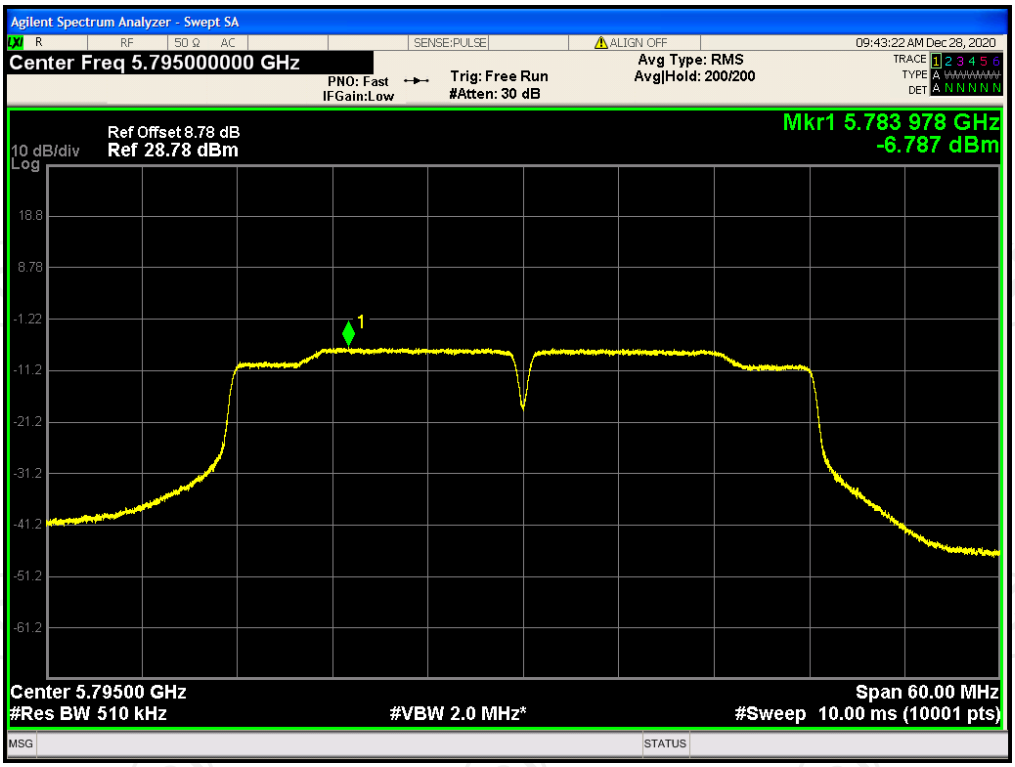
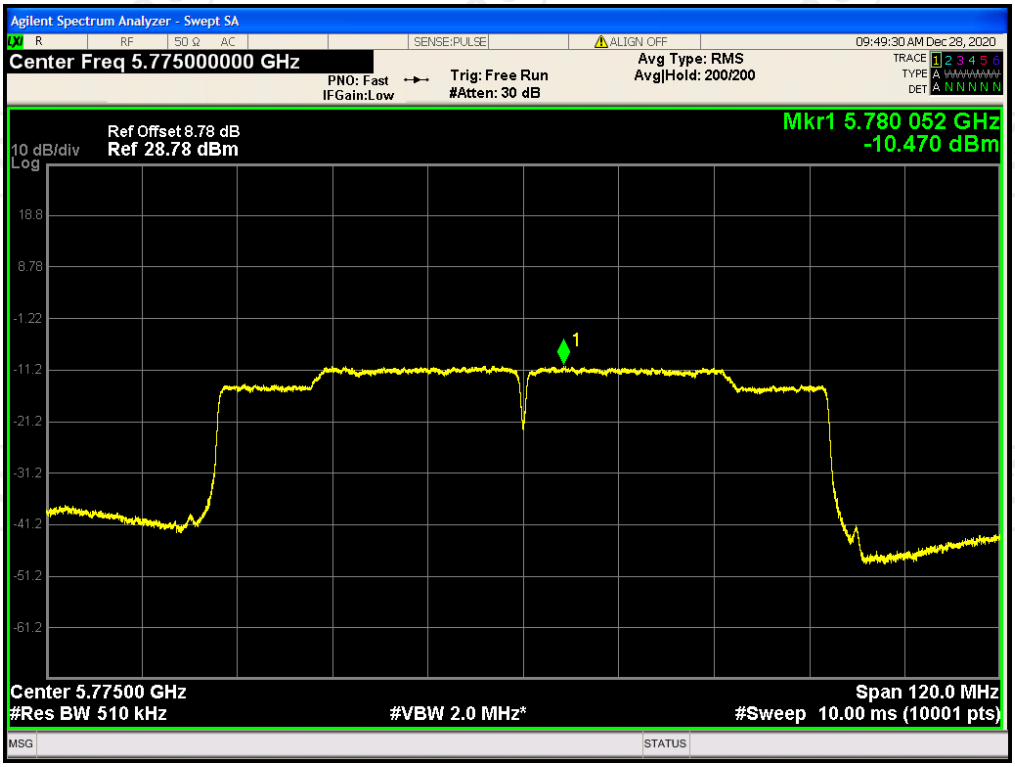
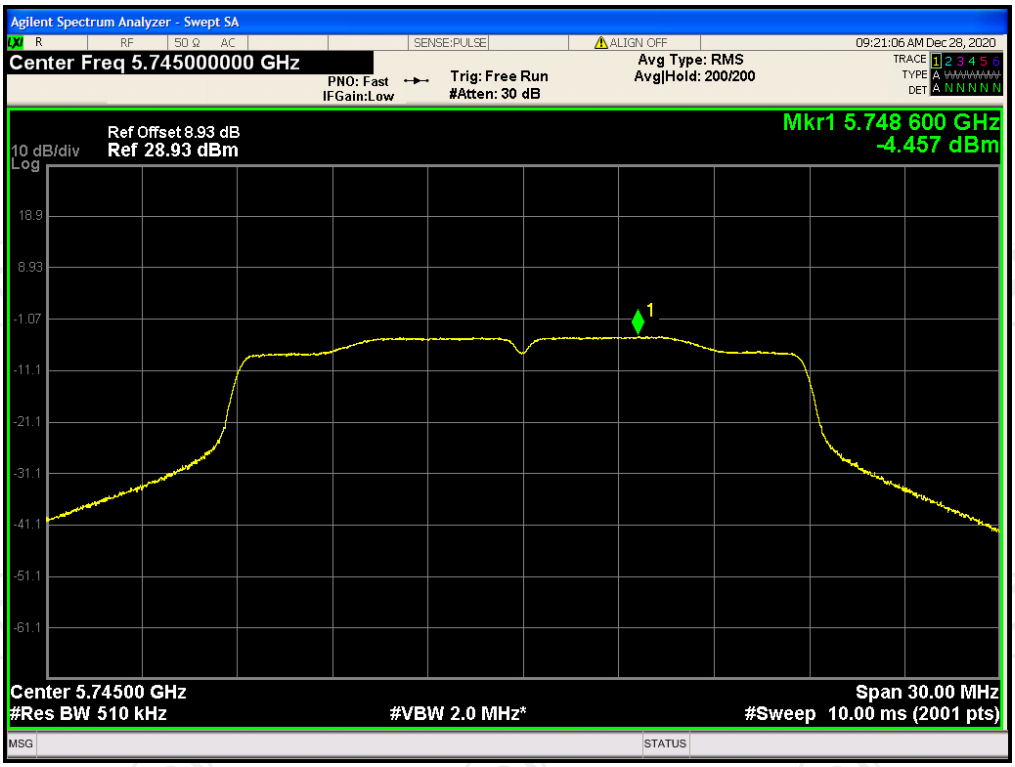


