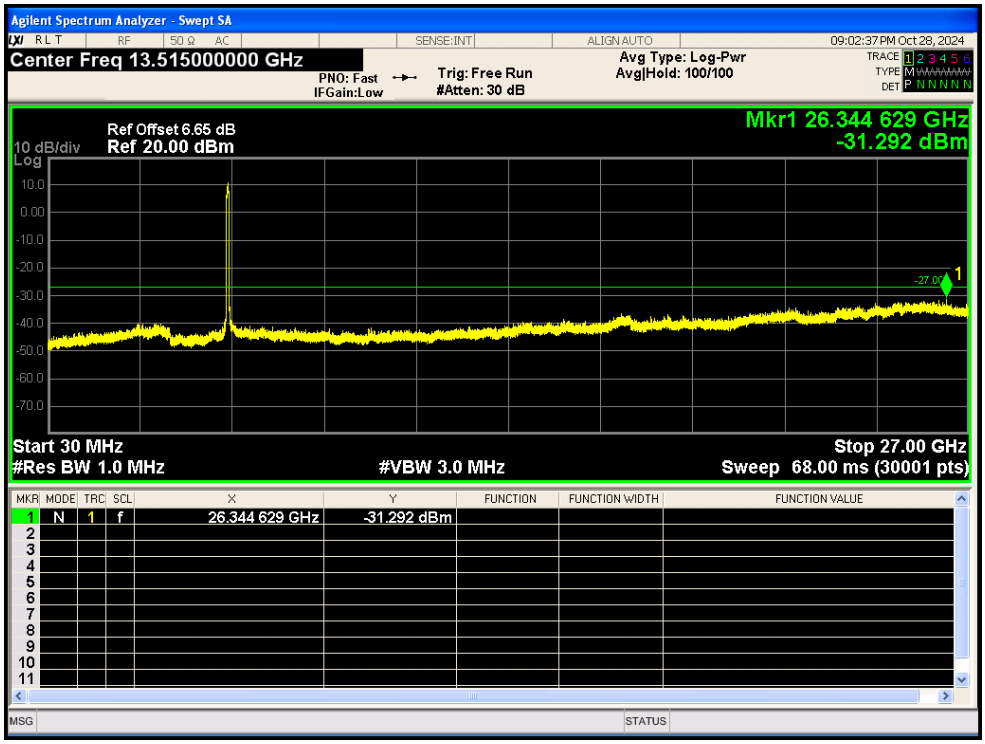
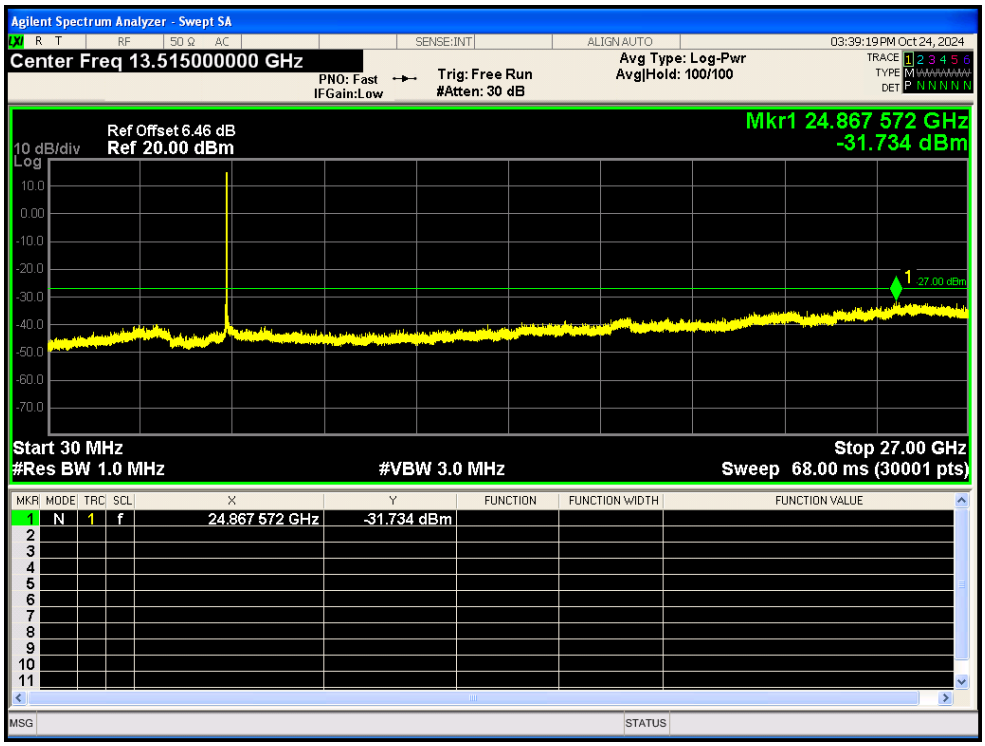
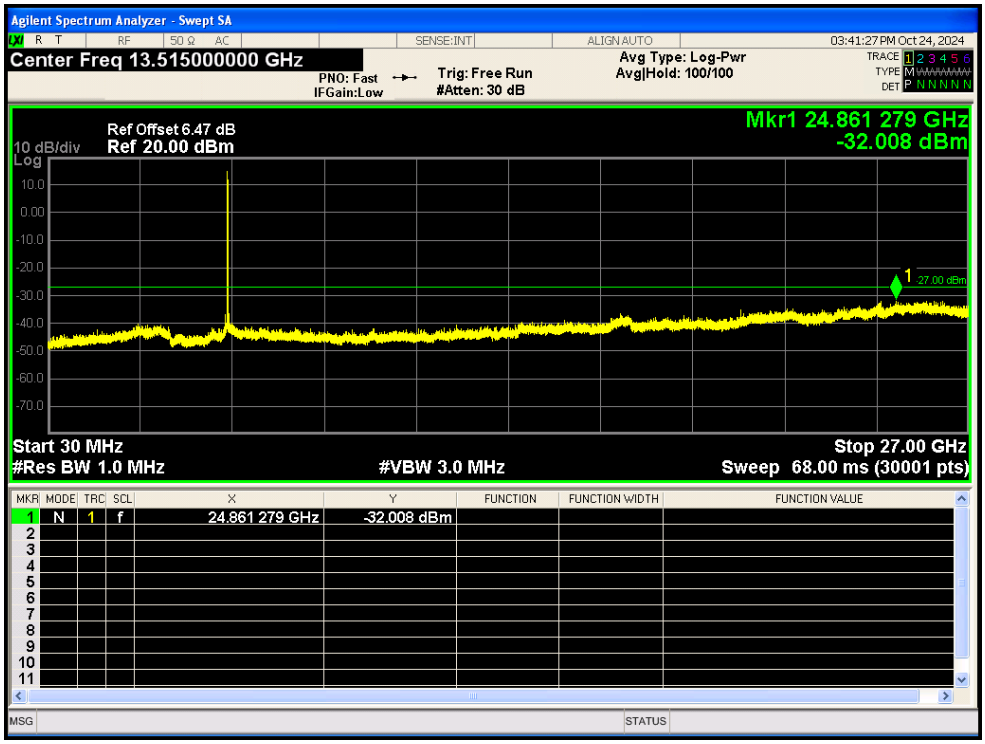


Tx. Spurious NVNT n20 5260MHz Ant1 Emission



Tx. Spurious NVNT n20 5280MHz Ant1 Emission



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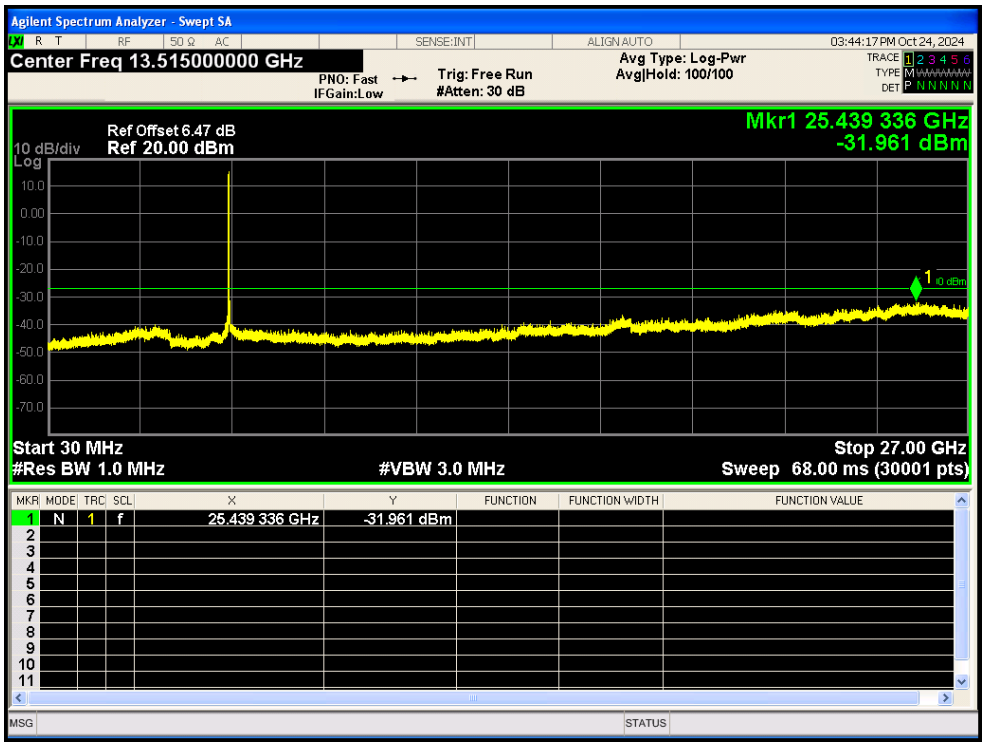

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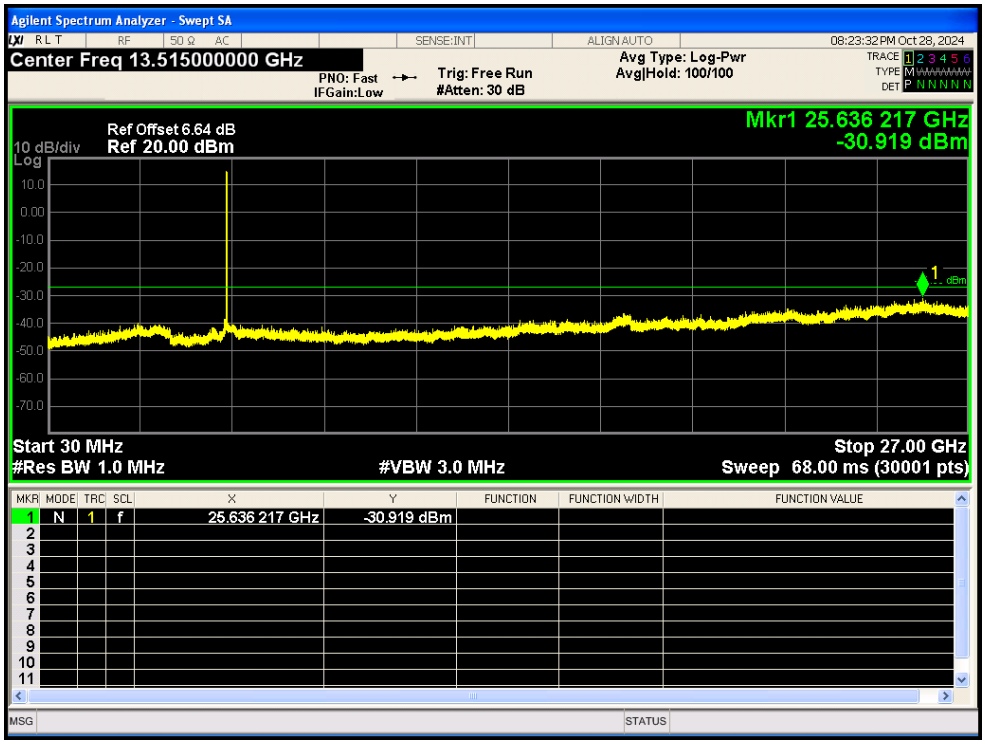

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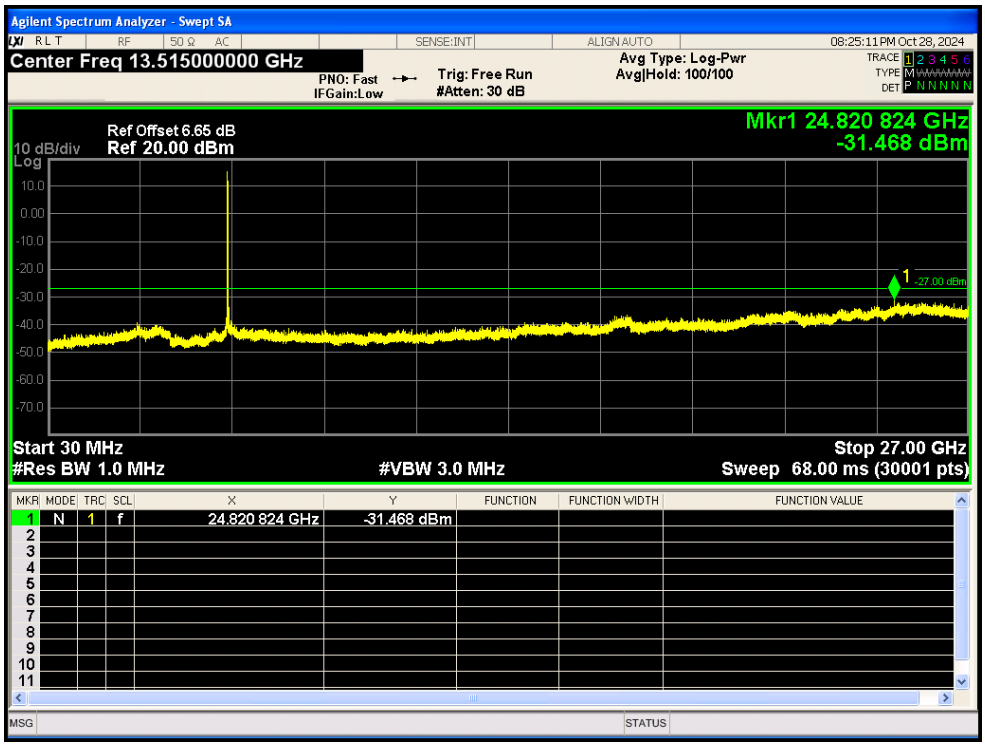

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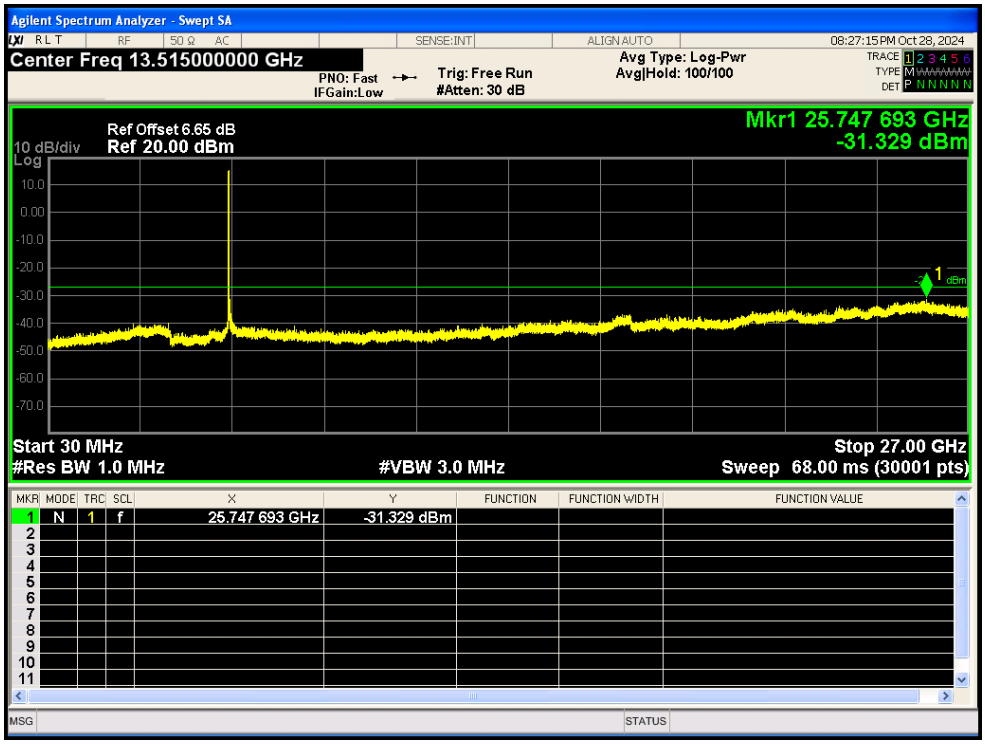
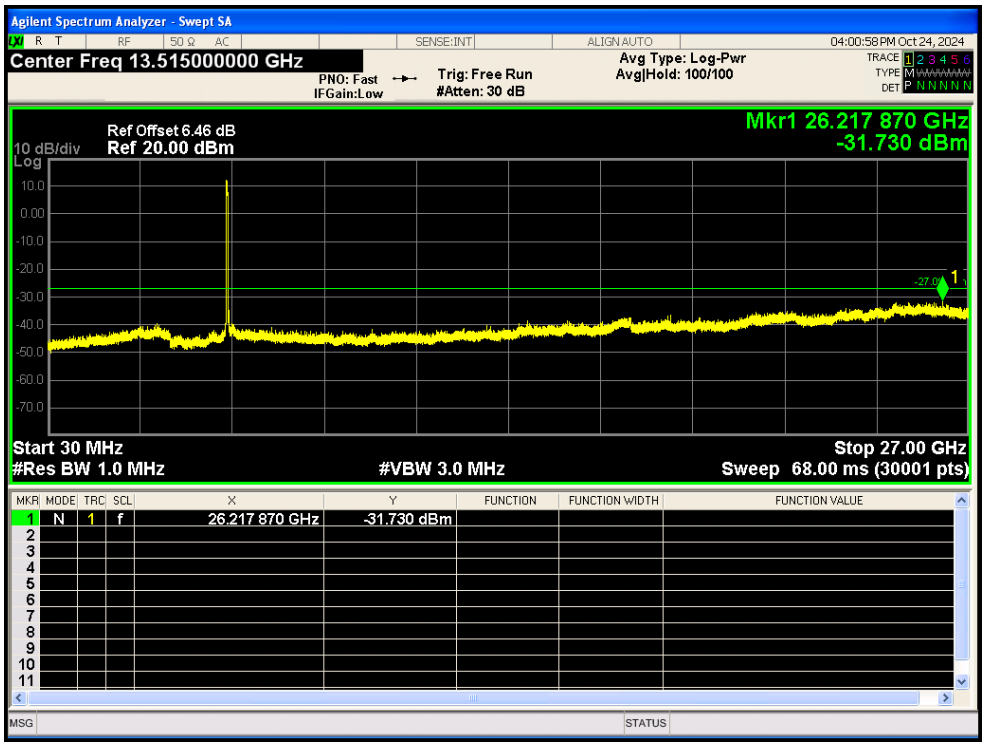


Tx. Spurious NVNT n40 5270MHz Ant1 Emission



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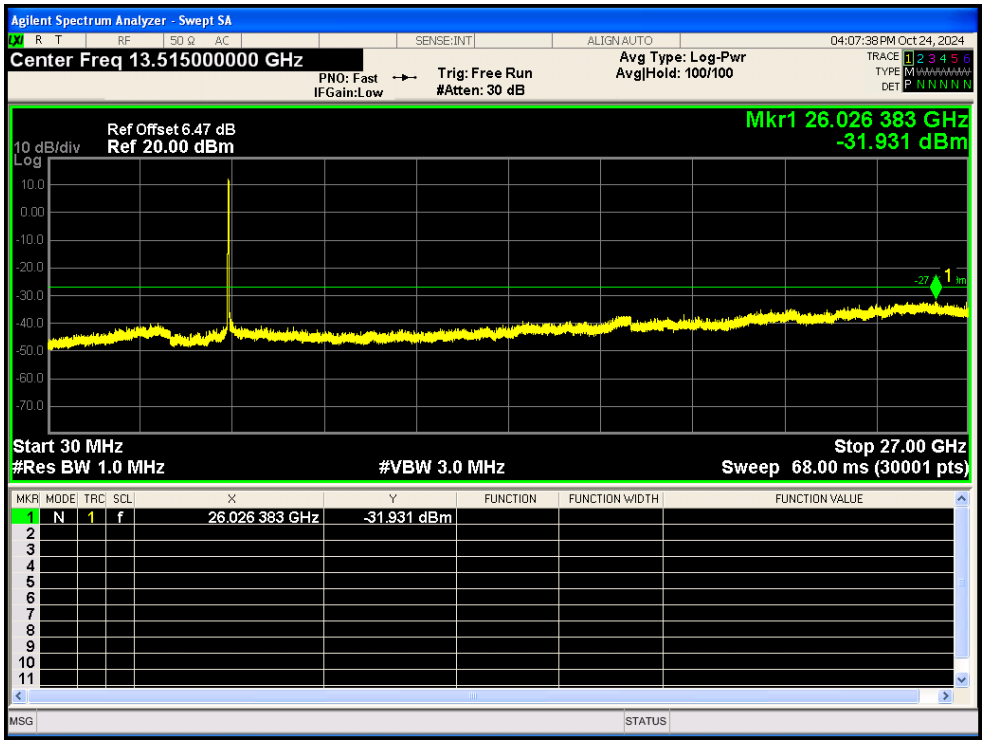

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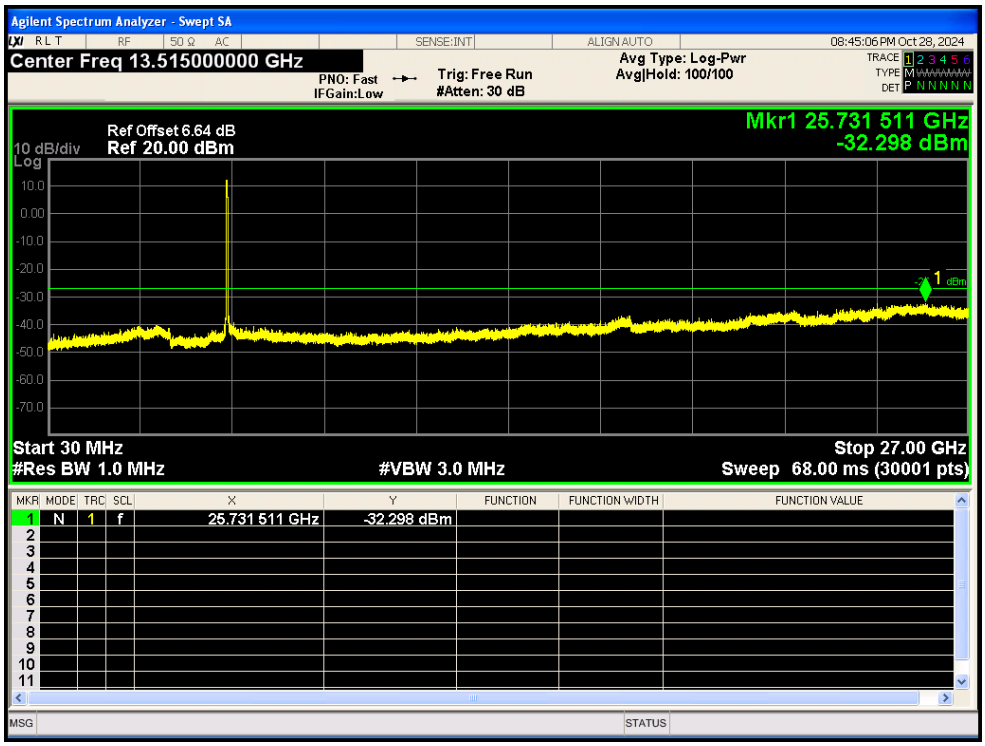
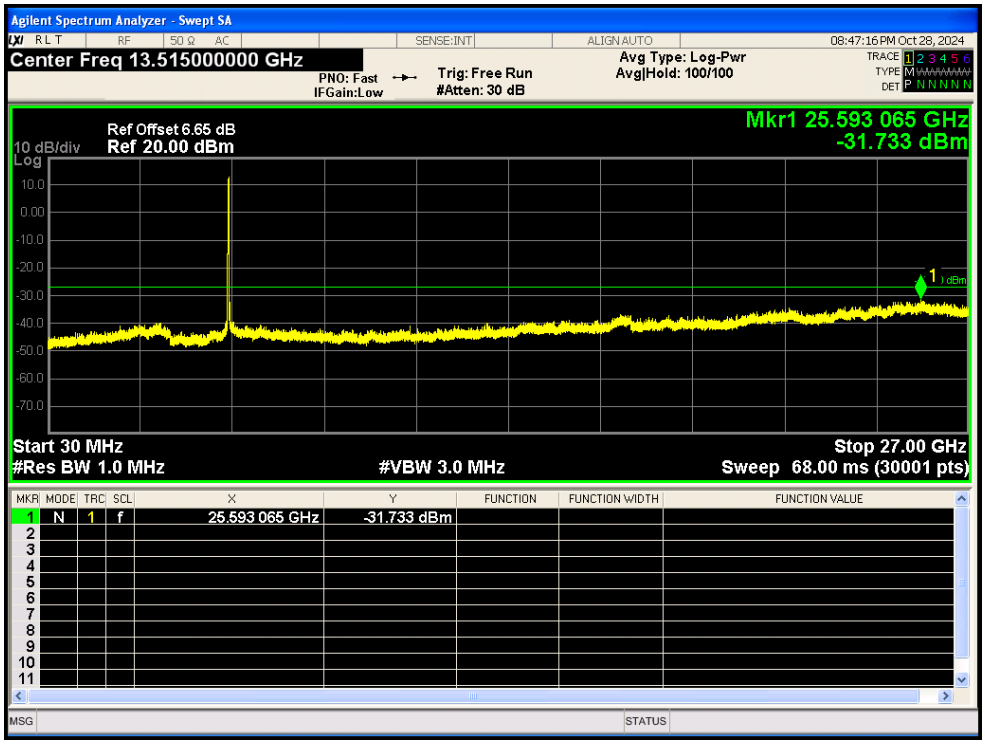


Tx. Spurious NVNT n40 5310MHz Ant2 Emission


Agilent Spectrum Analyzer - Swept SA
RLT
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:47:16 PM Oct 28, 2024
Center Freq 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE M
DET P N N N N N
Ref Offset 6.65 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 25.593 065 GHz
-31.733 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
1 f dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 68.00 ms (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 25.593 065 GHz -31.733 dBm
2
3
4
5
6
7
8
9
10
11
MSG
STATUS

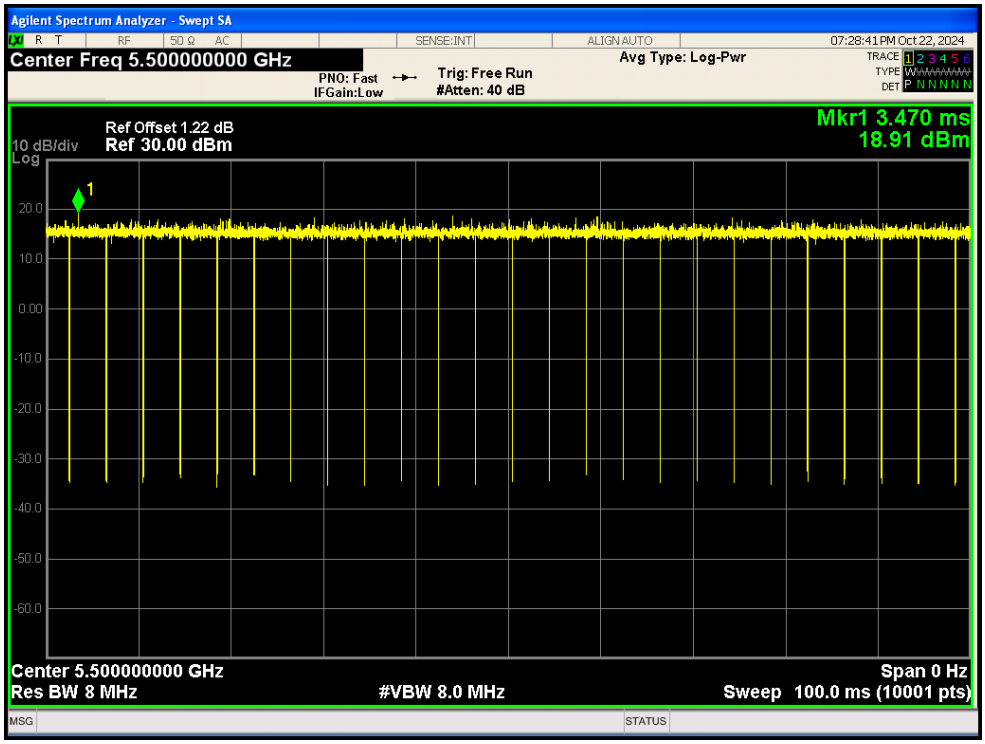
WIFI 5.6G

Duty Cycle

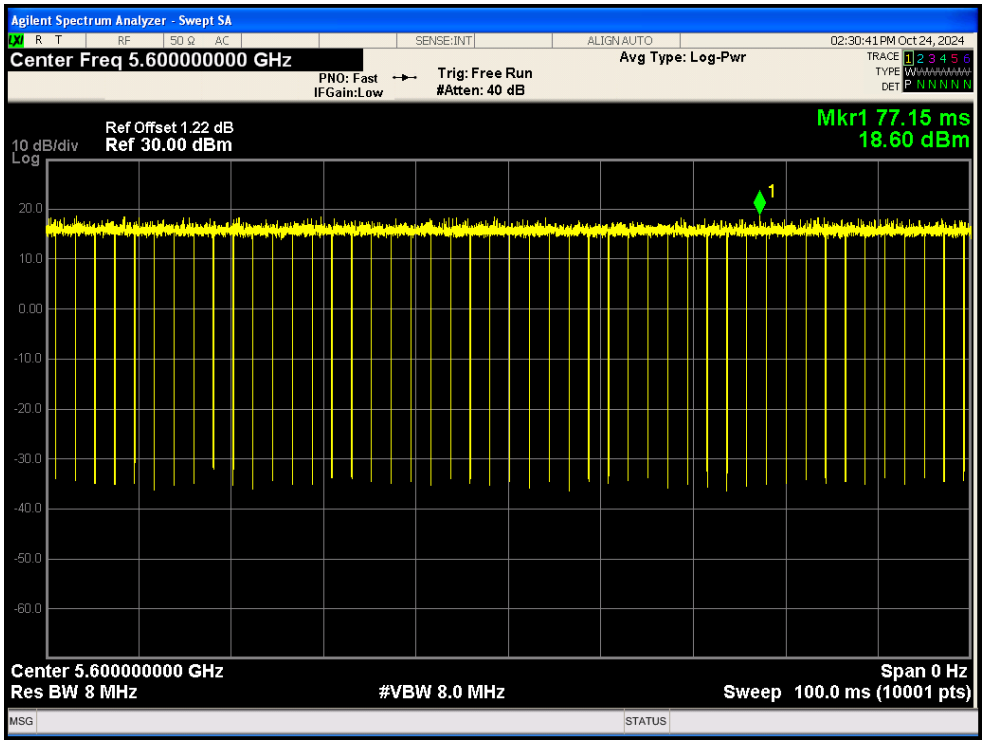
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5500	Ant1	99.08	0.04
NVNT	a	5600	Ant1	98.31	0.07
NVNT	a	5700	Ant1	98.33	0.07
NVNT	a	5500	Ant2	98.36	0.07
NVNT	a	5600	Ant2	98.32	0.07
NVNT	a	5700	Ant2	98.33	0.07
NVNT	ac20	5500	Ant1	99.09	0.04
NVNT	ac20	5600	Ant1	99.07	0.04
NVNT	ac20	5700	Ant1	99.1	0.04
NVNT	ac20	5500	Ant2	99.08	0.04
NVNT	ac20	5600	Ant2	99.05	0.04
NVNT	ac20	5700	Ant2	99.09	0.04
NVNT	ac40	5510	Ant1	99.08	0.04
NVNT	ac40	5590	Ant1	99.07	0.04
NVNT	ac40	5670	Ant1	99.08	0.04
NVNT	ac40	5510	Ant2	99.08	0.04
NVNT	ac40	5590	Ant2	99.09	0.04
NVNT	ac40	5670	Ant2	99.08	0.04
NVNT	ac80	5530	Ant1	99.12	0.04
NVNT	ac80	5610	Ant1	99.08	0.04
NVNT	ac80	5530	Ant2	99.08	0.04
NVNT	ac80	5610	Ant2	99.11	0.04
NVNT	ax20	5500	Ant1	99	0.04
NVNT	ax20	5600	Ant1	99.22	0.03
NVNT	ax20	5700	Ant1	99.25	0.03
NVNT	ax20	5500	Ant2	99	0.04
NVNT	ax20	5600	Ant2	99	0.04
NVNT	ax20	5700	Ant2	99.04	0.04
NVNT	ax40	5510	Ant1	99.09	0.04
NVNT	ax40	5590	Ant1	99.02	0.04
NVNT	ax40	5670	Ant1	99	0.04
NVNT	ax40	5510	Ant2	99.22	0.03
NVNT	ax40	5590	Ant2	99.12	0.04
NVNT	ax40	5670	Ant2	99.13	0.04
NVNT	ax80	5530	Ant1	99.16	0.04
NVNT	ax80	5610	Ant1	99.04	0.04
NVNT	ax80	5530	Ant2	99.09	0.04
NVNT	ax80	5610	Ant2	99.15	0.04

NVNT	n20	5500	Ant1	99.09	0.04
NVNT	n20	5600	Ant1	99.07	0.04
NVNT	n20	5700	Ant1	99.07	0.04
NVNT	n20	5500	Ant2	99.09	0.04
NVNT	n20	5600	Ant2	99.11	0.04
NVNT	n20	5700	Ant2	99.1	0.04
NVNT	n40	5510	Ant1	99.1	0.04
NVNT	n40	5590	Ant1	99.11	0.04
NVNT	n40	5670	Ant1	99.09	0.04
NVNT	n40	5510	Ant2	99.06	0.04
NVNT	n40	5590	Ant2	99.09	0.04
NVNT	n40	5670	Ant2	99.08	0.04

