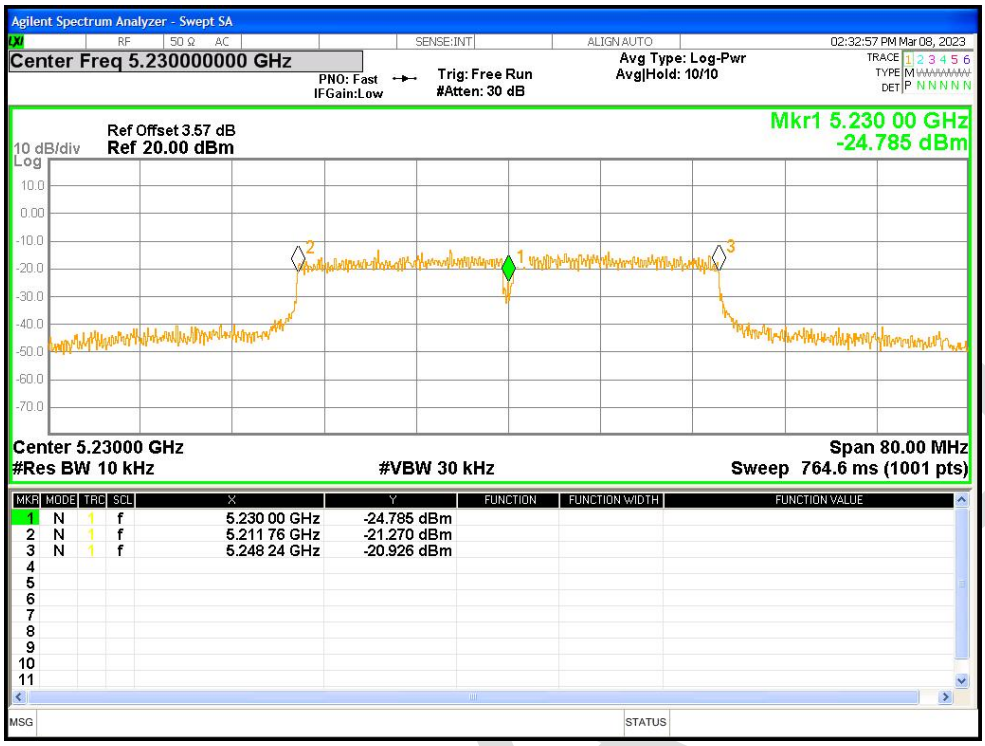
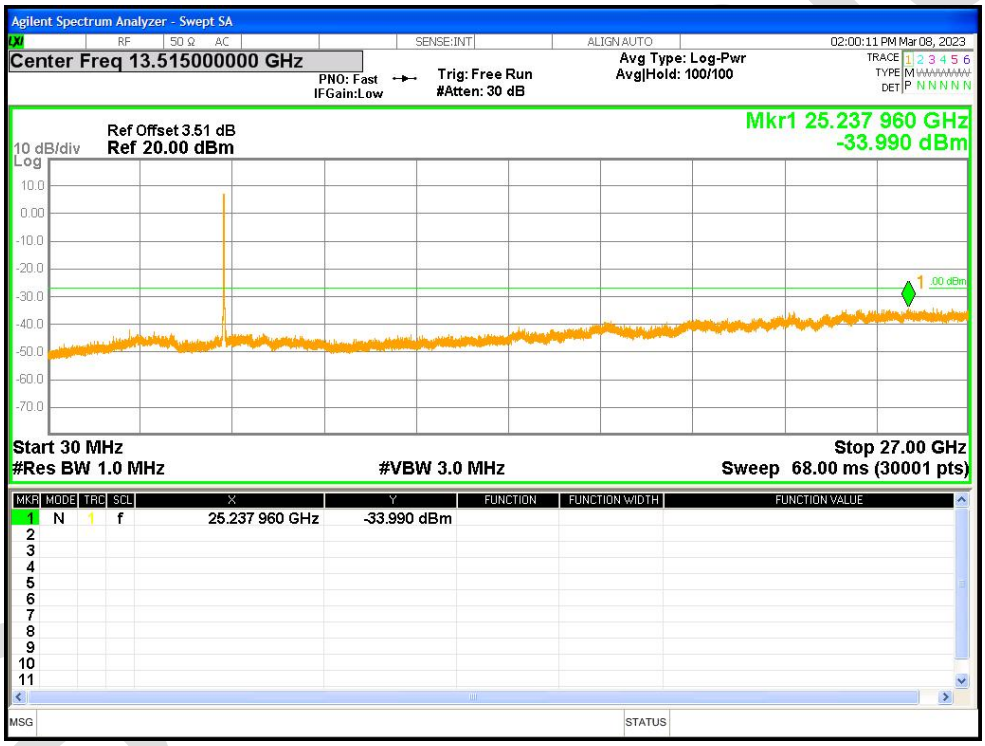

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.230000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
02:32:57 PM Mar 08, 2023
Ref Offset 3.57 dB
10 dB/div
Ref 20.00 dBm
Mkr1 5.230 00 GHz
-24.785 dBm
Center 5.23000 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 80.00 MHz
Sweep 764.6 ms (1001 pts)
1 N 1 f 5.230 00 GHz -24.785 dBm
2 N 1 f 5.211 76 GHz -21.270 dBm
3 N 1 f 5.248 24 GHz -20.926 dBm

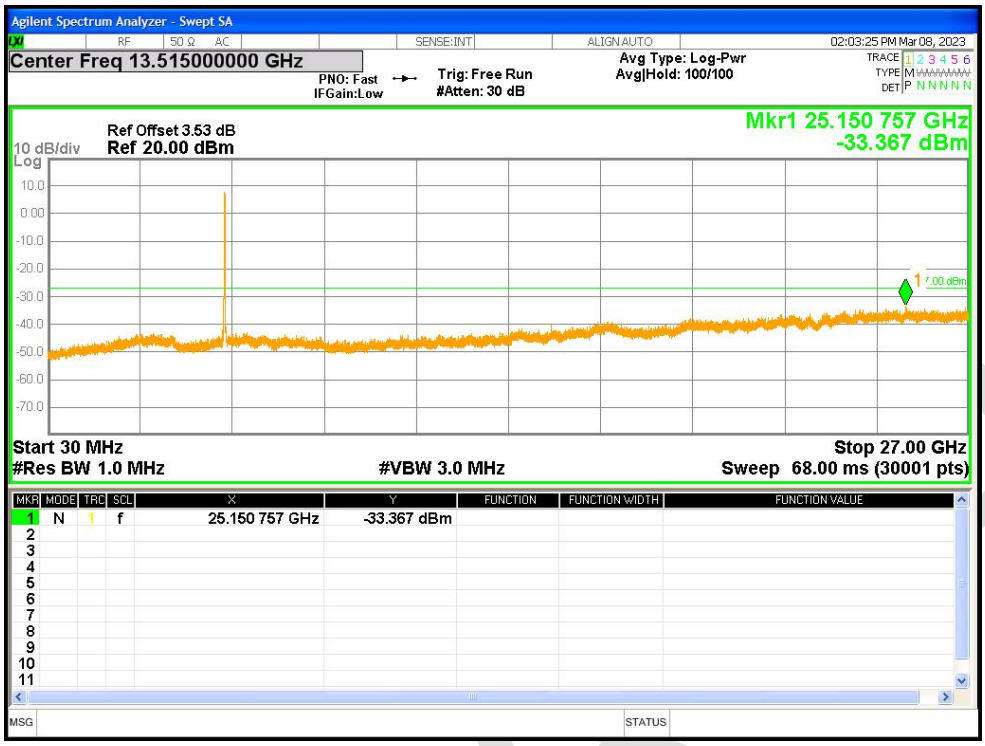
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.98	-27	Pass
NVNT	a	5200	Ant1	-33.36	-27	Pass
NVNT	a	5240	Ant1	-33.4	-27	Pass
NVNT	n20	5180	Ant1	-33.97	-27	Pass
NVNT	n20	5200	Ant1	-34.44	-27	Pass
NVNT	n20	5240	Ant1	-34.22	-27	Pass
NVNT	n40	5190	Ant1	-33.07	-27	Pass
NVNT	n40	5230	Ant1	-34.4	-27	Pass

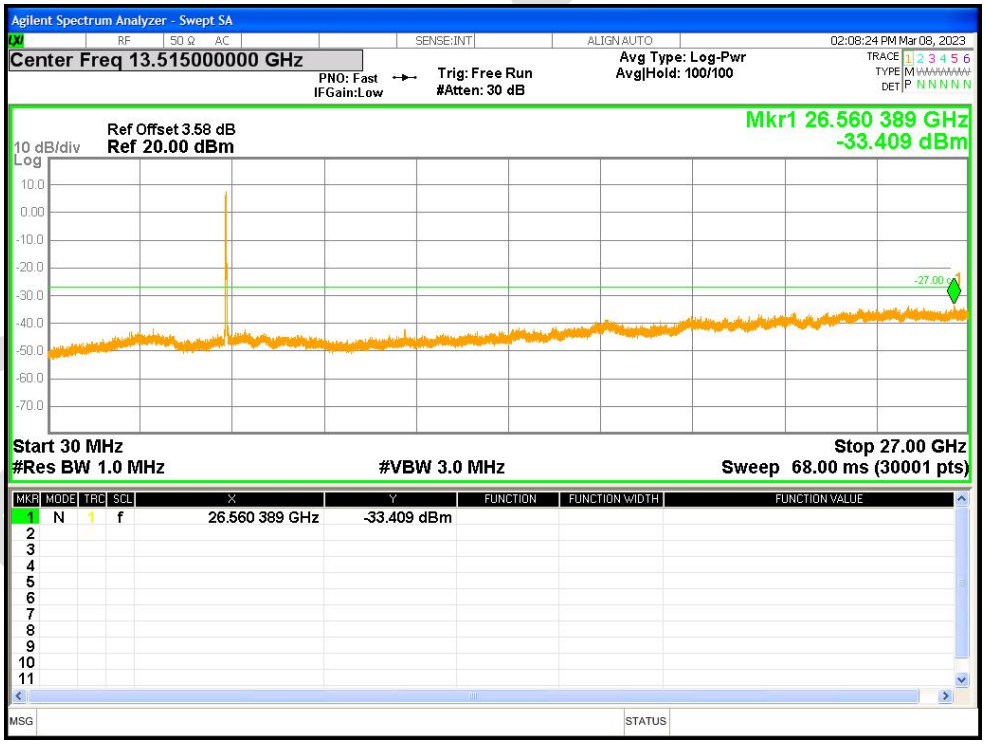
Tx. Spurious NVNT a 5180MHz Ant1 Emission