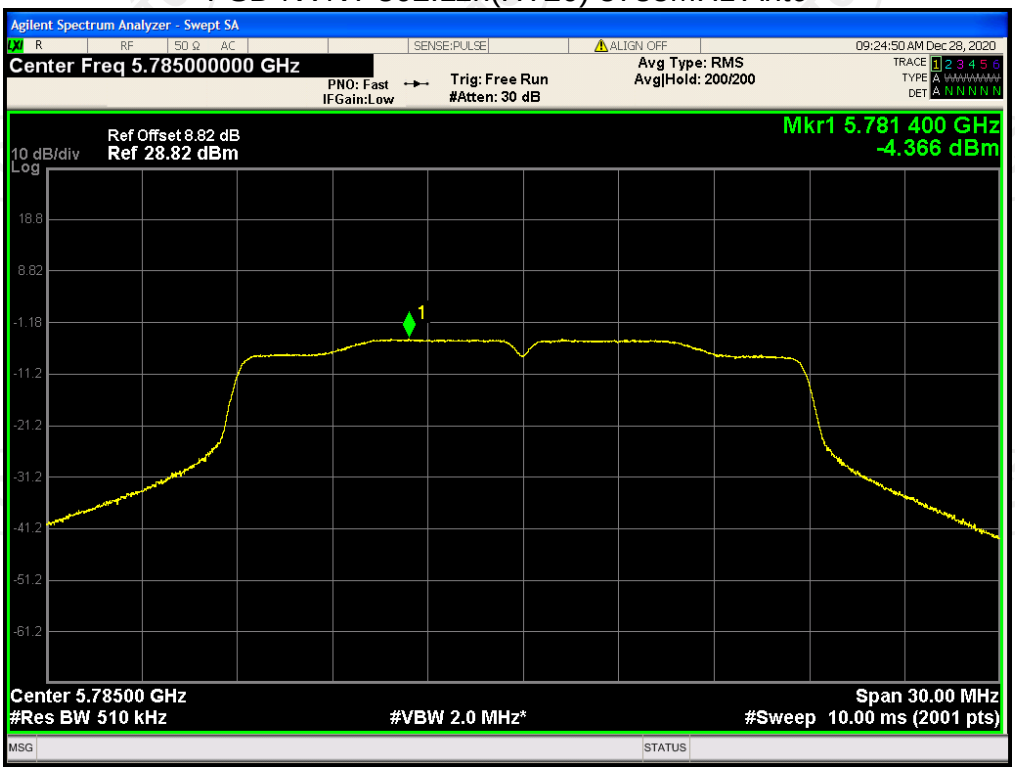
PSD NVNT 802.11ac80 5775MHz Ant0



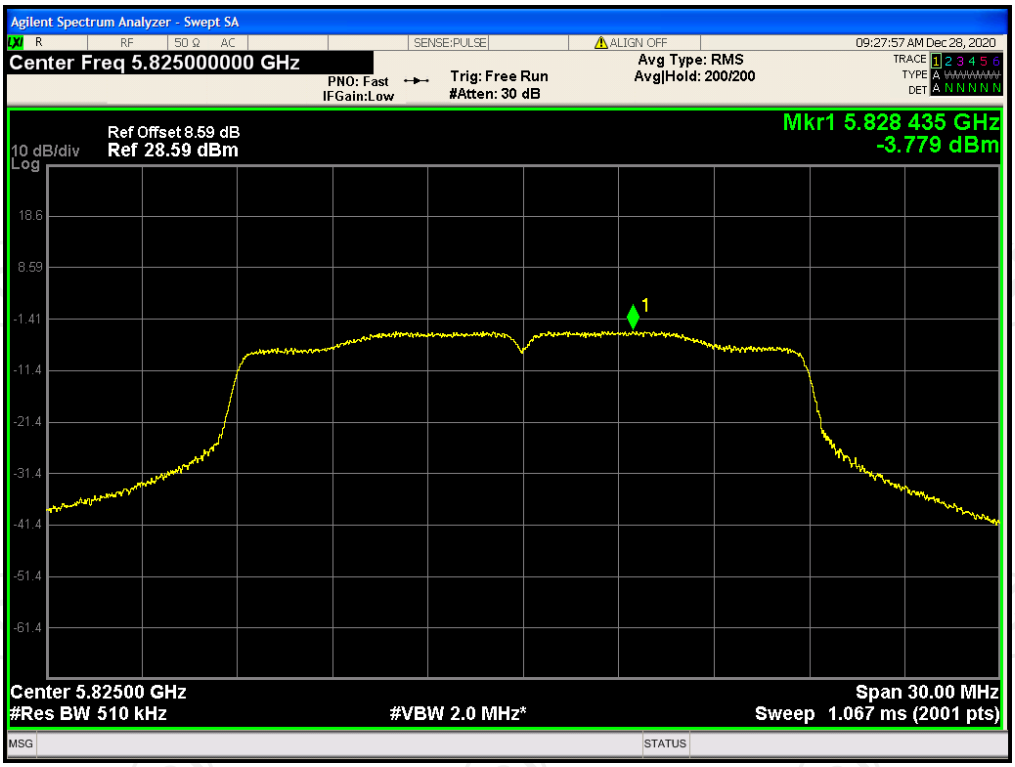
PSD NVNT 802.11n(HT20) 5745MHz Ant0



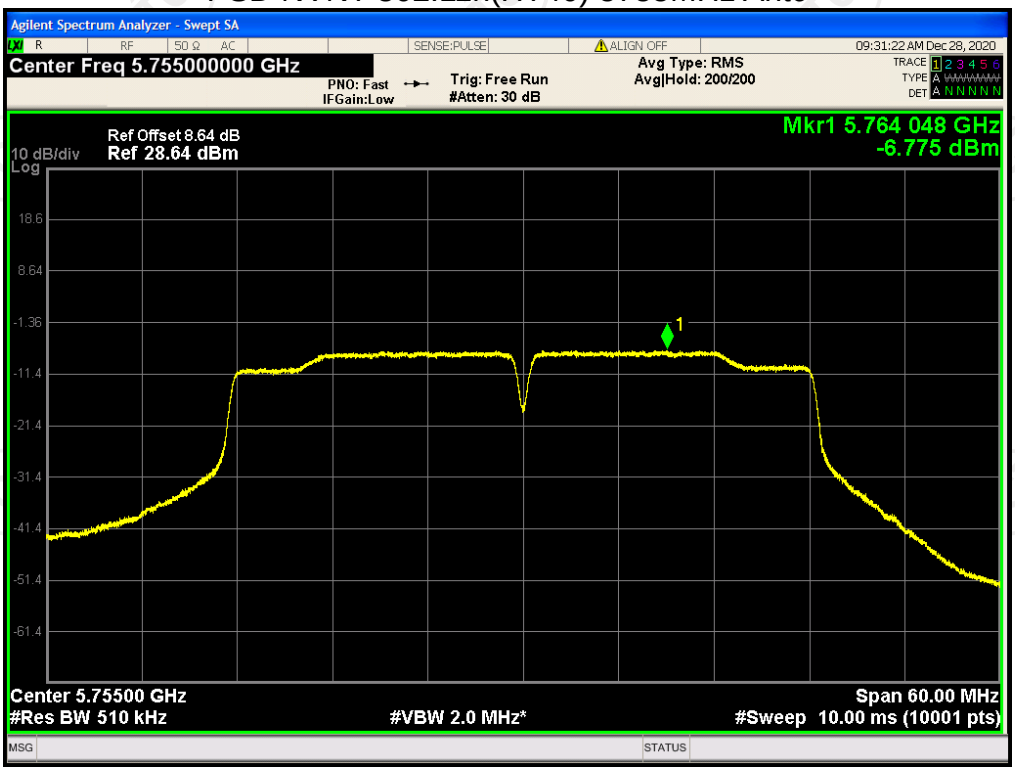
PSD NVNT 802.11n(HT20) 5785MHz Ant0



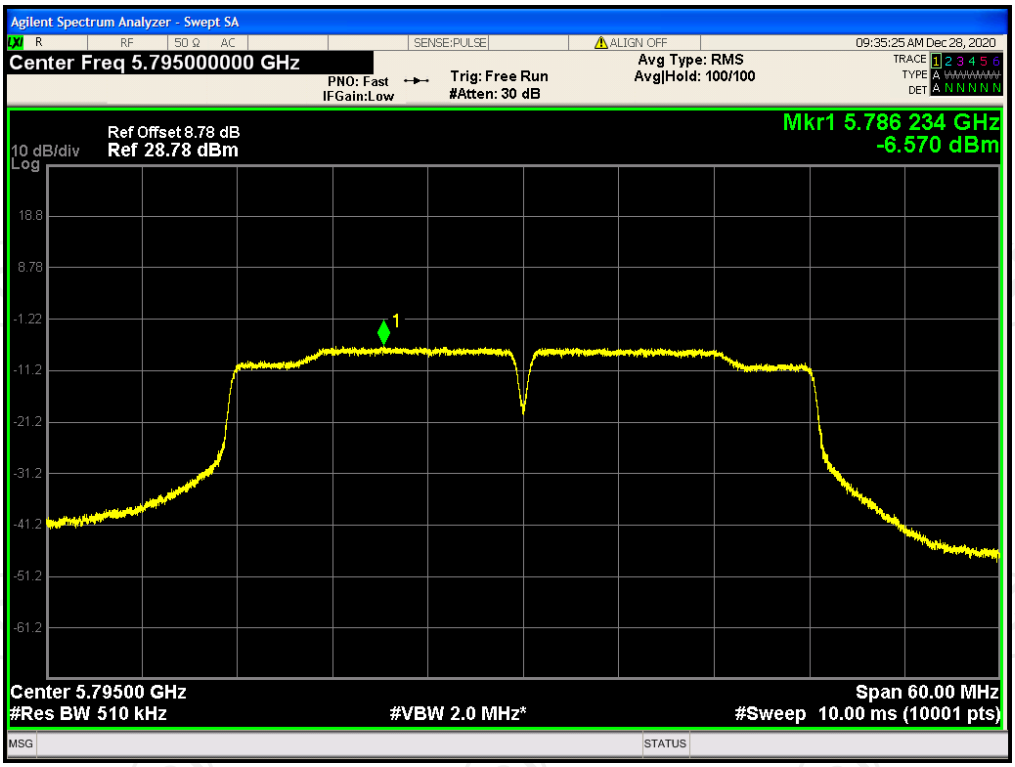
PSD NVNT 802.11n(HT20) 5825MHz Ant0



PSD NVNT 802.11n(HT40) 5755MHz Ant0



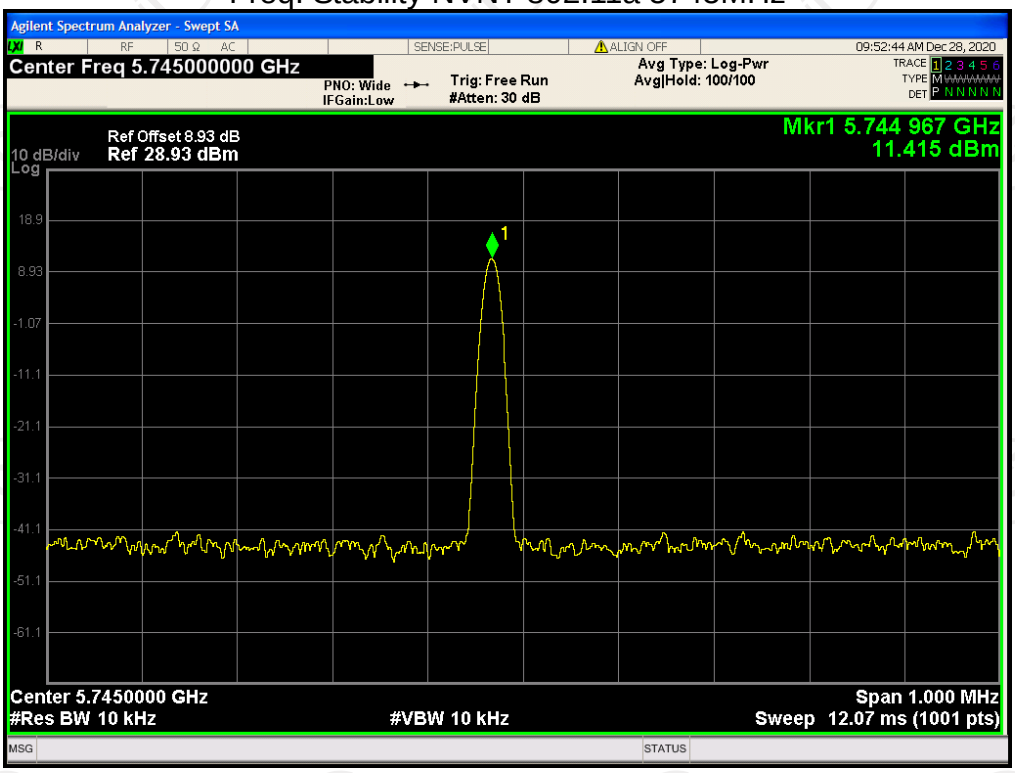
PSD NVNT 802.11n(HT40) 5795MHz Ant0


Agilent Spectrum Analyzer - Swept SA
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
09:35:25 AM Dec 28, 2020
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE A WWWWWW
DET A N N N N N
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Log
Mkr1 5.786 234 GHz
-6.570 dBm
18.8
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
1
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 2.0 MHz*
Span 60.00 MHz
#Sweep 10.00 ms (10001 pts)
MSG
STATUS

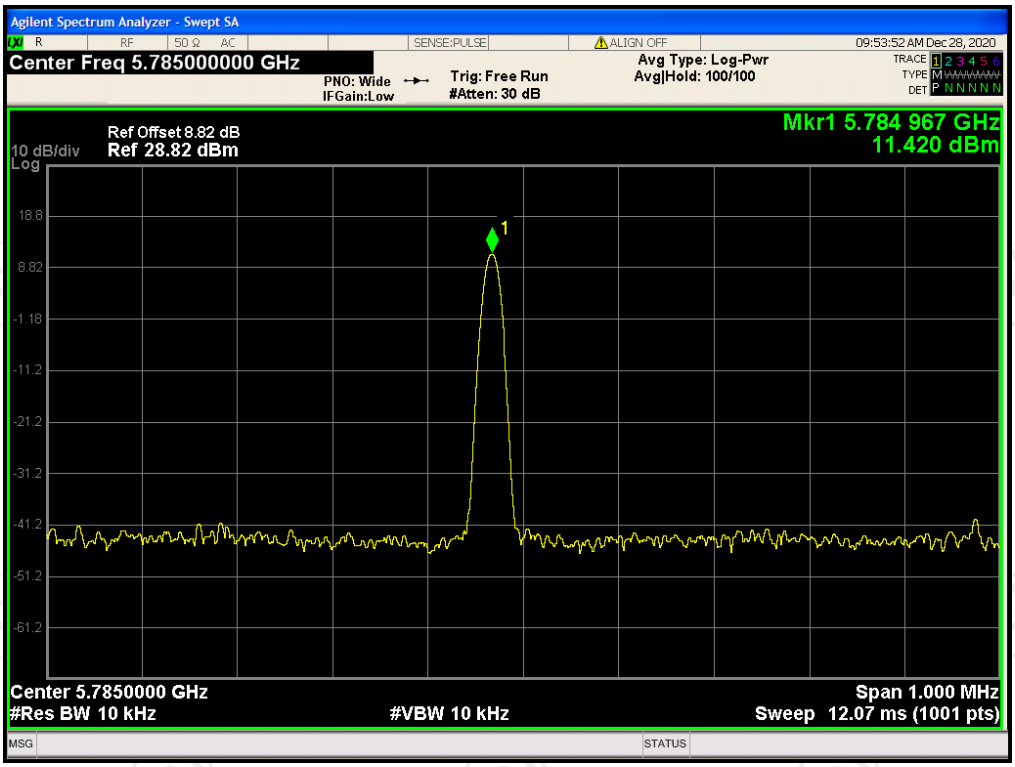
Frequency Stability

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	802.11a	5745	5744.967	-5.74	25	Pass
NVNT	802.11a	5785	5784.967	-5.70	25	Pass
NVNT	802.11a	5825	5824.967	-5.67	25	Pass
NVNT	802.11ac20	5745	5744.967	-5.74	25	Pass
NVNT	802.11ac20	5785	5784.966	-5.88	25	Pass
NVNT	802.11ac20	5825	5824.966	-5.84	25	Pass
NVNT	802.11ac40	5755	5754.967	-5.73	25	Pass
NVNT	802.11ac40	5795	5794.966	-5.87	25	Pass
NVNT	802.11ac80	5775	5774.967	-5.71	25	Pass
NVNT	802.11n(HT20)	5745	5744.967	-5.74	25	Pass
NVNT	802.11n(HT20)	5785	5784.966	-5.88	25	Pass
NVNT	802.11n(HT20)	5825	5824.966	-5.84	25	Pass
NVNT	802.11n(HT40)	5755	5754.968	-5.56	25	Pass
NVNT	802.11n(HT40)	5795	5794.967	-5.69	25	Pass