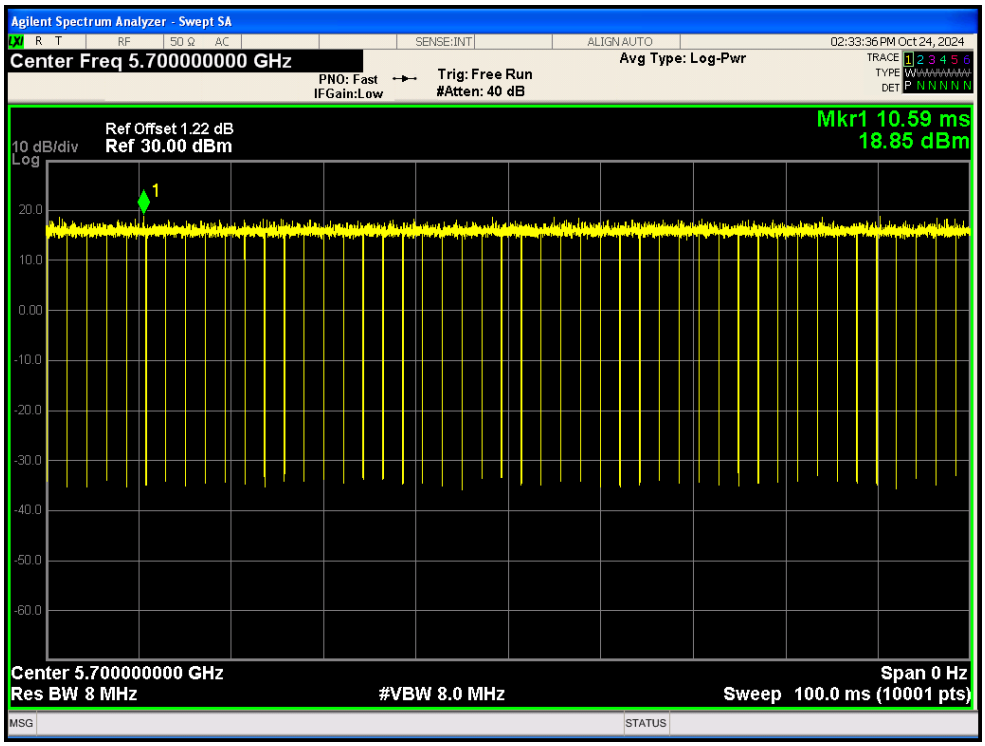
Duty Cycle NVNT a 5500MHz Ant1



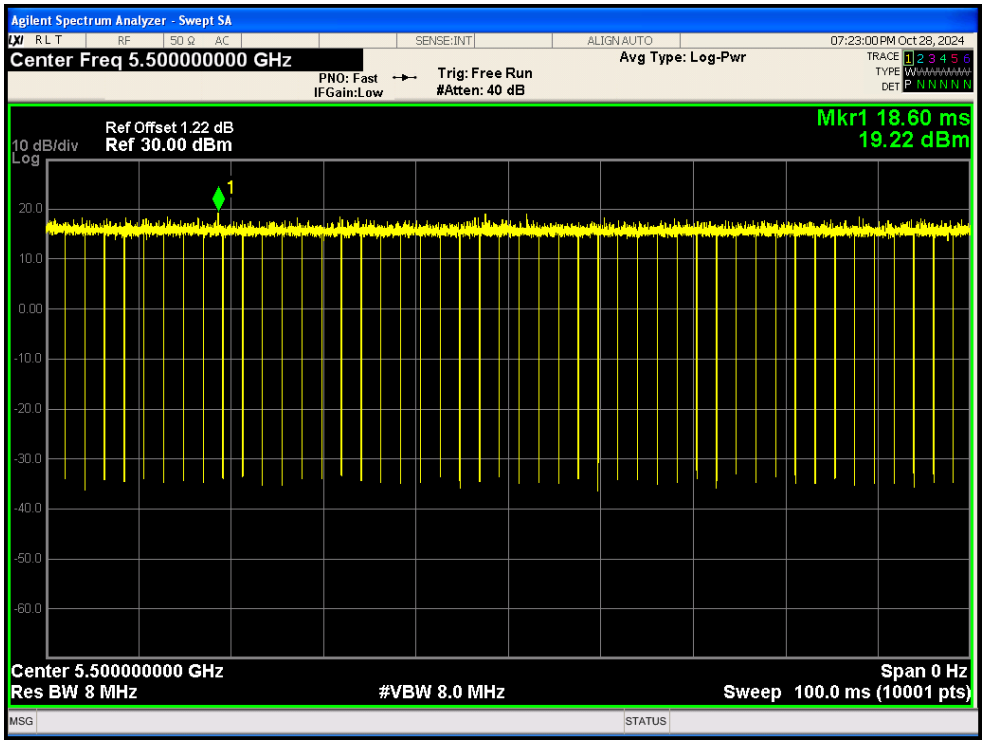
Duty Cycle NVNT a 5600MHz Ant1



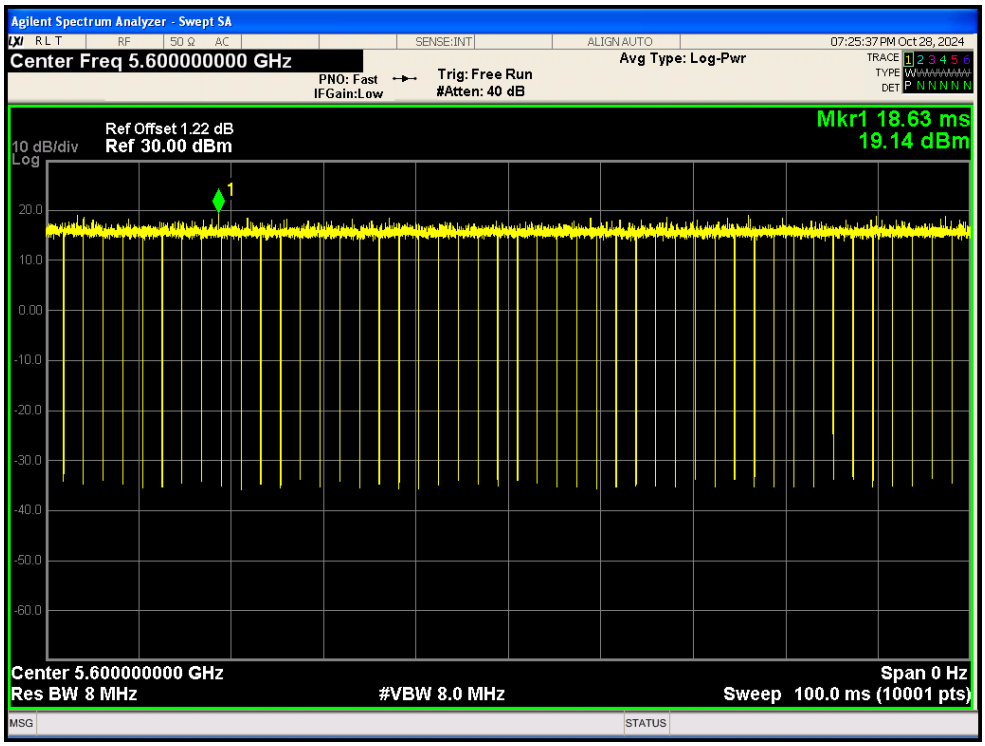
Duty Cycle NVNT a 5700MHz Ant1



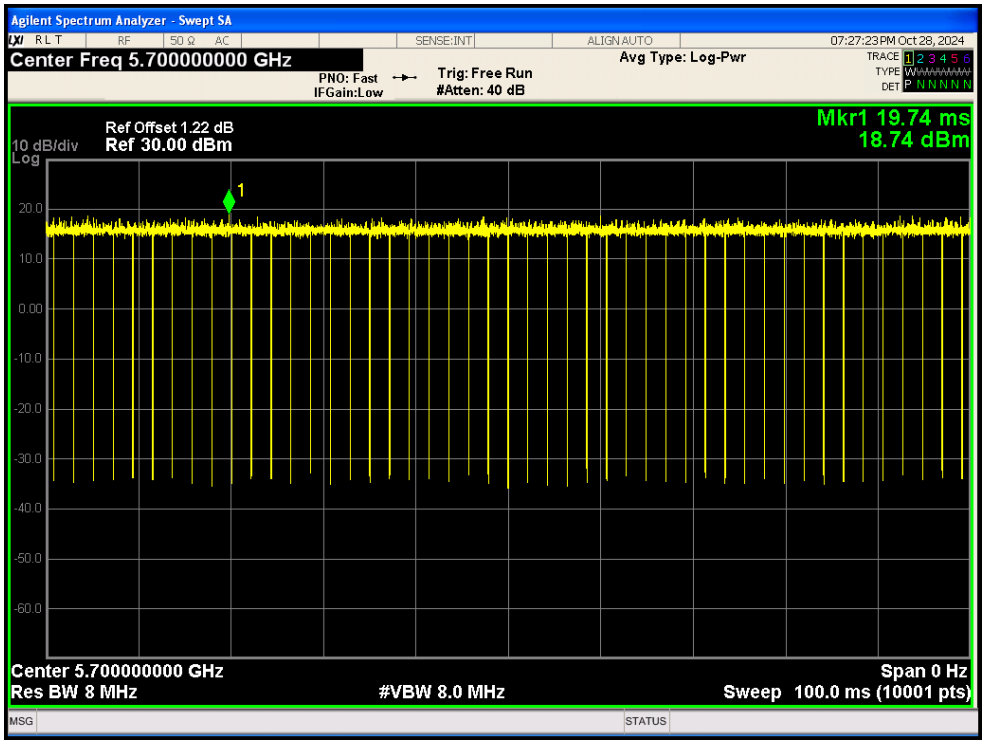
Duty Cycle NVNT a 5500MHz Ant2



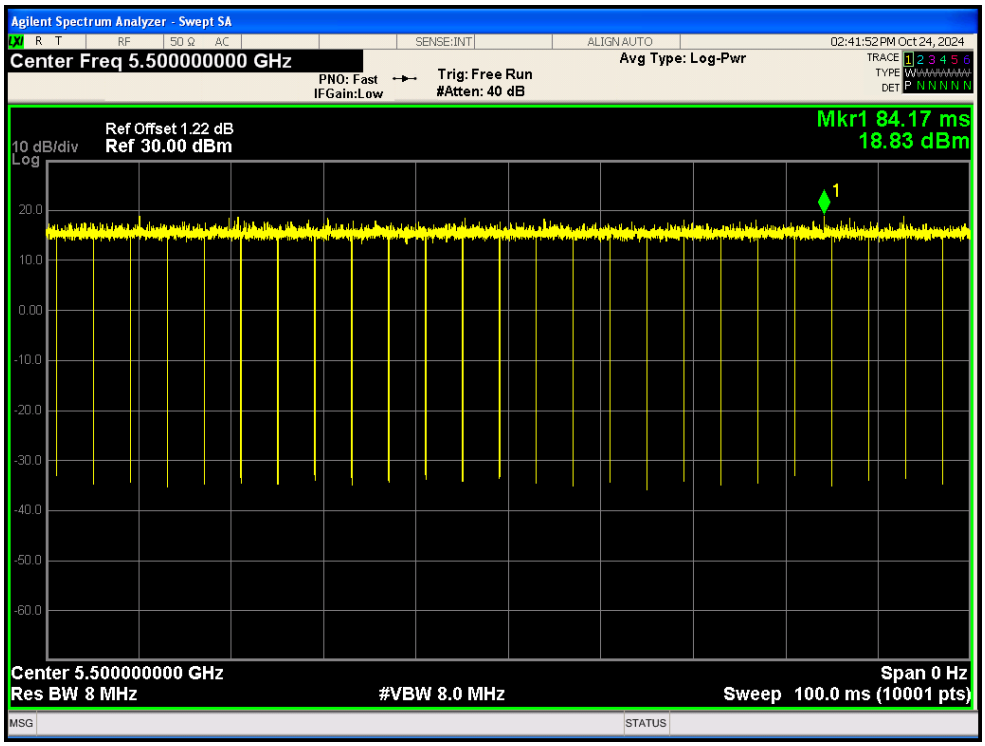
Duty Cycle NVNT a 5600MHz Ant2



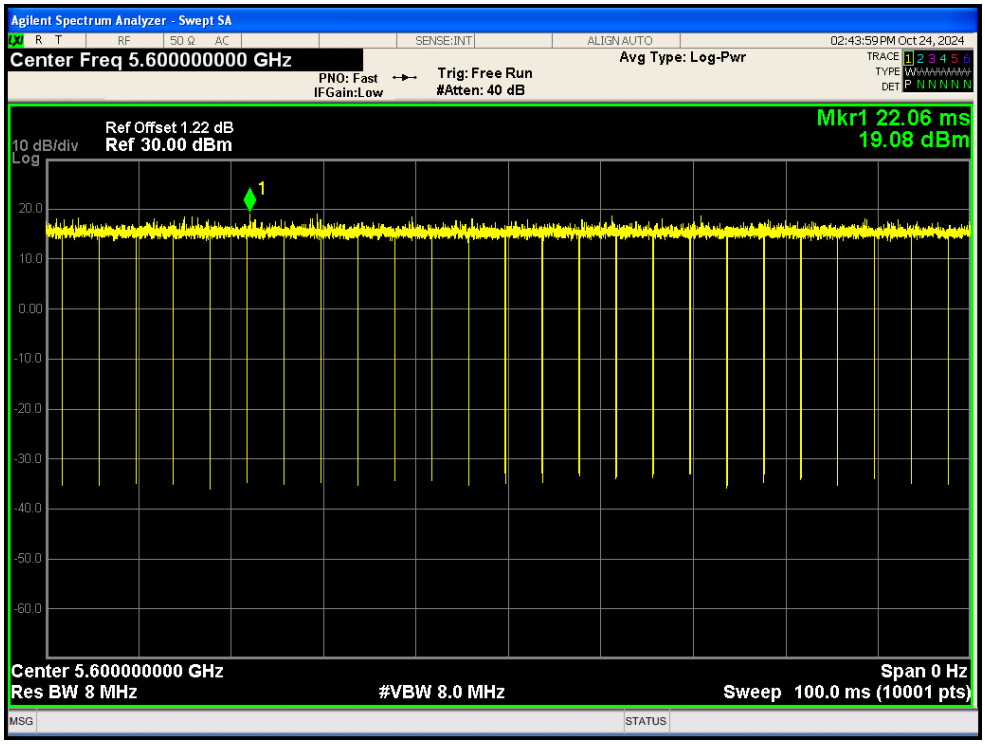
Duty Cycle NVNT a 5700MHz Ant2



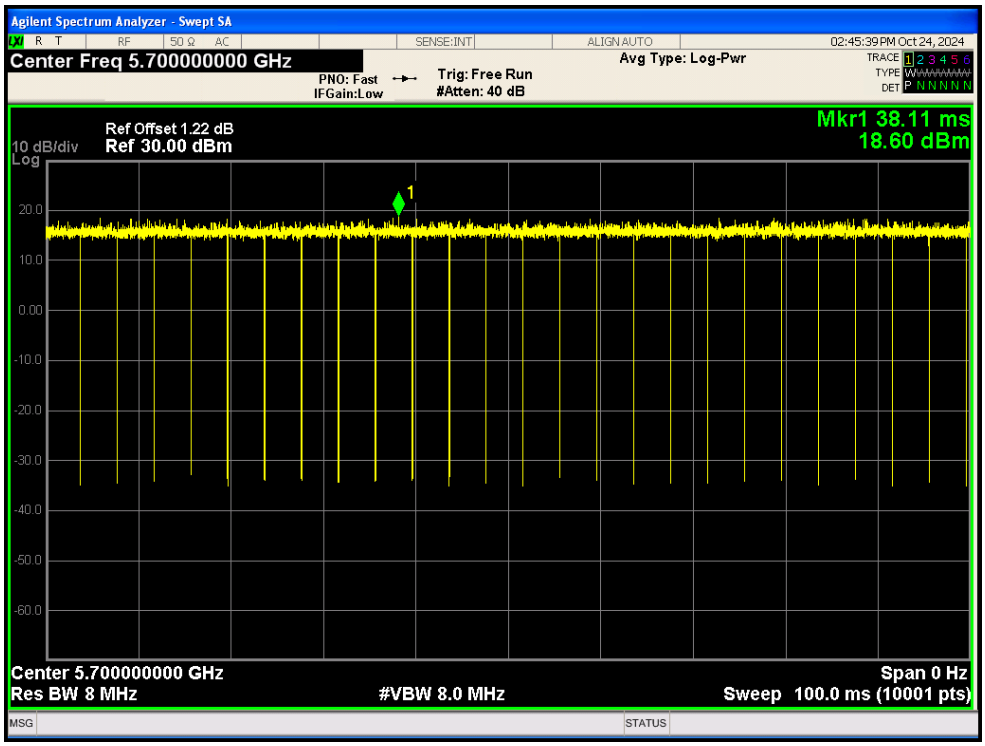
Duty Cycle NVNT ac20 5500MHz Ant1



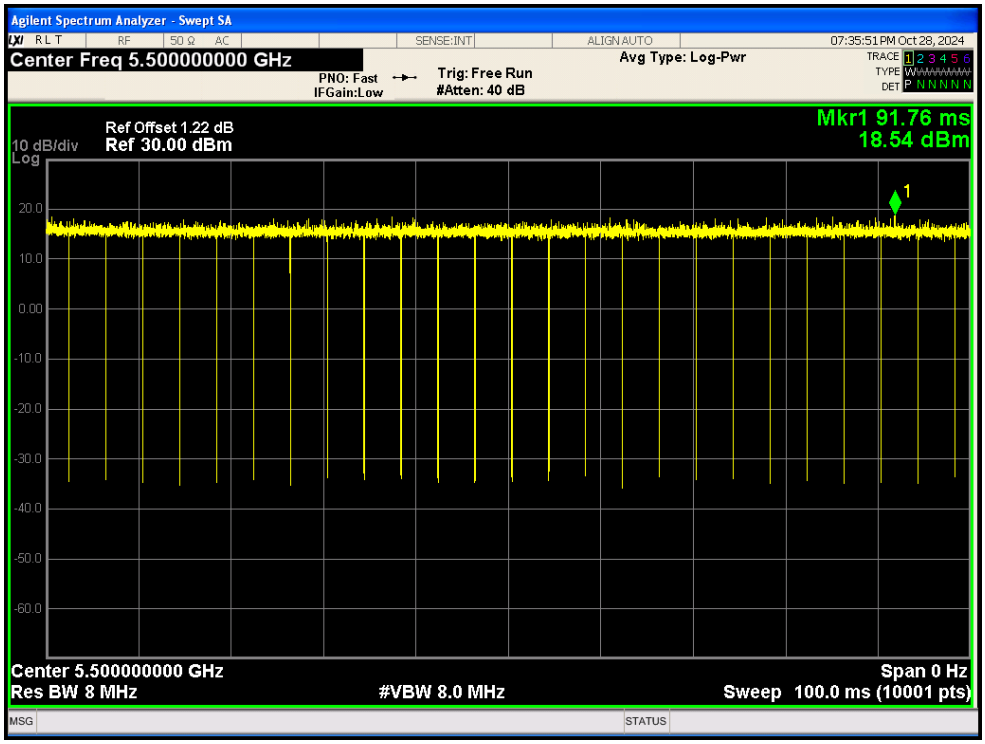
Duty Cycle NVNT ac20 5600MHz Ant1



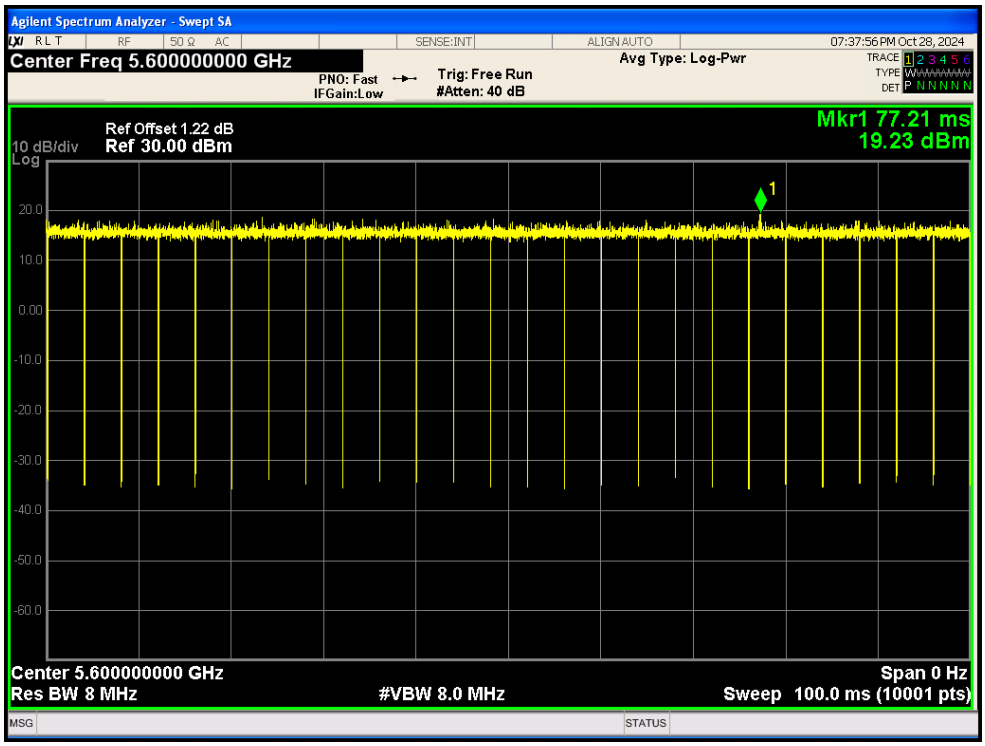
Duty Cycle NVNT ac20 5700MHz Ant1



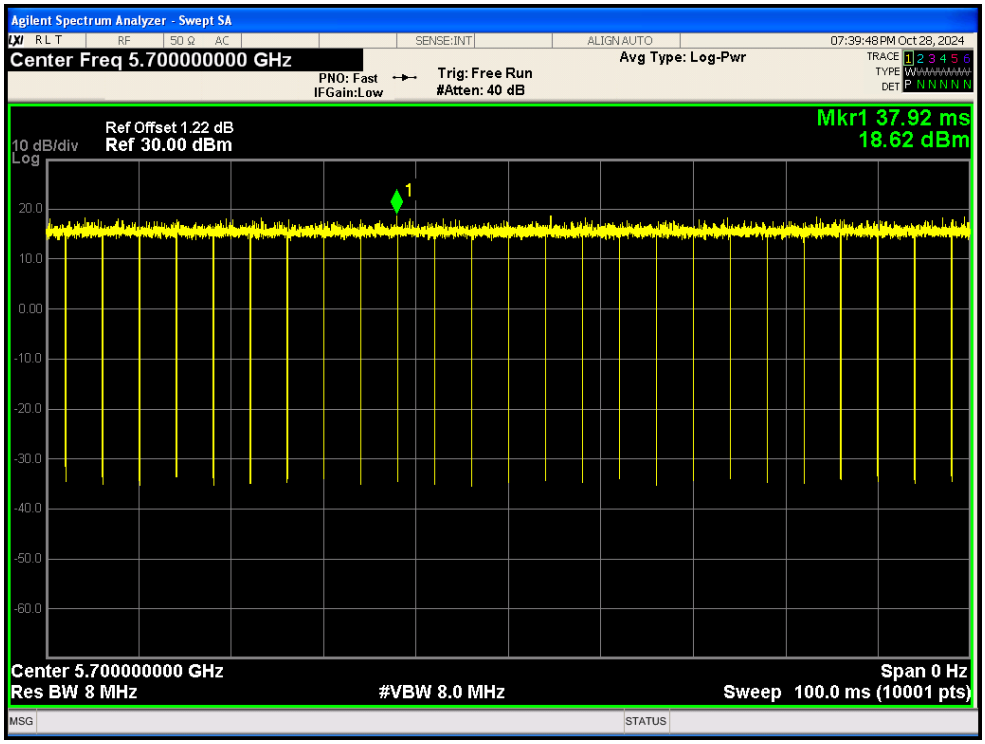
Duty Cycle NVNT ac20 5500MHz Ant2



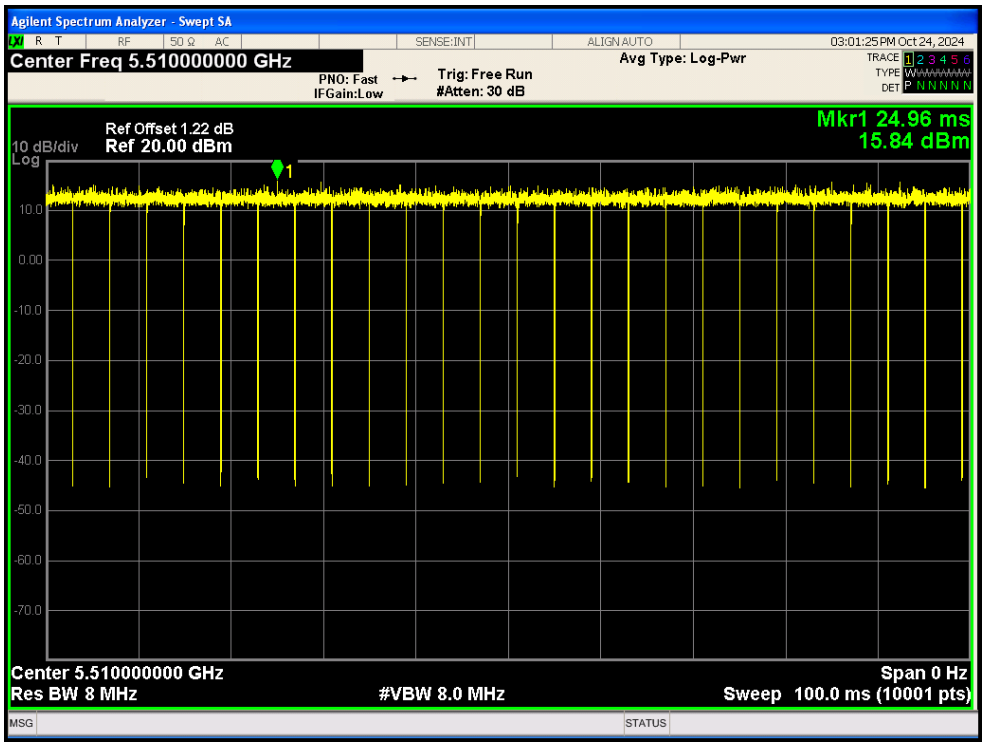
Duty Cycle NVNT ac20 5600MHz Ant2



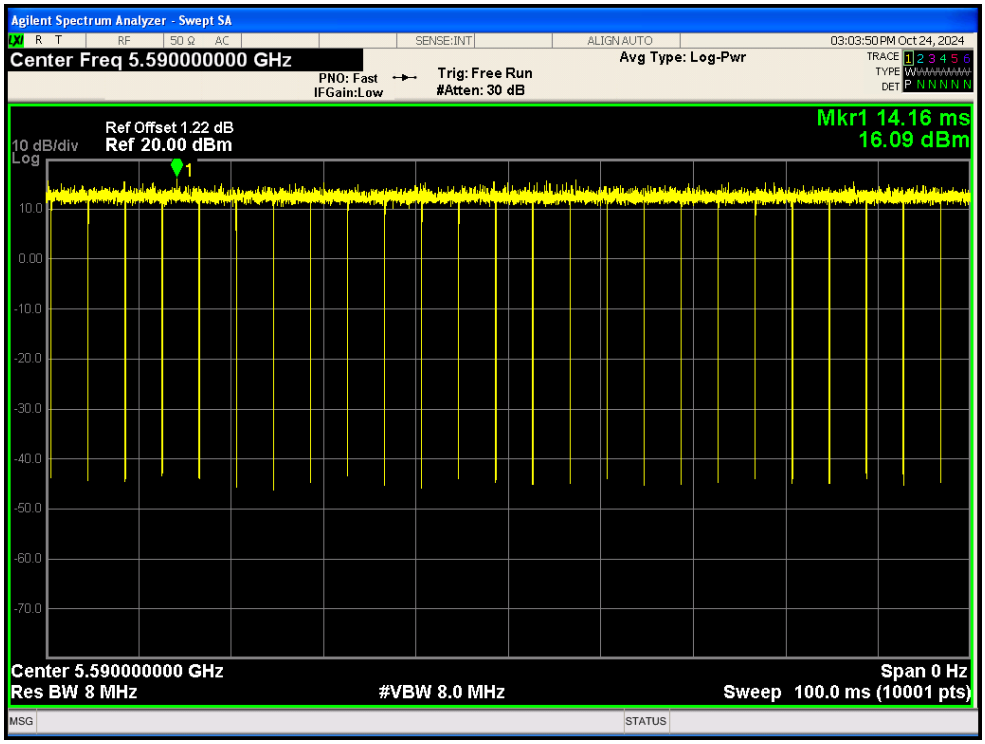
Duty Cycle NVNT ac20 5700MHz Ant2



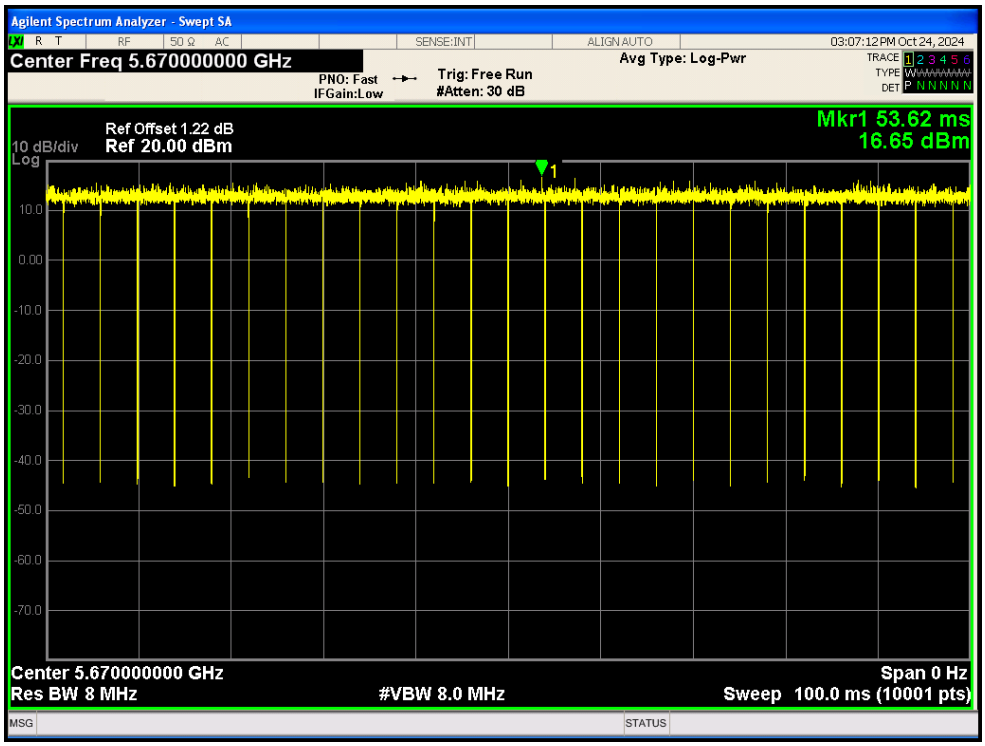
Duty Cycle NVNT ac40 5510MHz Ant1



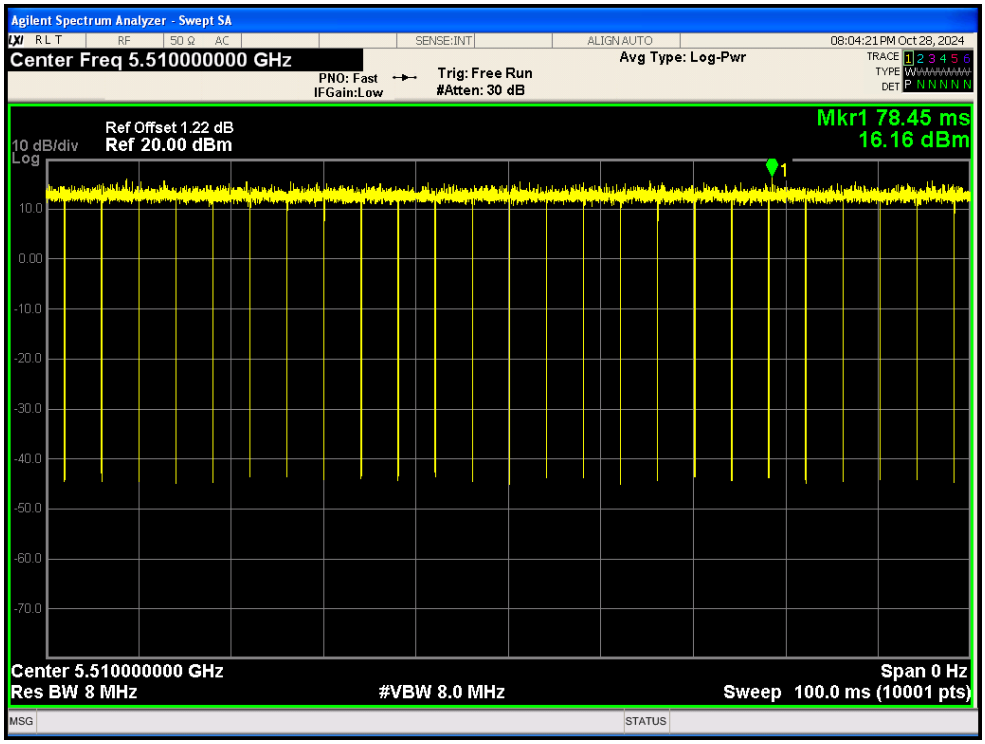
Duty Cycle NVNT ac40 5590MHz Ant1



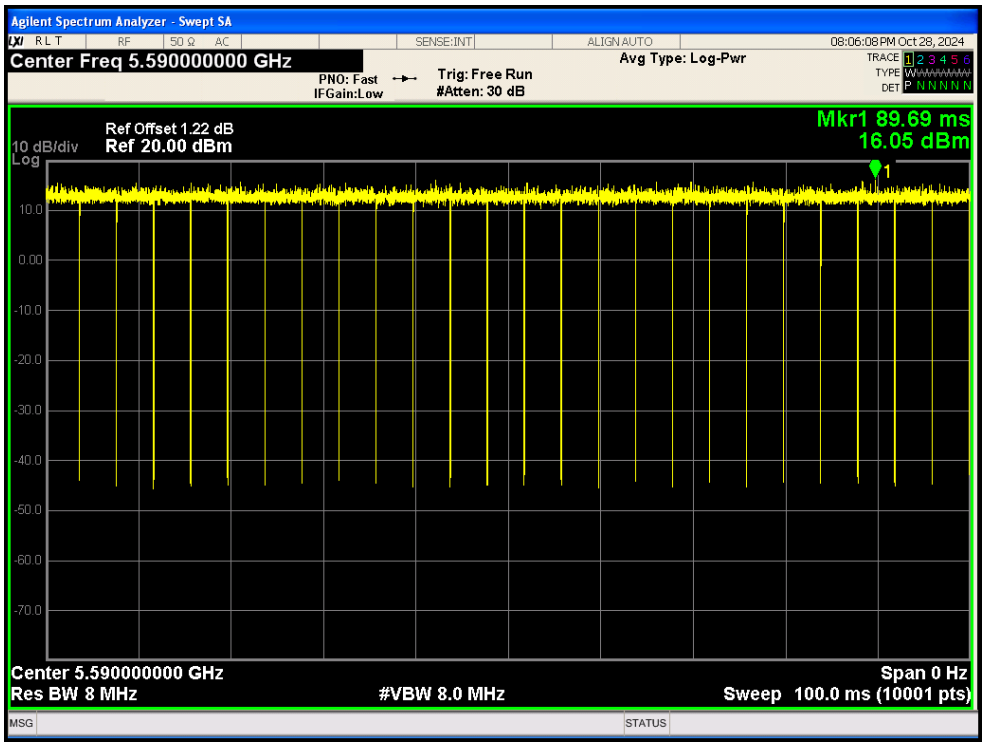
Duty Cycle NVNT ac40 5670MHz Ant1



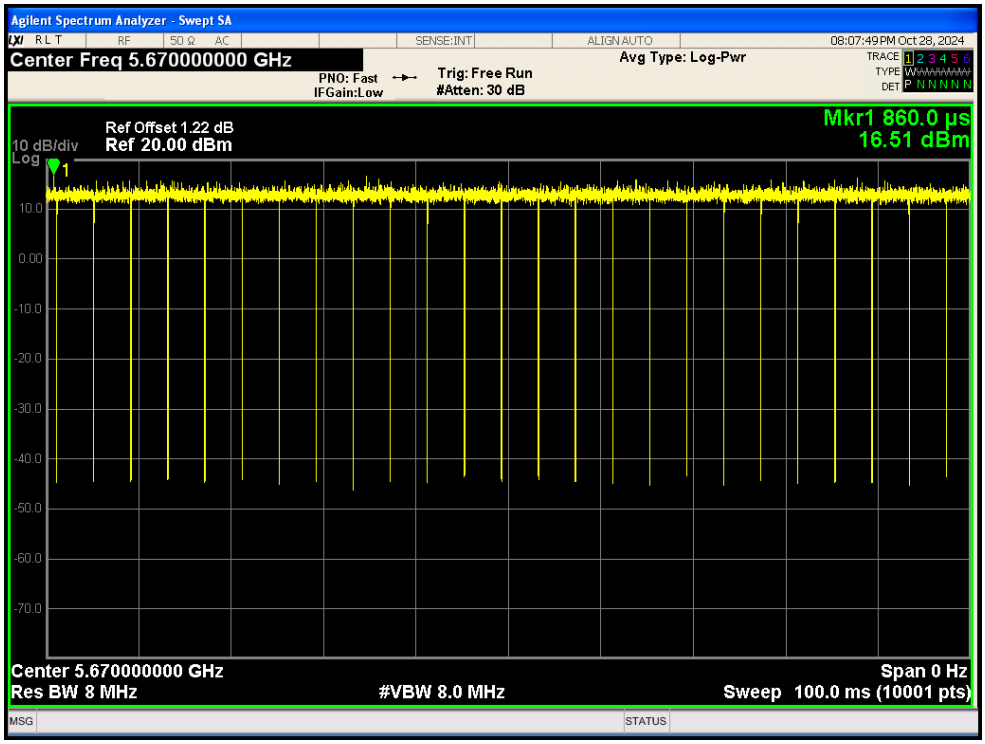
Duty Cycle NVNT ac40 5510MHz Ant2



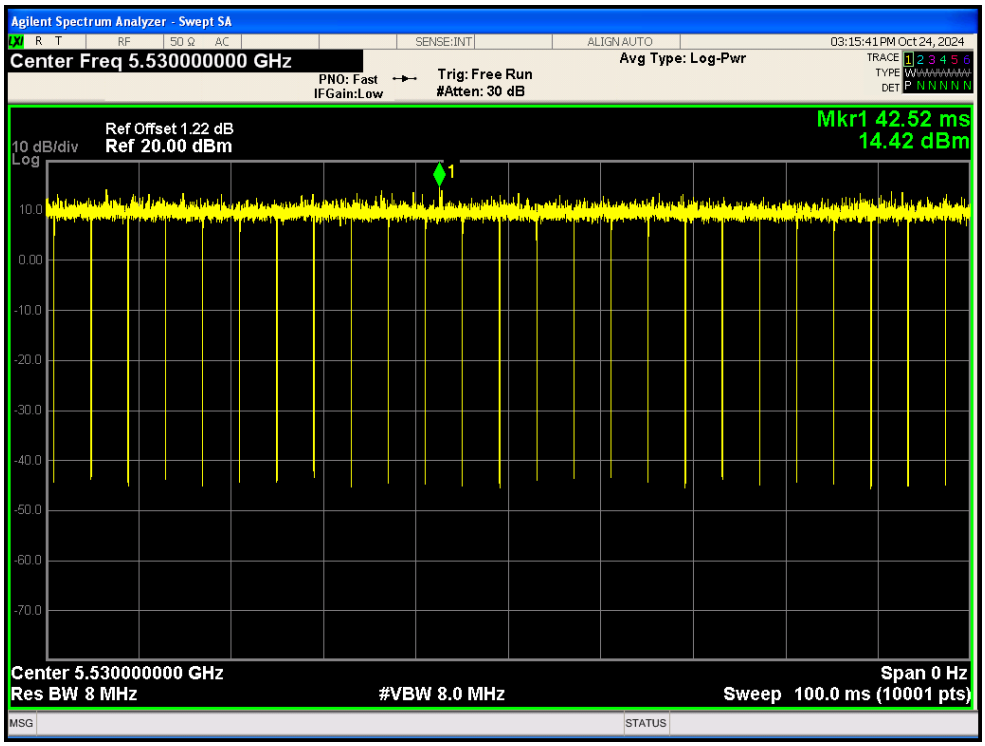
Duty Cycle NVNT ac40 5590MHz Ant2



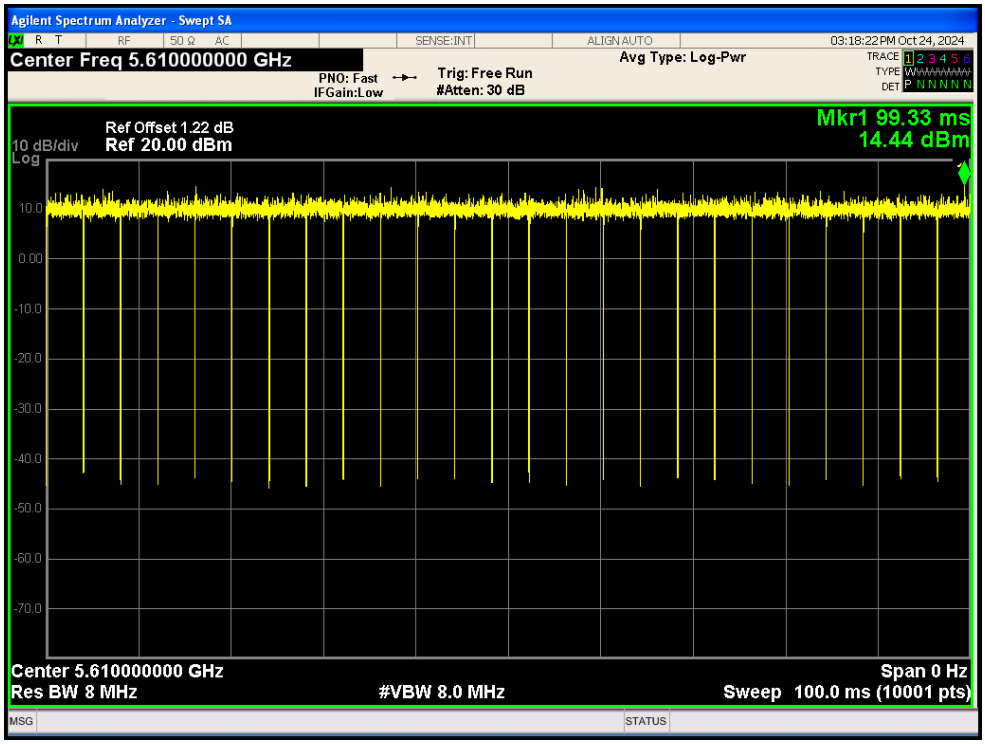
Duty Cycle NVNT ac40 5670MHz Ant2



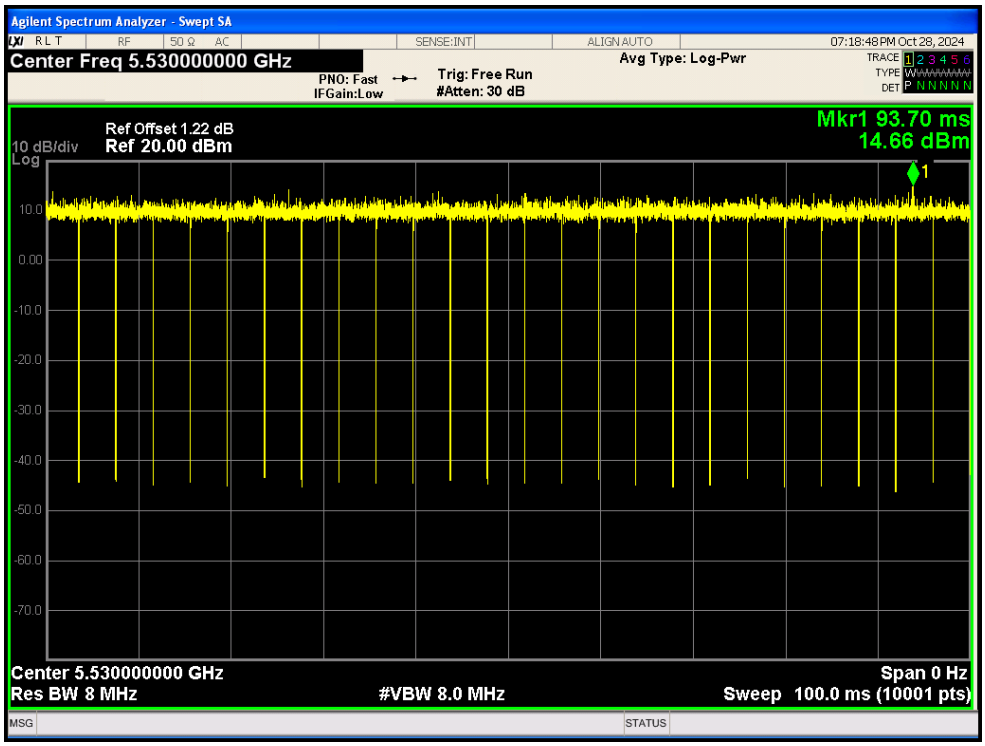
Duty Cycle NVNT ac80 5530MHz Ant1



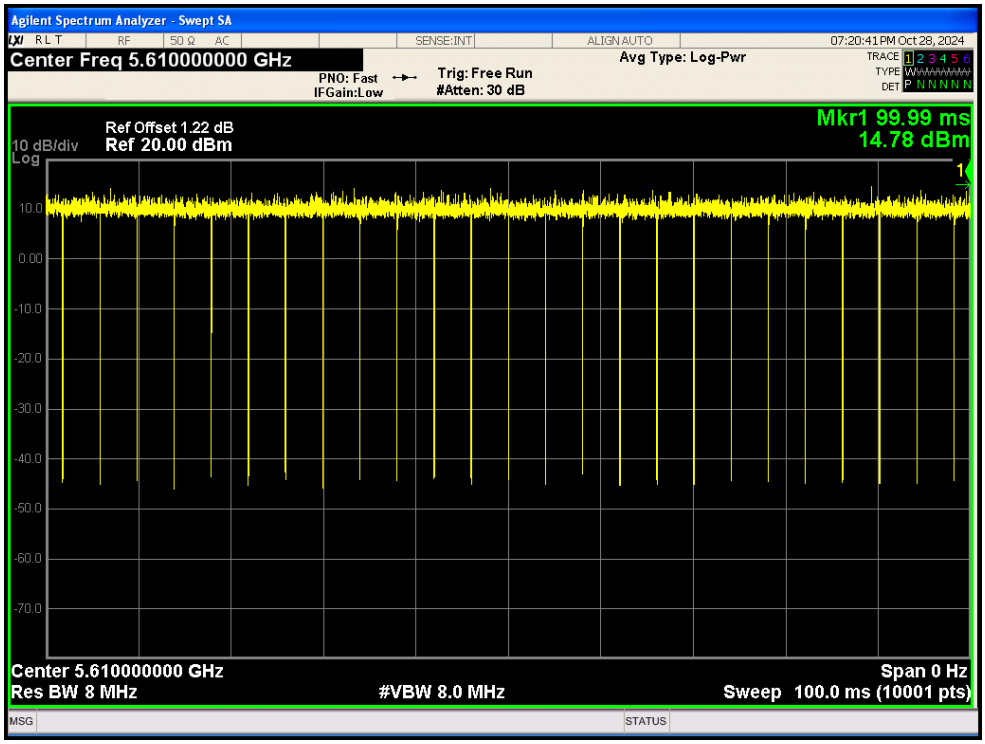
Duty Cycle NVNT ac80 5610MHz Ant1



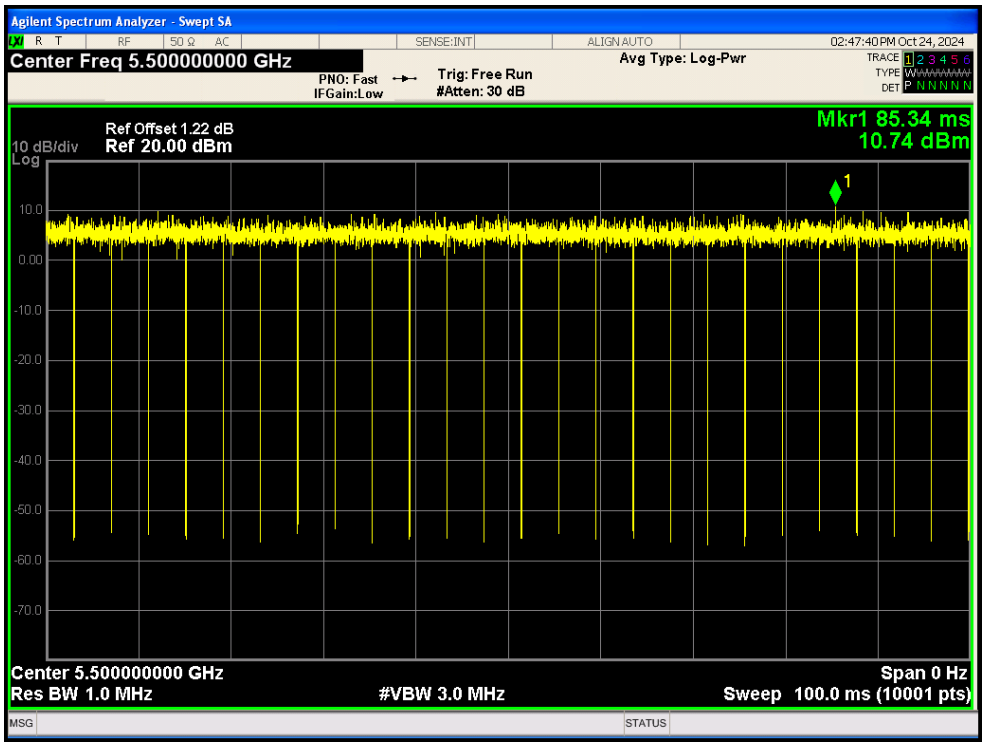
Duty Cycle NVNT ac80 5530MHz Ant2



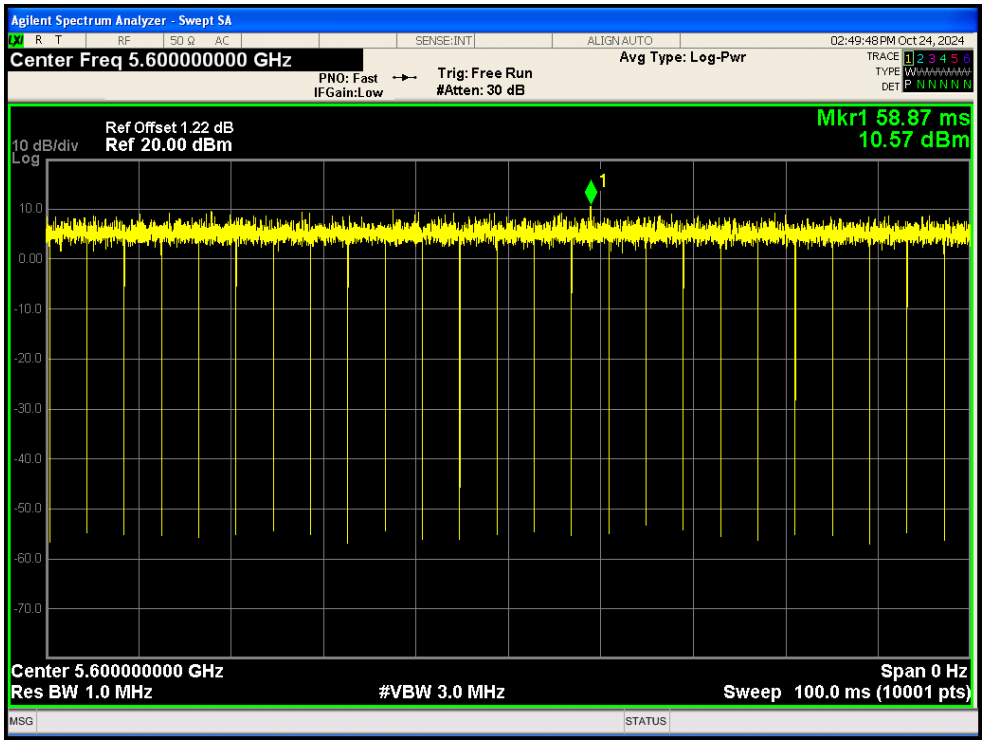
Duty Cycle NVNT ac80 5610MHz Ant2



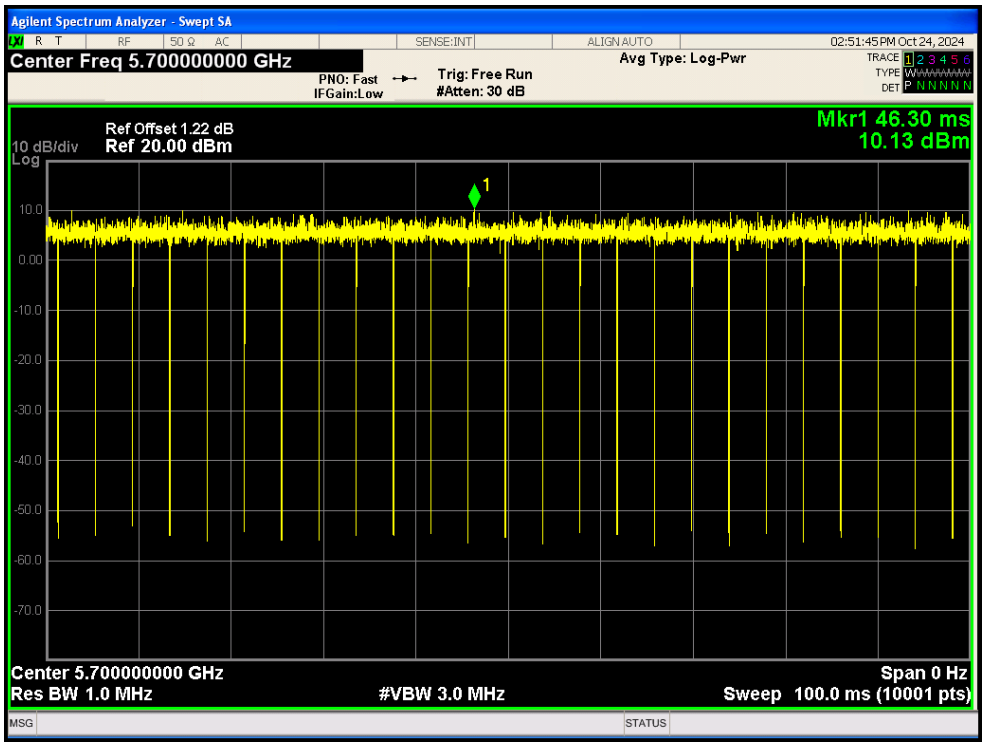
Duty Cycle NVNT ax20 5500MHz Ant1



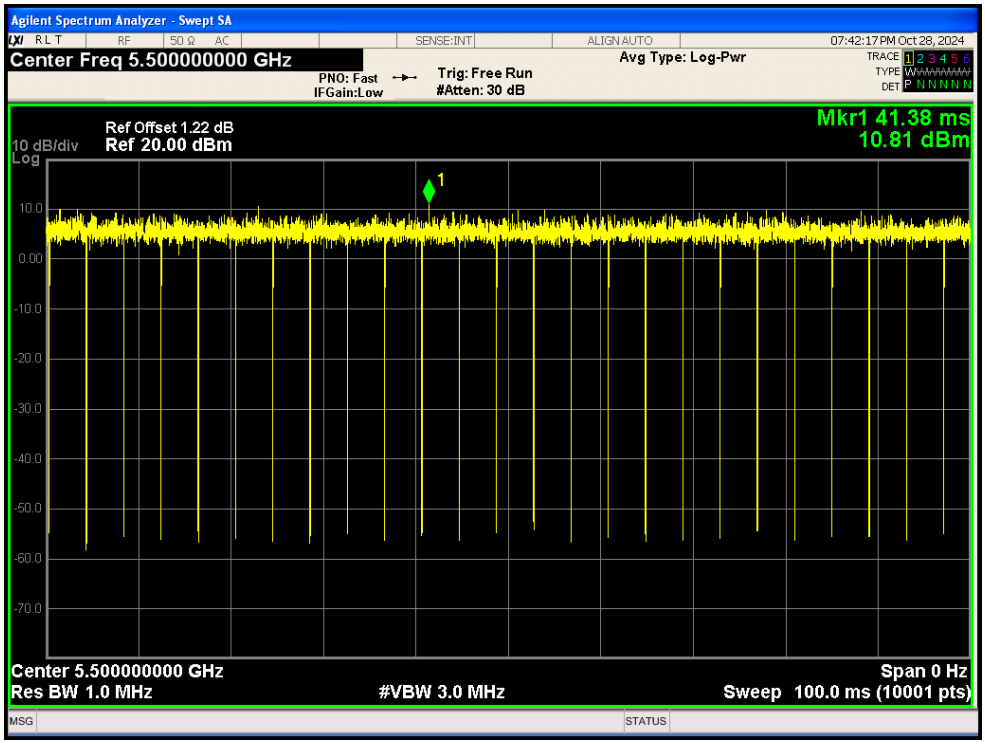
Duty Cycle NVNT ax20 5600MHz Ant1



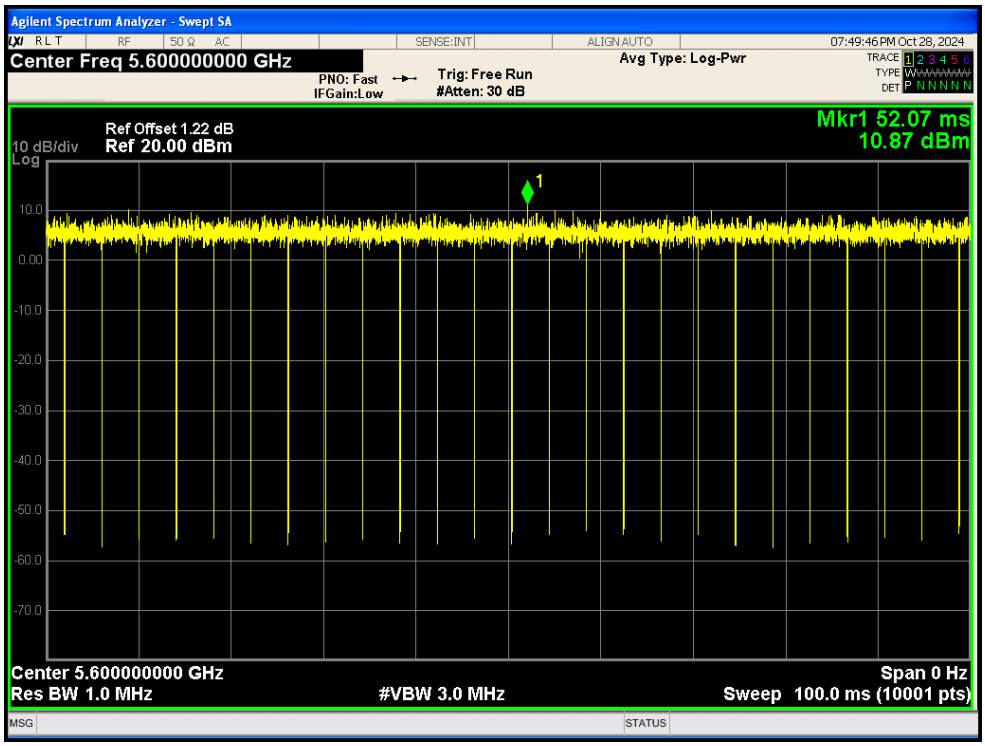
Duty Cycle NVNT ax20 5700MHz Ant1



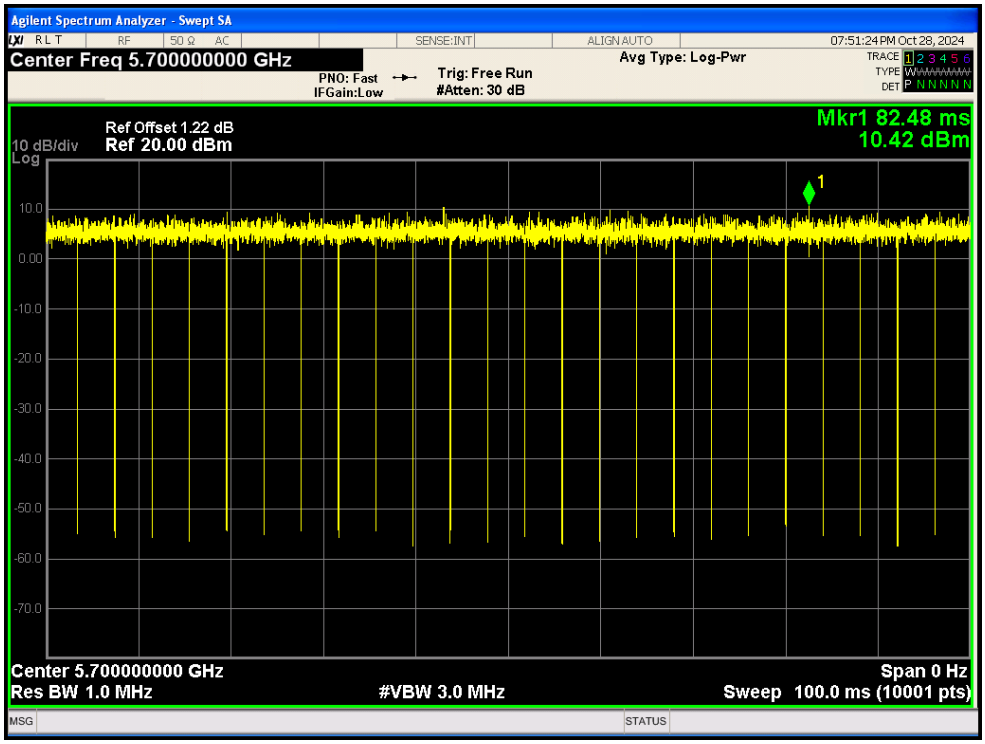
Duty Cycle NVNT ax20 5500MHz Ant2



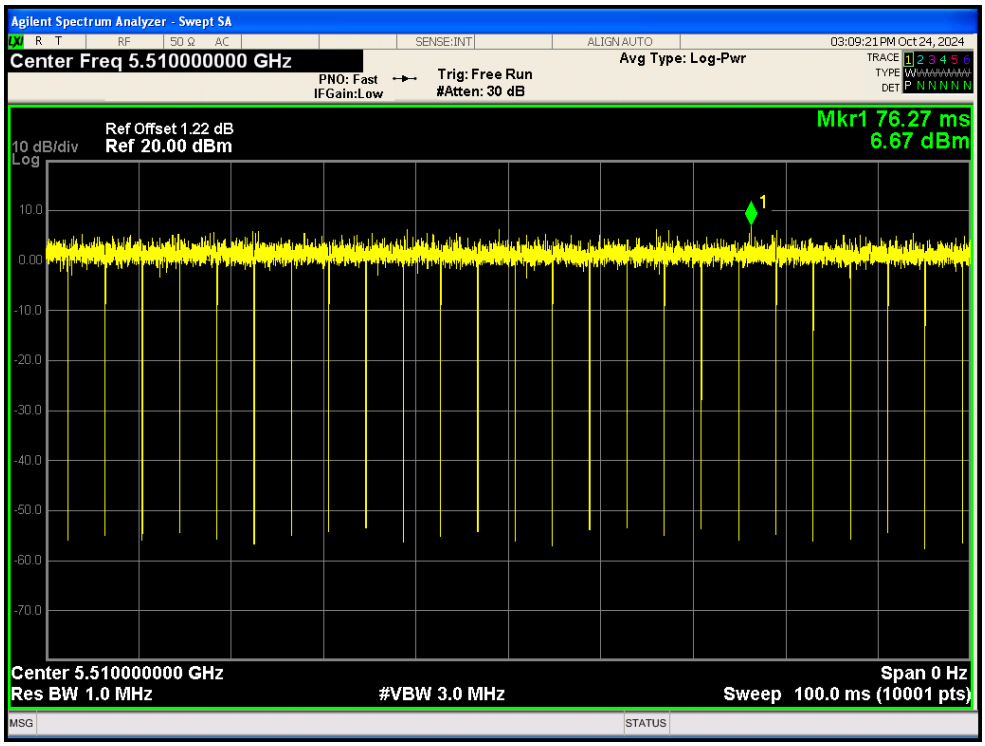
Duty Cycle NVNT ax20 5600MHz Ant2



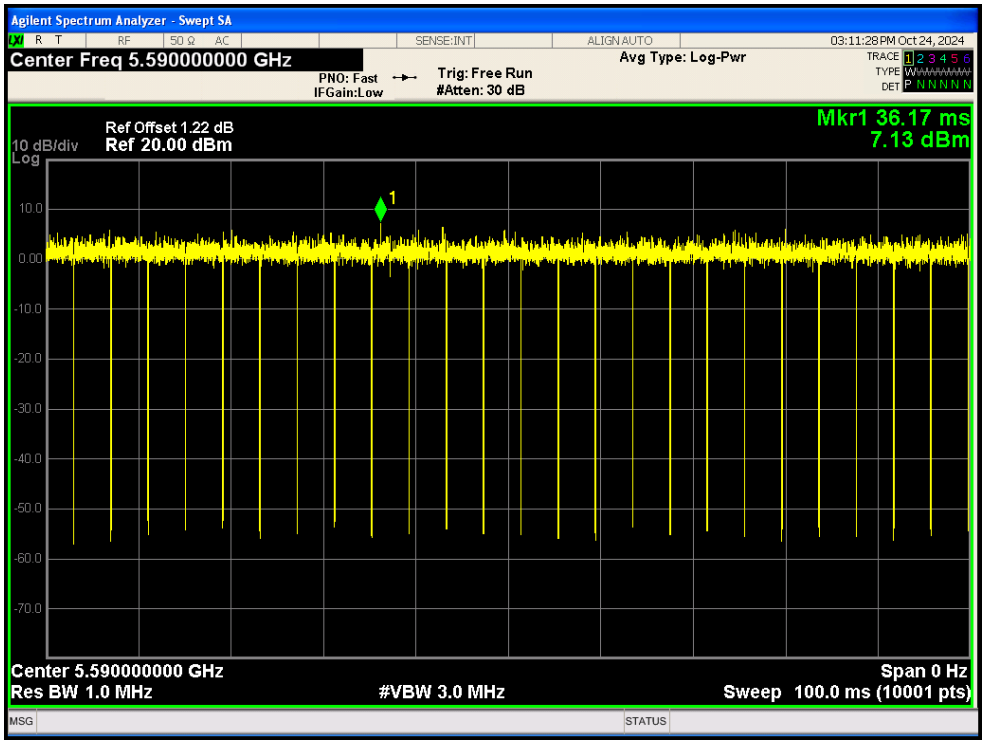
Duty Cycle NVNT ax20 5700MHz Ant2



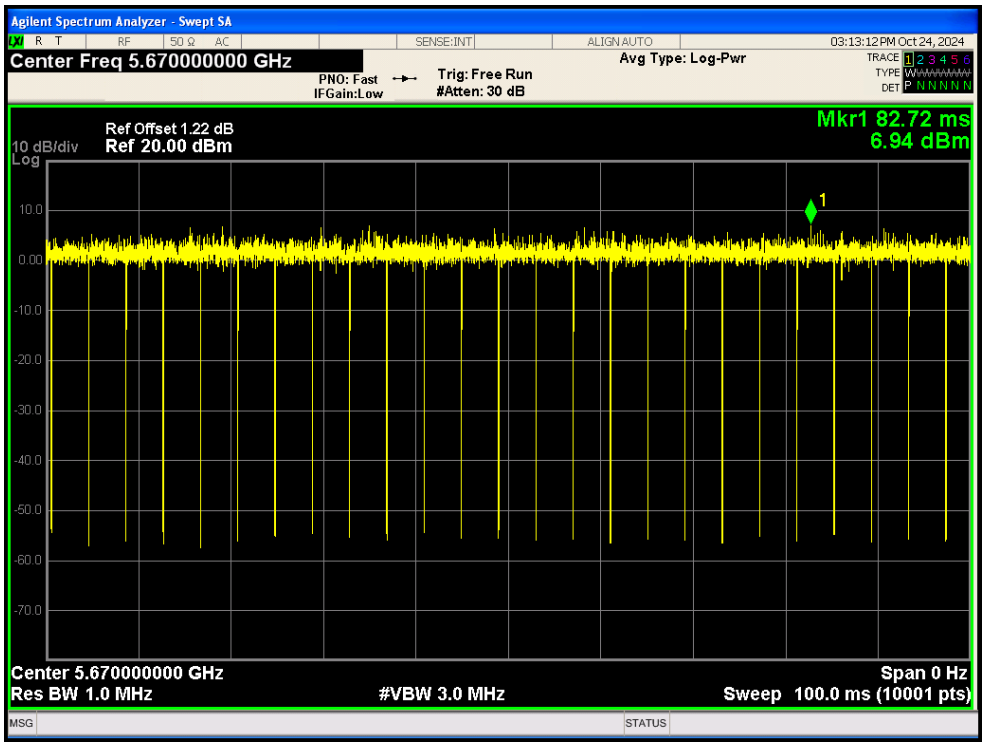
Duty Cycle NVNT ax40 5510MHz Ant1



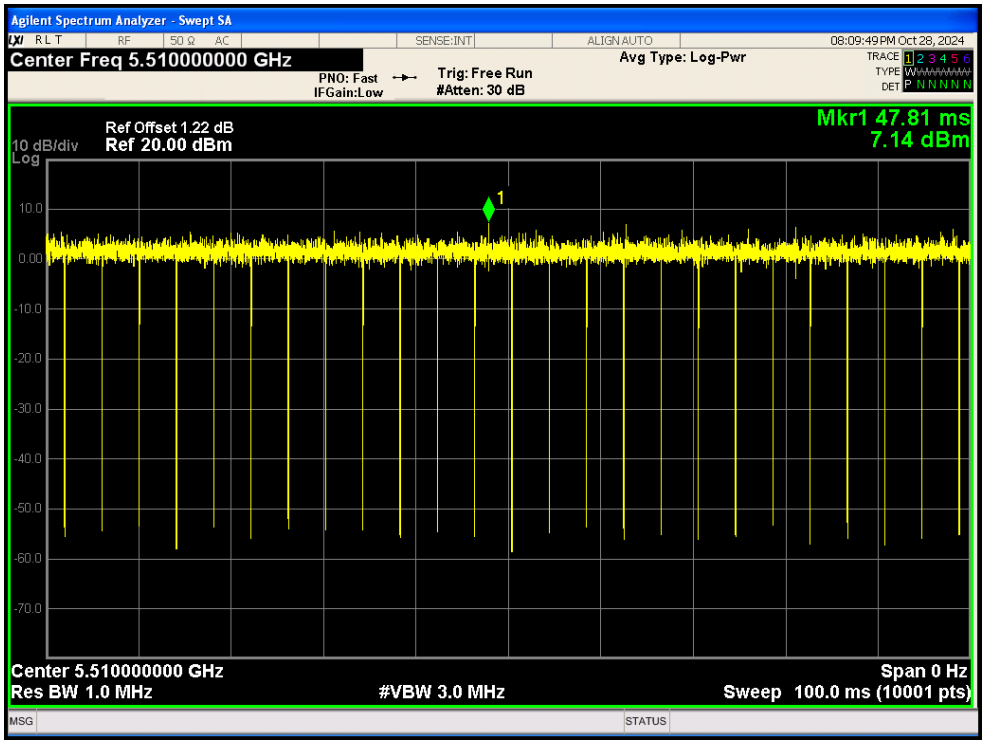
Duty Cycle NVNT ax40 5590MHz Ant1



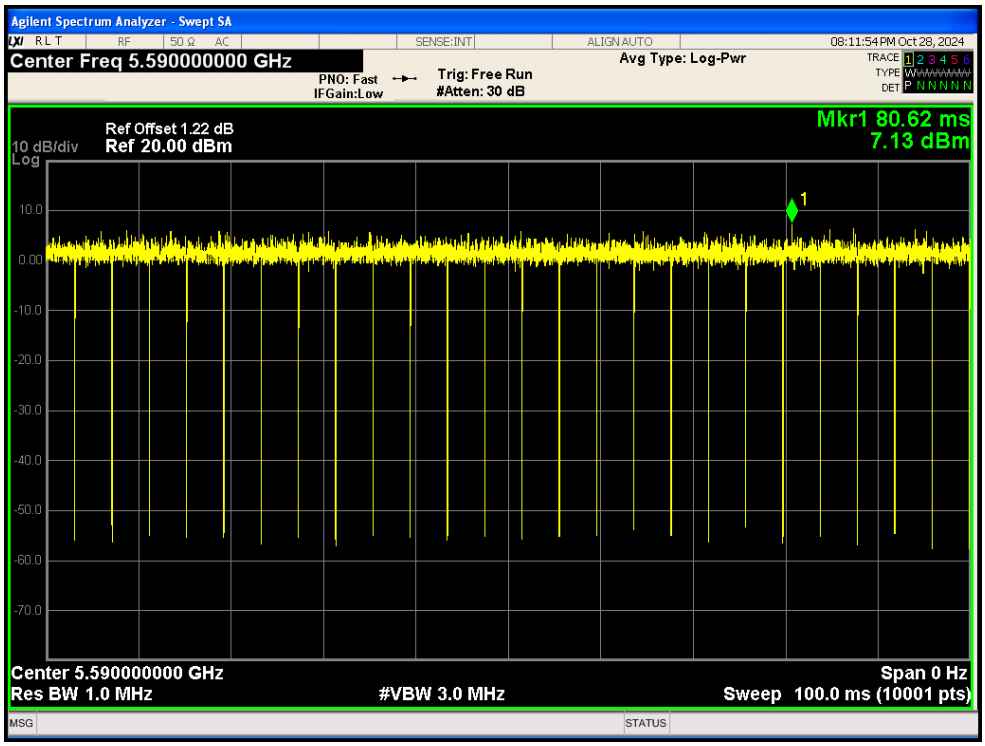
Duty Cycle NVNT ax40 5670MHz Ant1



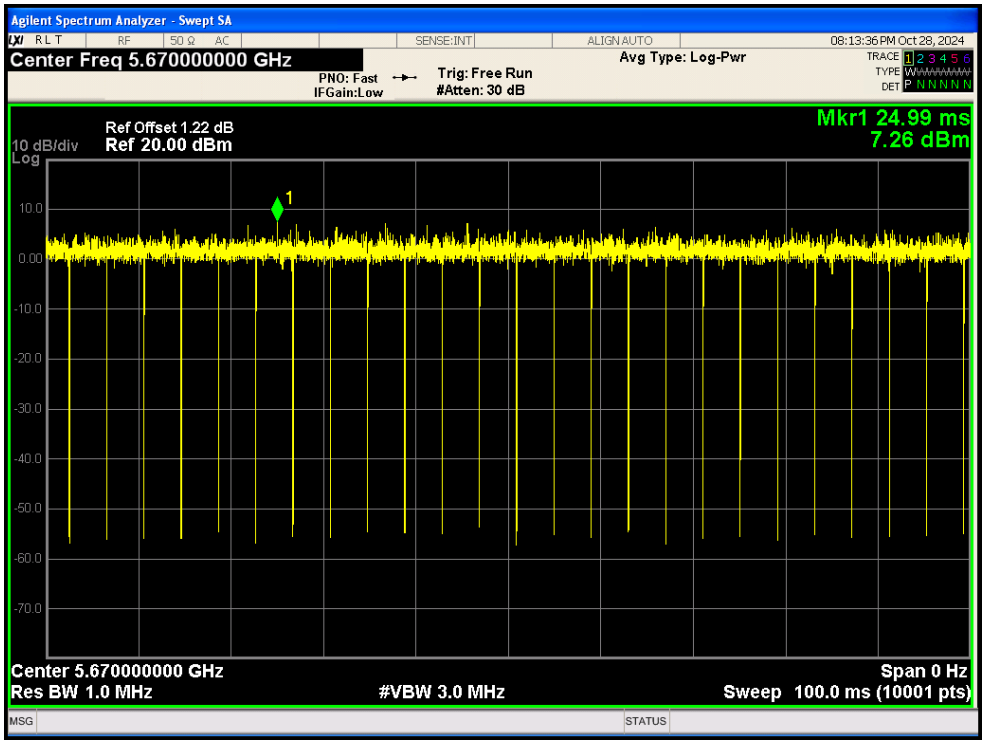
Duty Cycle NVNT ax40 5510MHz Ant2



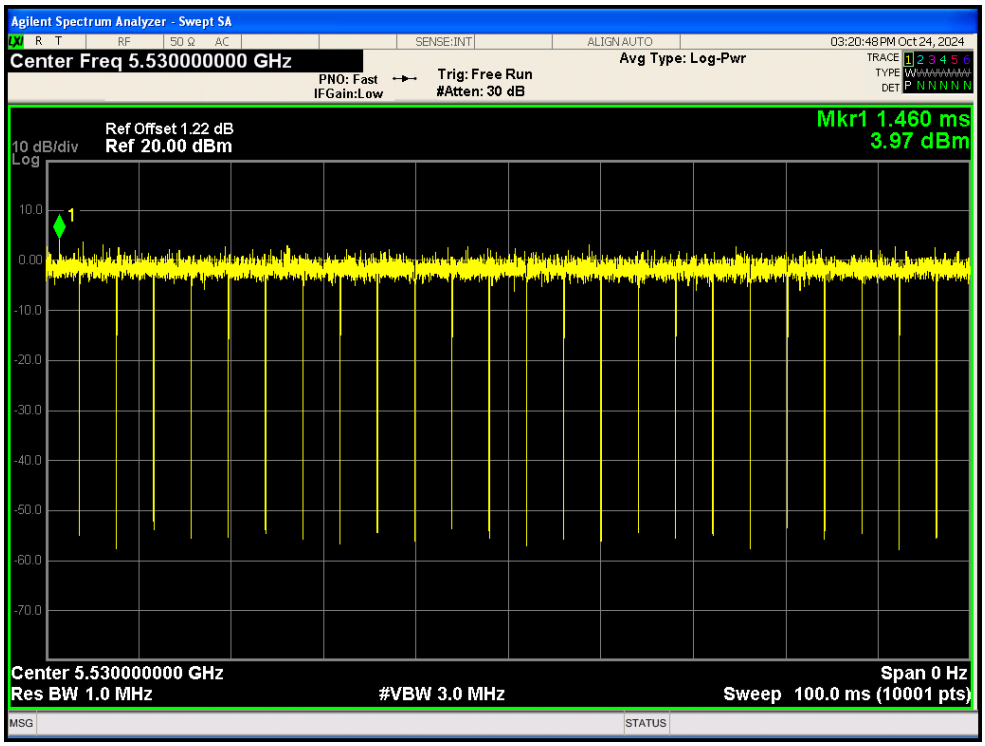
