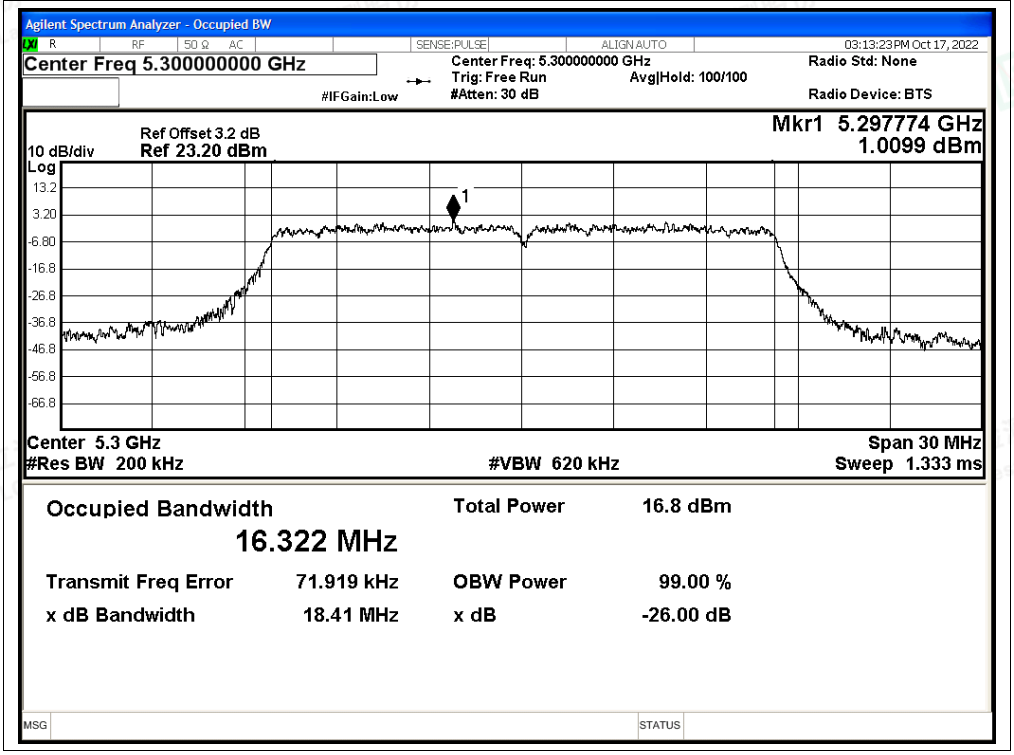
-26dB Bandwidth NVNT n40 5310MHz Ant1



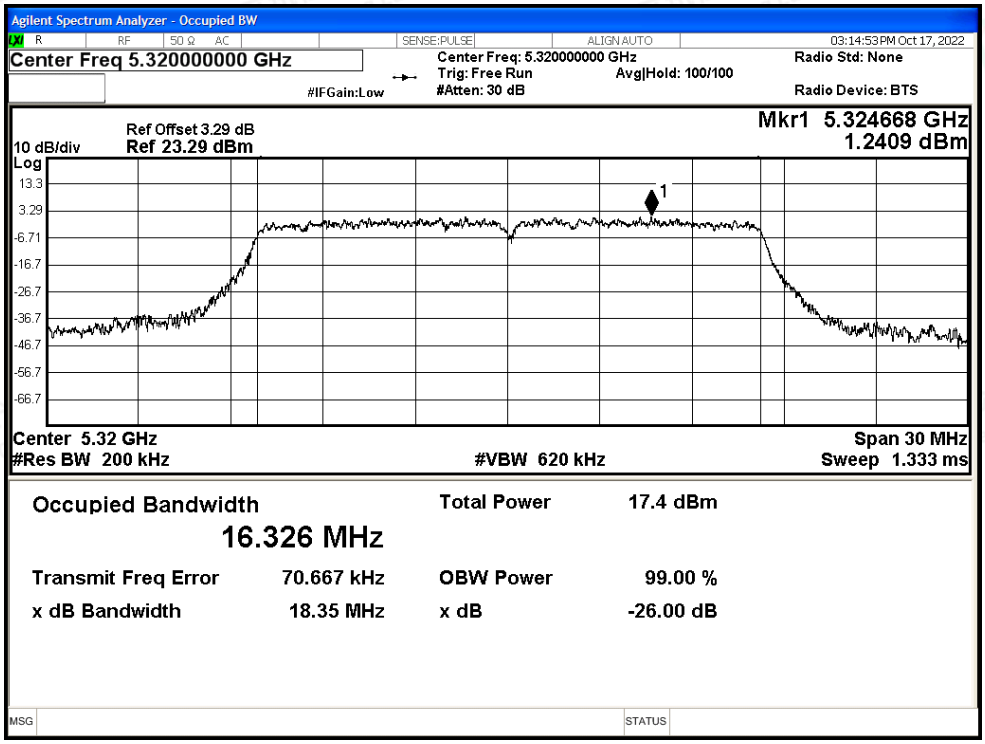
-26dB Bandwidth NVNT ac20 5260MHz Ant1



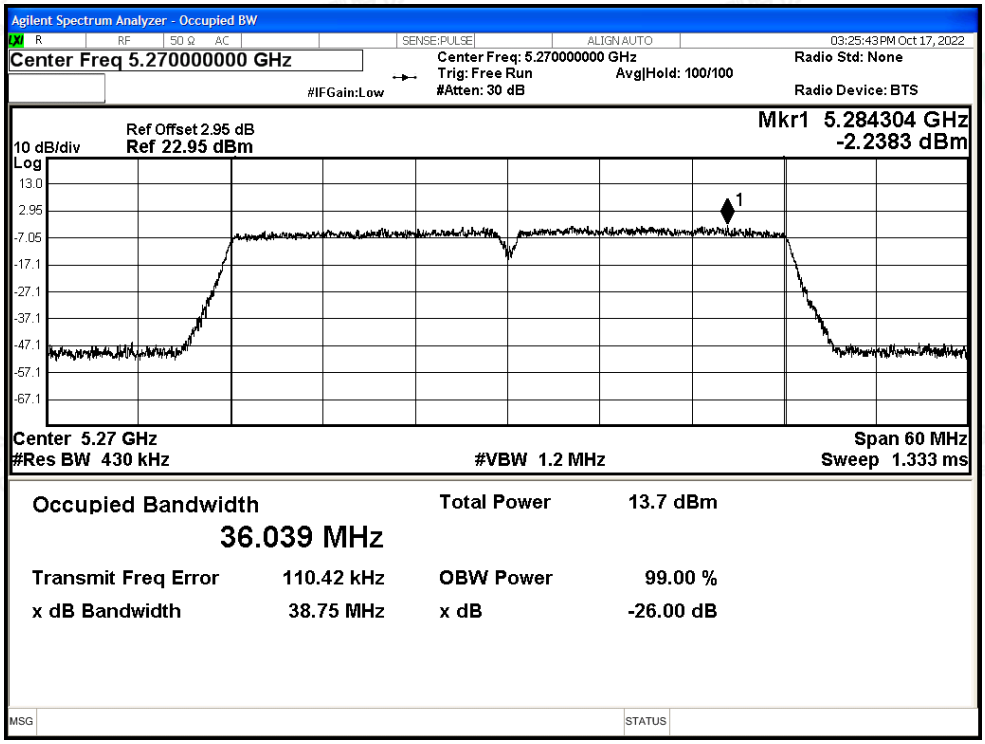
-26dB Bandwidth NVNT ac20 5300MHz Ant1



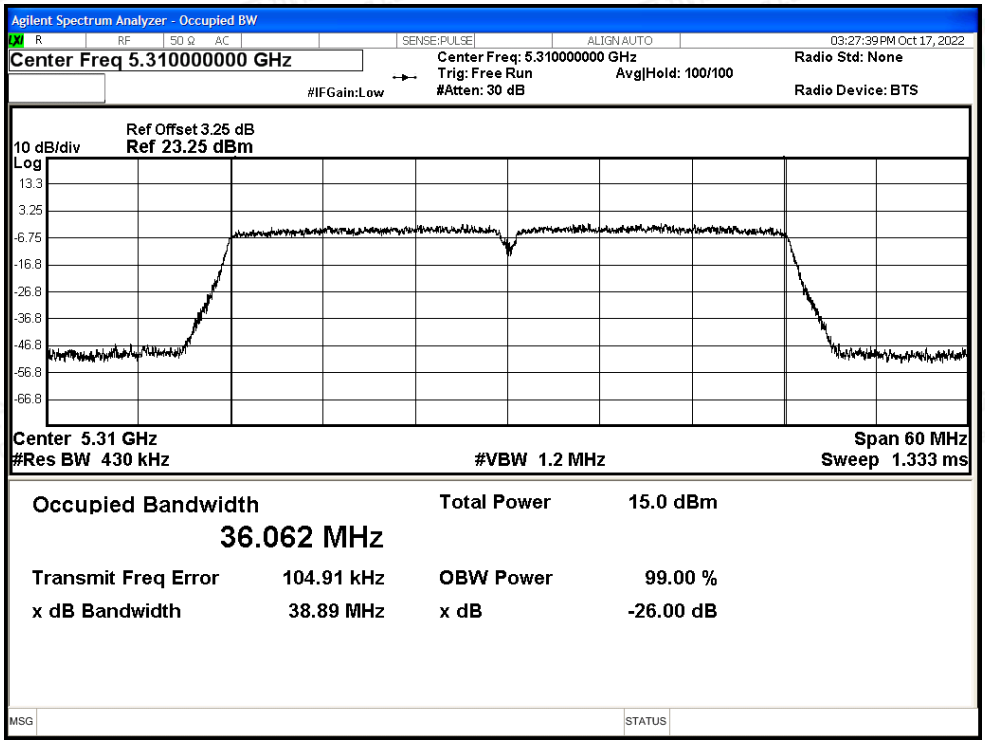
-26dB Bandwidth NVNT ac20 5320MHz Ant1



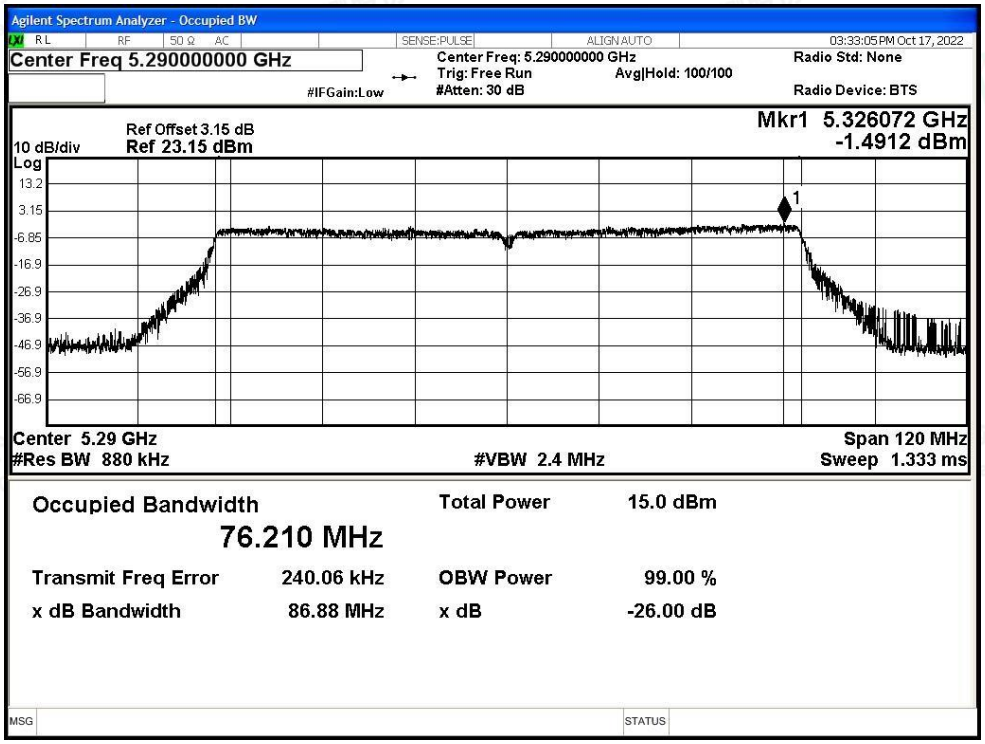
-26dB Bandwidth NVNT ac40 5270MHz Ant1



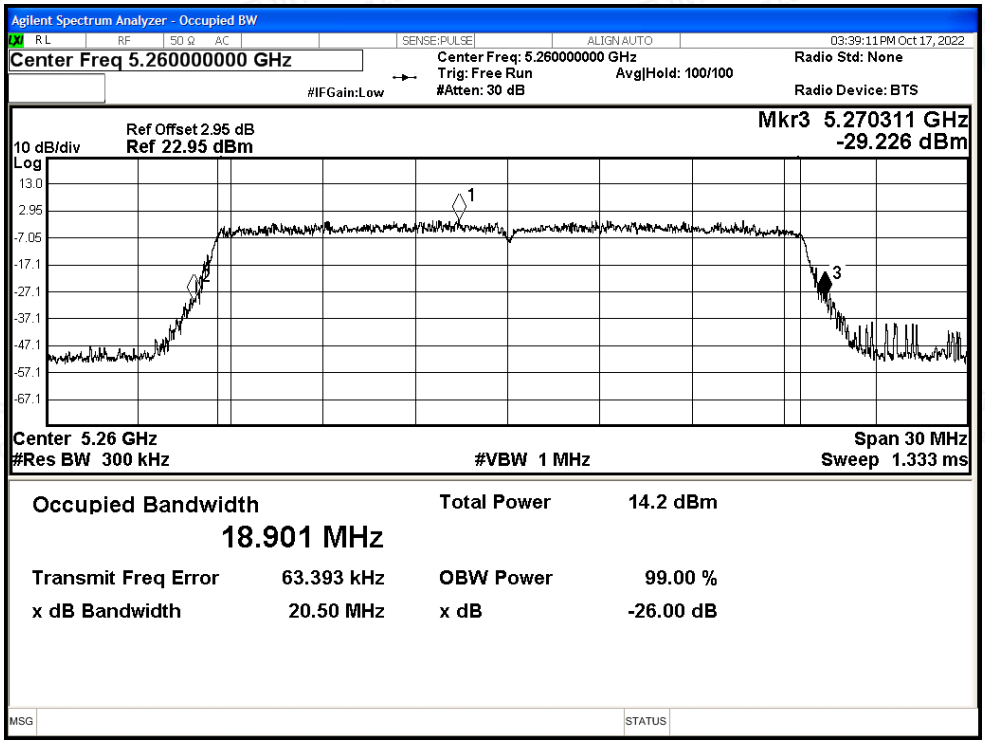
-26dB Bandwidth NVNT ac40 5310MHz Ant1



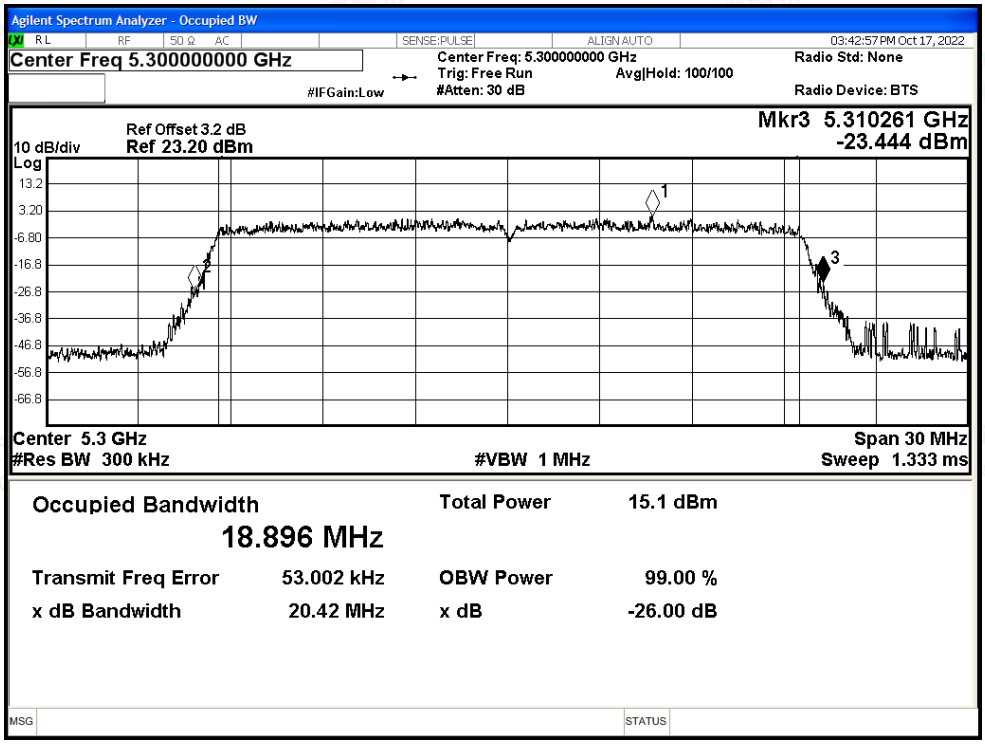
-26dB Bandwidth NVNT ac80 5290MHz Ant1



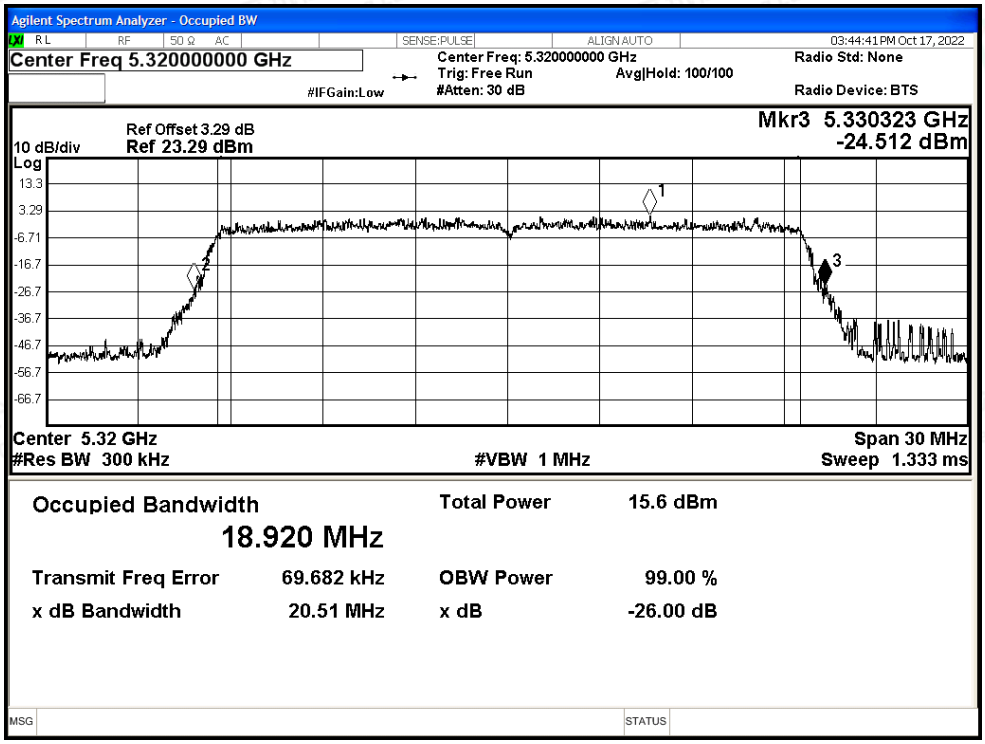
-26dB Bandwidth NVNT ax20 5260MHz Ant1



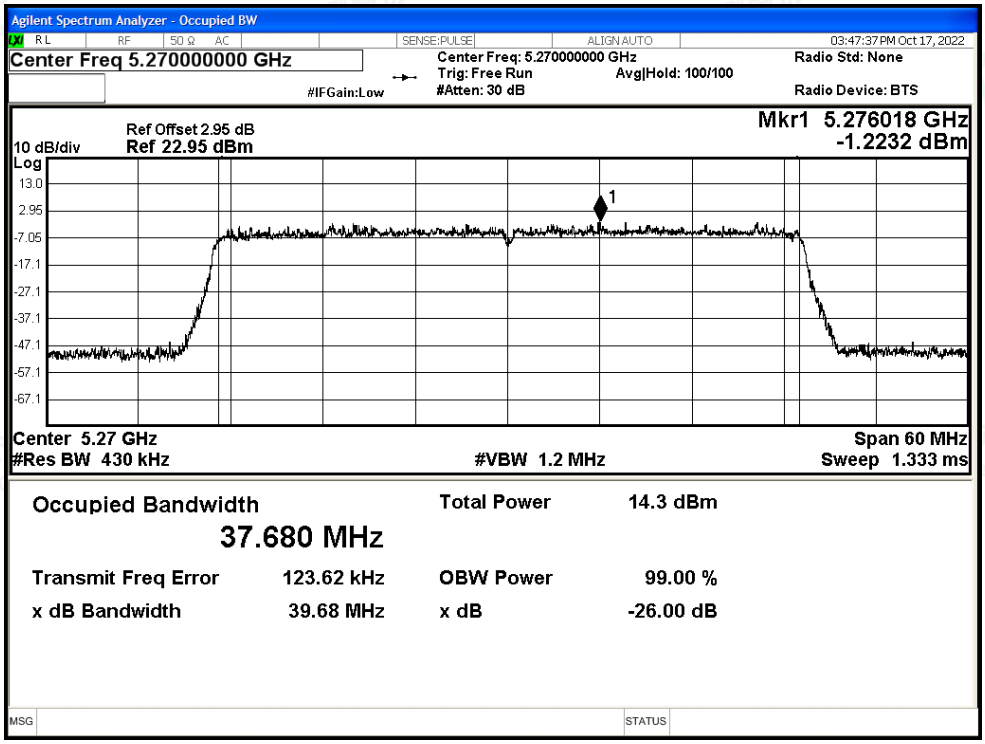
-26dB Bandwidth NVNT ax20 5300MHz Ant1



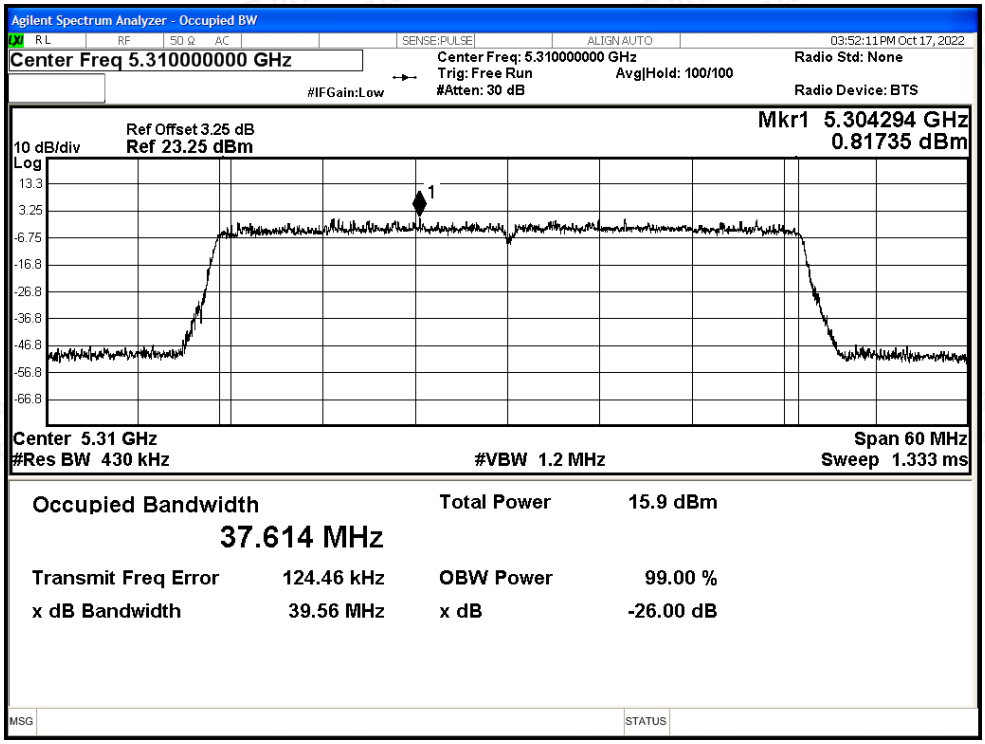
-26dB Bandwidth NVNT ax20 5320MHz Ant1



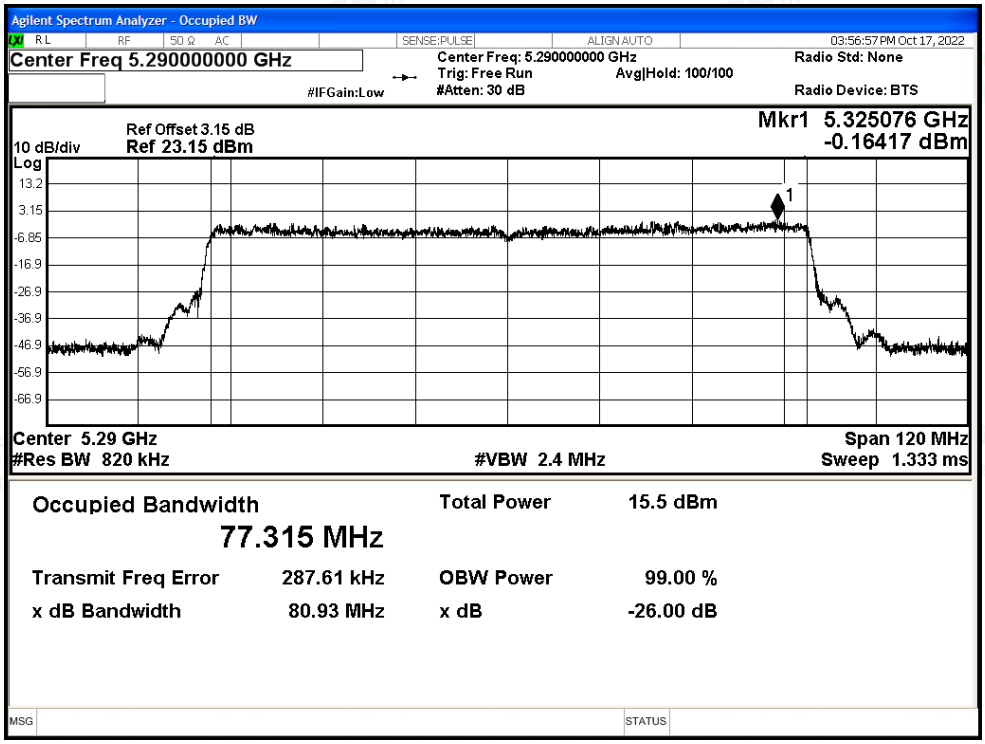
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

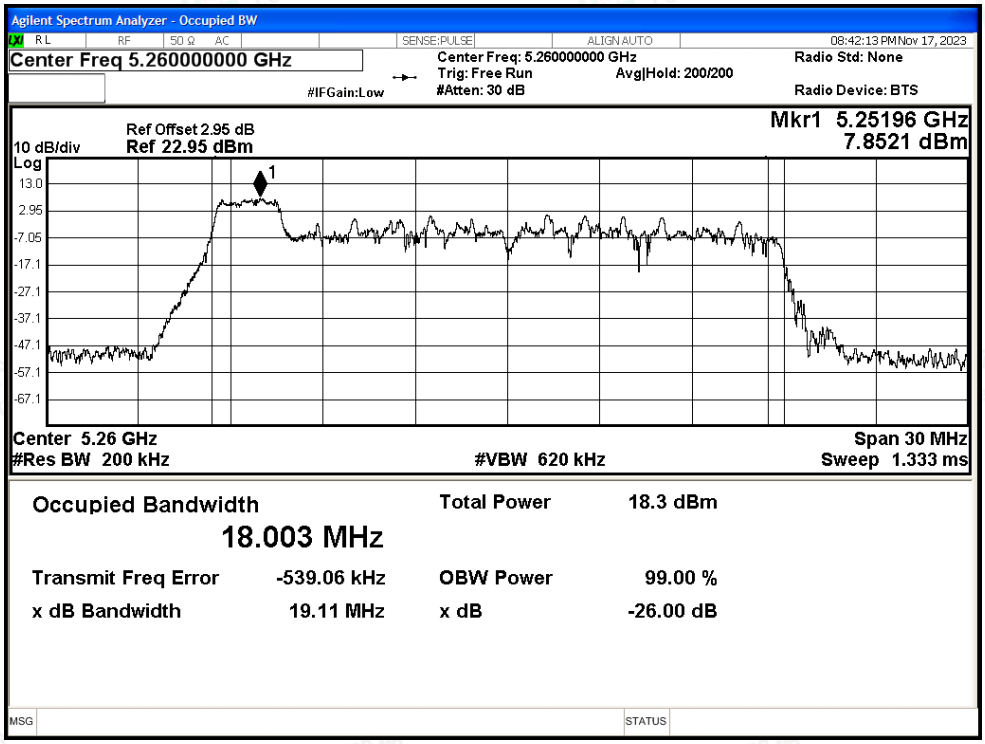


802.11ax OFDMA-(26 Tone)

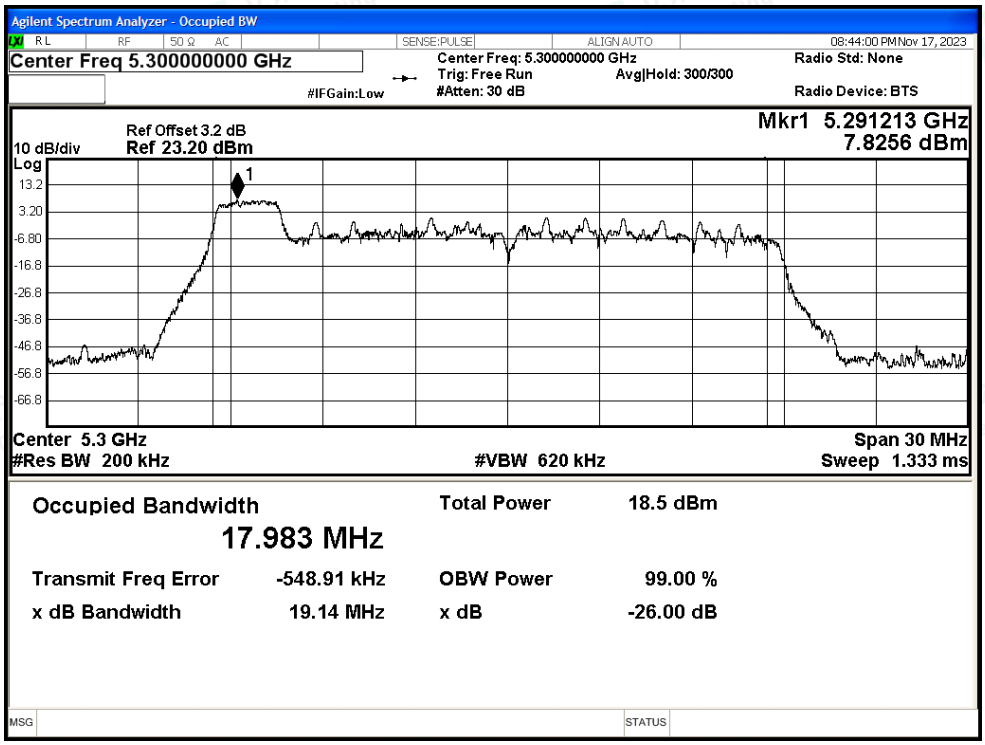
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant0	19.11
NVNT	ax20	5300	Ant0	19.14
NVNT	ax20	5320	Ant0	19.12
NVNT	ax40	5270	Ant0	18.97
NVNT	ax40	5310	Ant0	19.23
NVNT	ax80	5290	Ant0	19.38

Test Graphs

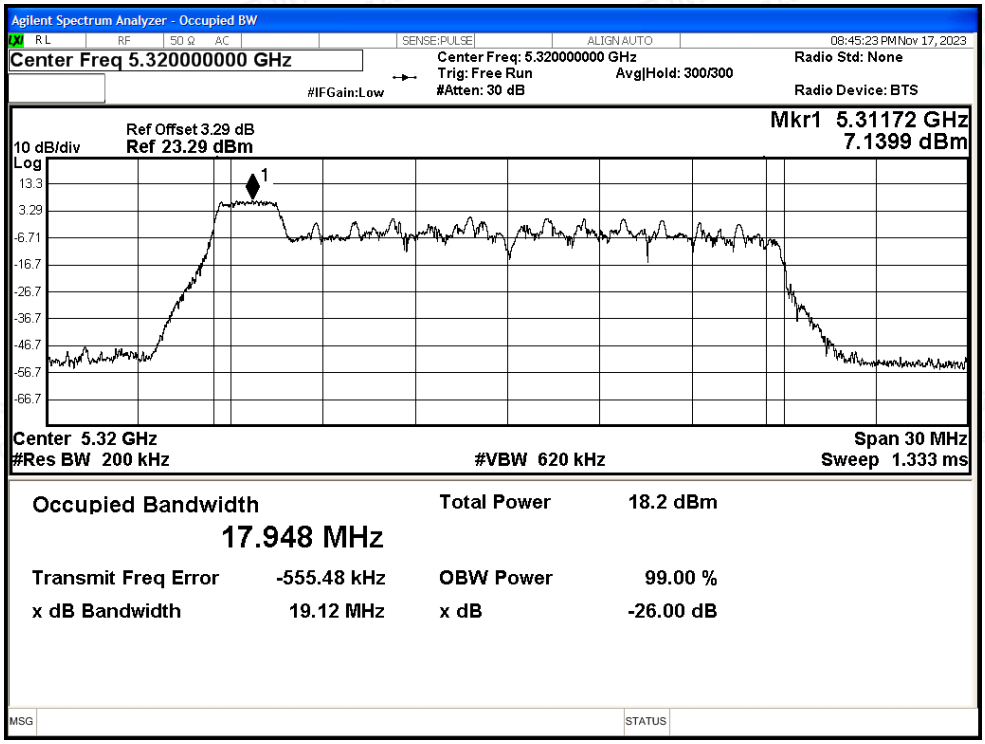
-26dB Bandwidth NVNT ax20 5260MHz Ant0



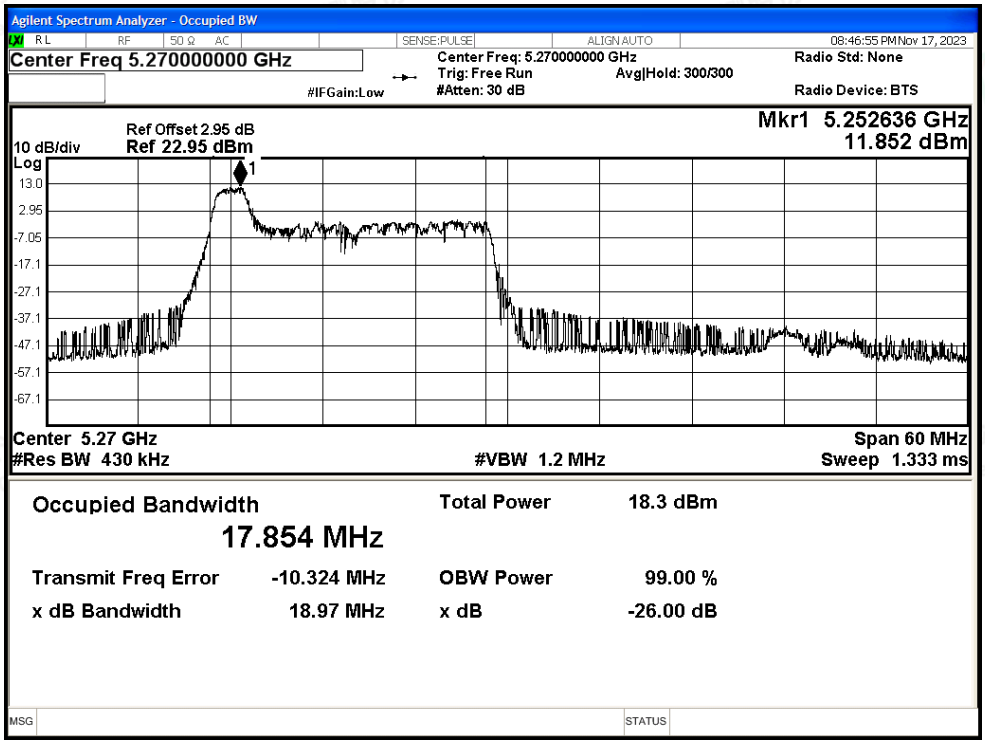
-26dB Bandwidth NVNT ax20 5300MHz Ant0



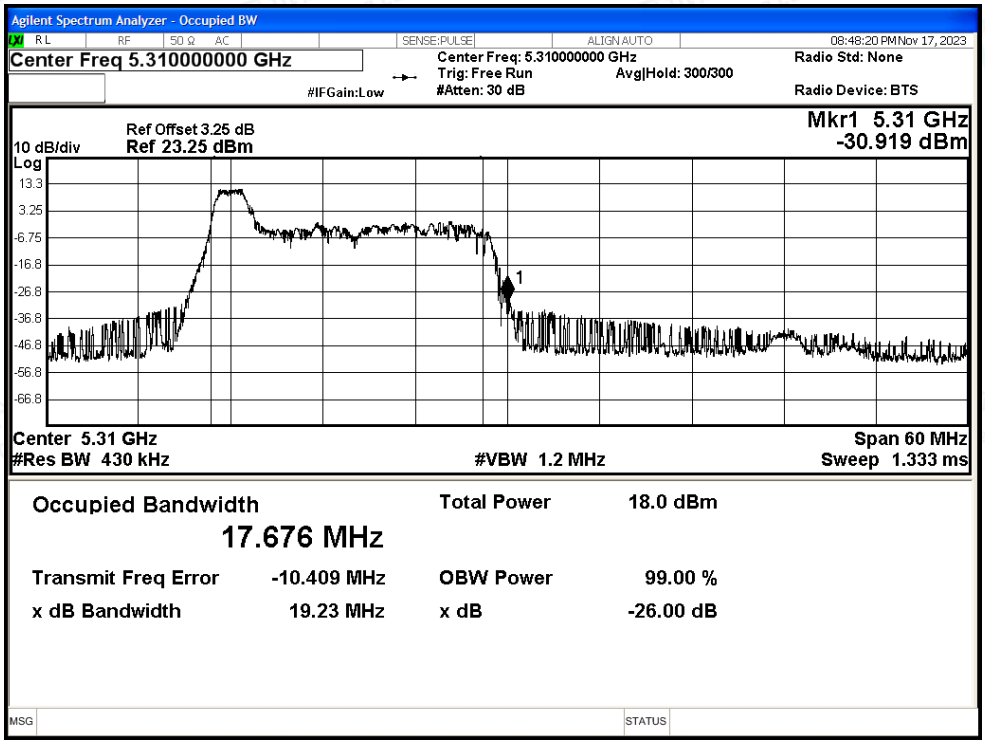
-26dB Bandwidth NVNT ax20 5320MHz Ant0



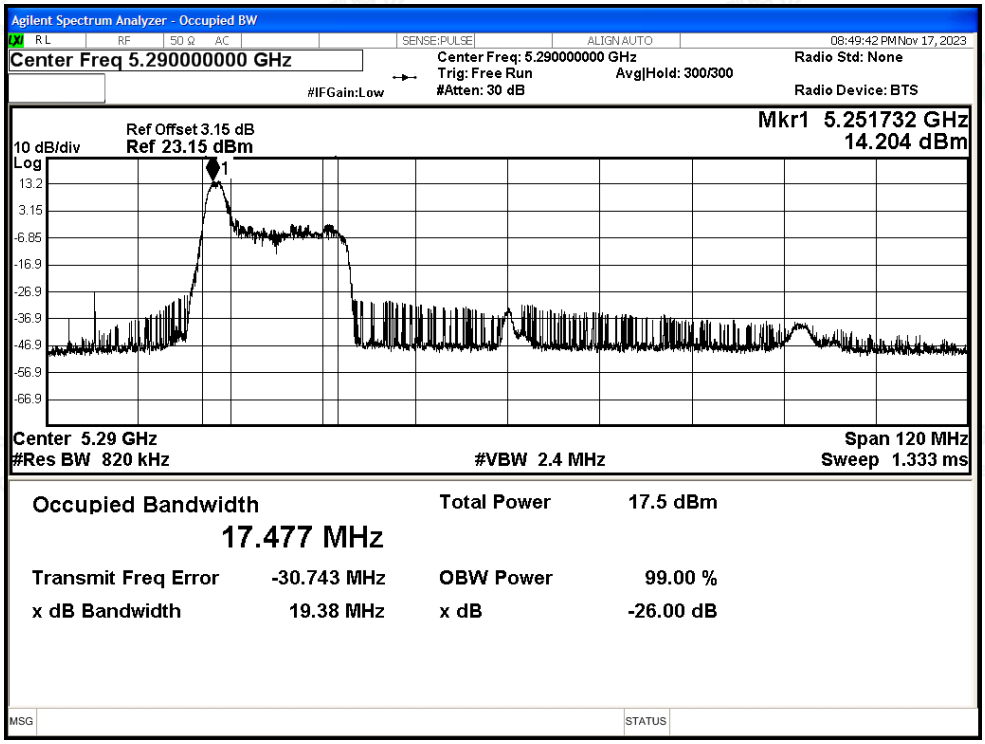
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