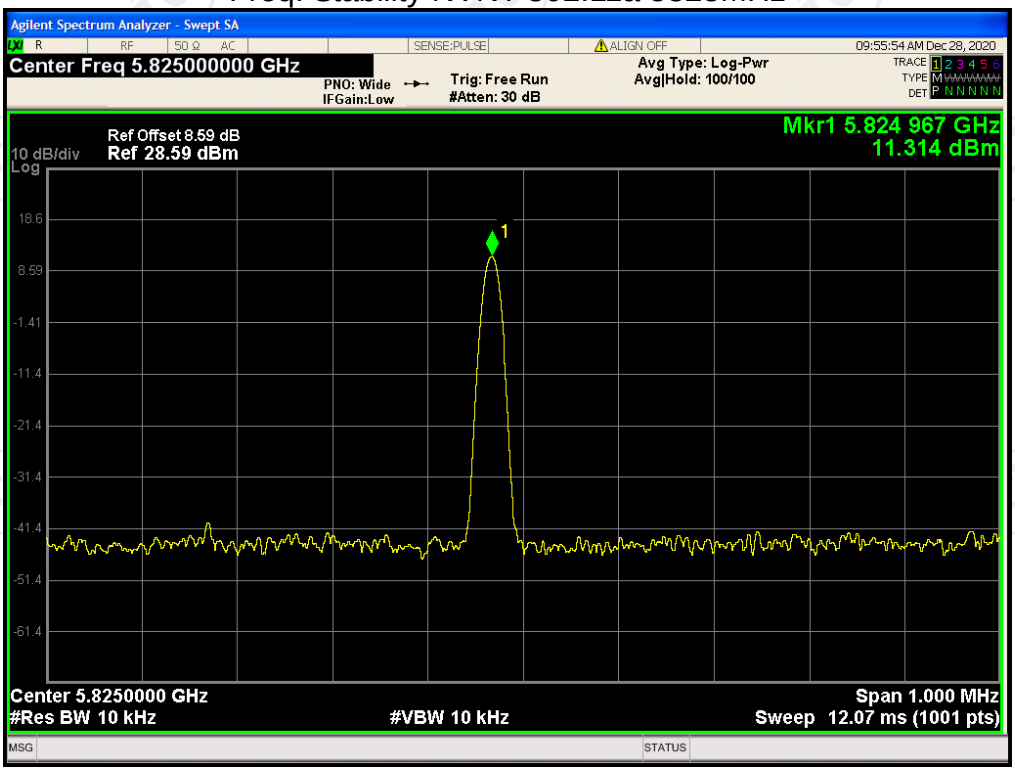
Freq. Stability NVNT 802.11a 5745MHz



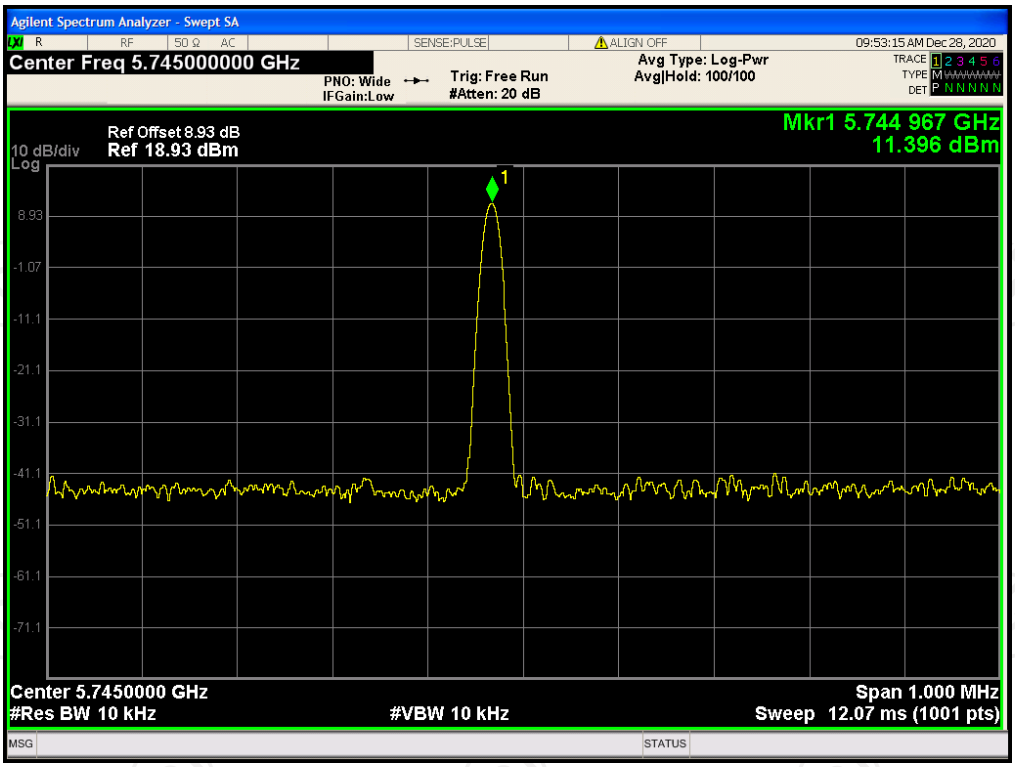
Freq. Stability NVNT 802.11a 5785MHz



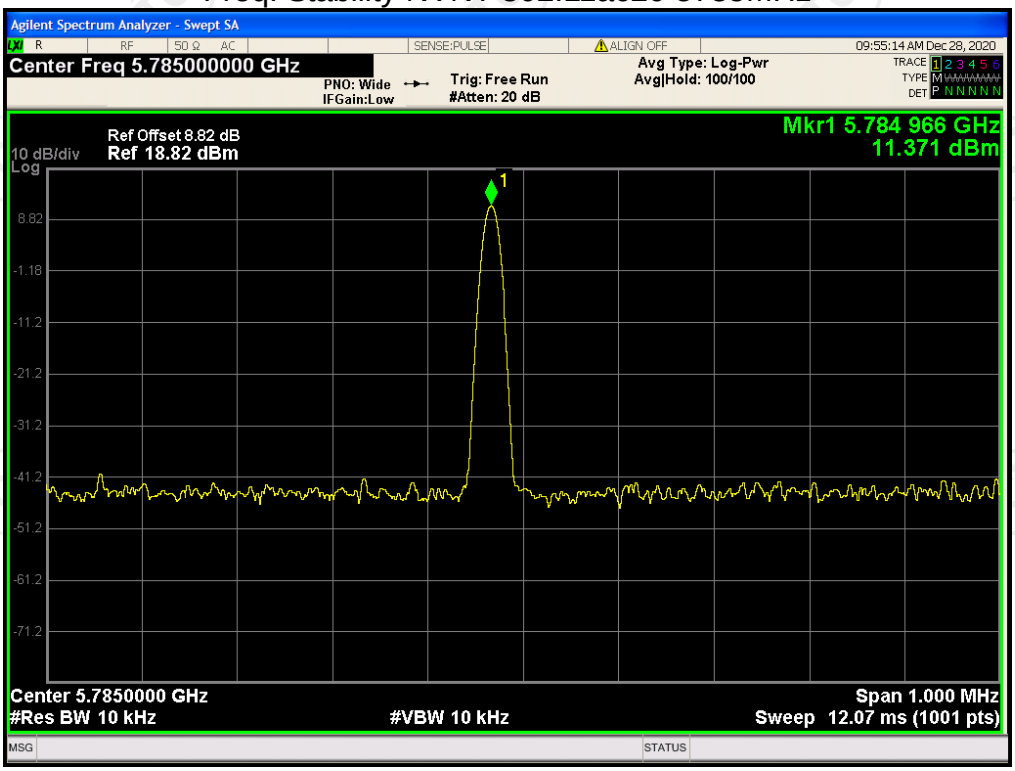
Freq. Stability NVNT 802.11a 5825MHz



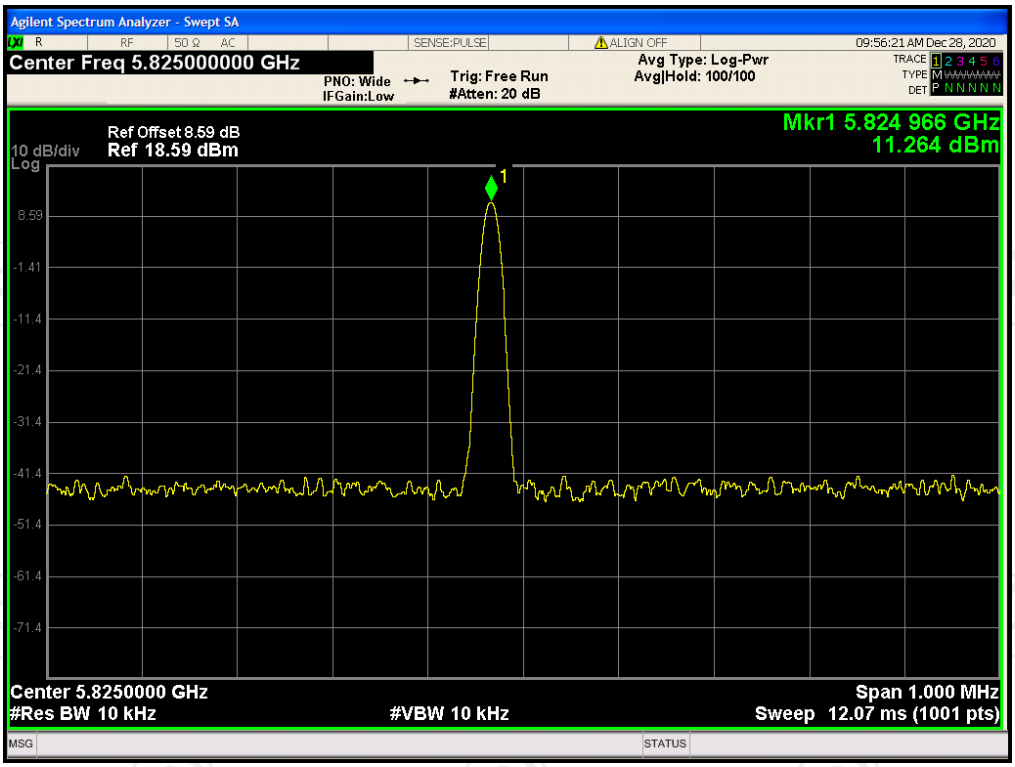
Freq. Stability NVNT 802.11ac20 5745MHz



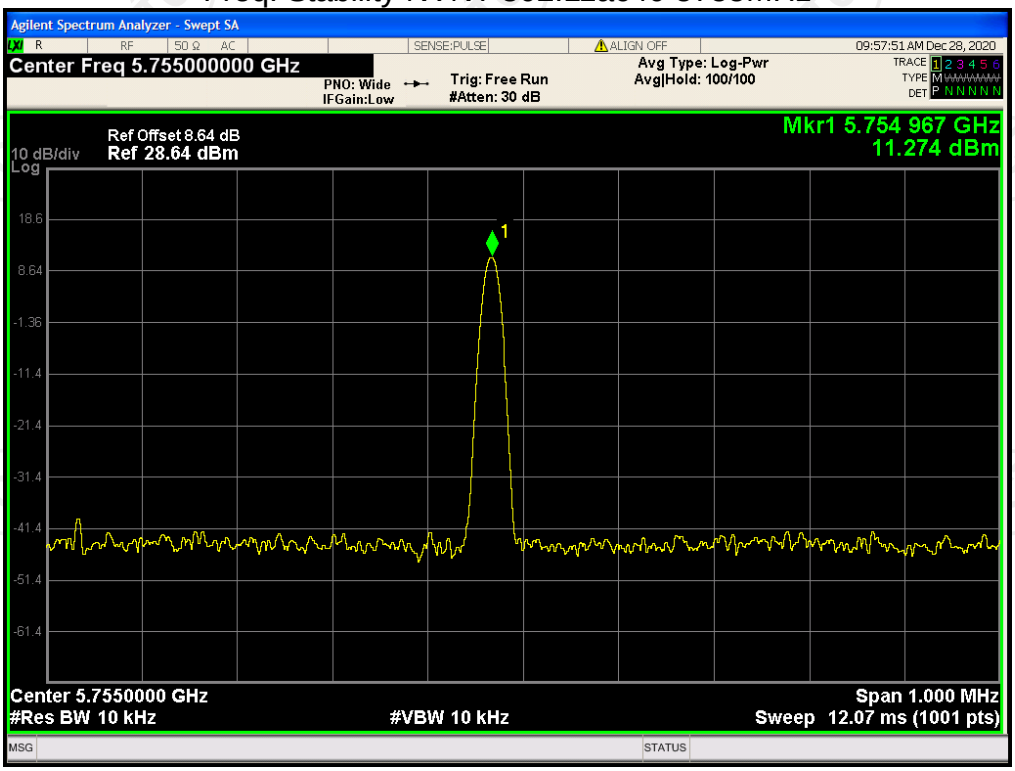
Freq. Stability NVNT 802.11ac20 5785MHz



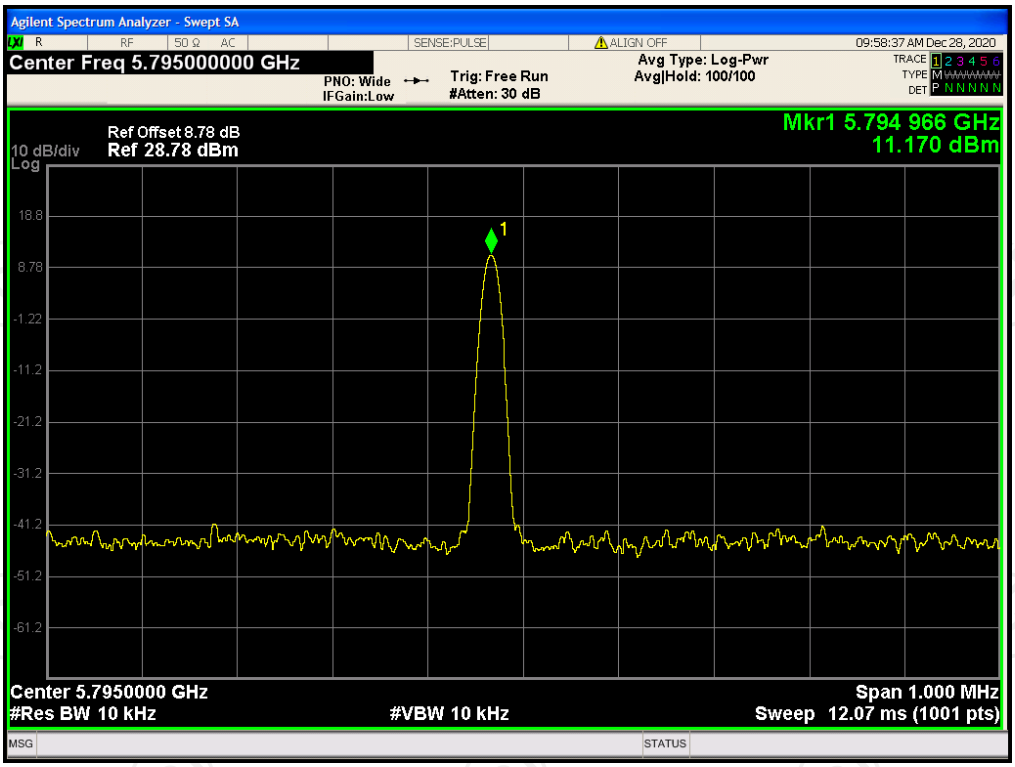