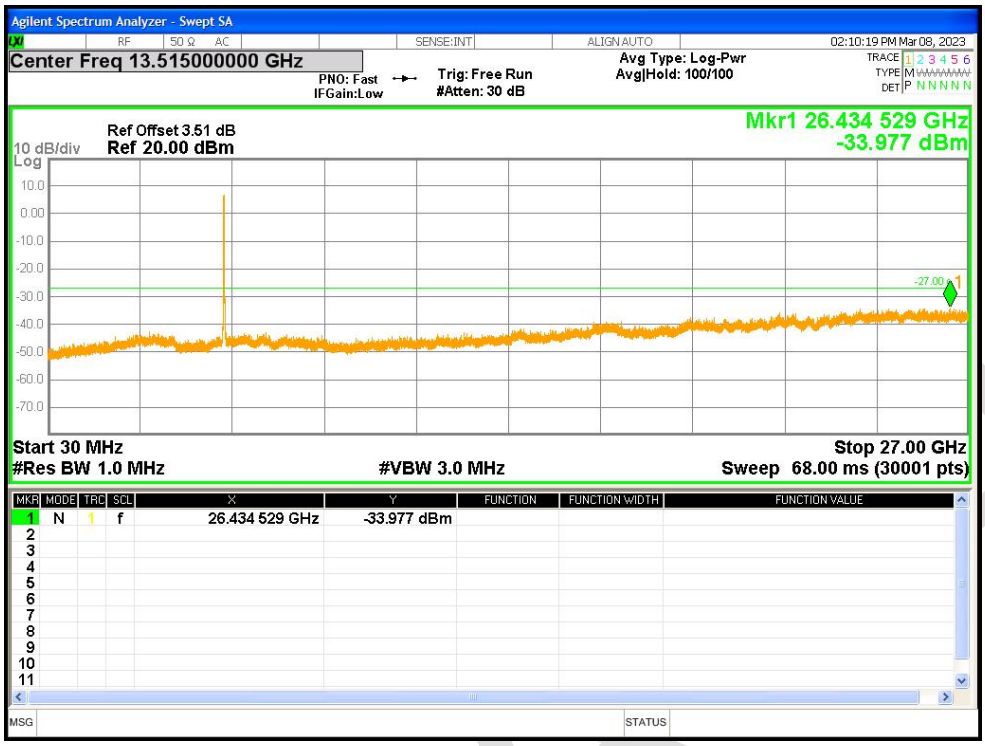
Tx. Spurious NVNT a 5200MHz Ant1 Emission



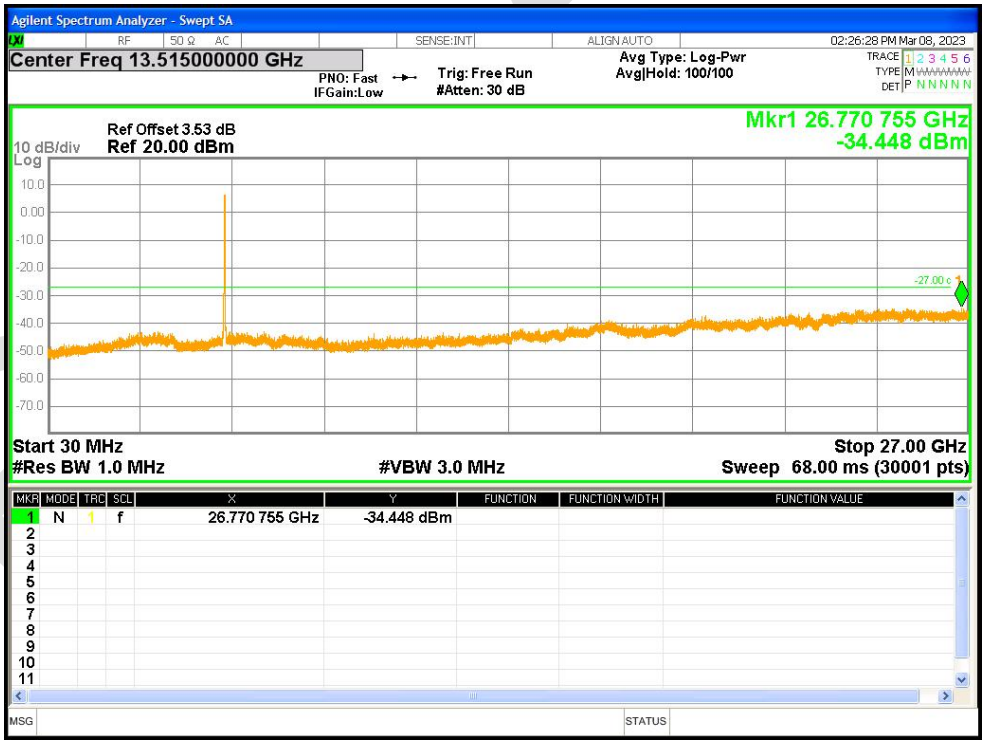
Tx. Spurious NVNT a 5240MHz Ant1 Emission



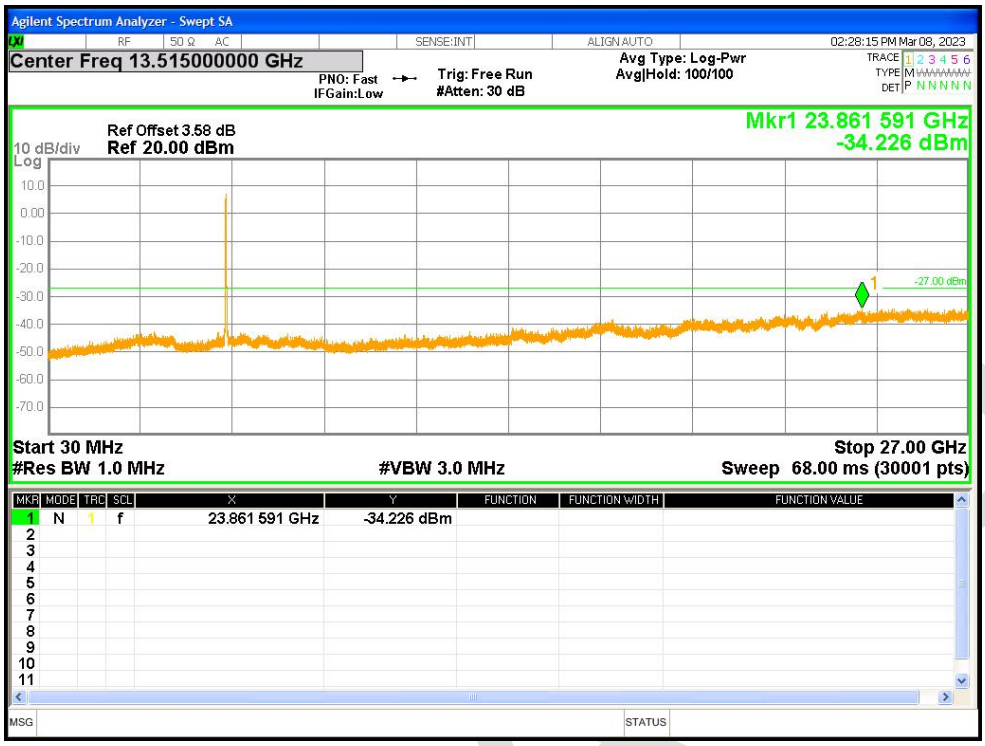
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



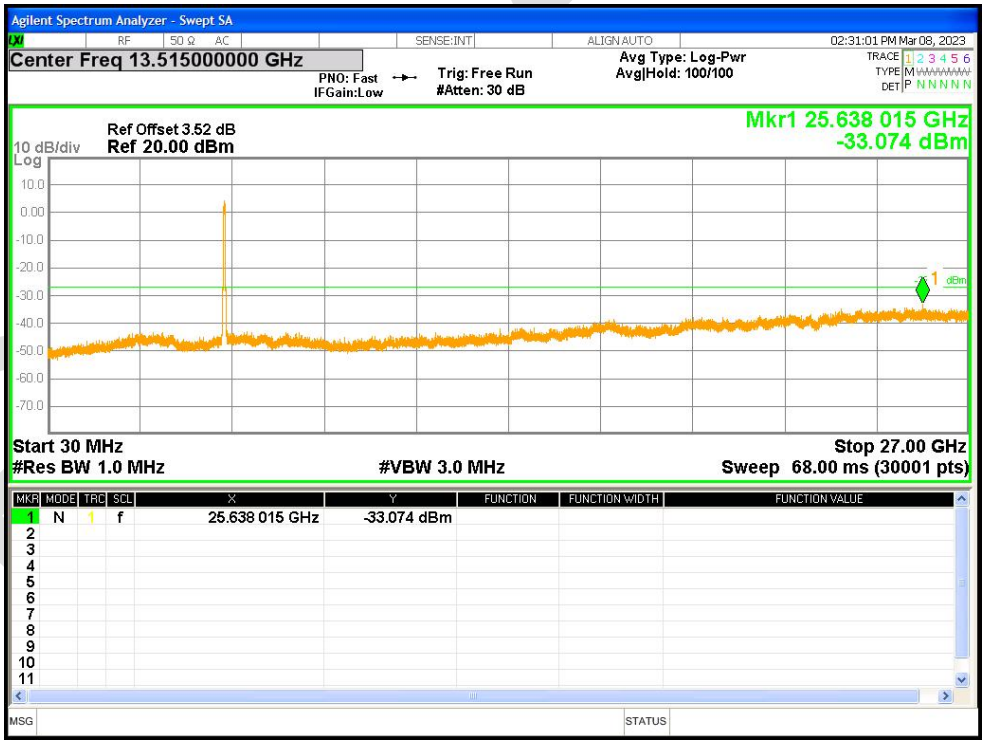
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