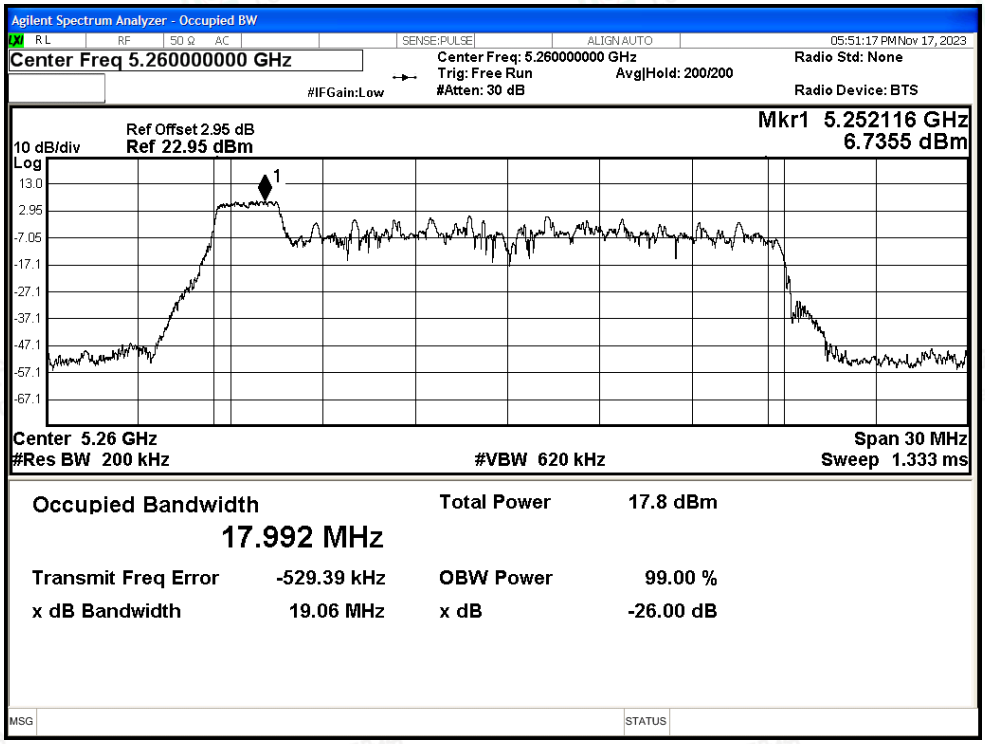
-26dB Bandwidth NVNT ax80 5290MHz Ant0



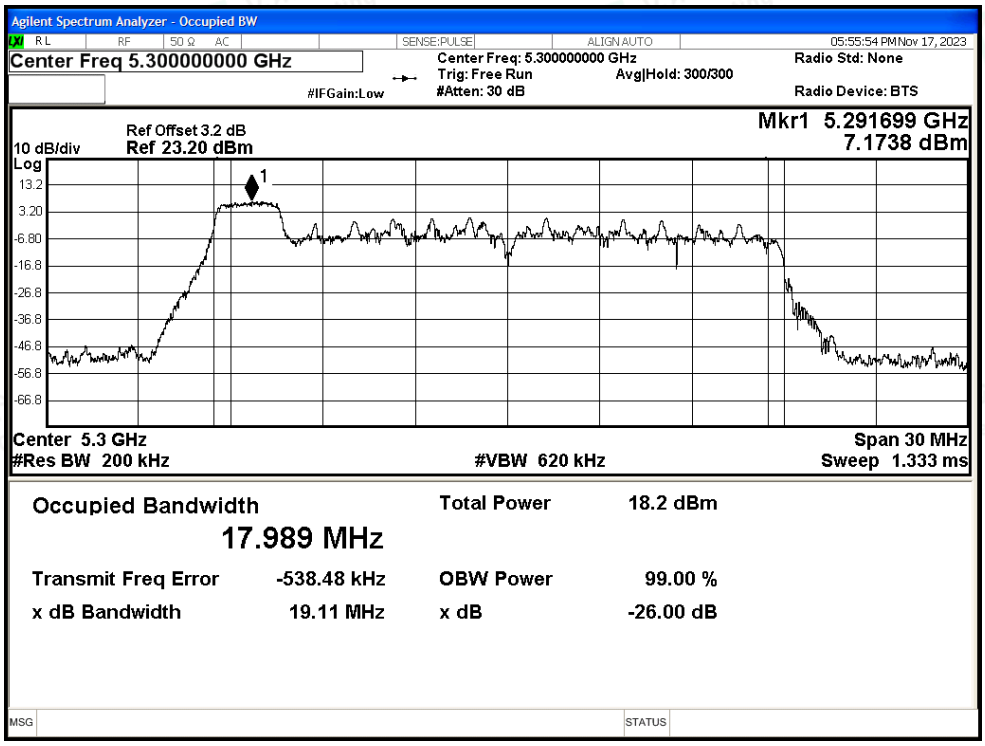
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant1	19.06
NVNT	ax20	5300	Ant1	19.11
NVNT	ax20	5320	Ant1	19.12
NVNT	ax40	5270	Ant1	19.18
NVNT	ax40	5310	Ant1	19.00
NVNT	ax80	5290	Ant1	19.34

Test Graphs

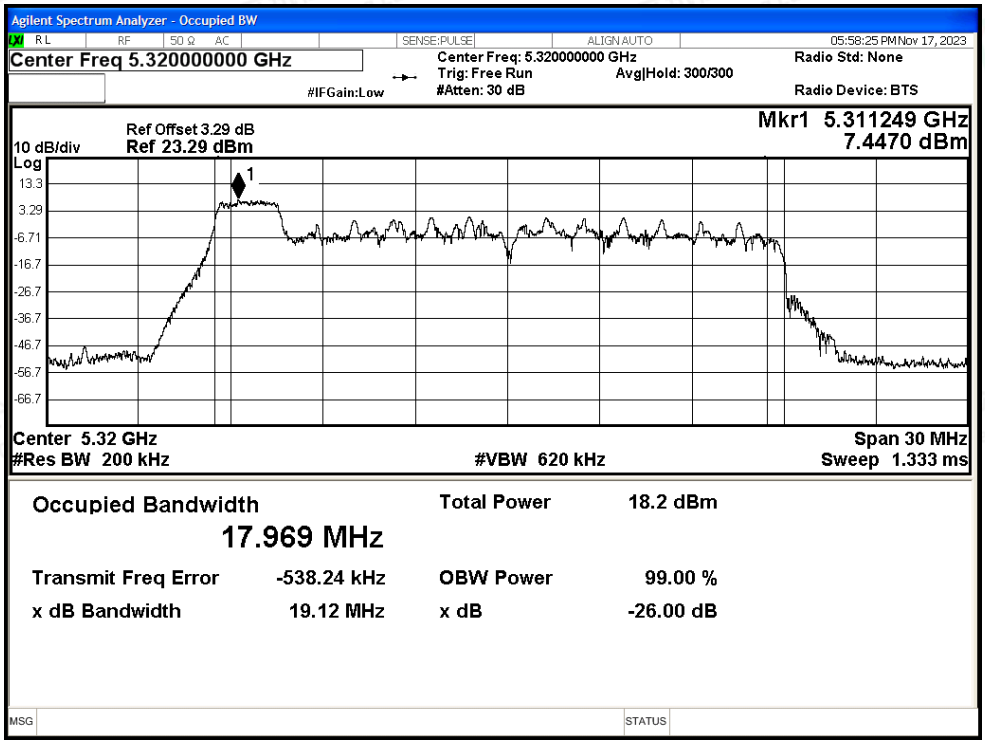
-26dB Bandwidth NVNT ax20 5260MHz Ant1



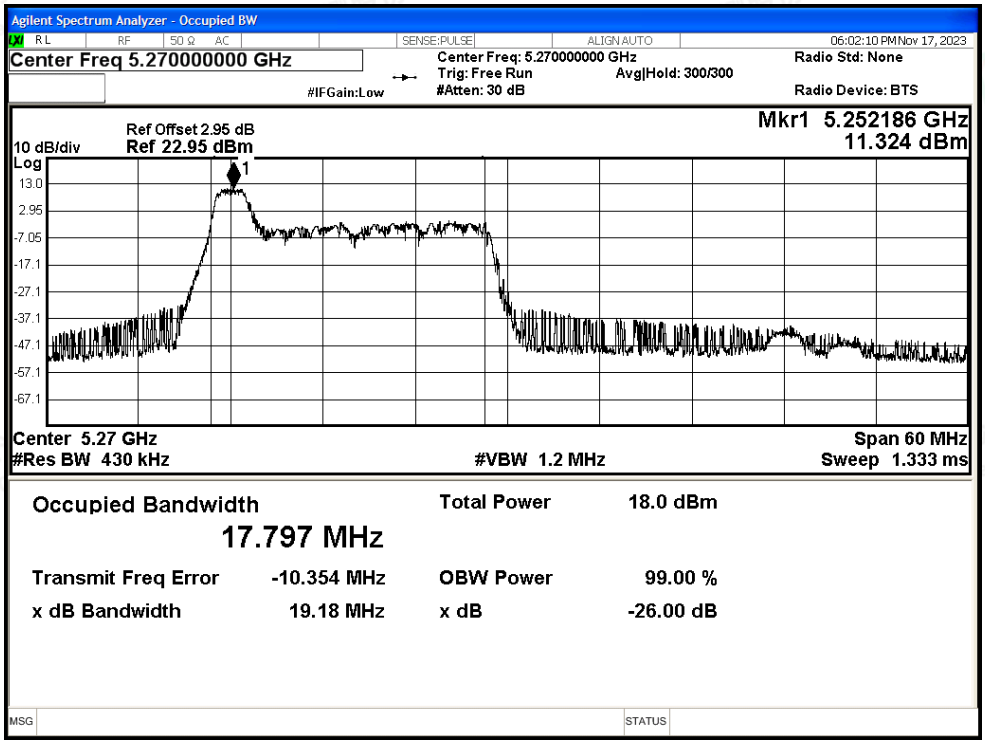
-26dB Bandwidth NVNT ax20 5300MHz Ant1



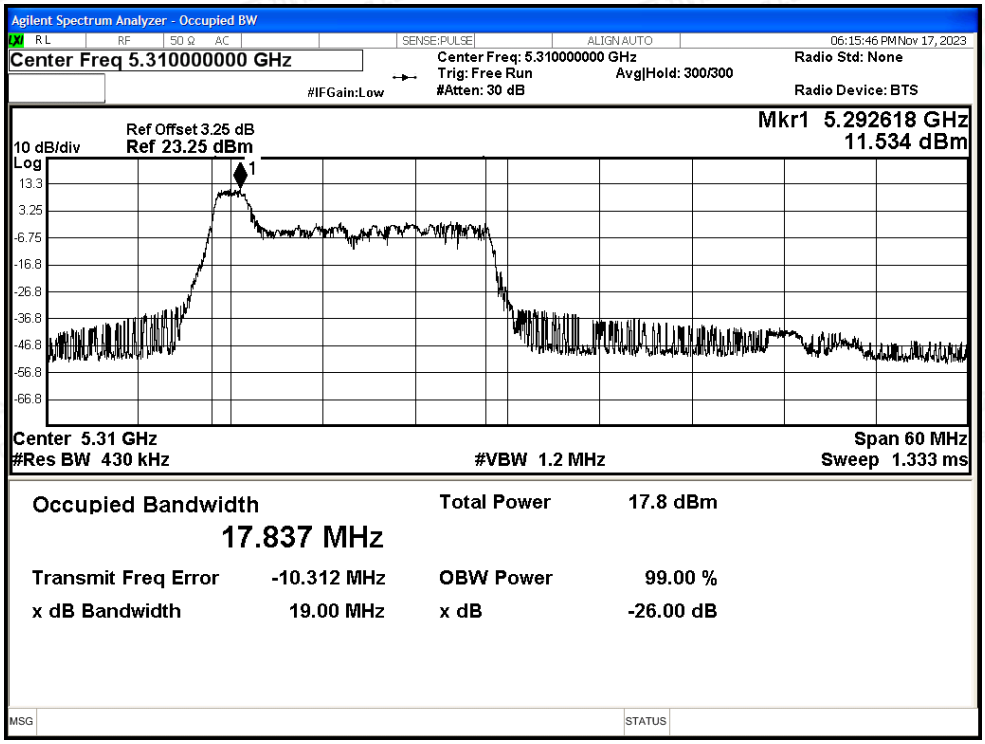
-26dB Bandwidth NVNT ax20 5320MHz Ant1



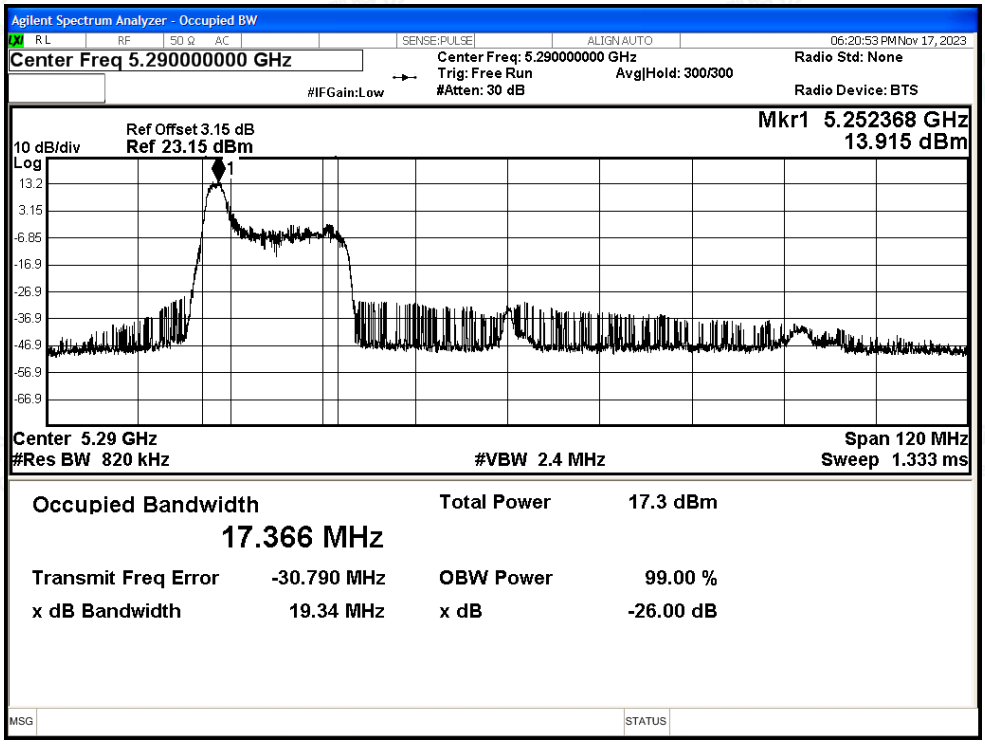
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

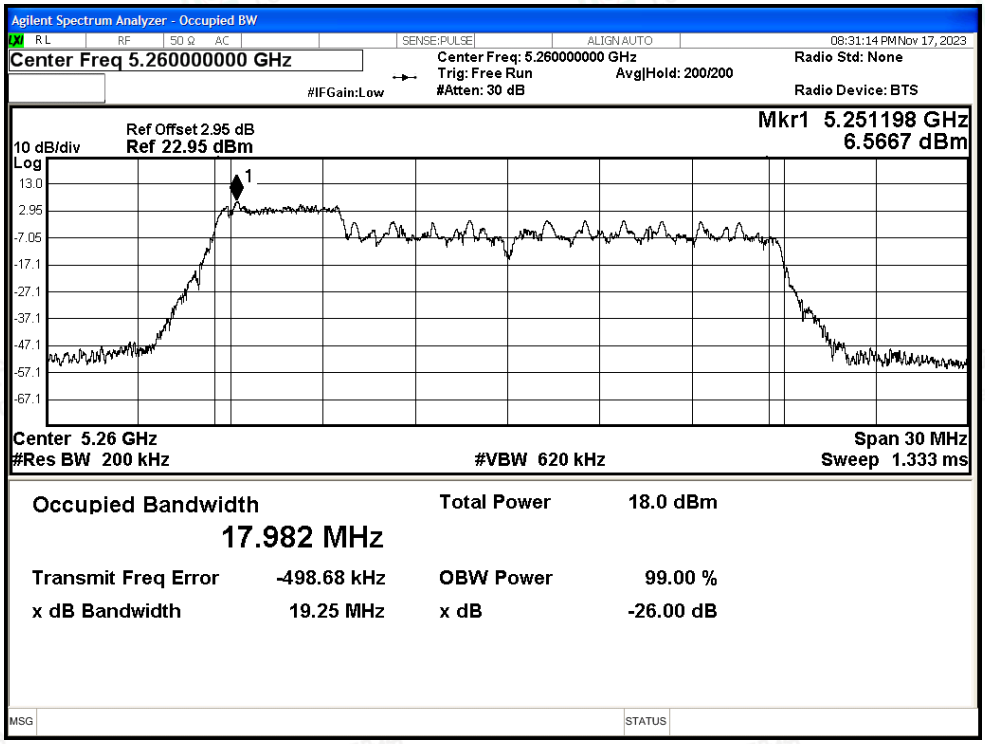


802.11ax OFDMA-(52 Tone)

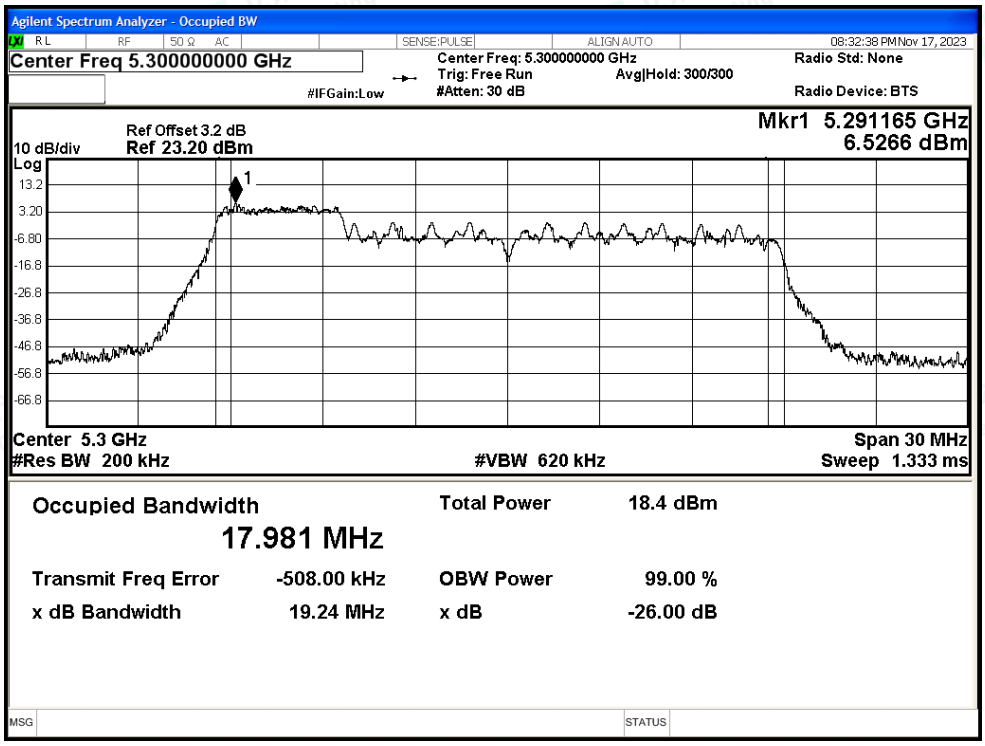
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant0	19.25
NVNT	ax20	5300	Ant0	19.24
NVNT	ax20	5320	Ant0	19.23
NVNT	ax40	5270	Ant0	18.97
NVNT	ax40	5310	Ant0	19.05
NVNT	ax80	5290	Ant0	19.31

Test Graphs

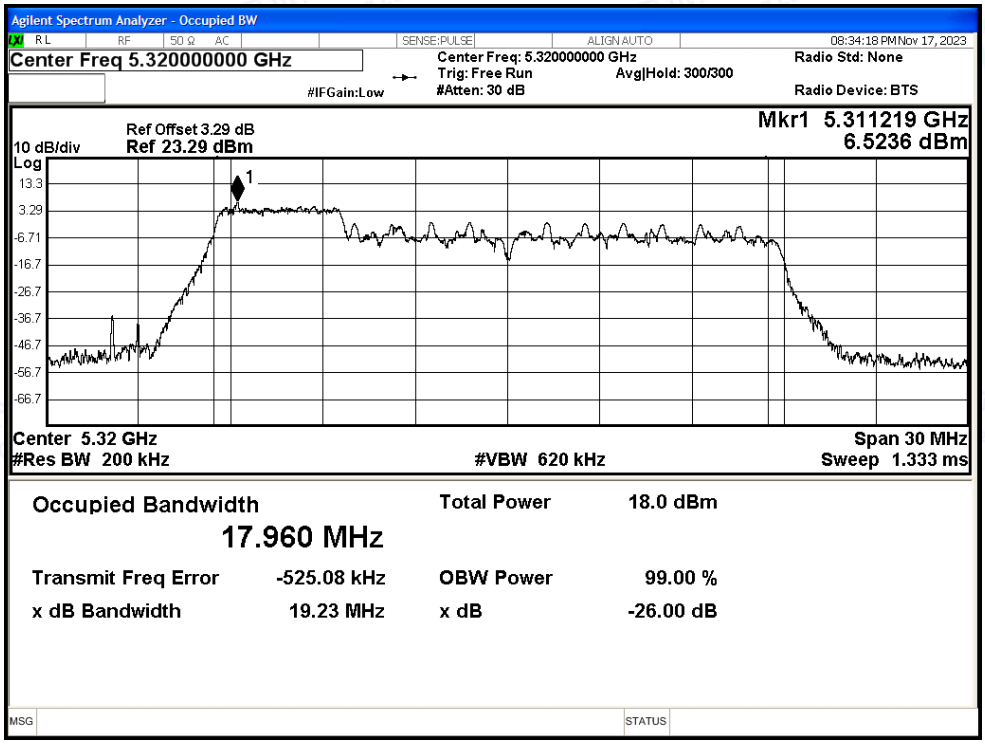
-26dB Bandwidth NVNT ax20 5260MHz Ant0



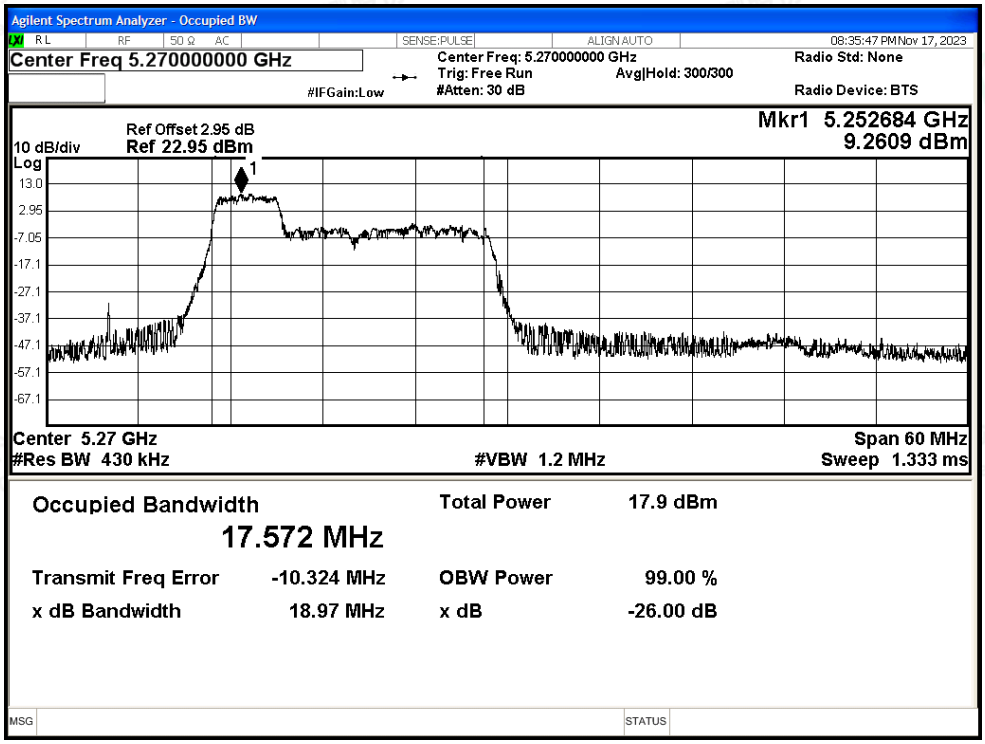
-26dB Bandwidth NVNT ax20 5300MHz Ant0



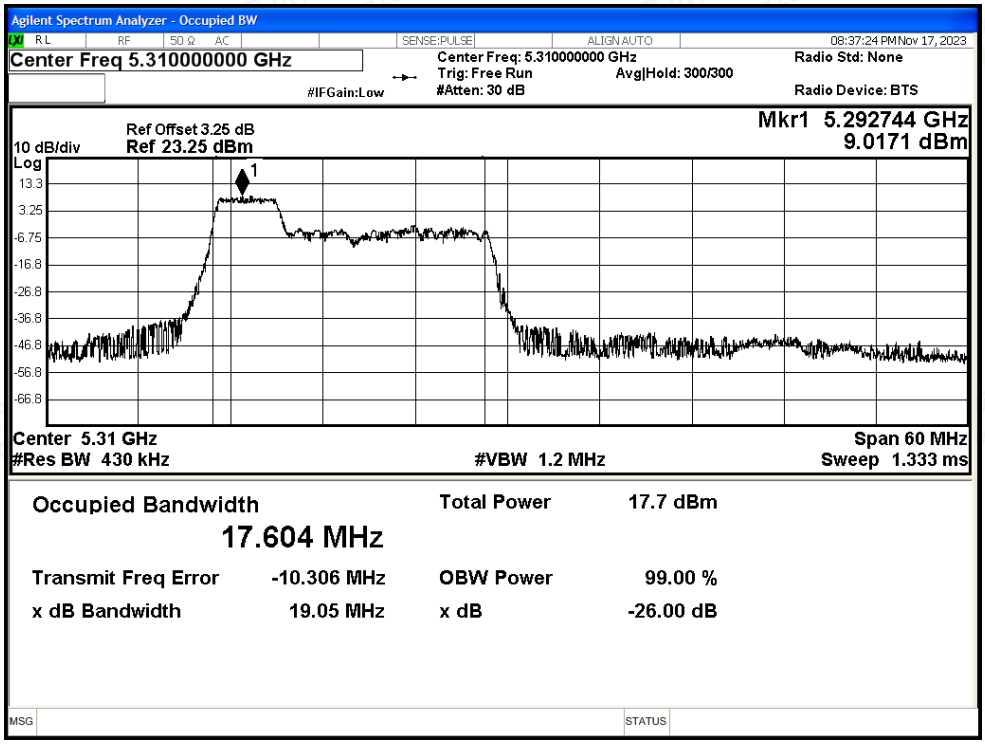
-26dB Bandwidth NVNT ax20 5320MHz Ant0



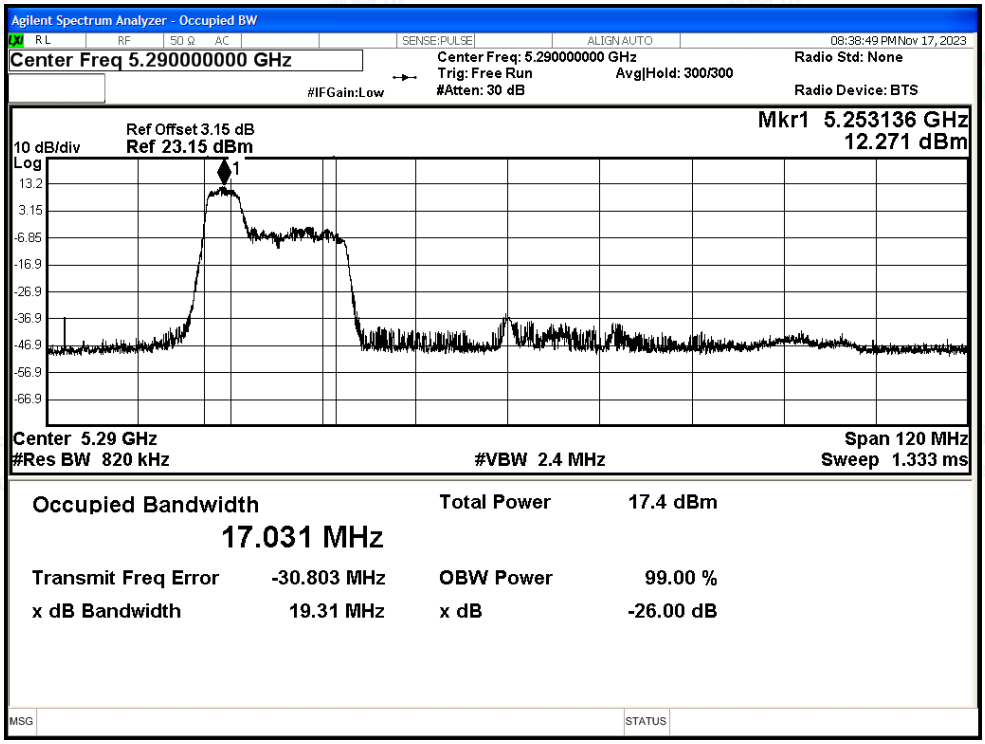
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



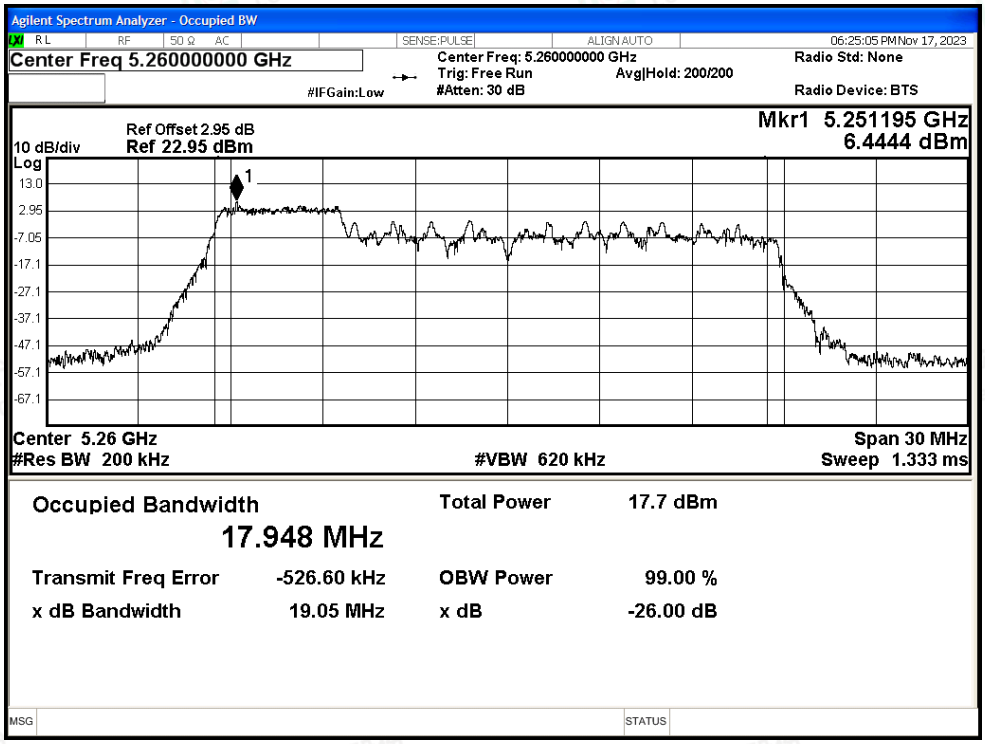
-26dB Bandwidth NVNT ax80 5290MHz Ant0



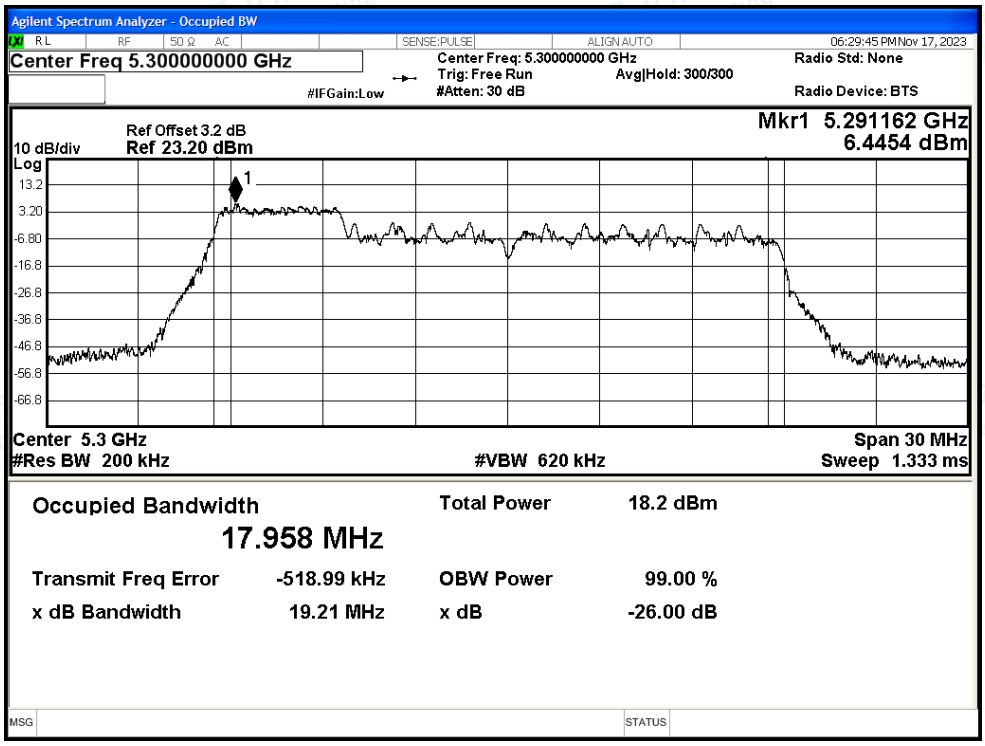
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant1	19.05
NVNT	ax20	5300	Ant1	19.21
NVNT	ax20	5320	Ant1	19.22
NVNT	ax40	5270	Ant1	19.11
NVNT	ax40	5310	Ant1	18.98
NVNT	ax80	5290	Ant1	19.17

Test Graphs

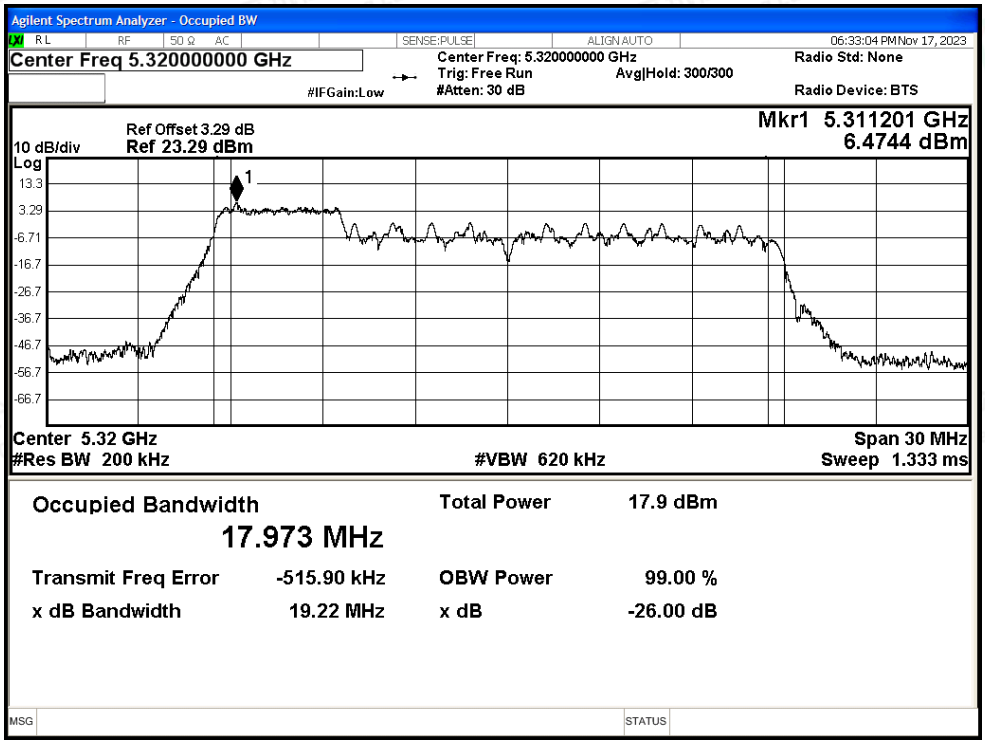
-26dB Bandwidth NVNT ax20 5260MHz Ant1



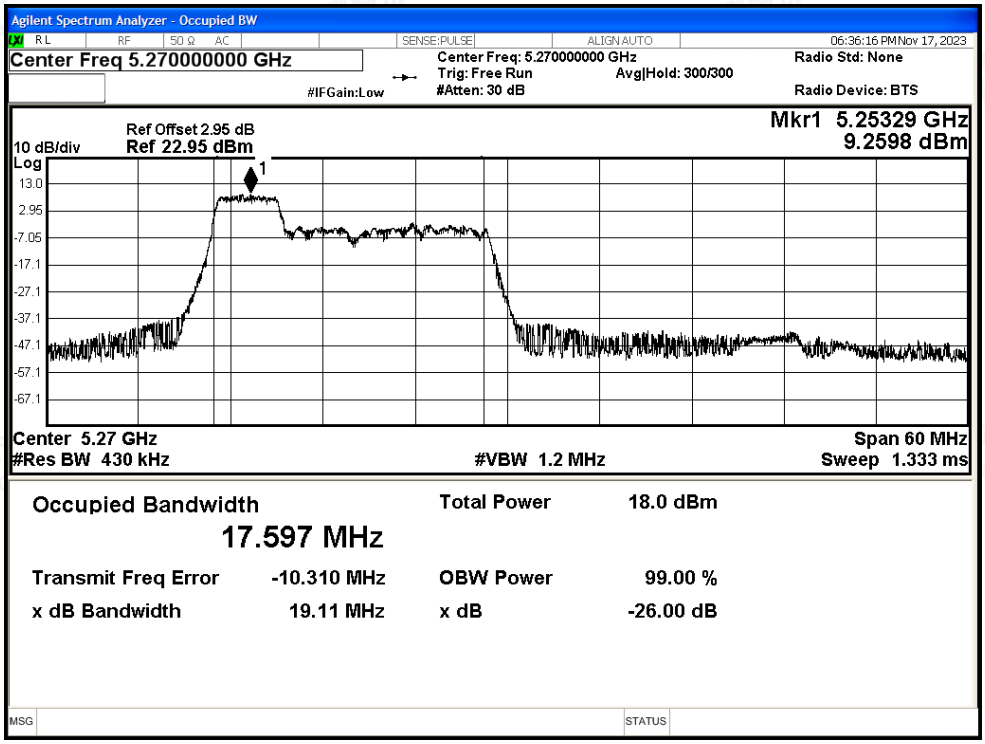
-26dB Bandwidth NVNT ax20 5300MHz Ant1



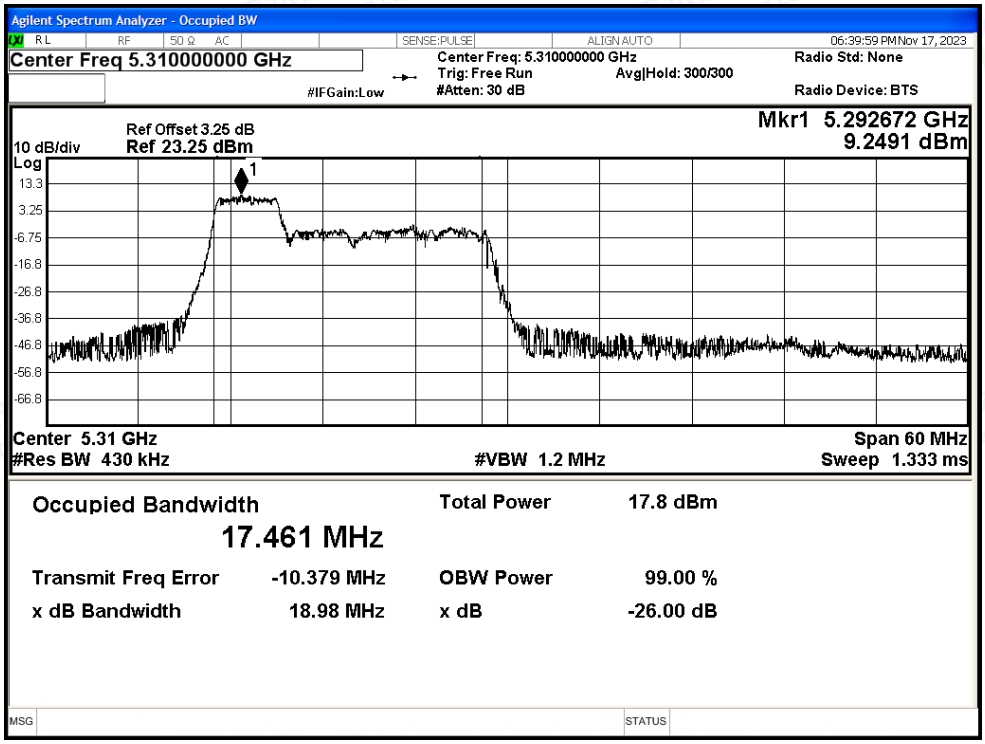
-26dB Bandwidth NVNT ax20 5320MHz Ant1



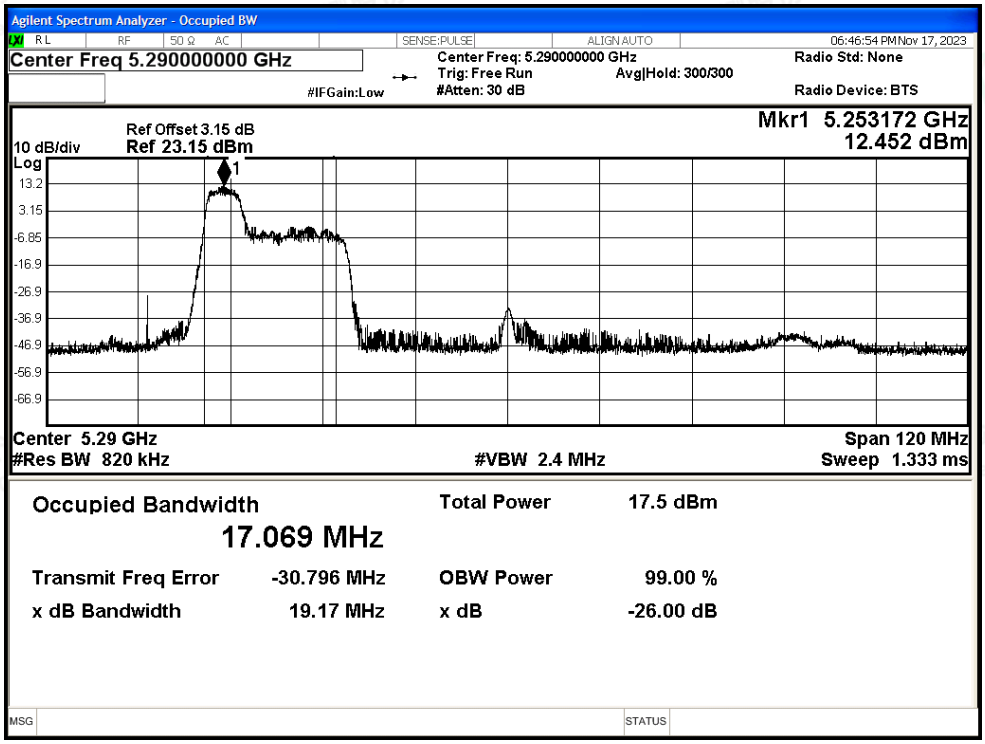
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