Freq. Stability NVNT 802.11ac20 5825MHz



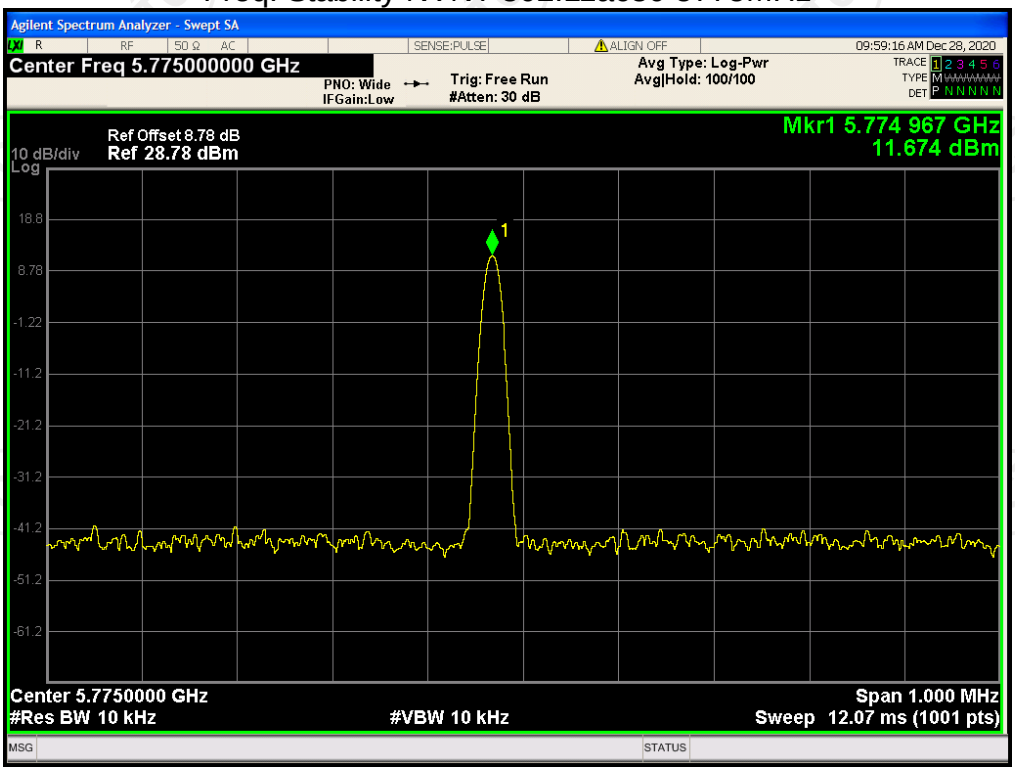
Freq. Stability NVNT 802.11ac40 5755MHz



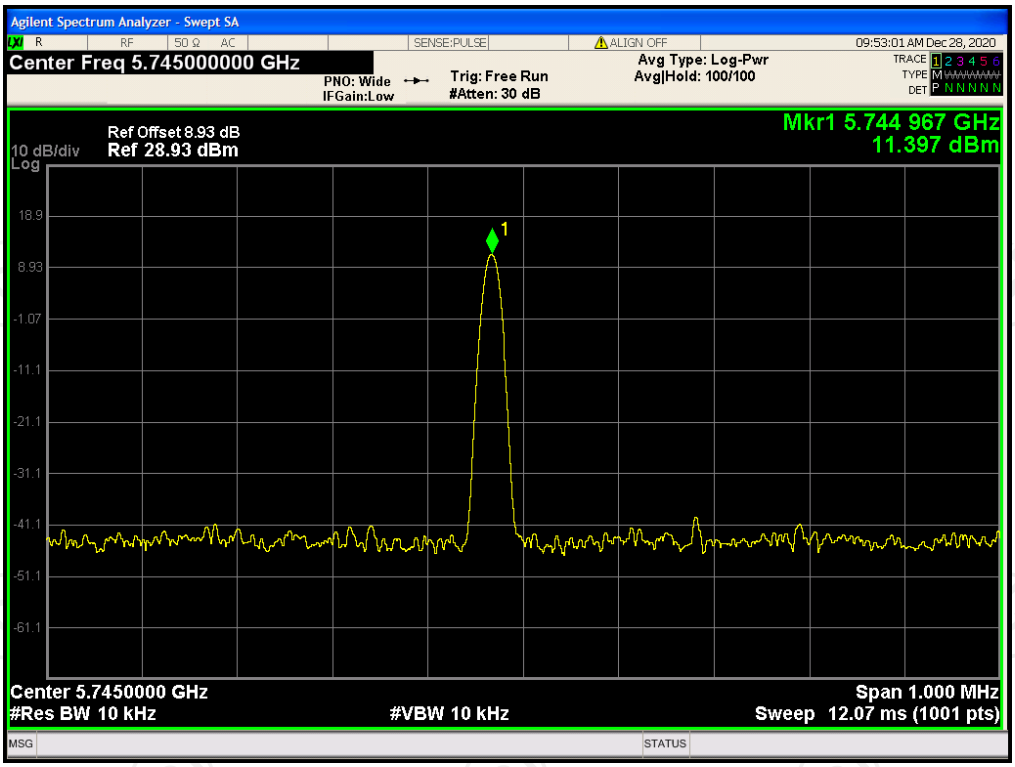
Freq. Stability NVNT 802.11ac40 5795MHz



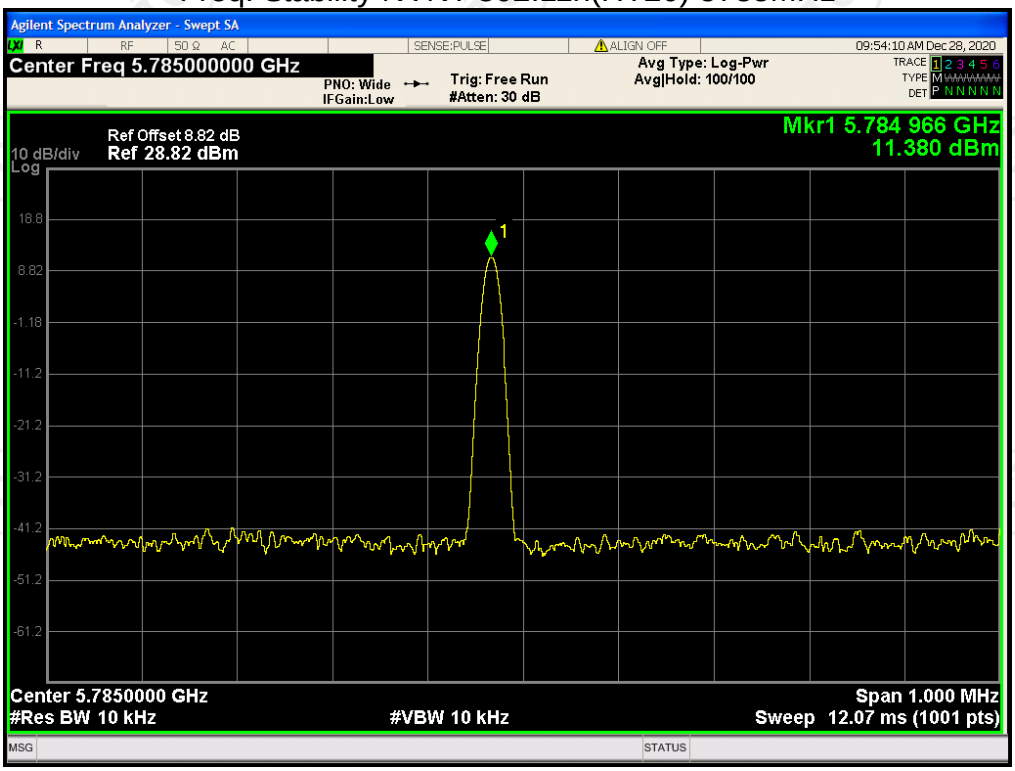
Freq. Stability NVNT 802.11ac80 5775MHz



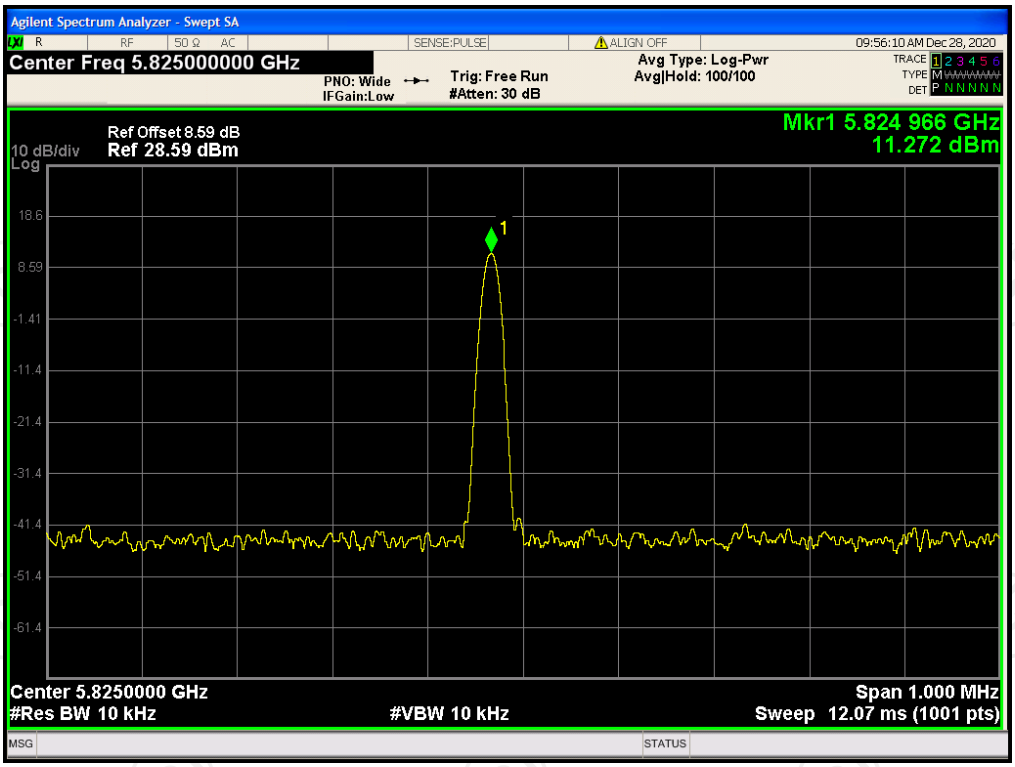
Freq. Stability NVNT 802.11n(HT20) 5745MHz



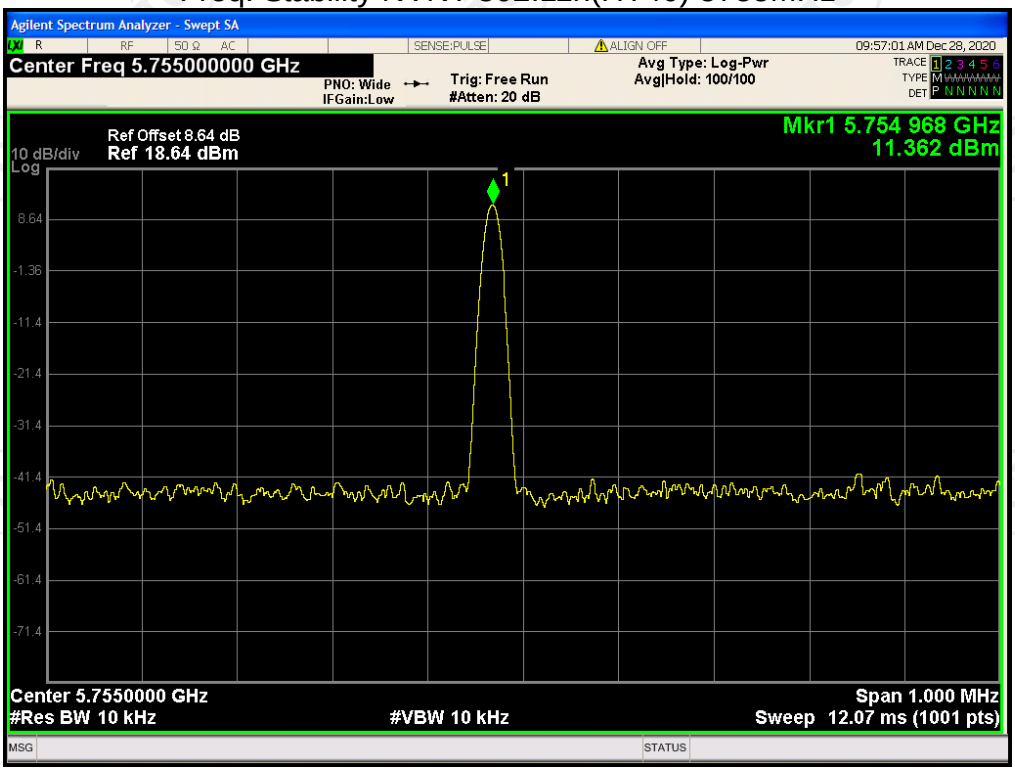
Freq. Stability NVNT 802.11n(HT20) 5785MHz