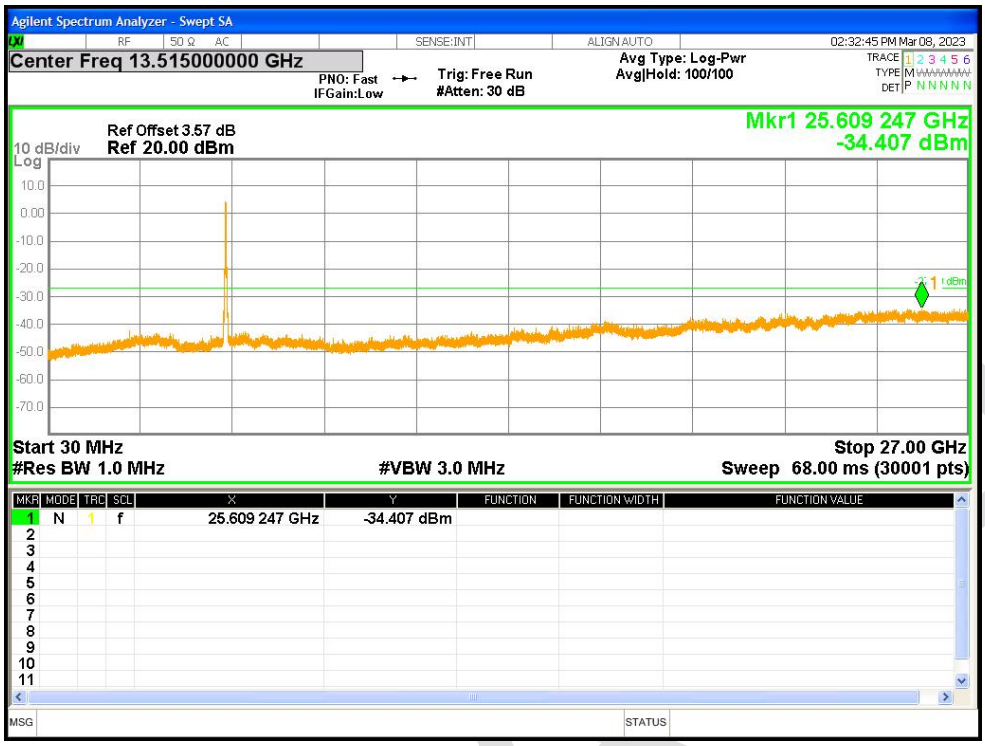
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

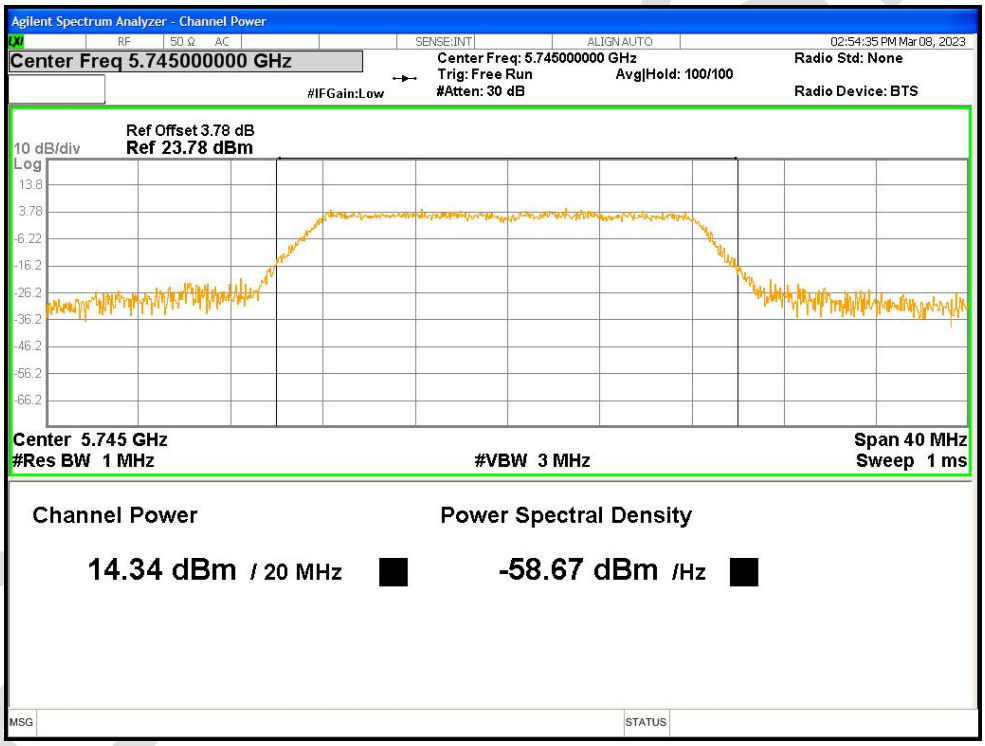

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
02:32:45 PM Mar 08, 2023
Ref Offset 3.57 dB
10 dB/div
Ref 20.00 dBm
Mkr1 25.609 247 GHz
-34.407 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 68.00 ms (30001 pts)
1 N 1 f 25.609 247 GHz -34.407 dBm

21.2 5.8G

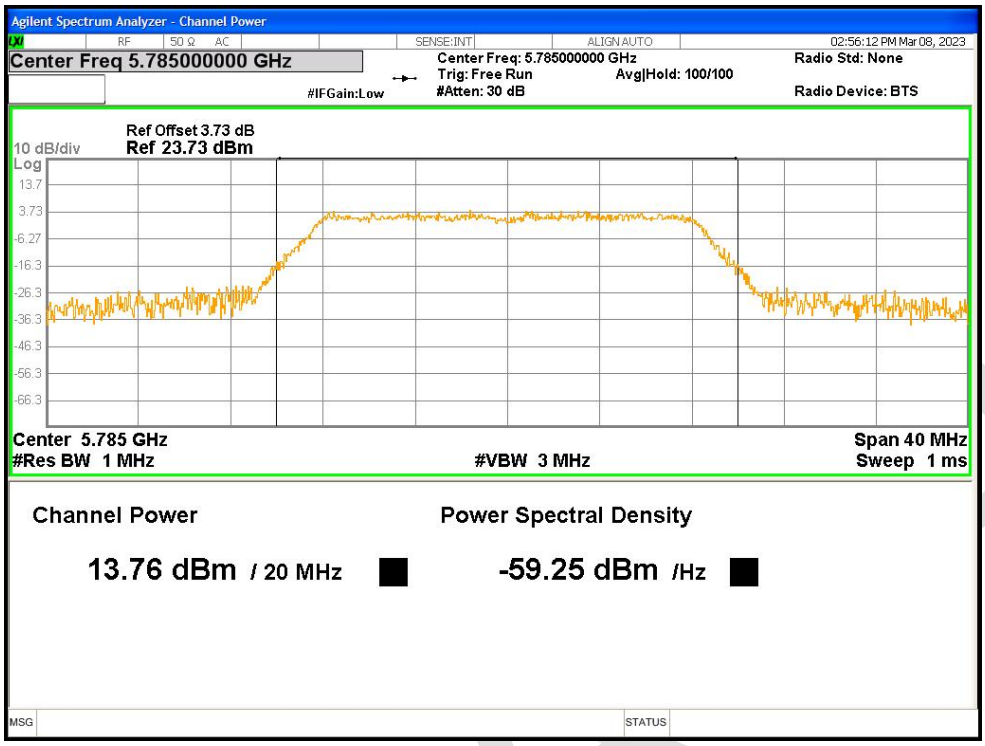
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	14.342	30	Pass
NVNT	a	5785	Ant1	13.763	30	Pass
NVNT	a	5825	Ant1	13.131	30	Pass
NVNT	n20	5745	Ant1	14.406	30	Pass
NVNT	n20	5785	Ant1	13.624	30	Pass
NVNT	n20	5825	Ant1	13.072	30	Pass
NVNT	n40	5755	Ant1	14.487	30	Pass
NVNT	n40	5795	Ant1	13.985	30	Pass