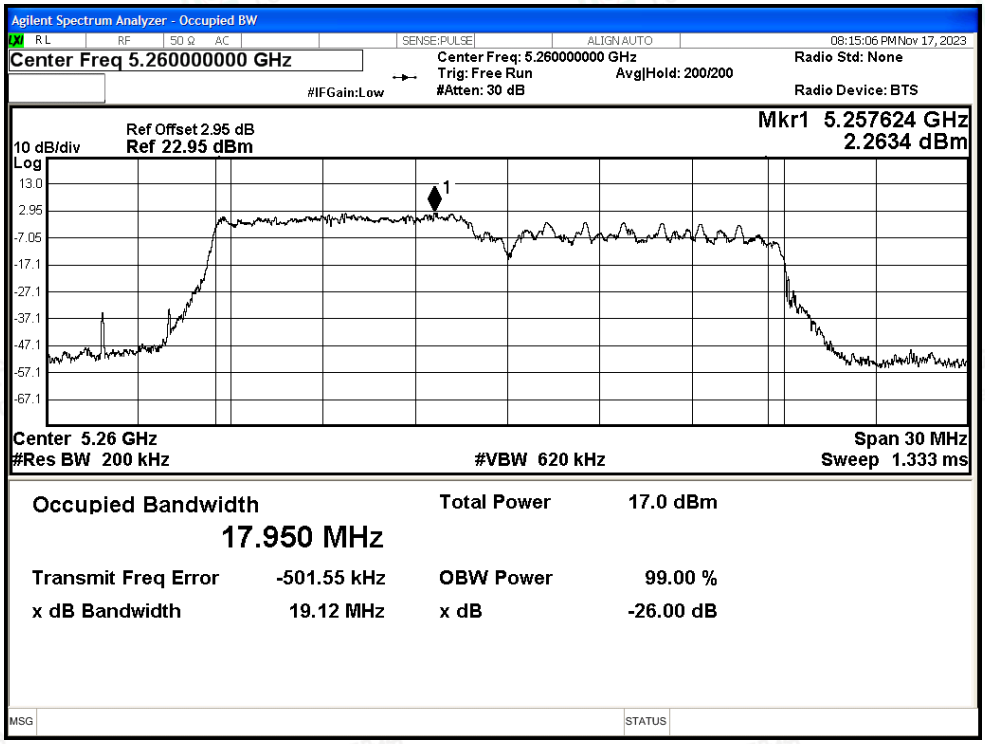


802.11ax OFDMA-(106 Tone)

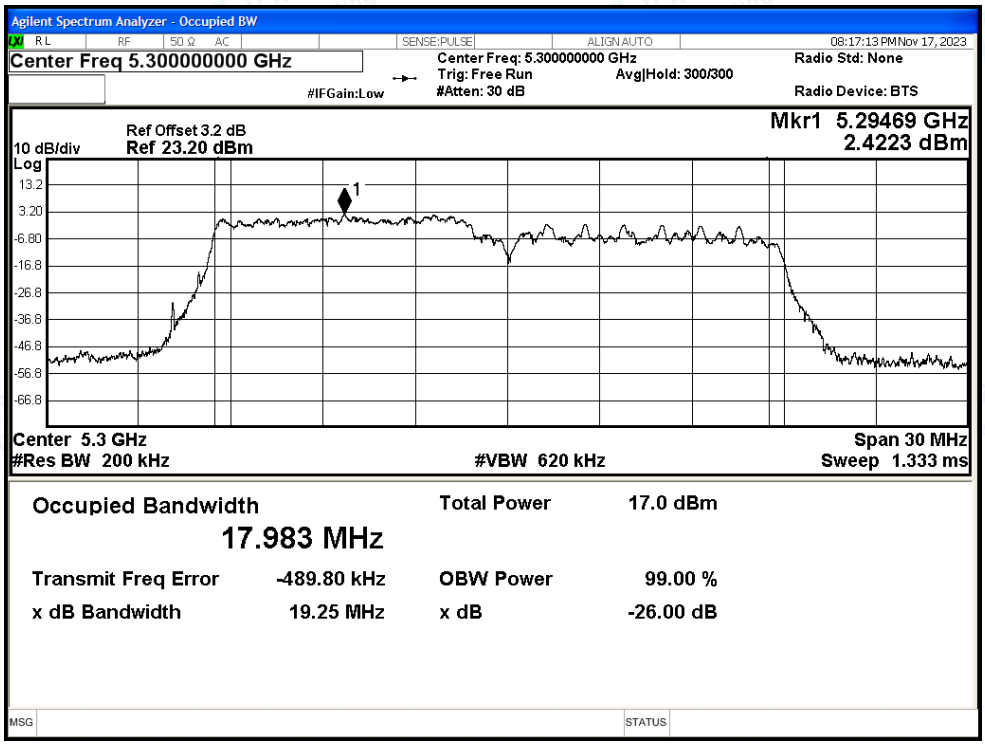
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant0	19.12
NVNT	ax20	5300	Ant0	19.25
NVNT	ax20	5320	Ant0	19.15
NVNT	ax40	5270	Ant0	19.03
NVNT	ax40	5310	Ant0	19.11
NVNT	ax80	5290	Ant0	19.43

Test Graphs

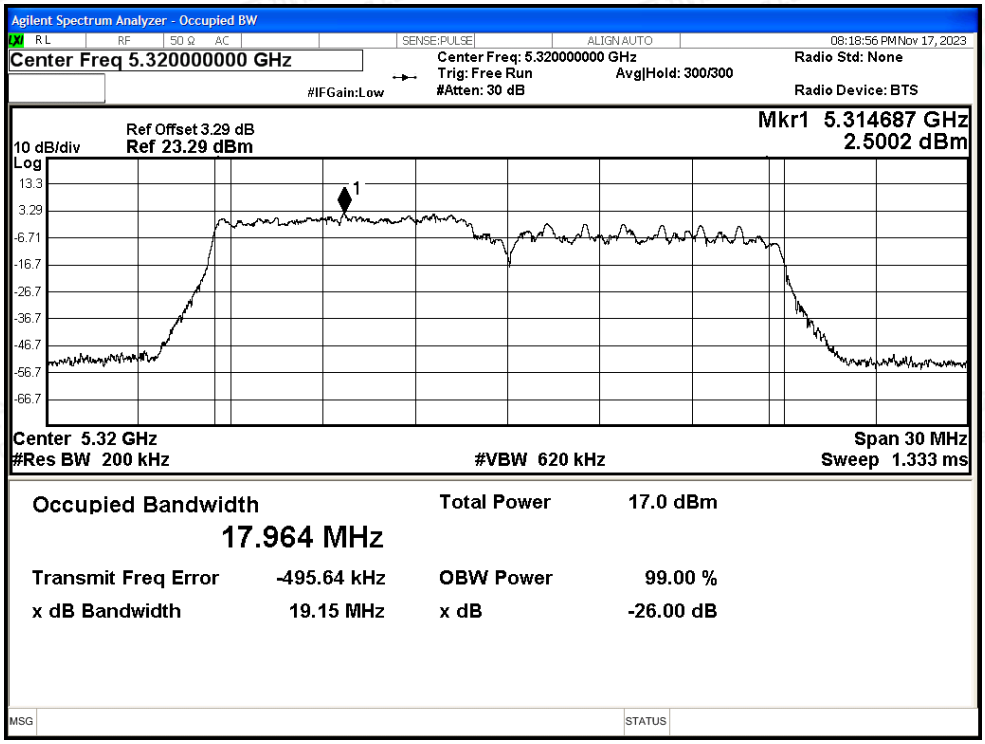
-26dB Bandwidth NVNT ax20 5260MHz Ant0



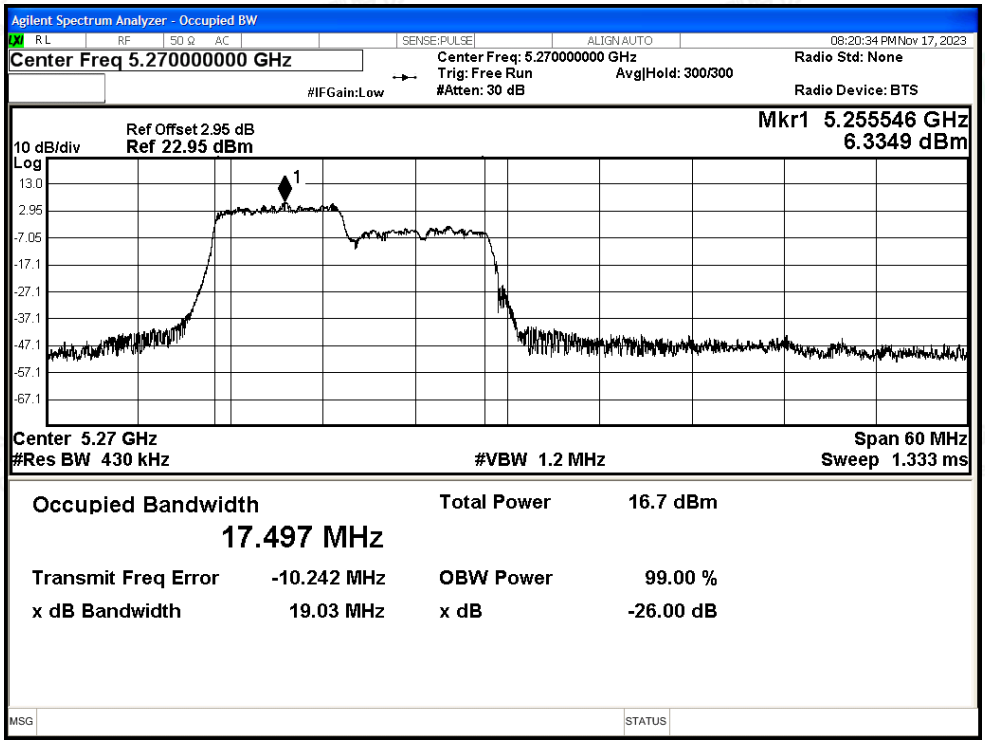
-26dB Bandwidth NVNT ax20 5300MHz Ant0



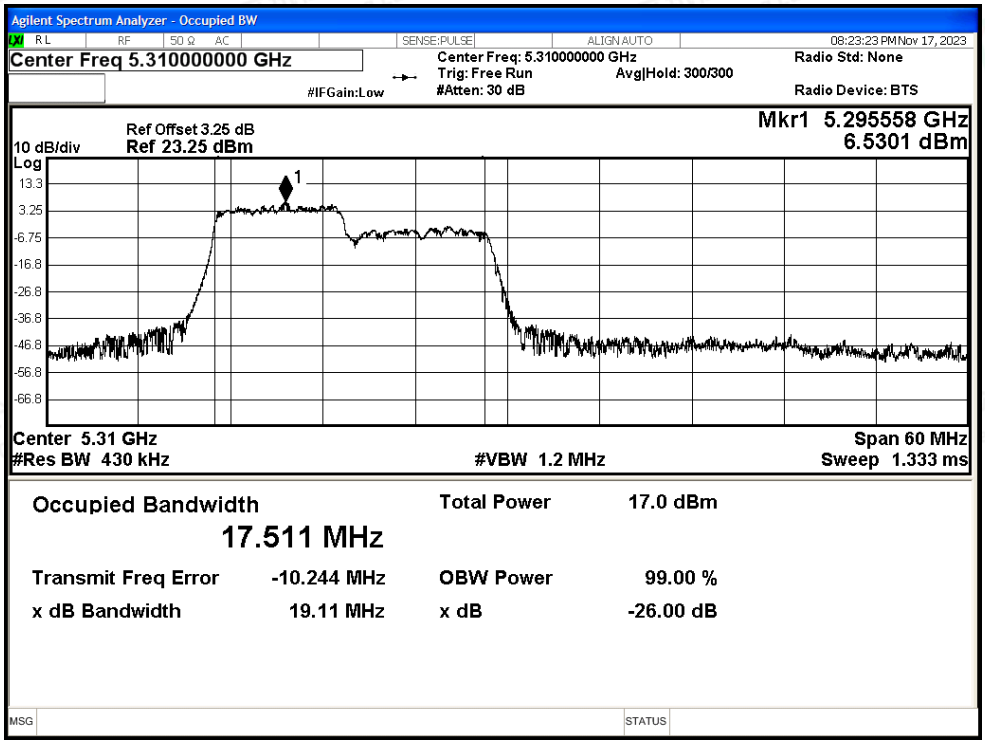
-26dB Bandwidth NVNT ax20 5320MHz Ant0



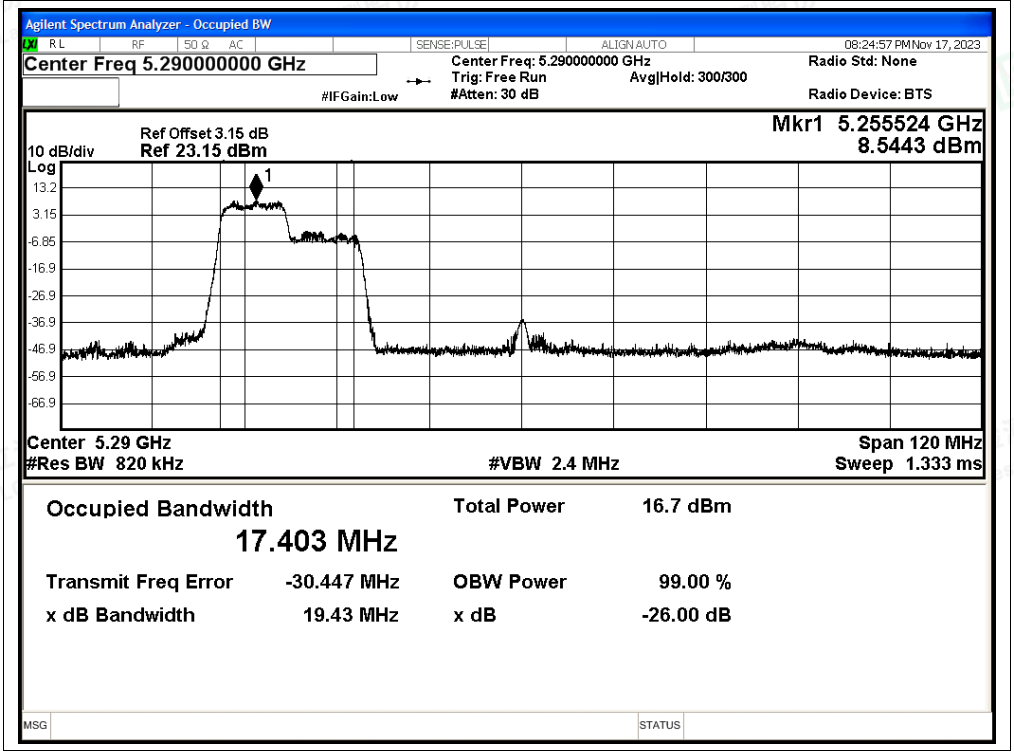
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



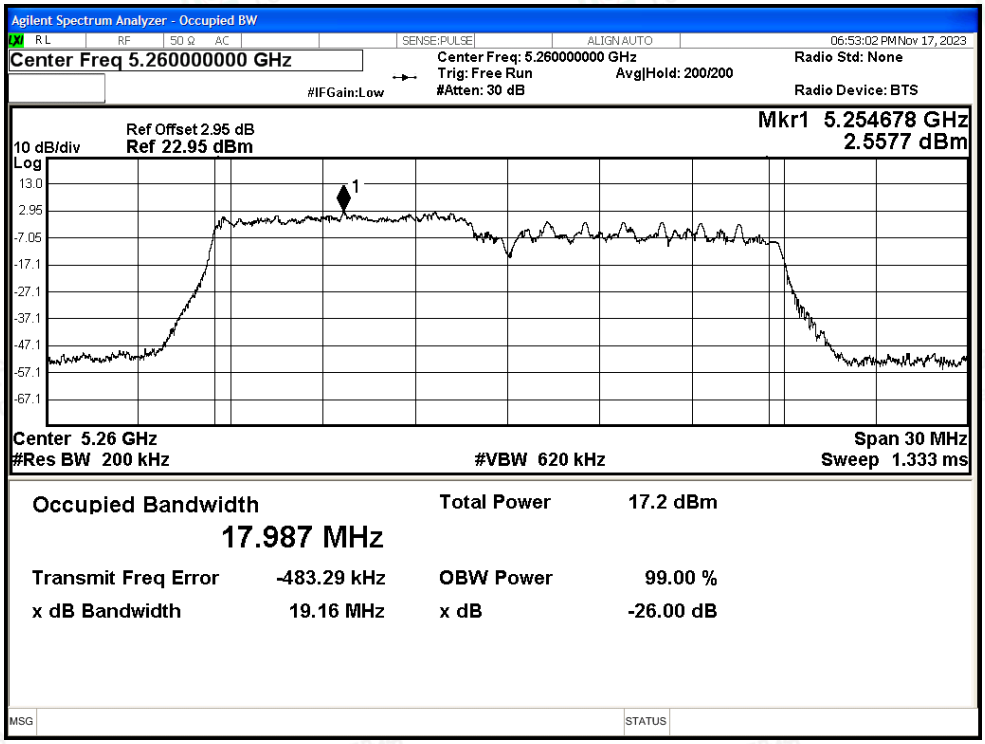
-26dB Bandwidth NVNT ax80 5290MHz Ant0



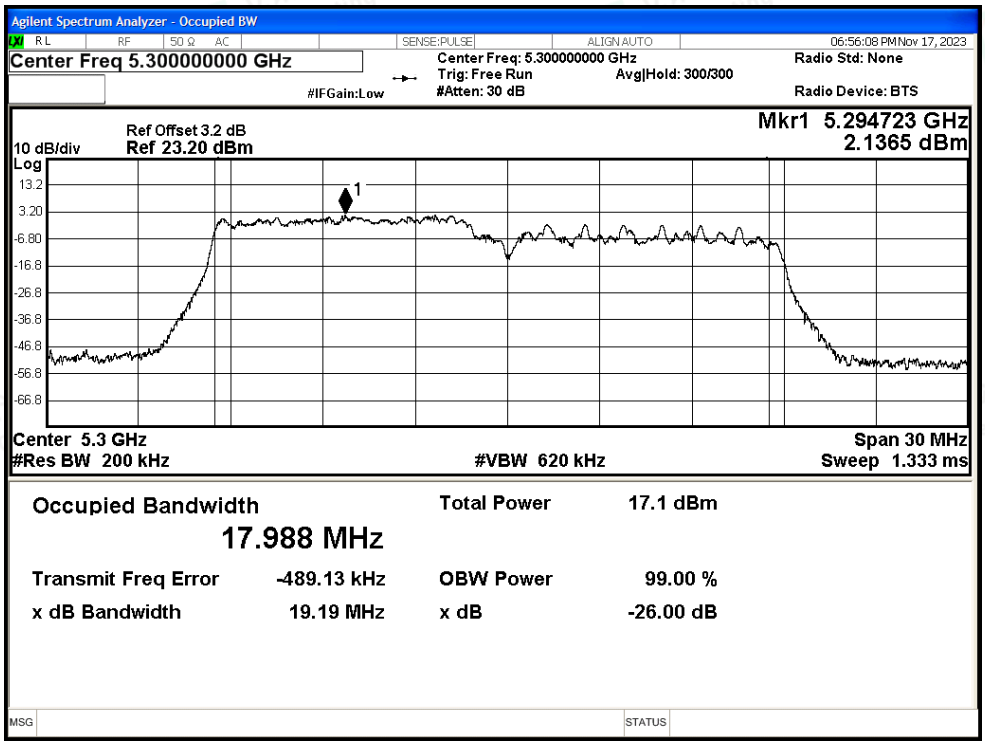
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant1	19.16
NVNT	ax20	5300	Ant1	19.19
NVNT	ax20	5320	Ant1	19.17
NVNT	ax40	5270	Ant1	19.09
NVNT	ax40	5310	Ant1	19.08
NVNT	ax80	5290	Ant1	19.47

Test Graphs

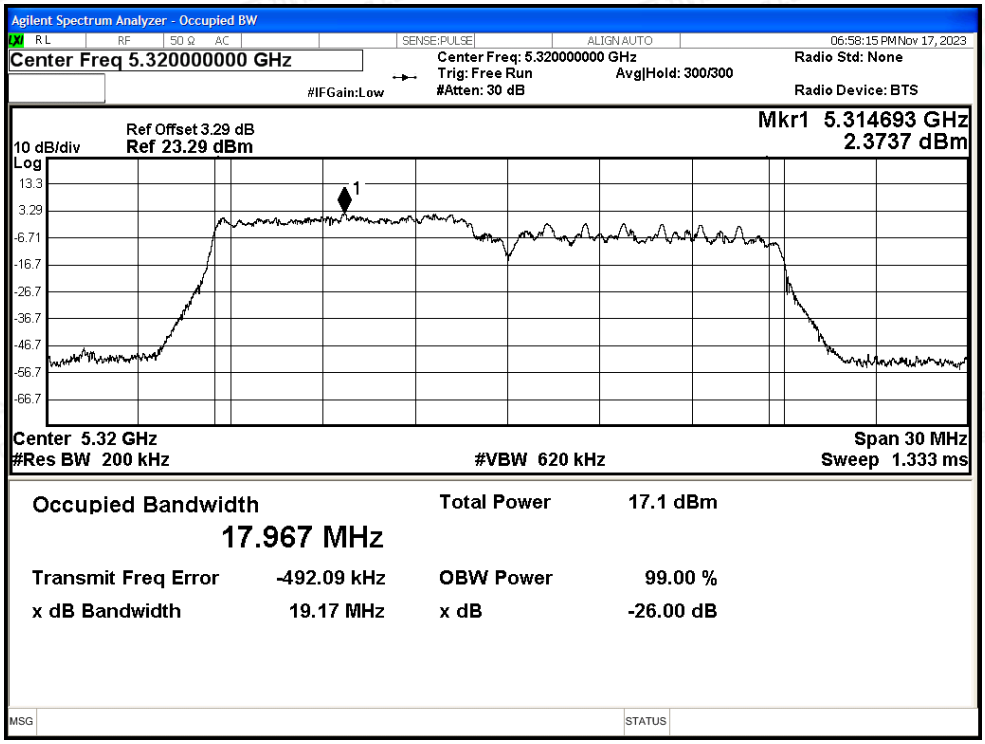
-26dB Bandwidth NVNT ax20 5260MHz Ant1



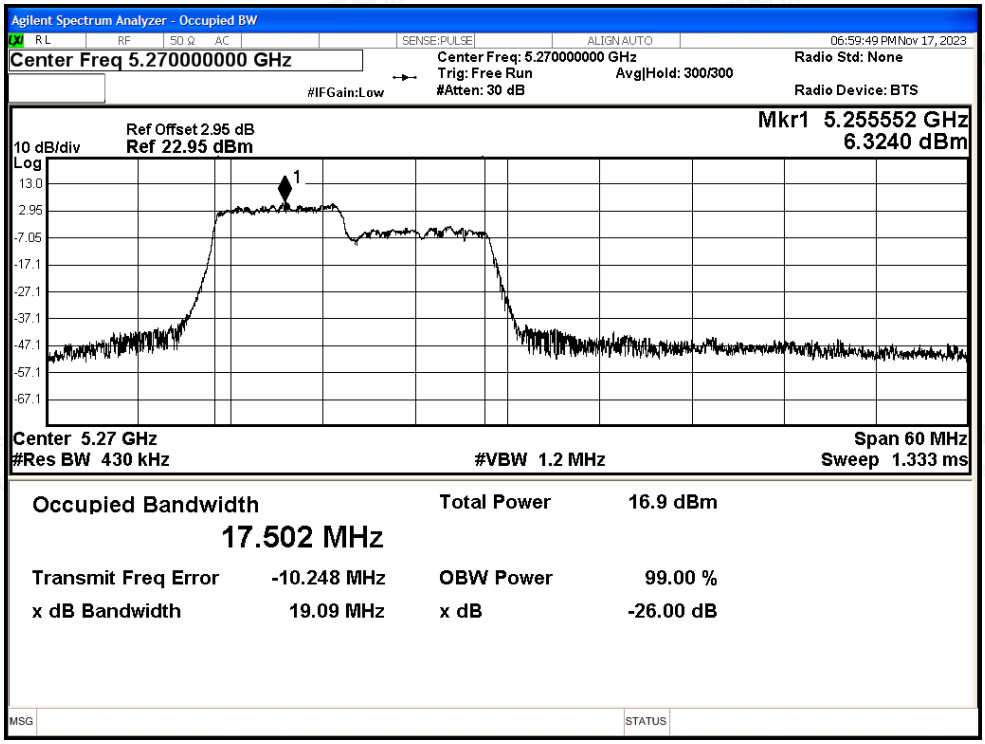
-26dB Bandwidth NVNT ax20 5300MHz Ant1



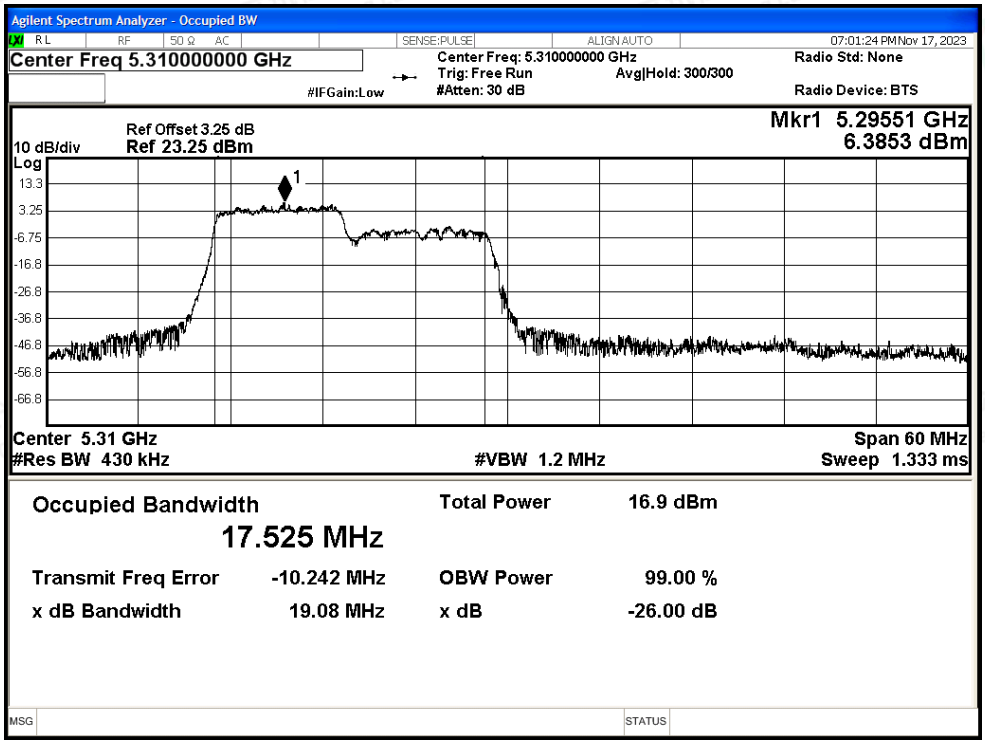
-26dB Bandwidth NVNT ax20 5320MHz Ant1



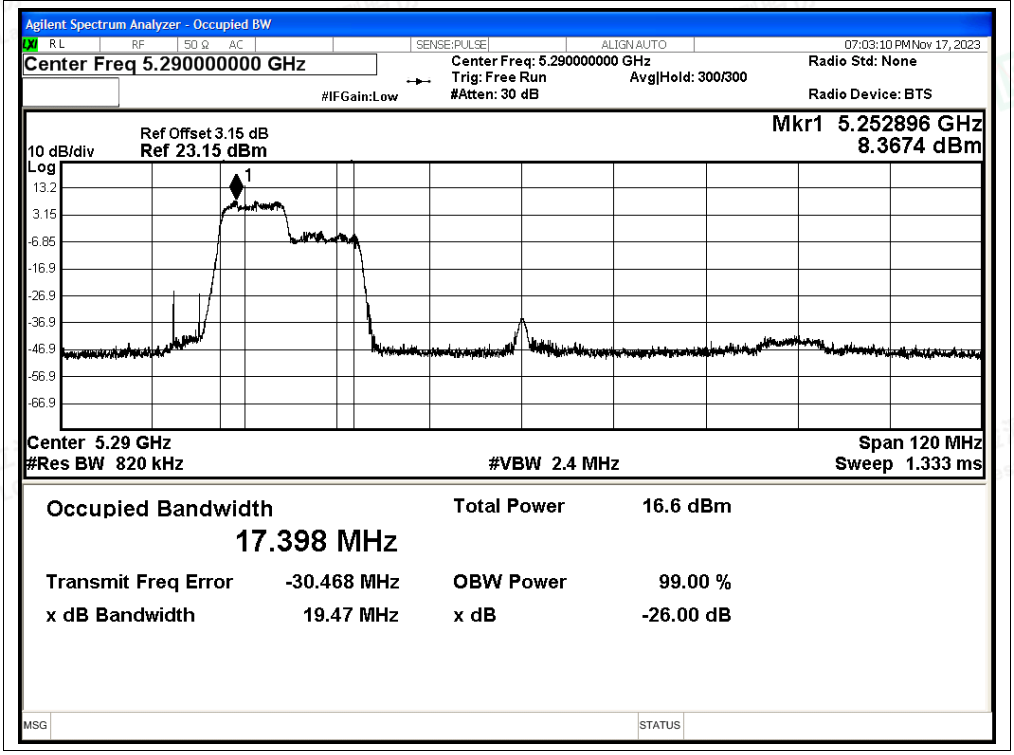
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

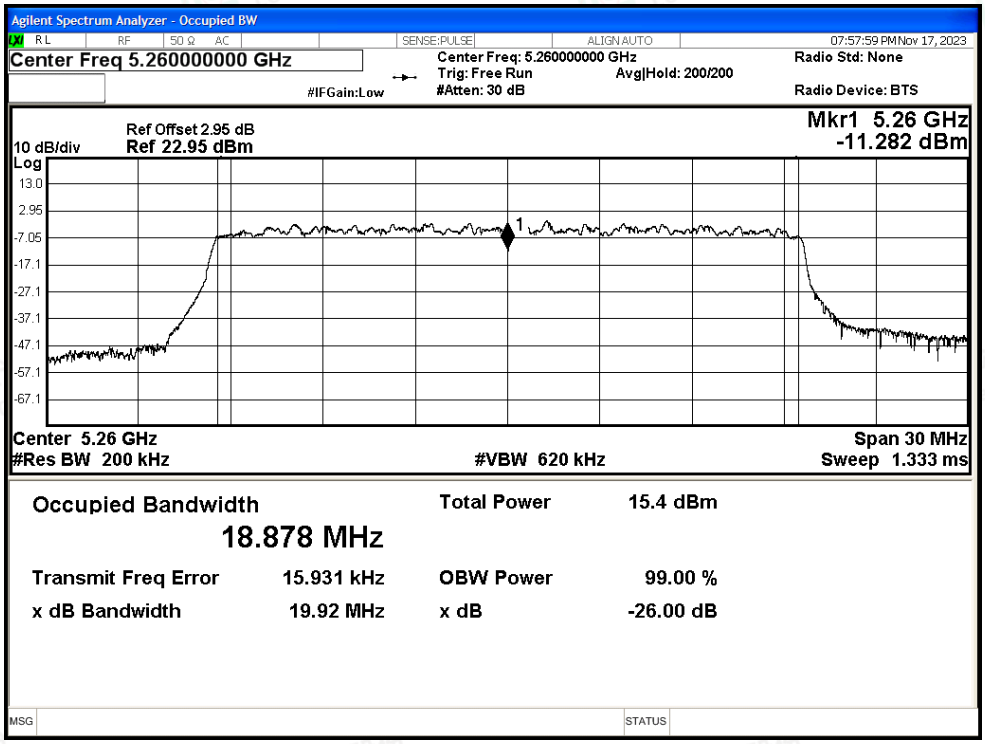


802.11ax OFDMA-(242 Tone)

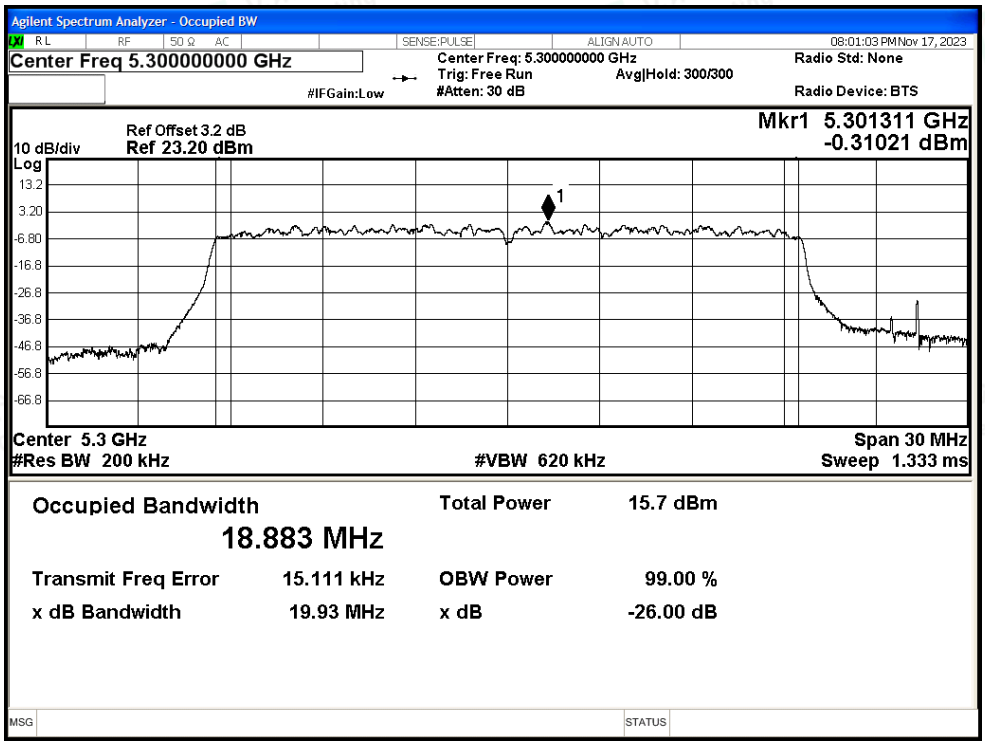
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant0	19.92
NVNT	ax20	5300	Ant0	19.93
NVNT	ax20	5320	Ant0	19.94
NVNT	ax40	5270	Ant0	20.41
NVNT	ax40	5310	Ant0	20.37
NVNT	ax80	5290	Ant0	21.05

Test Graphs

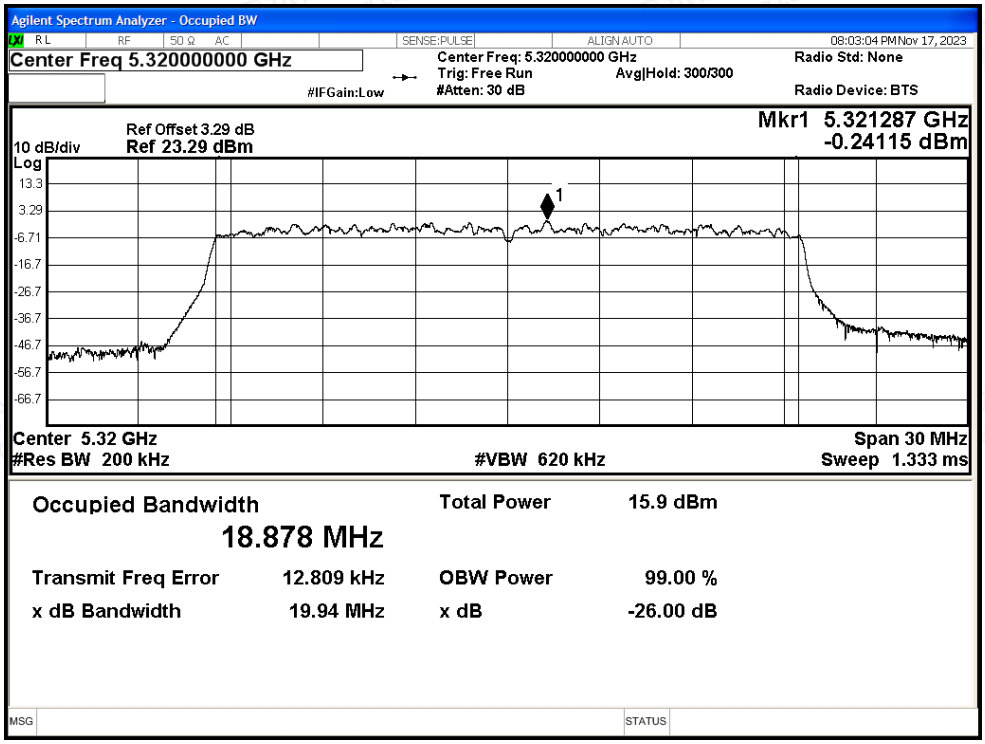
-26dB Bandwidth NVNT ax20 5260MHz Ant0



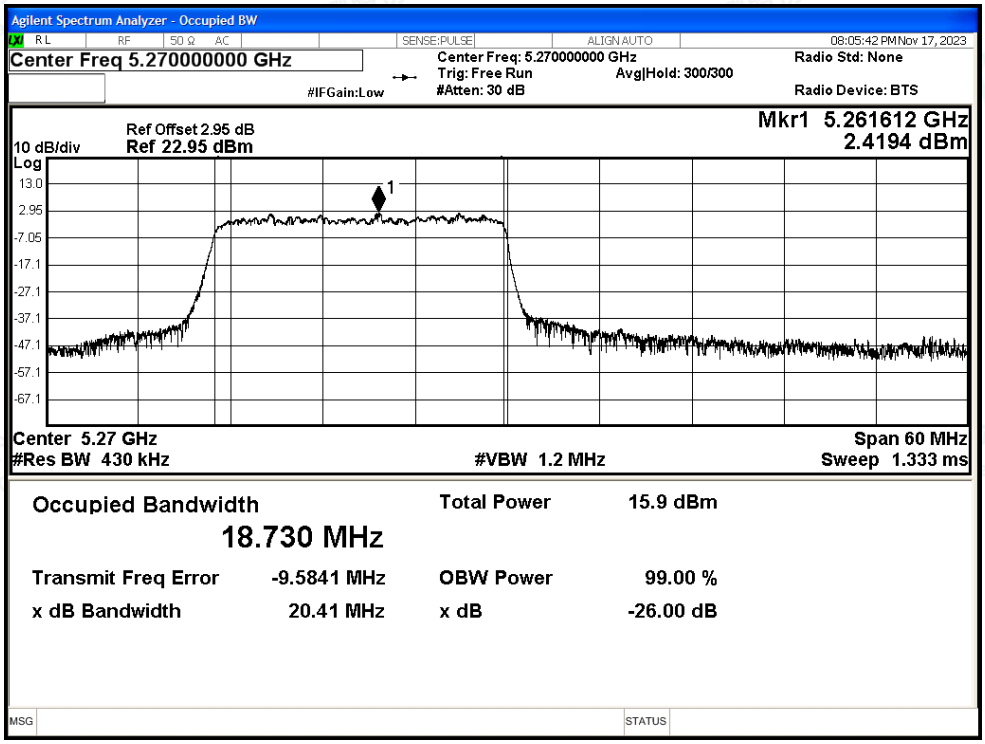
-26dB Bandwidth NVNT ax20 5300MHz Ant0



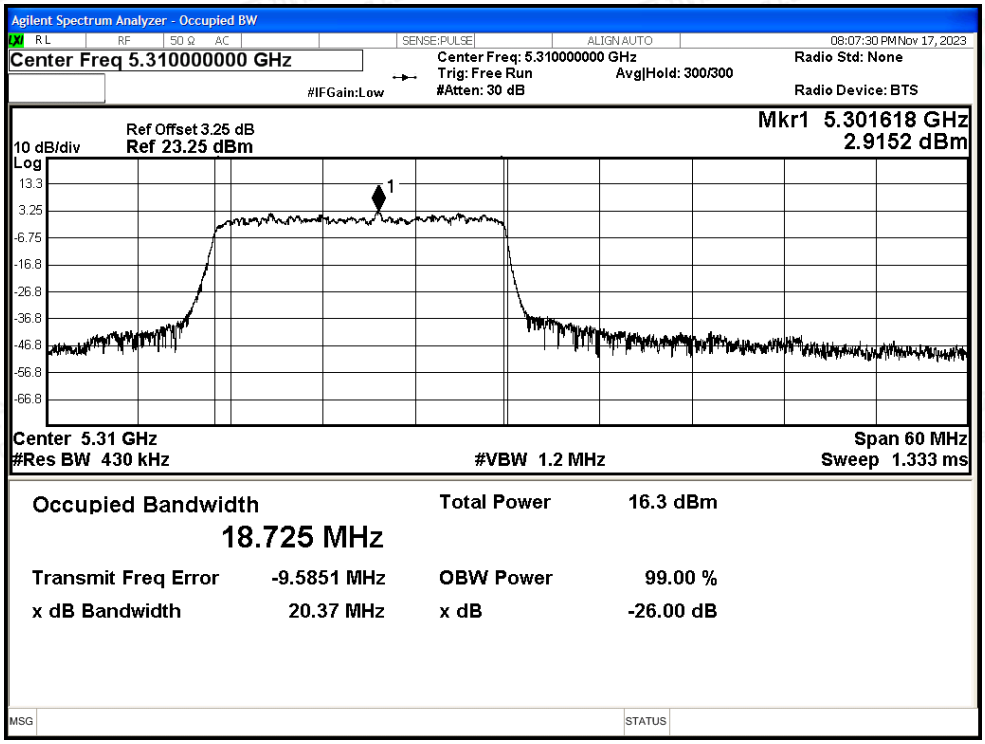
-26dB Bandwidth NVNT ax20 5320MHz Ant0



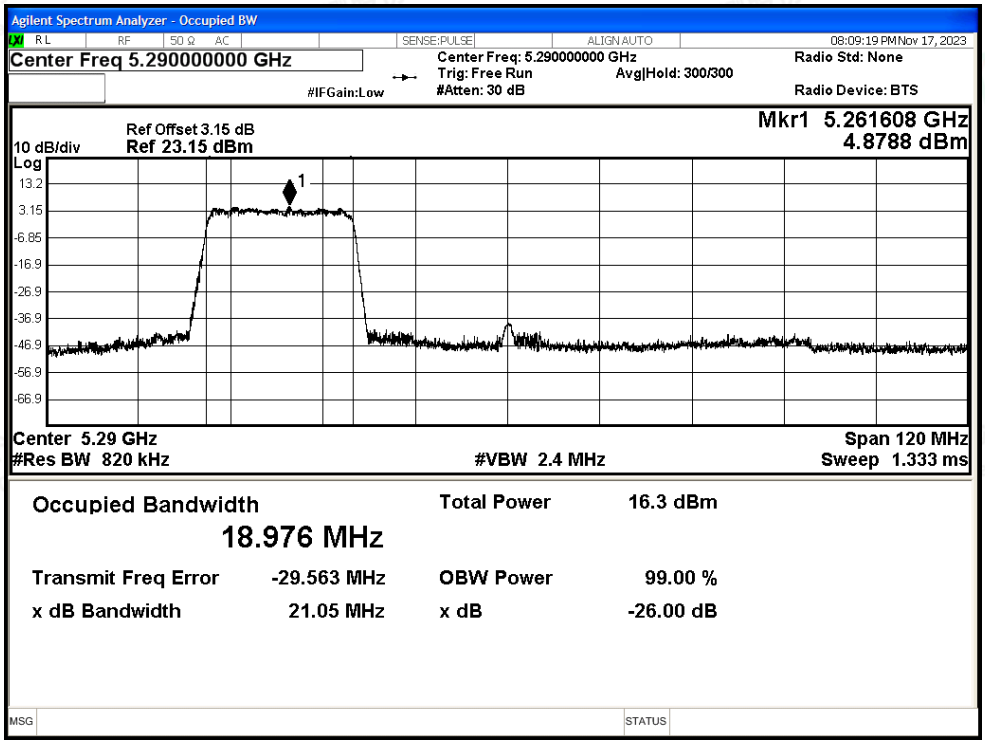
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