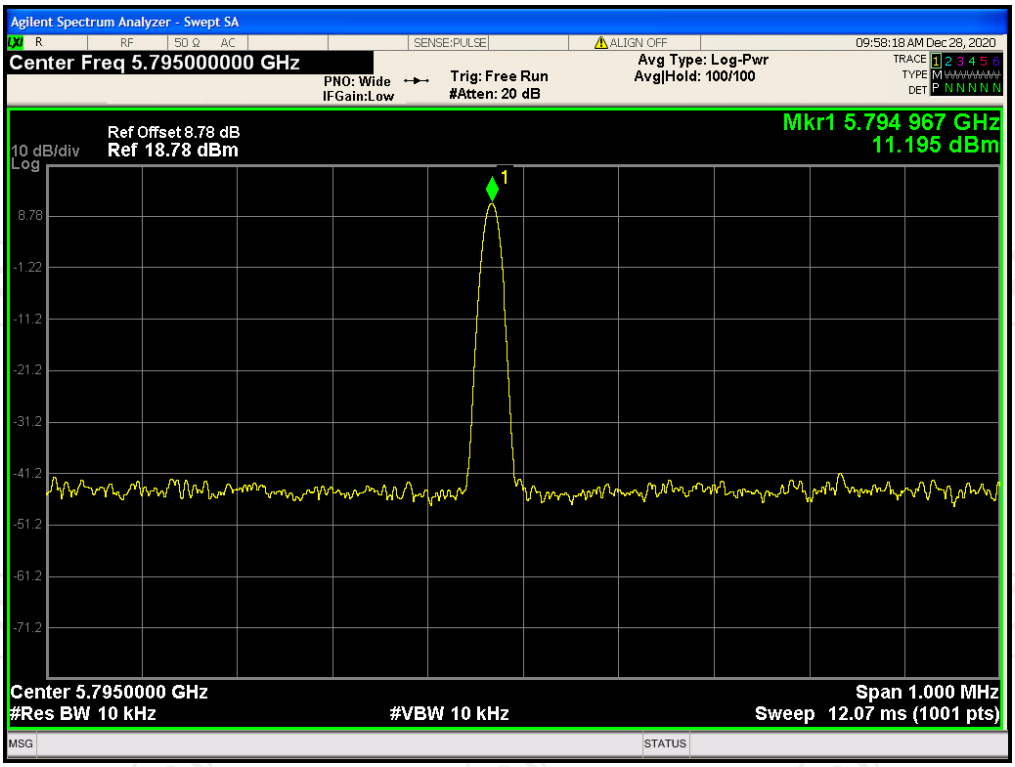
Freq. Stability NVNT 802.11n(HT20) 5825MHz



Freq. Stability NVNT 802.11n(HT40) 5755MHz



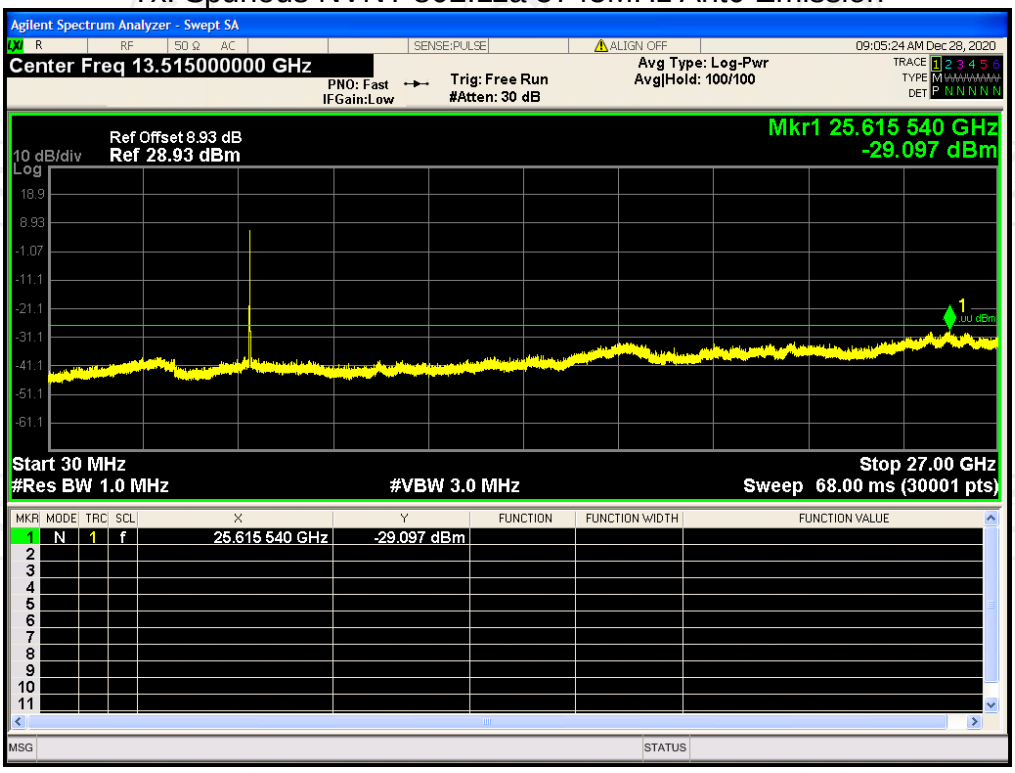
Freq. Stability NVNT 802.11n(HT40) 5795MHz


Agilent Spectrum Analyzer - Swept SA
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
09:58:18 AM Dec 28, 2020
Center Freq 5.795000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 20 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 8.78 dB
10 dB/div
Ref 18.78 dBm
Log
Mkr1 5.794 967 GHz
11.195 dBm
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
-71.2
Center 5.7950000 GHz
#Res BW 10 kHz
#VBW 10 kHz
Span 1.000 MHz
Sweep 12.07 ms (1001 pts)
MSG
STATUS

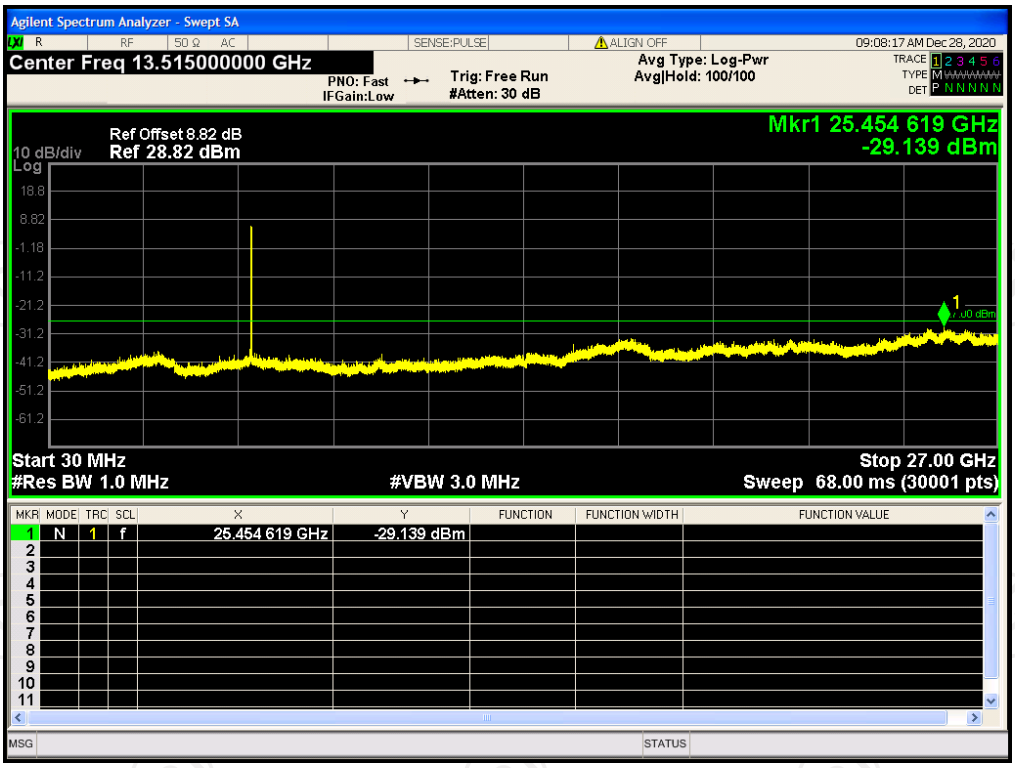
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant0	-29.09	-27	Pass
NVNT	802.11a	5785	Ant0	-29.13	-27	Pass
NVNT	802.11a	5825	Ant0	-29.39	-27	Pass
NVNT	802.11ac20	5745	Ant0	-28.18	-27	Pass
NVNT	802.11ac20	5785	Ant0	-29.42	-27	Pass
NVNT	802.11ac20	5825	Ant0	-29.39	-27	Pass
NVNT	802.11ac40	5755	Ant0	-28.86	-27	Pass
NVNT	802.11ac40	5795	Ant0	-28.75	-27	Pass
NVNT	802.11ac80	5775	Ant0	-29.22	-27	Pass
NVNT	802.11n(HT20)	5745	Ant0	-29.24	-27	Pass
NVNT	802.11n(HT20)	5785	Ant0	-28.76	-27	Pass
NVNT	802.11n(HT20)	5825	Ant0	-28.80	-27	Pass
NVNT	802.11n(HT40)	5755	Ant0	-29.34	-27	Pass
NVNT	802.11n(HT40)	5795	Ant0	-28.56	-27	Pass

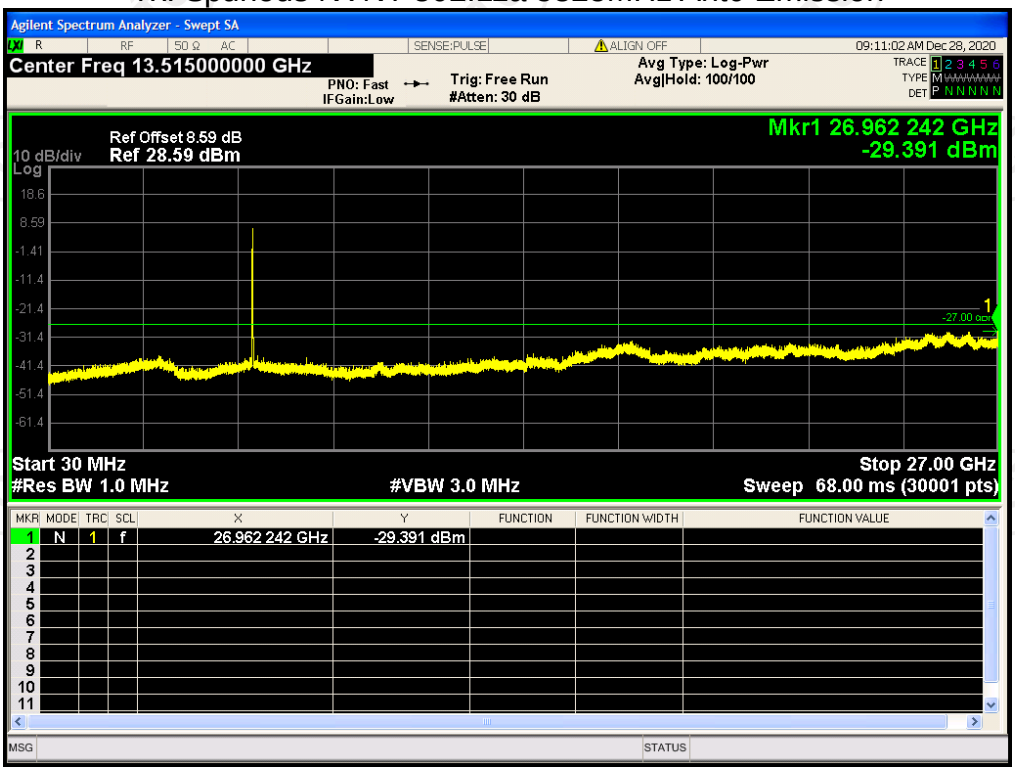
Tx. Spurious NVNT 802.11a 5745MHz Ant0 Emission