Duty Cycle NVNT ax40 5590MHz Ant2



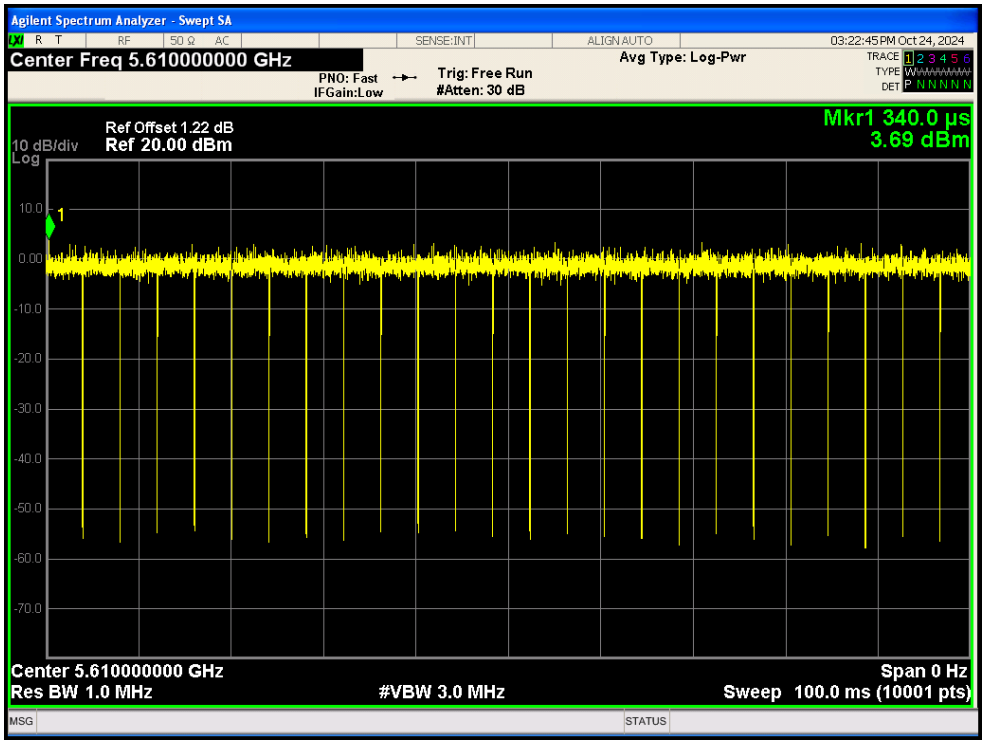
Duty Cycle NVNT ax40 5670MHz Ant2



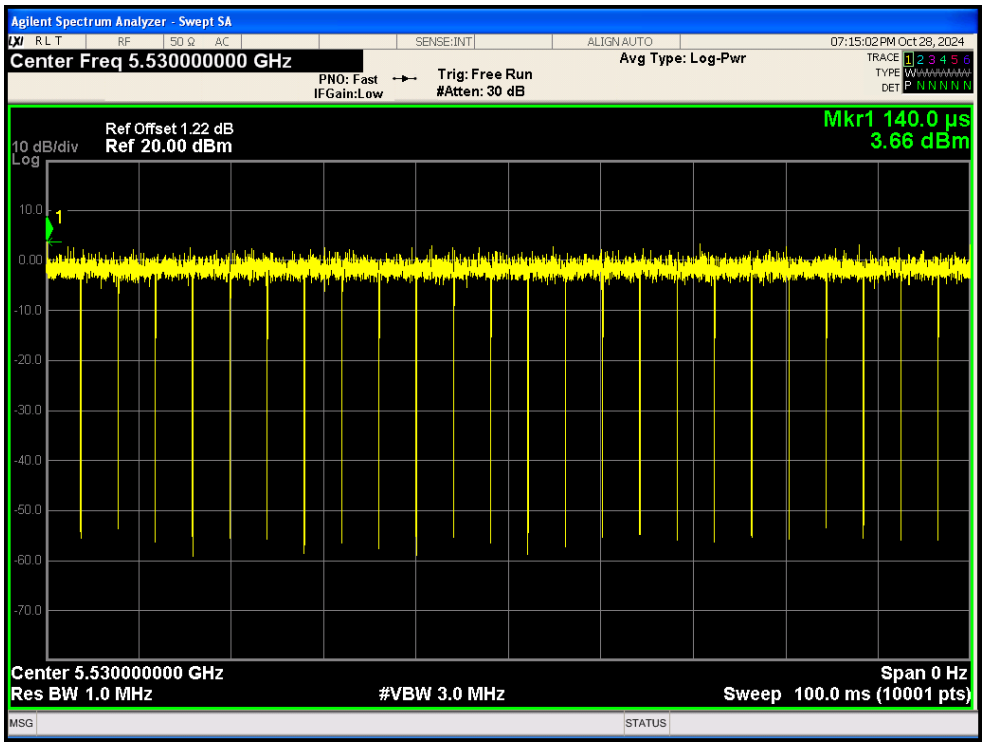
Duty Cycle NVNT ax80 5530MHz Ant1



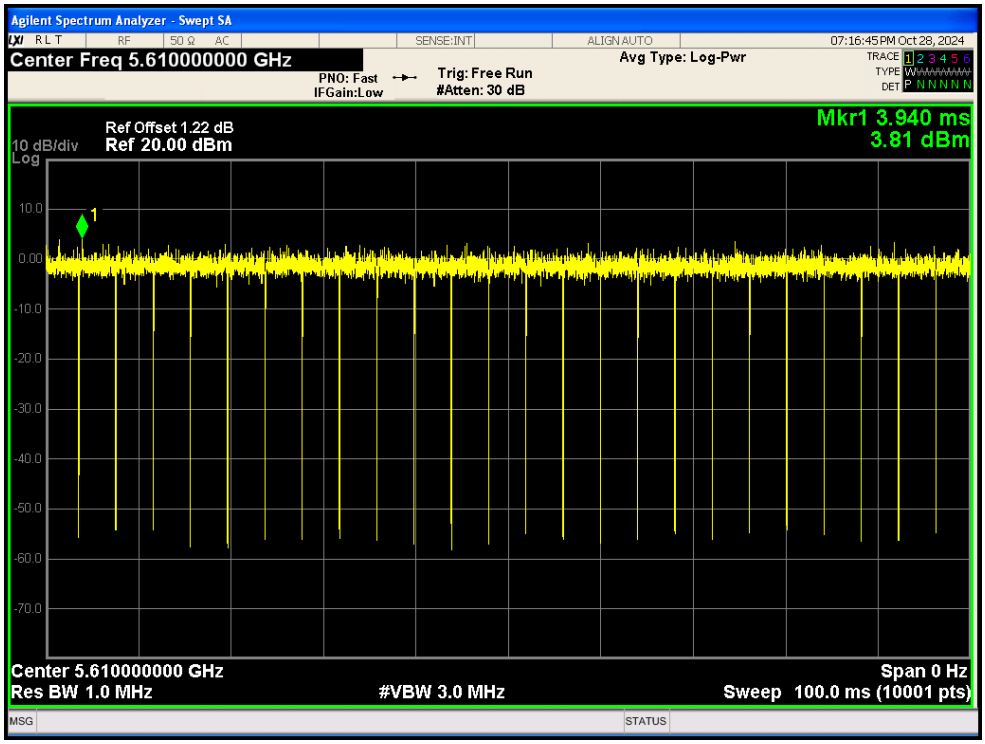
Duty Cycle NVNT ax80 5610MHz Ant1



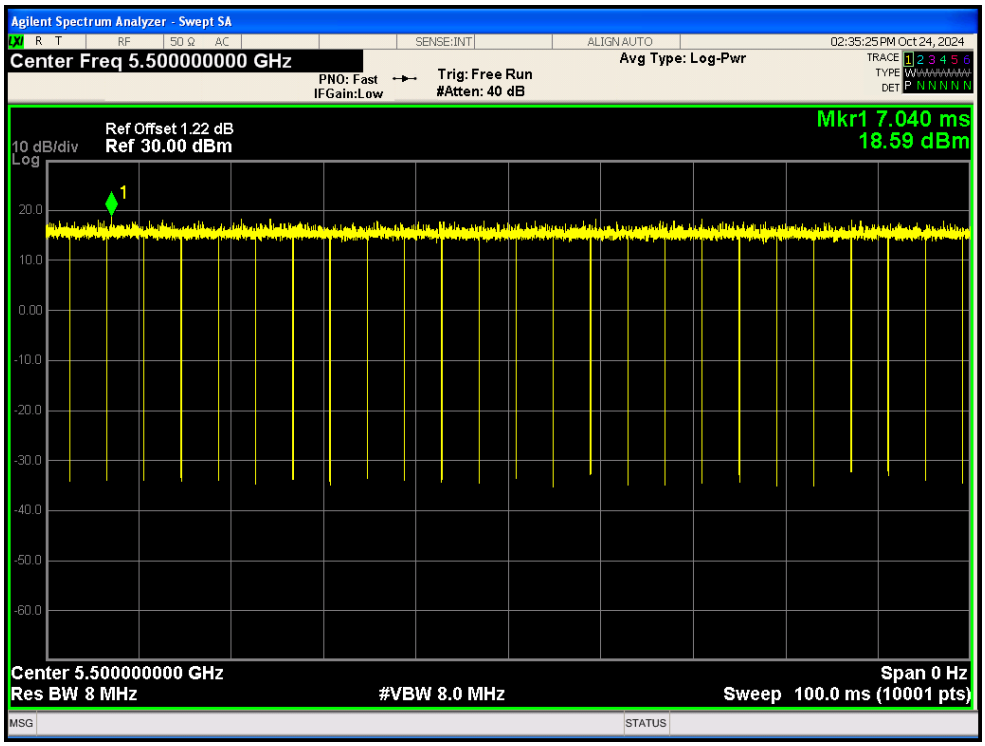
Duty Cycle NVNT ax80 5530MHz Ant2



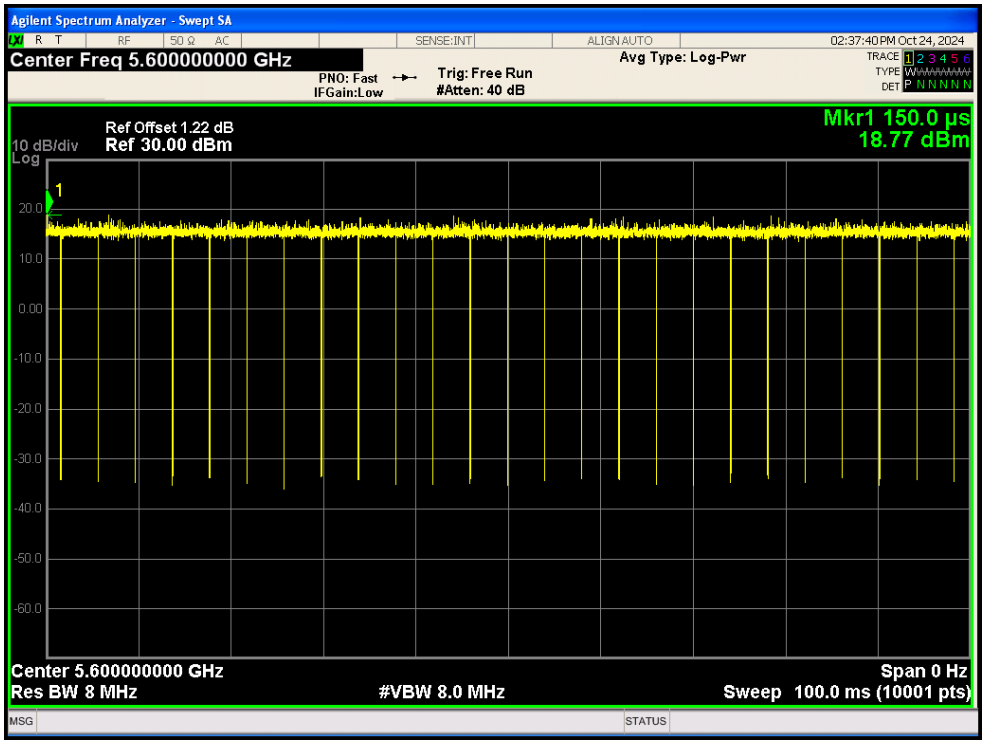
Duty Cycle NVNT ax80 5610MHz Ant2



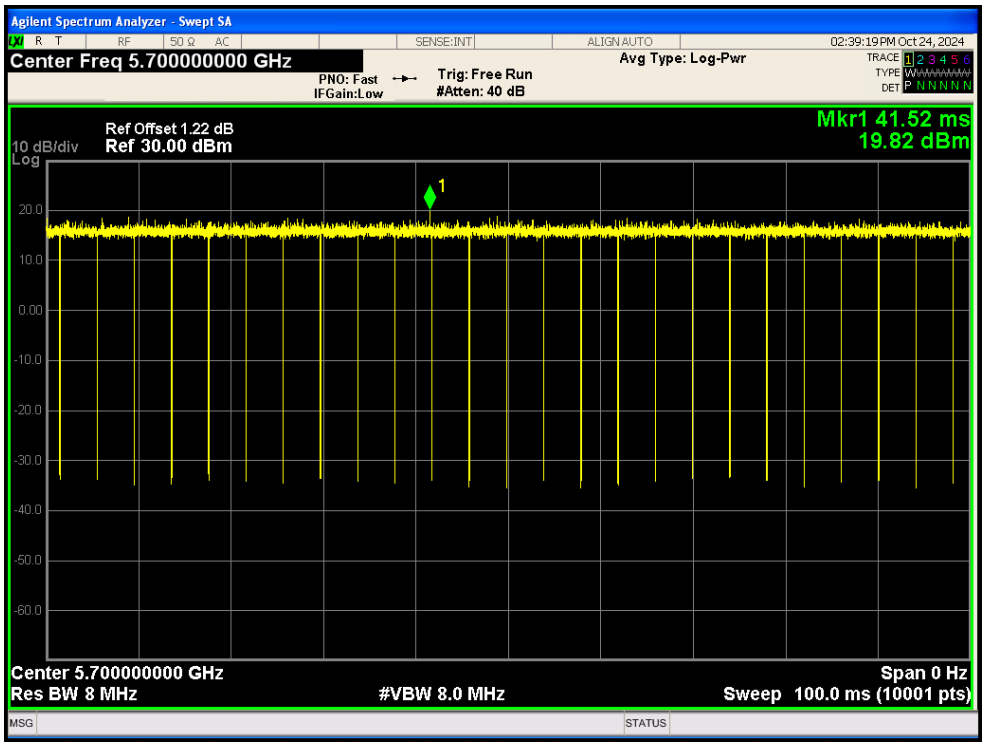
Duty Cycle NVNT n20 5500MHz Ant1



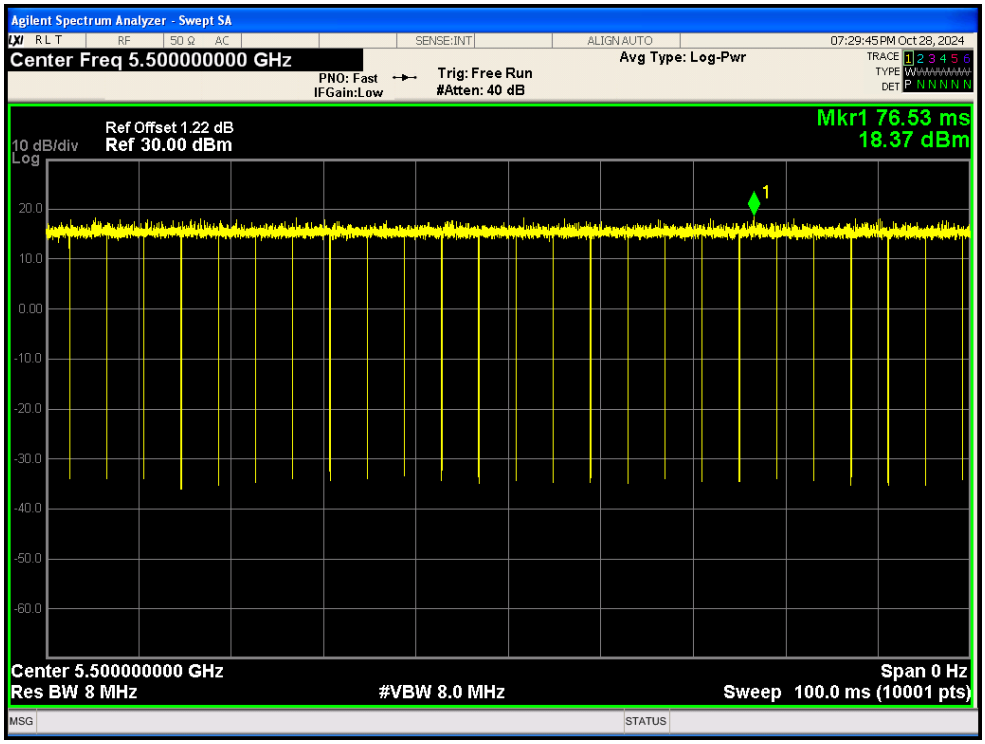
Duty Cycle NVNT n20 5600MHz Ant1



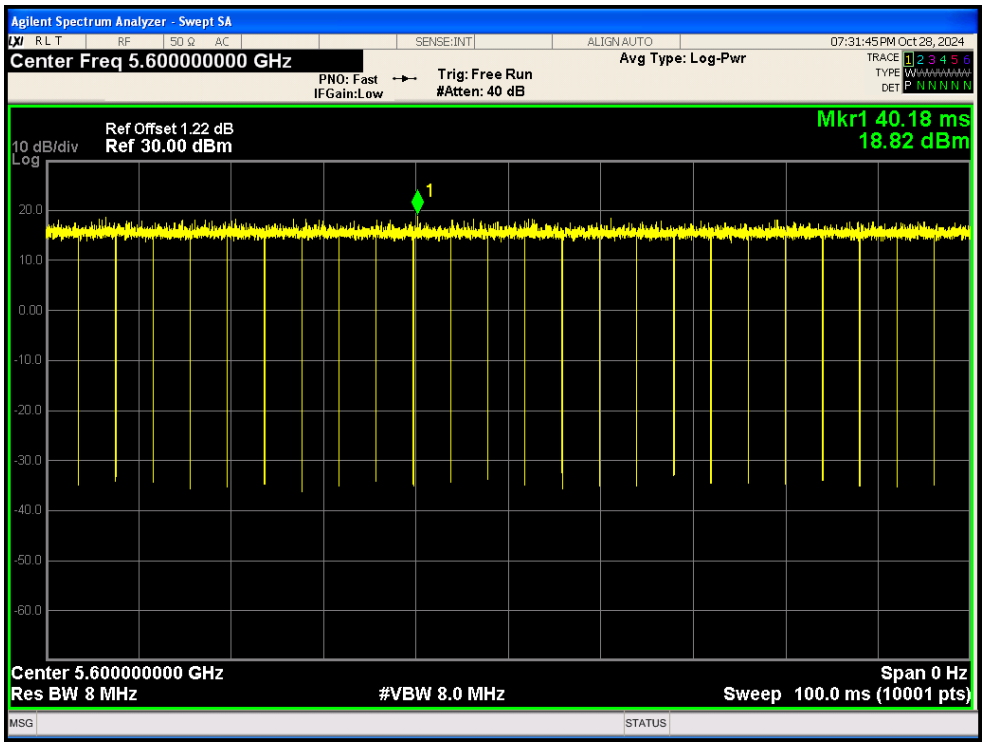
Duty Cycle NVNT n20 5700MHz Ant1



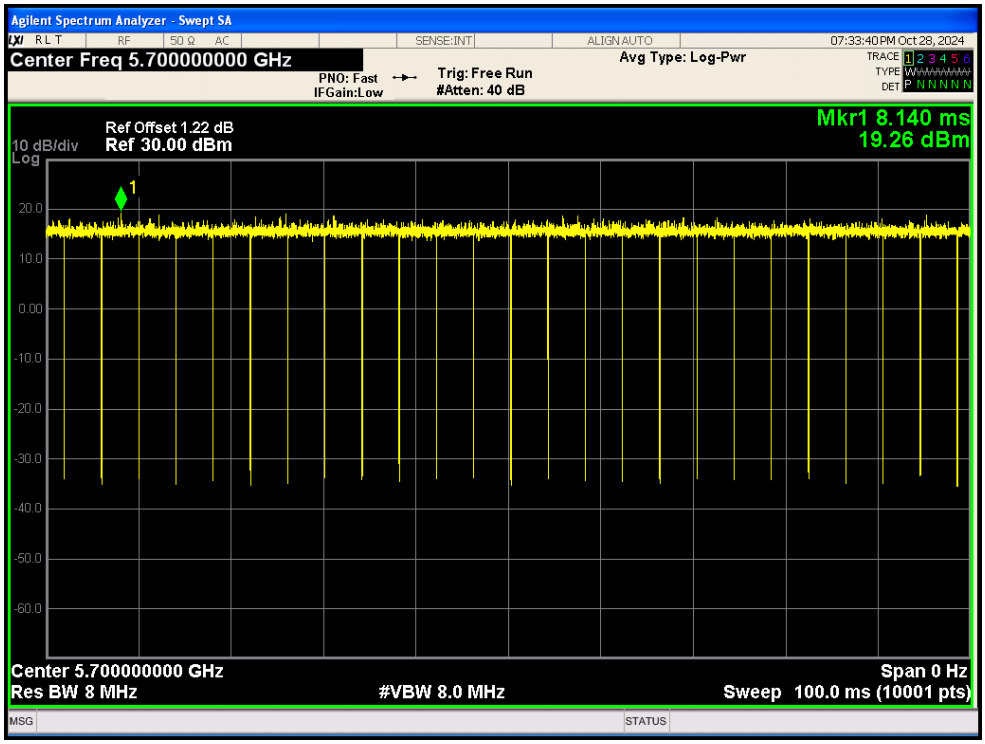
Duty Cycle NVNT n20 5500MHz Ant2



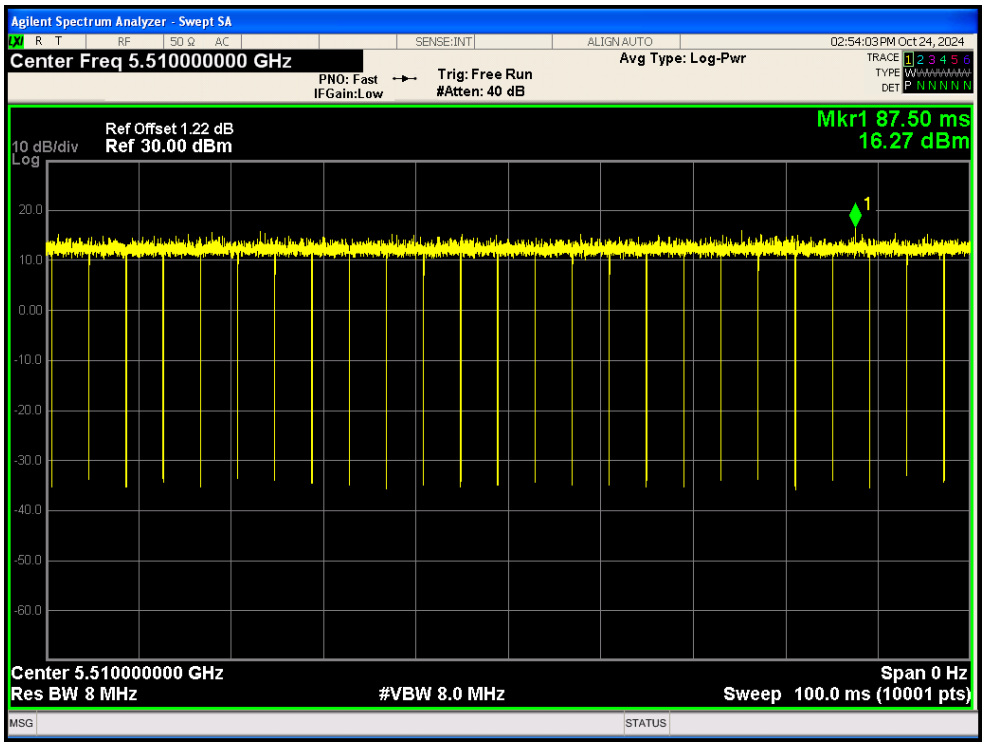
Duty Cycle NVNT n20 5600MHz Ant2



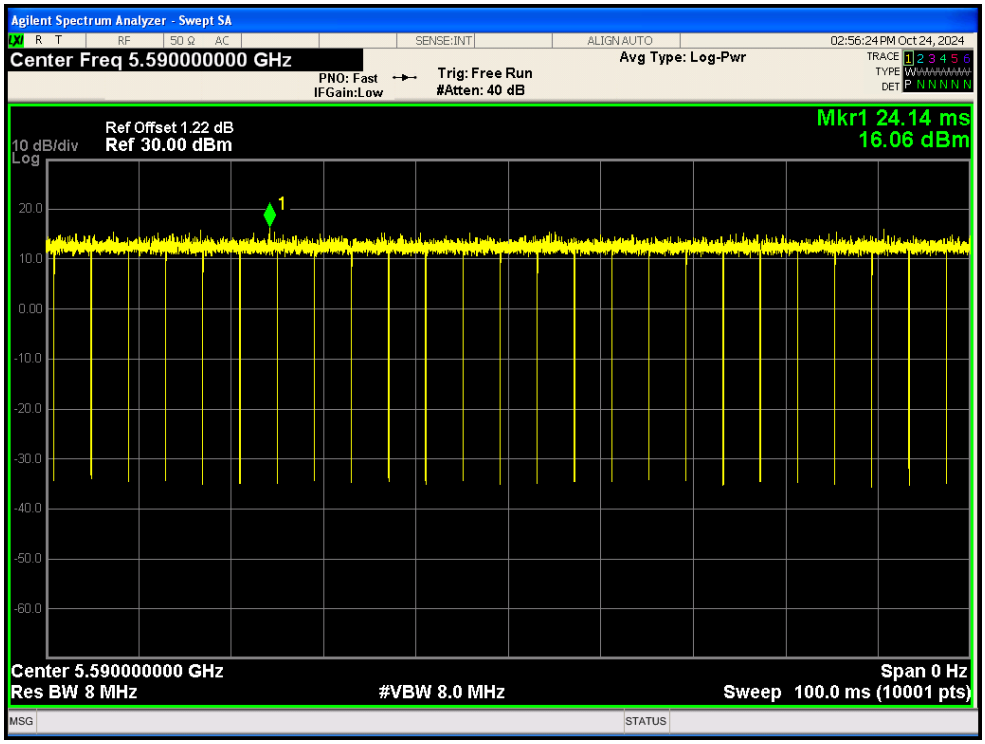
Duty Cycle NVNT n20 5700MHz Ant2



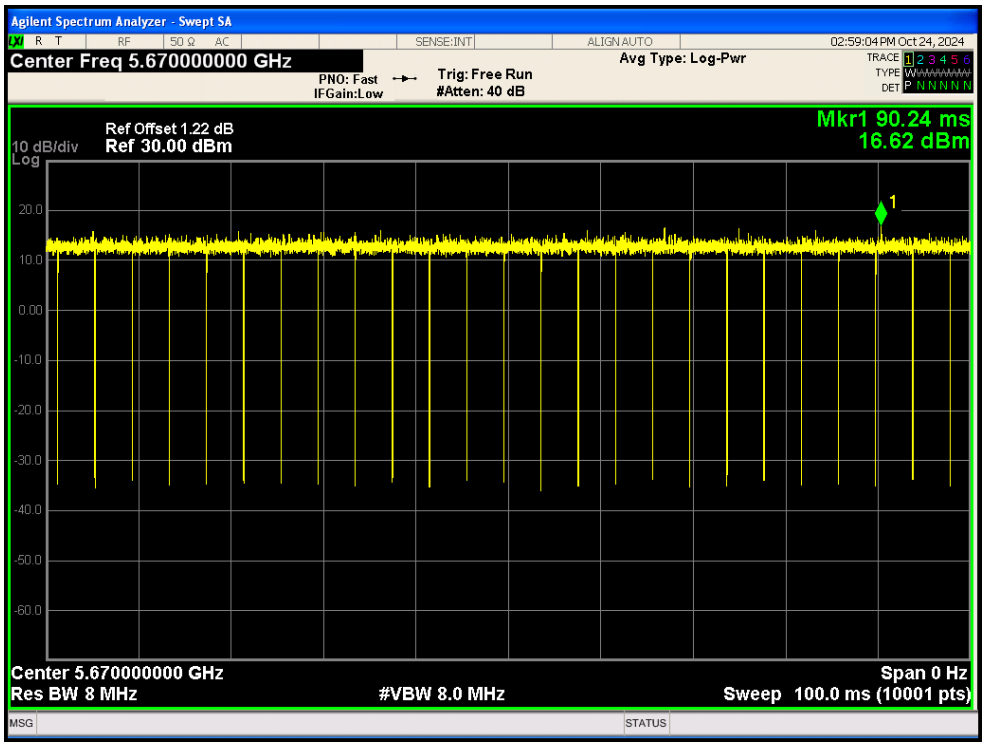
Duty Cycle NVNT n40 5510MHz Ant1



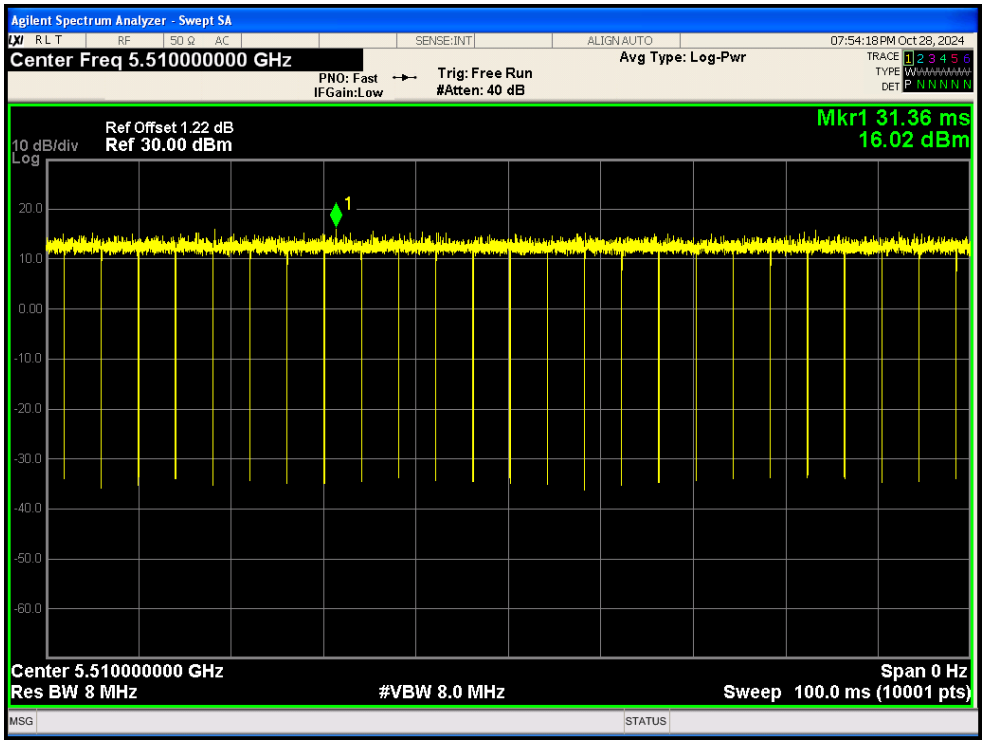
Duty Cycle NVNT n40 5590MHz Ant1



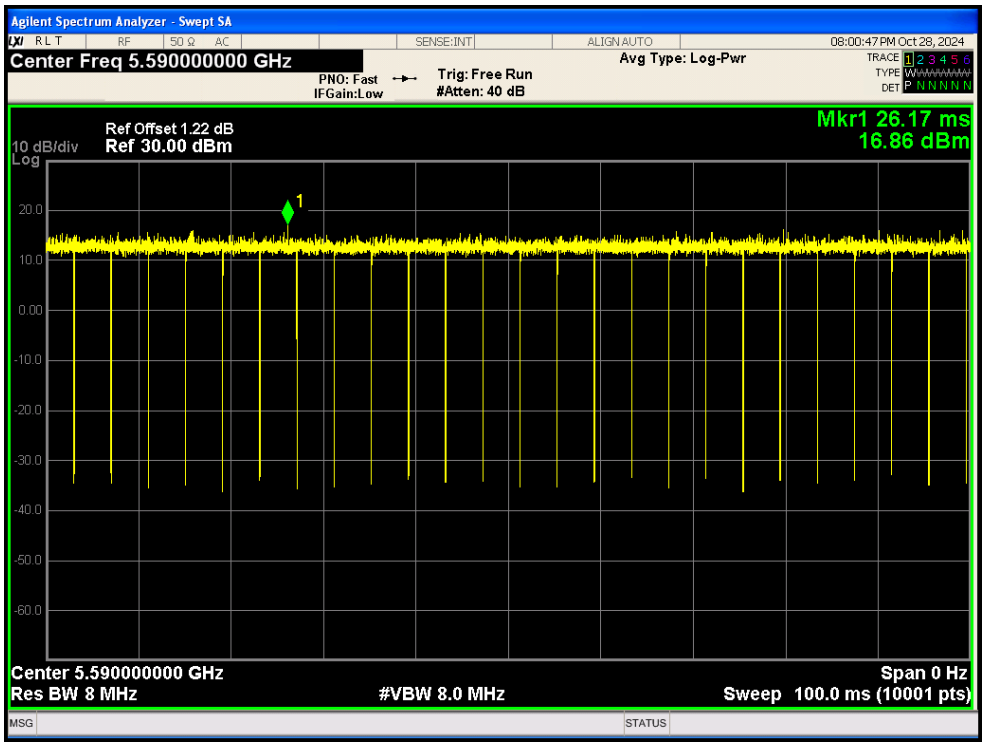
Duty Cycle NVNT n40 5670MHz Ant1



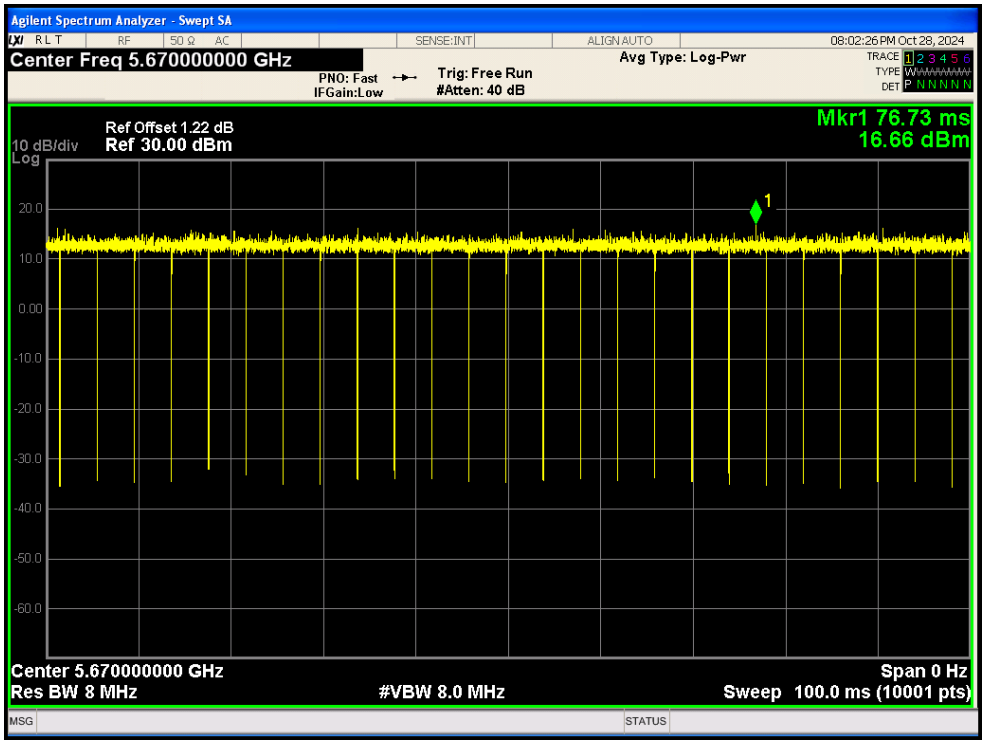
Duty Cycle NVNT n40 5510MHz Ant2



Duty Cycle NVNT n40 5590MHz Ant2



Duty Cycle NVNT n40 5670MHz Ant2


Agilent Spectrum Analyzer - Swept SA
RLT
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
08:02:26 PM Oct 28, 2024
Center Freq 5.670000000 GHz
Avg Type: Log-Pwr
TRACE 1 2 3 4 5 6
TYPE W W W W W W
DET P N N N N N
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Ref Offset 1.22 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 76.73 ms
16.66 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
1
Center 5.670000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 100.0 ms (10001 pts)
MSG
STATUS

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	12.51	24	Pass
NVNT	a	5600	Ant1	12.525	24	Pass
NVNT	a	5700	Ant1	12.576	24	Pass
NVNT	a	5500	Ant2	12.719	24	Pass
NVNT	a	5600	Ant2	12.561	24	Pass
NVNT	a	5700	Ant2	12.569	24	Pass
NVNT	ac20	5500	Ant1	12.662	24	Pass
NVNT	ac20	5600	Ant1	12.373	24	Pass
NVNT	ac20	5700	Ant1	12.54	24	Pass
NVNT	ac20	5500	Ant2	12.657	24	Pass
NVNT	ac20	5600	Ant2	12.473	24	Pass
NVNT	ac20	5700	Ant2	12.337	24	Pass
NVNT	ac40	5510	Ant1	12.692	24	Pass
NVNT	ac40	5590	Ant1	12.707	24	Pass
NVNT	ac40	5670	Ant1	12.779	24	Pass
NVNT	ac40	5510	Ant2	12.814	24	Pass
NVNT	ac40	5590	Ant2	12.844	24	Pass
NVNT	ac40	5670	Ant2	12.764	24	Pass
NVNT	ac80	5530	Ant1	12.39	24	Pass
NVNT	ac80	5610	Ant1	12.765	24	Pass
NVNT	ac80	5530	Ant2	12.55	24	Pass