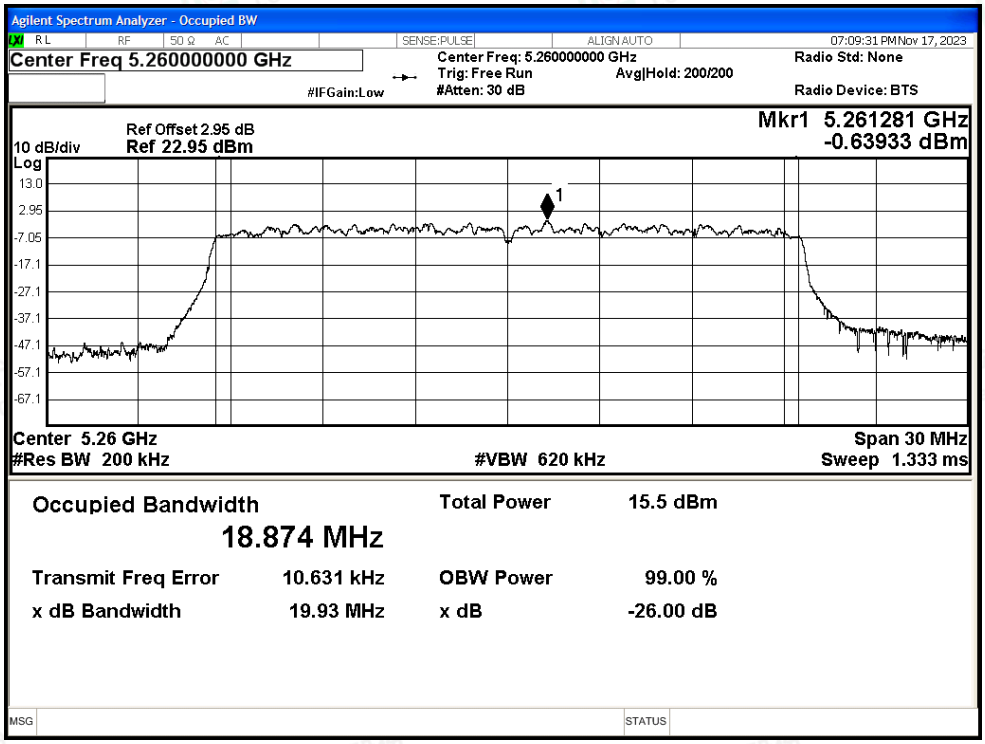
-26dB Bandwidth NVNT ax80 5290MHz Ant0



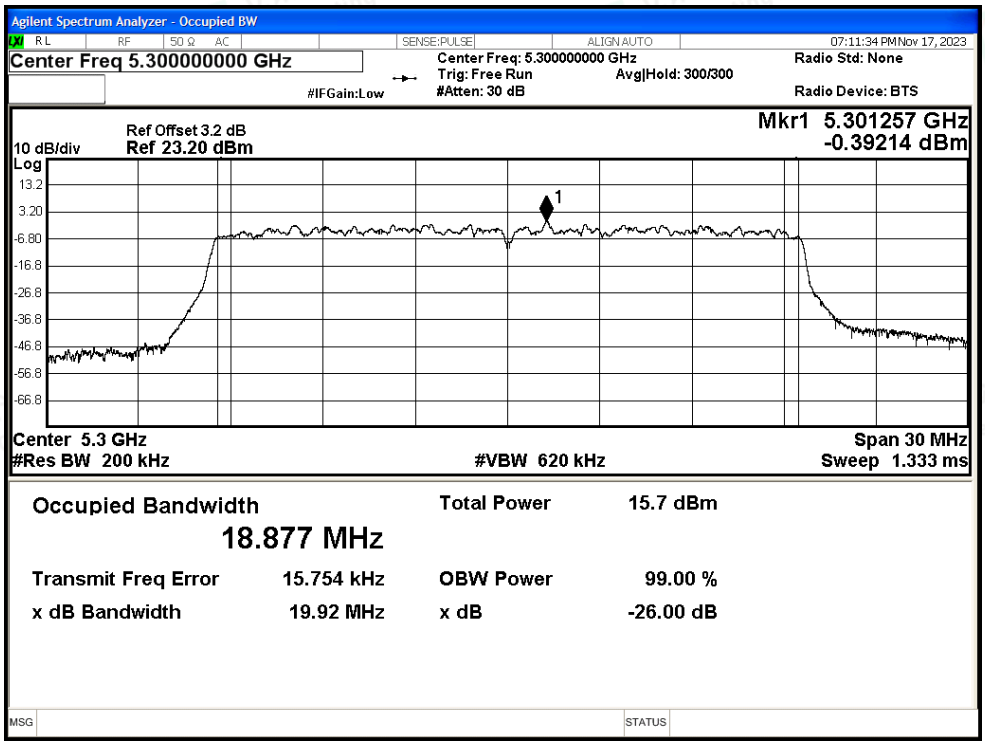
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax20	5260	Ant1	19.93
NVNT	ax20	5300	Ant1	19.92
NVNT	ax20	5320	Ant1	19.94
NVNT	ax40	5270	Ant1	20.40
NVNT	ax40	5310	Ant1	20.36
NVNT	ax80	5290	Ant1	21.14

Test Graphs

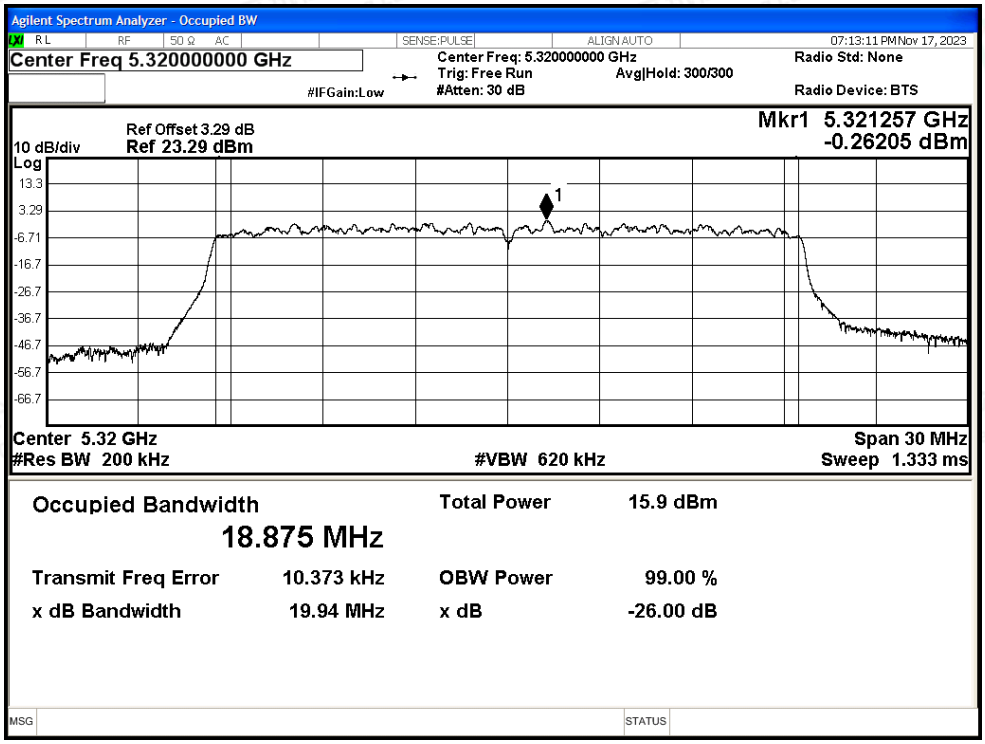
-26dB Bandwidth NVNT ax20 5260MHz Ant1



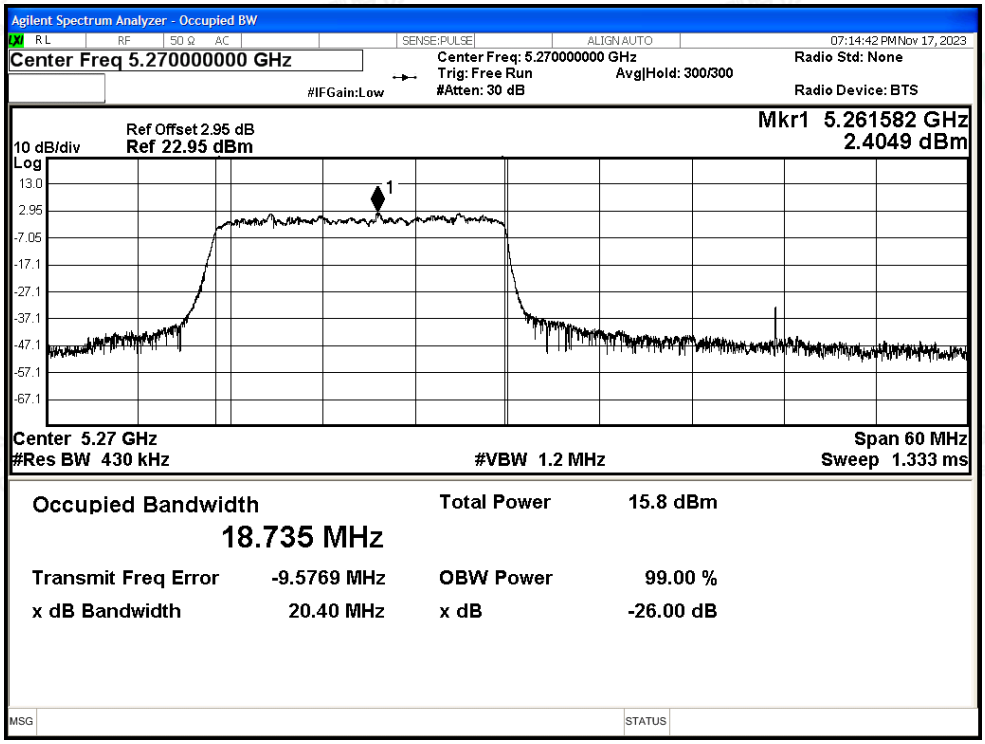
-26dB Bandwidth NVNT ax20 5300MHz Ant1



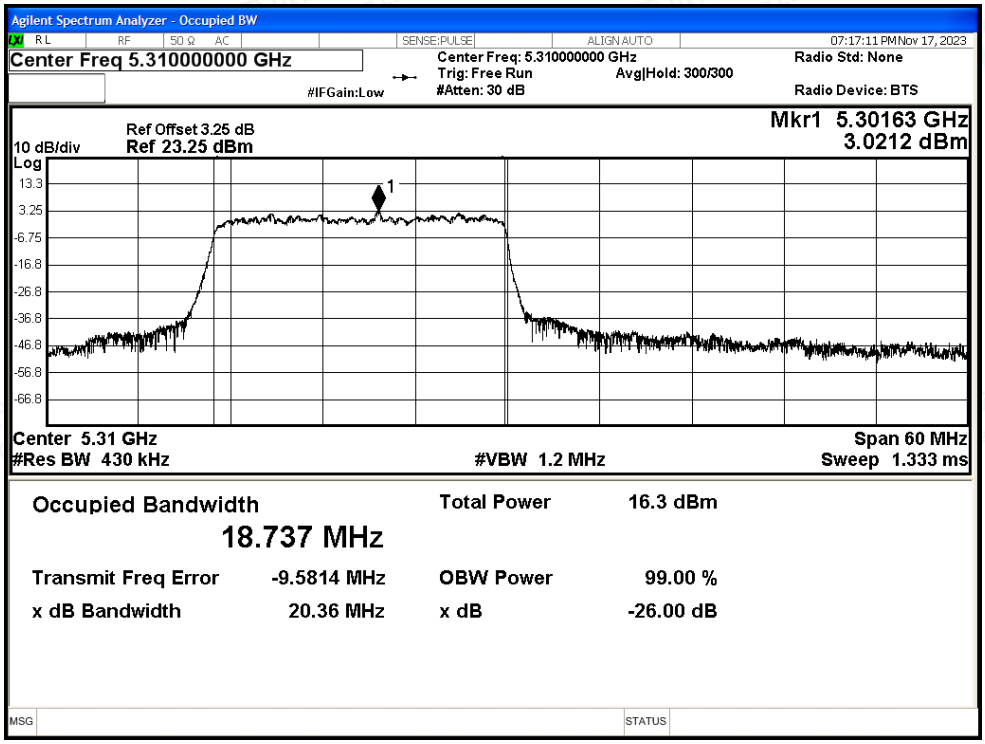
-26dB Bandwidth NVNT ax20 5320MHz Ant1



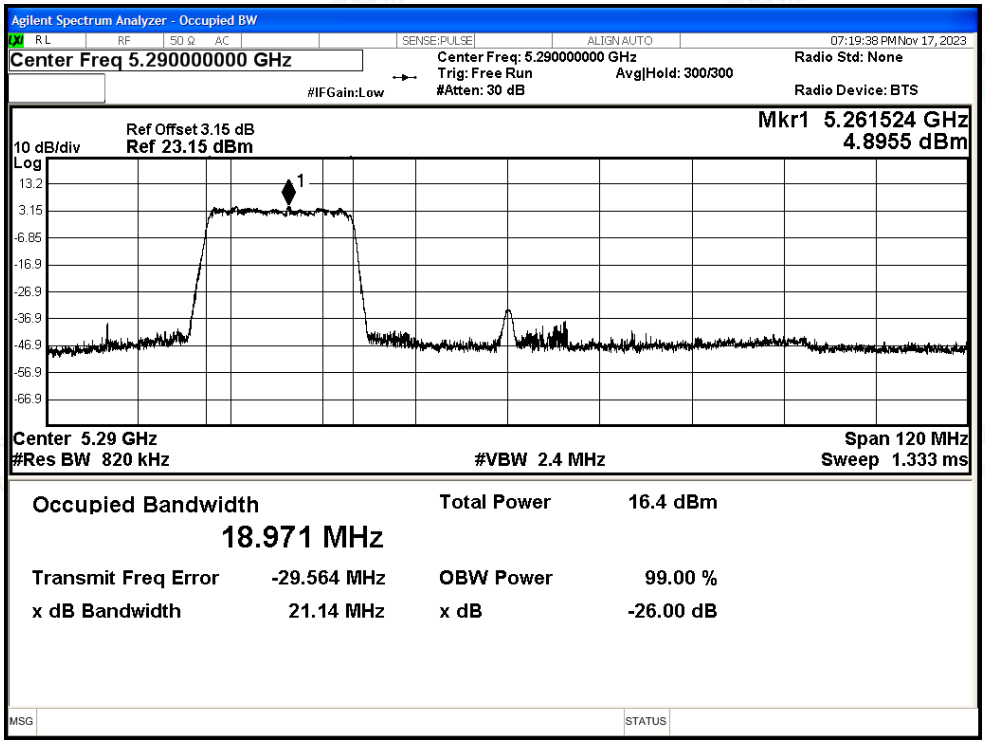
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

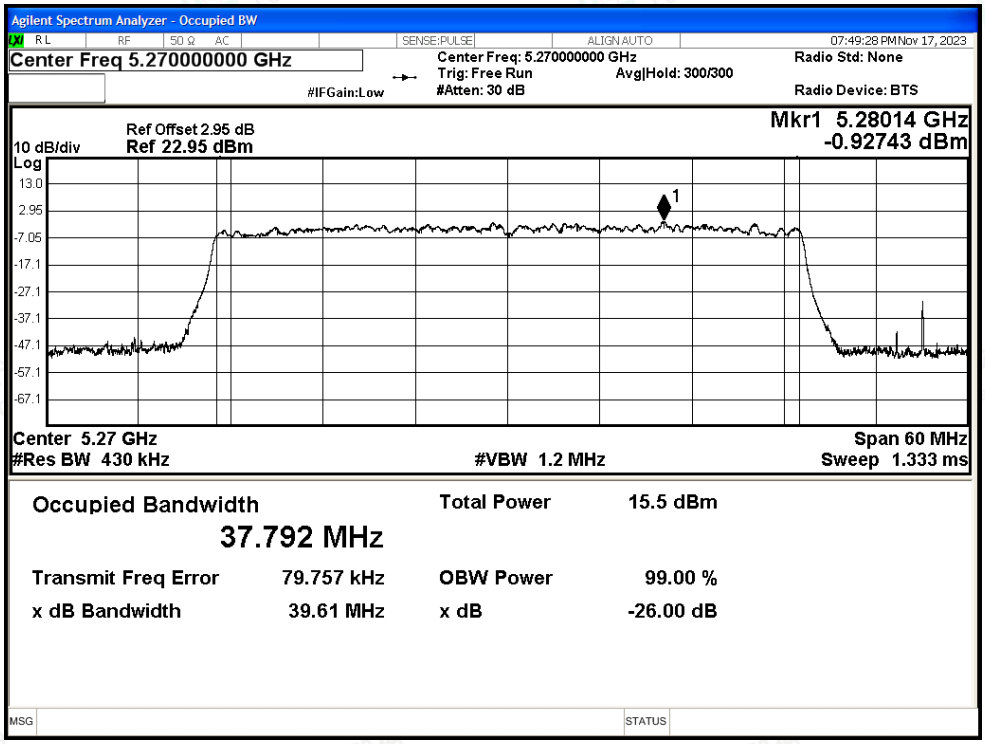


802.11ax OFDMA-(484Tone)

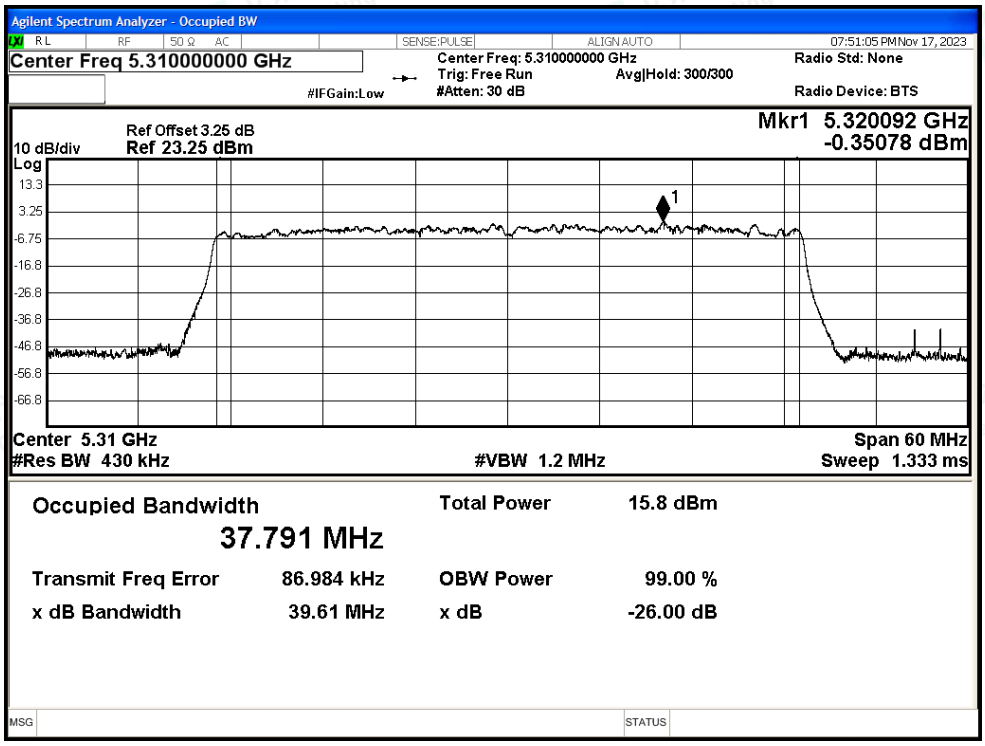
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax40	5270	Ant0	39.61
NVNT	ax40	5310	Ant0	39.61
NVNT	ax80	5290	Ant0	39.81

Test Graphs

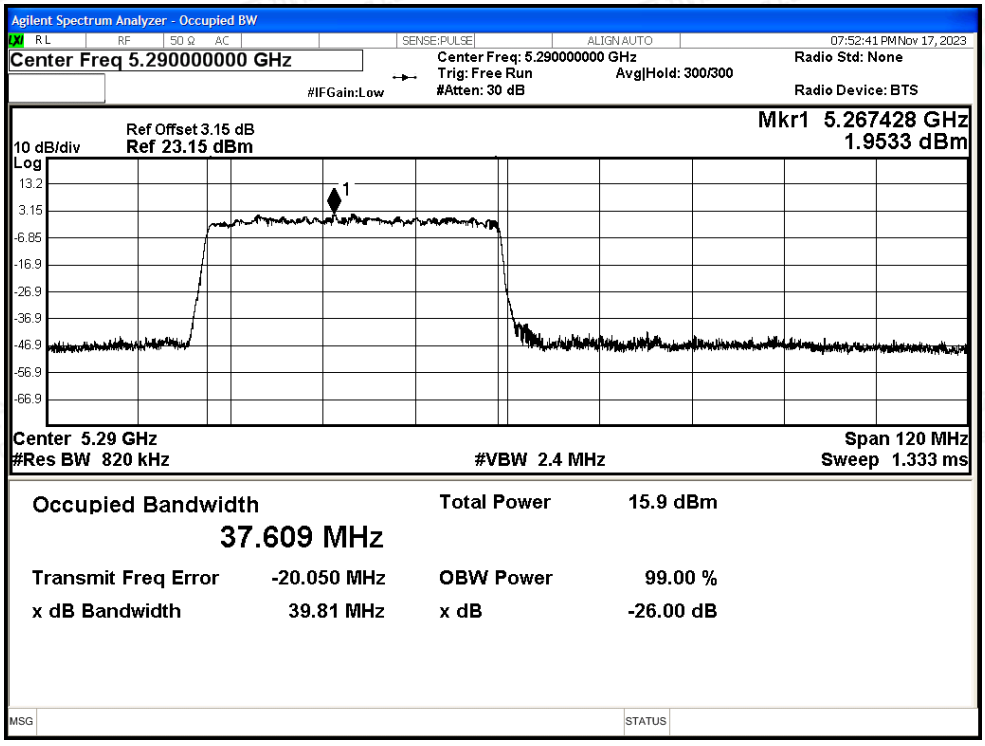
-26dB Bandwidth NVNT ax40 5270MHz Ant0



-26dB Bandwidth NVNT ax40 5310MHz Ant0



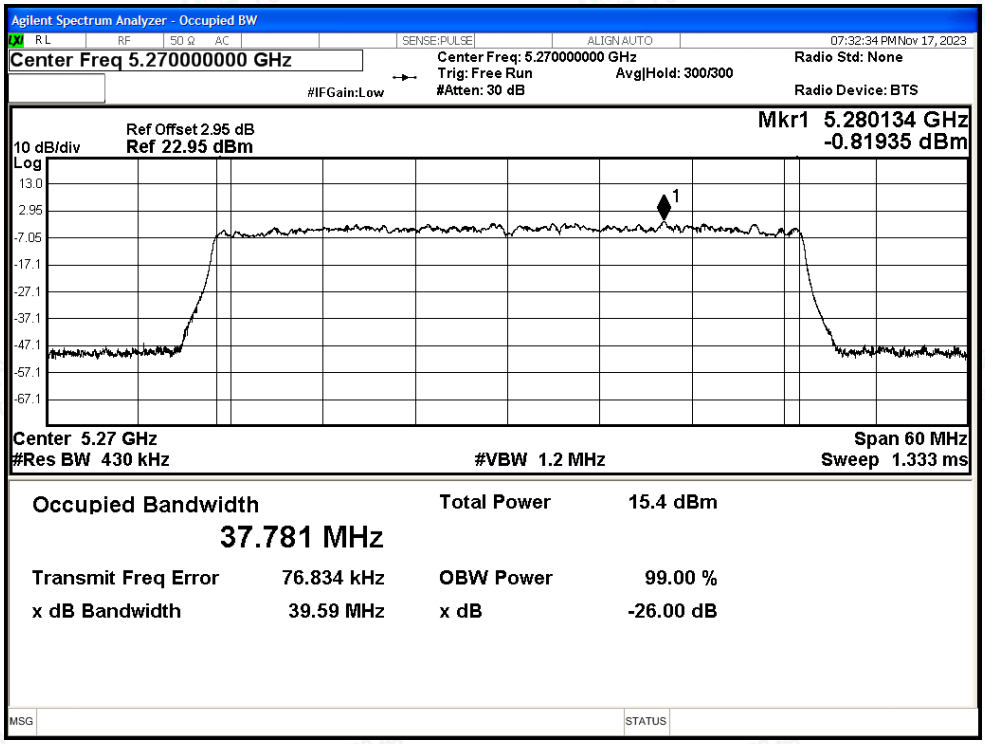
-26dB Bandwidth NVNT ax80 5290MHz Ant0



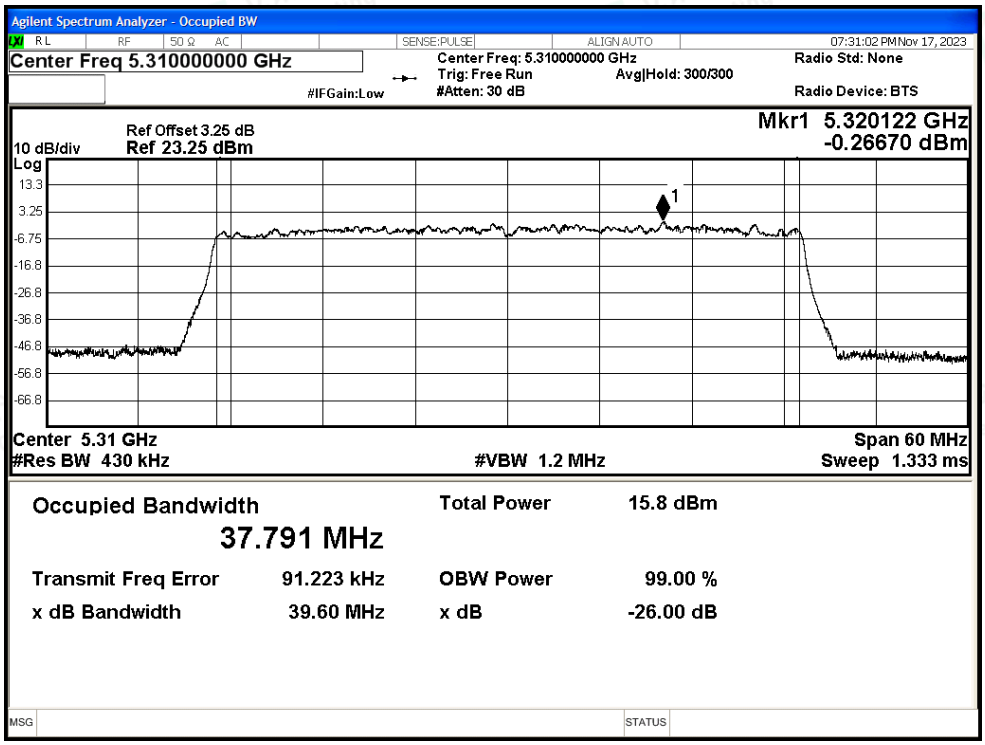
Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax40	5270	Ant1	39.59
NVNT	ax40	5310	Ant1	39.60
NVNT	ax80	5290	Ant1	39.88

Test Graphs

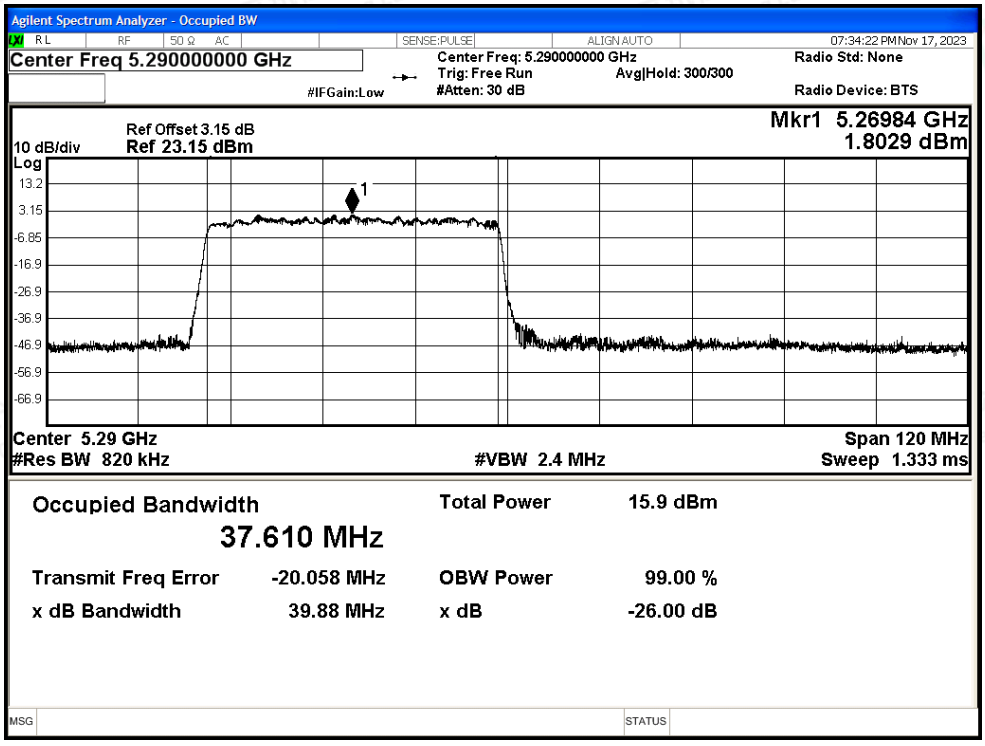
-26dB Bandwidth NVNT ax40 5270MHz Ant1



-26dB Bandwidth NVNT ax40 5310MHz Ant1



-26dB Bandwidth NVNT ax80 5290MHz Ant1

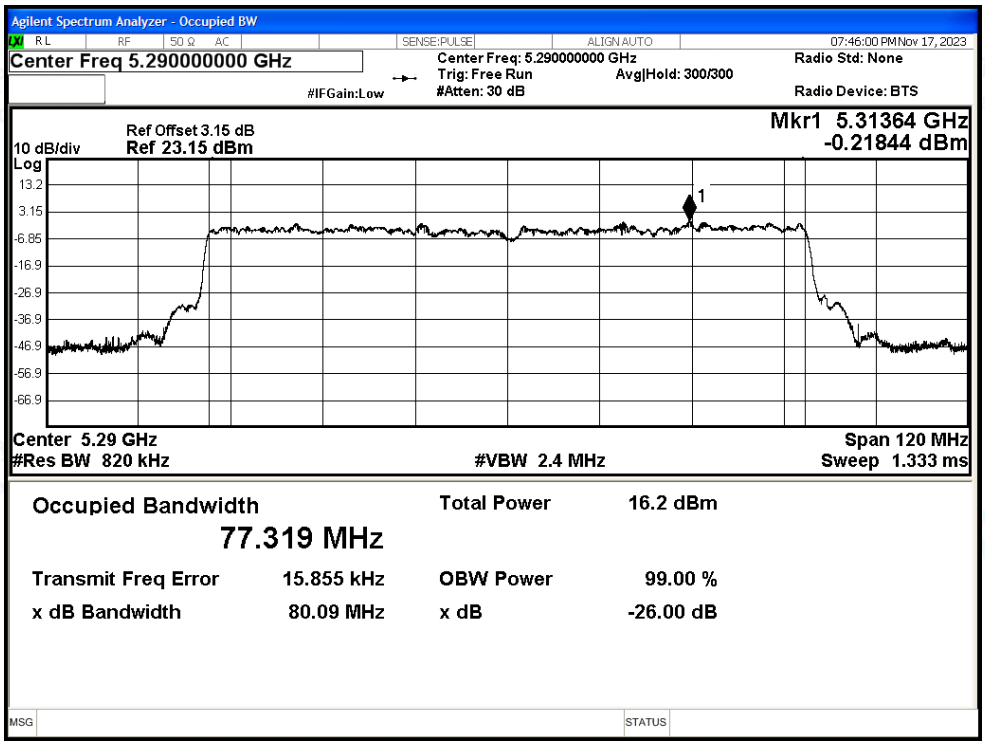


802.11ax OFDMA-(996Tone)

Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax80	5290	Ant0	80.09

Test Graphs

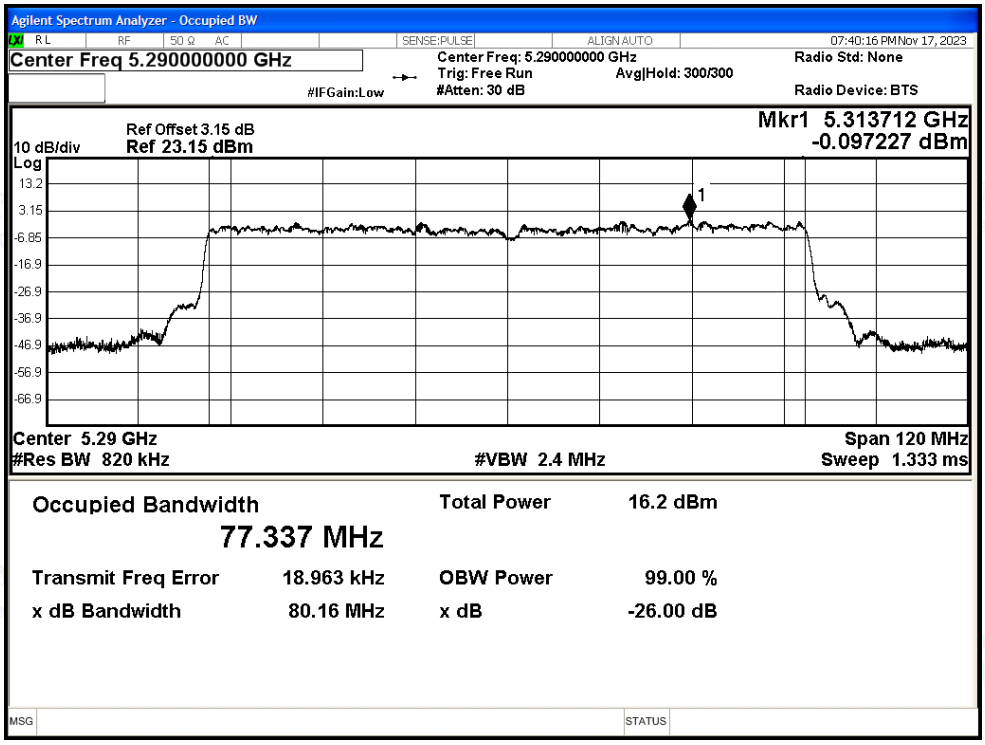
-26dB Bandwidth NVNT ax80 5290MHz Ant0



Condition	Mode	Frequency (MHz)	Antenna	-26dB Bandwidth (MHz)
NVNT	ax80	5290	Ant1	80.16

Test Graphs

-26dB Bandwidth NVNT ax80 5290MHz Ant1

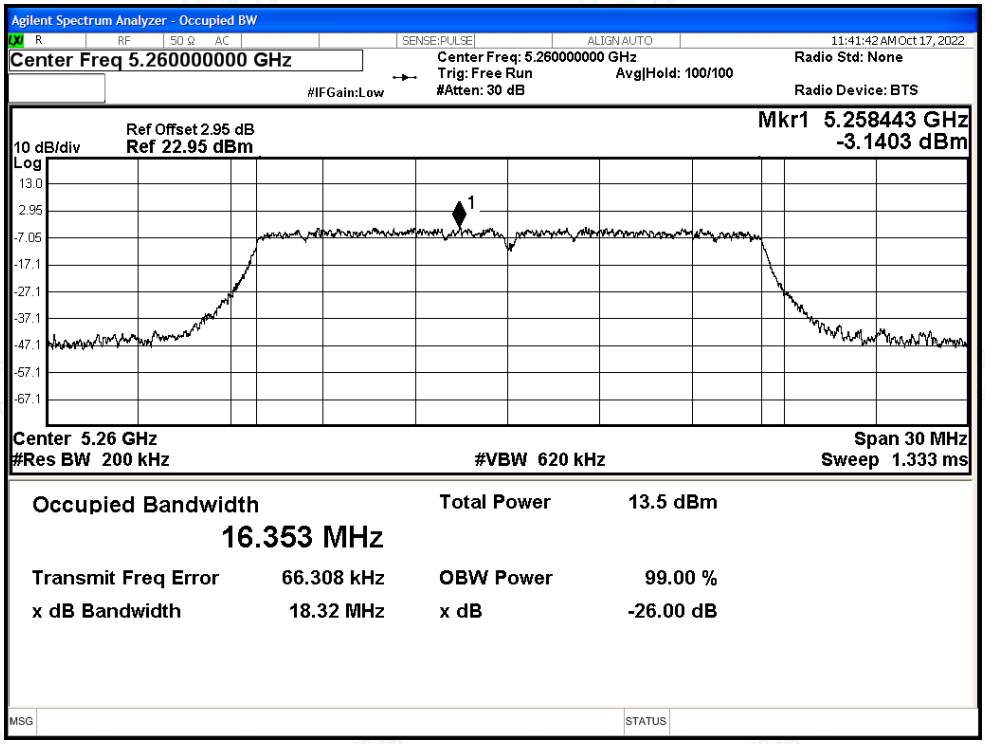


A.2 Occupied Channel Bandwidth

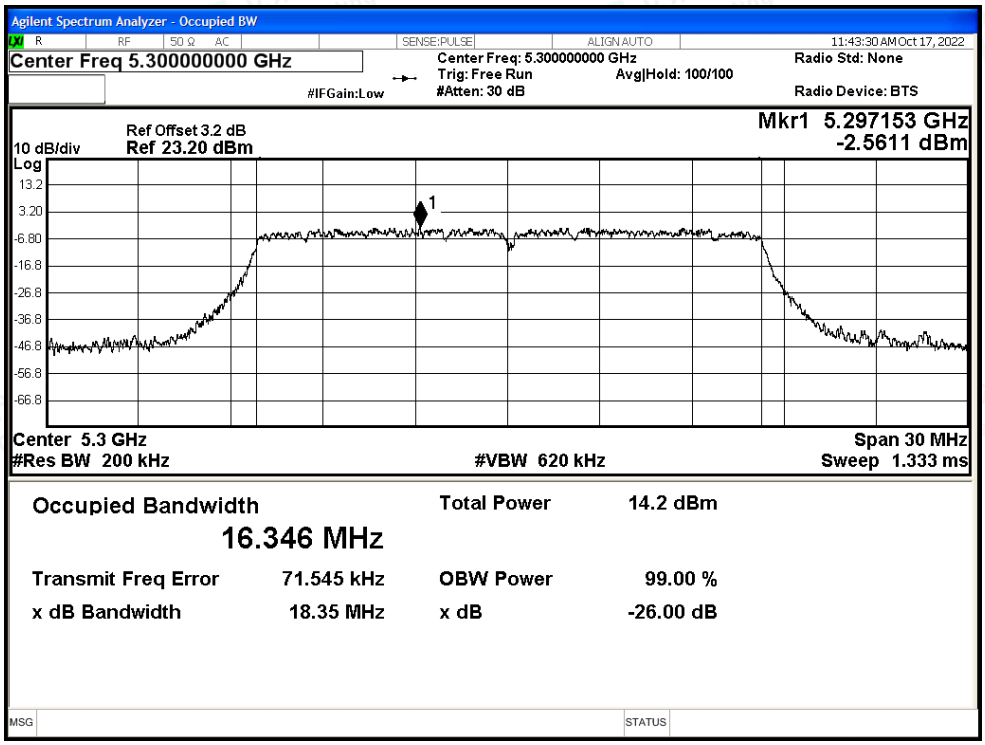
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant0	16.353
NVNT	a	5300	Ant0	16.346
NVNT	a	5320	Ant0	16.349
NVNT	n20	5260	Ant0	16.345
NVNT	n20	5300	Ant0	16.346
NVNT	n20	5320	Ant0	16.351
NVNT	n40	5270	Ant0	36.062
NVNT	n40	5310	Ant0	36.02
NVNT	ac20	5260	Ant0	16.358
NVNT	ac20	5300	Ant0	16.341
NVNT	ac20	5320	Ant0	16.351
NVNT	ac40	5270	Ant0	36.066
NVNT	ac40	5310	Ant0	36.068
NVNT	ac80	5290	Ant0	76.216
NVNT	ax20	5260	Ant0	18.892
NVNT	ax20	5300	Ant0	18.869
NVNT	ax20	5320	Ant0	18.877
NVNT	ax40	5270	Ant0	37.723
NVNT	ax40	5310	Ant0	37.681
NVNT	ax80	5290	Ant0	77.311