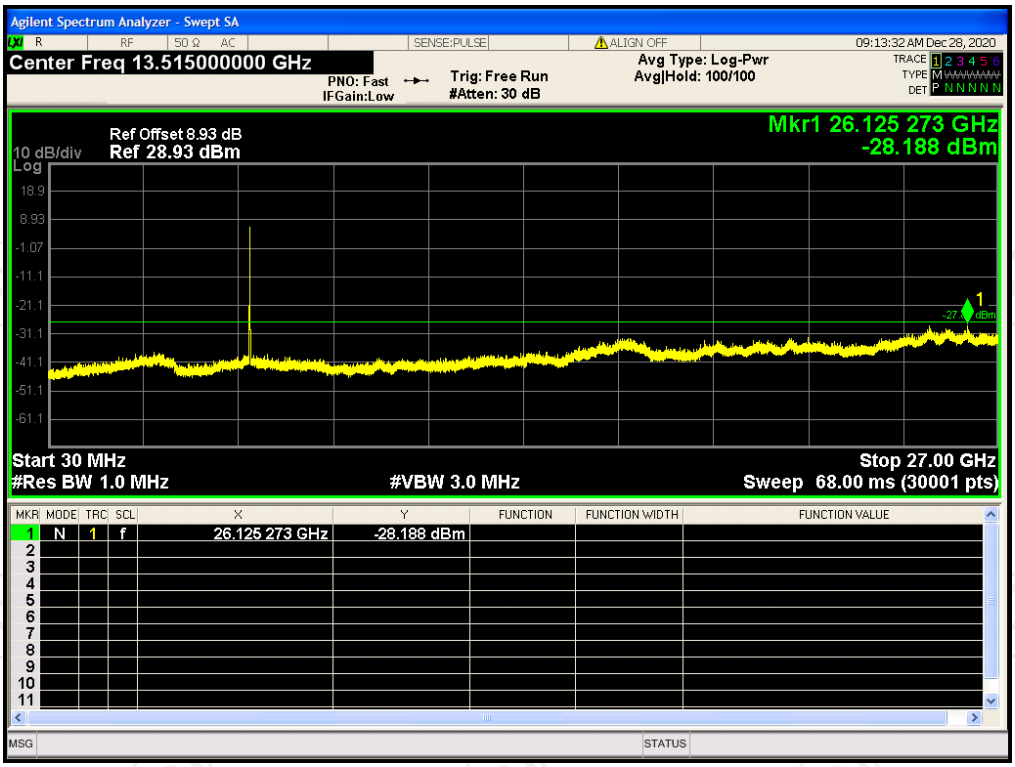
Tx. Spurious NVNT 802.11a 5785MHz Ant0 Emission



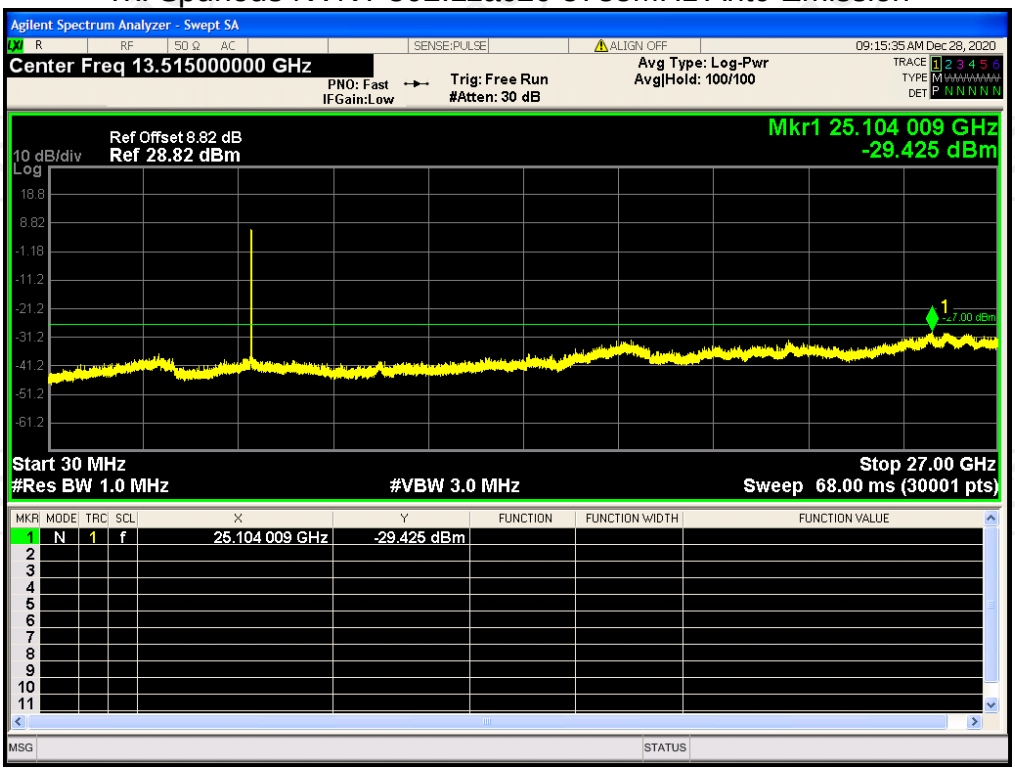
Tx. Spurious NVNT 802.11a 5825MHz Ant0 Emission



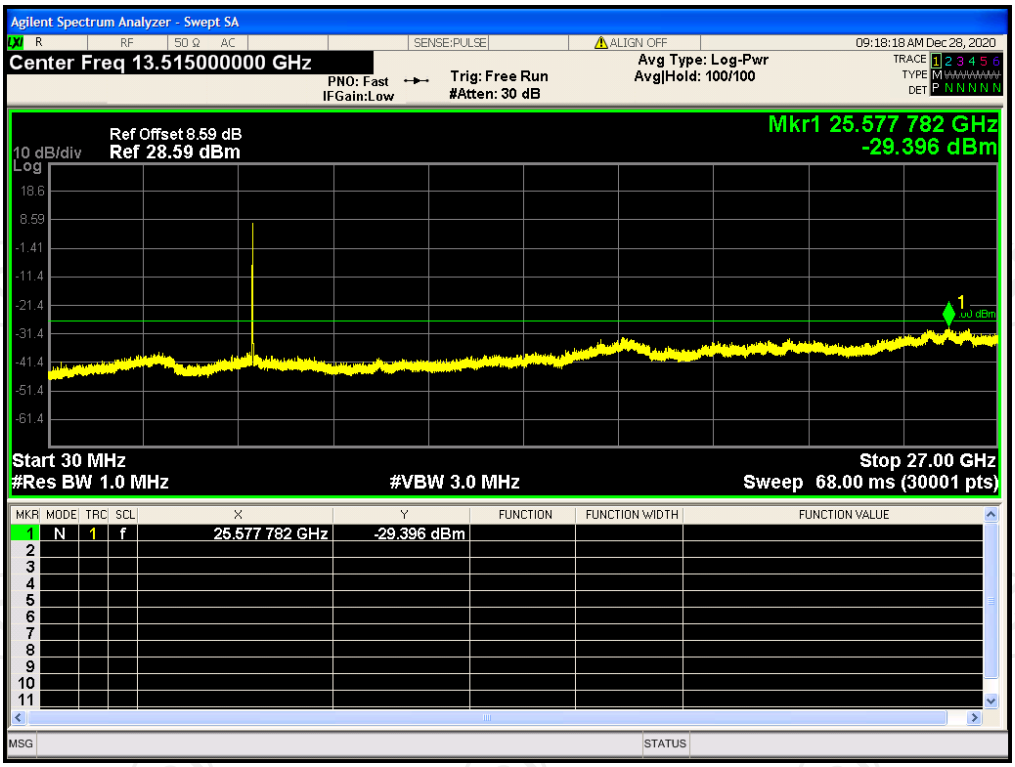
Tx. Spurious NVNT 802.11ac20 5745MHz Ant0 Emission



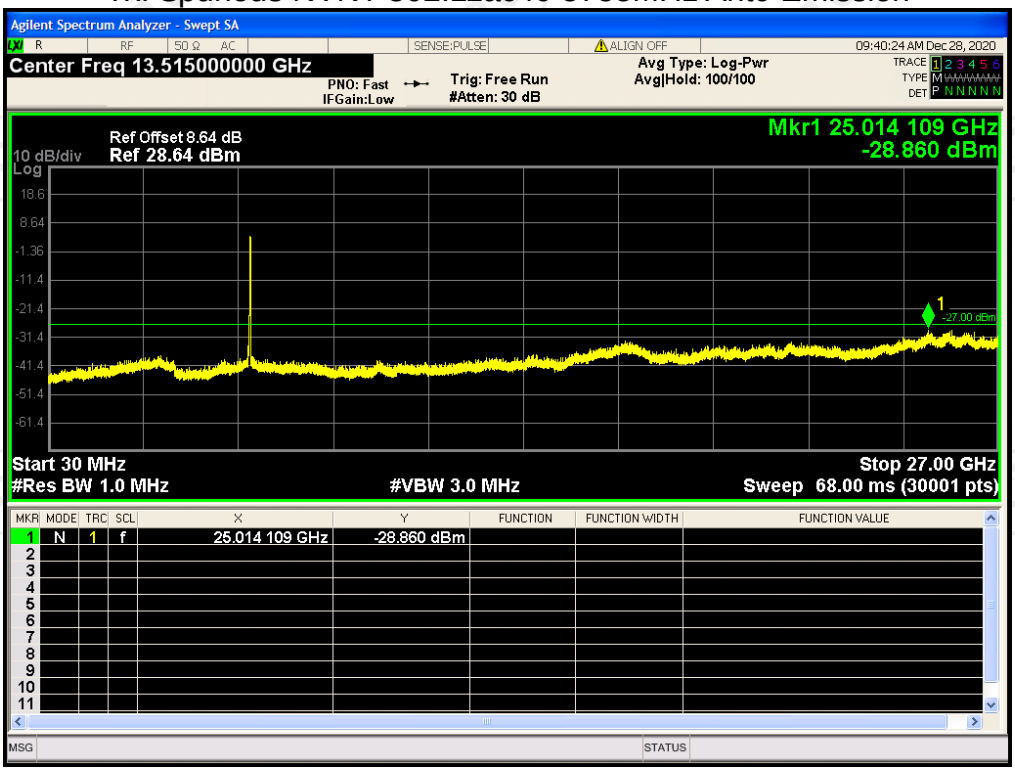
Tx. Spurious NVNT 802.11ac20 5785MHz Ant0 Emission



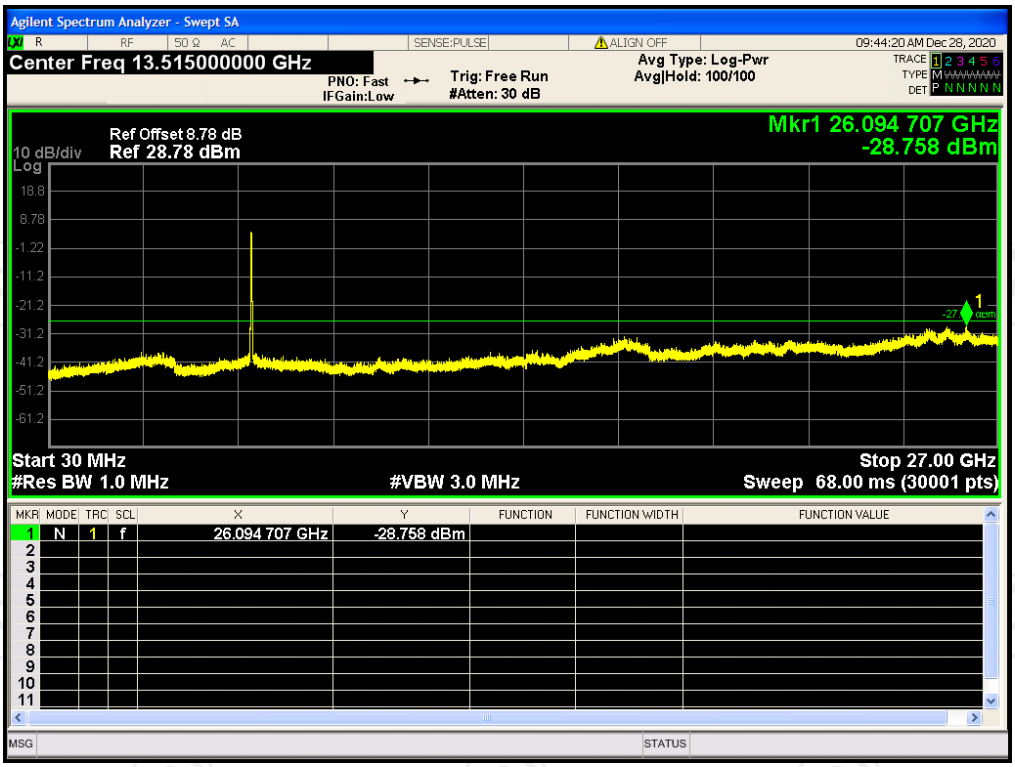
Tx. Spurious NVNT 802.11ac20 5825MHz Ant0 Emission