NVNT	ac80	5610	Ant2	12.796	24	Pass
NVNT	ax20	5500	Ant1	12.437	24	Pass
NVNT	ax20	5600	Ant1	12.078	24	Pass
NVNT	ax20	5700	Ant1	12.34	24	Pass
NVNT	ax20	5500	Ant2	12.431	24	Pass
NVNT	ax20	5600	Ant2	12.331	24	Pass
NVNT	ax20	5700	Ant2	12.244	24	Pass
NVNT	ax40	5510	Ant1	12.38	24	Pass
NVNT	ax40	5590	Ant1	12.451	24	Pass
NVNT	ax40	5670	Ant1	12.495	24	Pass
NVNT	ax40	5510	Ant2	12.565	24	Pass
NVNT	ax40	5590	Ant2	12.651	24	Pass
NVNT	ax40	5670	Ant2	12.547	24	Pass
NVNT	ax80	5530	Ant1	12.12	24	Pass
NVNT	ax80	5610	Ant1	12.483	24	Pass
NVNT	ax80	5530	Ant2	12.215	24	Pass
NVNT	ax80	5610	Ant2	12.49	24	Pass
NVNT	n20	5500	Ant1	12.679	24	Pass
NVNT	n20	5600	Ant1	12.436	24	Pass
NVNT	n20	5700	Ant1	12.476	24	Pass
NVNT	n20	5500	Ant2	12.642	24	Pass
NVNT	n20	5600	Ant2	12.549	24	Pass
NVNT	n20	5700	Ant2	12.339	24	Pass

NVNT	n40	5510	Ant1	12.698	24	Pass
NVNT	n40	5590	Ant1	12.721	24	Pass
NVNT	n40	5670	Ant1	12.691	24	Pass
NVNT	n40	5510	Ant2	12.781	24	Pass
NVNT	n40	5590	Ant2	12.853	24	Pass
NVNT	n40	5670	Ant2	12.724	24	Pass

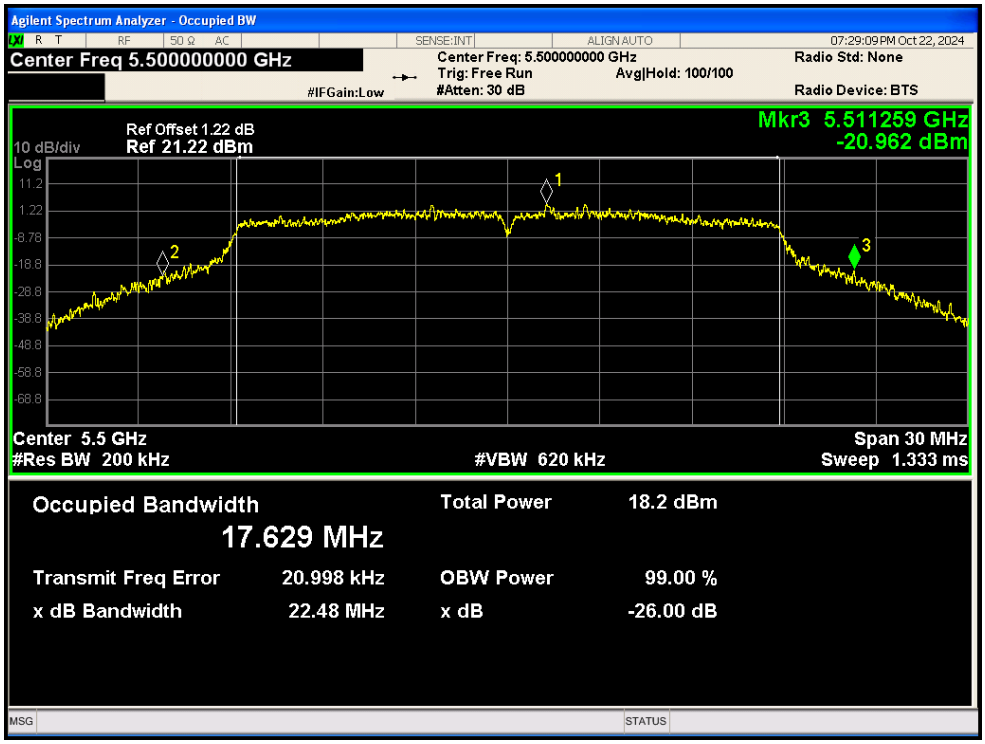
Note: The average power value already includes the duty cycle factor

-26dB Bandwidth

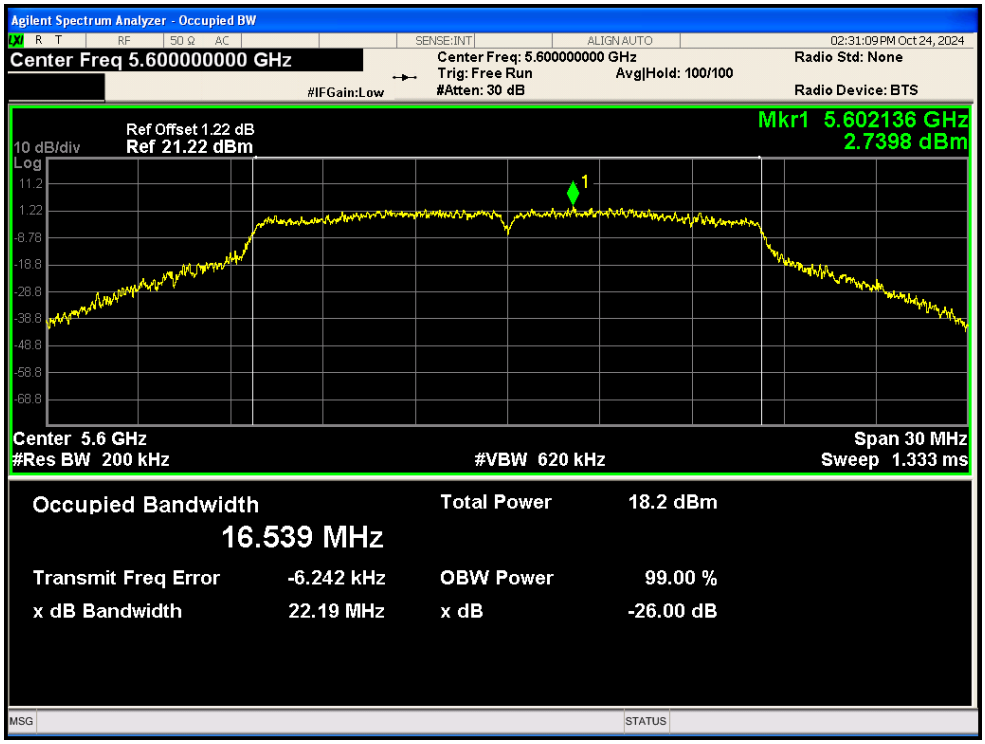
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	22.477
NVNT	a	5600	Ant1	22.188
NVNT	a	5700	Ant1	22.458
NVNT	a	5500	Ant2	22.248
NVNT	a	5600	Ant2	22.142
NVNT	a	5700	Ant2	22.483
NVNT	ac20	5500	Ant1	22.578
NVNT	ac20	5600	Ant1	22.823
NVNT	ac20	5700	Ant1	22.597
NVNT	ac20	5500	Ant2	22.655
NVNT	ac20	5600	Ant2	22.472
NVNT	ac20	5700	Ant2	22.526
NVNT	ac40	5510	Ant1	42.622
NVNT	ac40	5590	Ant1	43.169
NVNT	ac40	5670	Ant1	42.51
NVNT	ac40	5510	Ant2	42.944
NVNT	ac40	5590	Ant2	42.316
NVNT	ac40	5670	Ant2	42.238
NVNT	ac80	5530	Ant1	84.307
NVNT	ac80	5610	Ant1	84.509
NVNT	ac80	5530	Ant2	84.965
NVNT	ac80	5610	Ant2	85.583
NVNT	ax20	5500	Ant1	22.765
NVNT	ax20	5600	Ant1	22.741
NVNT	ax20	5700	Ant1	22.162
NVNT	ax20	5500	Ant2	22.449
NVNT	ax20	5600	Ant2	22.425
NVNT	ax20	5700	Ant2	22.072
NVNT	ax40	5510	Ant1	41.676
NVNT	ax40	5590	Ant1	42.4
NVNT	ax40	5670	Ant1	40.843
NVNT	ax40	5510	Ant2	41.497
NVNT	ax40	5590	Ant2	42.755
NVNT	ax40	5670	Ant2	40.539
NVNT	ax80	5530	Ant1	81.536
NVNT	ax80	5610	Ant1	82.026
NVNT	ax80	5530	Ant2	81.606
NVNT	ax80	5610	Ant2	82.235
NVNT	n20	5500	Ant1	22.43
NVNT	n20	5600	Ant1	22.366
NVNT	n20	5700	Ant1	22.498
NVNT	n20	5500	Ant2	21.931
NVNT	n20	5600	Ant2	22.396
NVNT	n20	5700	Ant2	22.142

NVNT	n40	5510	Ant1	43.399
NVNT	n40	5590	Ant1	42.405
NVNT	n40	5670	Ant1	42.226
NVNT	n40	5510	Ant2	41.907
NVNT	n40	5590	Ant2	41.578
NVNT	n40	5670	Ant2	42.627