Test Graphs

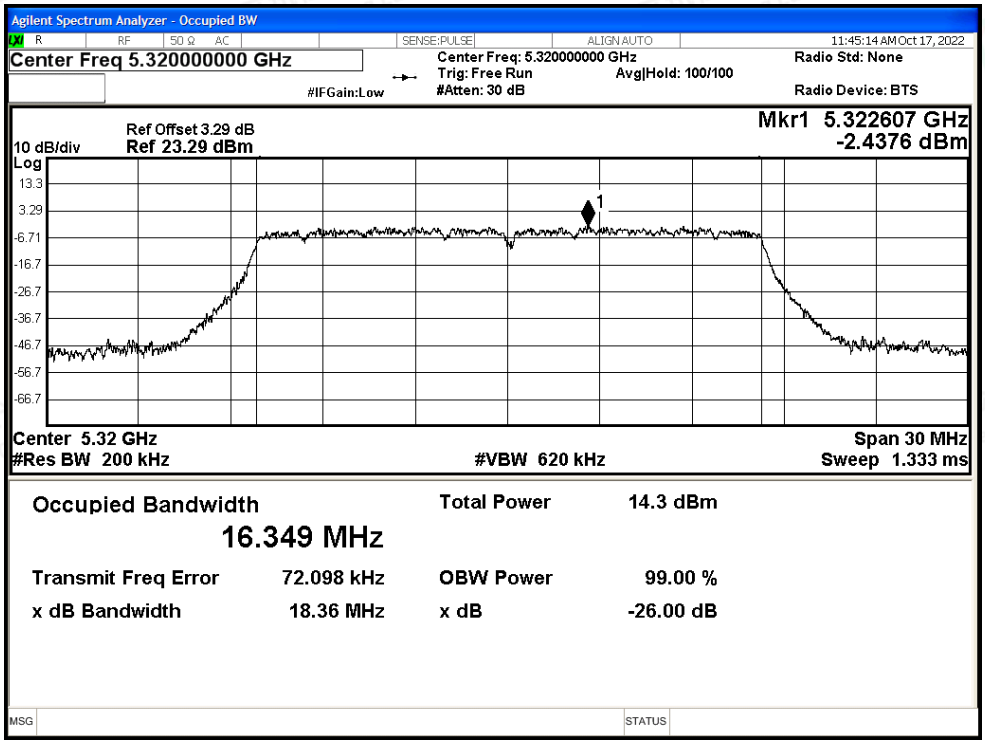
OBW NVNT a 5260MHz Ant0



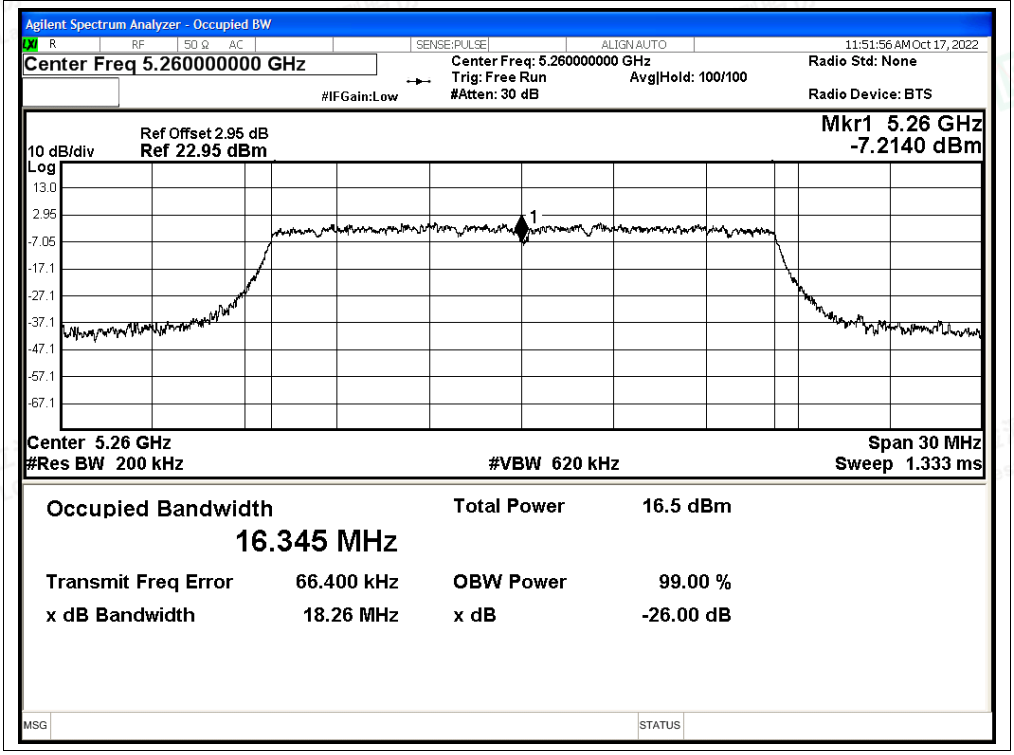
OBW NVNT a 5300MHz Ant0



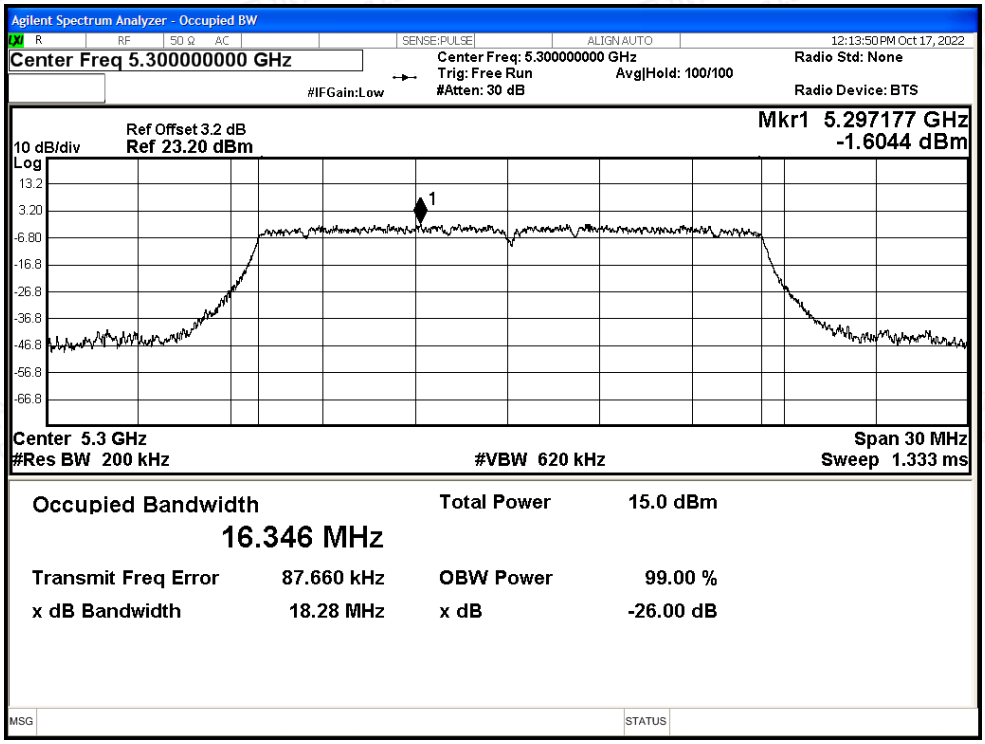
OBW NVNT a 5320MHz Ant0



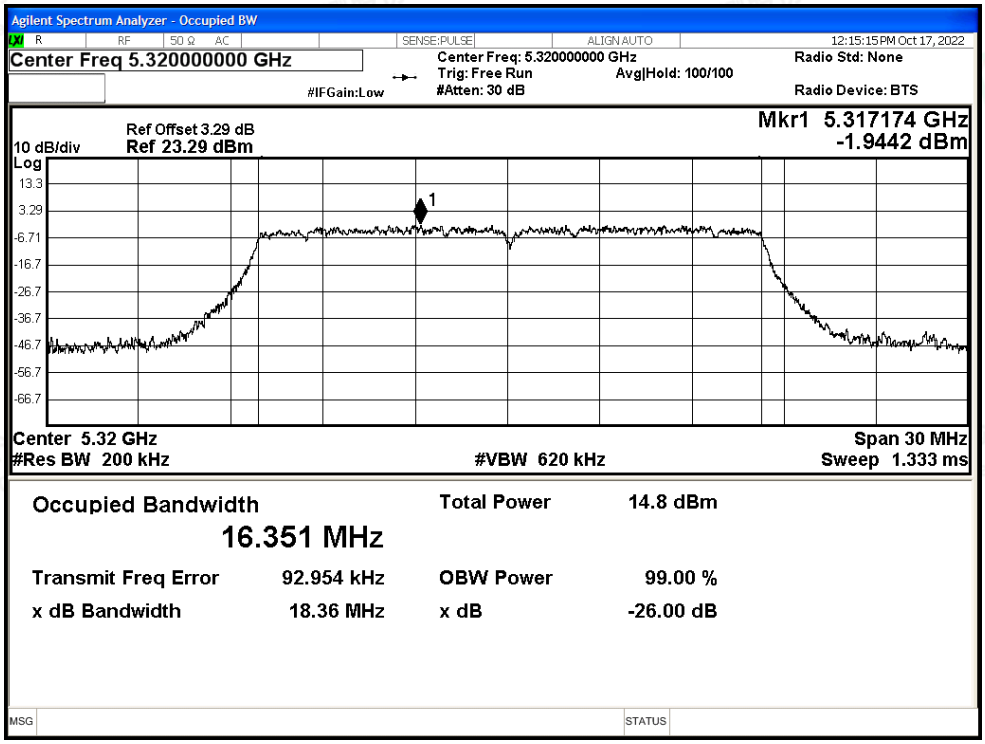
OBW NVNT n20 5260MHz Ant0



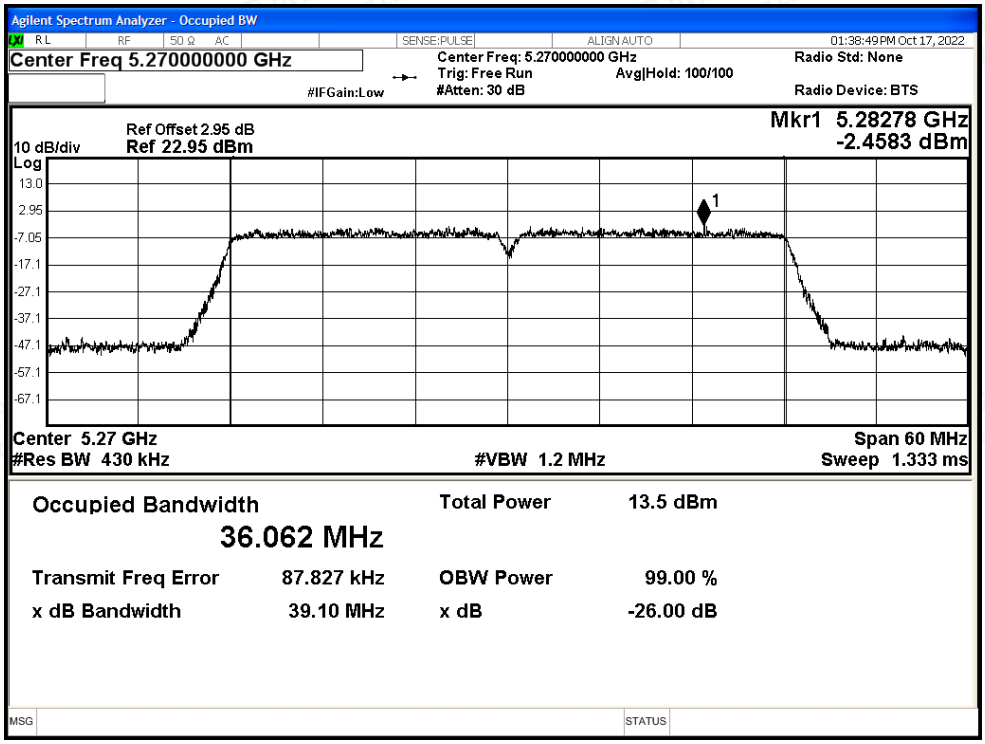
OBW NVNT n20 5300MHz Ant0



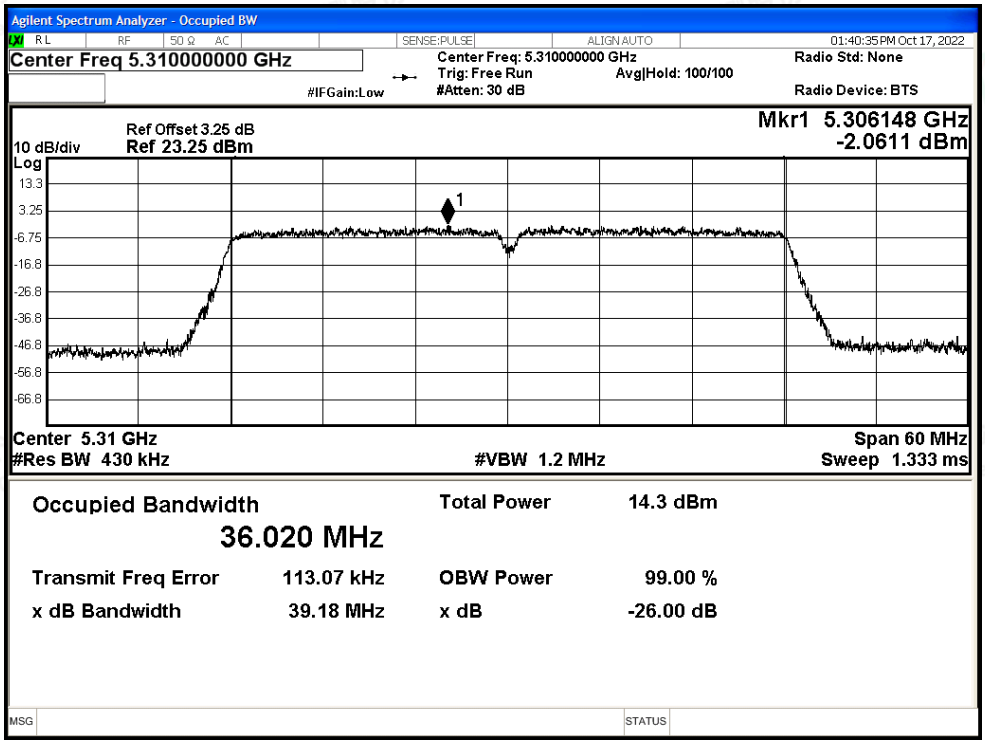
OBW NVNT n20 5320MHz Ant0



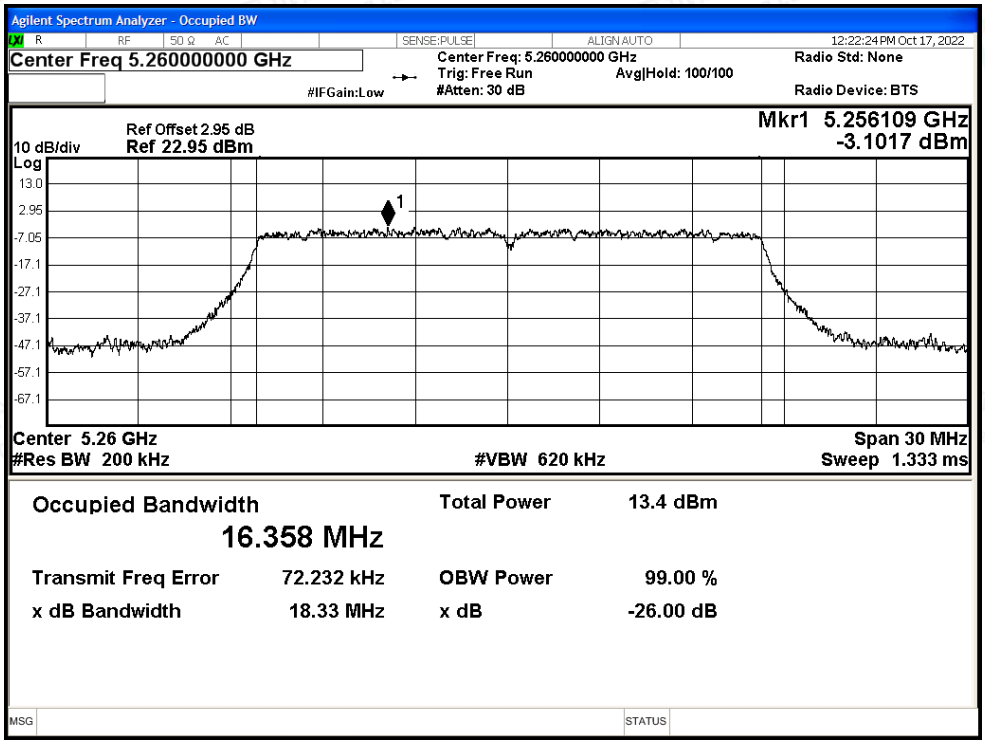
OBW NVNT n40 5270MHz Ant0



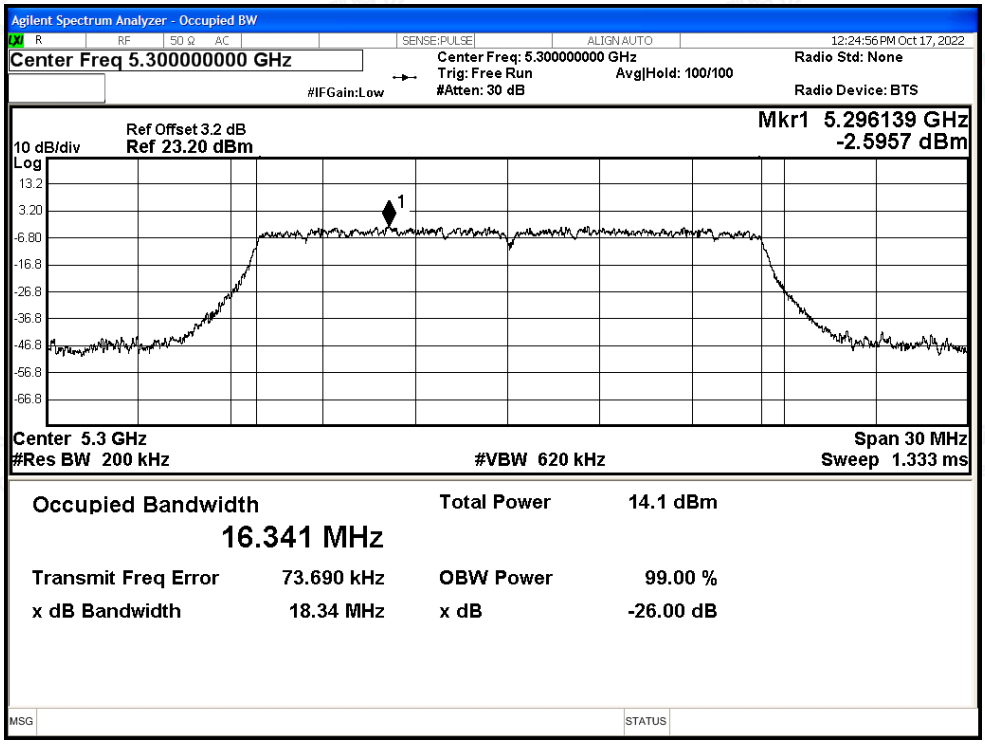
OBW NVNT n40 5310MHz Ant0



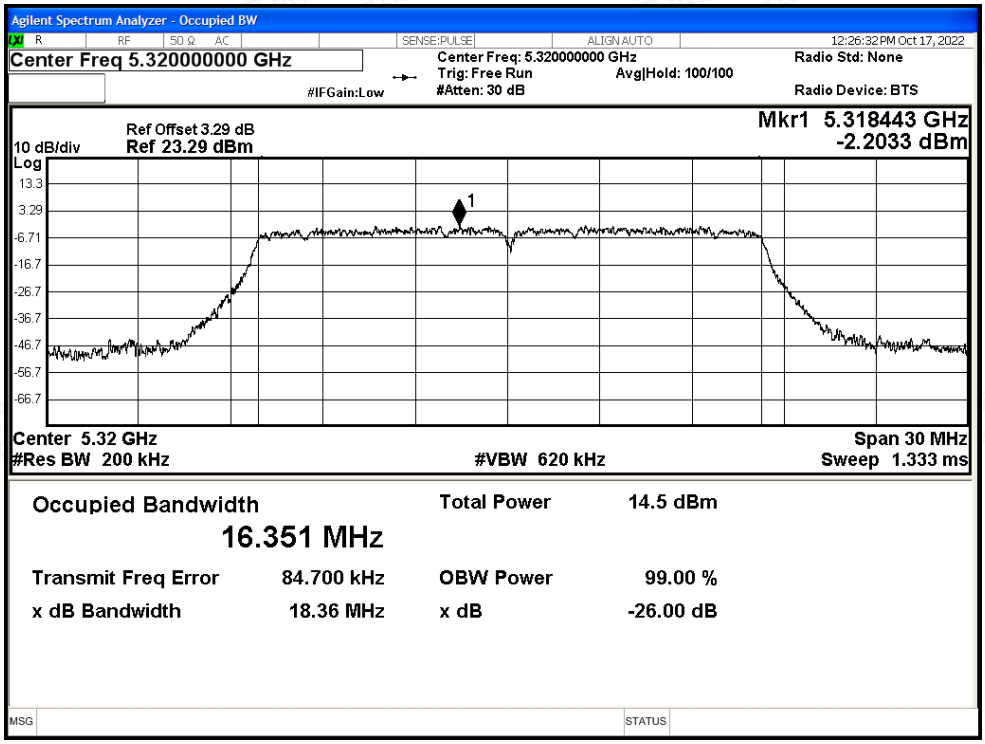
OBW NVNT ac20 5260MHz Ant0



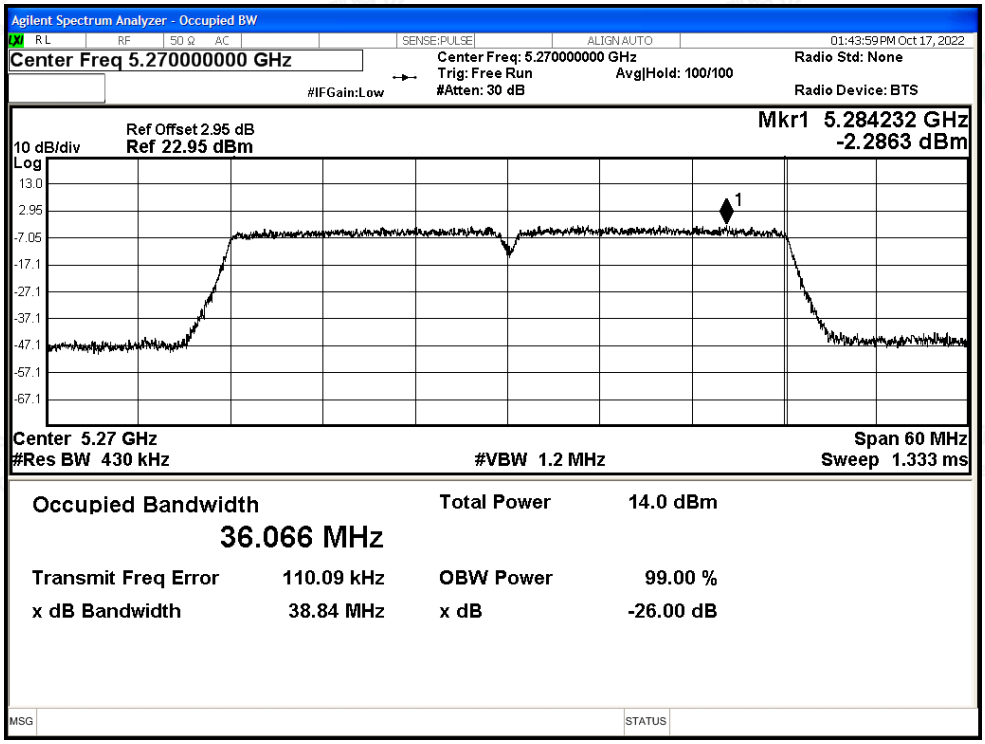
OBW NVNT ac20 5300MHz Ant0



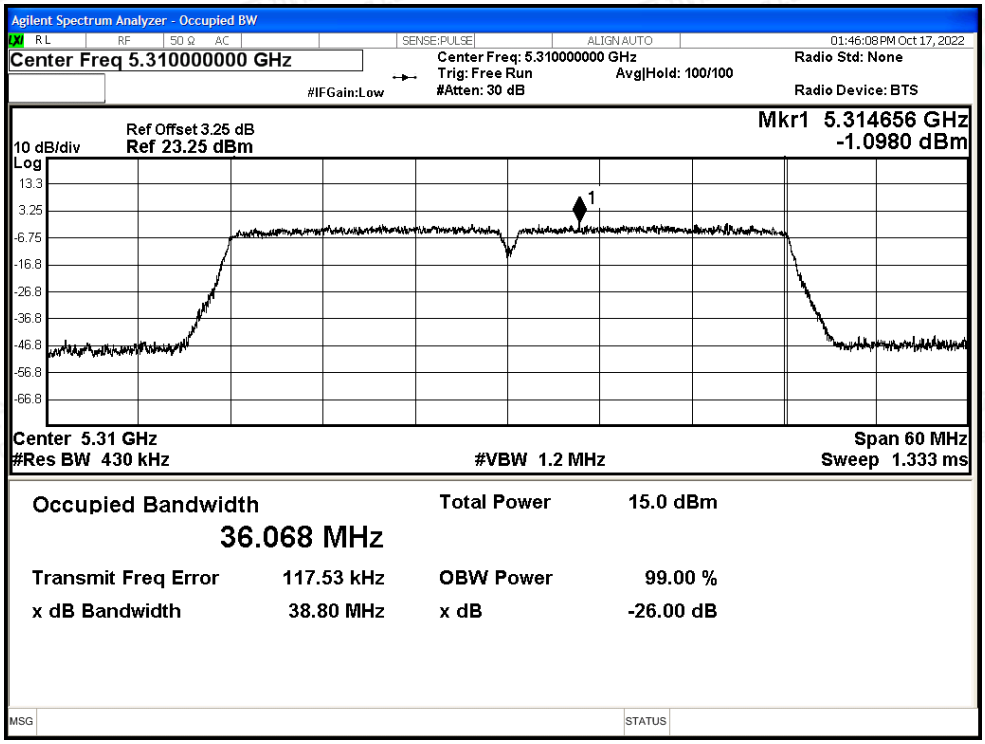
OBW NVNT ac20 5320MHz Ant0



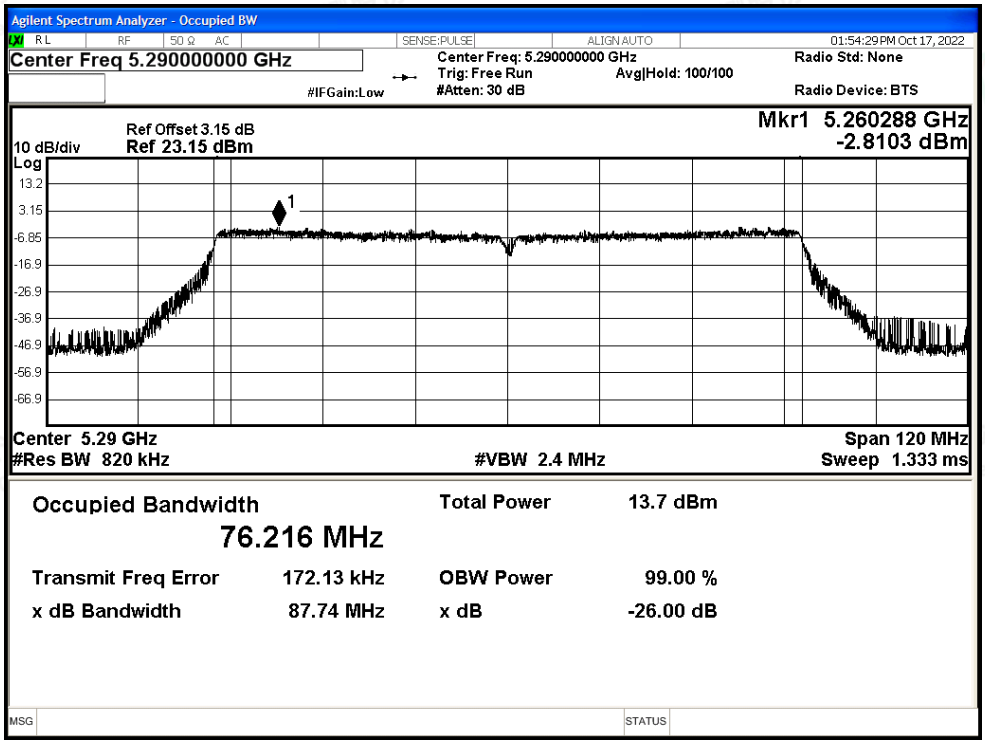
OBW NVNT ac40 5270MHz Ant0



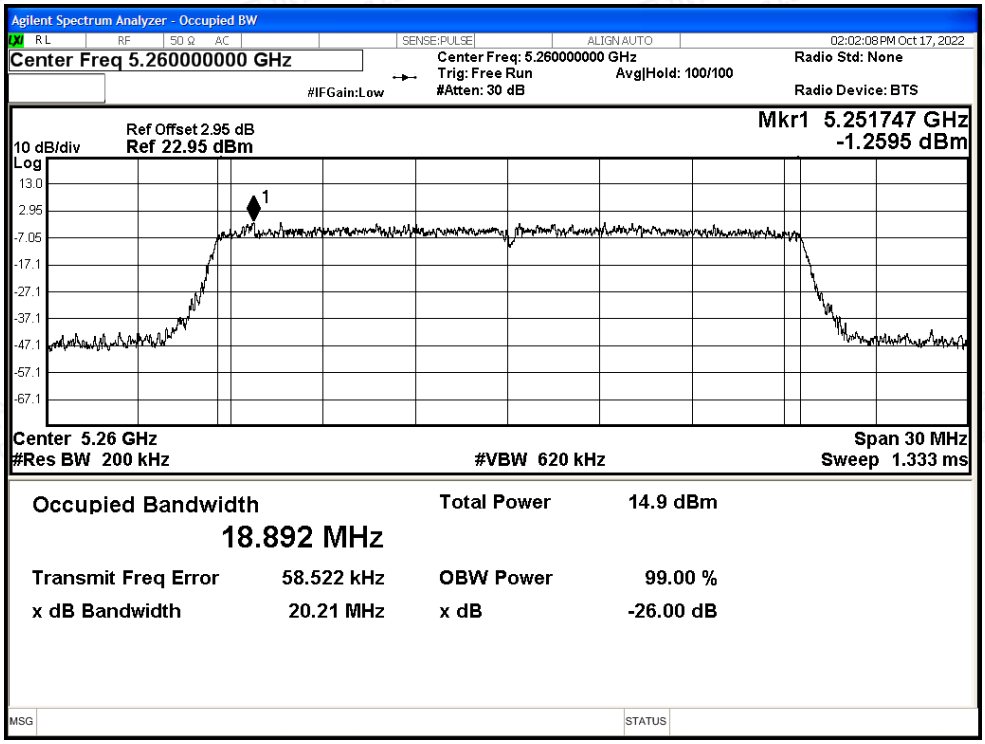
OBW NVNT ac40 5310MHz Ant0



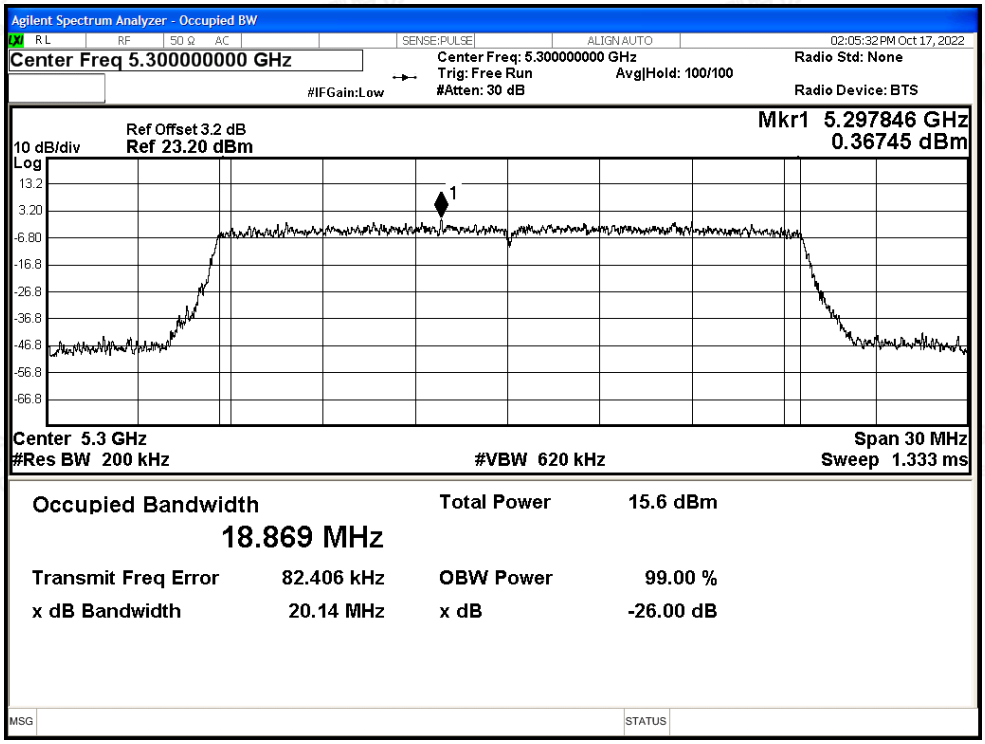
OBW NVNT ac80 5290MHz Ant0



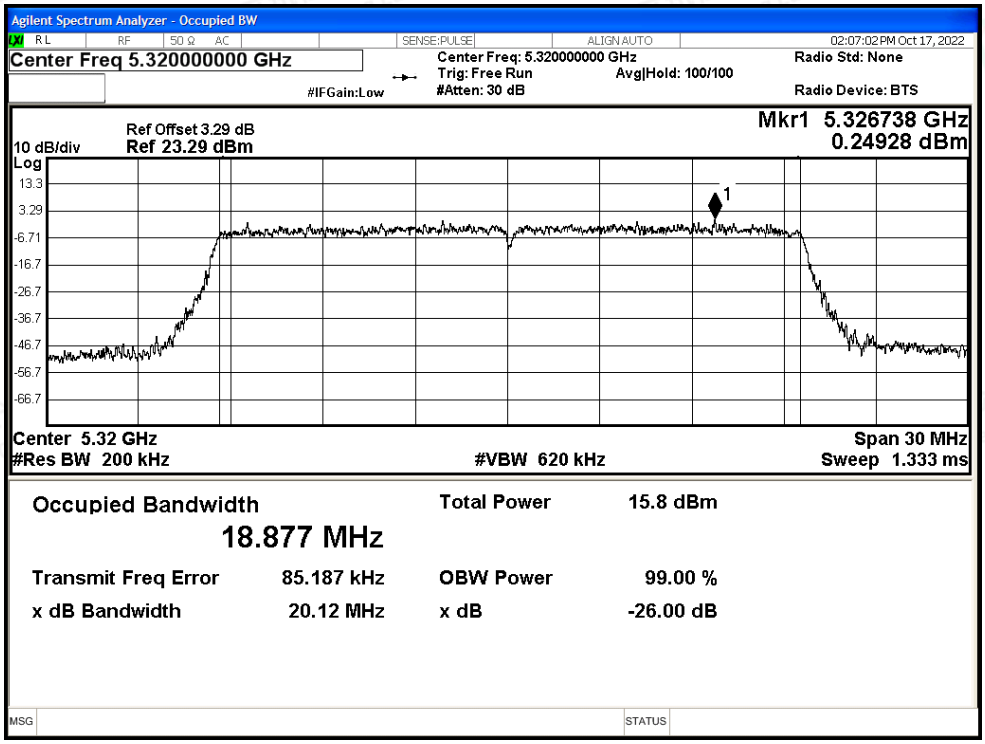
OBW NVNT ax20 5260MHz Ant0



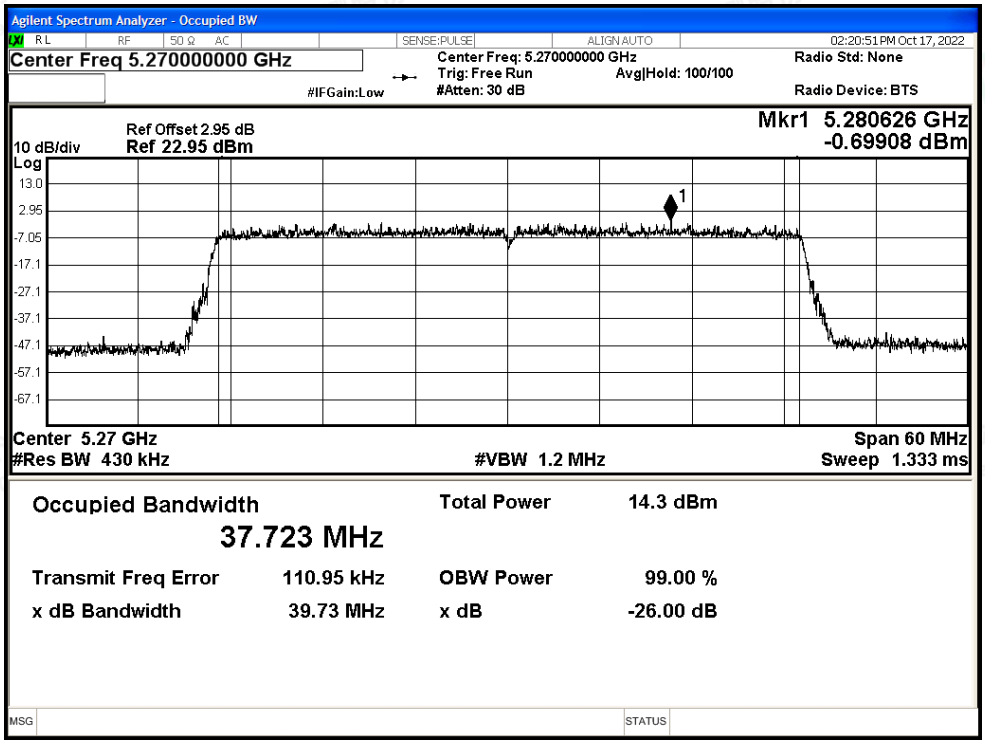
OBW NVNT ax20 5300MHz Ant0



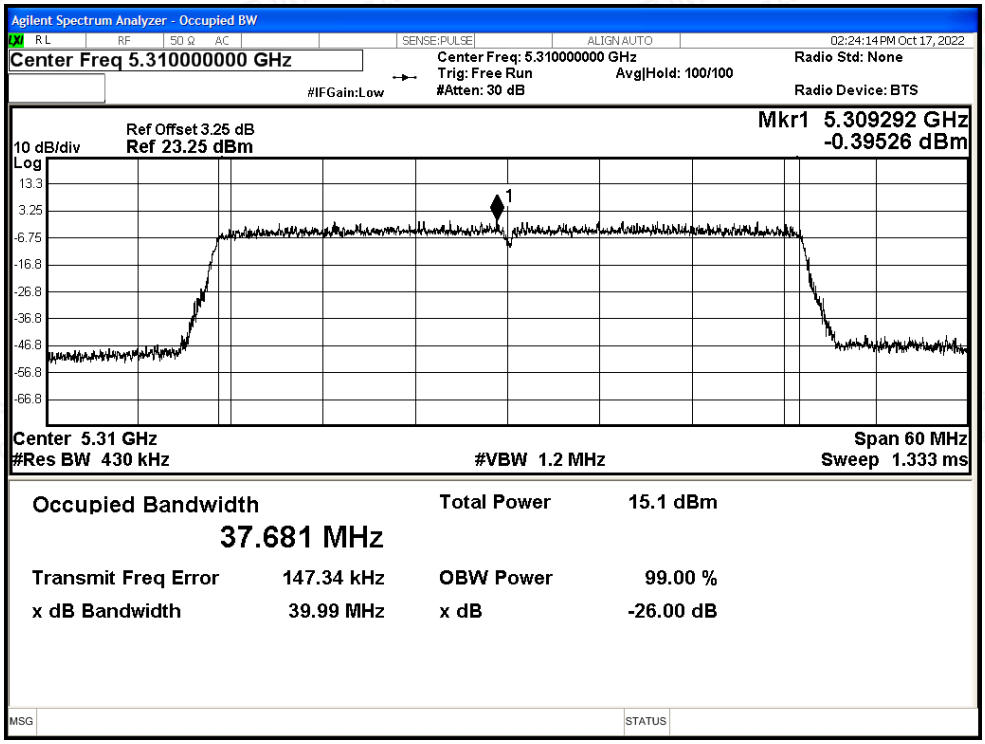
OBW NVNT ax20 5320MHz Ant0



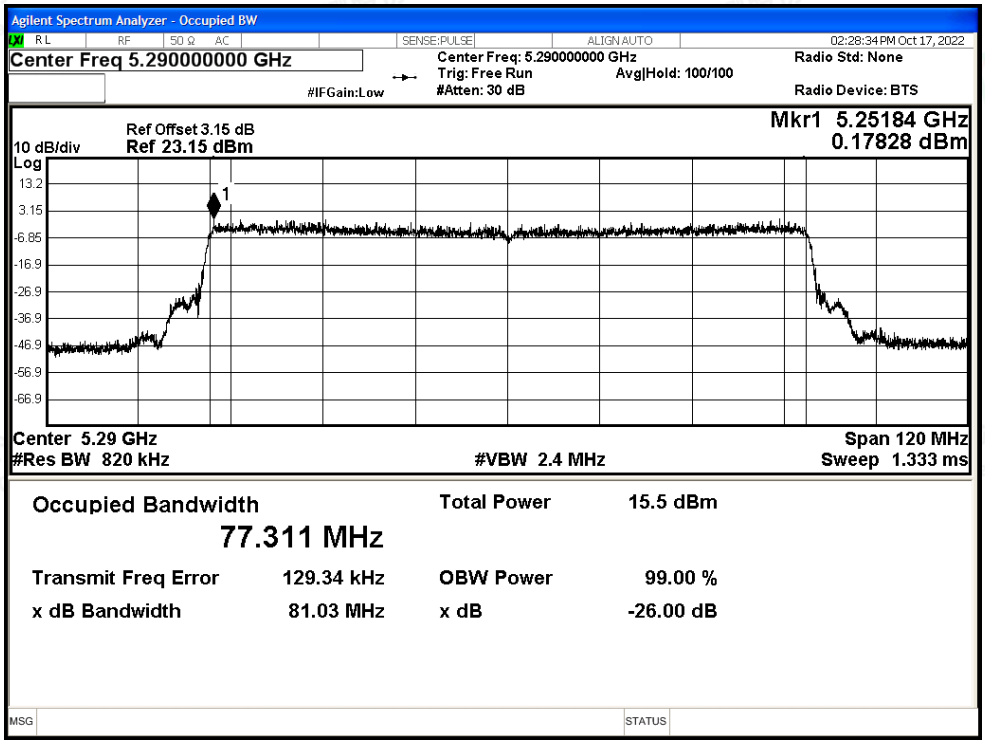
OBW NVNT ax40 5270MHz Ant0



OBW NVNT ax40 5310MHz Ant0



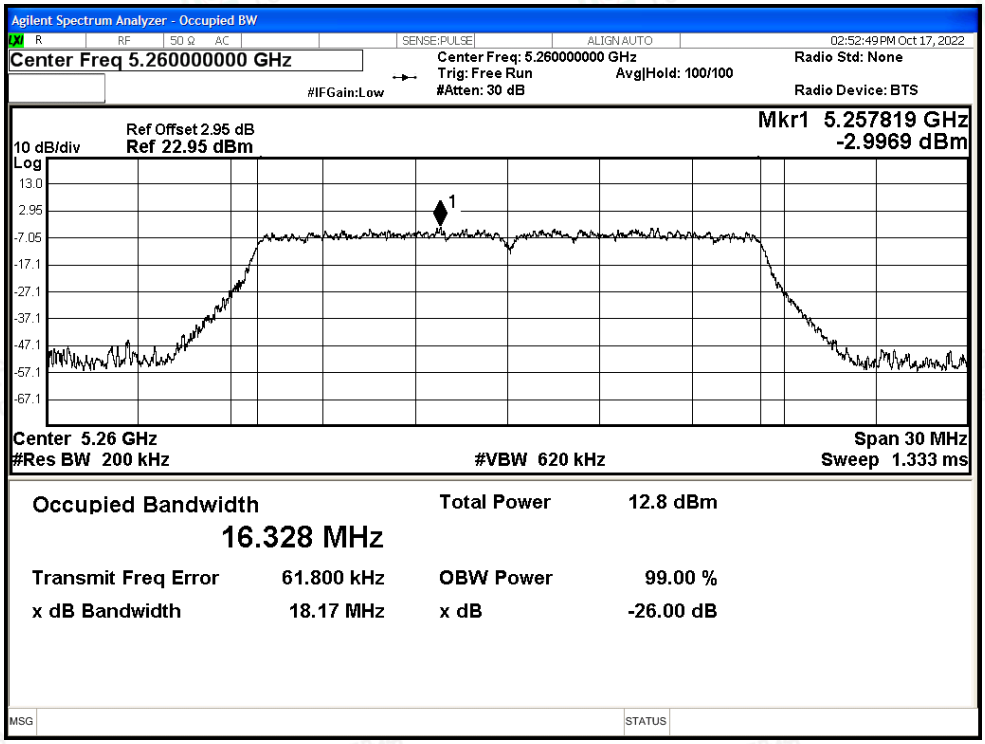
OBW NVNT ax80 5290MHz Ant0



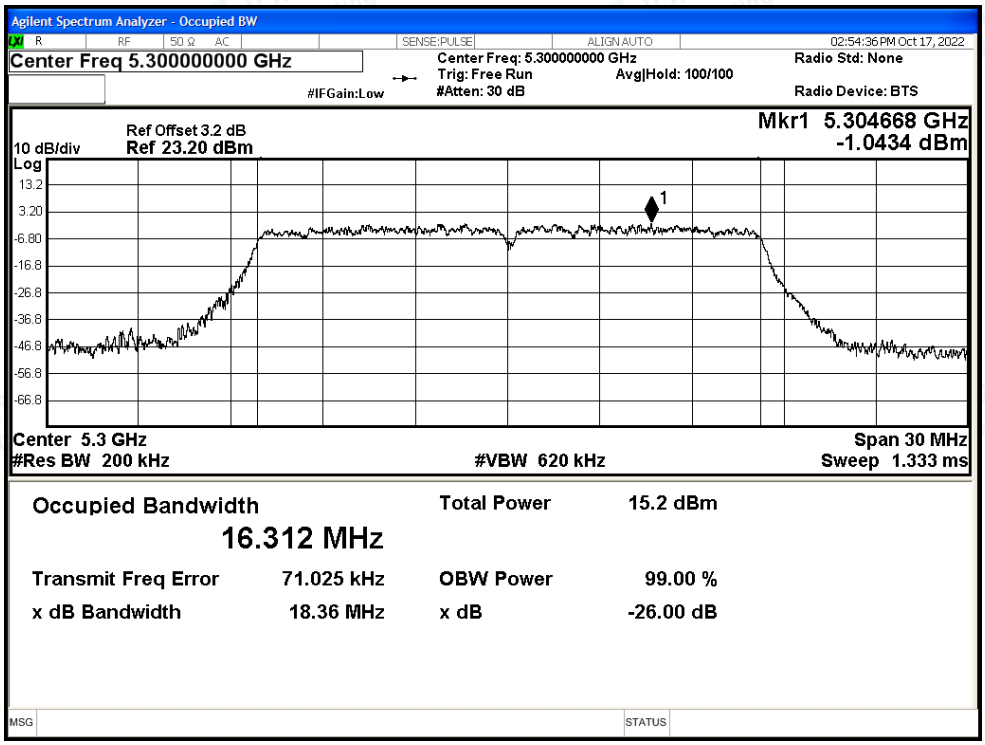
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.328
NVNT	a	5300	Ant1	16.312
NVNT	a	5320	Ant1	16.328
NVNT	n20	5260	Ant1	16.332
NVNT	n20	5300	Ant1	16.33
NVNT	n20	5320	Ant1	16.329
NVNT	n40	5270	Ant1	36.019
NVNT	n40	5310	Ant1	35.985
NVNT	ac20	5260	Ant1	16.322
NVNT	ac20	5300	Ant1	16.322
NVNT	ac20	5320	Ant1	16.326
NVNT	ac40	5270	Ant1	36.039
NVNT	ac40	5310	Ant1	36.062
NVNT	ac80	5290	Ant1	76.21
NVNT	ax20	5260	Ant1	18.877
NVNT	ax20	5300	Ant1	18.896
NVNT	ax20	5320	Ant1	18.863
NVNT	ax40	5270	Ant1	37.68
NVNT	ax40	5310	Ant1	37.614
NVNT	ax80	5290	Ant1	77.315