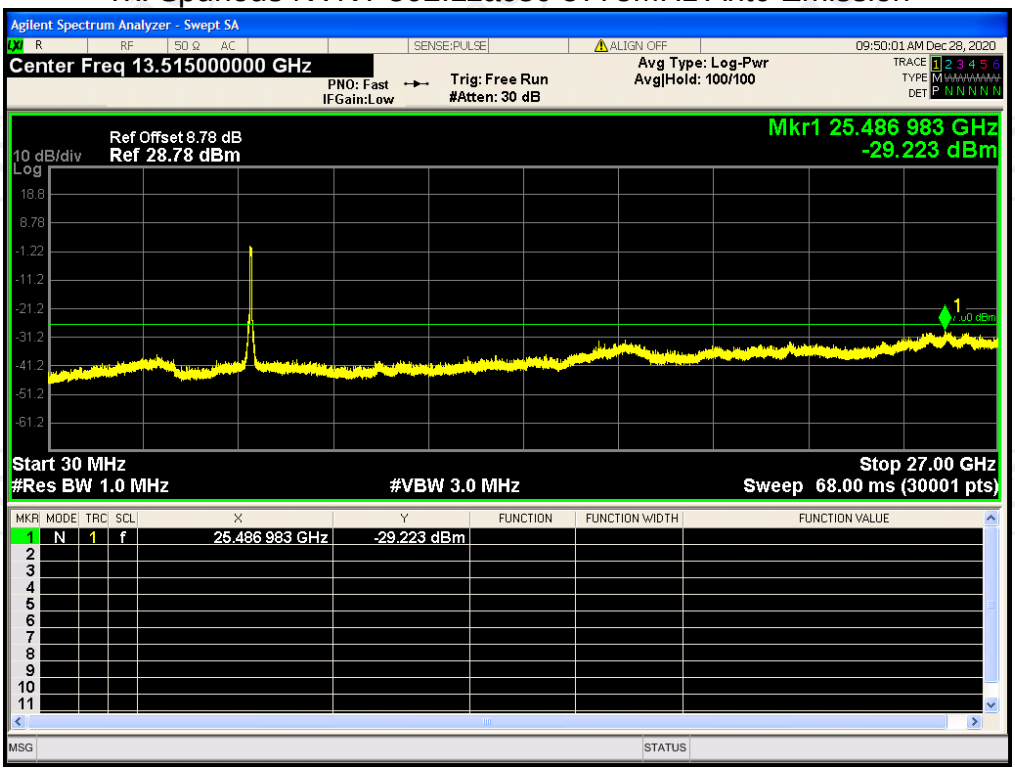
Tx. Spurious NVNT 802.11ac40 5755MHz Ant0 Emission



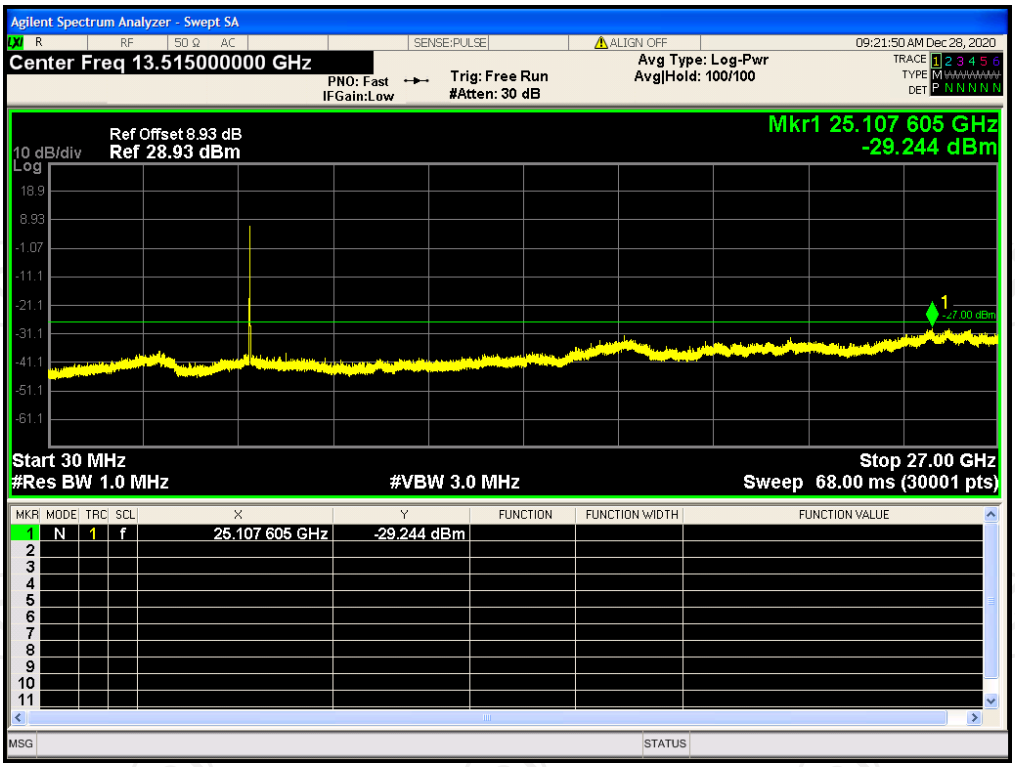
Tx. Spurious NVNT 802.11ac40 5795MHz Ant0 Emission



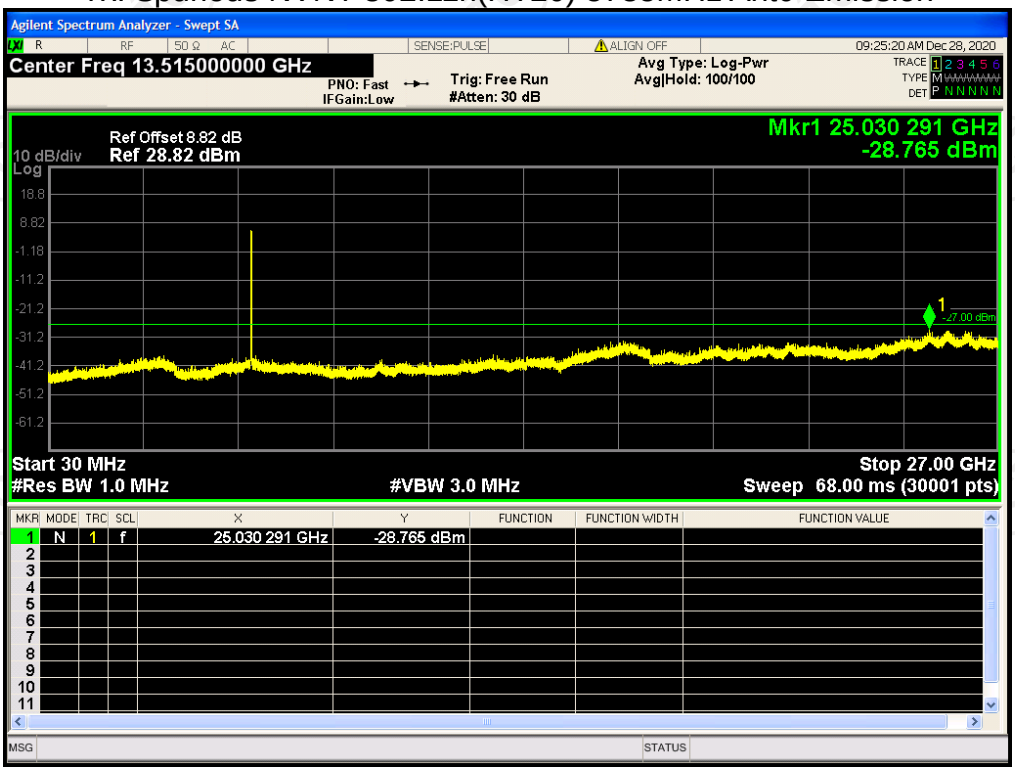
Tx. Spurious NVNT 802.11ac80 5775MHz Ant0 Emission



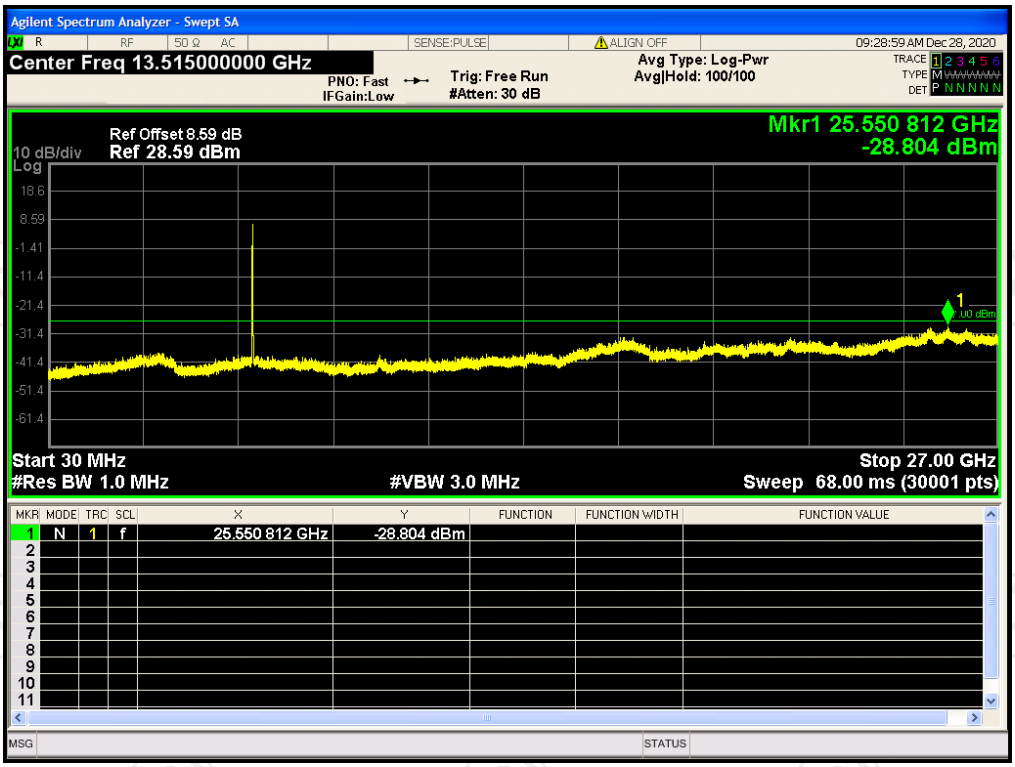
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant0 Emission



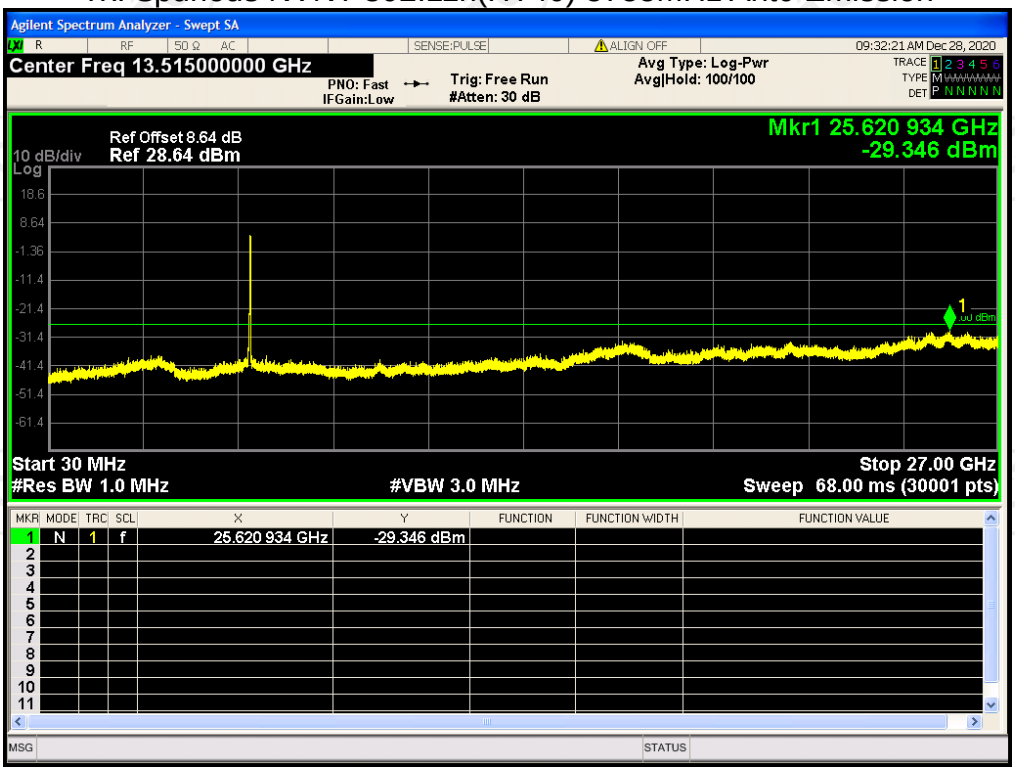
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant0 Emission