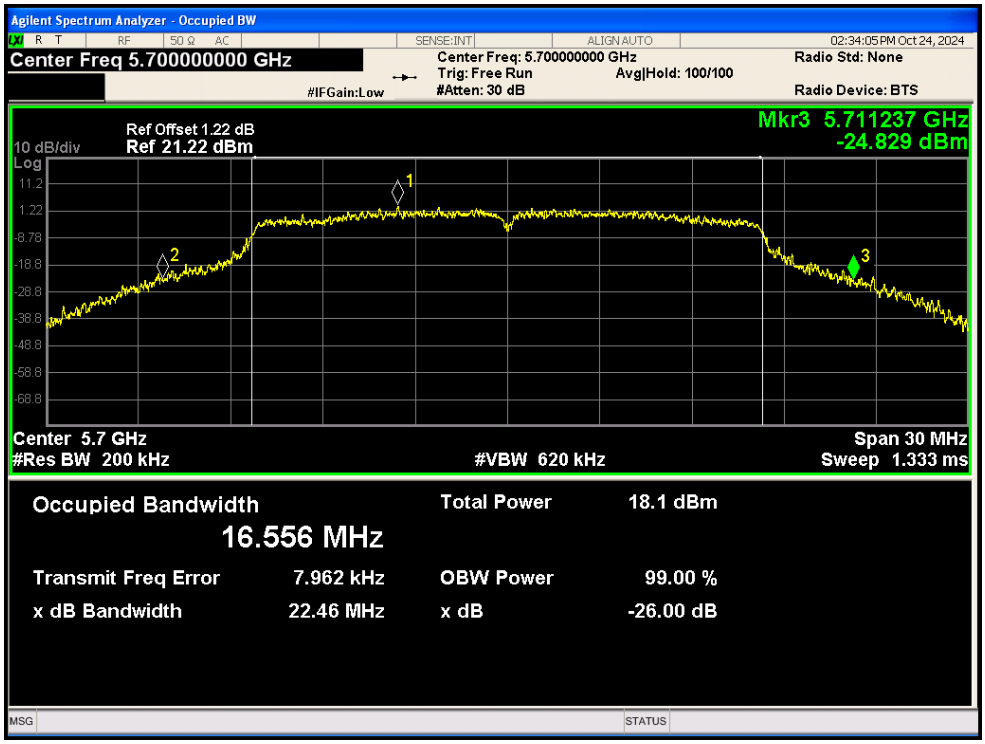
-26dB Bandwidth NVNT a 5500MHz Ant1



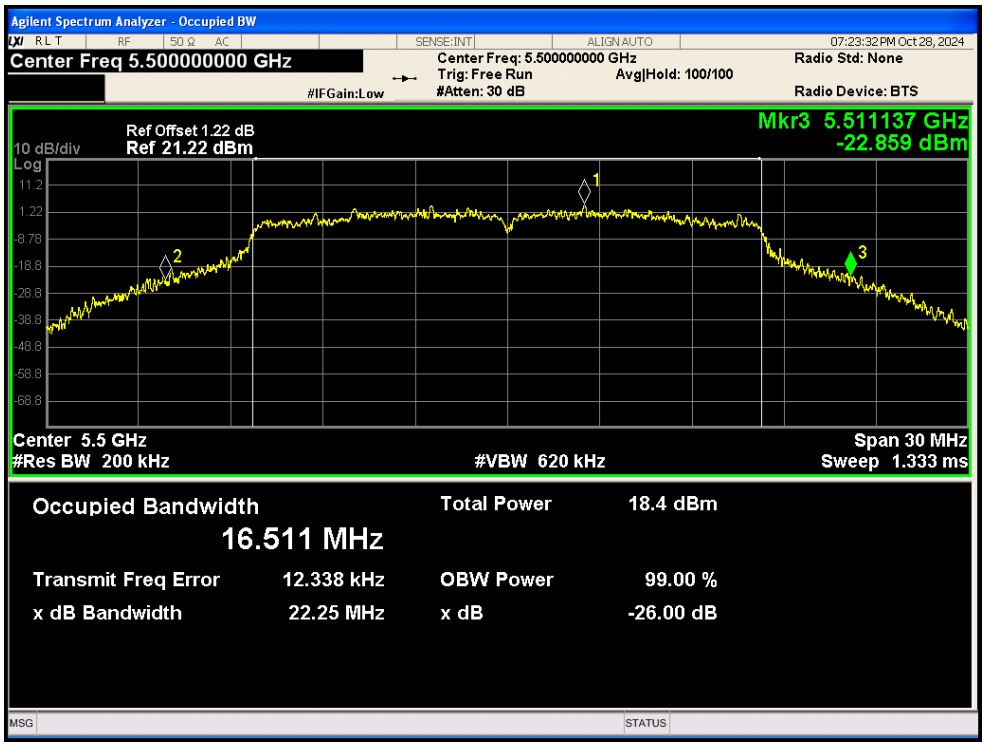
-26dB Bandwidth NVNT a 5600MHz Ant1



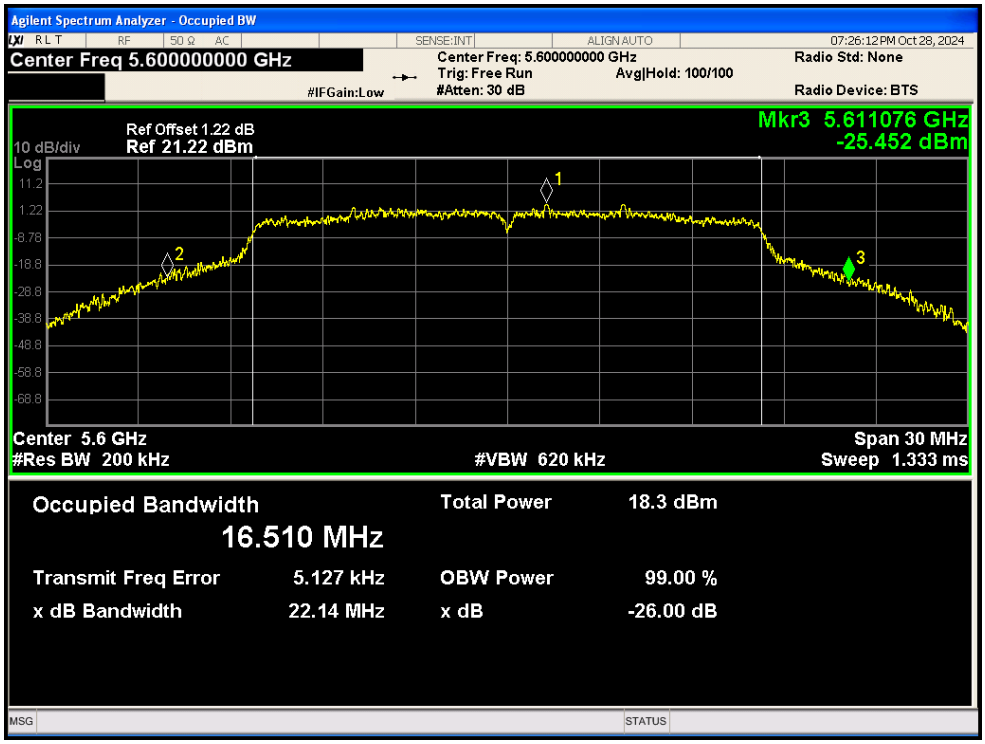
-26dB Bandwidth NVNT a 5700MHz Ant1



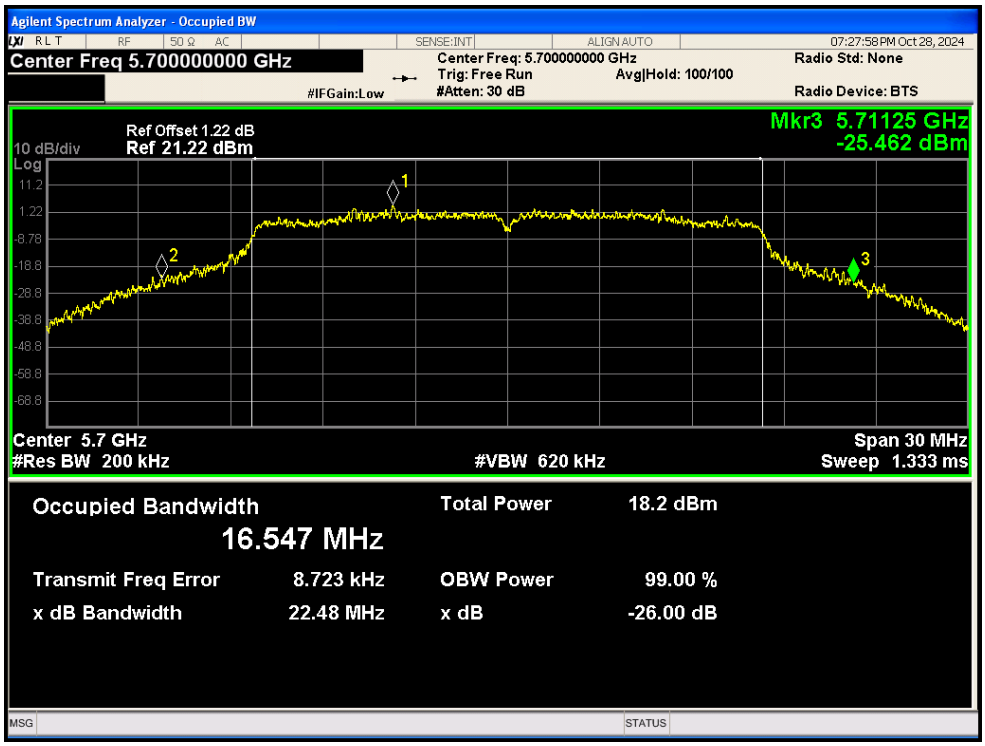
-26dB Bandwidth NVNT a 5500MHz Ant2



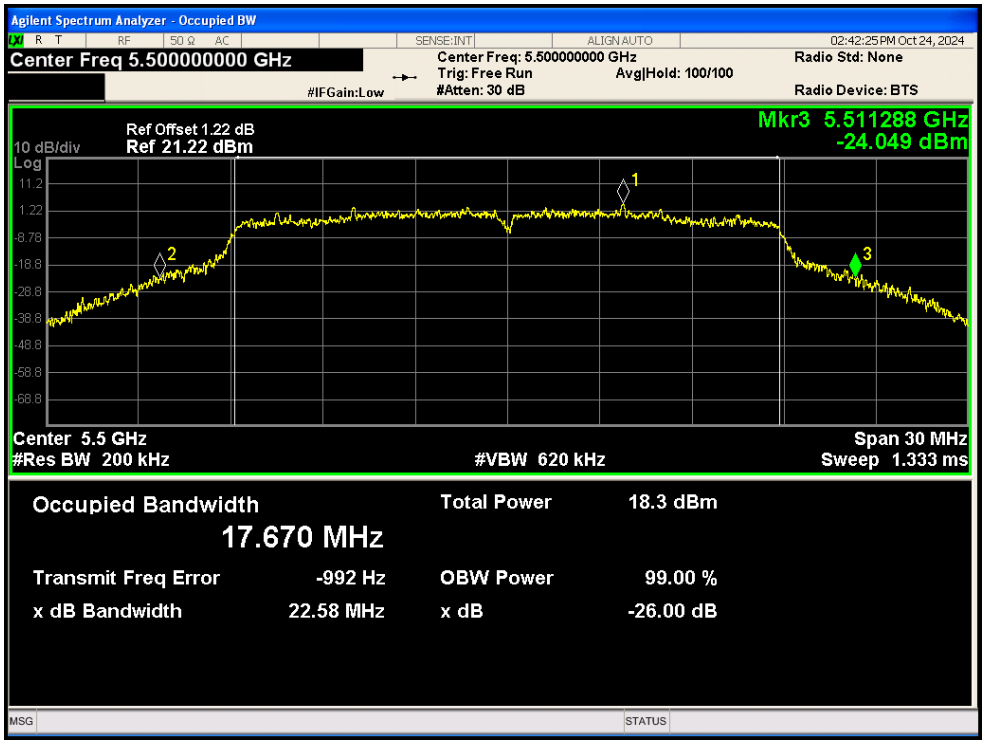
-26dB Bandwidth NVNT a 5600MHz Ant2



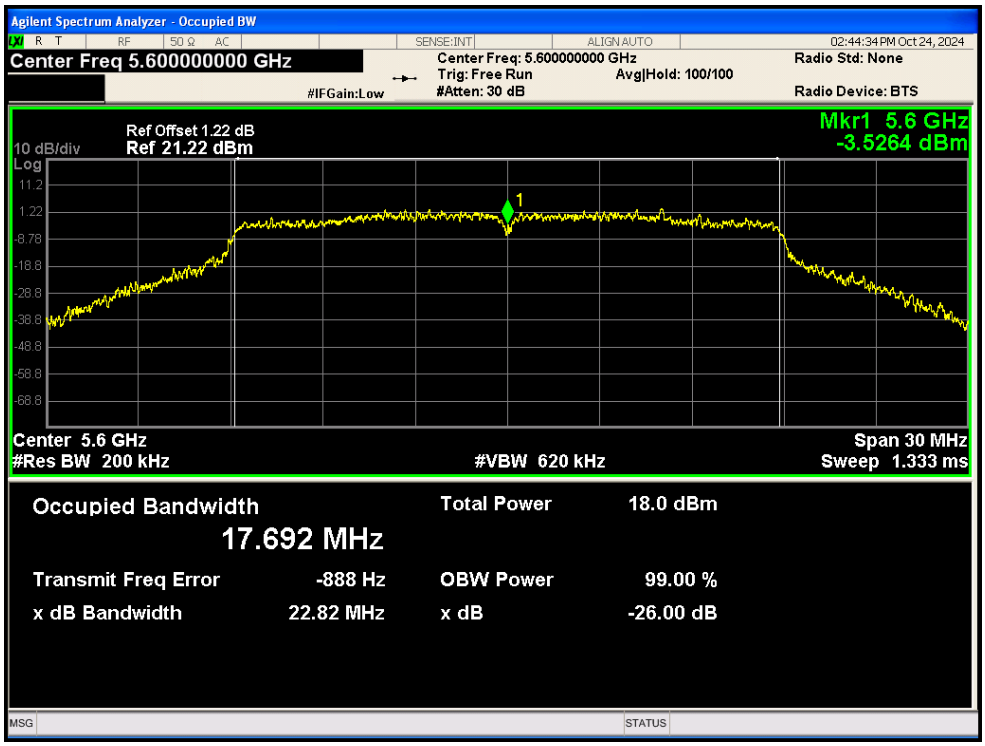
-26dB Bandwidth NVNT a 5700MHz Ant2



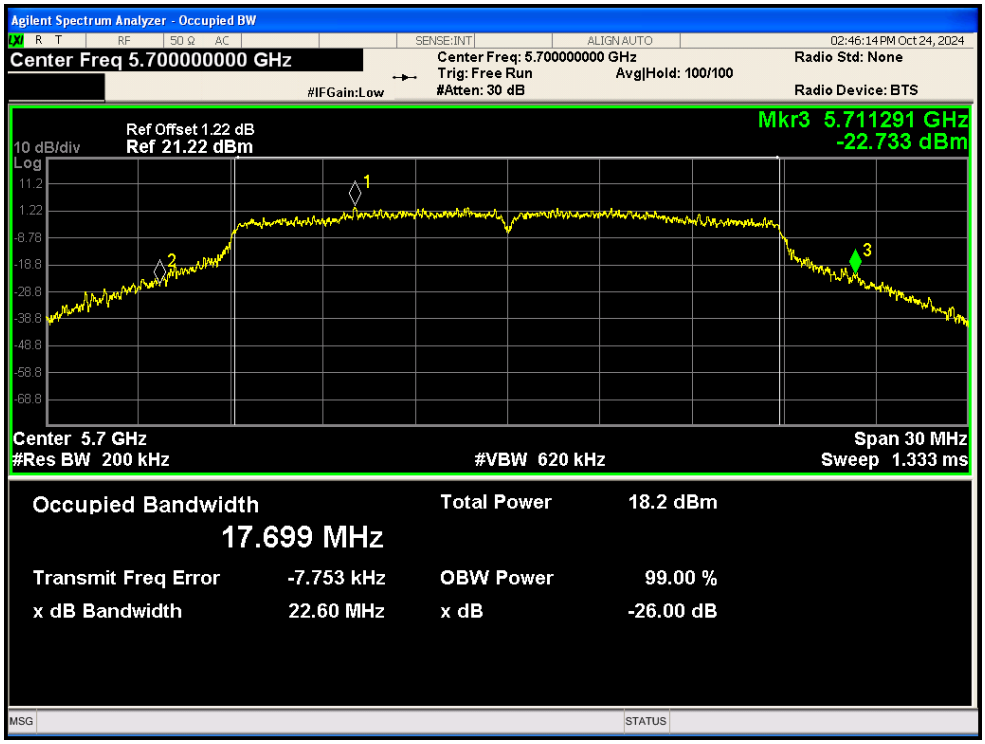
-26dB Bandwidth NVNT ac20 5500MHz Ant1



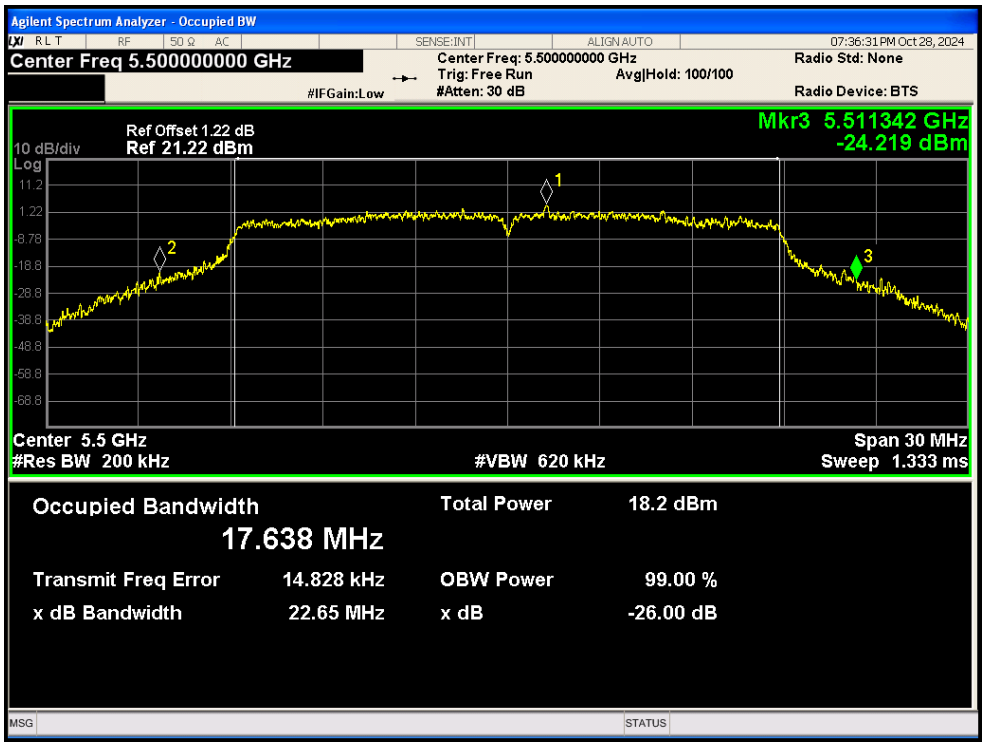
-26dB Bandwidth NVNT ac20 5600MHz Ant1



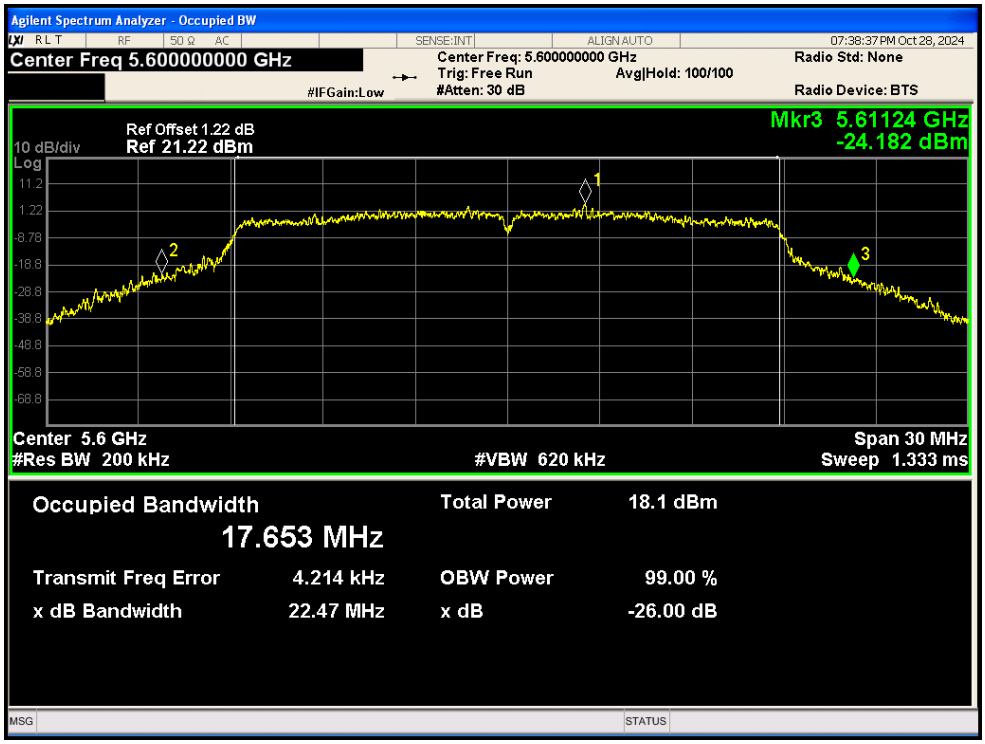
-26dB Bandwidth NVNT ac20 5700MHz Ant1



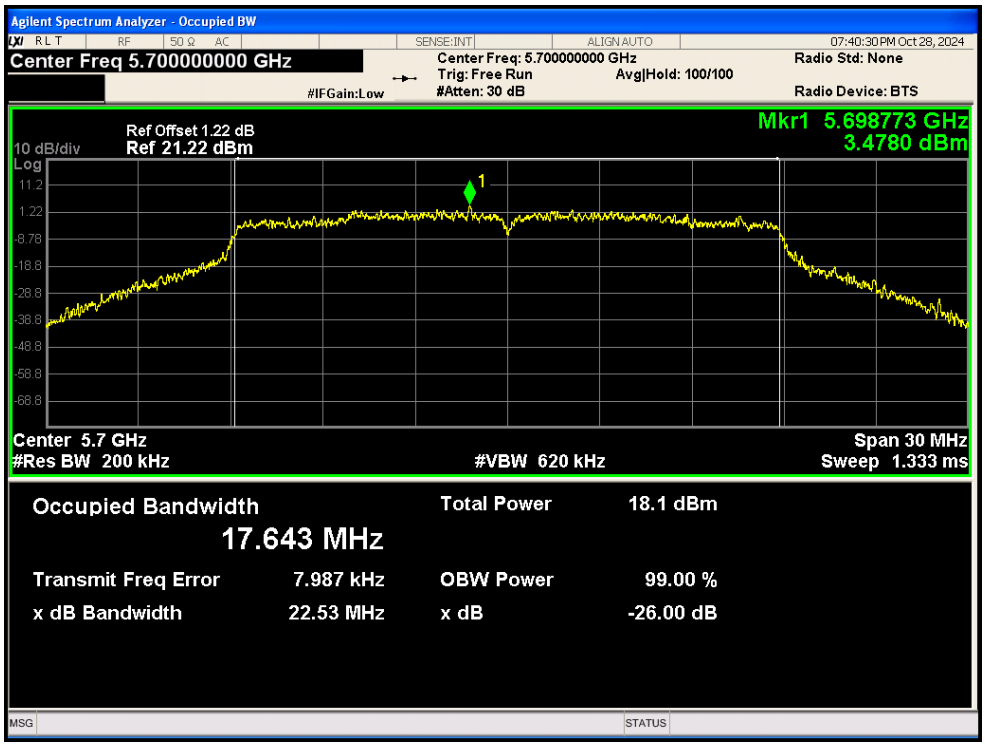
-26dB Bandwidth NVNT ac20 5500MHz Ant2



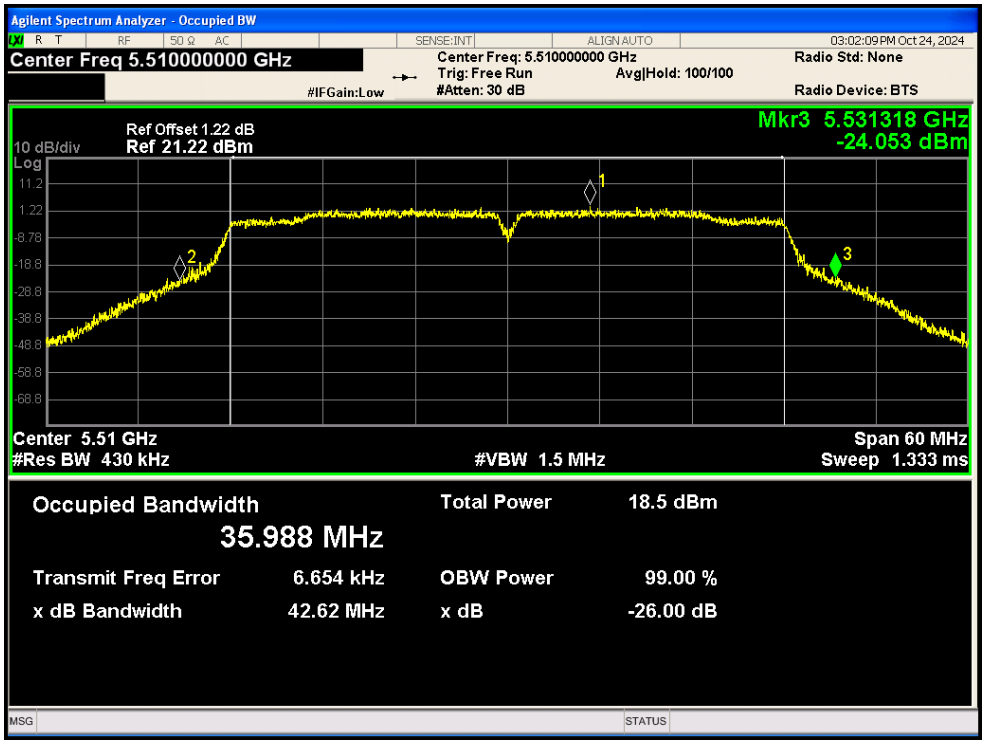
-26dB Bandwidth NVNT ac20 5600MHz Ant2



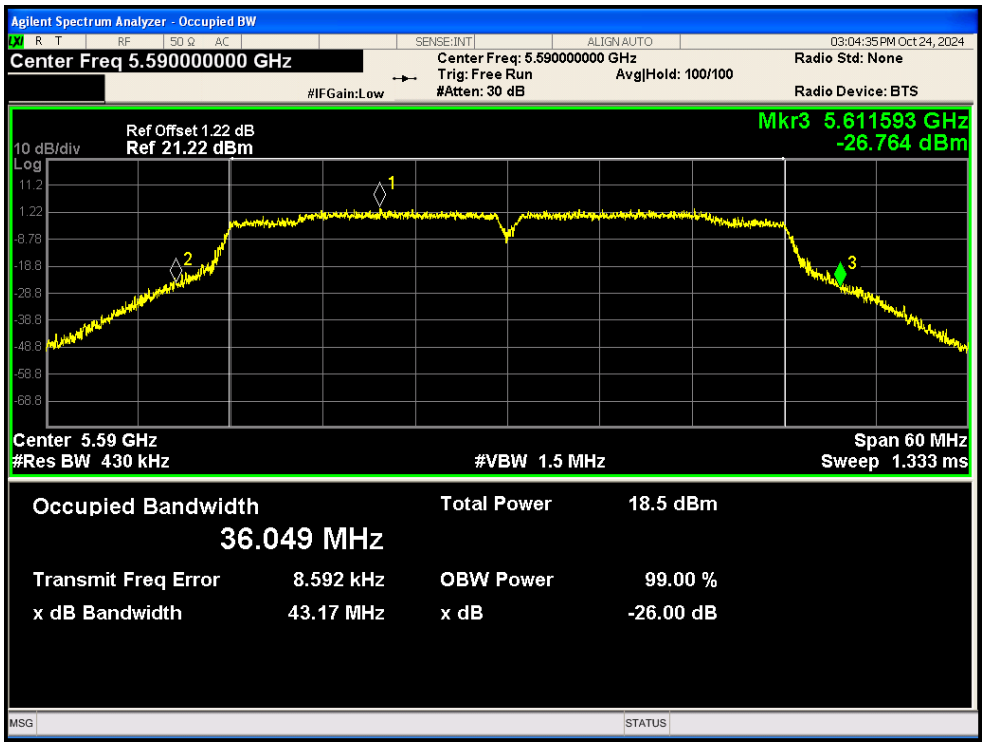
-26dB Bandwidth NVNT ac20 5700MHz Ant2



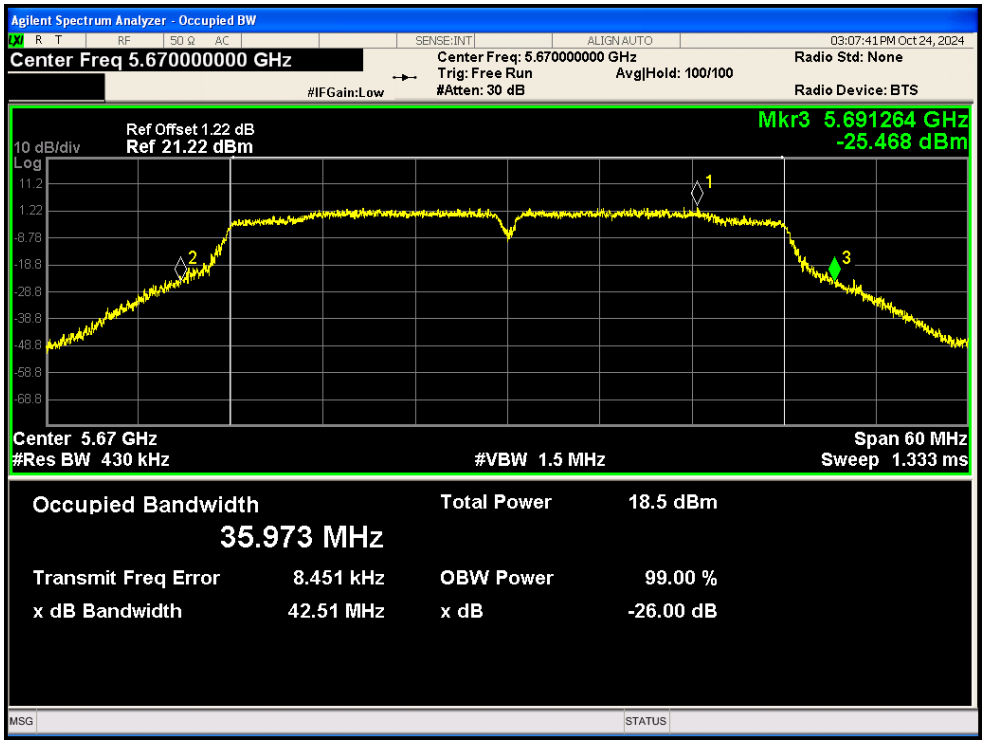
-26dB Bandwidth NVNT ac40 5510MHz Ant1



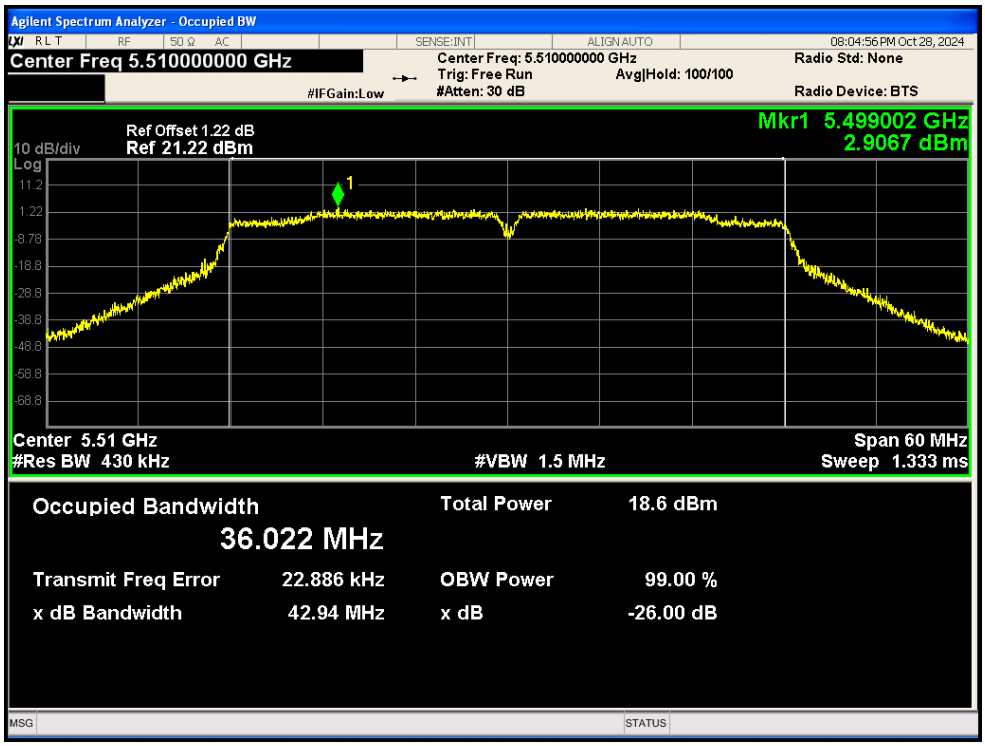
-26dB Bandwidth NVNT ac40 5590MHz Ant1



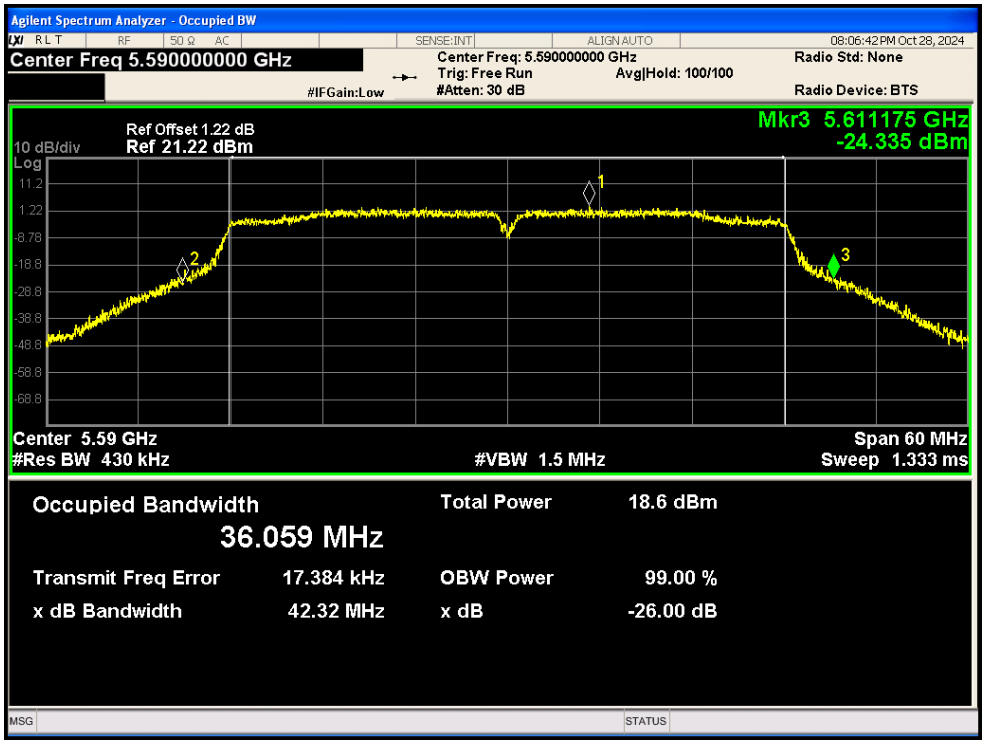
-26dB Bandwidth NVNT ac40 5670MHz Ant1



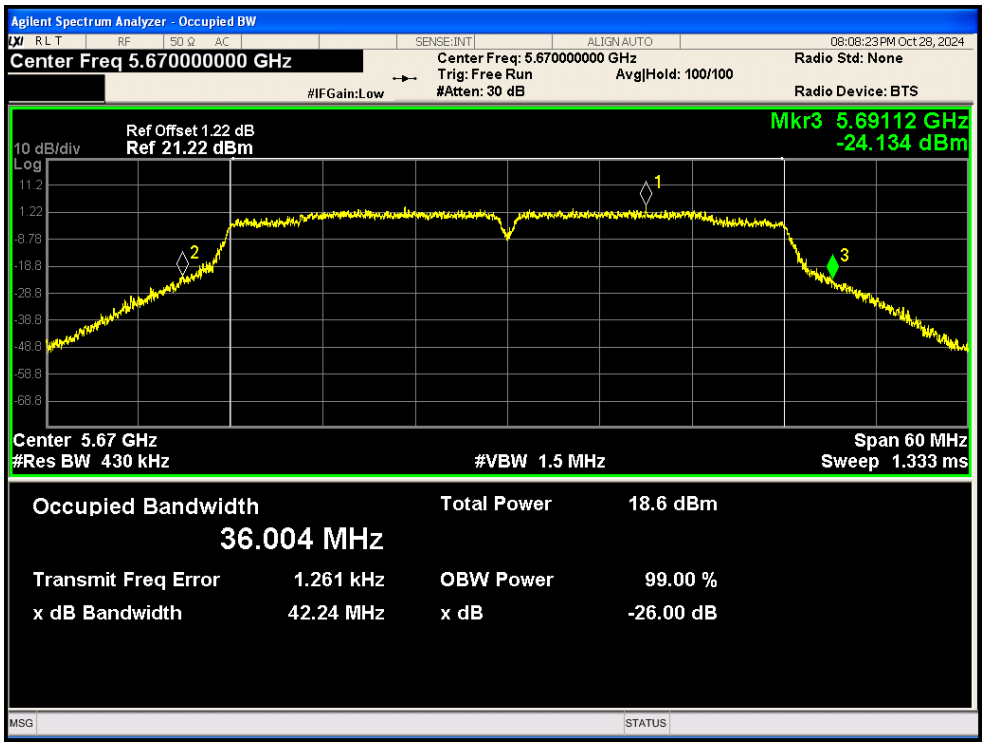
-26dB Bandwidth NVNT ac40 5510MHz Ant2



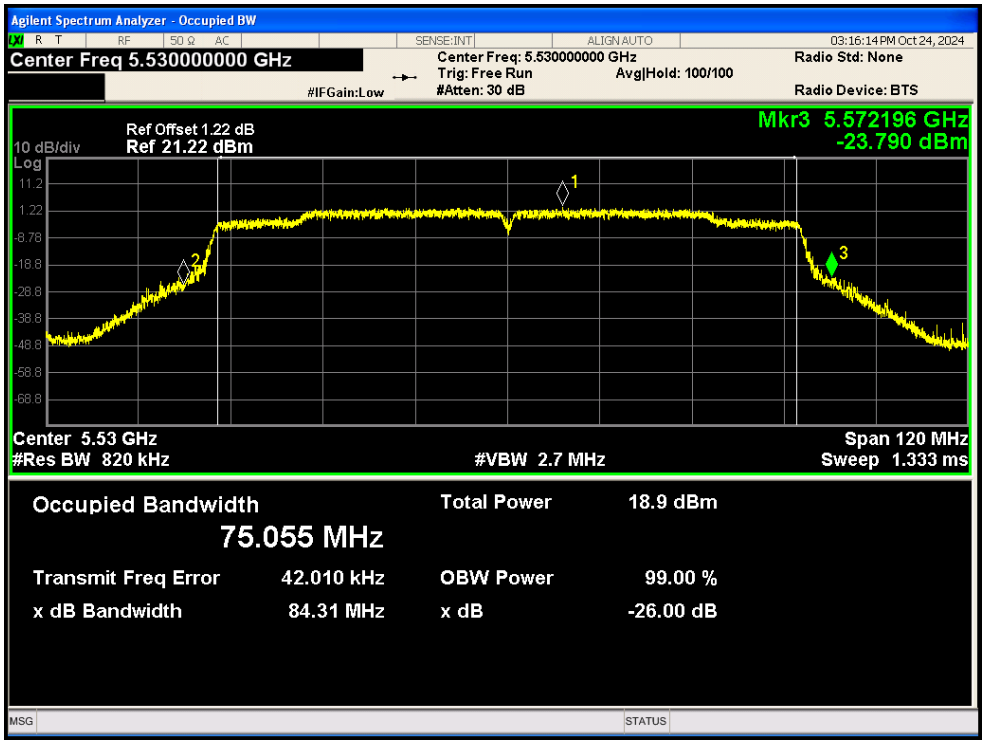
-26dB Bandwidth NVNT ac40 5590MHz Ant2



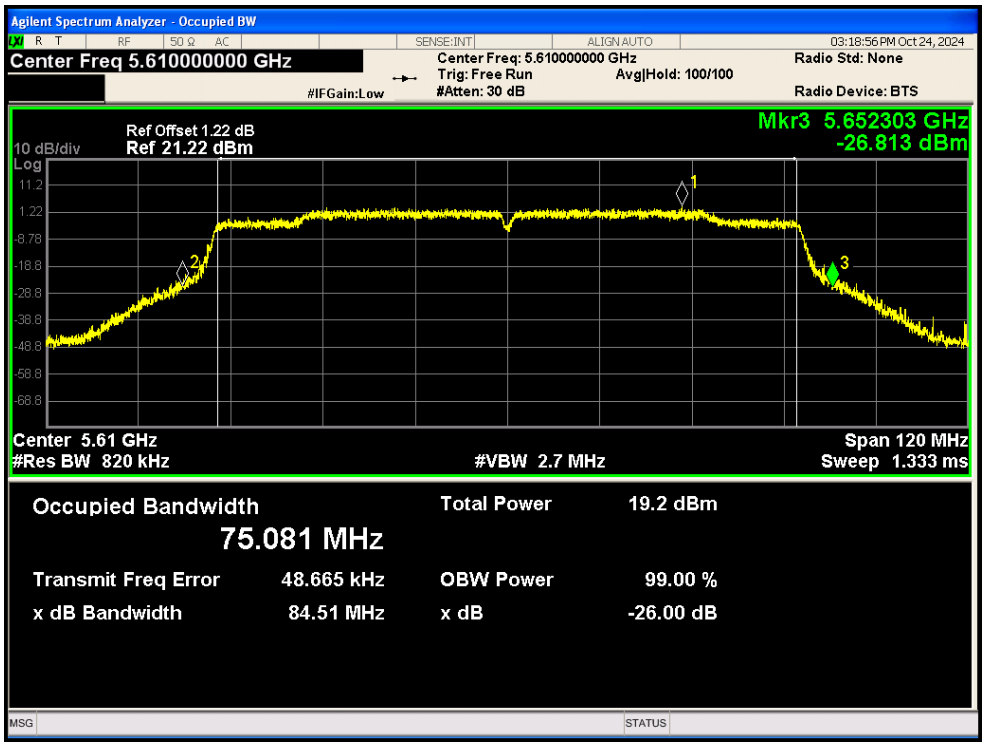
-26dB Bandwidth NVNT ac40 5670MHz Ant2



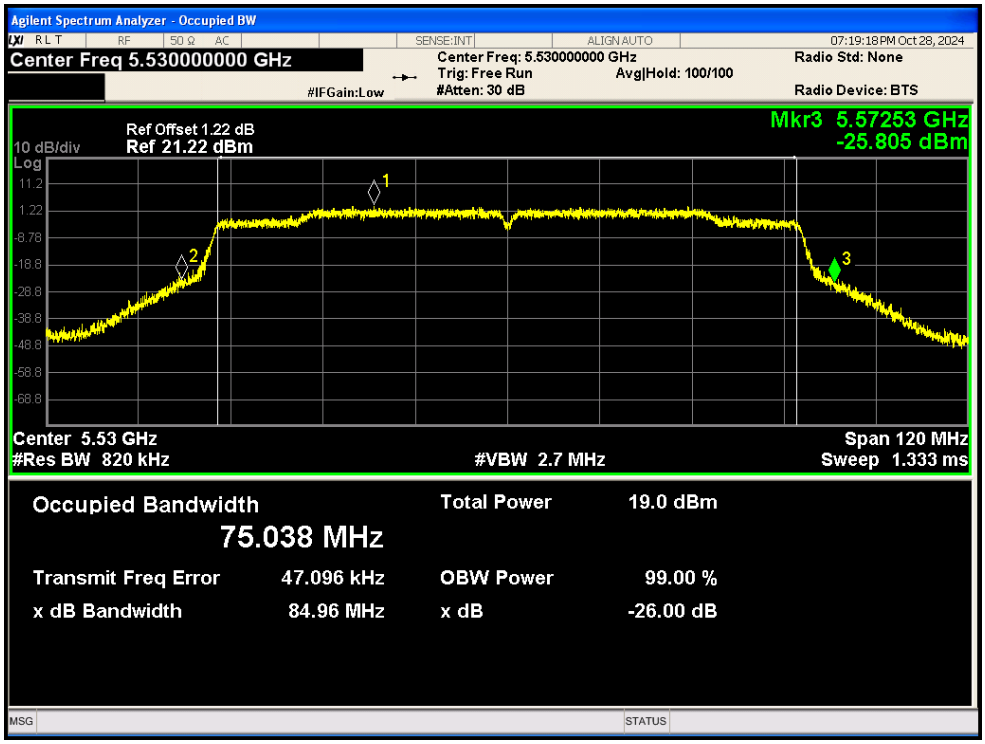
-26dB Bandwidth NVNT ac80 5530MHz Ant1



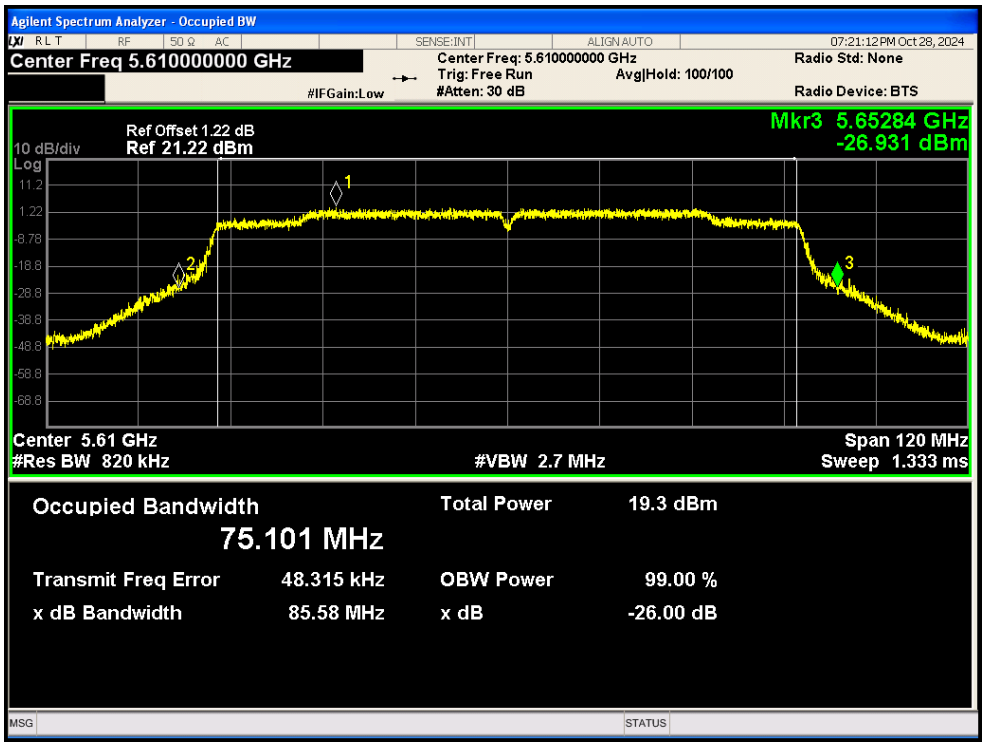
-26dB Bandwidth NVNT ac80 5610MHz Ant1



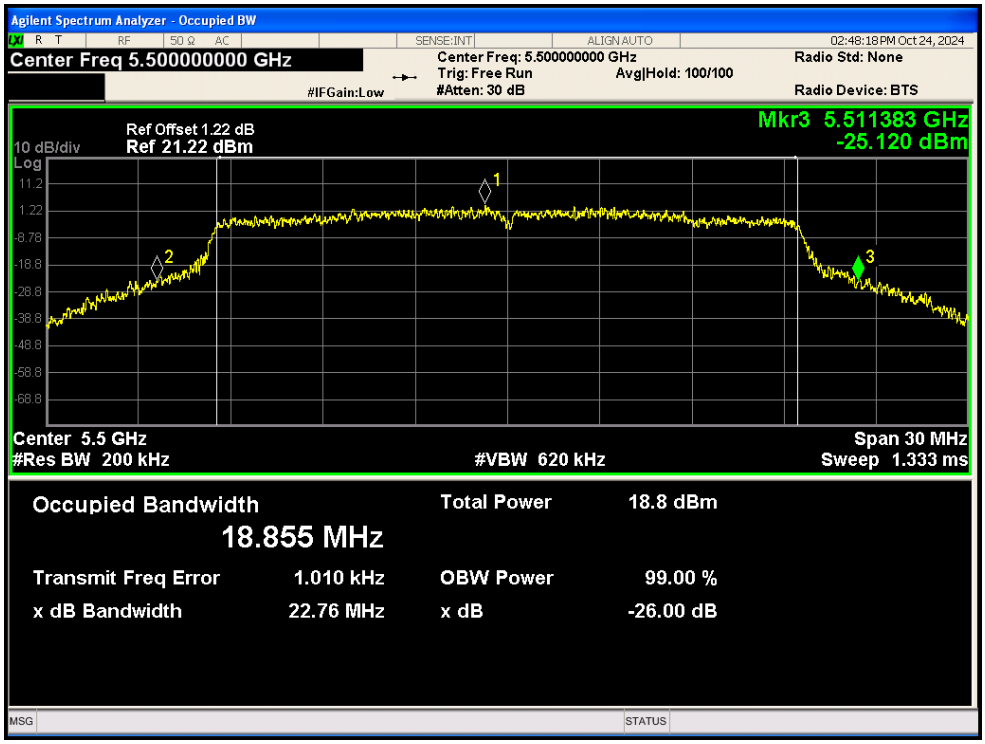
-26dB Bandwidth NVNT ac80 5530MHz Ant2



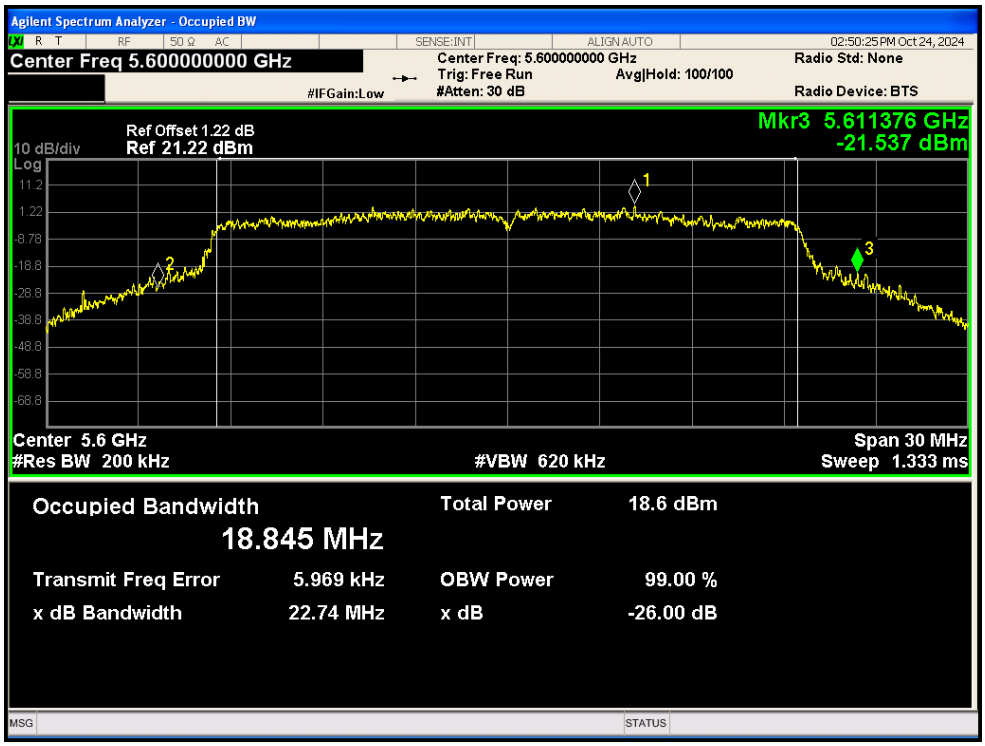
-26dB Bandwidth NVNT ac80 5610MHz Ant2



-26dB Bandwidth NVNT ax20 5500MHz Ant1



-26dB Bandwidth NVNT ax20 5600MHz Ant1



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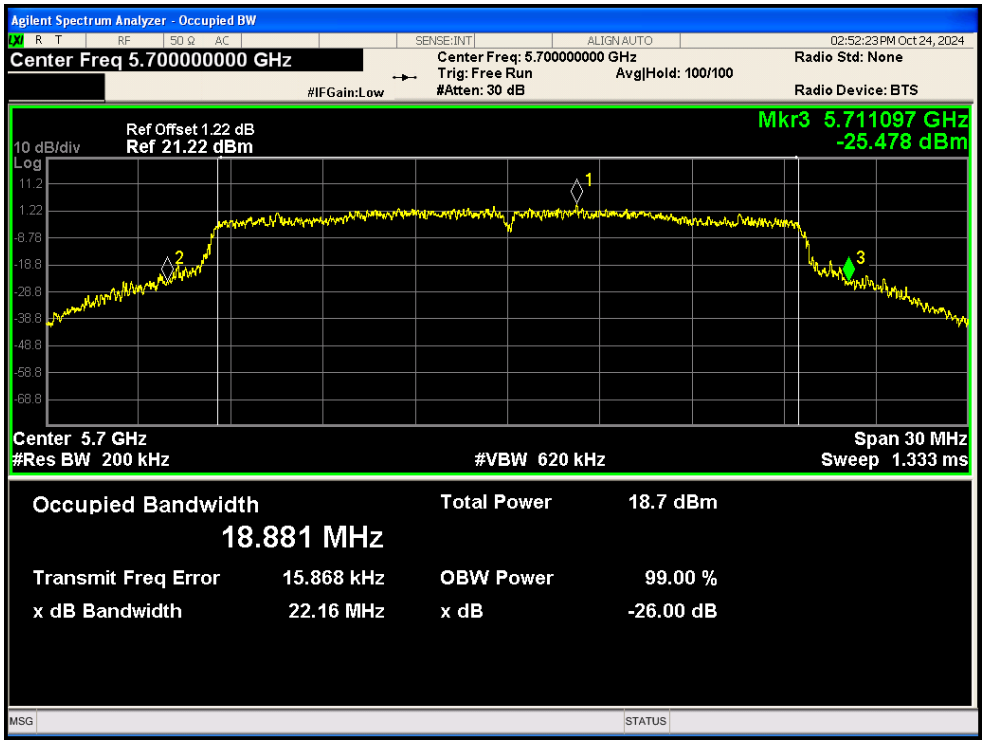

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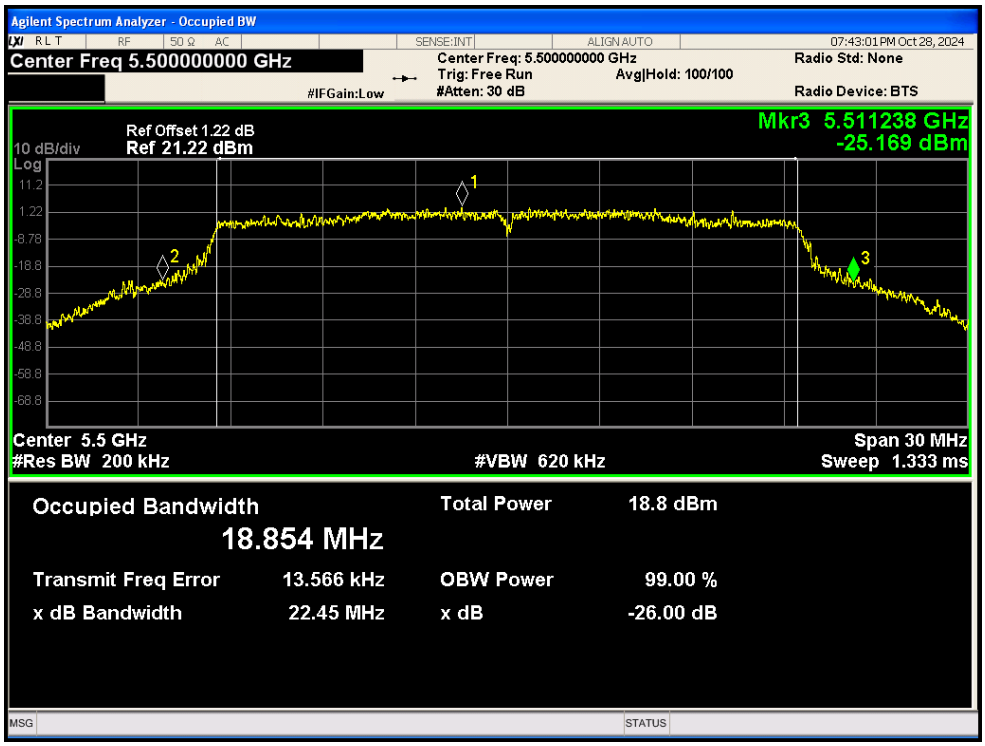
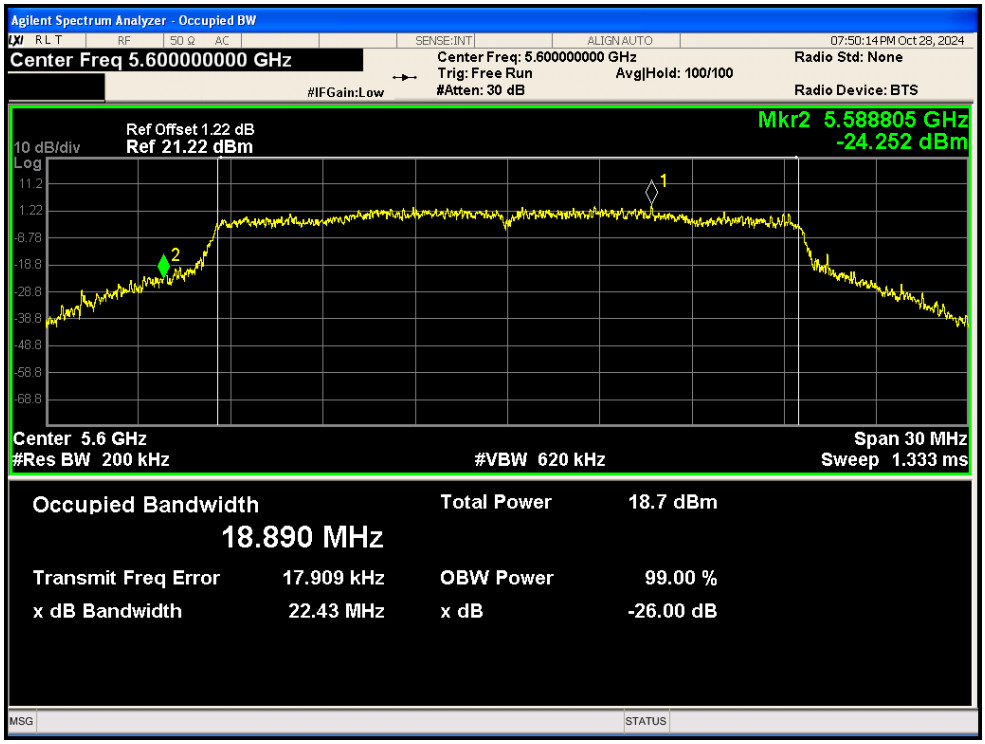
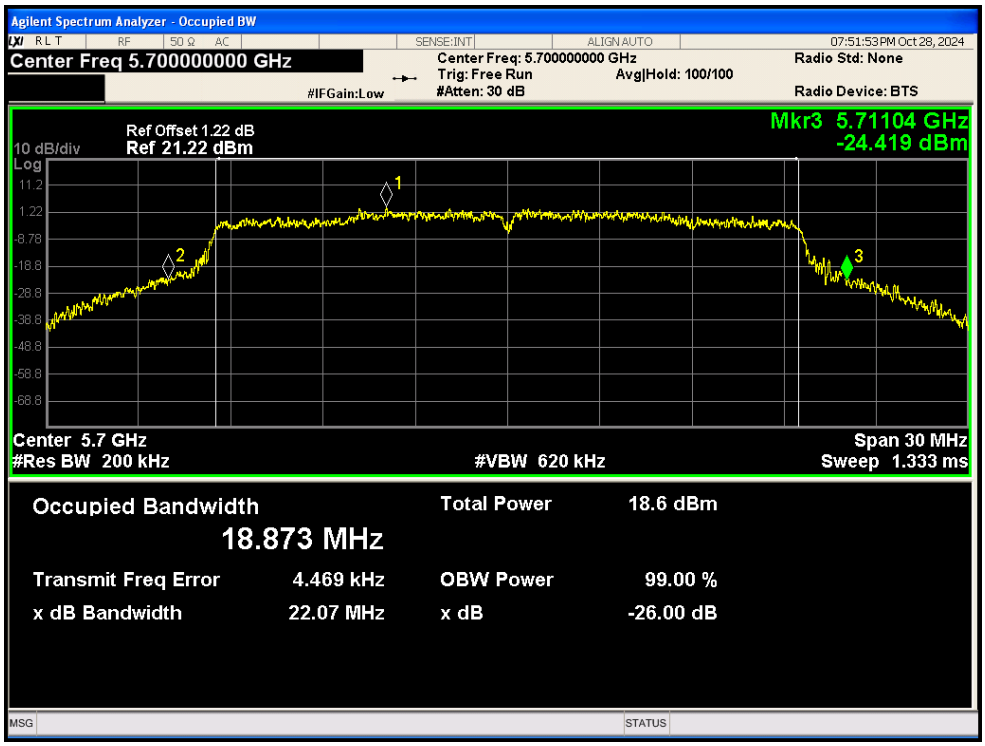