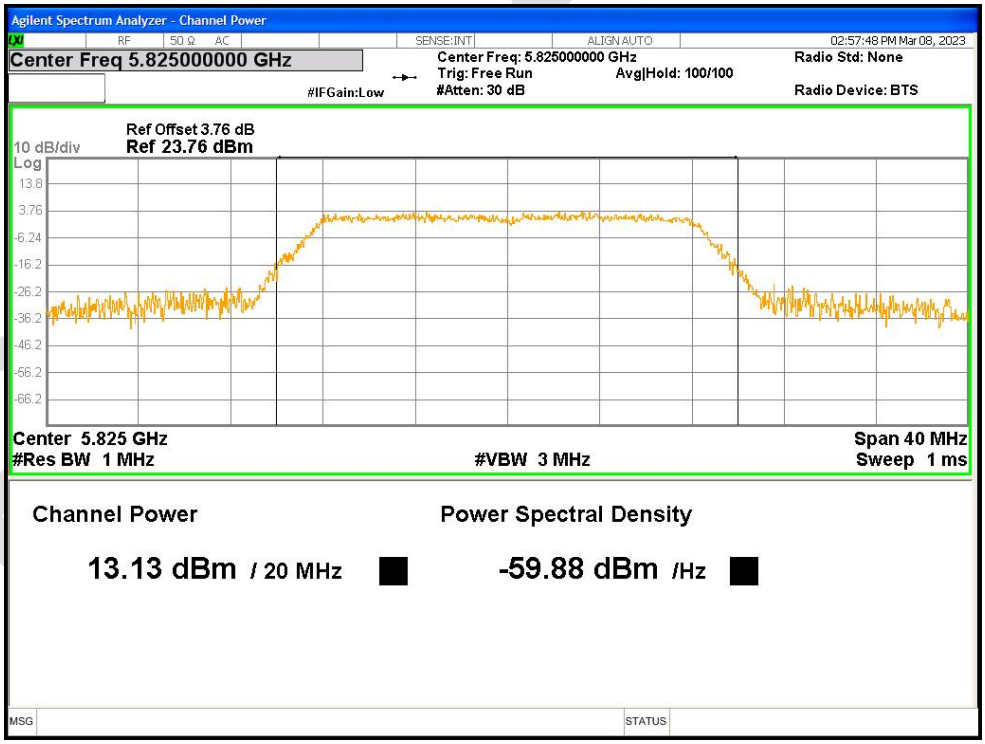
Power NVNT a 5745MHz Ant1



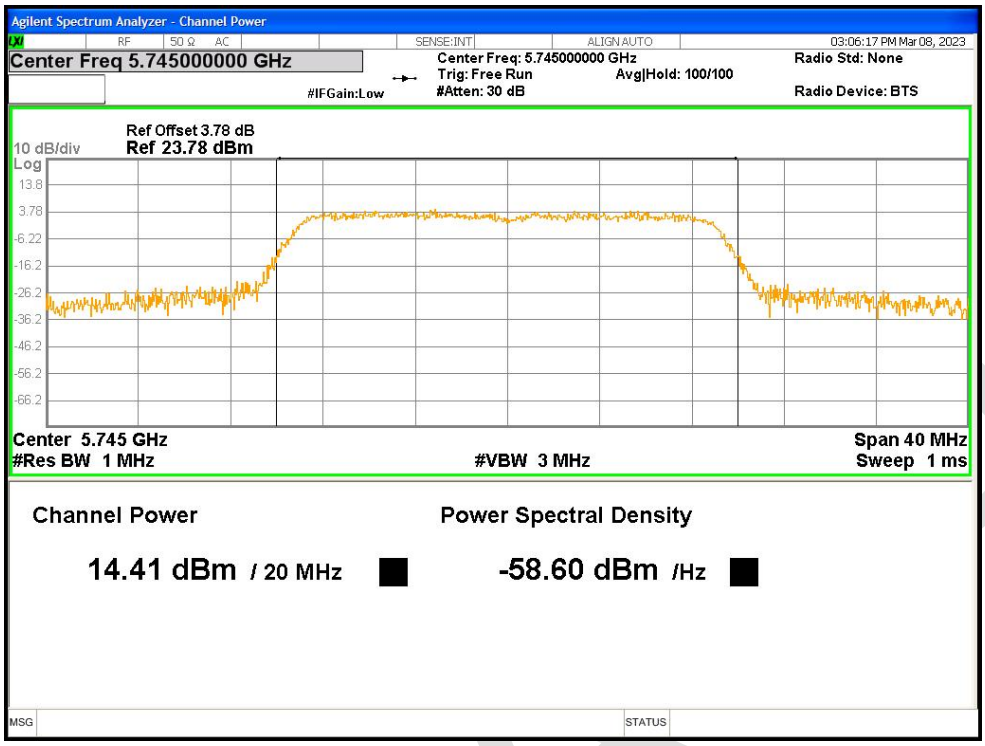
Power NVNT a 5785MHz Ant1



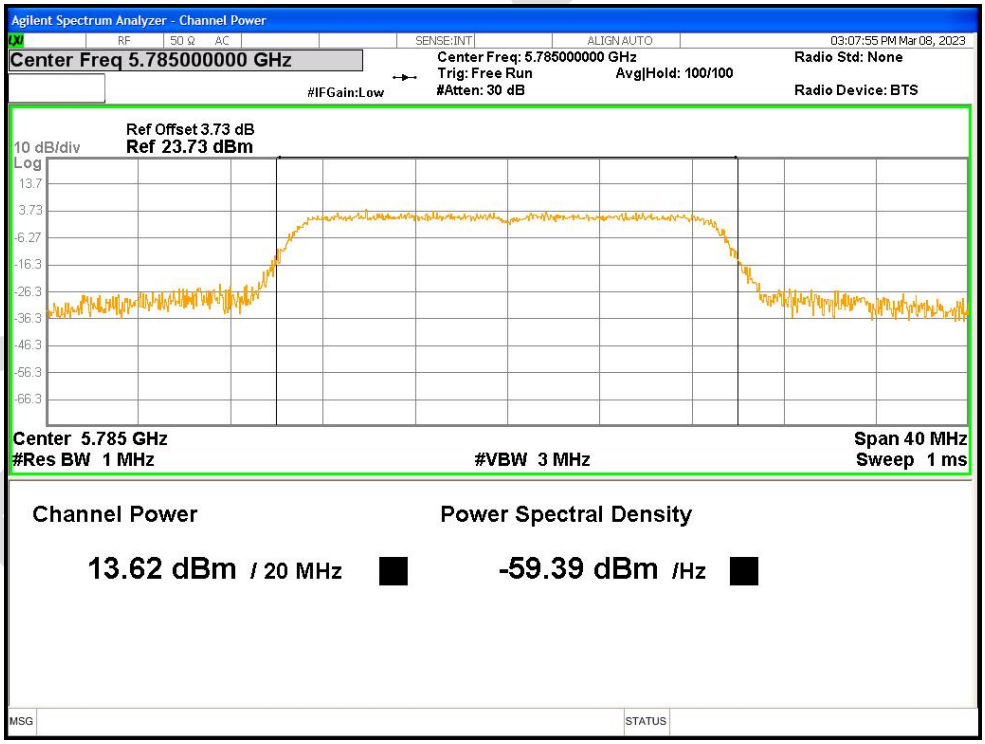
Power NVNT a 5825MHz Ant1



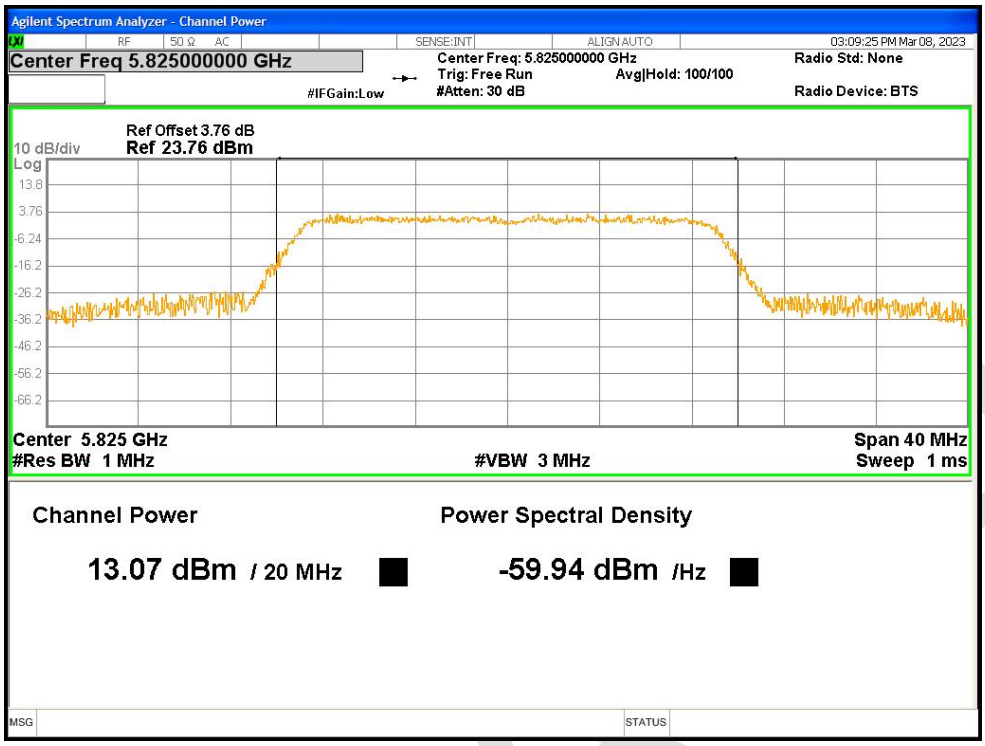
Power NVNT n20 5745MHz Ant1



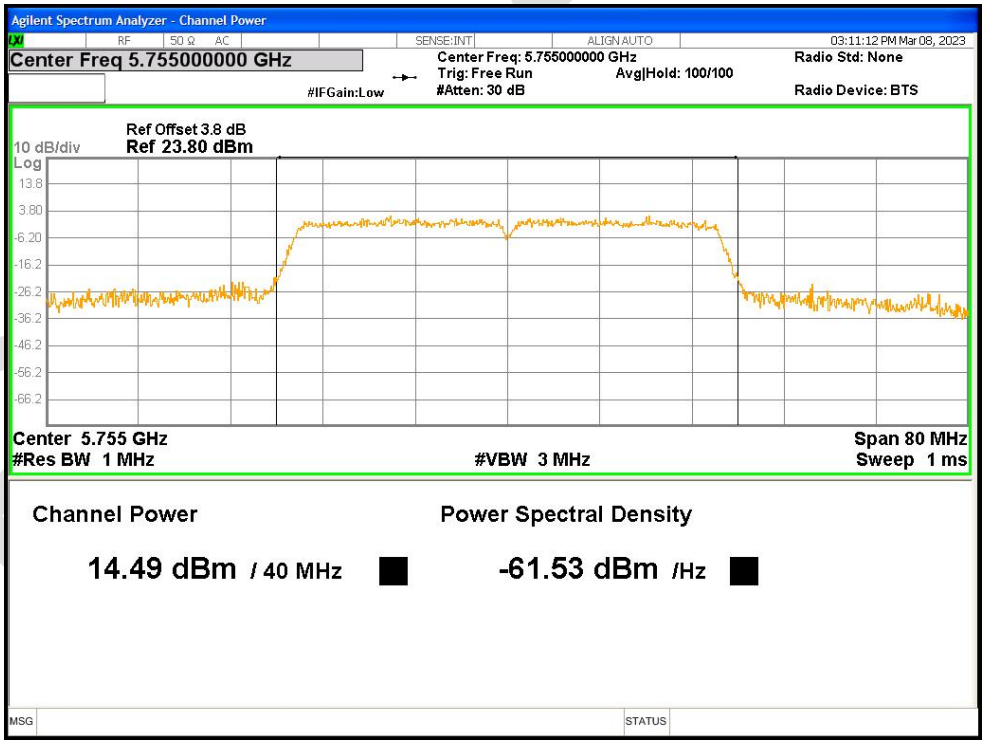
Power NVNT n20 5785MHz Ant1



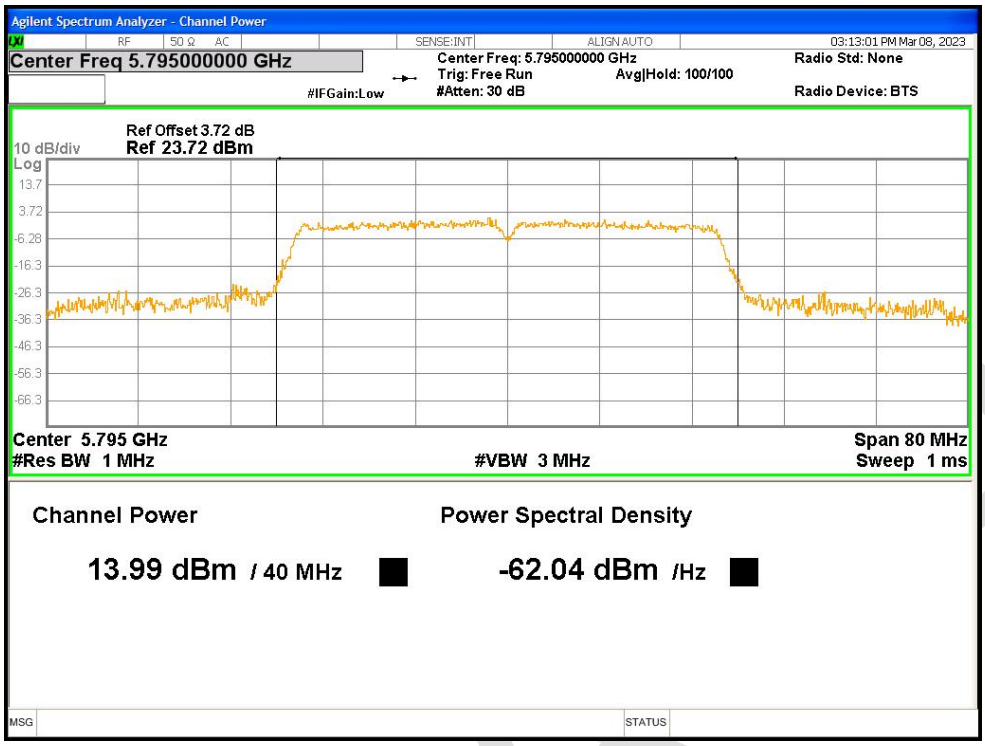
Power NVNT n20 5825MHz Ant1



Power NVNT n40 5755MHz Ant1



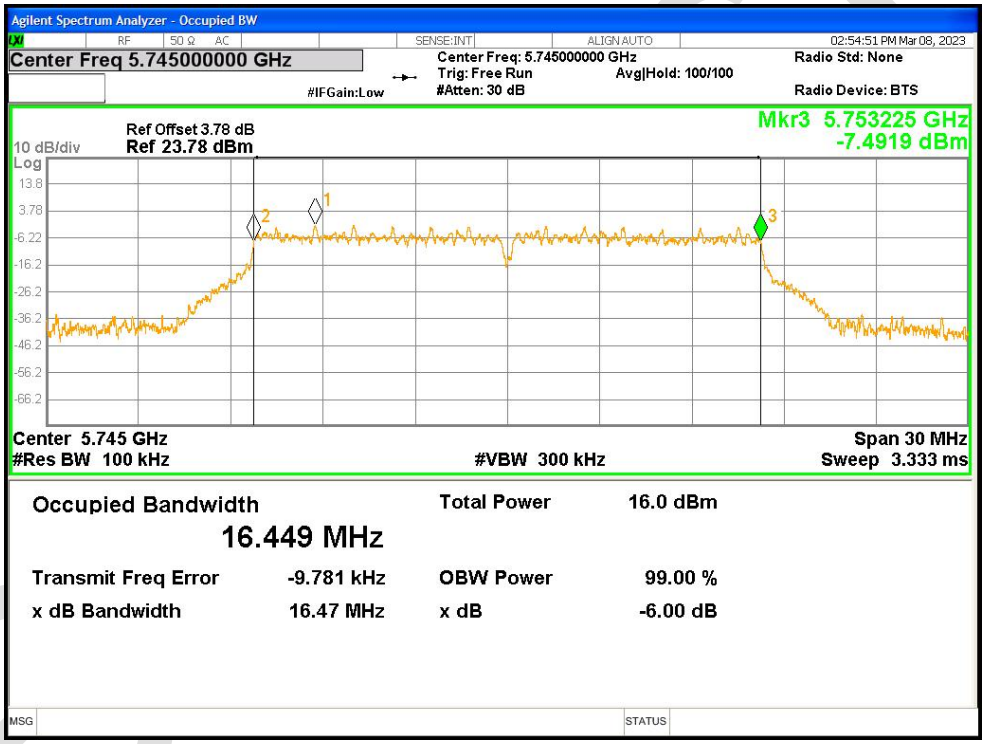
Power NVNT n40 5795MHz Ant1


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:13:01 PM Mar 08, 2023