Test Graphs

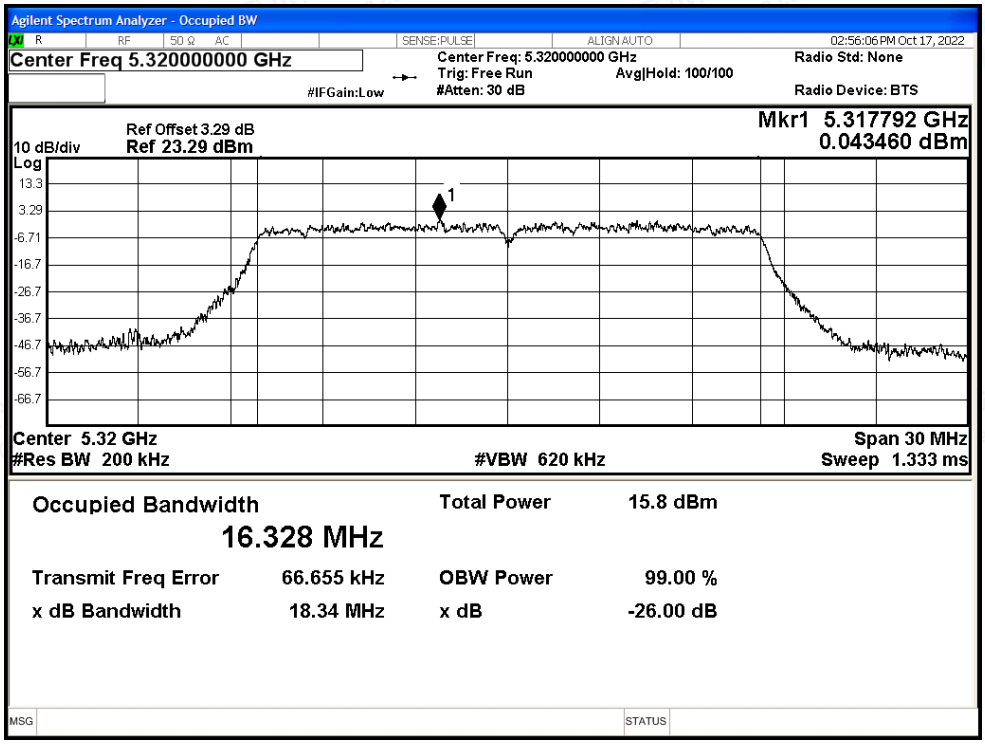
OBW NVNT a 5260MHz Ant1



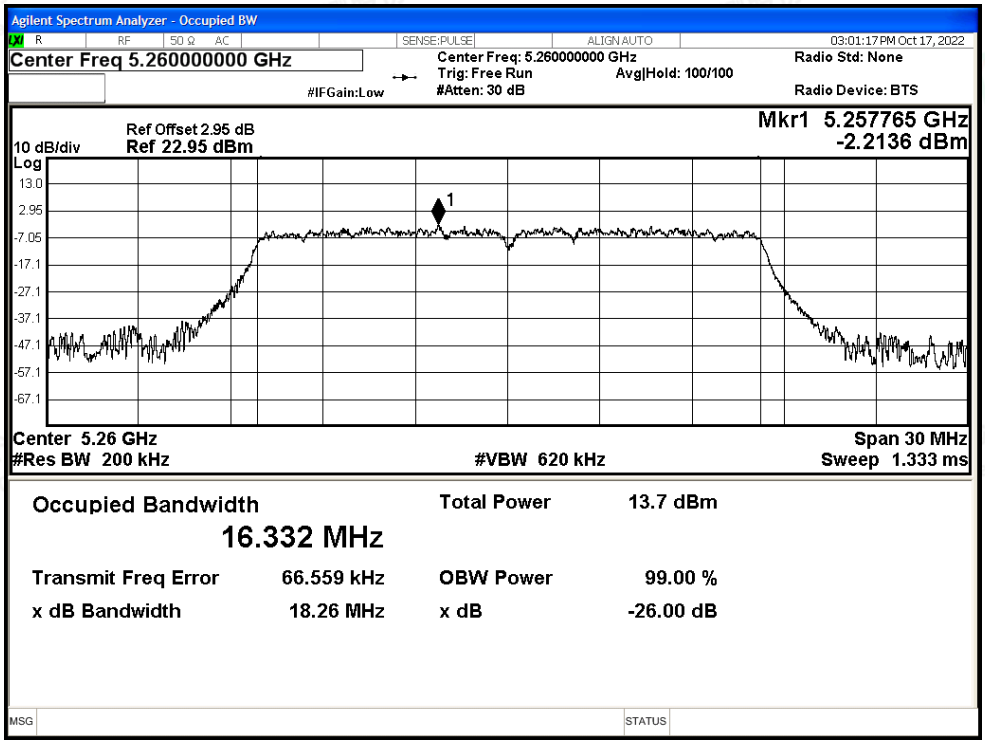
OBW NVNT a 5300MHz Ant1



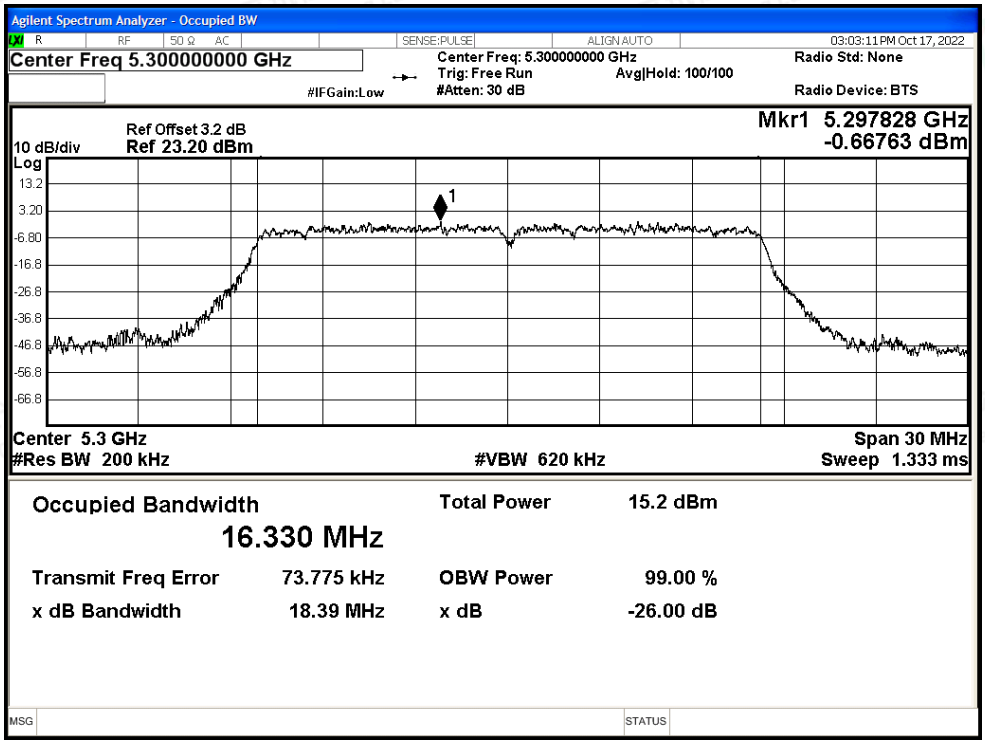
OBW NVNT a 5320MHz Ant1



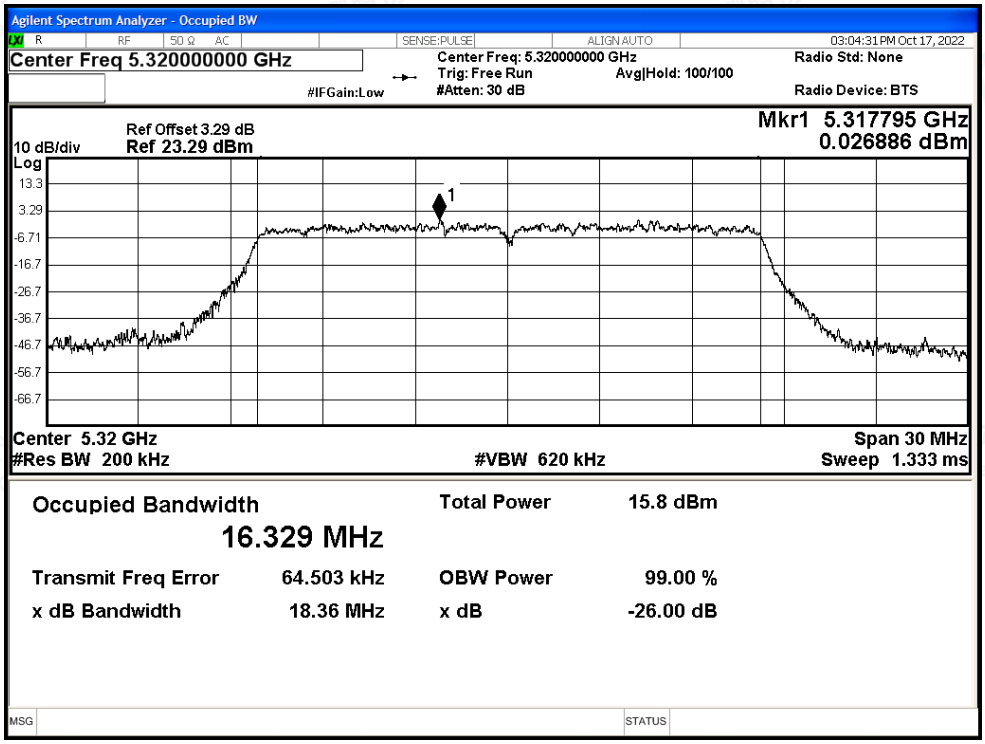
OBW NVNT n20 5260MHz Ant1



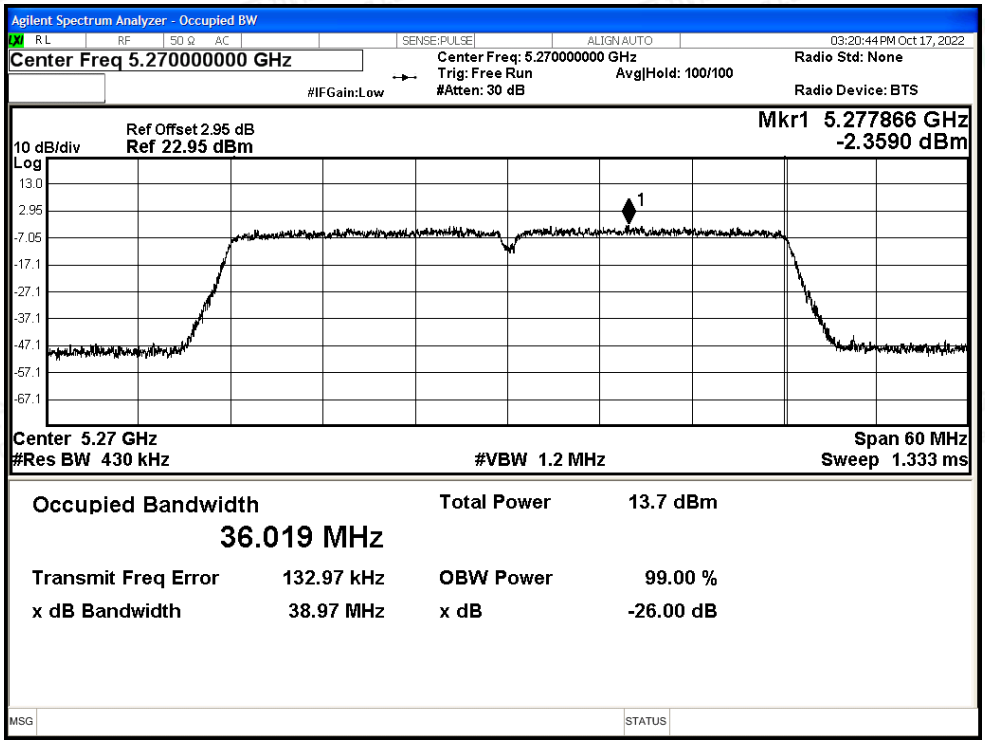
OBW NVNT n20 5300MHz Ant1



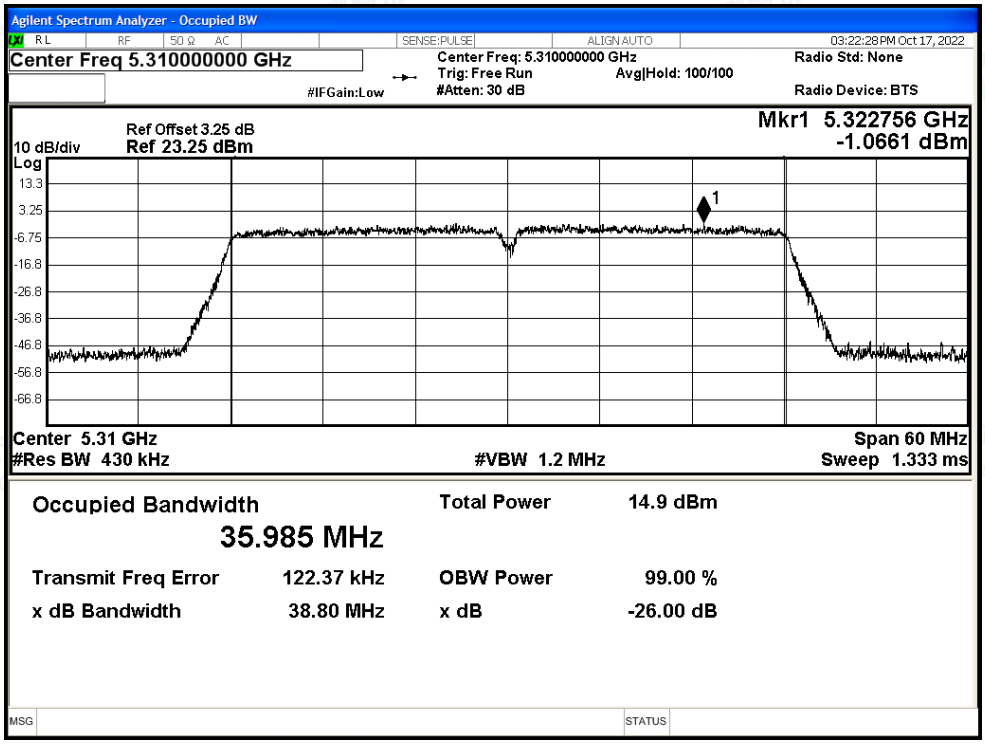
OBW NVNT n20 5320MHz Ant1



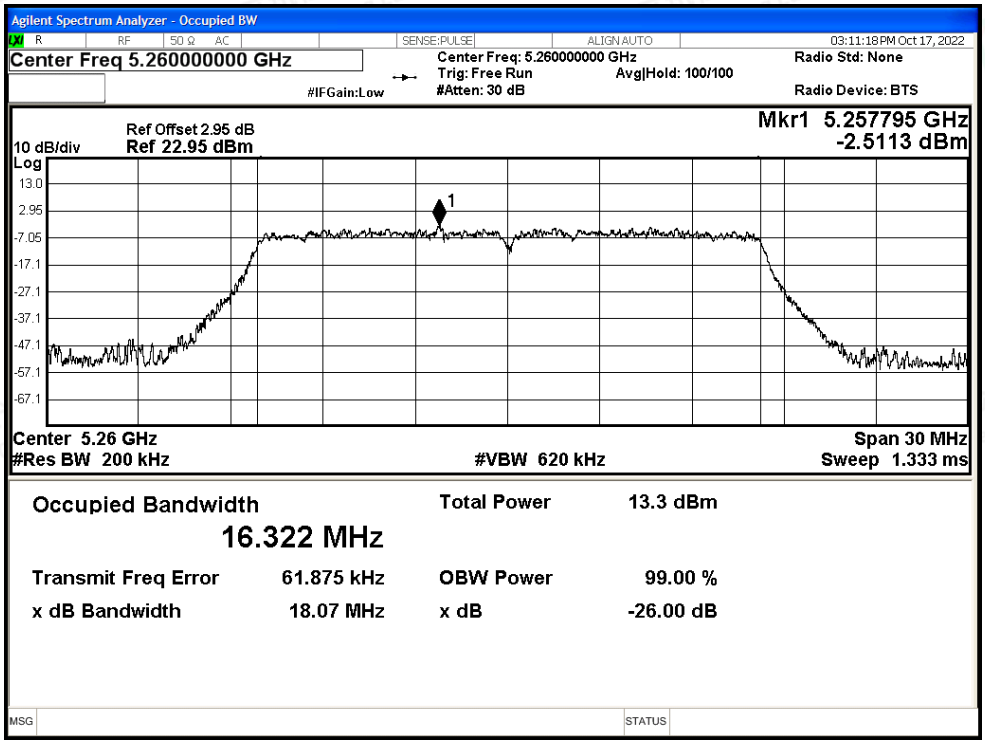
OBW NVNT n40 5270MHz Ant1



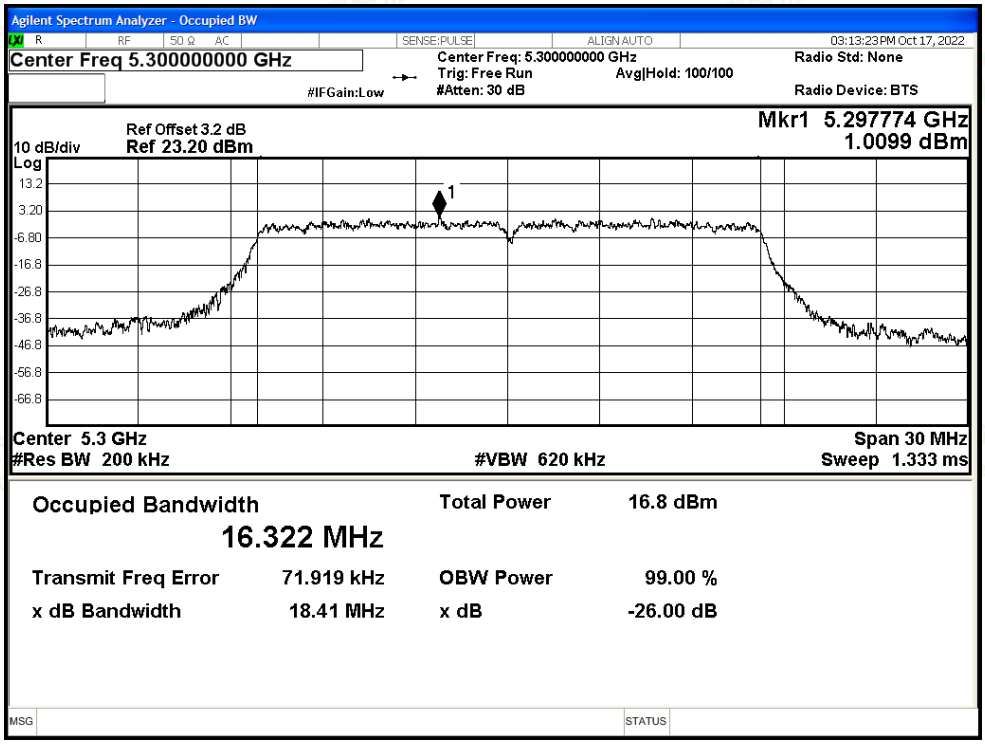
OBW NVNT n40 5310MHz Ant1



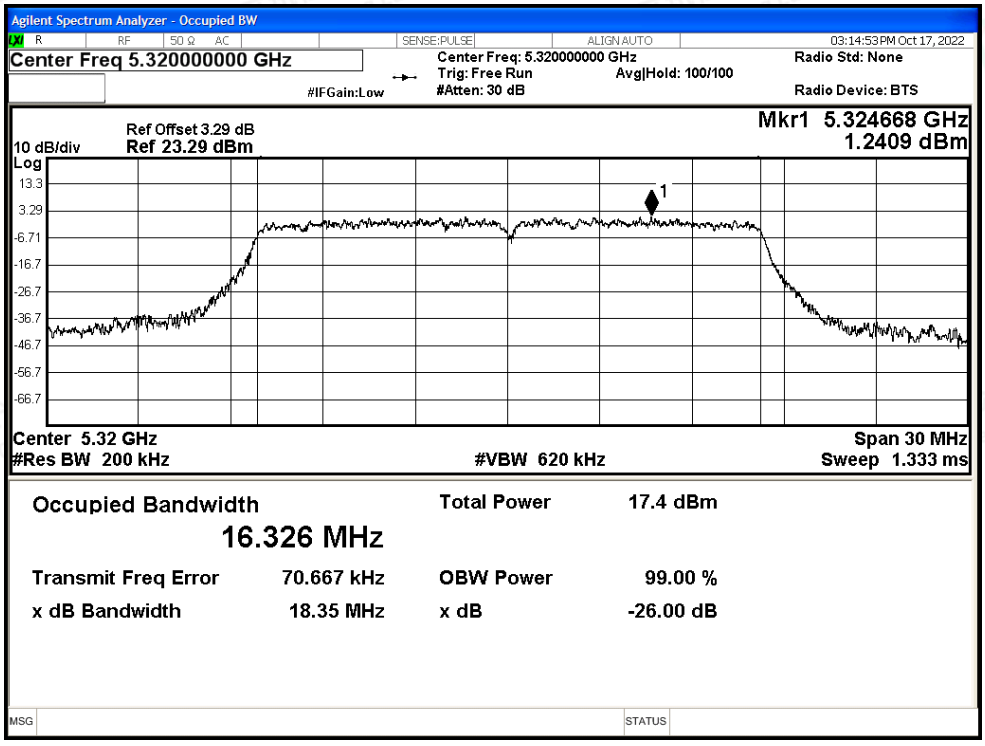
OBW NVNT ac20 5260MHz Ant1



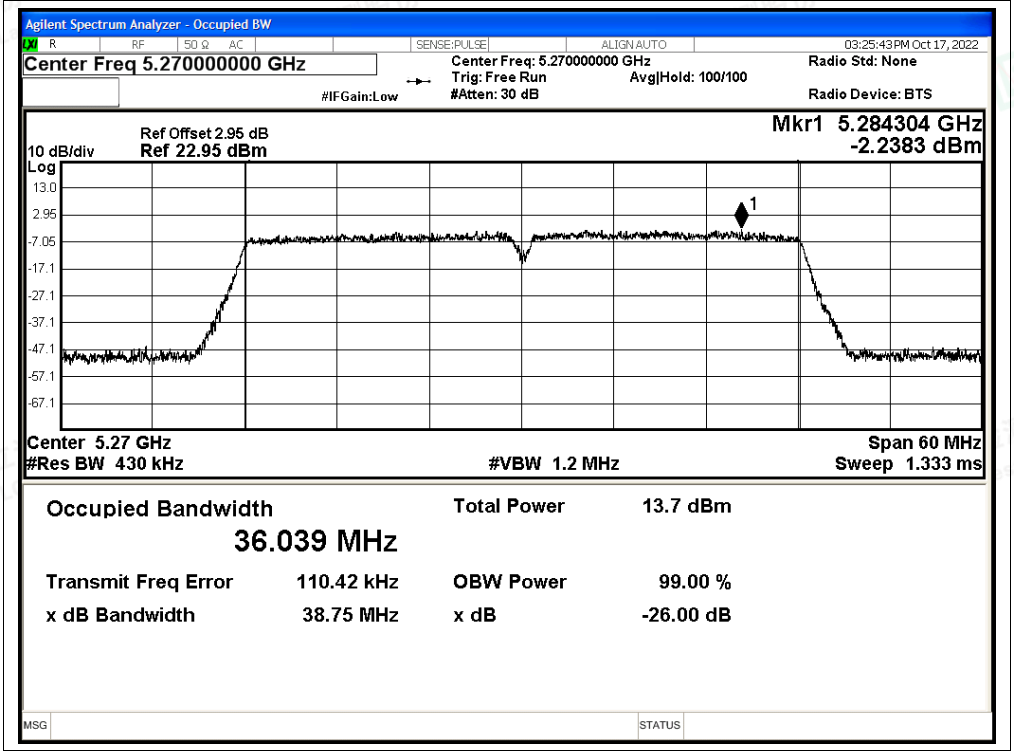
OBW NVNT ac20 5300MHz Ant1



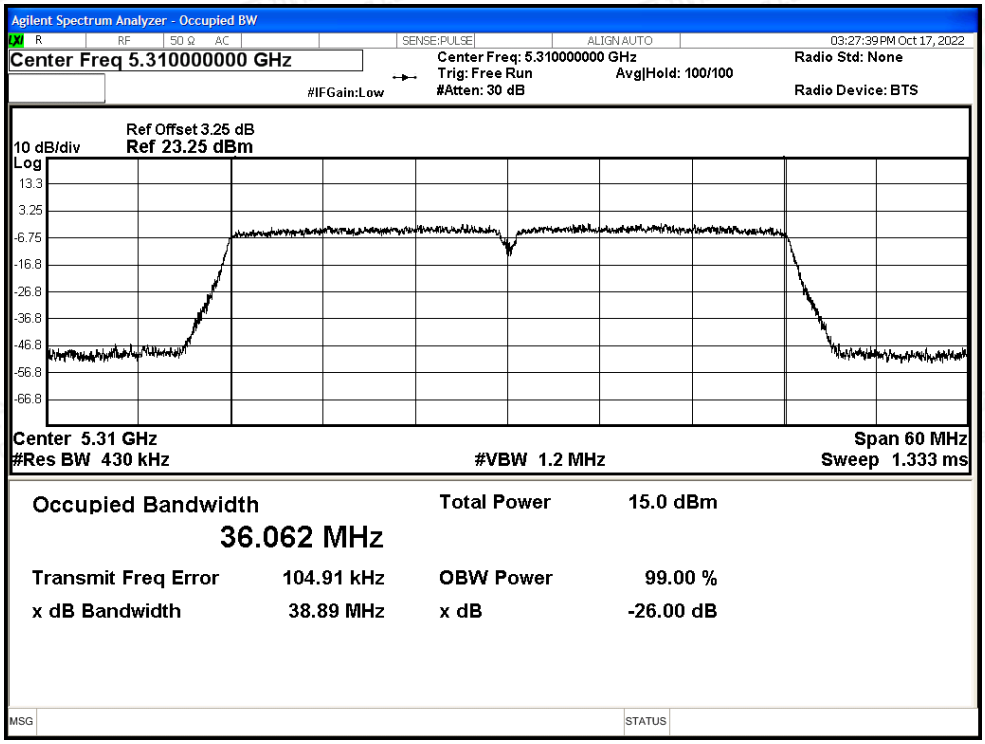
OBW NVNT ac20 5320MHz Ant1



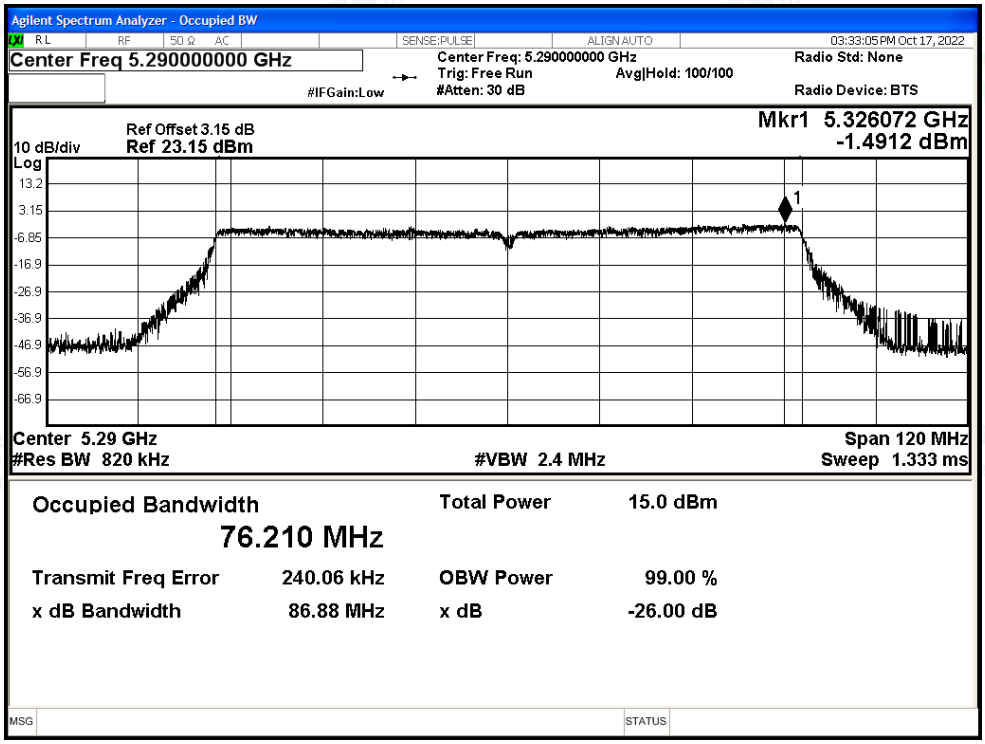
OBW NVNT ac40 5270MHz Ant1



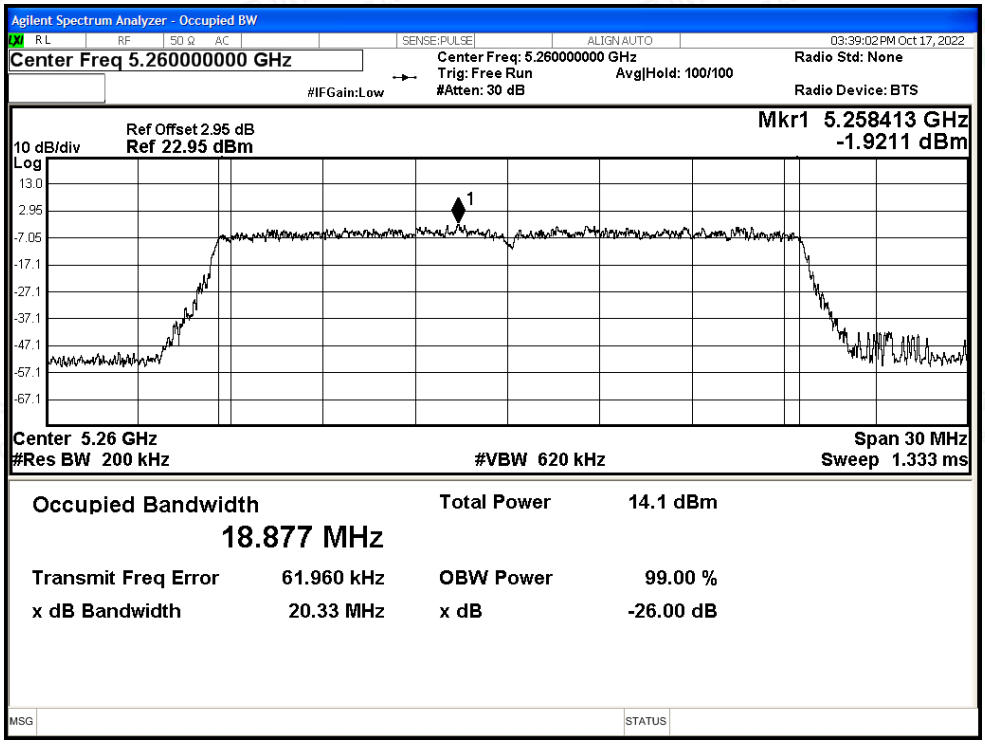
OBW NVNT ac40 5310MHz Ant1



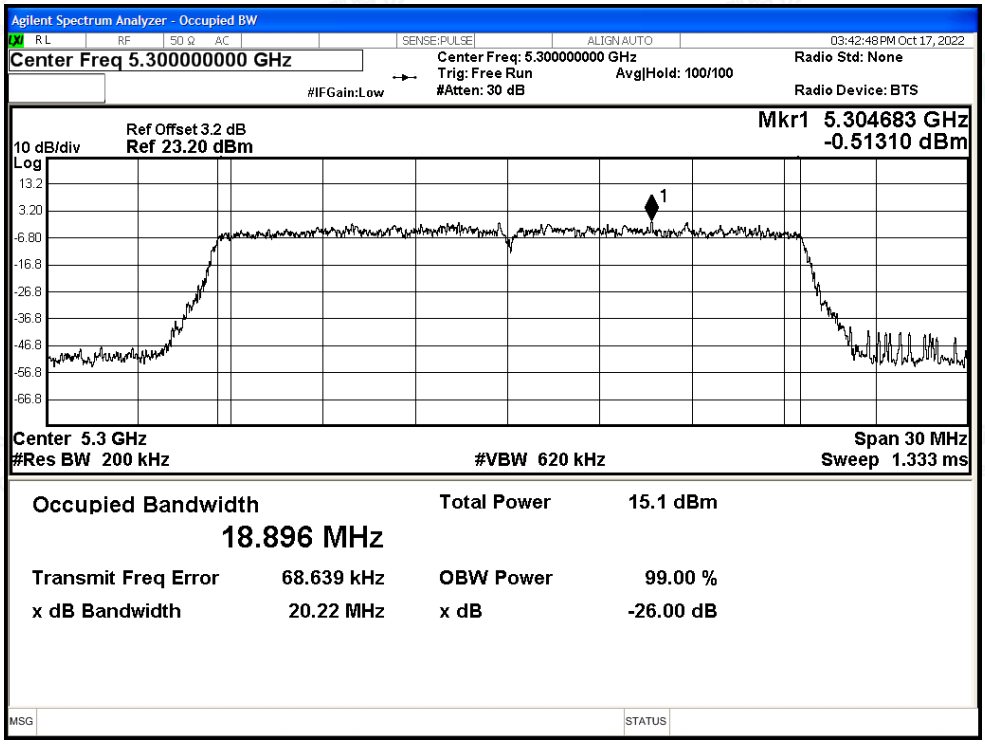
OBW NVNT ac80 5290MHz Ant1



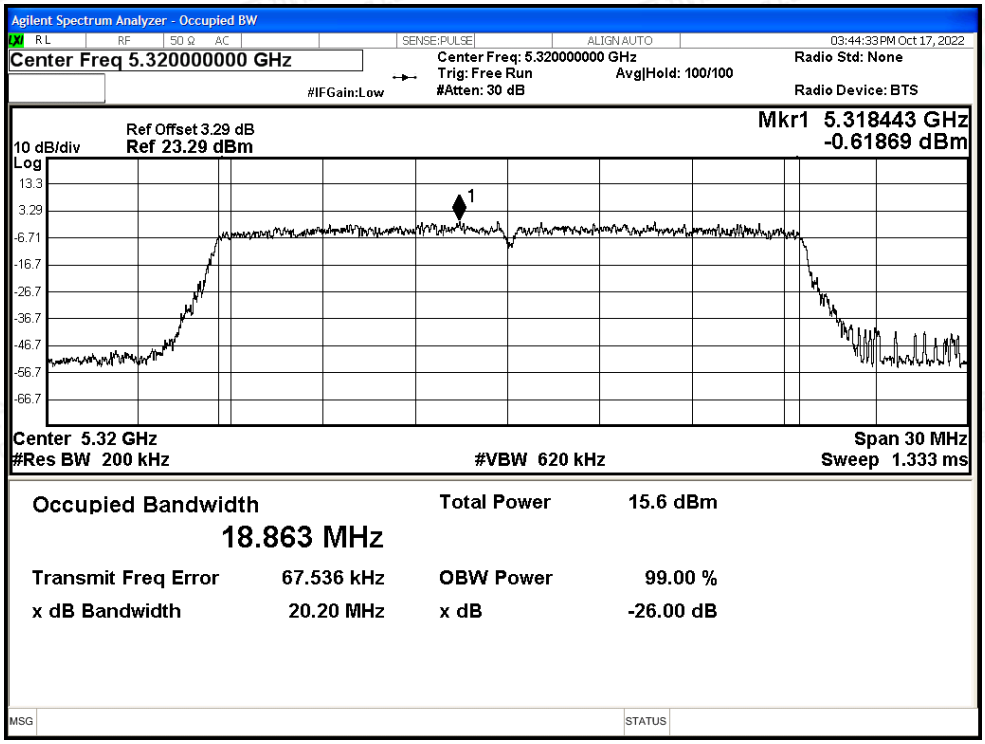
OBW NVNT ax20 5260MHz Ant1



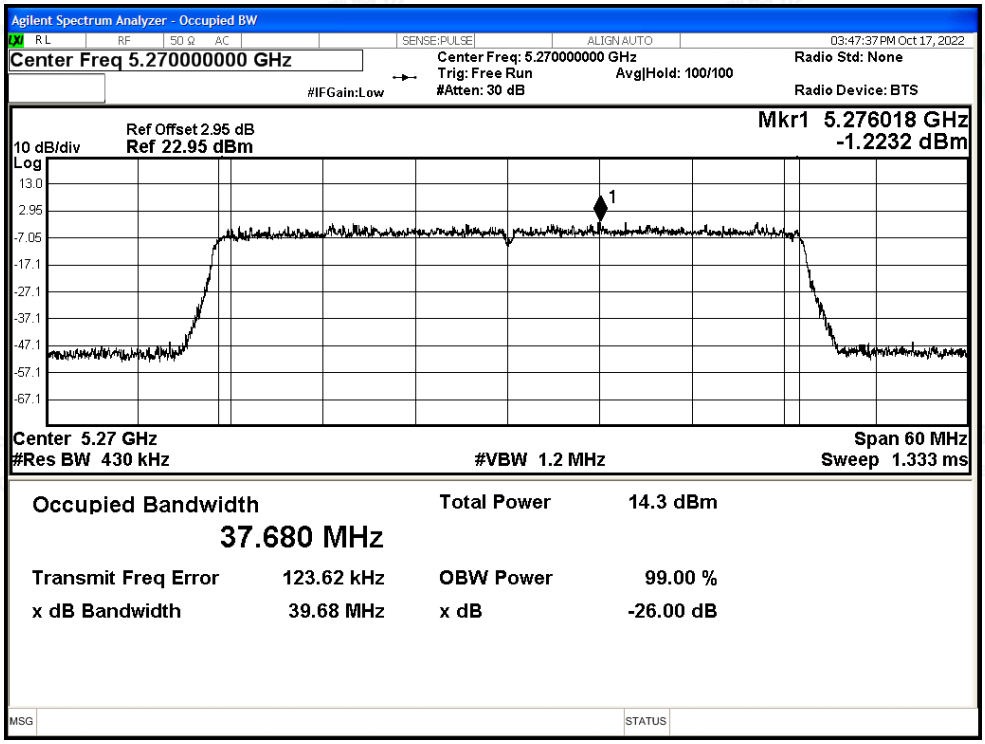
OBW NVNT ax20 5300MHz Ant1



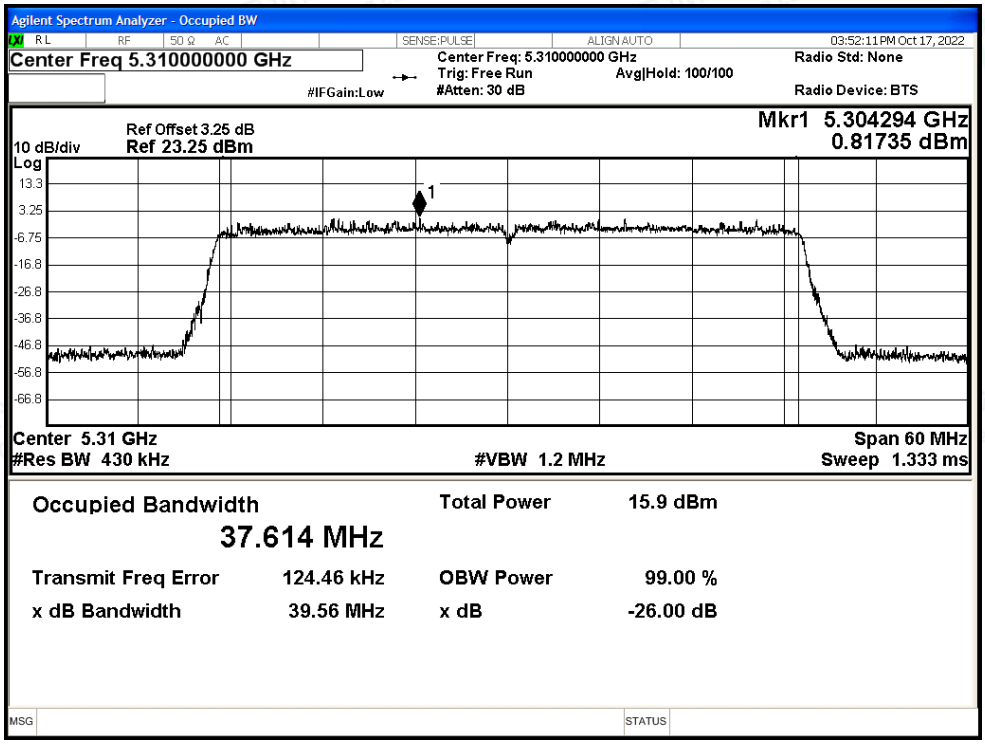
OBW NVNT ax20 5320MHz Ant1



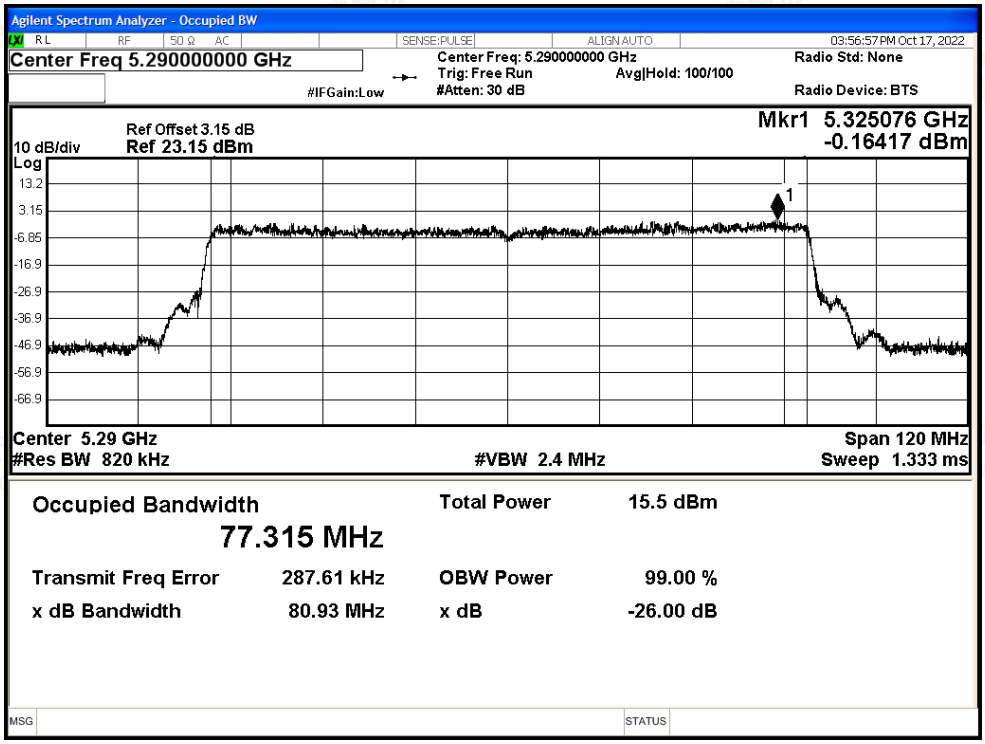
OBW NVNT ax40 5270MHz Ant1



OBW NVNT ax40 5310MHz Ant1



OBW NVNT ax80 5290MHz Ant1

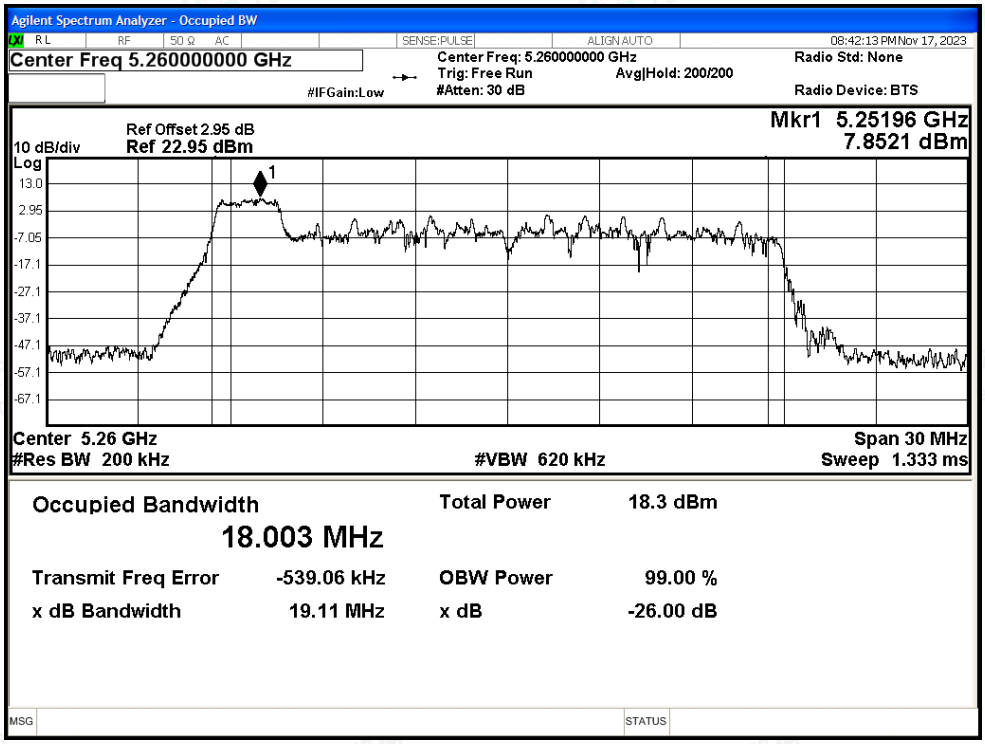