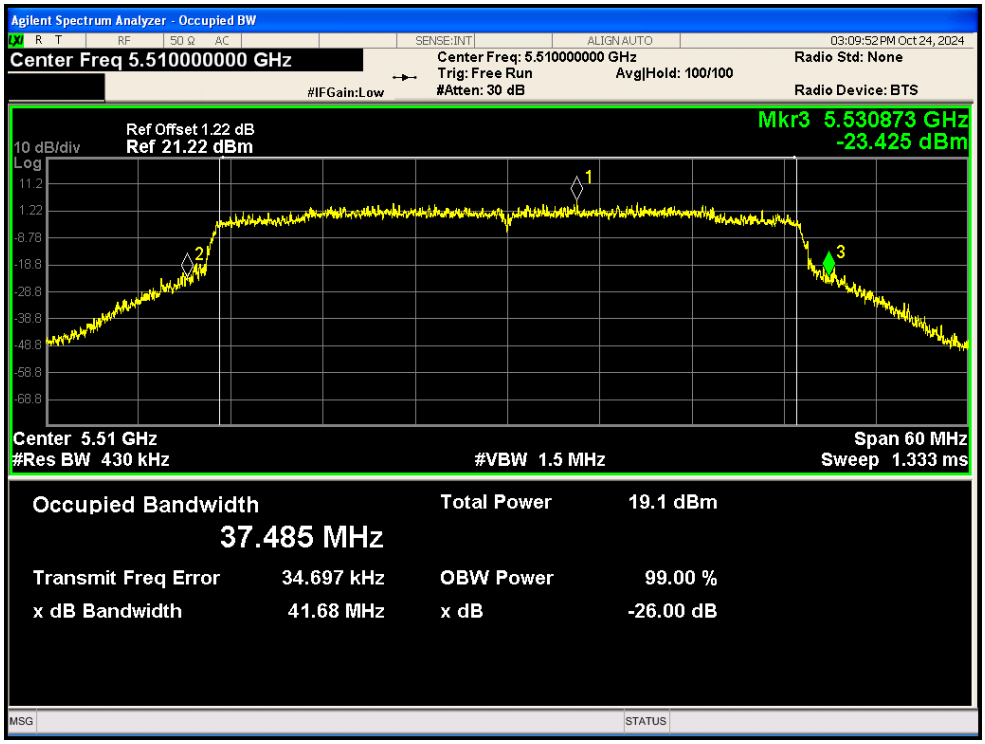
-26dB Bandwidth NVNT ax20 5600MHz Ant2



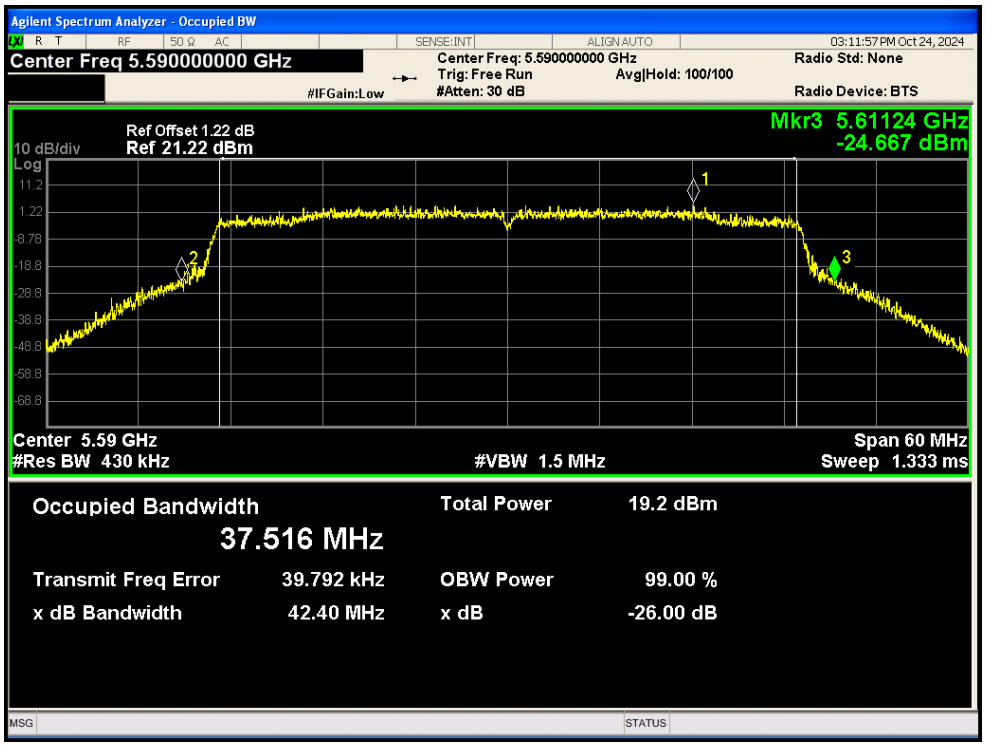
-26dB Bandwidth NVNT ax20 5700MHz Ant2



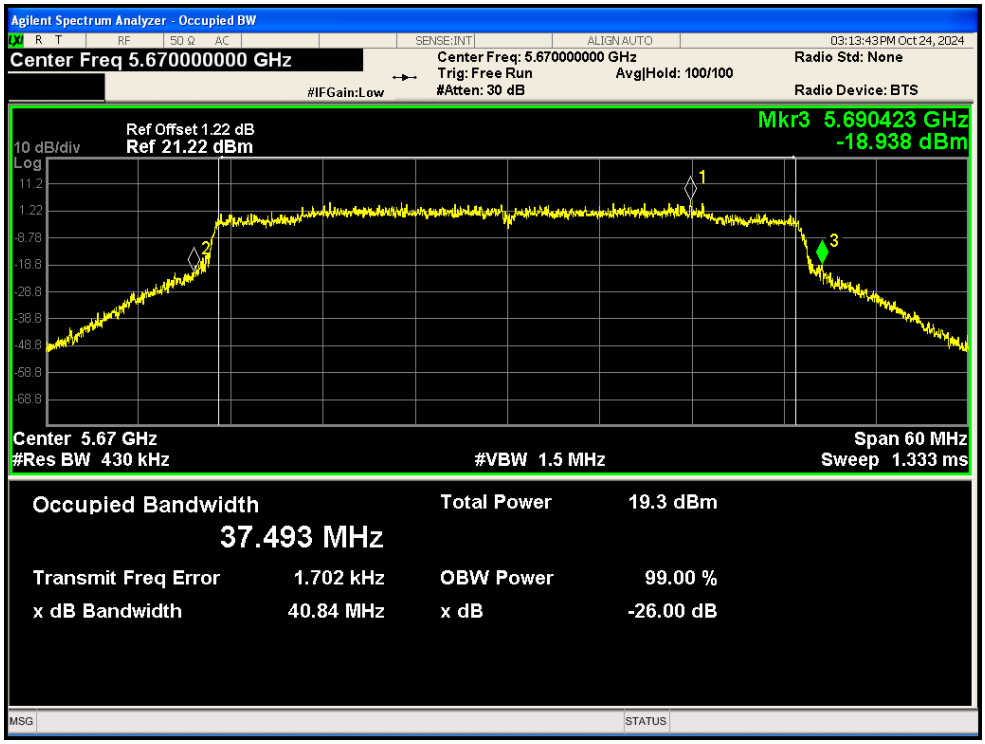
-26dB Bandwidth NVNT ax40 5510MHz Ant1



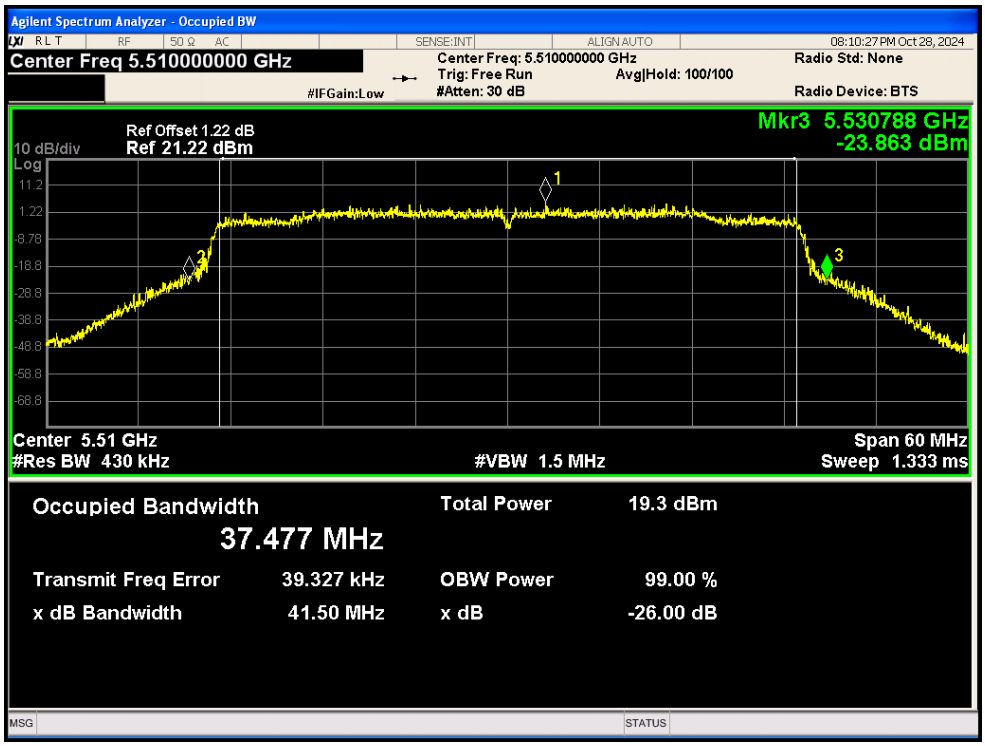
-26dB Bandwidth NVNT ax40 5590MHz Ant1



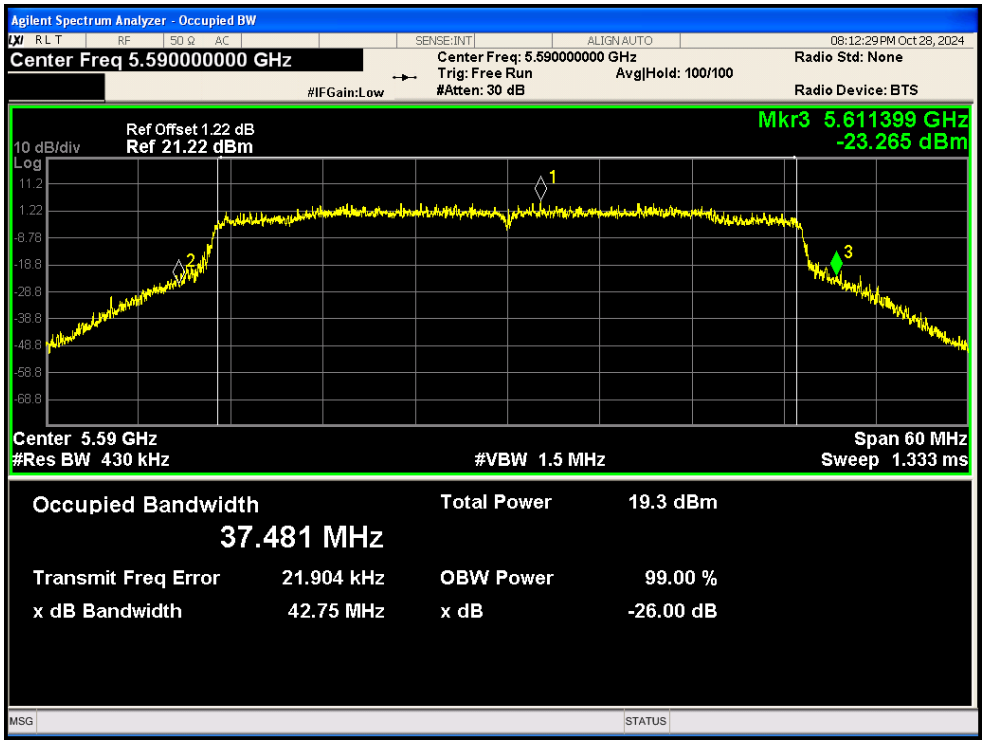
-26dB Bandwidth NVNT ax40 5670MHz Ant1



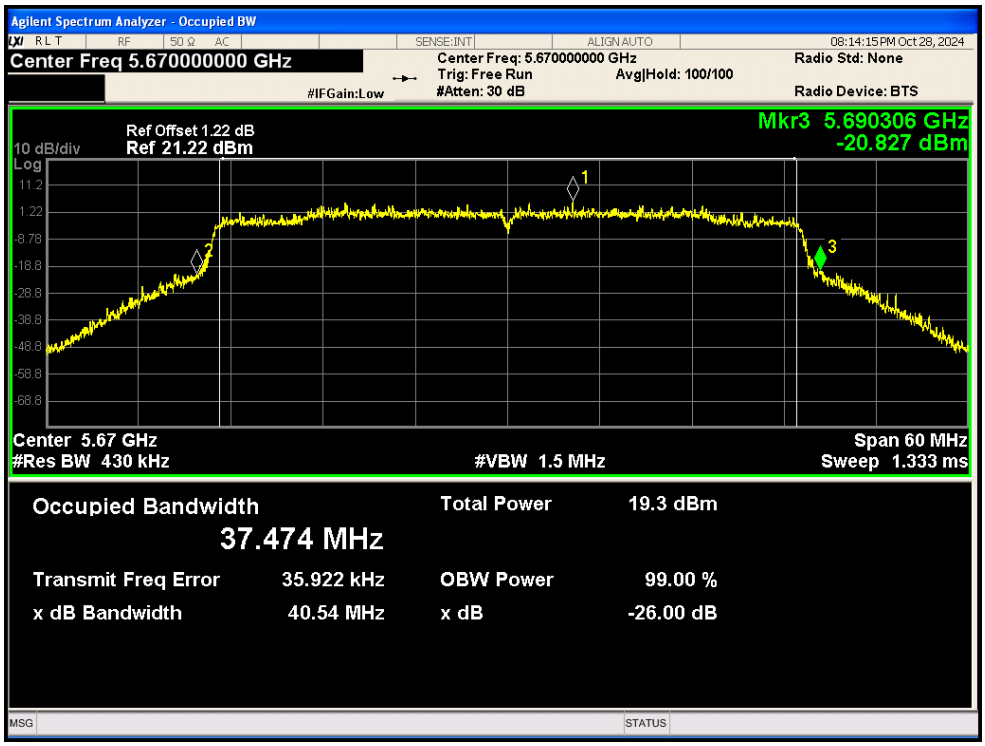
-26dB Bandwidth NVNT ax40 5510MHz Ant2



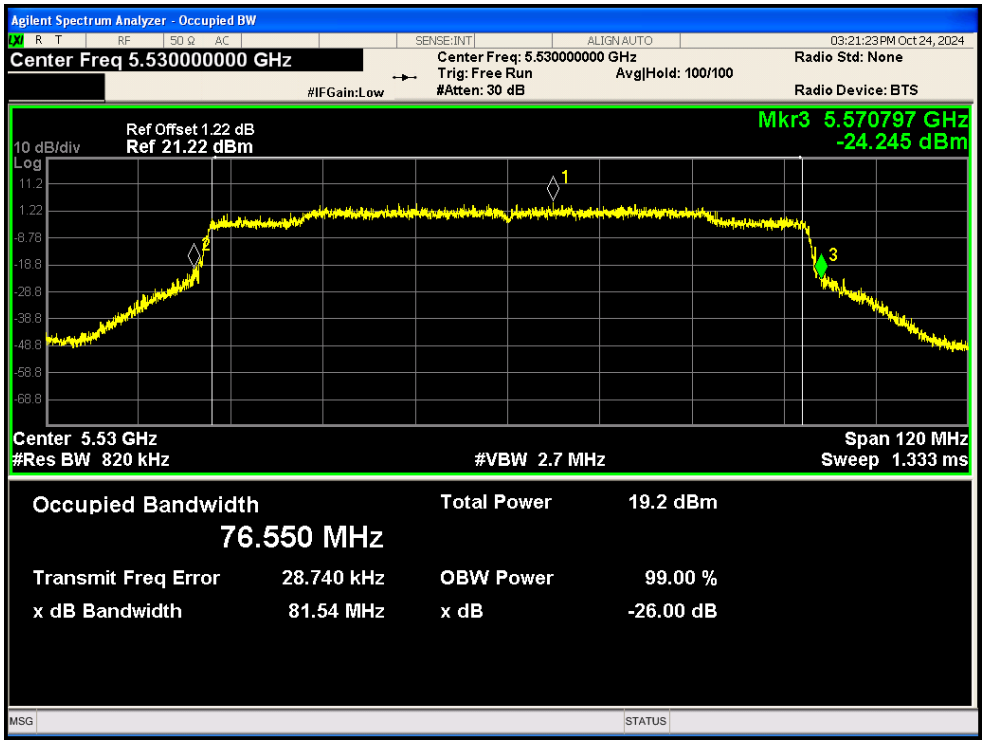
-26dB Bandwidth NVNT ax40 5590MHz Ant2



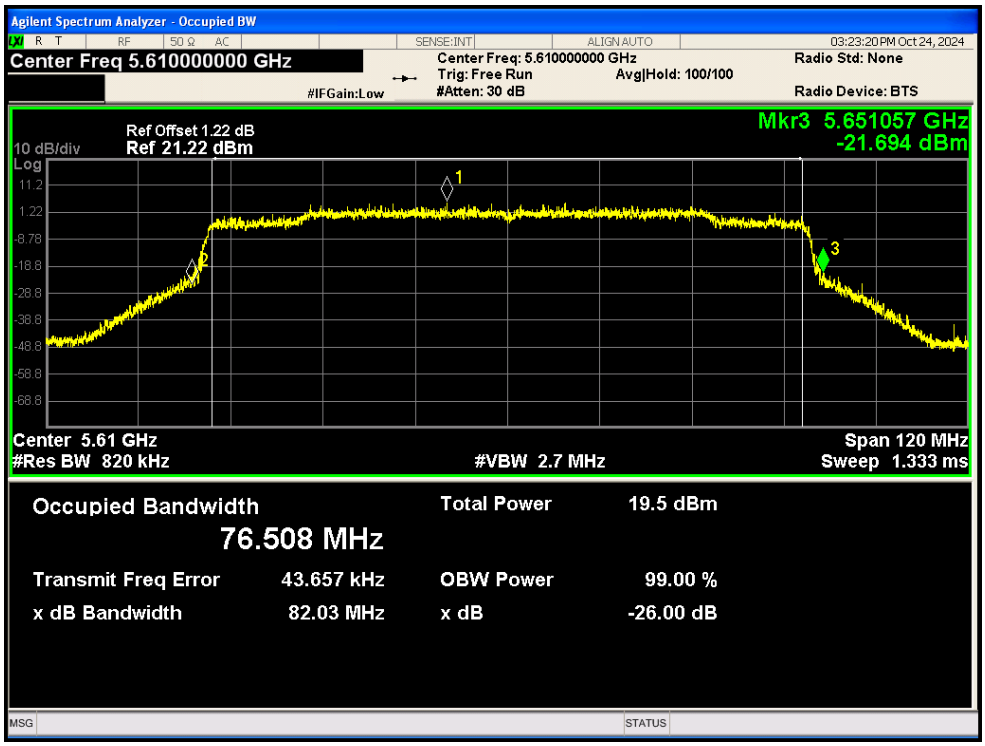
-26dB Bandwidth NVNT ax40 5670MHz Ant2



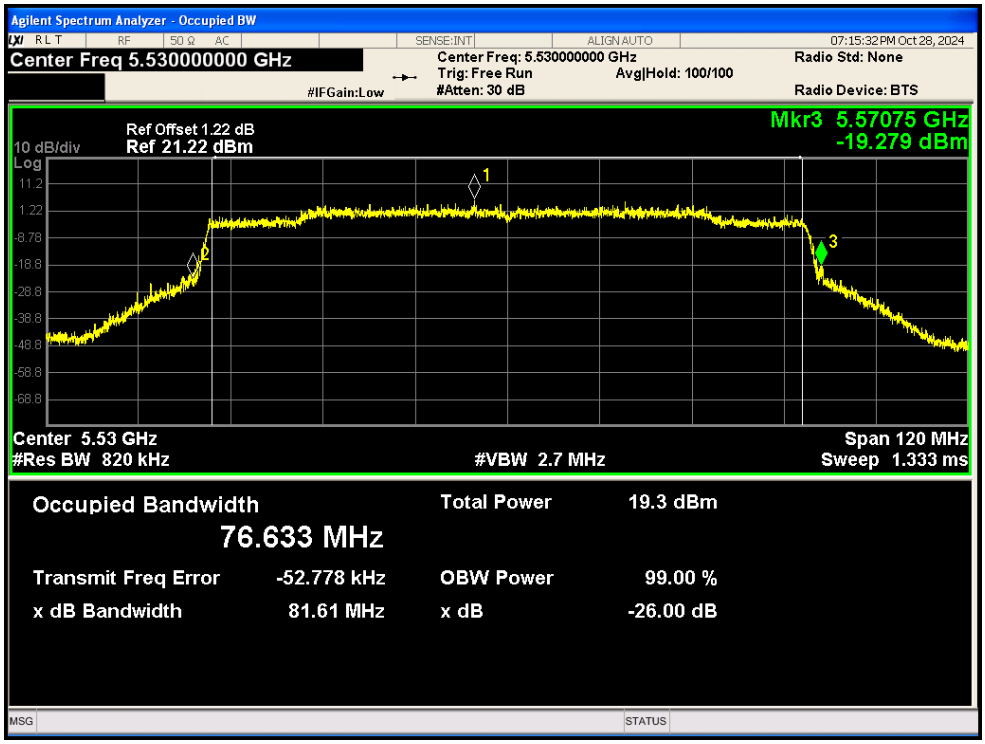
-26dB Bandwidth NVNT ax80 5530MHz Ant1



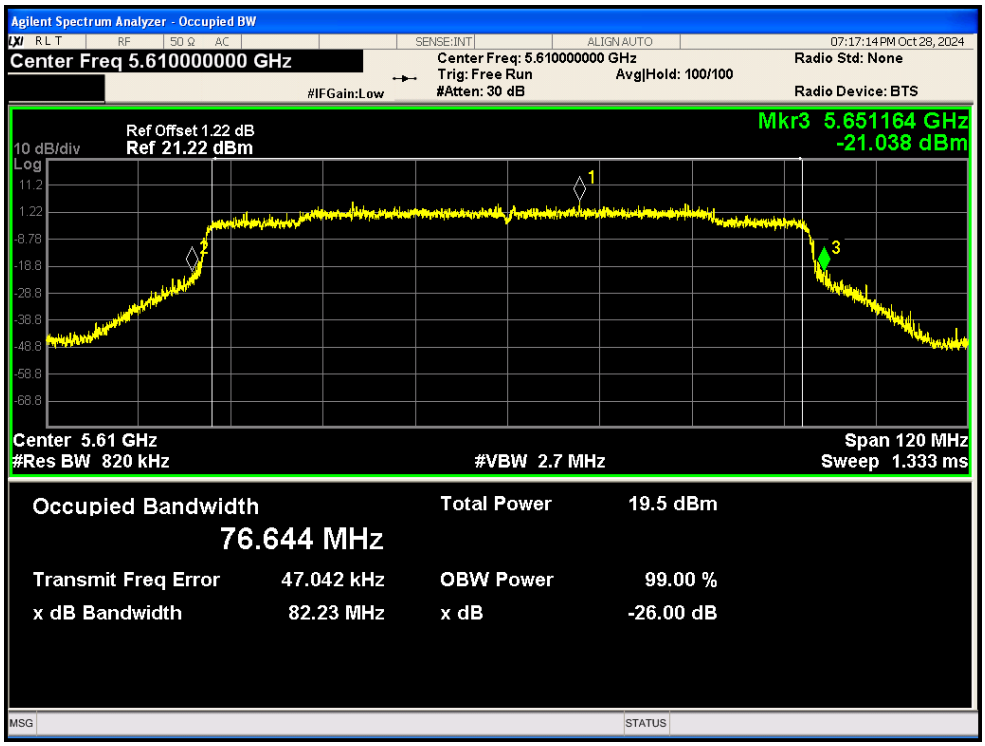
-26dB Bandwidth NVNT ax80 5610MHz Ant1



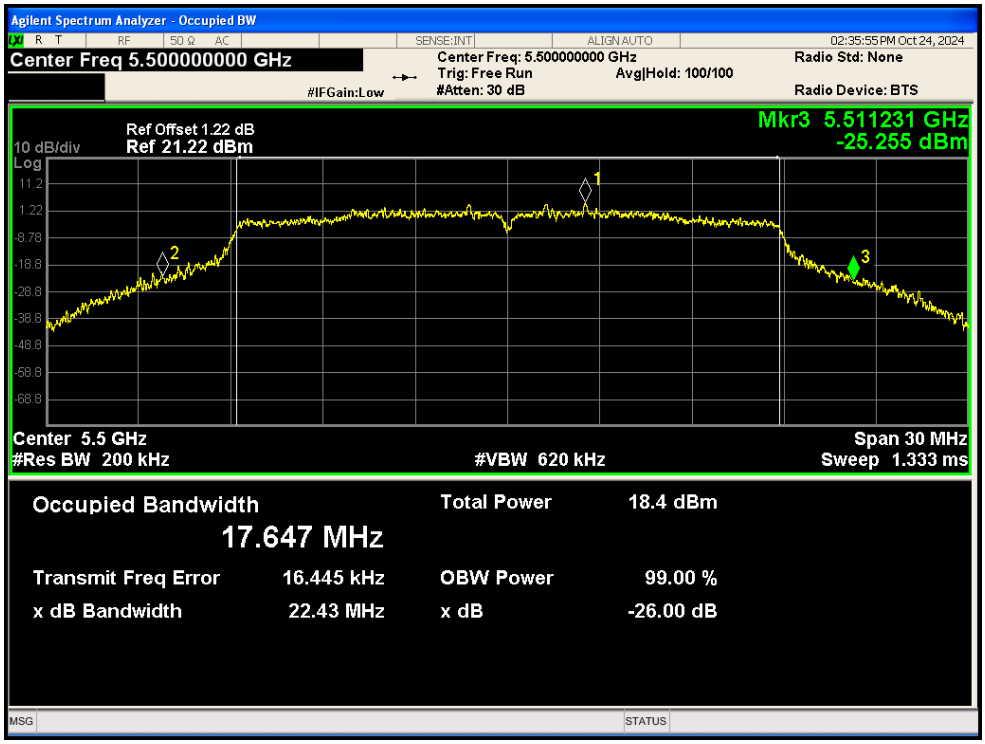
-26dB Bandwidth NVNT ax80 5530MHz Ant2



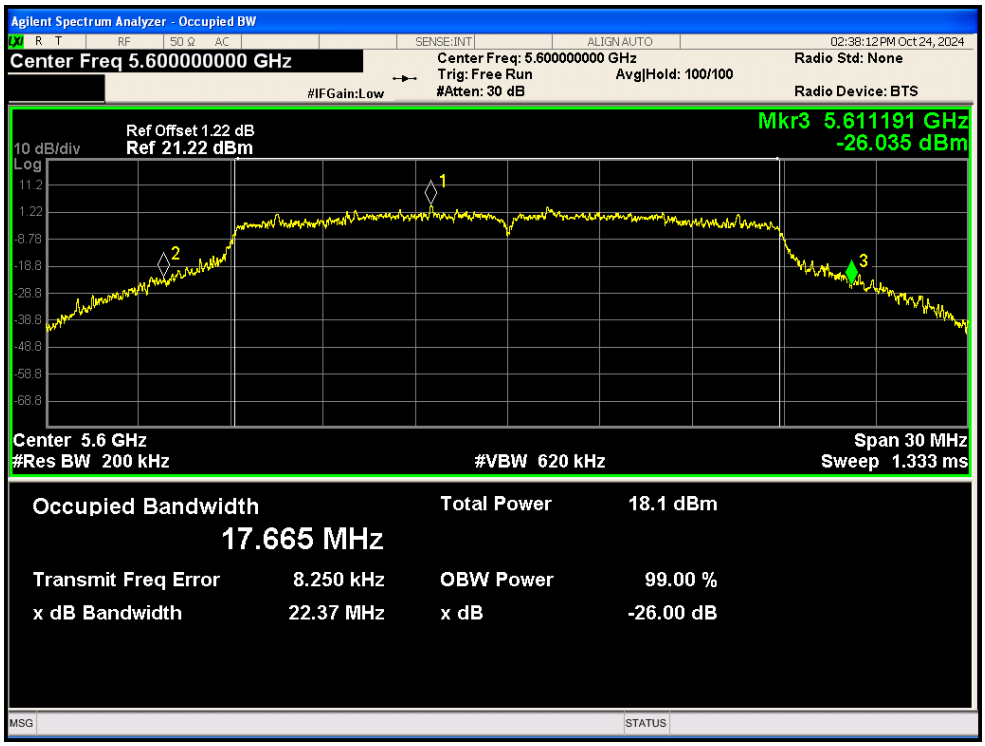
-26dB Bandwidth NVNT ax80 5610MHz Ant2



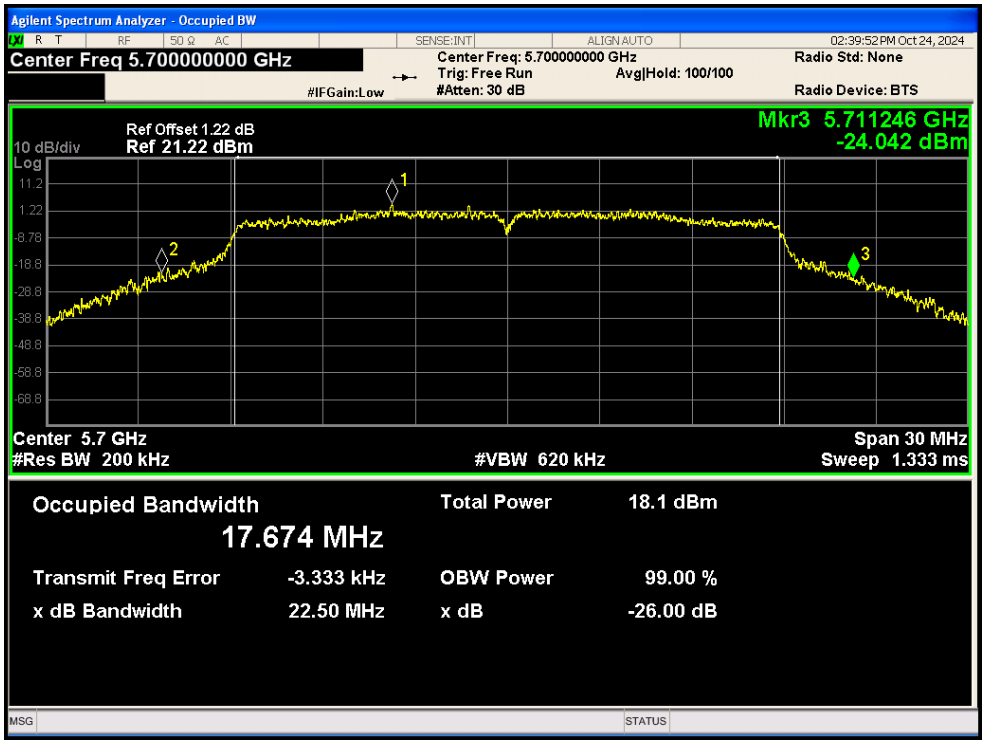
-26dB Bandwidth NVNT n20 5500MHz Ant1



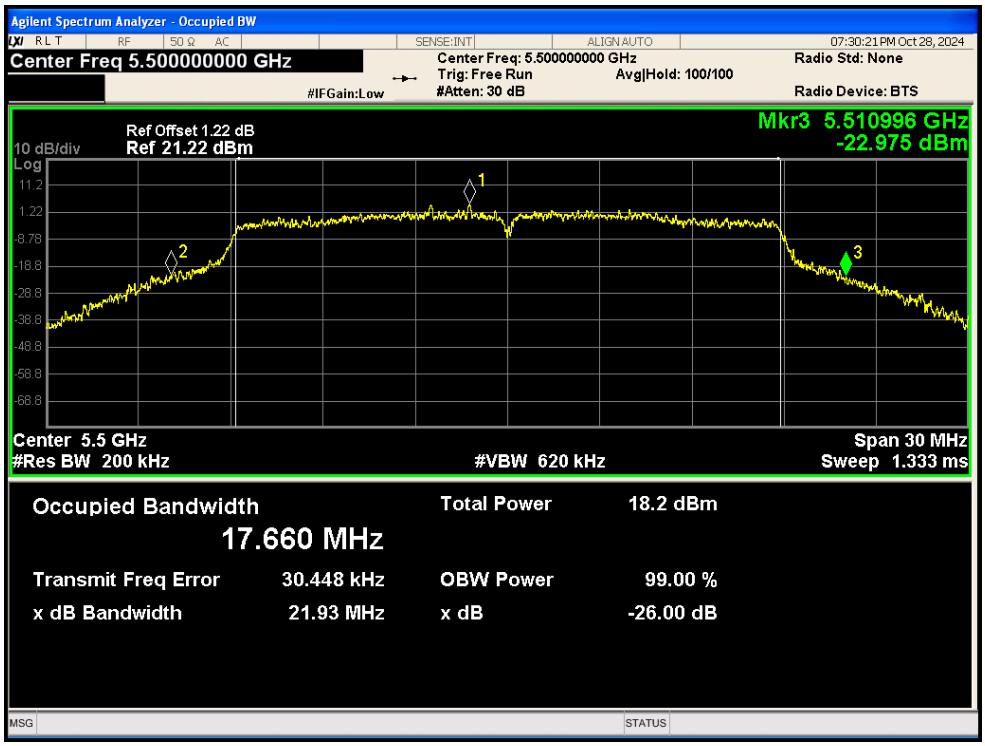
-26dB Bandwidth NVNT n20 5600MHz Ant1



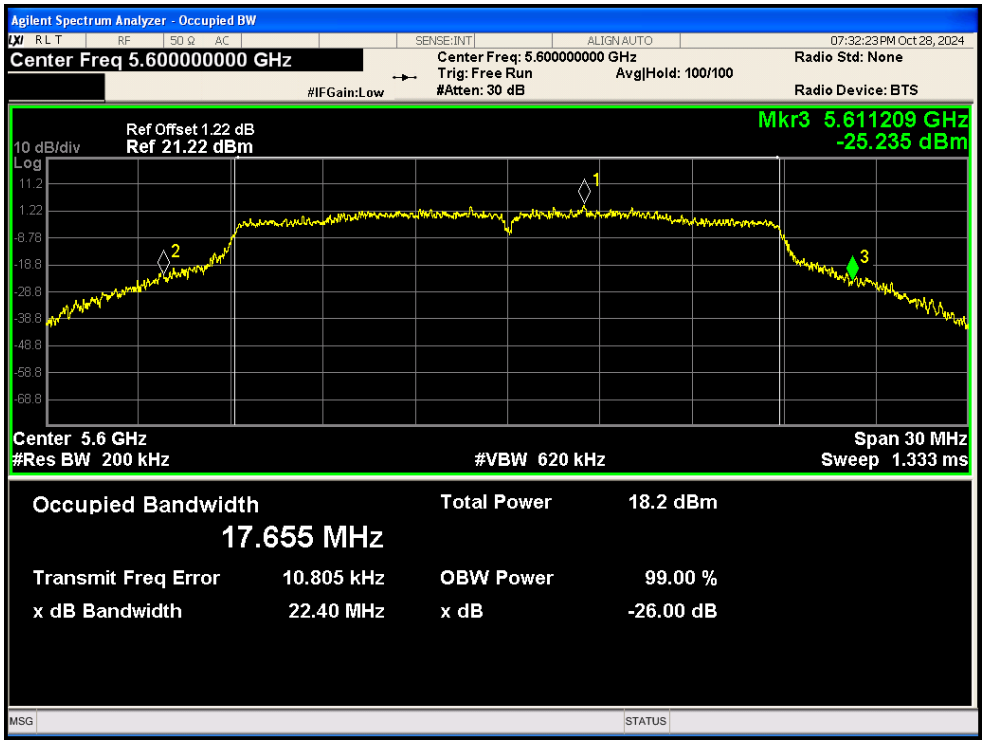
-26dB Bandwidth NVNT n20 5700MHz Ant1



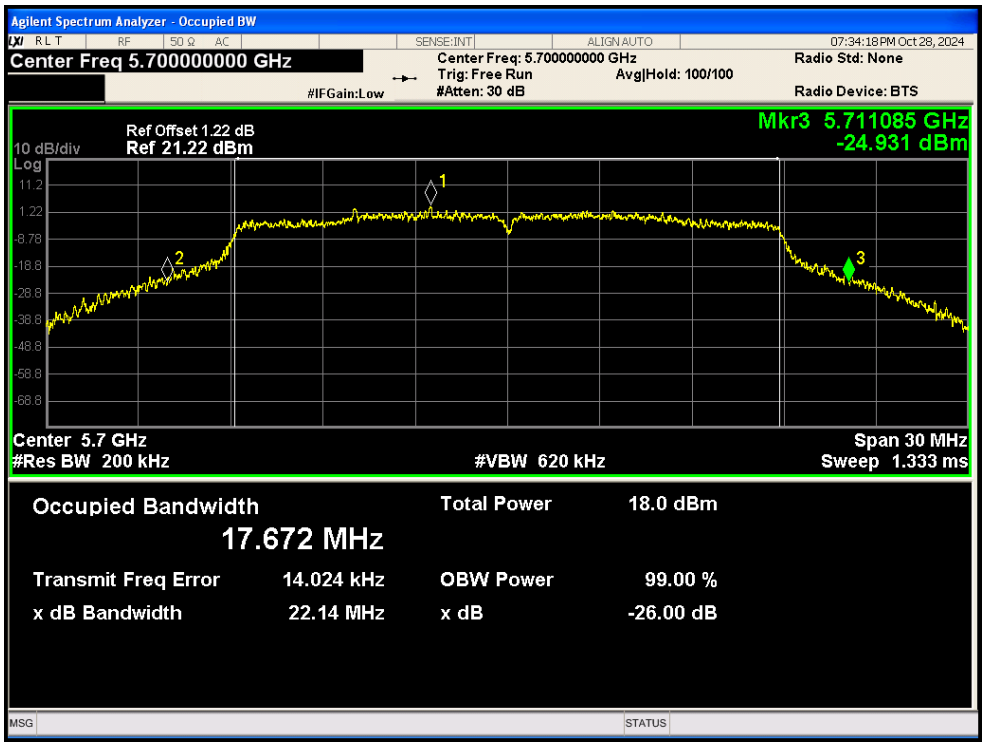
-26dB Bandwidth NVNT n20 5500MHz Ant2



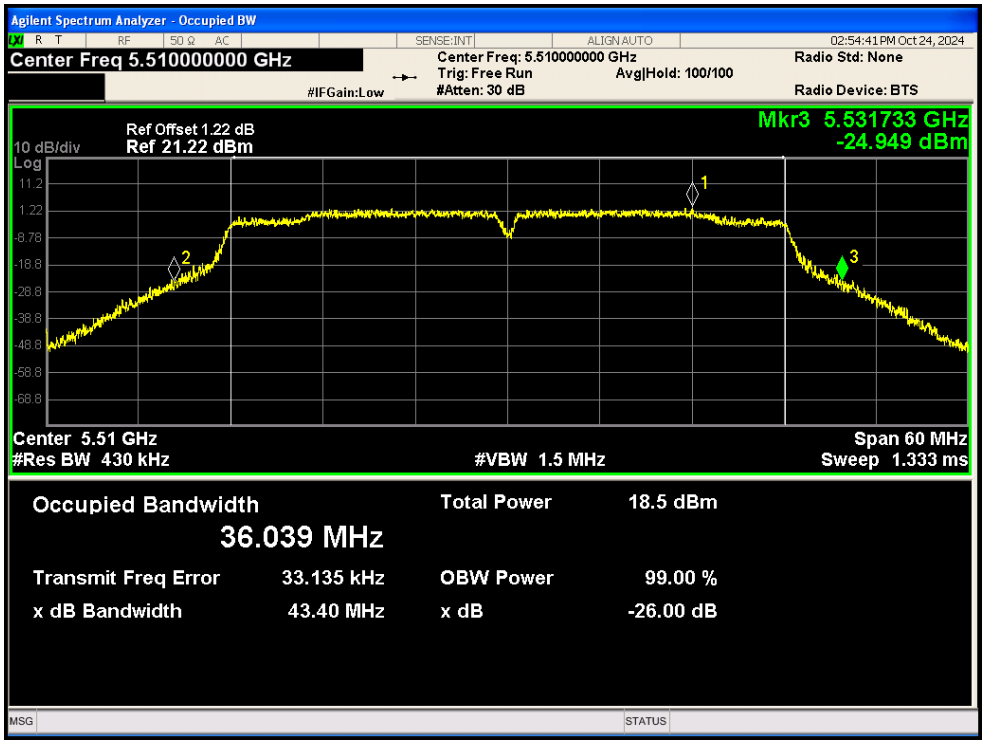
-26dB Bandwidth NVNT n20 5600MHz Ant2



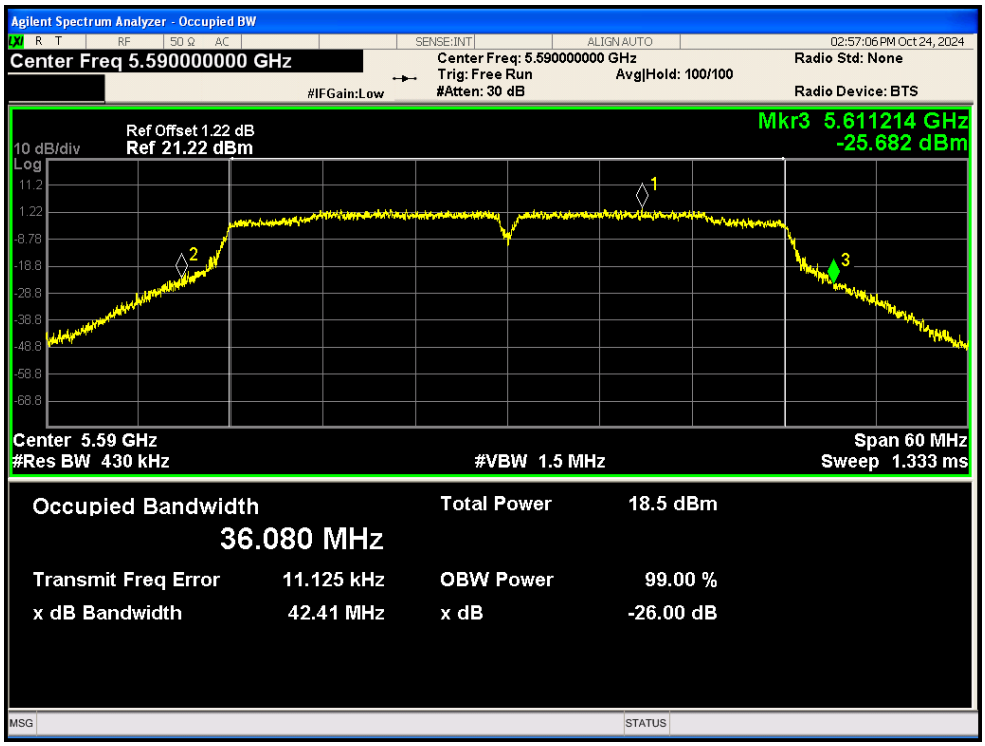
-26dB Bandwidth NVNT n20 5700MHz Ant2



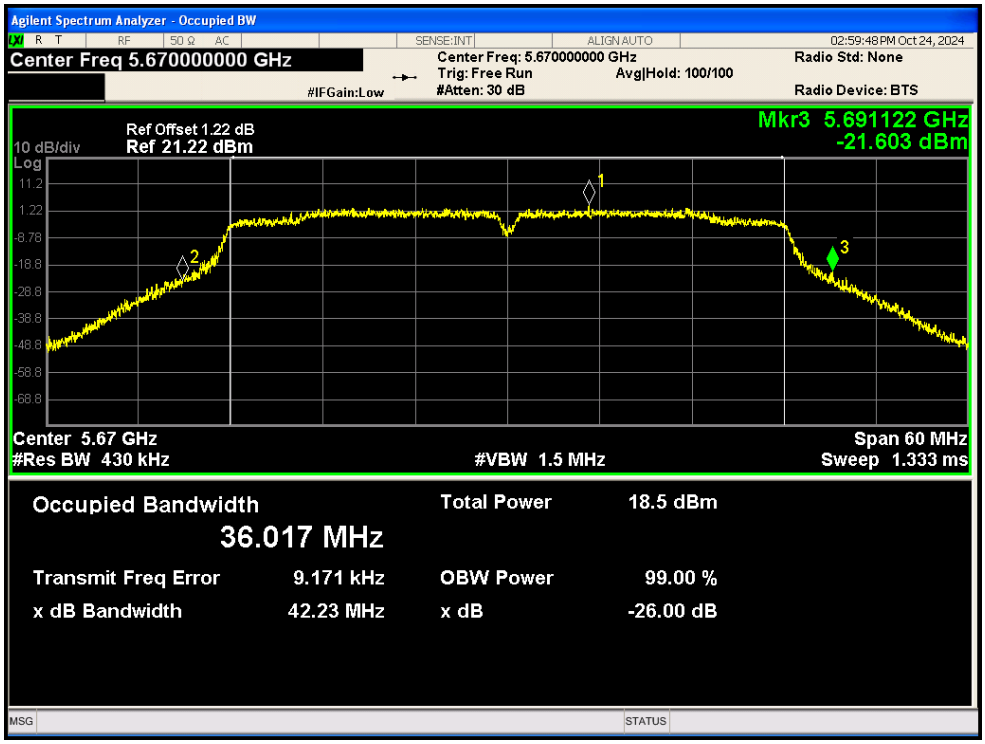
-26dB Bandwidth NVNT n40 5510MHz Ant1



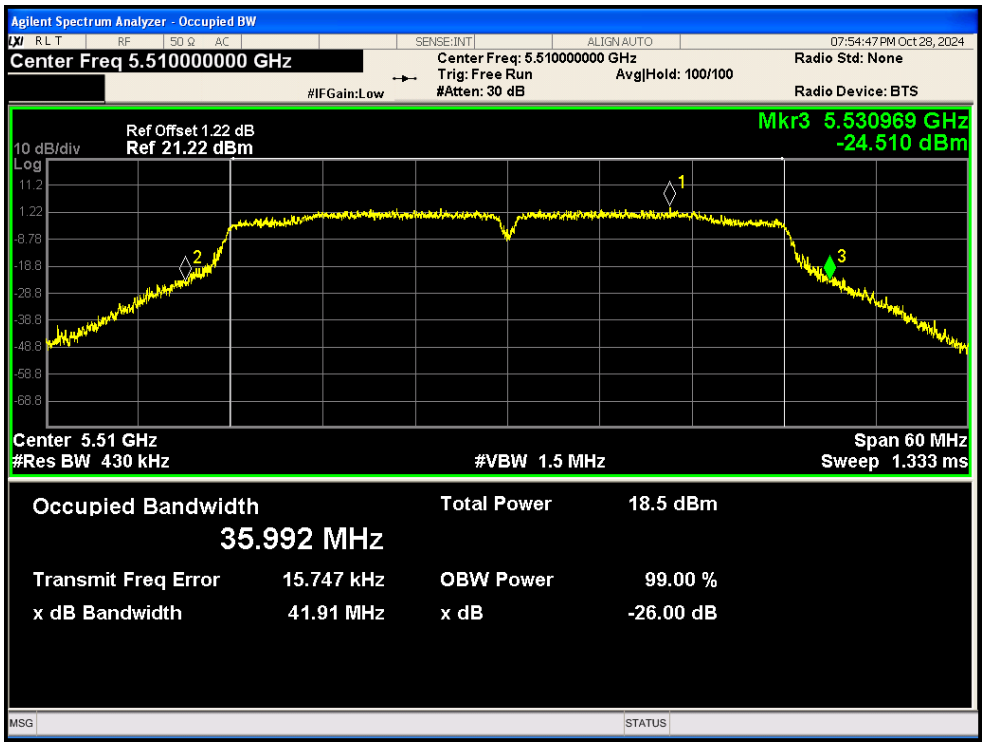
-26dB Bandwidth NVNT n40 5590MHz Ant1



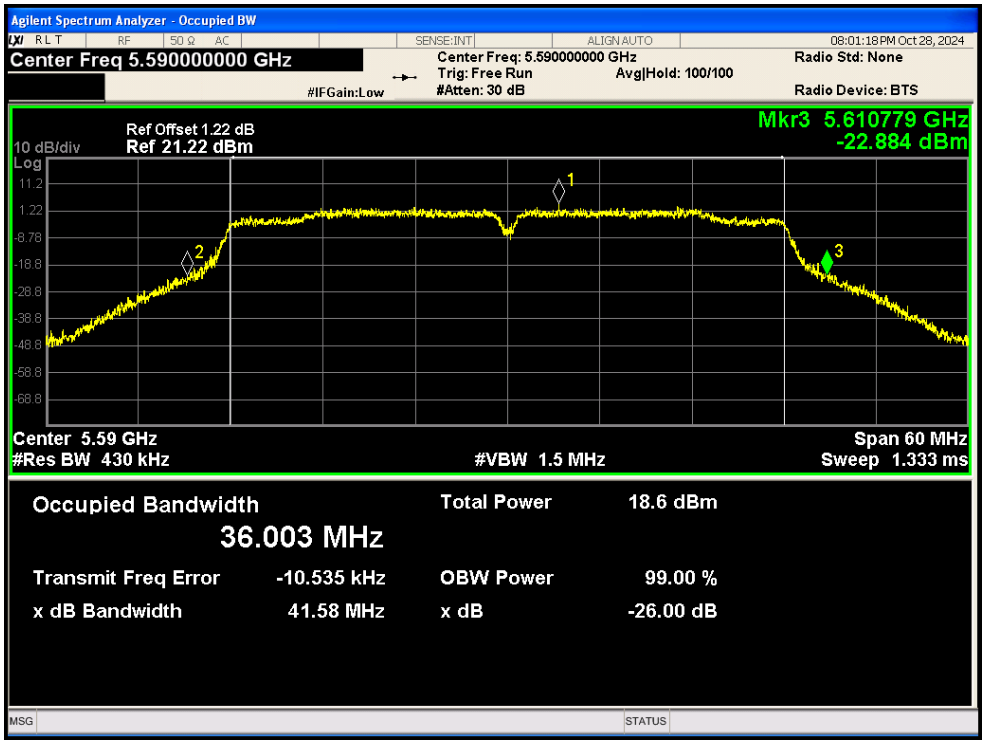
-26dB Bandwidth NVNT n40 5670MHz Ant1



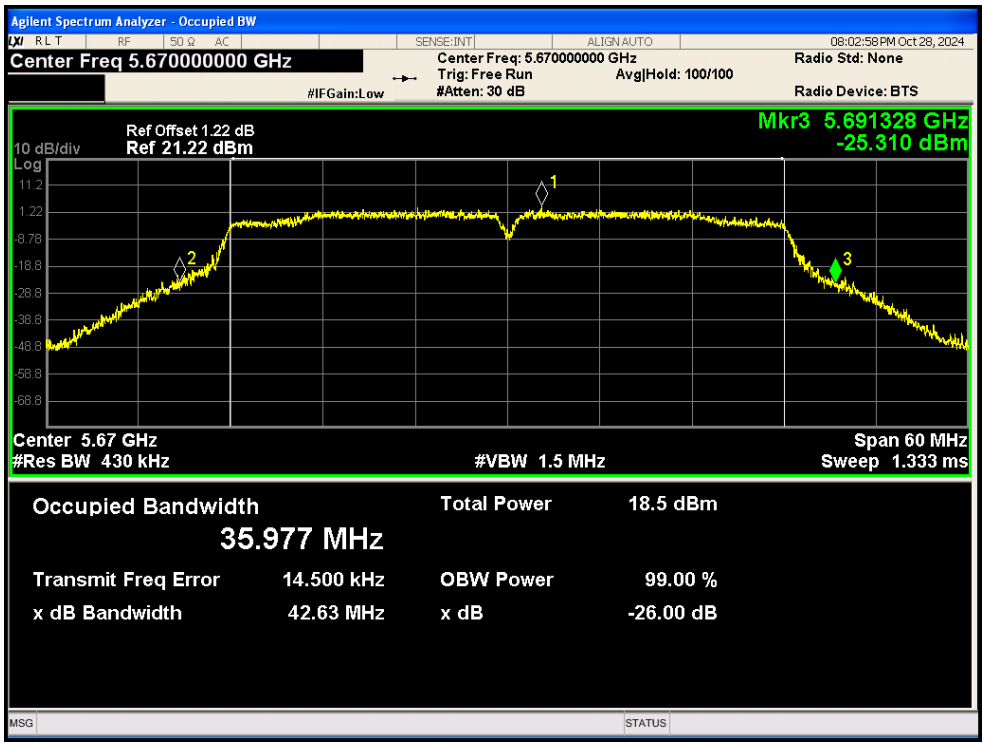
-26dB Bandwidth NVNT n40 5510MHz Ant2



-26dB Bandwidth NVNT n40 5590MHz Ant2



-26dB Bandwidth NVNT n40 5670MHz Ant2

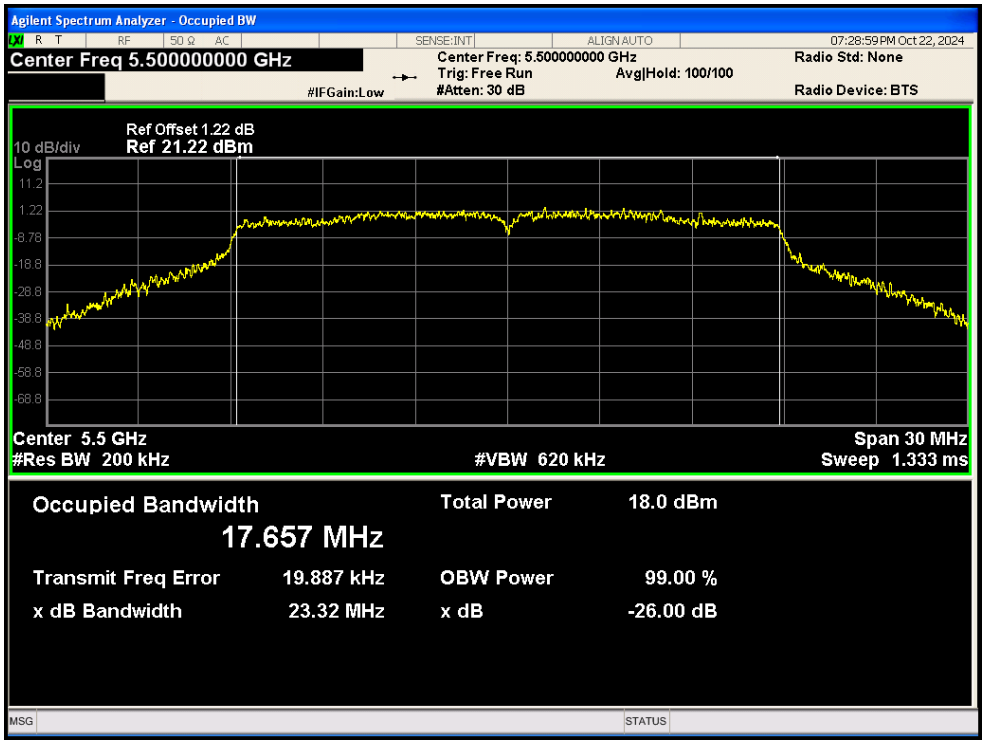


Occupied Channel Bandwidth

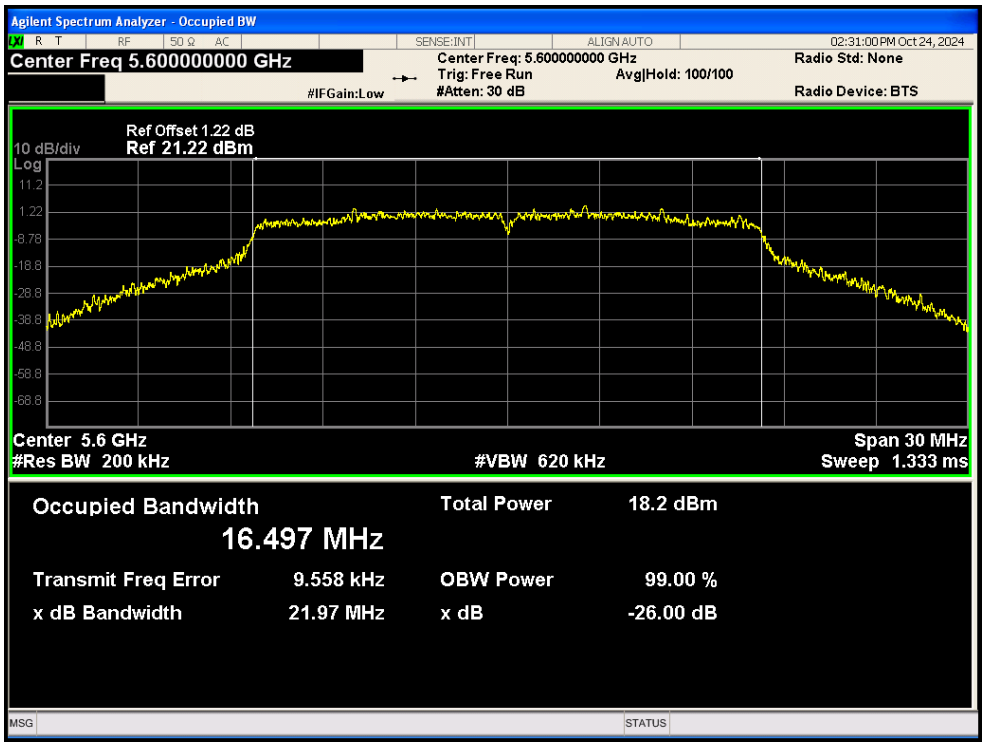
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	17.657
NVNT	a	5600	Ant1	16.497
NVNT	a	5700	Ant1	16.474
NVNT	a	5500	Ant2	16.568
NVNT	a	5600	Ant2	16.528
NVNT	a	5700	Ant2	16.52
NVNT	ac20	5500	Ant1	17.68

NVNT	ac20	5600	Ant1	17.674
NVNT	ac20	5700	Ant1	17.661
NVNT	ac20	5500	Ant2	17.646
NVNT	ac20	5600	Ant2	17.668
NVNT	ac20	5700	Ant2	17.686
NVNT	ac40	5510	Ant1	35.976
NVNT	ac40	5590	Ant1	36.026
NVNT	ac40	5670	Ant1	36.004
NVNT	ac40	5510	Ant2	36.029
NVNT	ac40	5590	Ant2	36.059
NVNT	ac40	5670	Ant2	36.053
NVNT	ac80	5530	Ant1	75.045
NVNT	ac80	5610	Ant1	75.029
NVNT	ac80	5530	Ant2	75.042
NVNT	ac80	5610	Ant2	75.09
NVNT	ax20	5500	Ant1	18.869
NVNT	ax20	5600	Ant1	18.849
NVNT	ax20	5700	Ant1	18.868
NVNT	ax20	5500	Ant2	18.863
NVNT	ax20	5600	Ant2	18.906
NVNT	ax20	5700	Ant2	18.867
NVNT	ax40	5510	Ant1	37.469
NVNT	ax40	5590	Ant1	37.503
NVNT	ax40	5670	Ant1	37.406
NVNT	ax40	5510	Ant2	37.48
NVNT	ax40	5590	Ant2	37.559
NVNT	ax40	5670	Ant2	37.453
NVNT	ax80	5530	Ant1	76.565
NVNT	ax80	5610	Ant1	76.647
NVNT	ax80	5530	Ant2	76.604
NVNT	ax80	5610	Ant2	76.625
NVNT	n20	5500	Ant1	17.644
NVNT	n20	5600	Ant1	17.66
NVNT	n20	5700	Ant1	17.658
NVNT	n20	5500	Ant2	17.689
NVNT	n20	5600	Ant2	17.679
NVNT	n20	5700	Ant2	17.678
NVNT	n40	5510	Ant1	36.035
NVNT	n40	5590	Ant1	35.995
NVNT	n40	5670	Ant1	36.029
NVNT	n40	5510	Ant2	36.01
NVNT	n40	5590	Ant2	36.01
NVNT	n40	5670	Ant2	36.018