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Ref Offset 3.72 dB
10 dB/div
Ref 23.72 dBm
Log
13.7
3.72
-6.28
-16.3
-26.3
-36.3
-46.3
-56.3
-66.3
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Channel Power
13.99 dBm / 40 MHz
Power Spectral Density
-62.04 dBm /Hz
MSG
STATUS

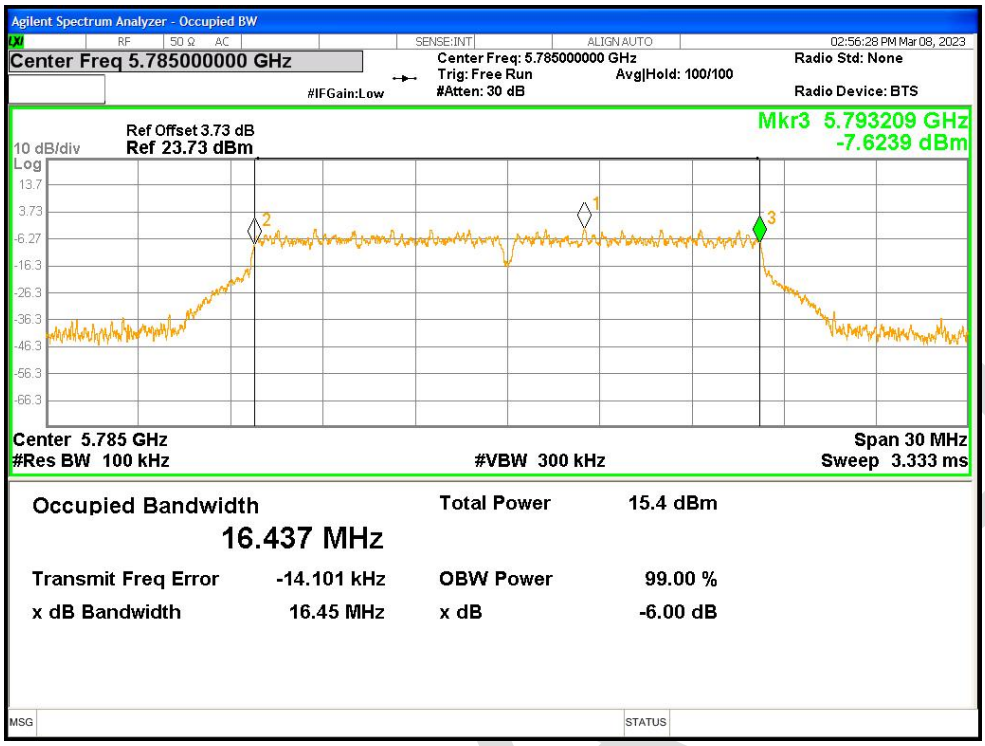
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.47	0.5	Pass
NVNT	a	5785	Ant1	16.445	0.5	Pass
NVNT	a	5825	Ant1	16.462	0.5	Pass
NVNT	n20	5745	Ant1	17.729	0.5	Pass
NVNT	n20	5785	Ant1	17.664	0.5	Pass
NVNT	n20	5825	Ant1	17.719	0.5	Pass
NVNT	n40	5755	Ant1	36.361	0.5	Pass
NVNT	n40	5795	Ant1	36.126	0.5	Pass