802.11ax OFDMA-(26 Tone)

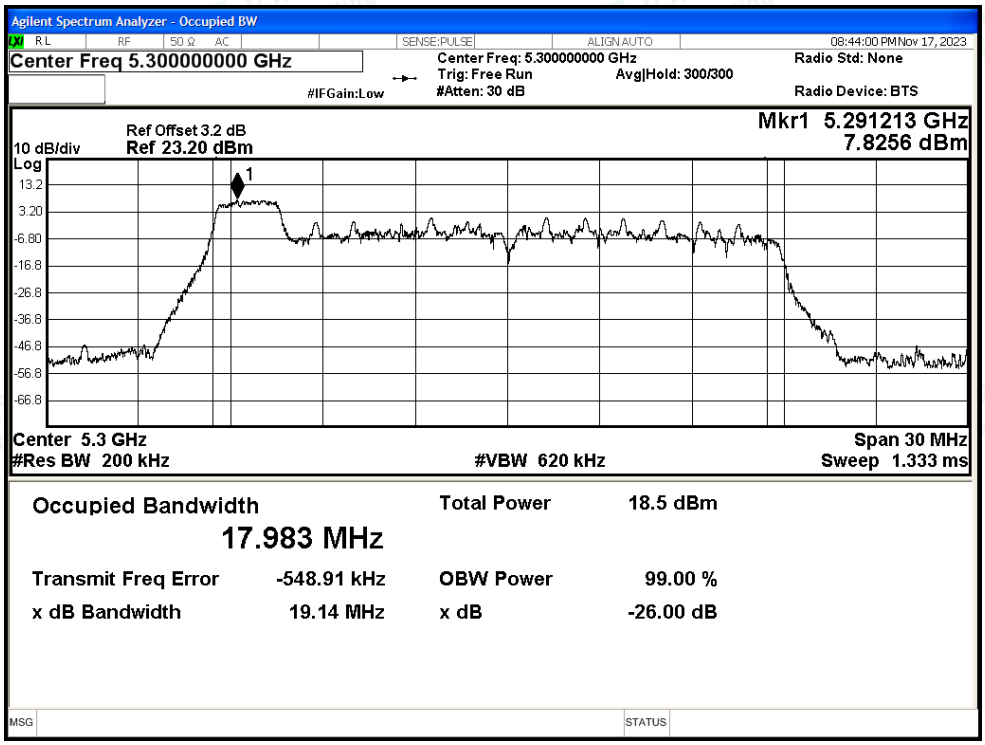
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	5260	Ant0	18.003
NVNT	ax20	5300	Ant0	17.983
NVNT	ax20	5320	Ant0	17.948
NVNT	ax40	5270	Ant0	17.854
NVNT	ax40	5310	Ant0	17.676
NVNT	ax80	5290	Ant0	17.477

Test Graphs

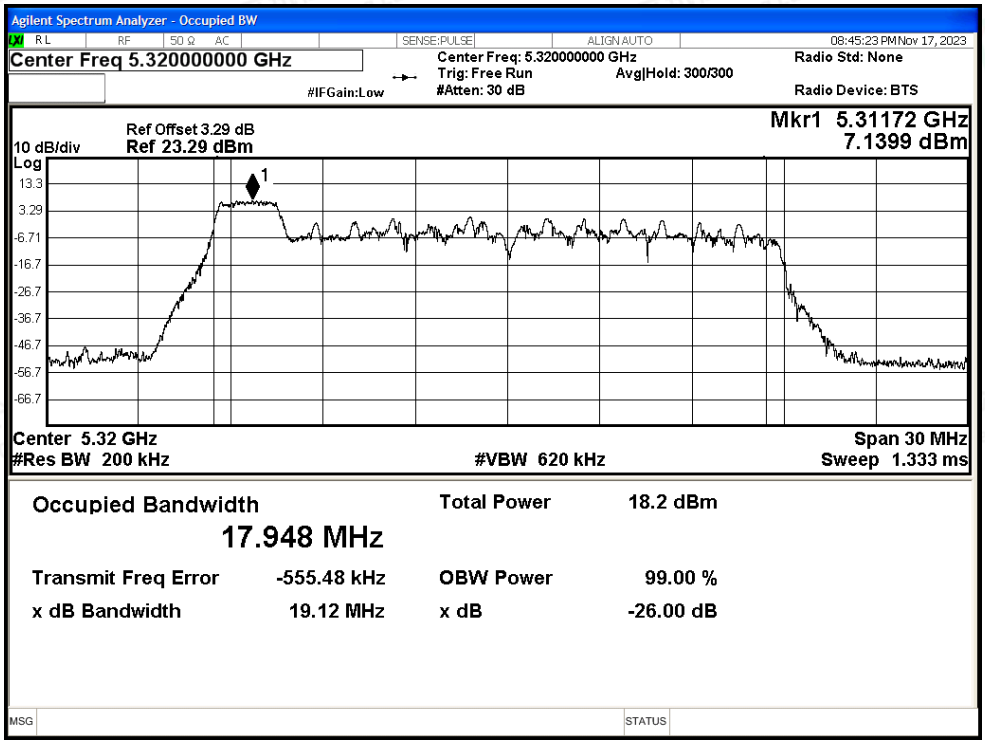
OBW NVNT ax20 5260MHz Ant0



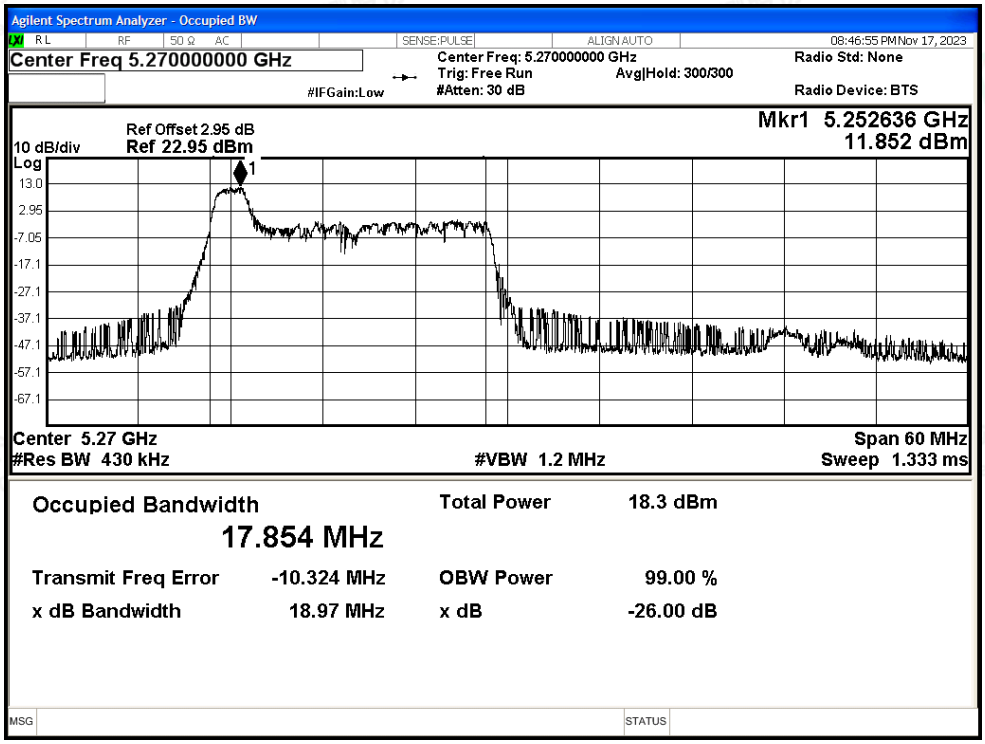
OBW NVNT ax20 5300MHz Ant0



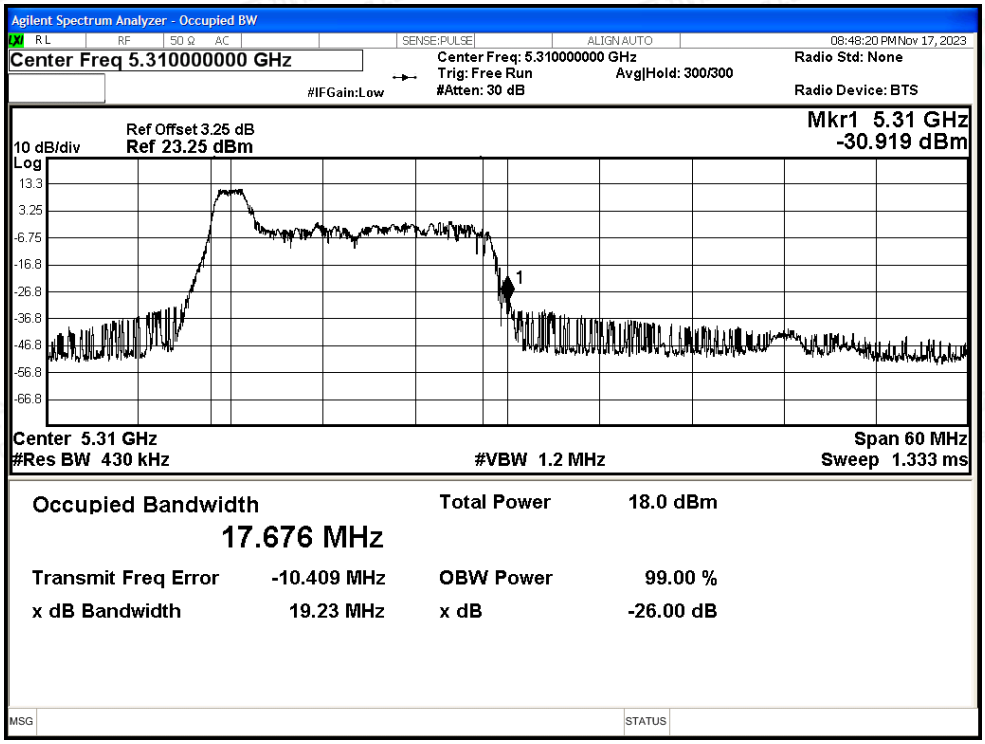
OBW NVNT ax20 5320MHz Ant0



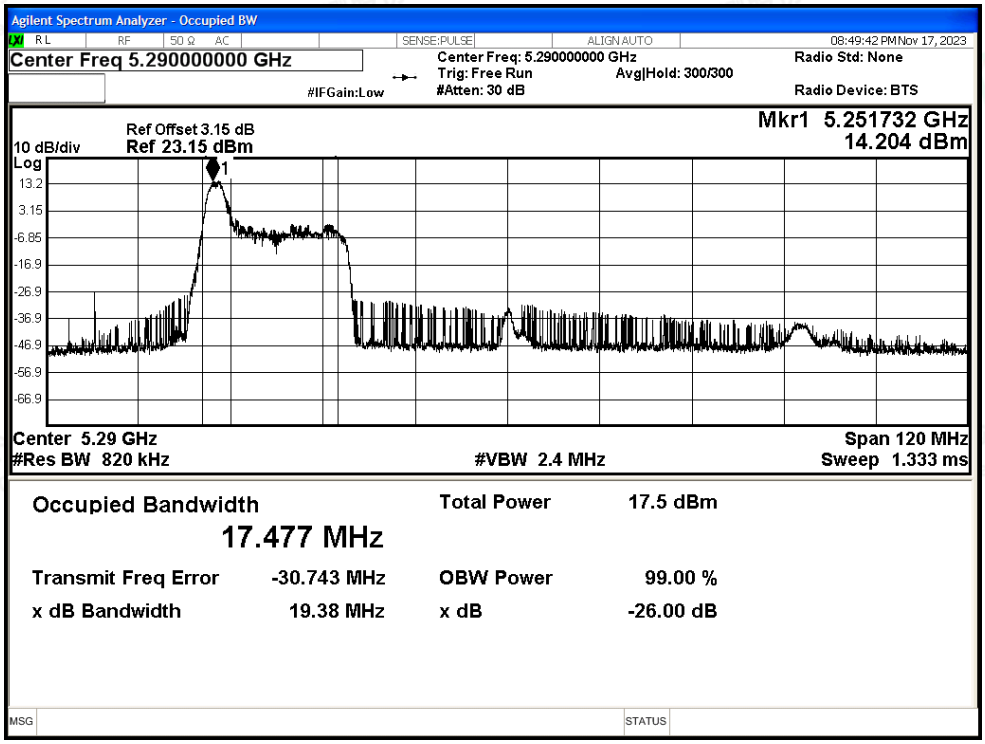
OBW NVNT ax40 5270MHz Ant0



OBW NVNT ax40 5310MHz Ant0



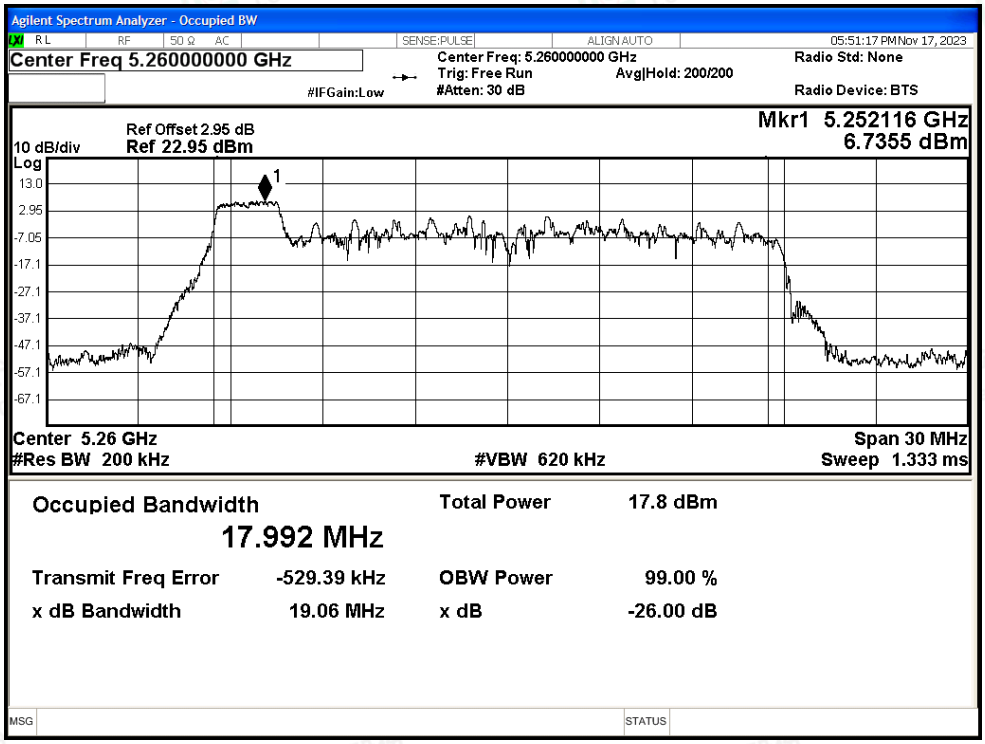
OBW NVNT ax80 5290MHz Ant0



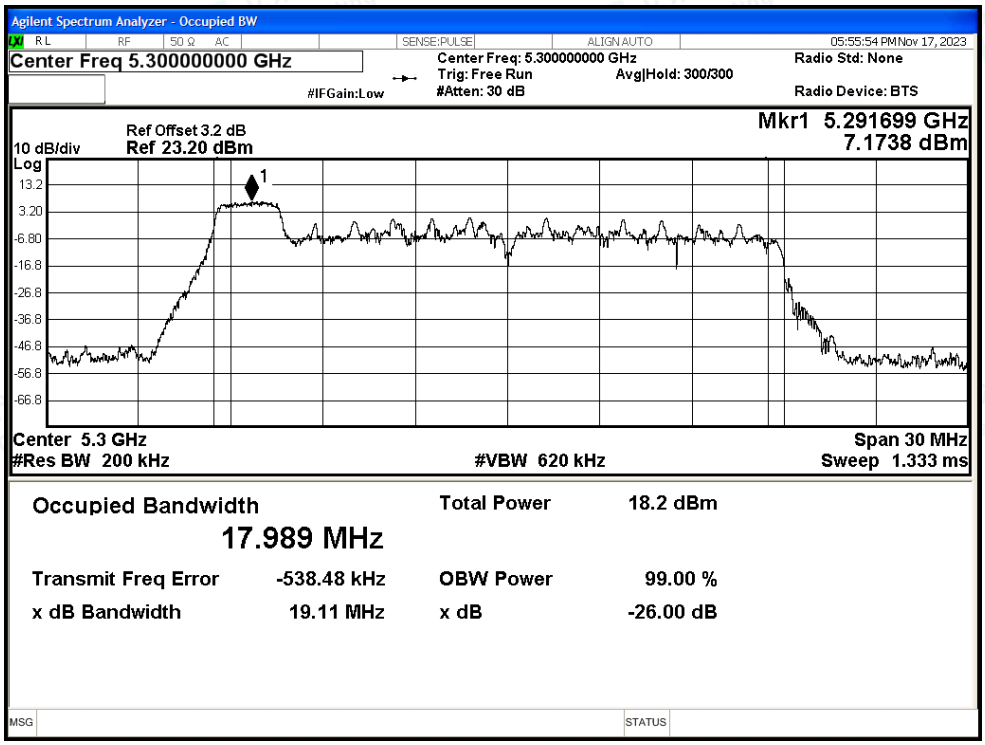
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	5260	Ant1	17.992
NVNT	ax20	5300	Ant1	17.989
NVNT	ax20	5320	Ant1	17.969
NVNT	ax40	5270	Ant1	17.797
NVNT	ax40	5310	Ant1	17.837
NVNT	ax80	5290	Ant1	17.366

Test Graphs

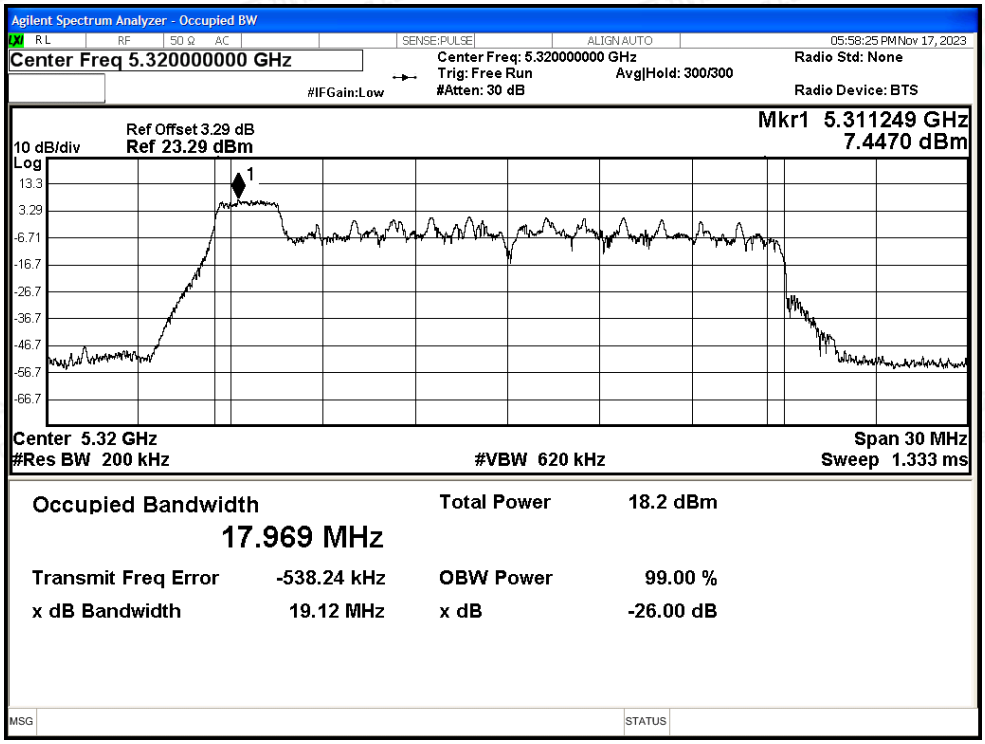
OBW NVNT ax20 5260MHz Ant1



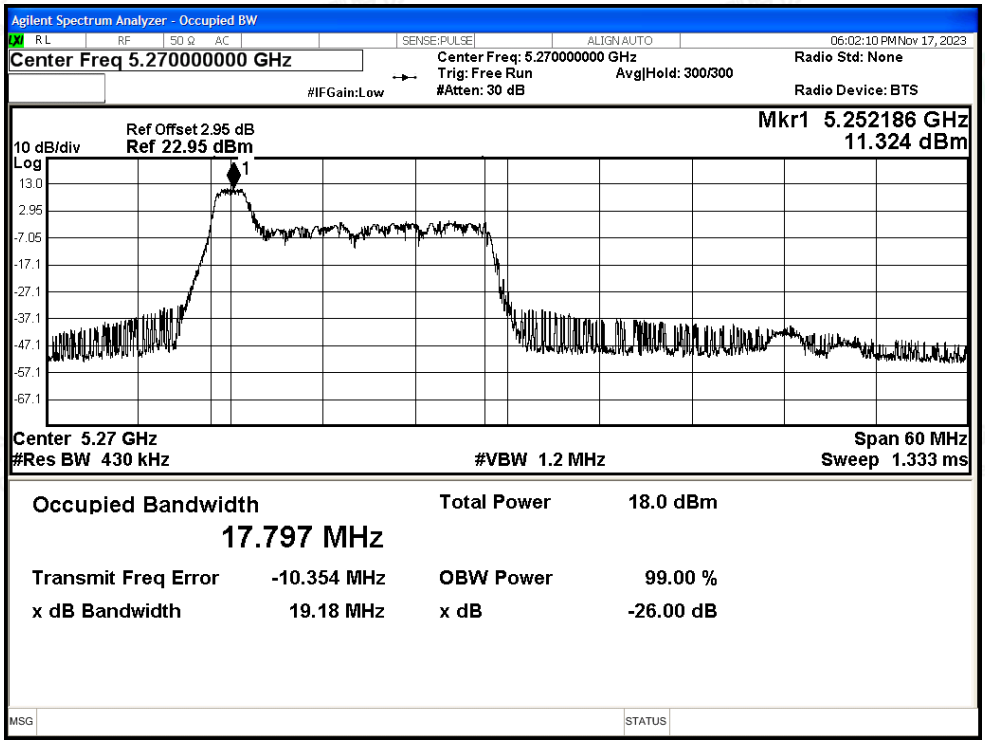
OBW NVNT ax20 5300MHz Ant1



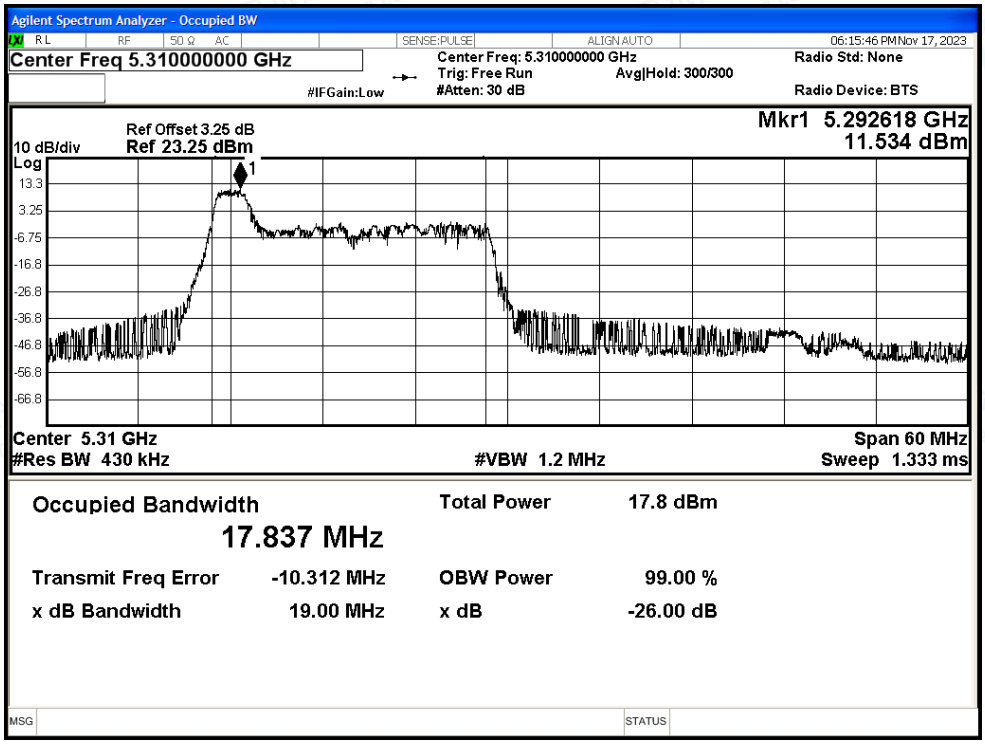
OBW NVNT ax20 5320MHz Ant1



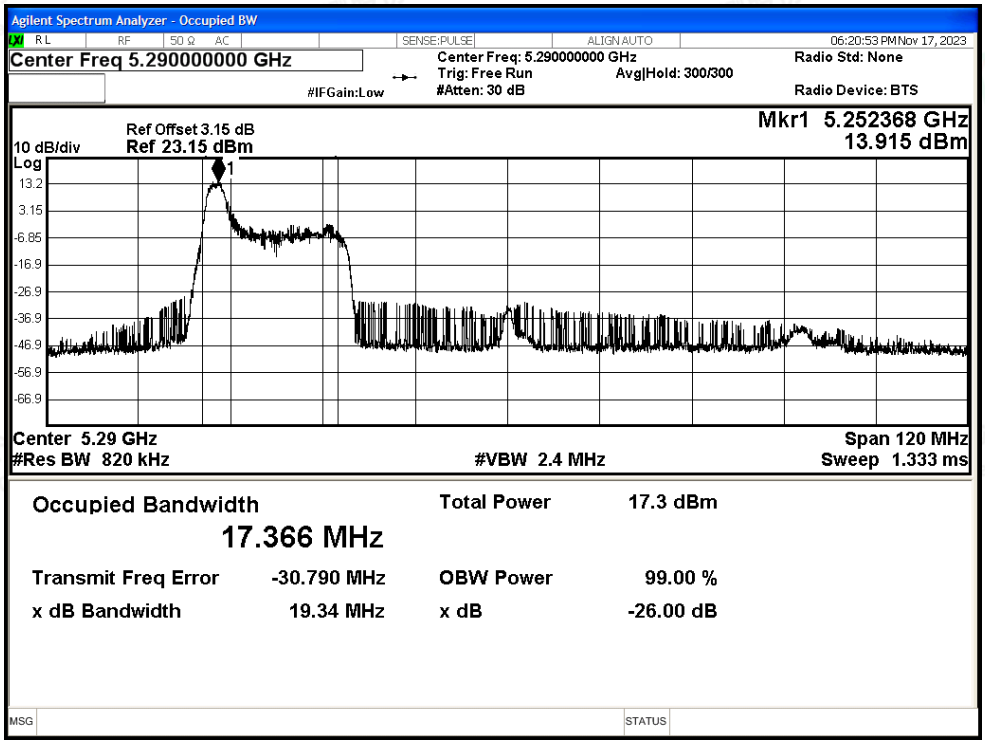
OBW NVNT ax40 5270MHz Ant1



OBW NVNT ax40 5310MHz Ant1



OBW NVNT ax80 5290MHz Ant1

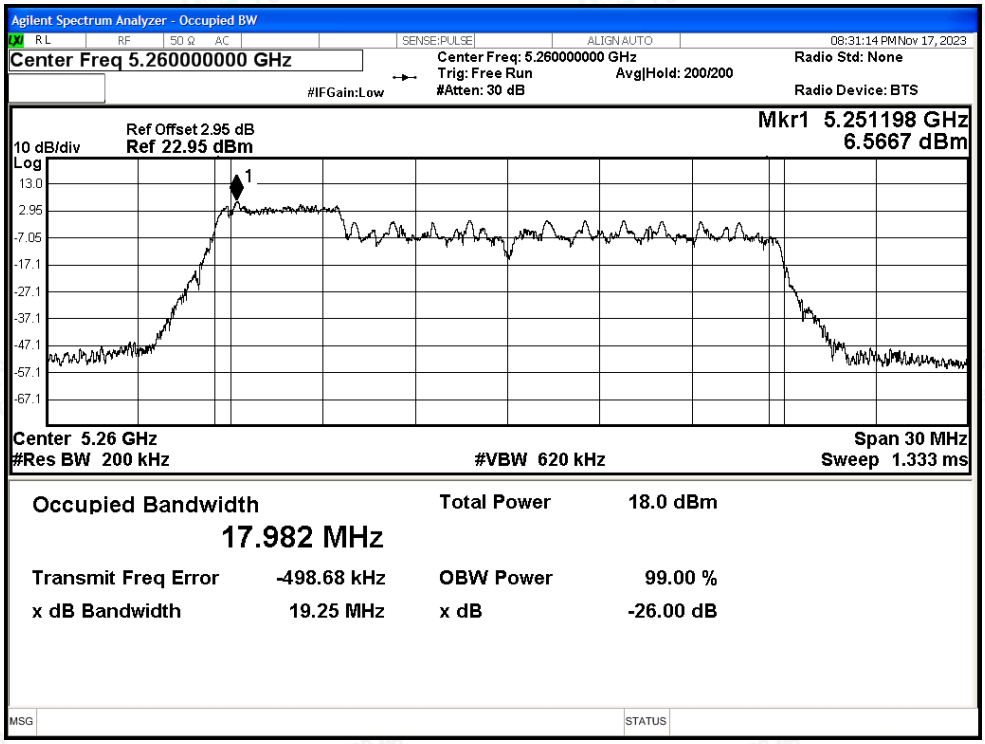


802.11ax OFDMA-(52 Tone)