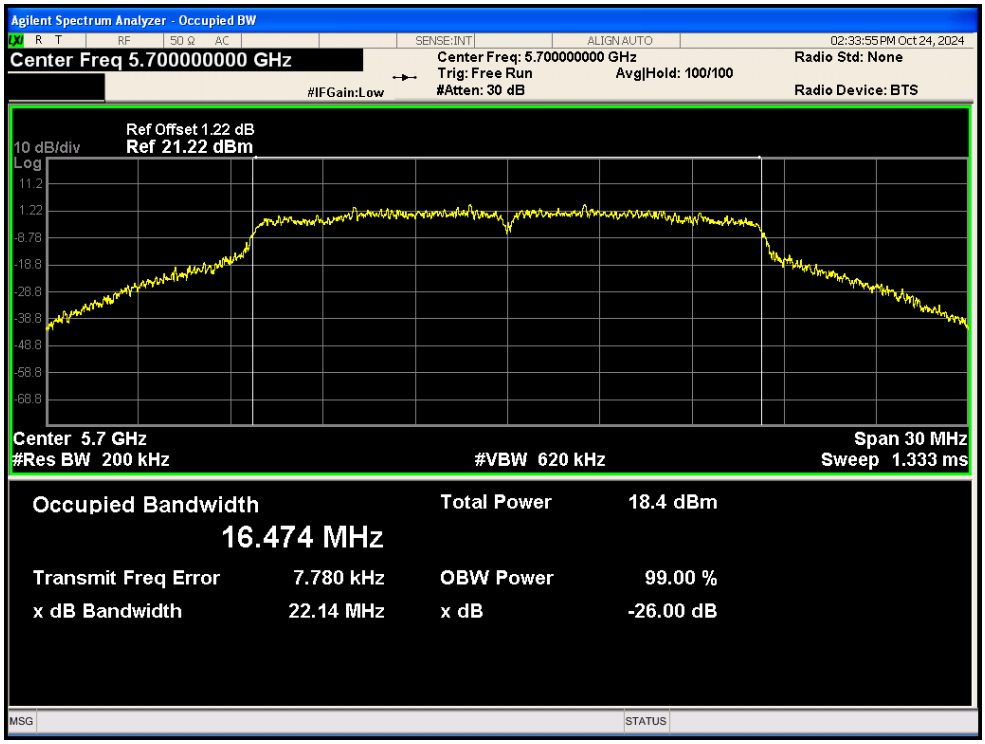
OBW NVNT a 5500MHz Ant1



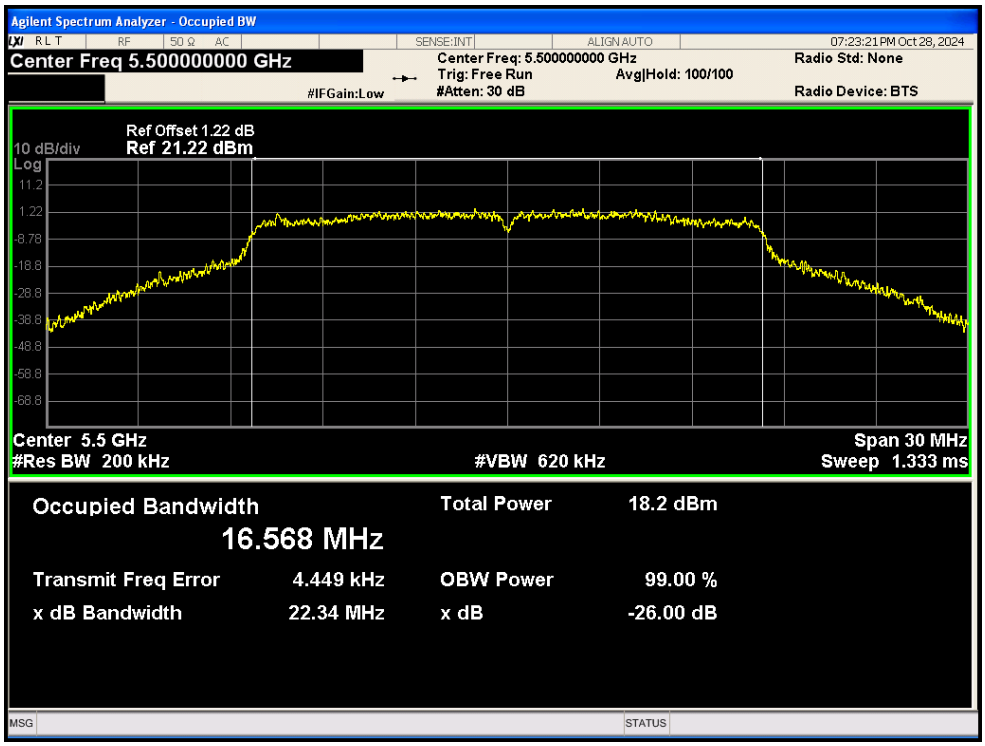
OBW NVNT a 5600MHz Ant1



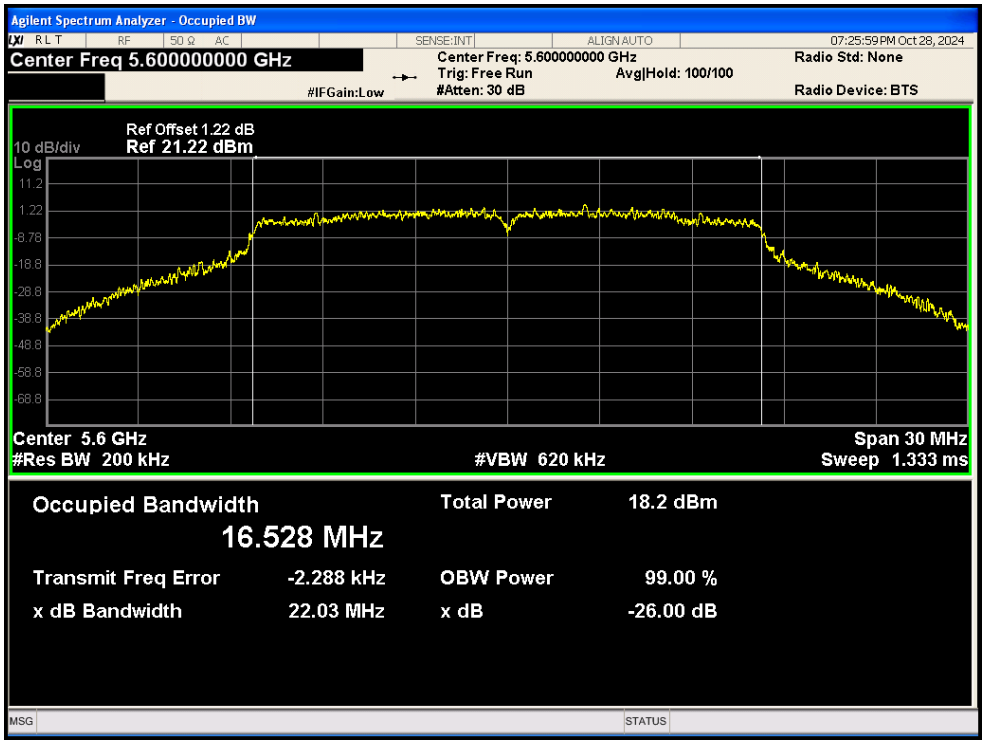
OBW NVNT a 5700MHz Ant1



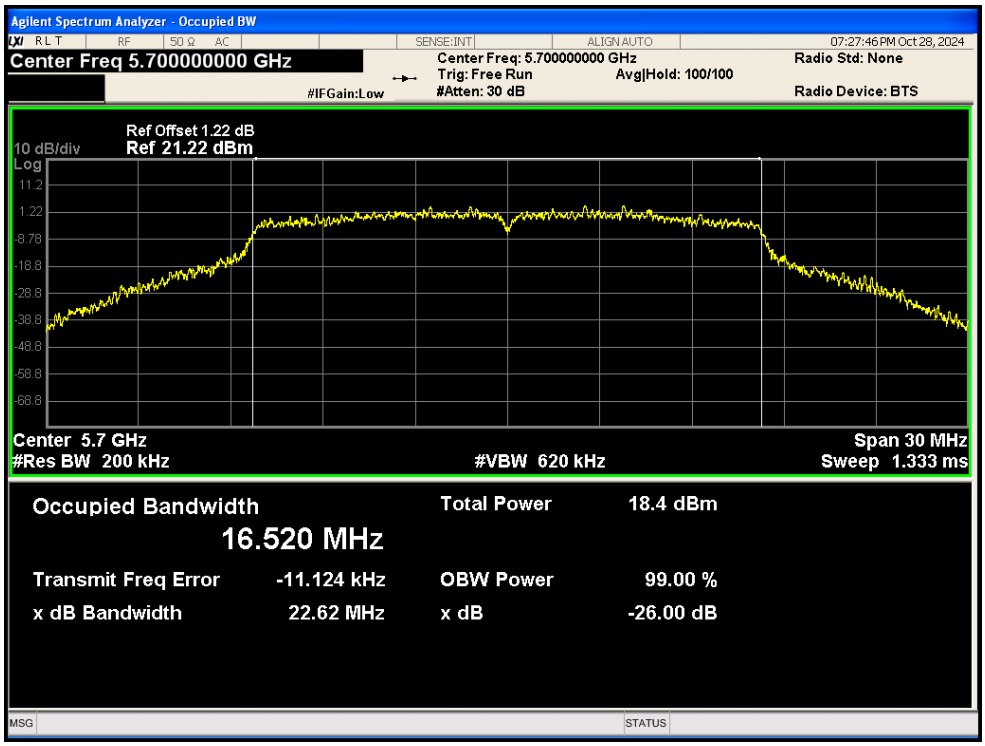
OBW NVNT a 5500MHz Ant2



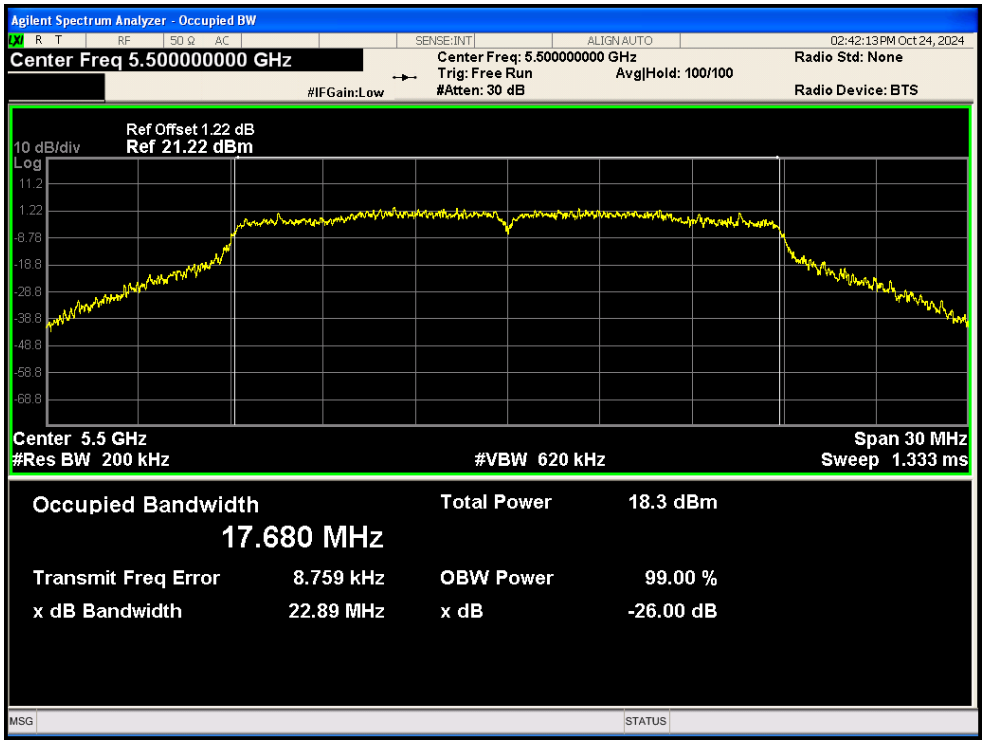
OBW NVNT a 5600MHz Ant2



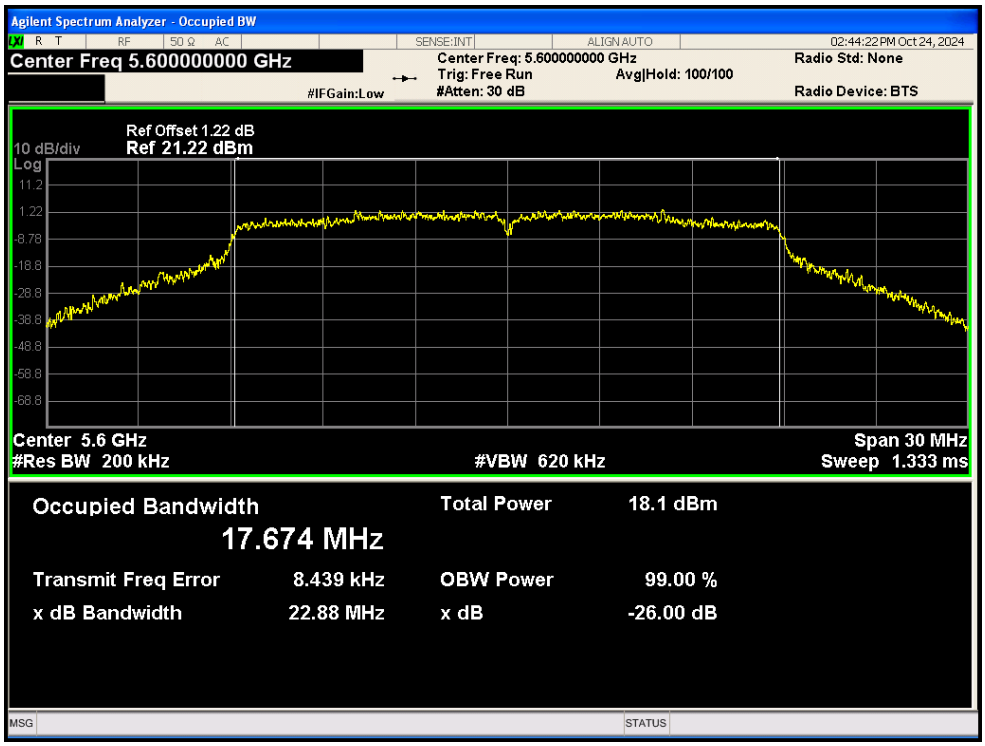
OBW NVNT a 5700MHz Ant2



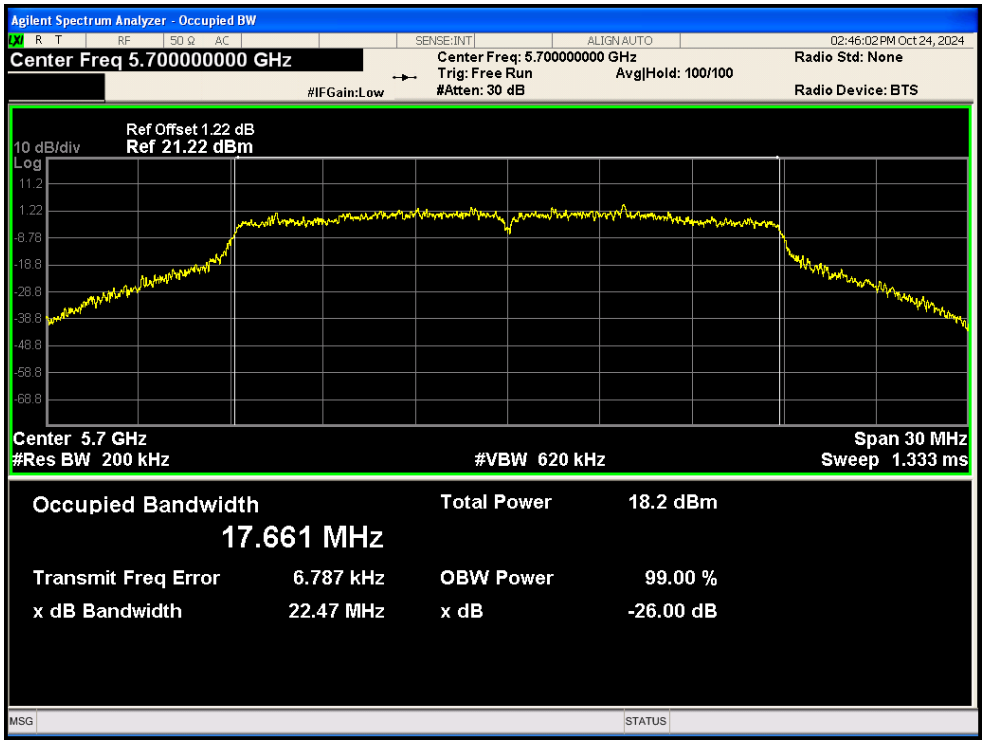
OBW NVNT ac20 5500MHz Ant1



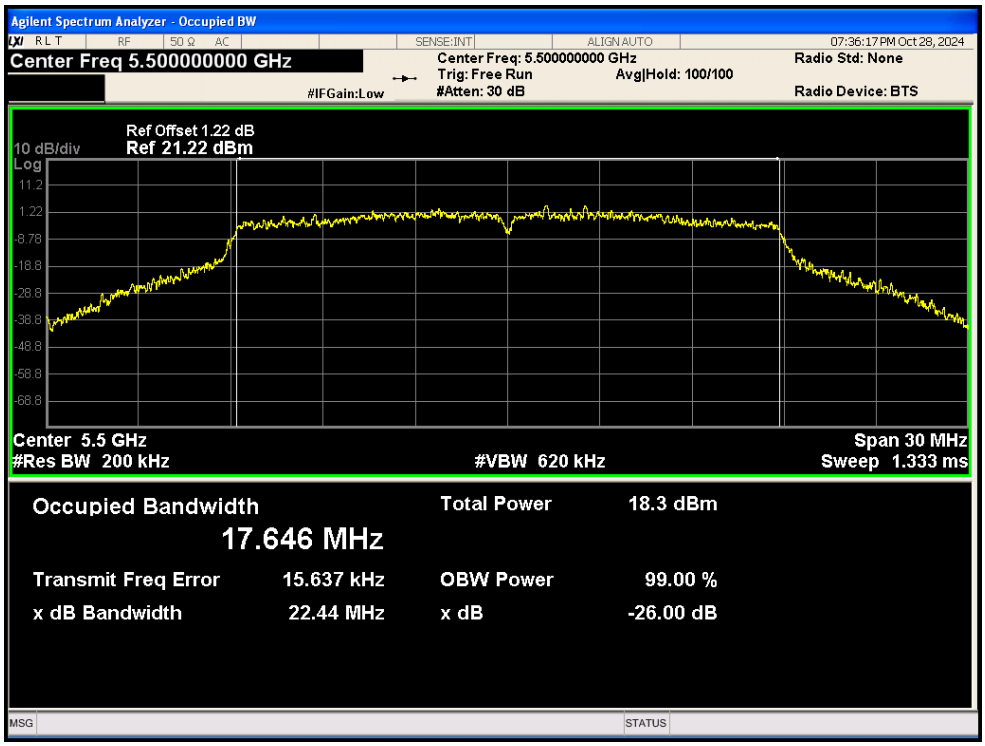
OBW NVNT ac20 5600MHz Ant1



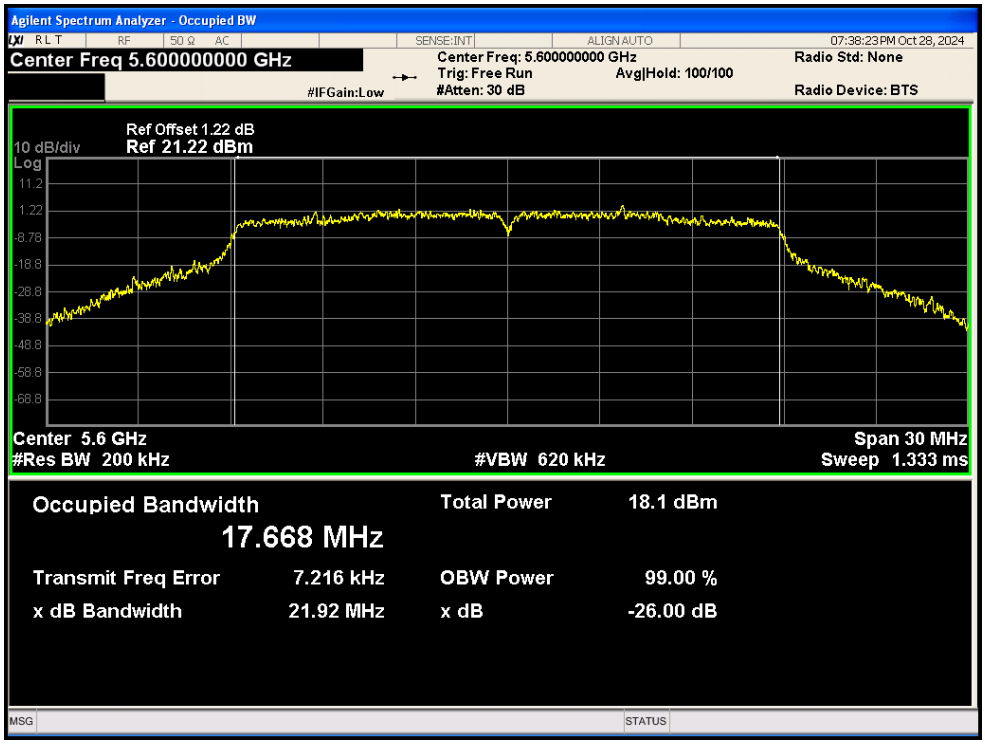
OBW NVNT ac20 5700MHz Ant1



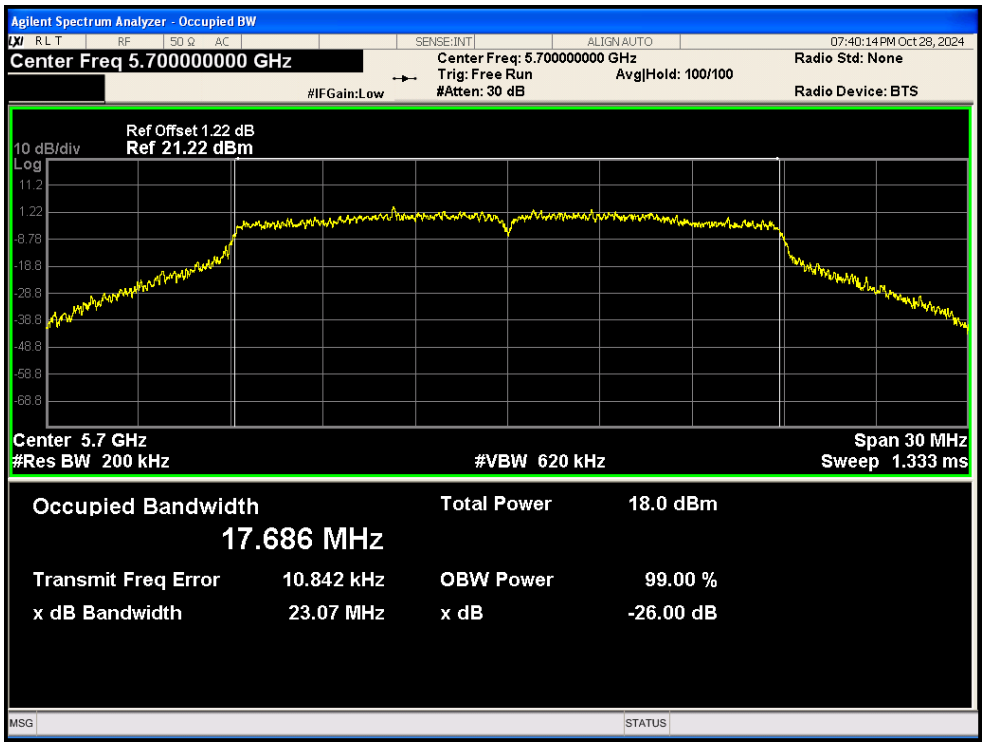
OBW NVNT ac20 5500MHz Ant2



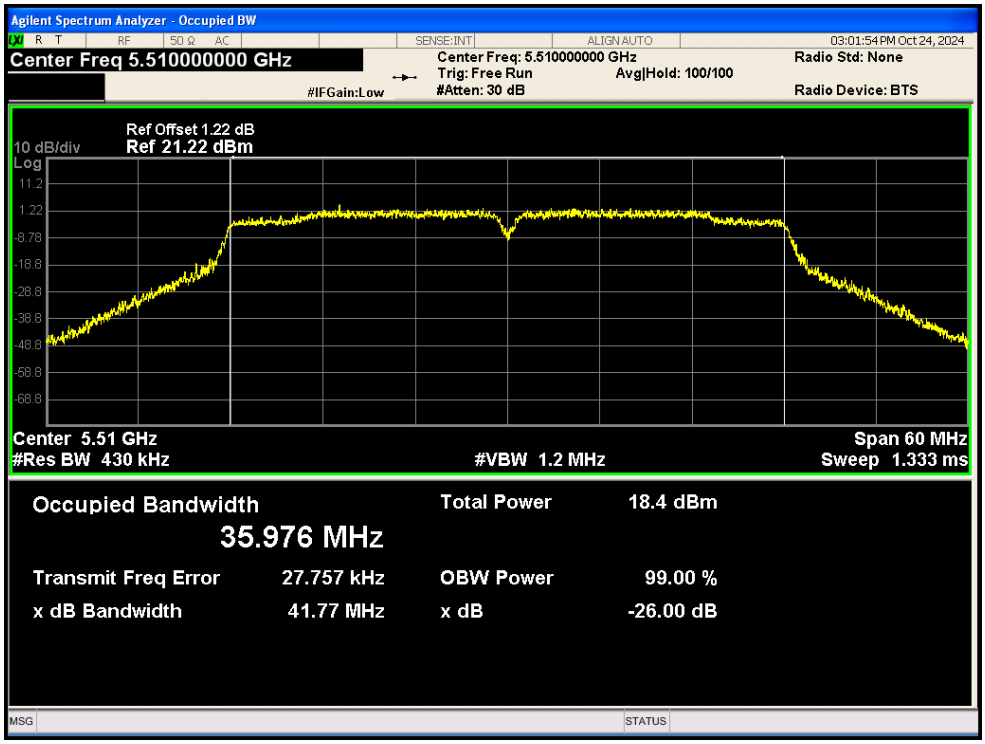
OBW NVNT ac20 5600MHz Ant2



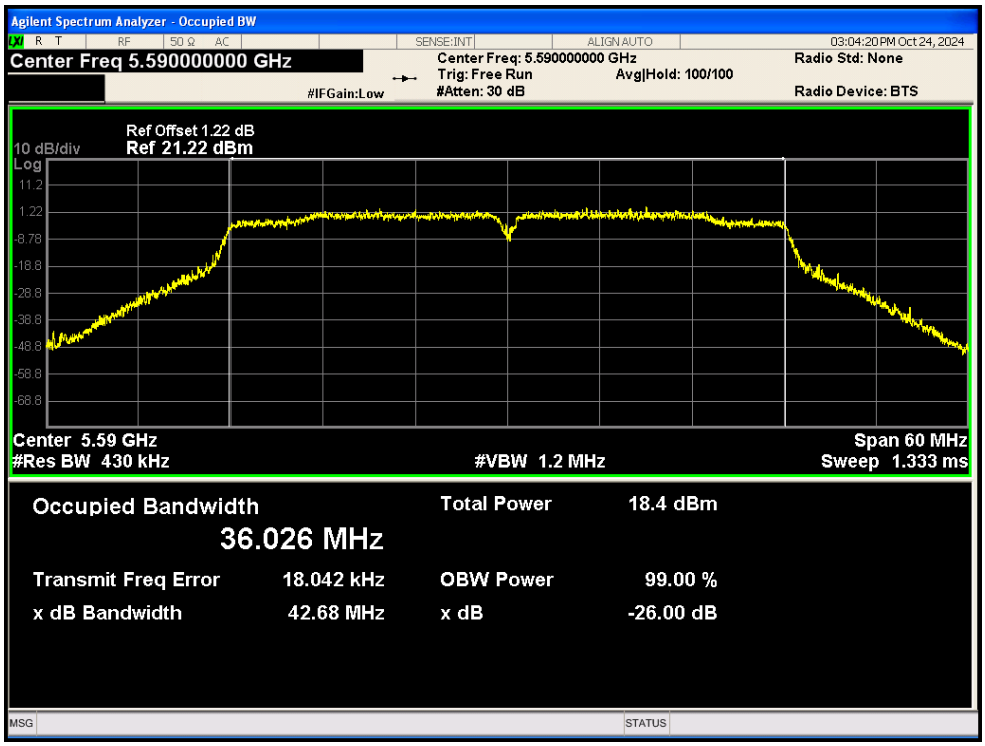
OBW NVNT ac20 5700MHz Ant2



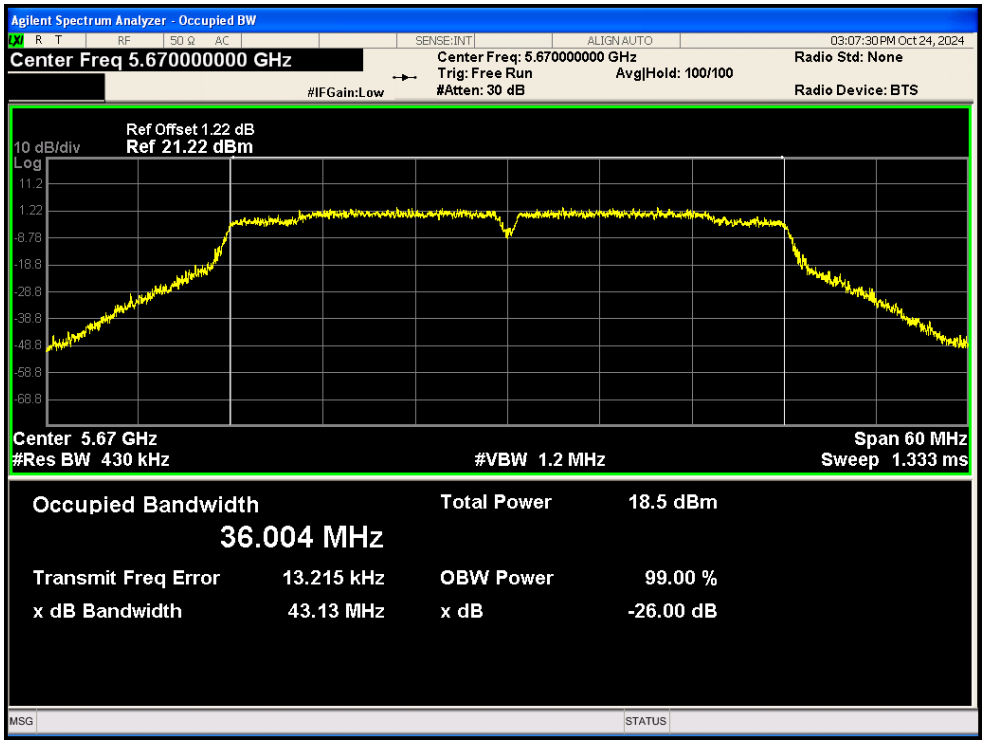
OBW NVNT ac40 5510MHz Ant1



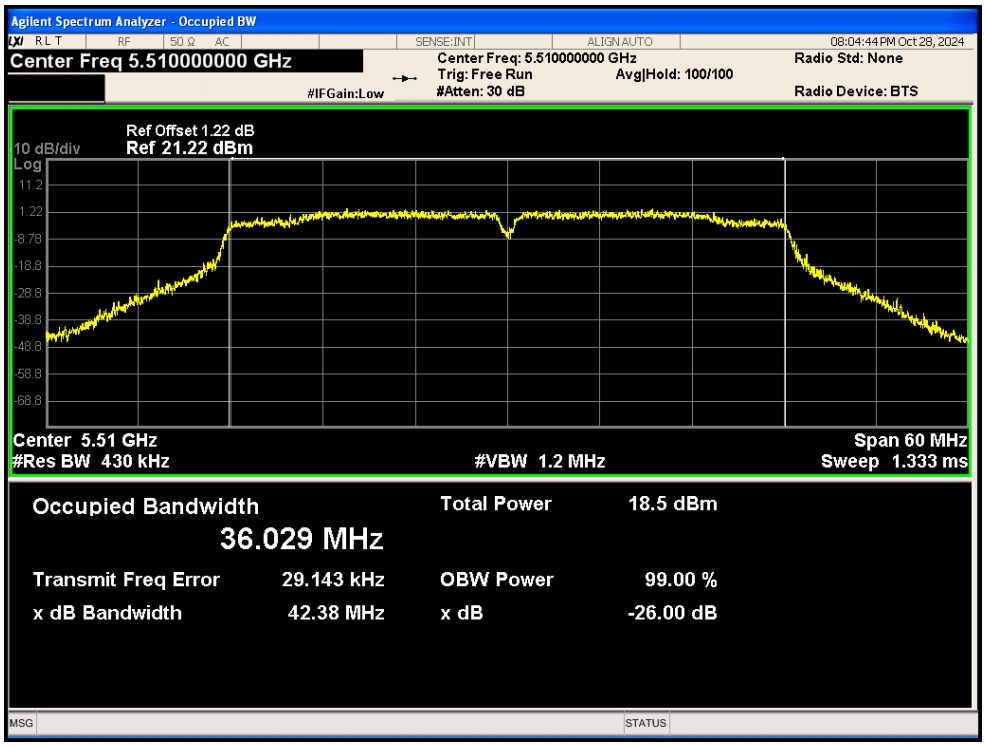
OBW NVNT ac40 5590MHz Ant1



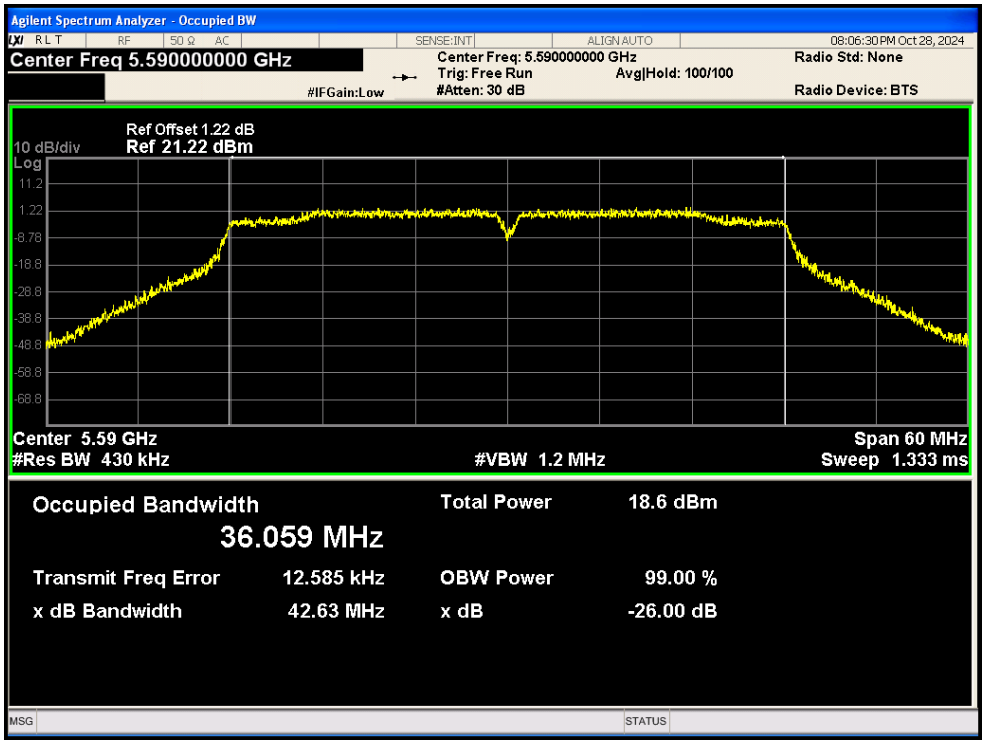
OBW NVNT ac40 5670MHz Ant1



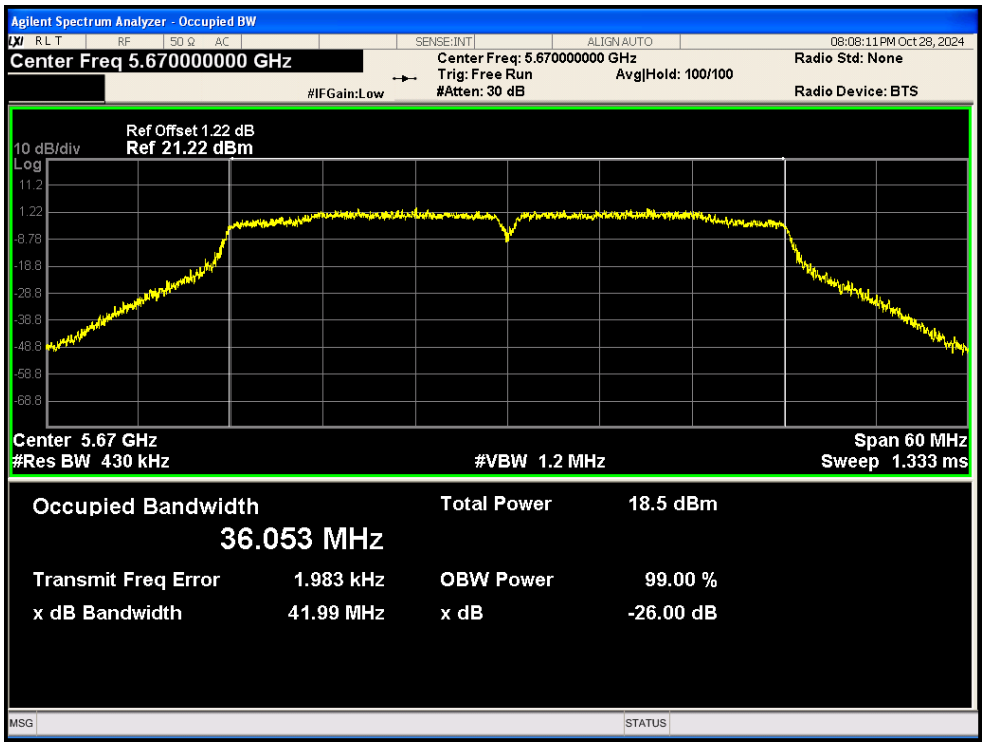
OBW NVNT ac40 5510MHz Ant2



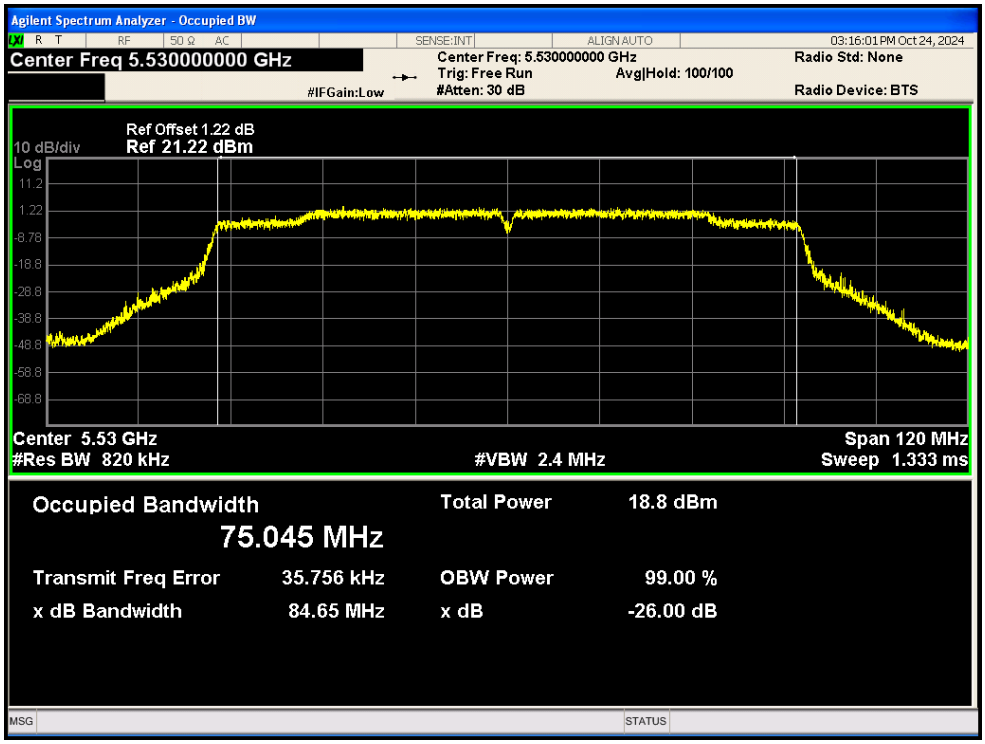
OBW NVNT ac40 5590MHz Ant2



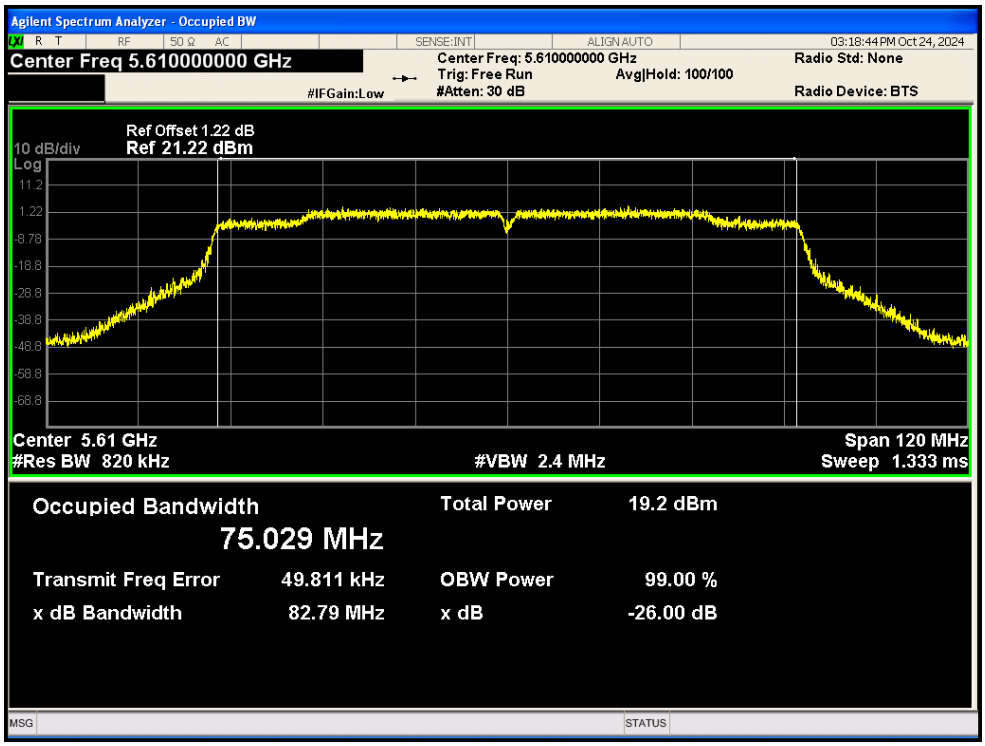