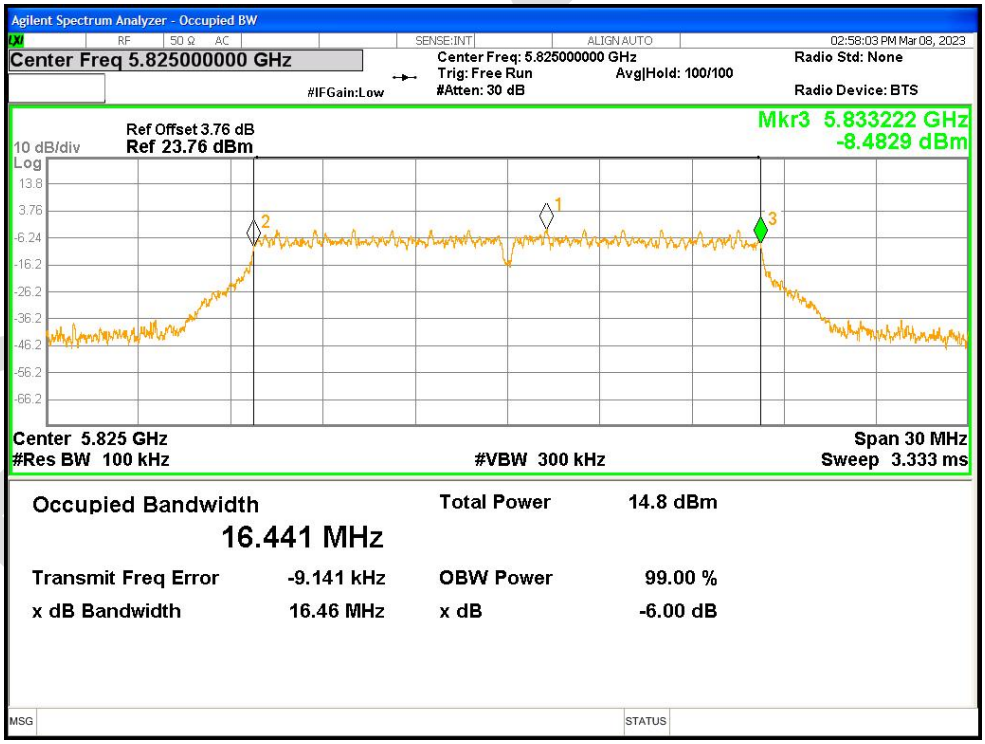
-6dB Bandwidth NVNT a 5745MHz Ant1



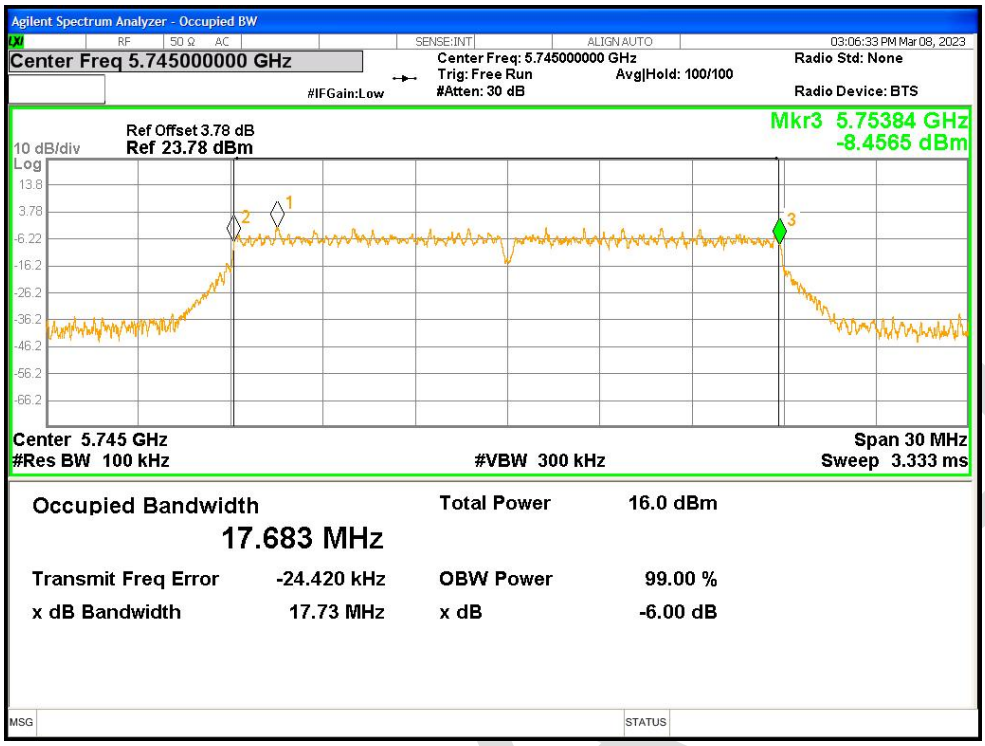
-6dB Bandwidth NVNT a 5785MHz Ant1



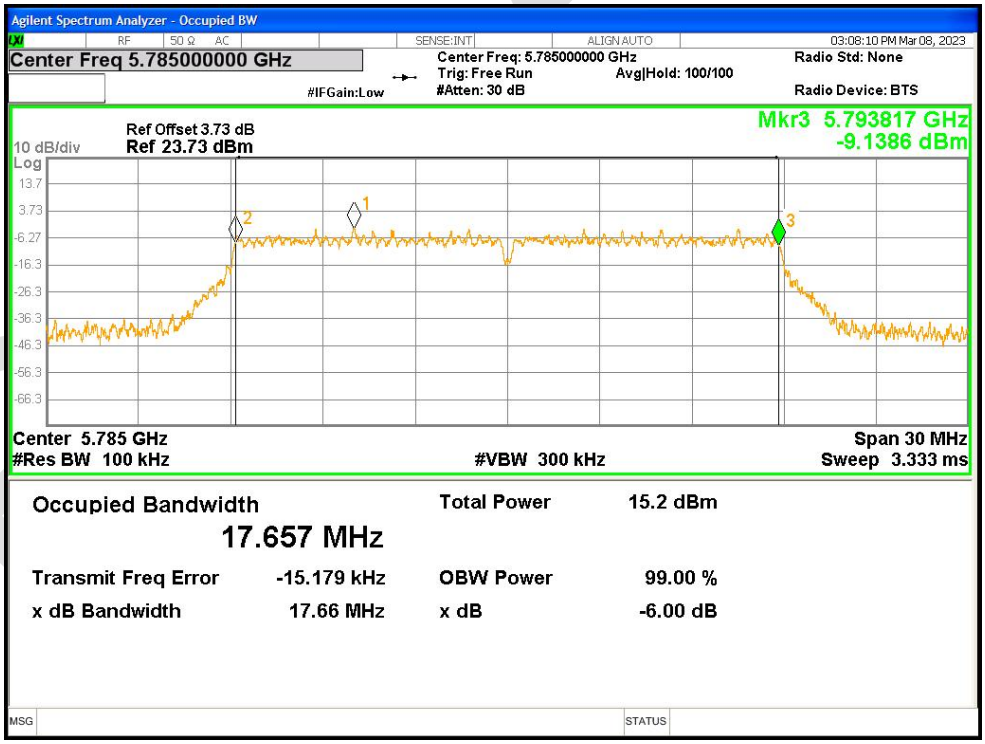
-6dB Bandwidth NVNT a 5825MHz Ant1



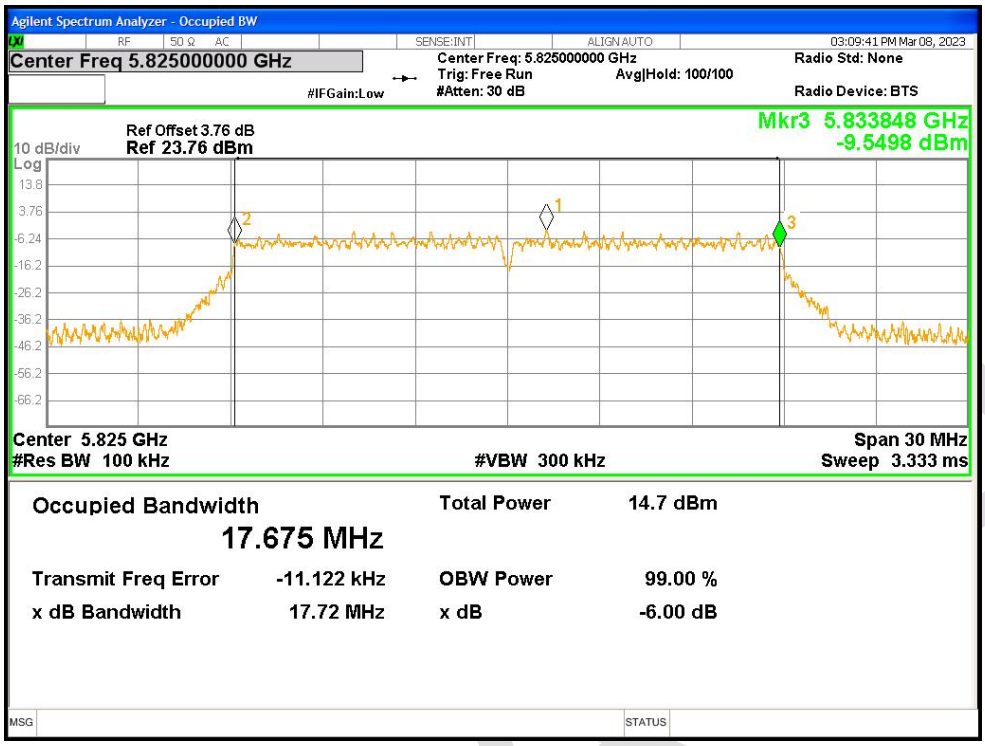
-6dB Bandwidth NVNT n20 5745MHz Ant1



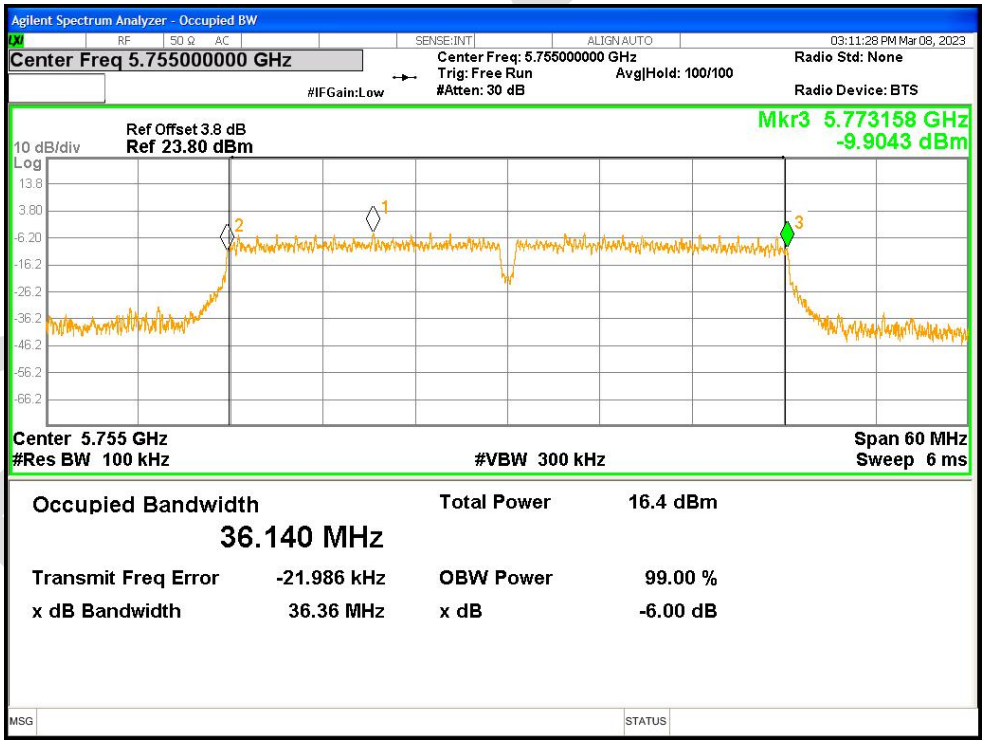
-6dB Bandwidth NVNT n20 5785MHz Ant1



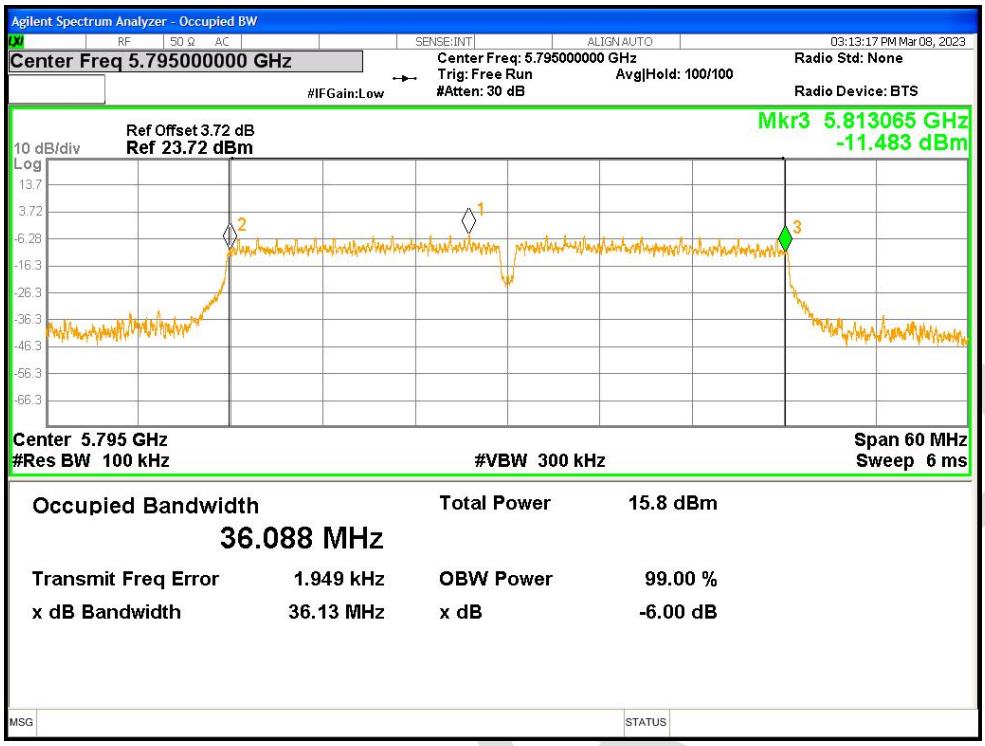
-6dB Bandwidth NVNT n20 5825MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant1



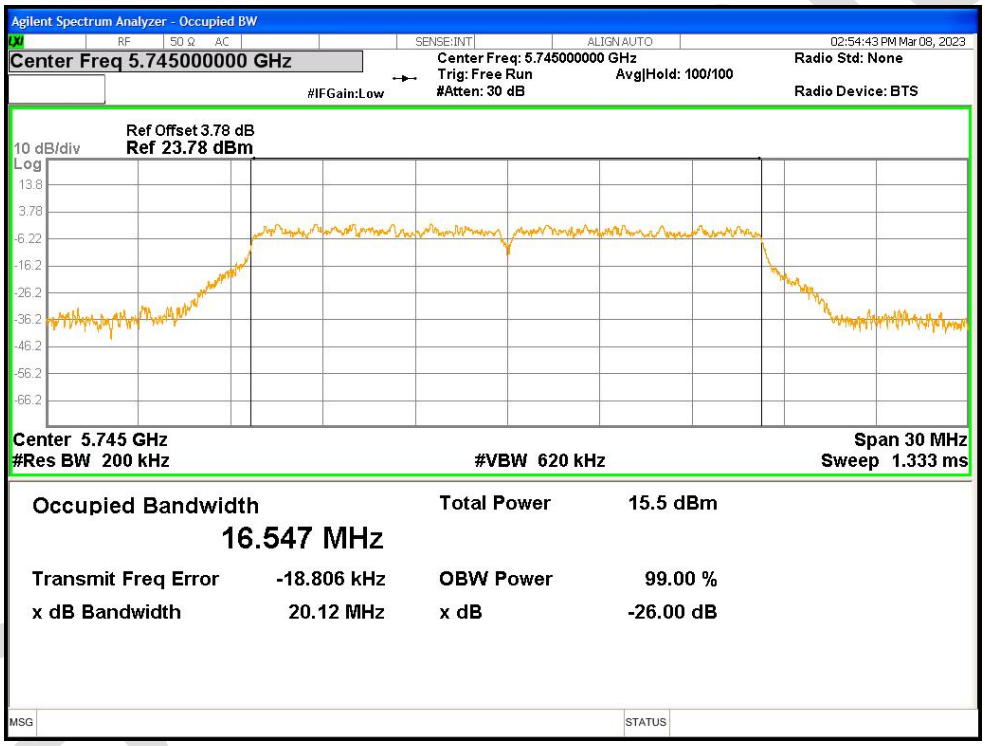
-6dB Bandwidth NVNT n40 5795MHz Ant1


Agilent Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT
ALIGN AUTO