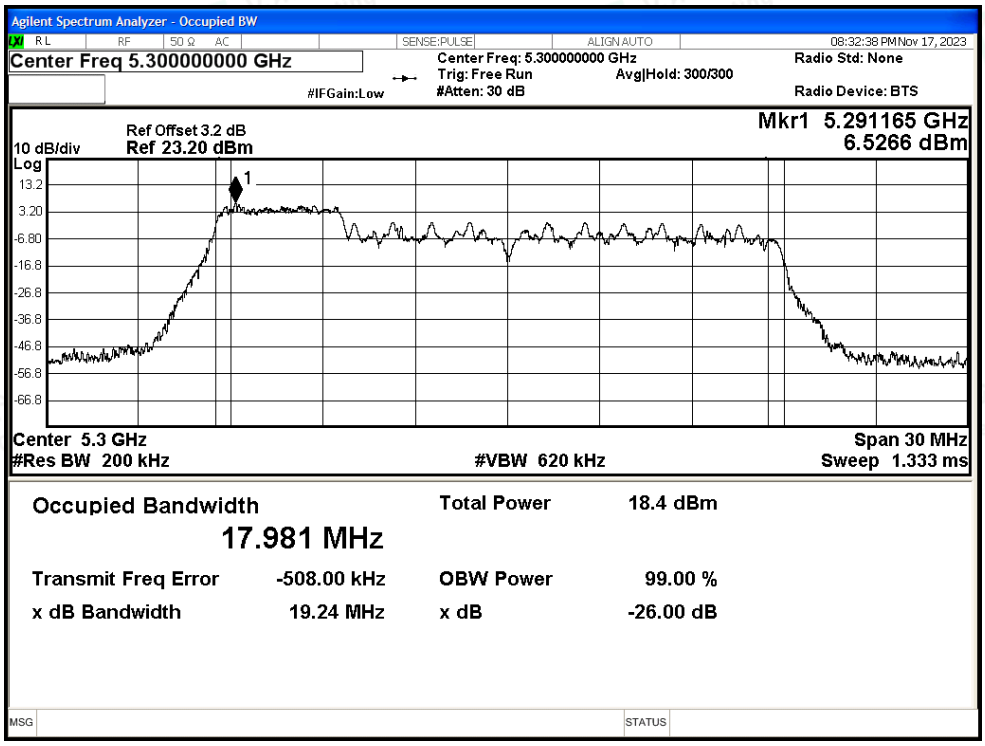
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	5260	Ant0	17.982
NVNT	ax20	5300	Ant0	17.981
NVNT	ax20	5320	Ant0	17.96
NVNT	ax40	5270	Ant0	17.572
NVNT	ax40	5310	Ant0	17.604
NVNT	ax80	5290	Ant0	17.031

Test Graphs

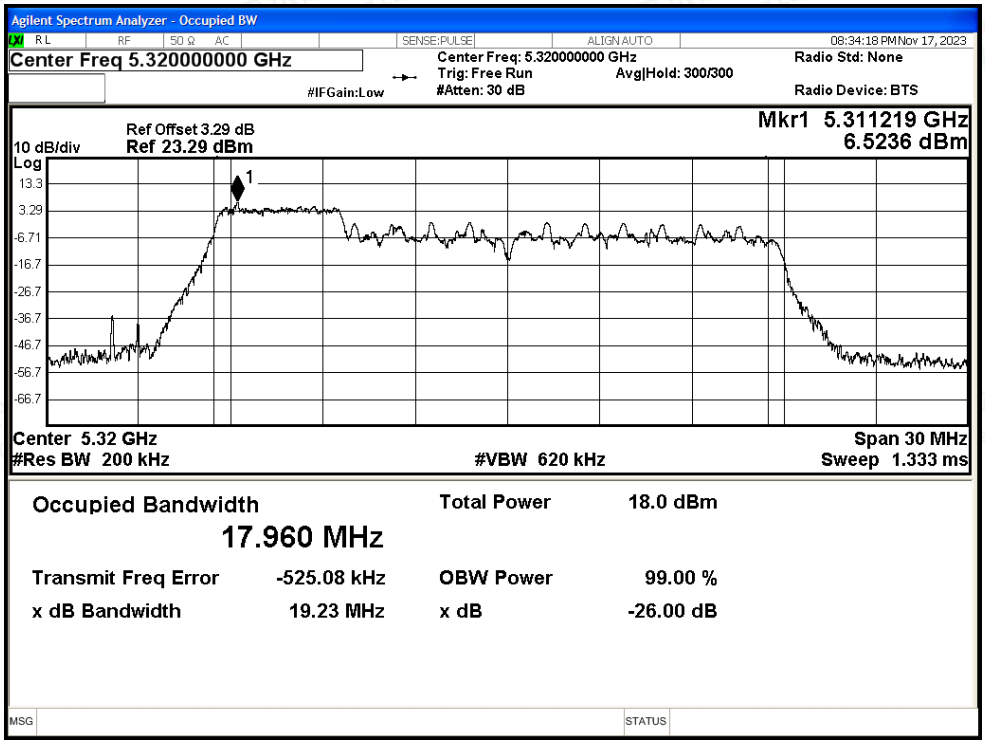
OBW NVNT ax20 5260MHz Ant0



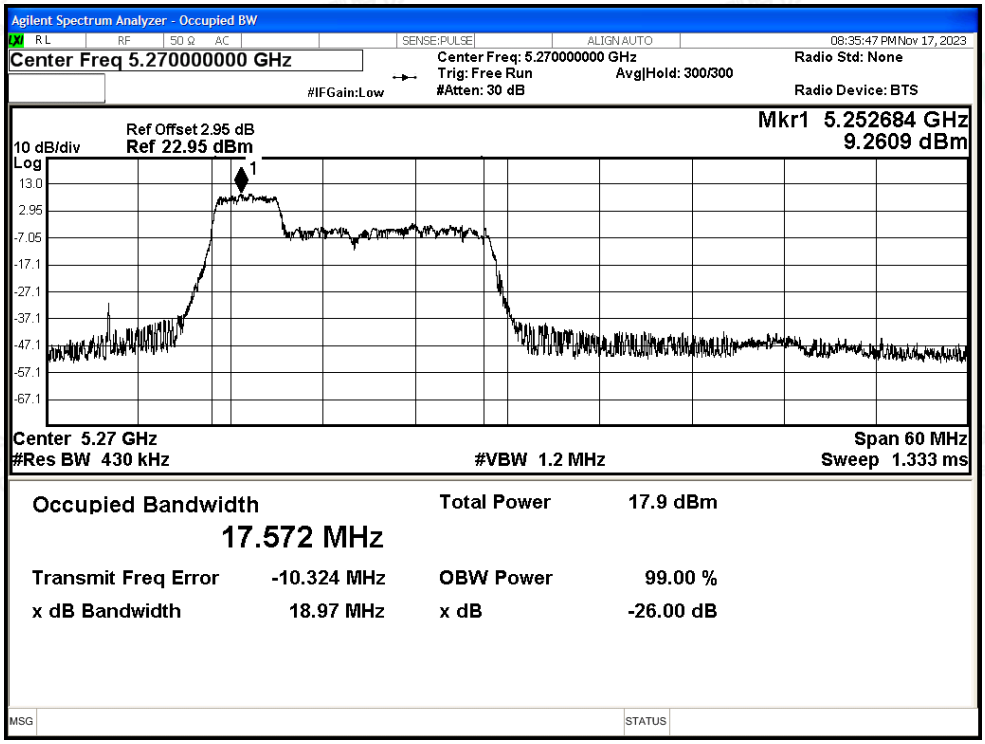
OBW NVNT ax20 5300MHz Ant0



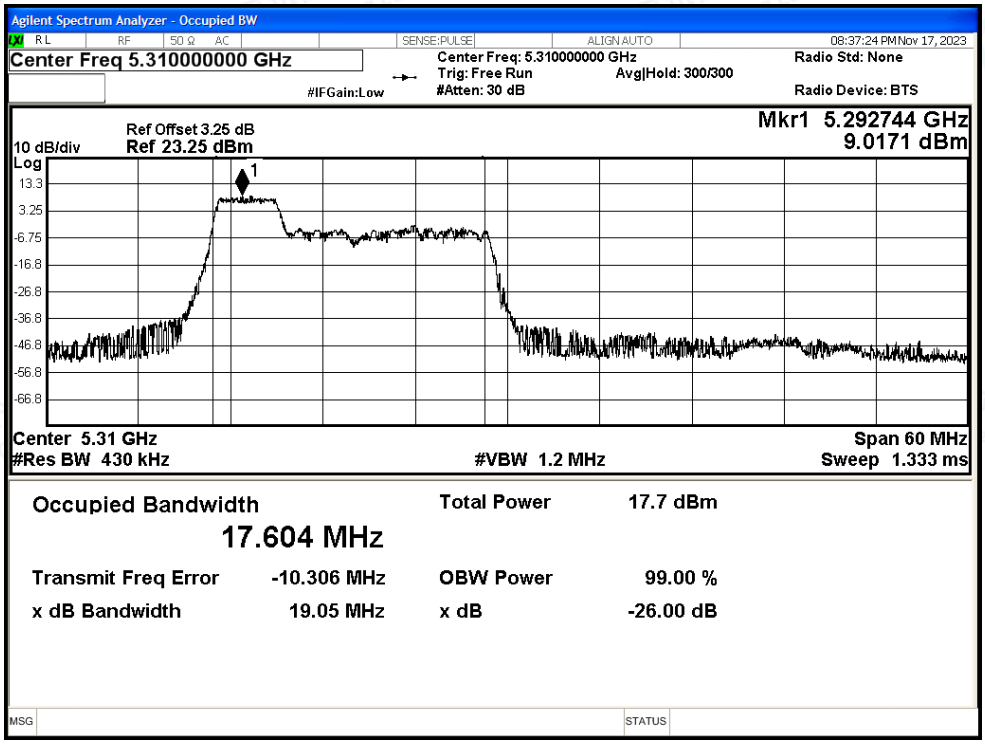
OBW NVNT ax20 5320MHz Ant0



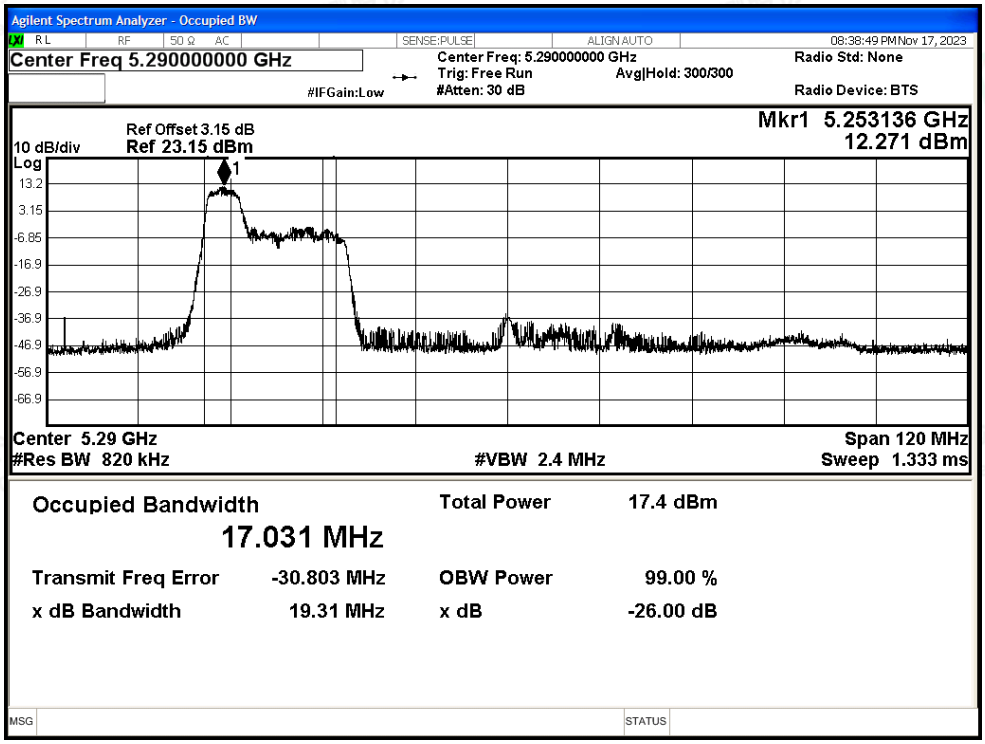
OBW NVNT ax40 5270MHz Ant0



OBW NVNT ax40 5310MHz Ant0



OBW NVNT ax80 5290MHz Ant0

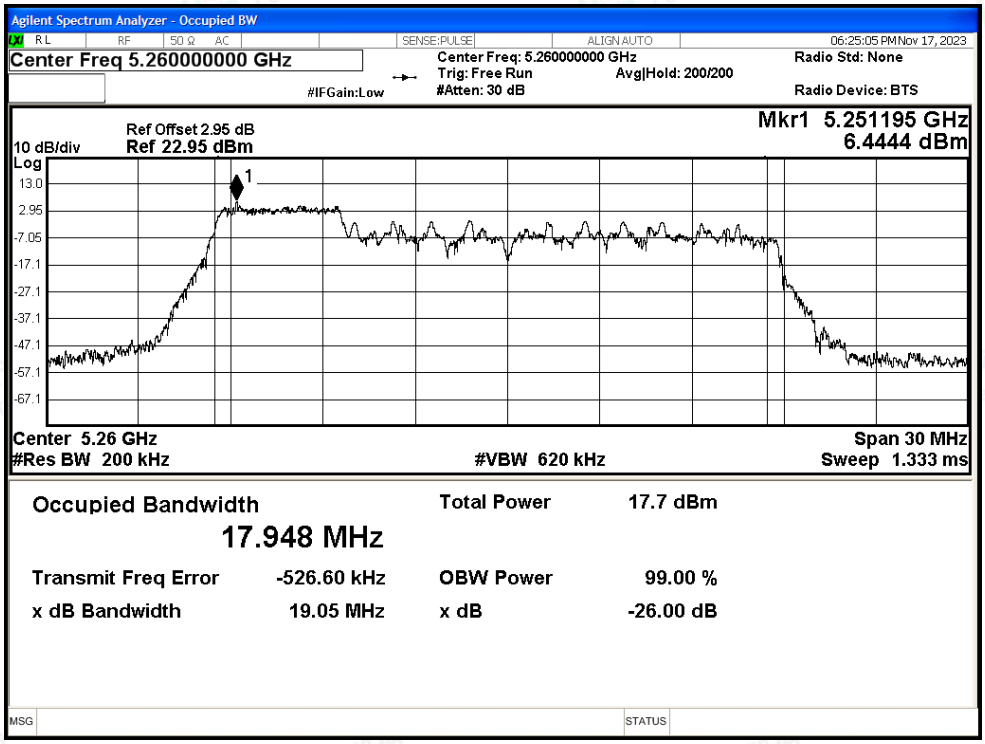


Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)

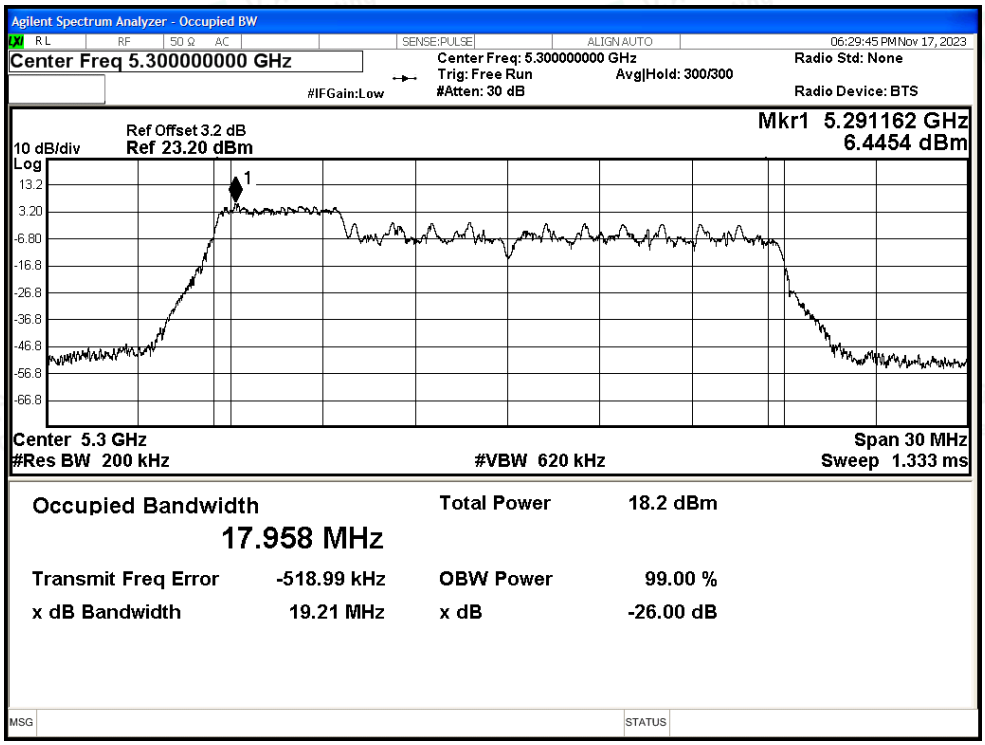
NVNT	ax20	5260	Ant1	17.948
NVNT	ax20	5300	Ant1	17.958
NVNT	ax20	5320	Ant1	17.973
NVNT	ax40	5270	Ant1	17.597
NVNT	ax40	5310	Ant1	17.461
NVNT	ax80	5290	Ant1	17.069

Test Graphs

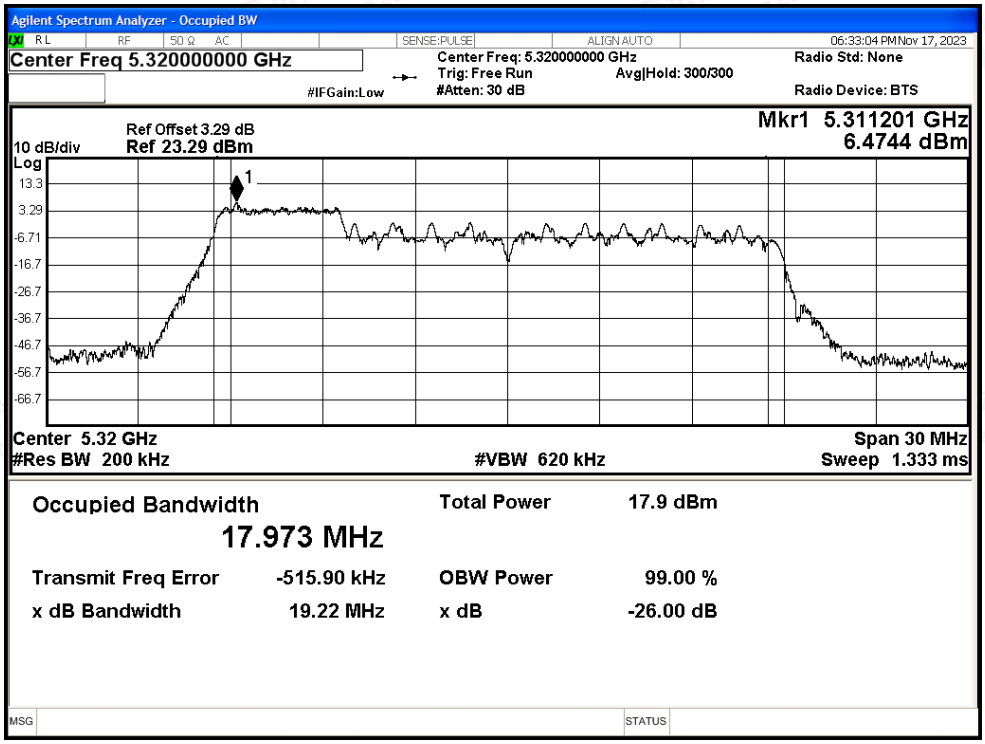
OBW NVNT ax20 5260MHz Ant1



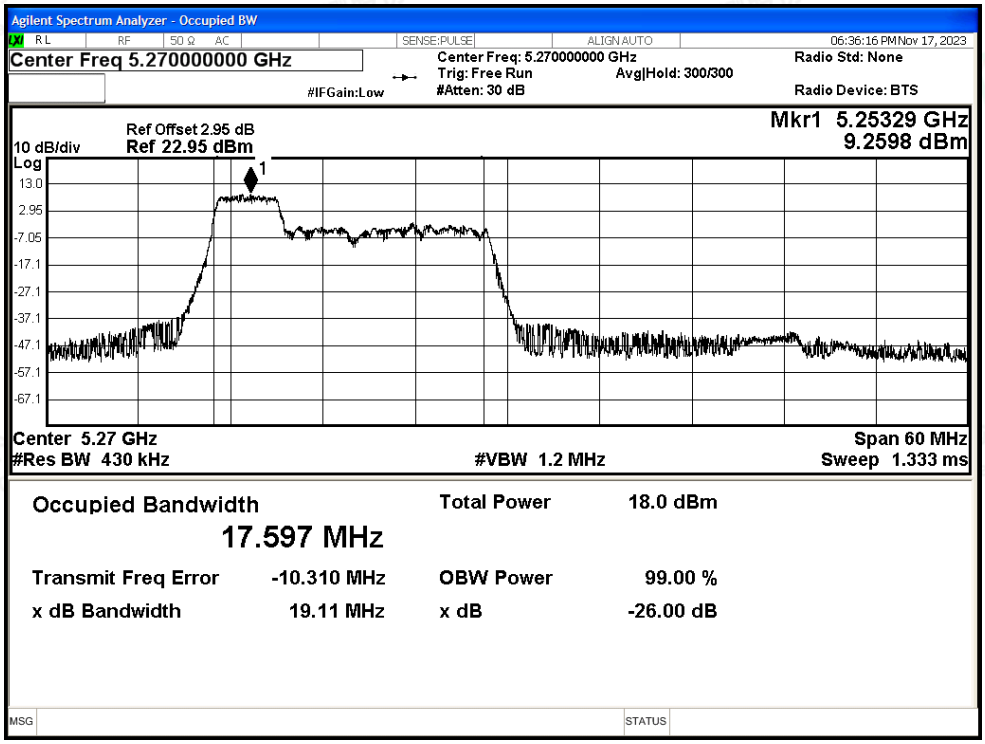
OBW NVNT ax20 5300MHz Ant1



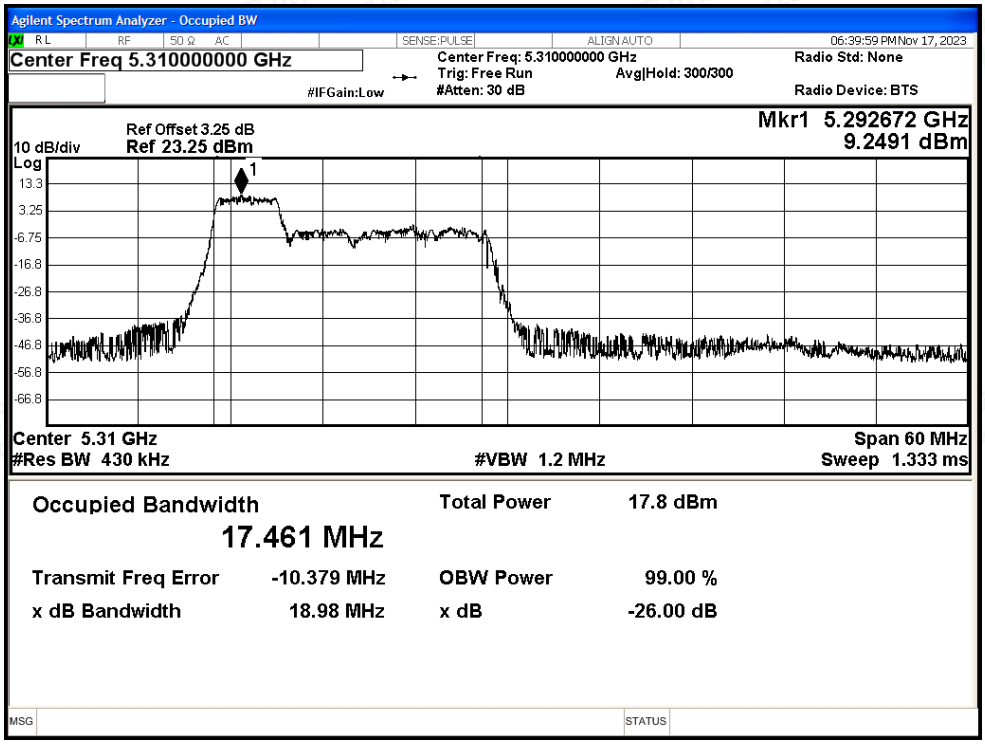
OBW NVNT ax20 5320MHz Ant1



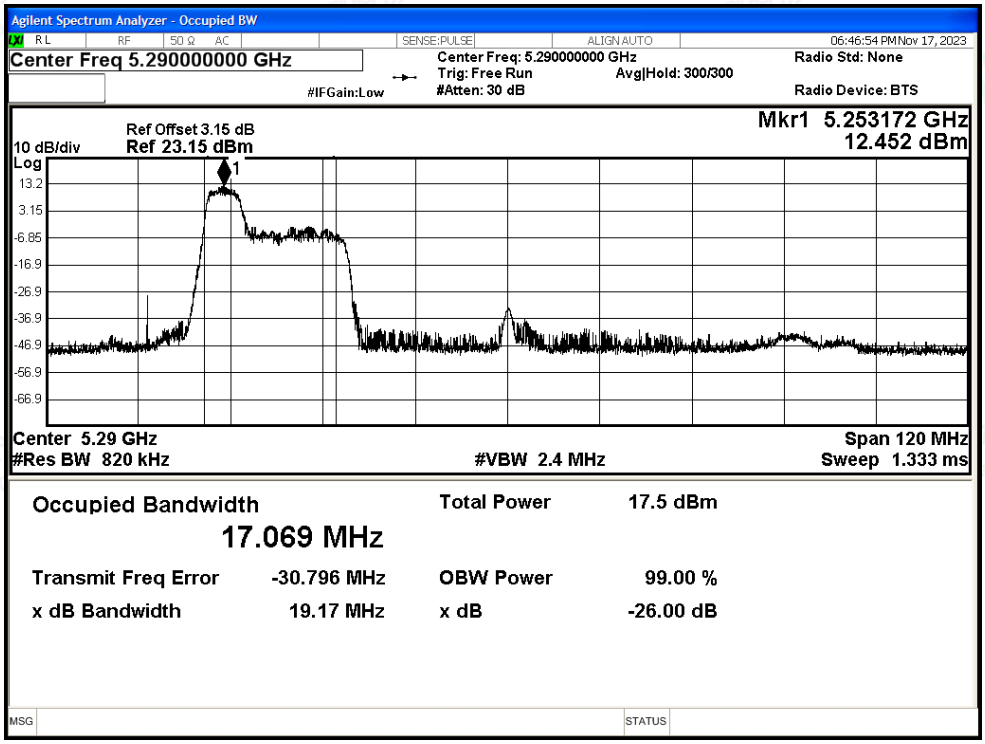
OBW NVNT ax40 5270MHz Ant1



OBW NVNT ax40 5310MHz Ant1



OBW NVNT ax80 5290MHz Ant1

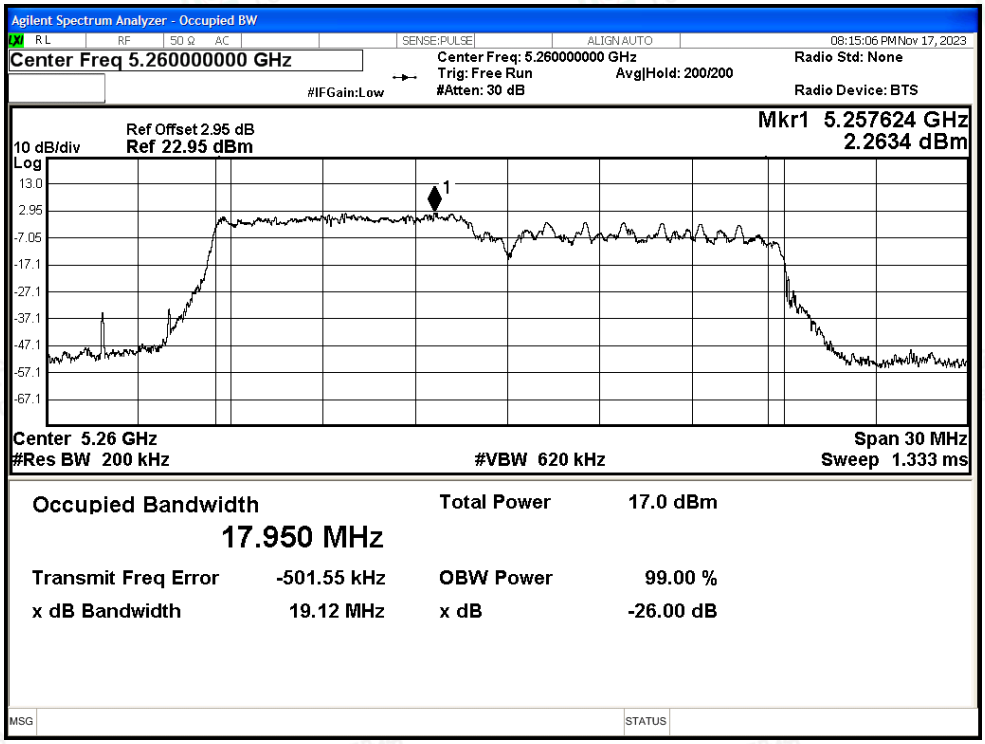


802.11ax OFDMA-(106 Tone)

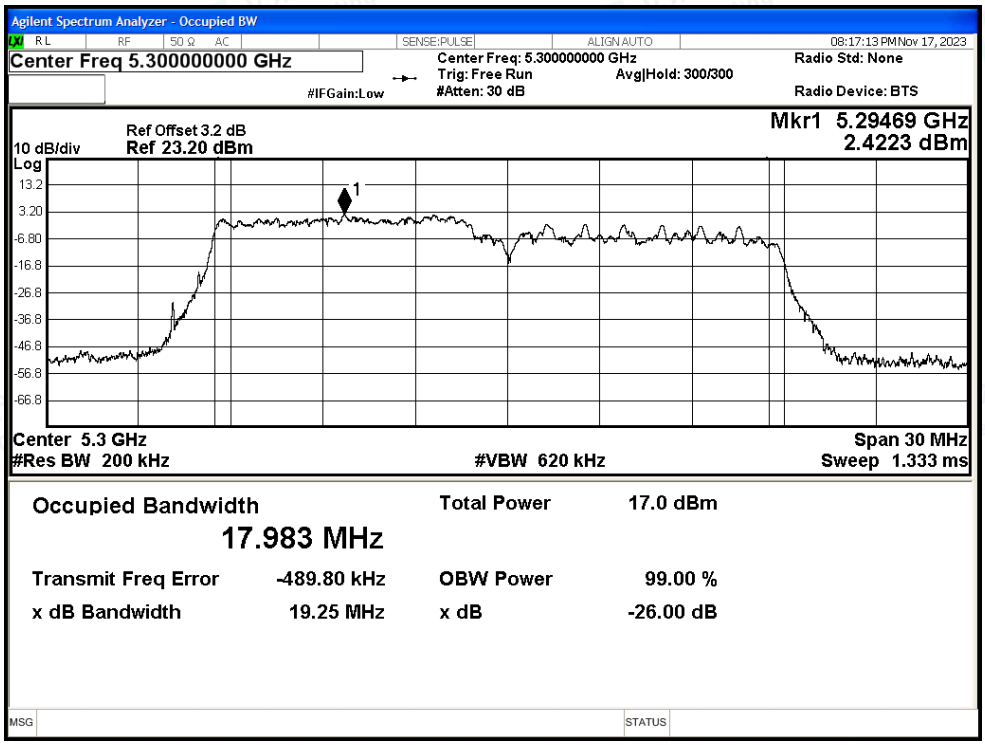
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax20	5260	Ant0	17.95
NVNT	ax20	5300	Ant0	17.983
NVNT	ax20	5320	Ant0	17.964
NVNT	ax40	5270	Ant0	17.497
NVNT	ax40	5310	Ant0	17.511
NVNT	ax80	5290	Ant0	17.403

Test Graphs

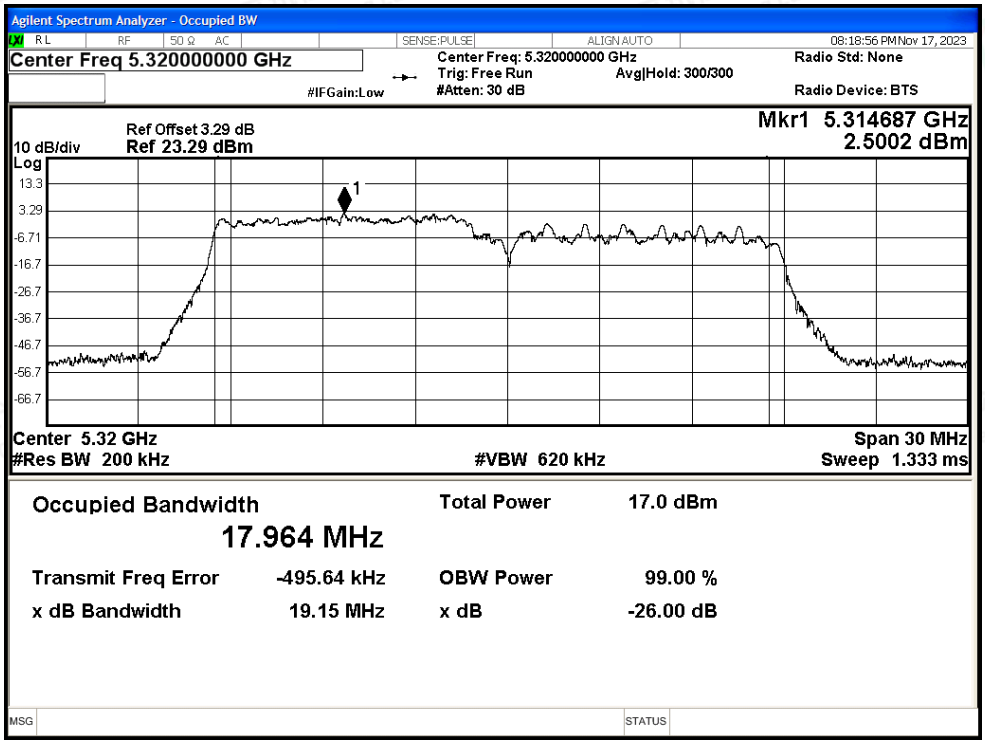
OBW NVNT ax20 5260MHz Ant0



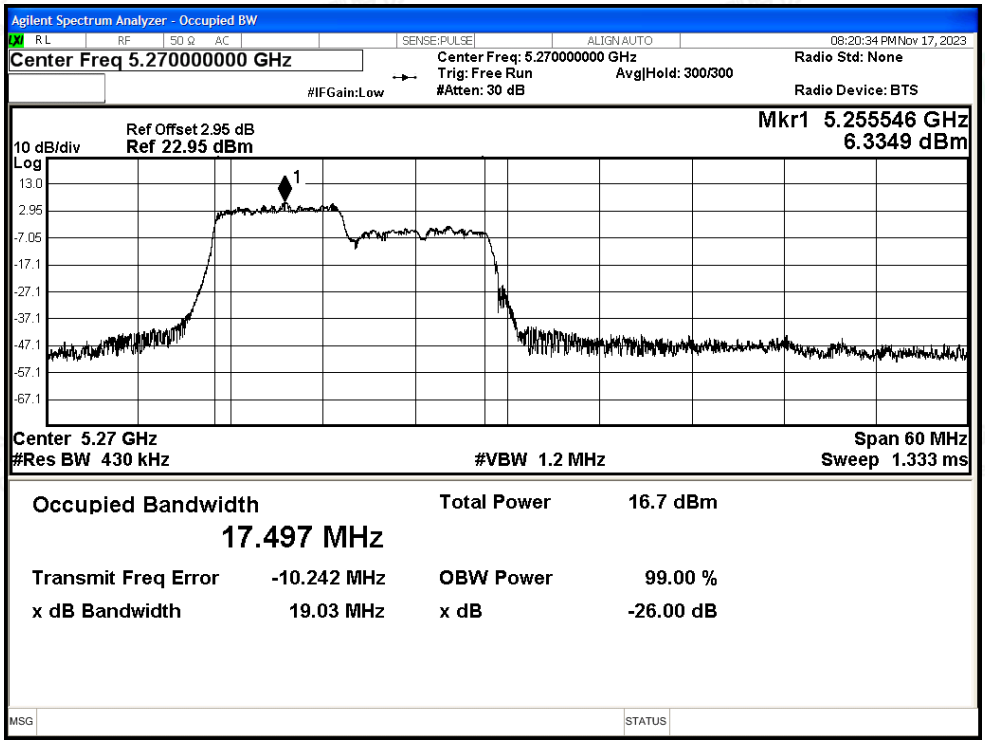
OBW NVNT ax20 5300MHz Ant0



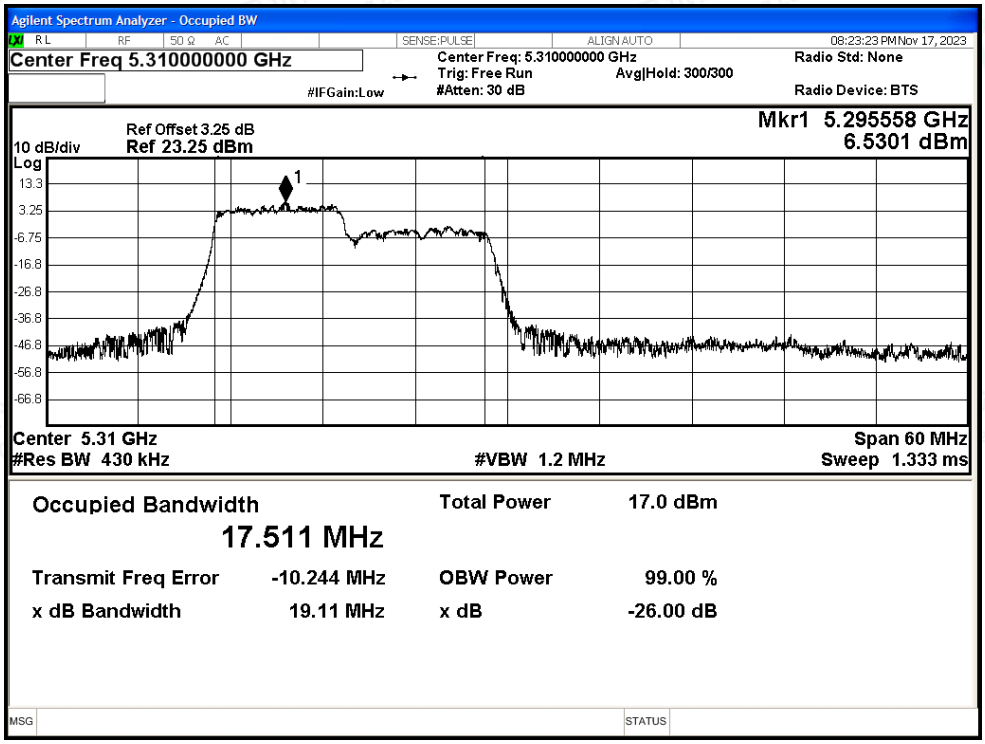
OBW NVNT ax20 5320MHz Ant0



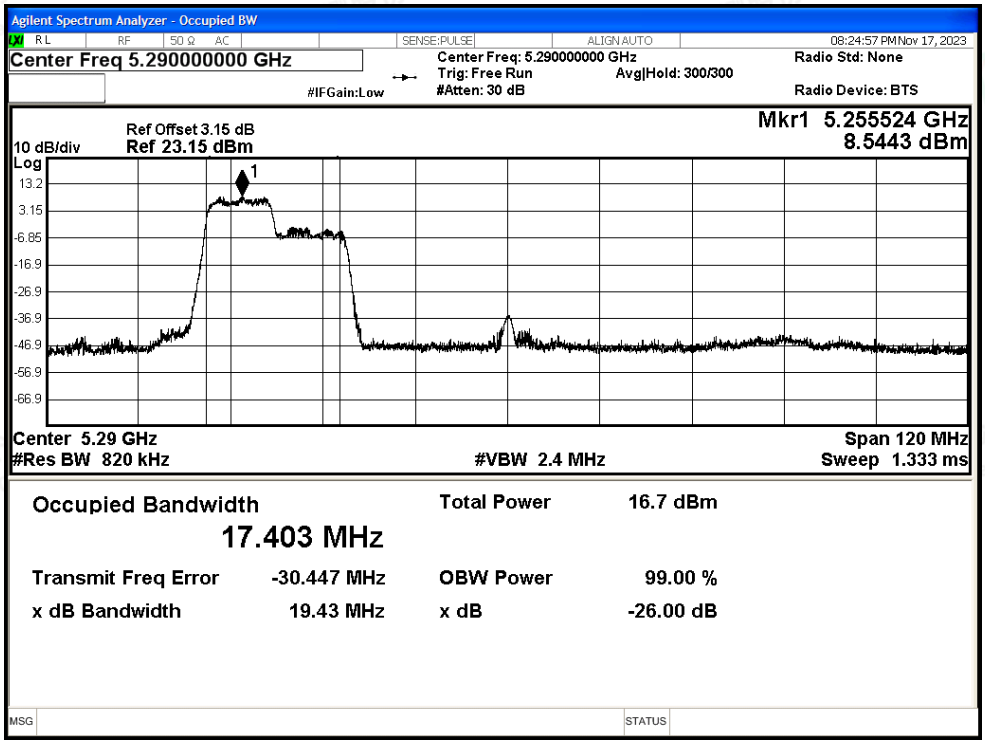
OBW NVNT ax40 5270MHz Ant0



OBW NVNT ax40 5310MHz Ant0



OBW NVNT ax80 5290MHz Ant0



Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)