OBW NVNT ac40 5670MHz Ant2



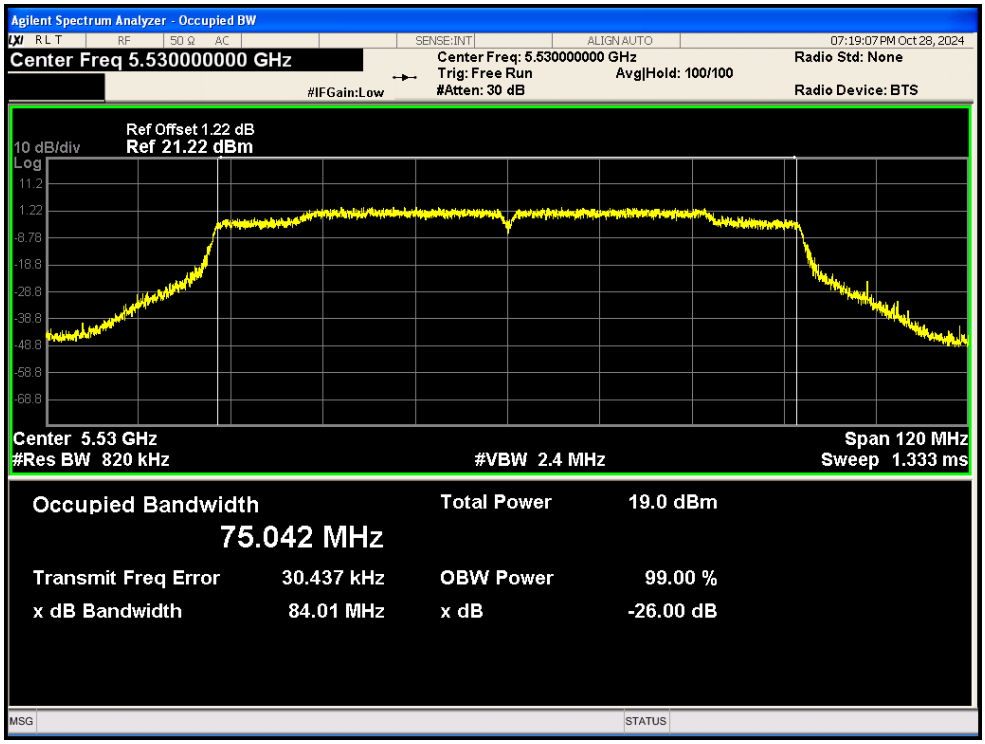
OBW NVNT ac80 5530MHz Ant1



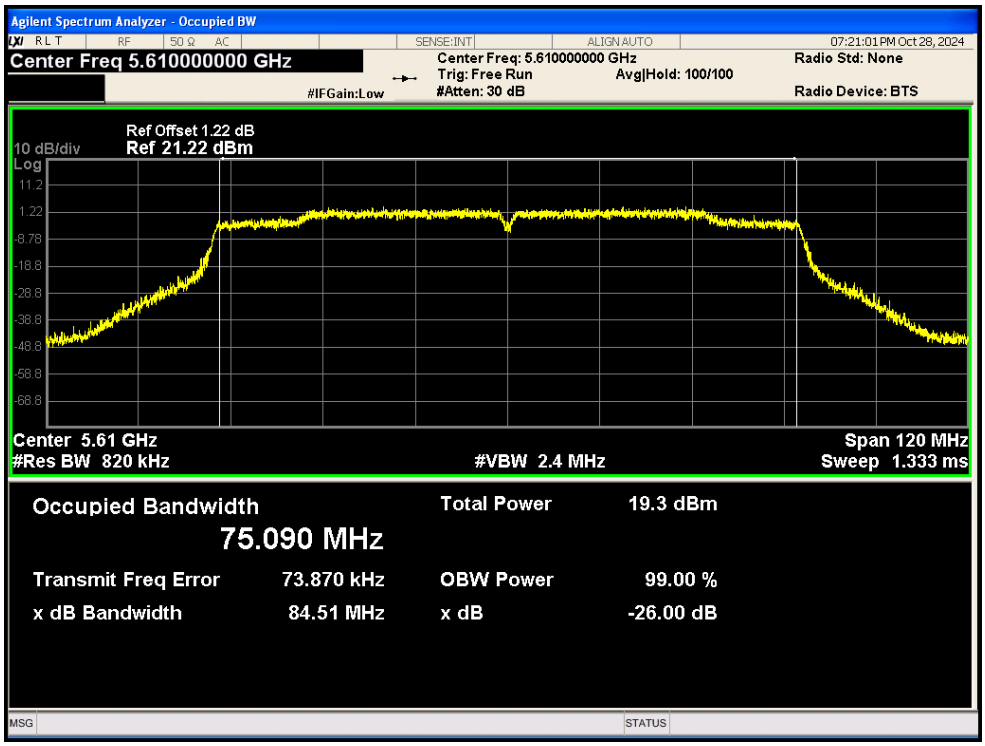
OBW NVNT ac80 5610MHz Ant1



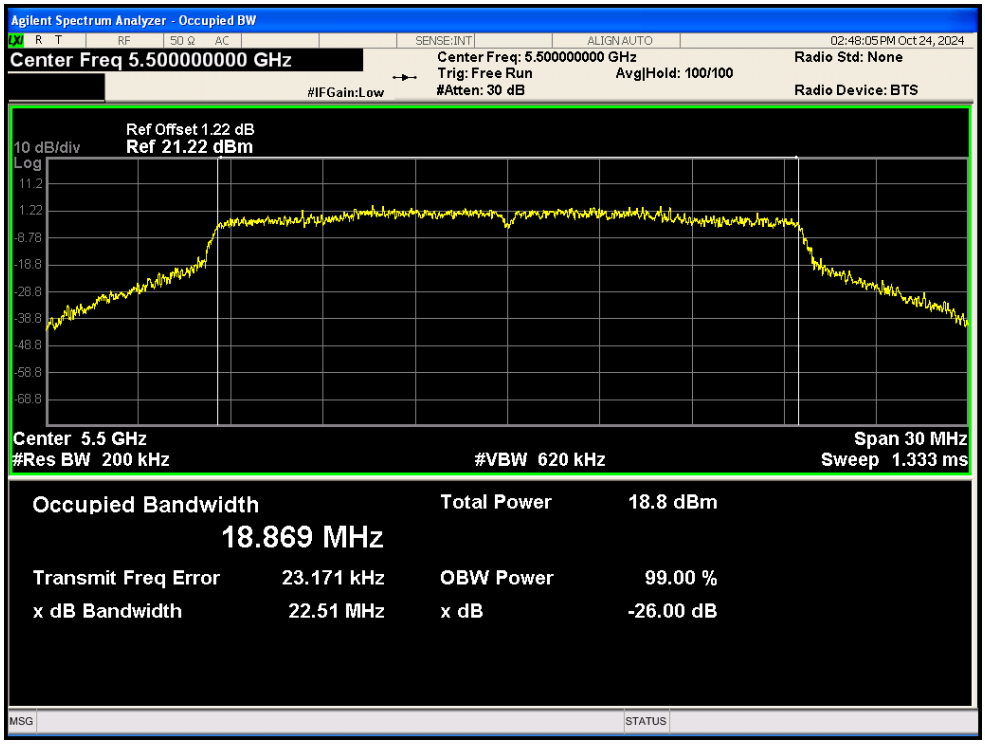
OBW NVNT ac80 5530MHz Ant2



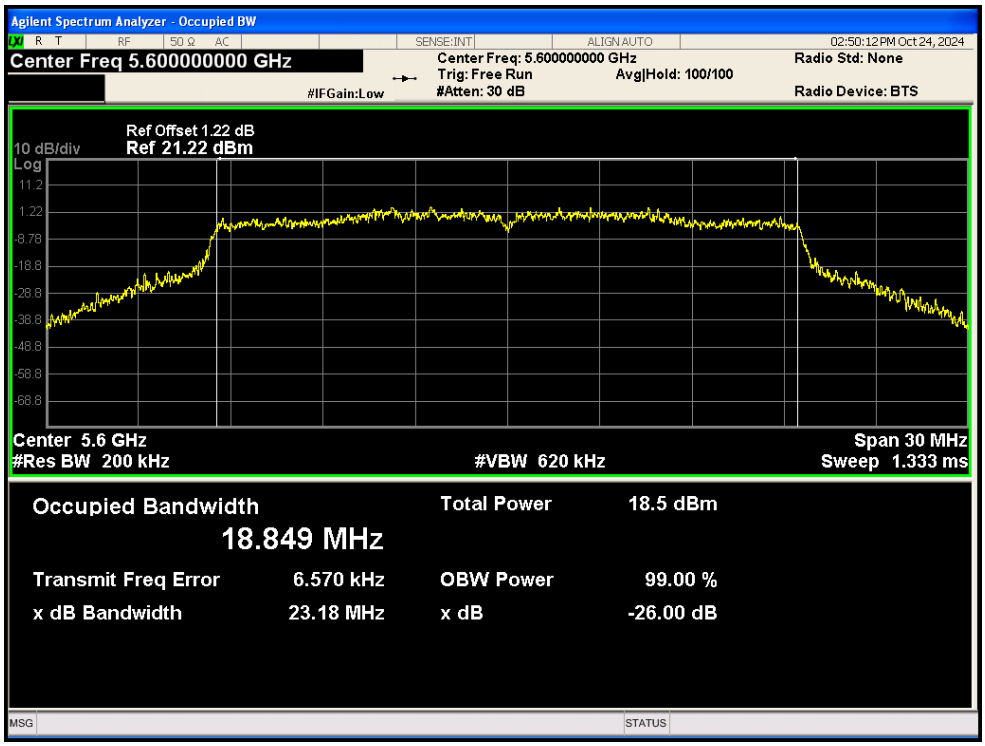
OBW NVNT ac80 5610MHz Ant2



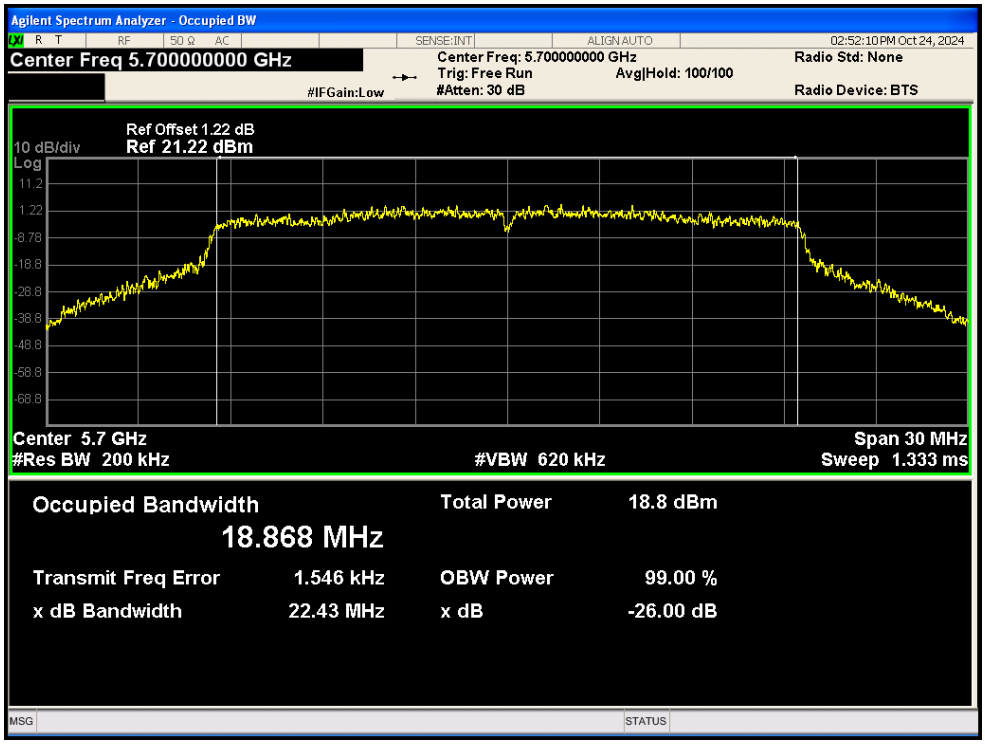
OBW NVNT ax20 5500MHz Ant1



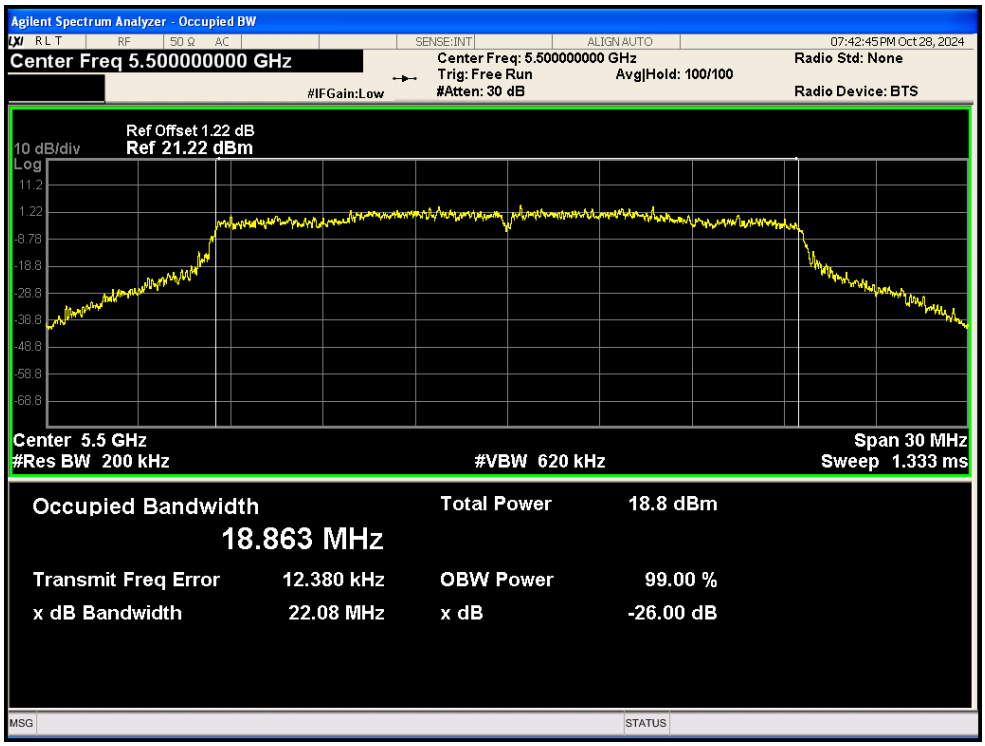
OBW NVNT ax20 5600MHz Ant1



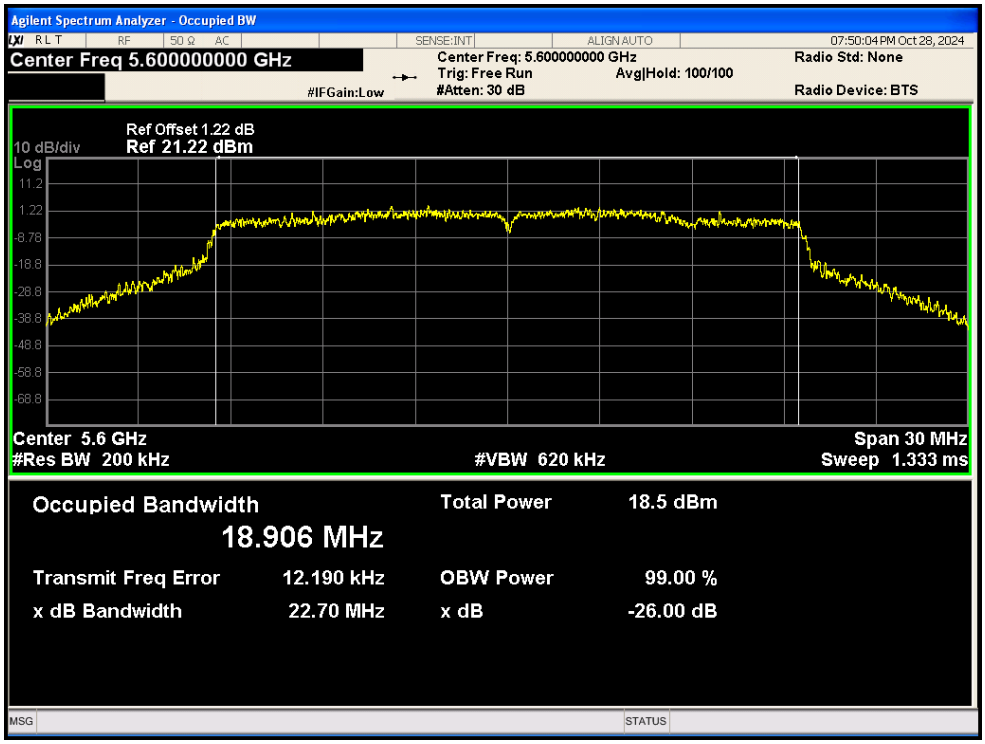
OBW NVNT ax20 5700MHz Ant1



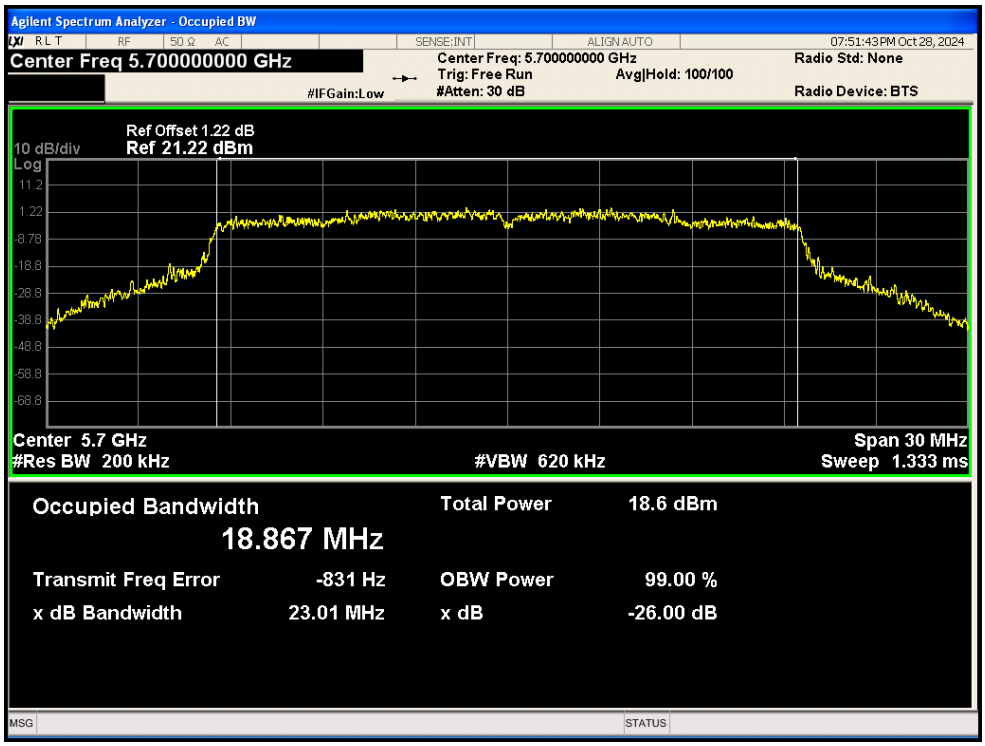
OBW NVNT ax20 5500MHz Ant2



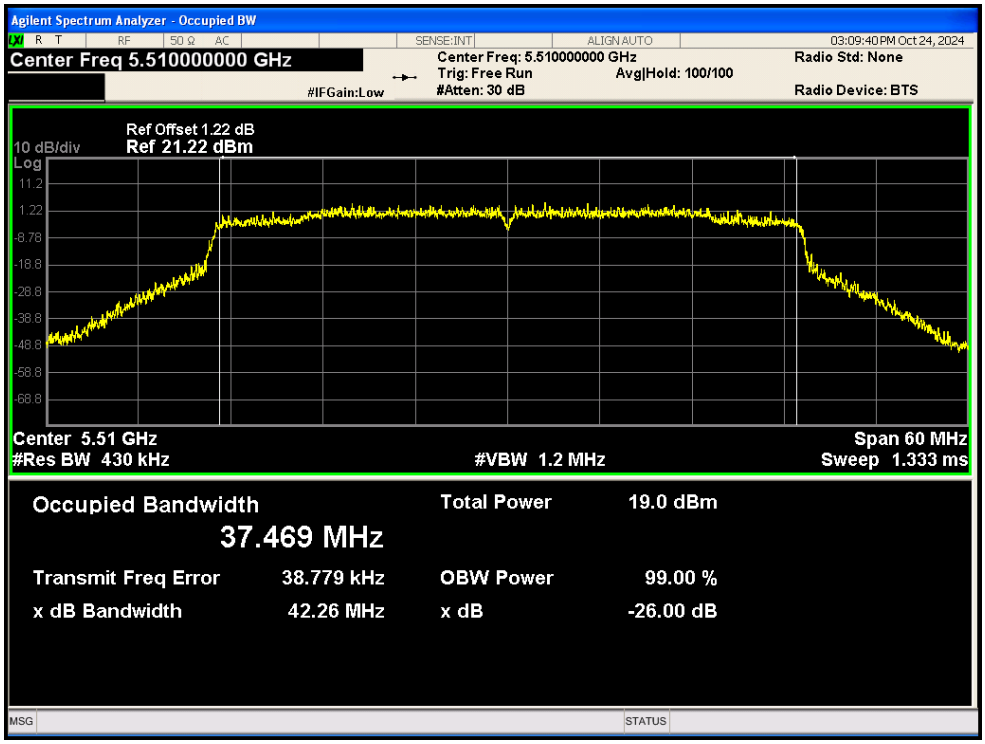
OBW NVNT ax20 5600MHz Ant2



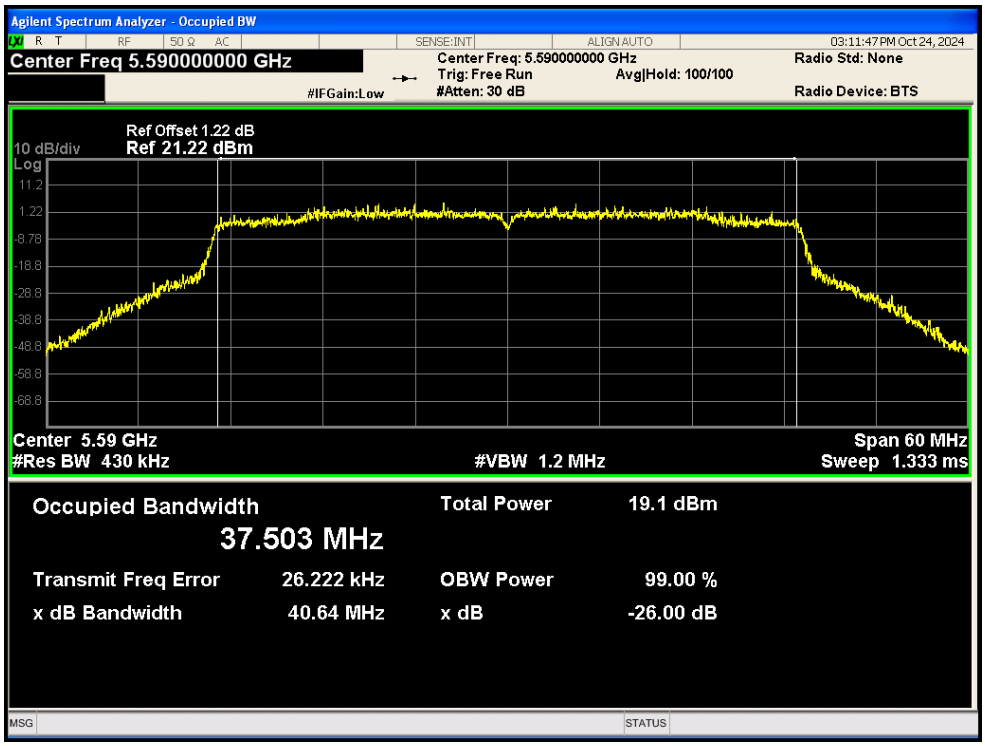
OBW NVNT ax20 5700MHz Ant2



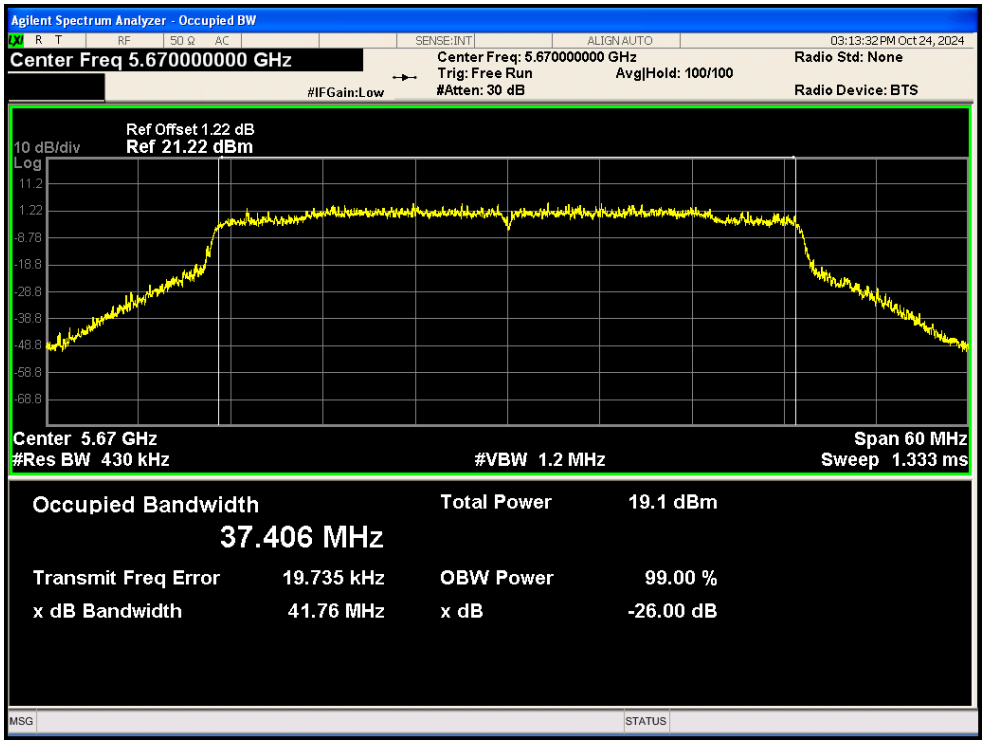
OBW NVNT ax40 5510MHz Ant1



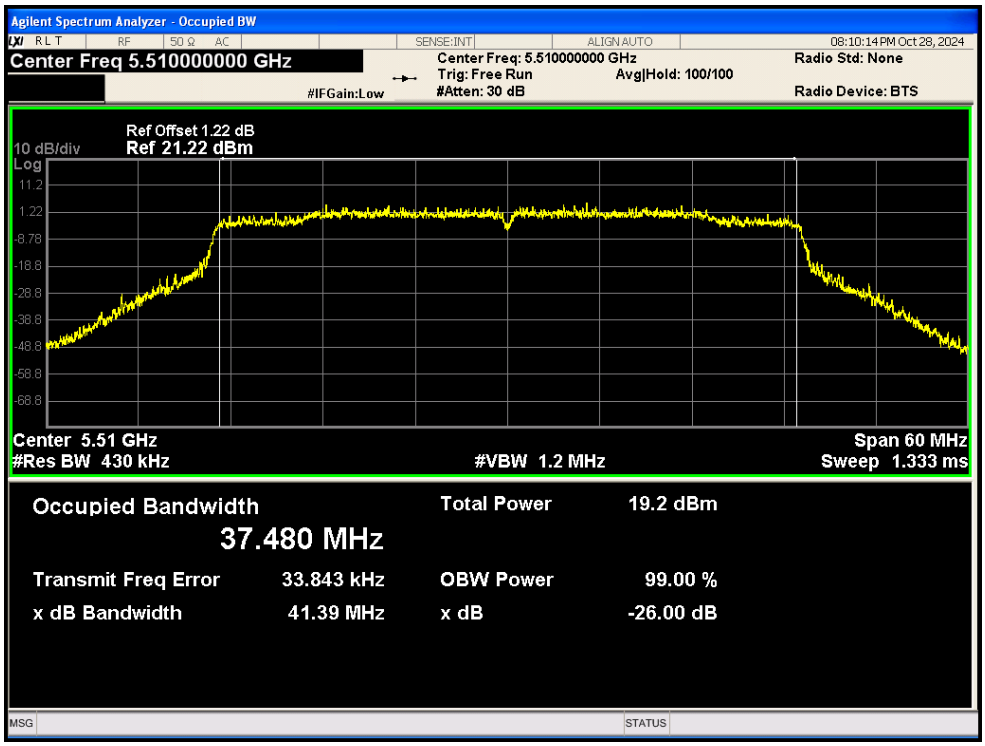
OBW NVNT ax40 5590MHz Ant1



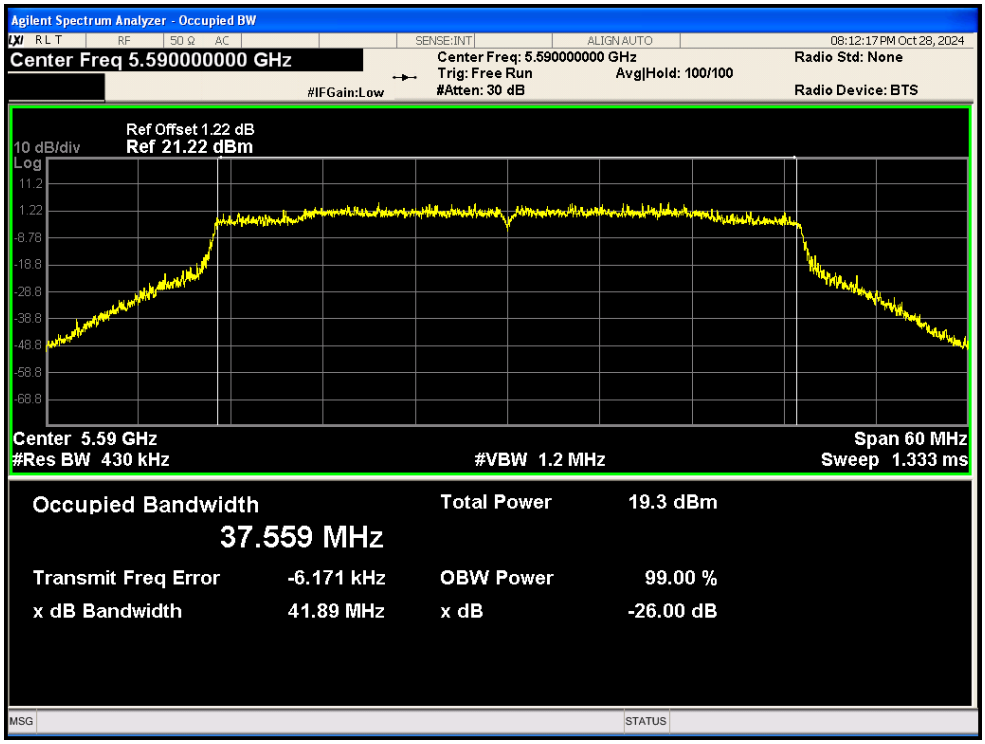
OBW NVNT ax40 5670MHz Ant1



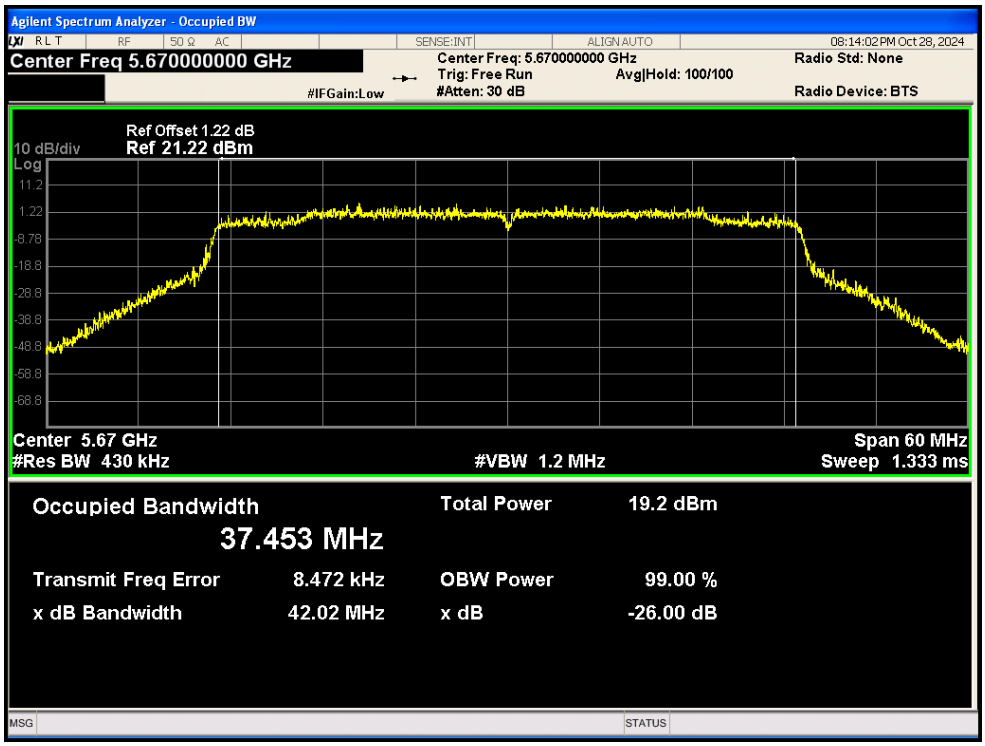
OBW NVNT ax40 5510MHz Ant2



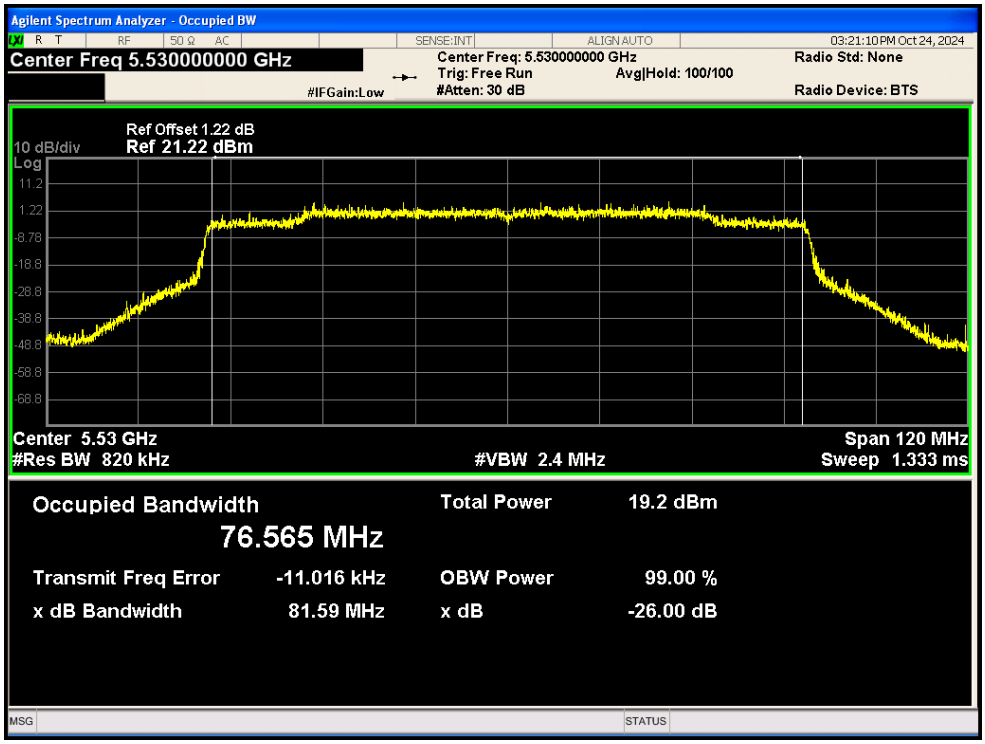
OBW NVNT ax40 5590MHz Ant2



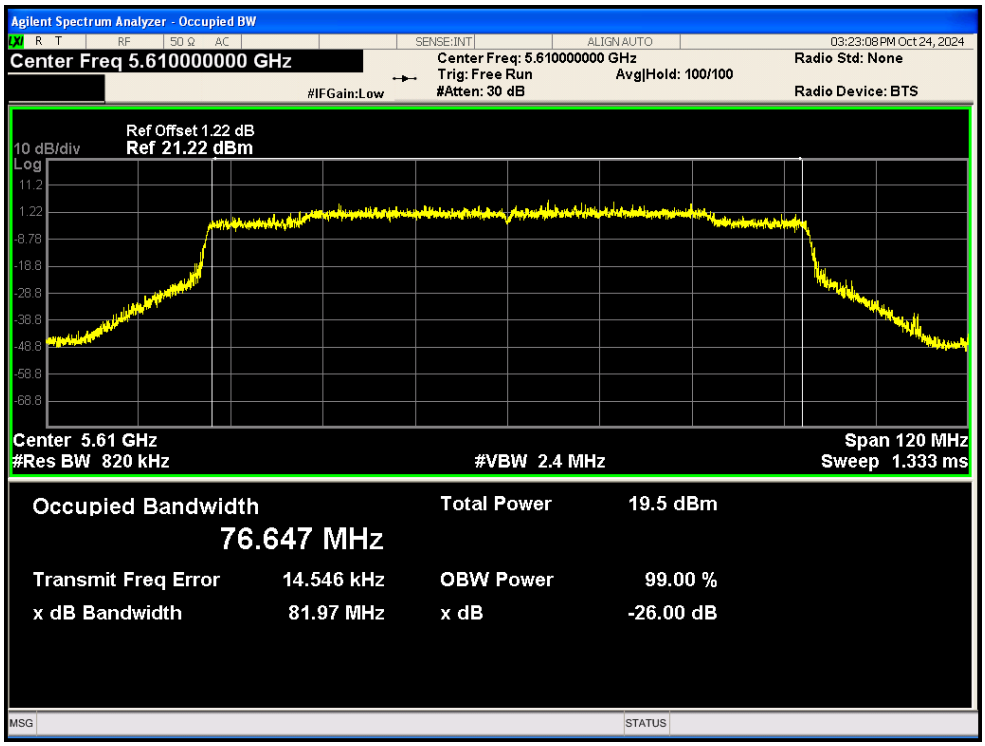
OBW NVNT ax40 5670MHz Ant2



OBW NVNT ax80 5530MHz Ant1



OBW NVNT ax80 5610MHz Ant1



OBW NVNT ax80 5530MHz Ant2