03:13:17 PM Mar 08, 2023
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Ref Offset 3.72 dB
10 dB/div
Ref 23.72 dBm
Log
Mkr3 5.813065 GHz
-11.483 dBm
13.7
3.72
-6.28
-16.3
-26.3
-36.3
-46.3
-56.3
-66.3
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
Occupied Bandwidth
36.088 MHz
Total Power 15.8 dBm
Transmit Freq Error 1.949 kHz
OBW Power 99.00 %
x dB Bandwidth 36.13 MHz
x dB -6.00 dB
MSG
STATUS

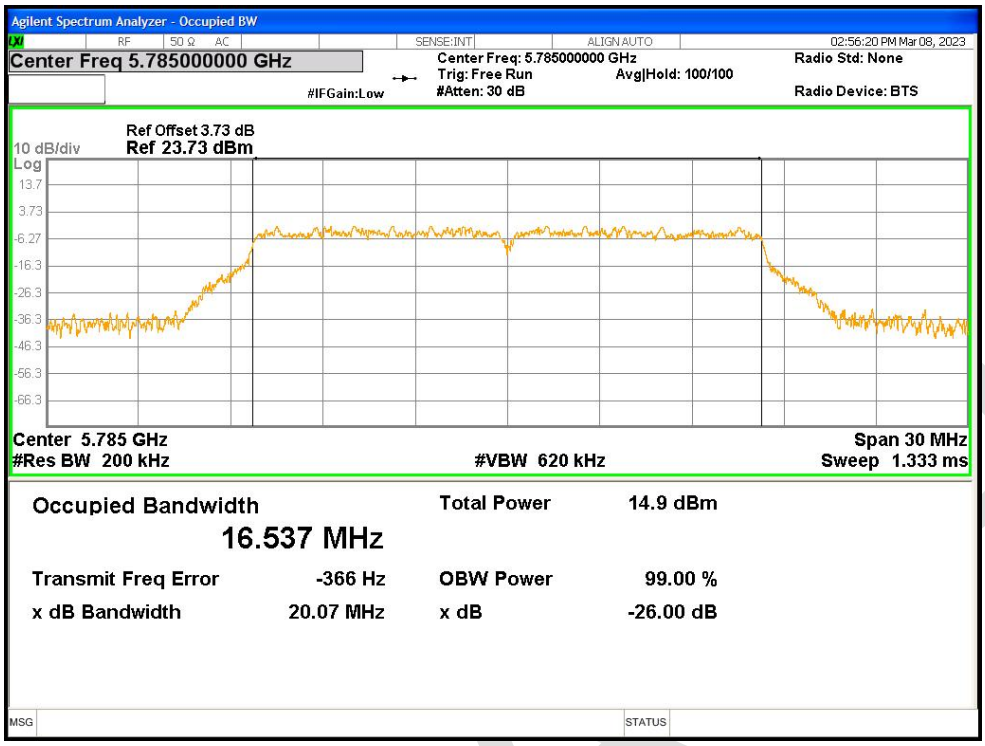
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.547
NVNT	a	5785	Ant1	16.537
NVNT	a	5825	Ant1	16.542
NVNT	n20	5745	Ant1	17.746
NVNT	n20	5785	Ant1	17.741
NVNT	n20	5825	Ant1	17.731
NVNT	n40	5755	Ant1	36.336
NVNT	n40	5795	Ant1	36.285

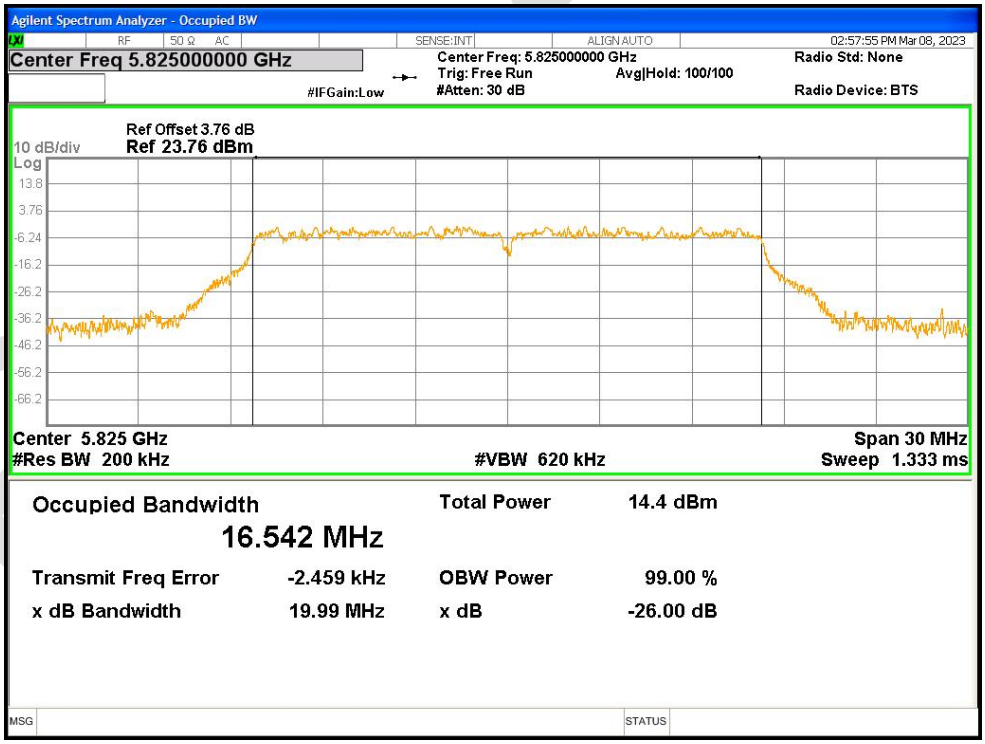
OBW NVNT a 5745MHz Ant1



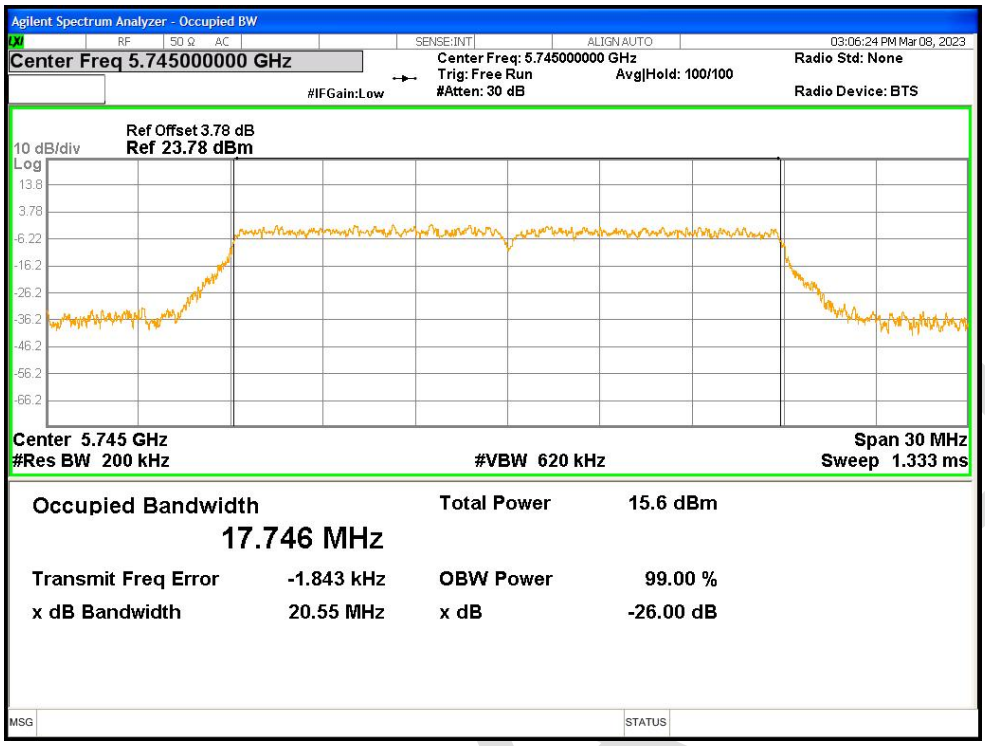
OBW NVNT a 5785MHz Ant1



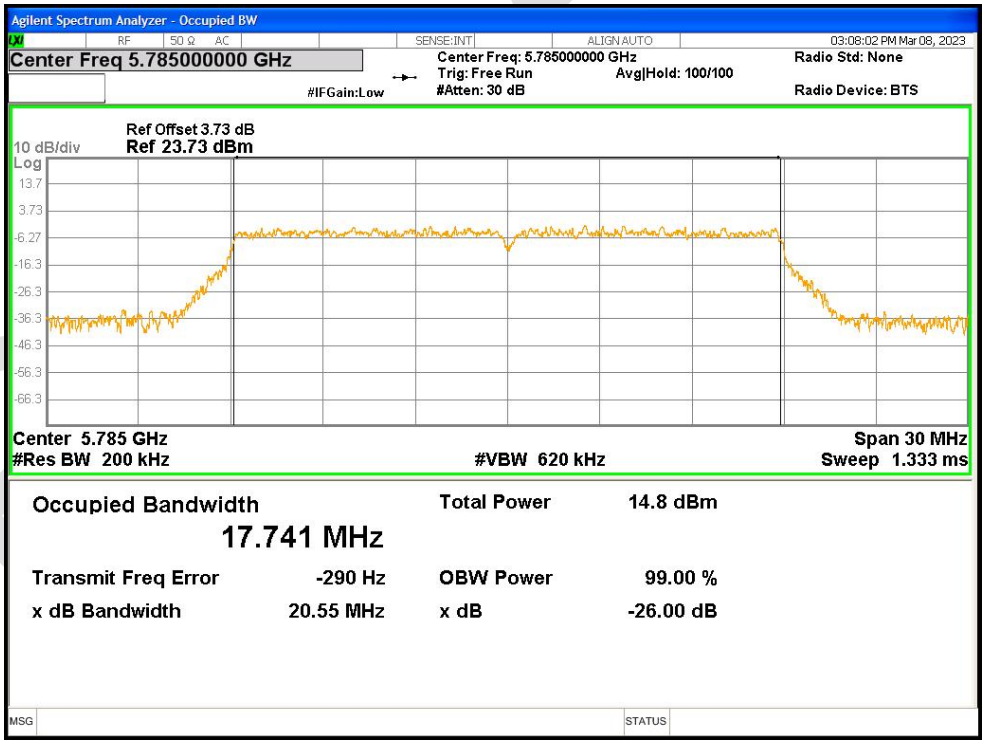
OBW NVNT a 5825MHz Ant1



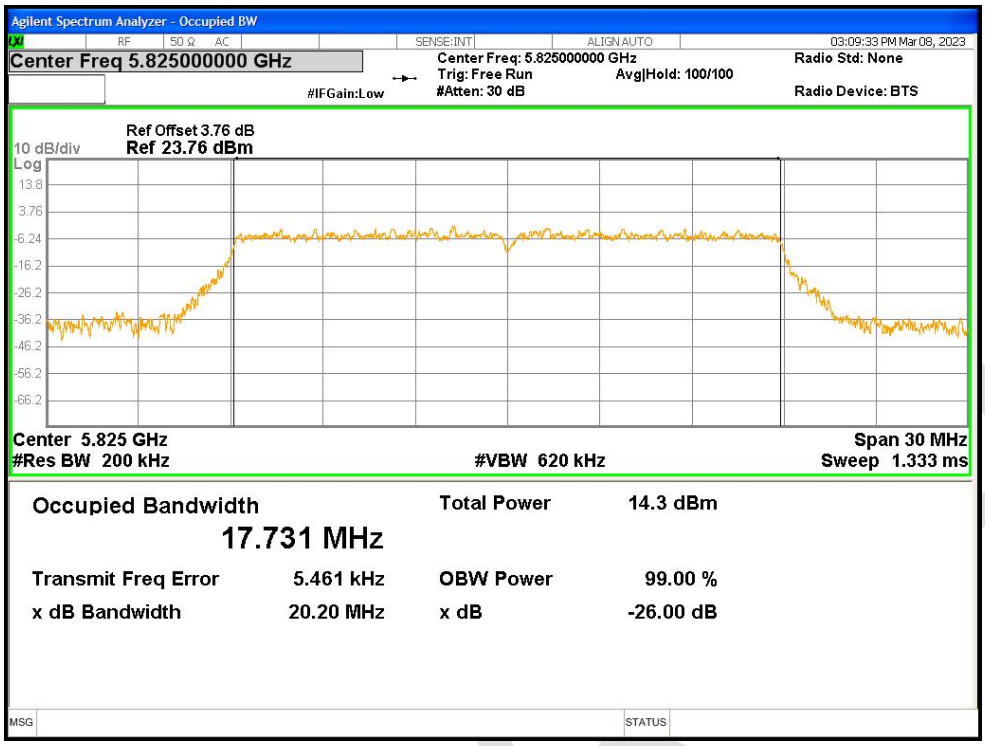
OBW NVNT n20 5745MHz Ant1



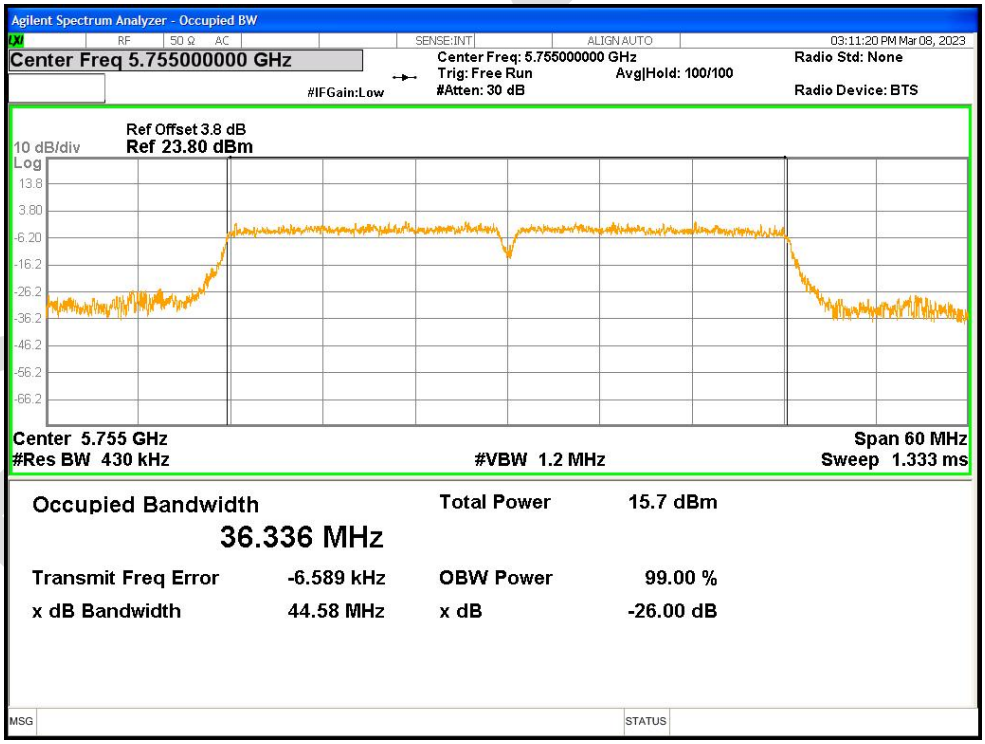
OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1



OBW NVNT n40 5755MHz Ant1



OBW NVNT n40 5795MHz Ant1