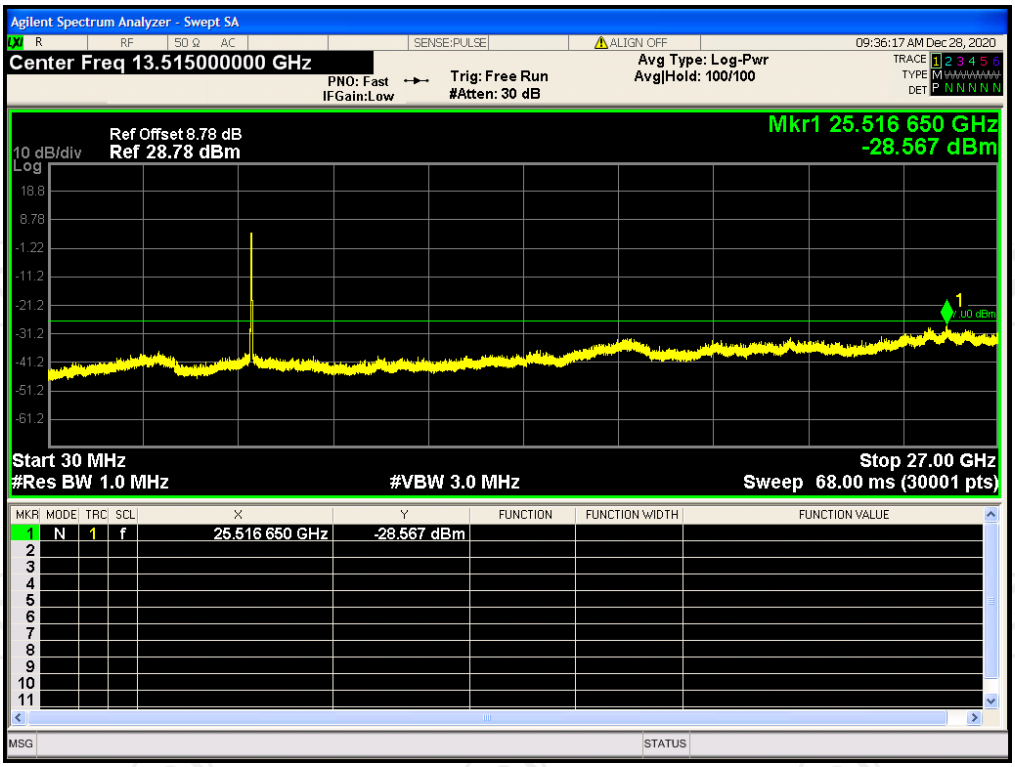
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant0 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant0 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant0 Emission

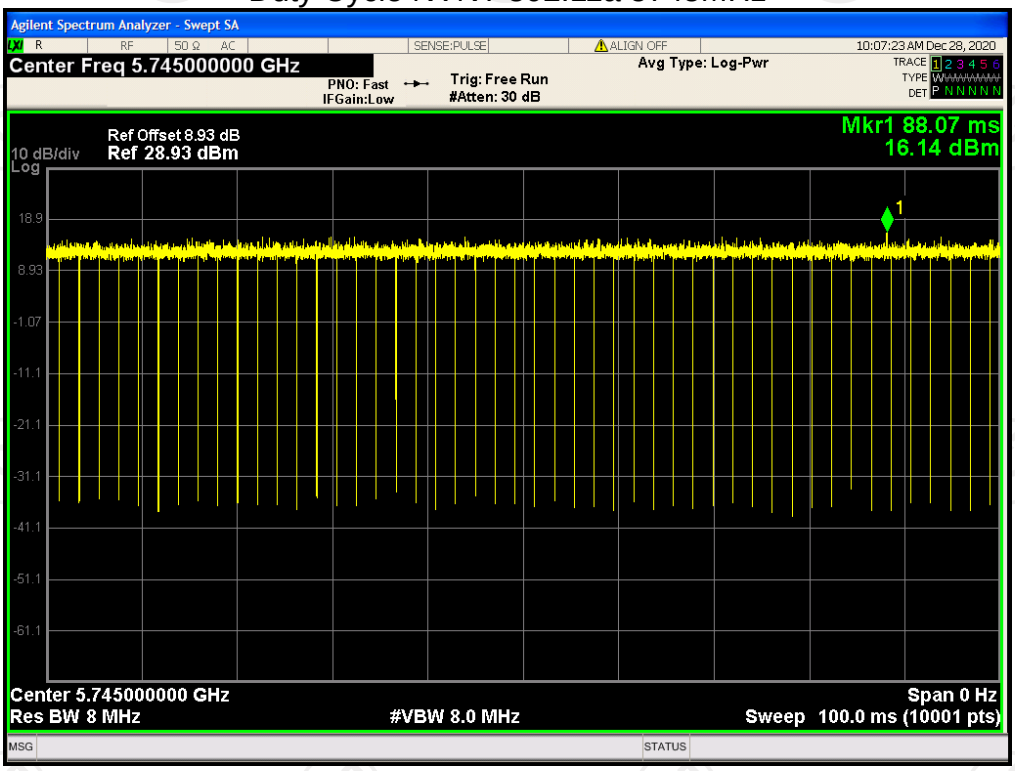

Agilent Spectrum Analyzer - Swept SA
Center Freq 13.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
09:36:17 AM Dec 28, 2020
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Log
Mkr1 25.516 650 GHz
-28.567 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 68.00 ms (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 25.516 650 GHz -28.567 dBm

ANT1

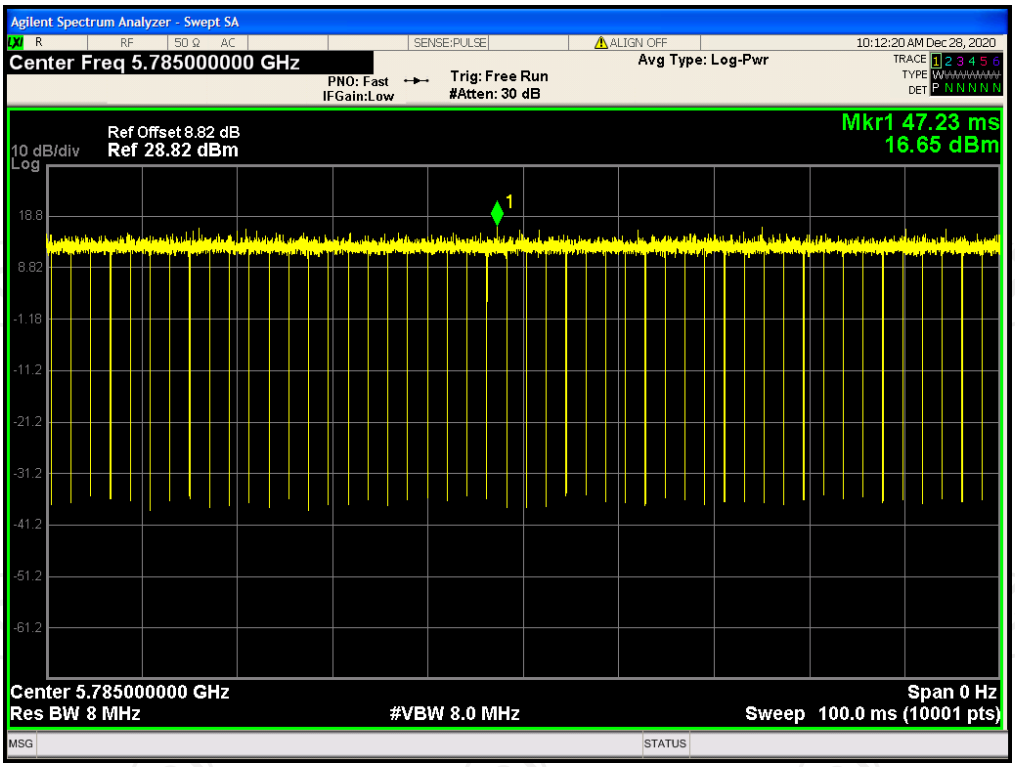
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11a	5745	100	0
NVNT	802.11a	5785	100	0
NVNT	802.11a	5825	100	0
NVNT	802.11ac20	5745	100	0
NVNT	802.11ac20	5785	100	0
NVNT	802.11ac20	5825	100	0
NVNT	802.11ac40	5755	100	0
NVNT	802.11ac40	5795	100	0
NVNT	802.11ac80	5775	100	0
NVNT	802.11n(HT20)	5745	100	0
NVNT	802.11n(HT20)	5785	100	0
NVNT	802.11n(HT20)	5825	100	0
NVNT	802.11n(HT40)	5755	100	0
NVNT	802.11n(HT40)	5795	100	0

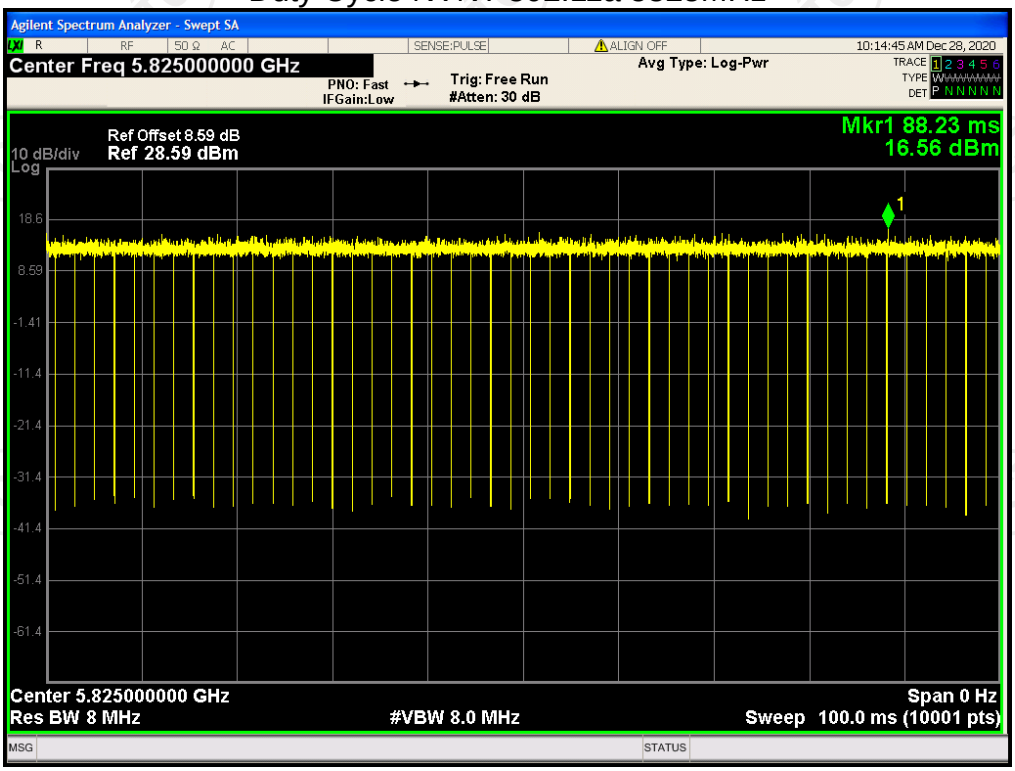
Duty Cycle NVNT 802.11a 5745MHz



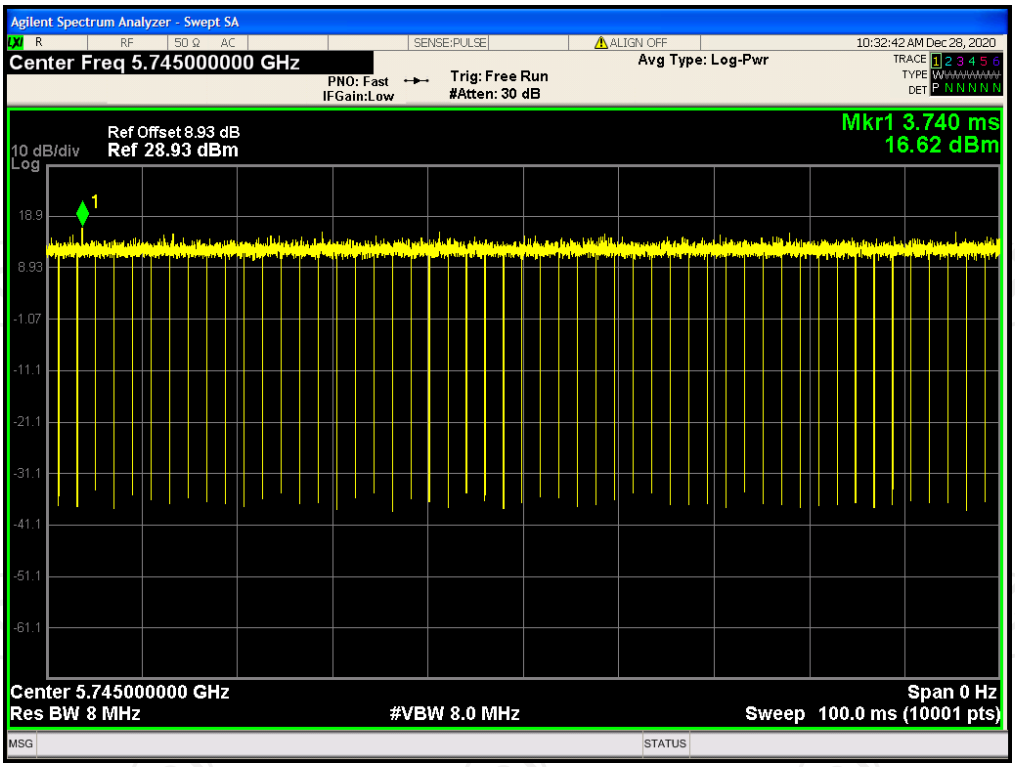
Duty Cycle NVNT 802.11a 5785MHz



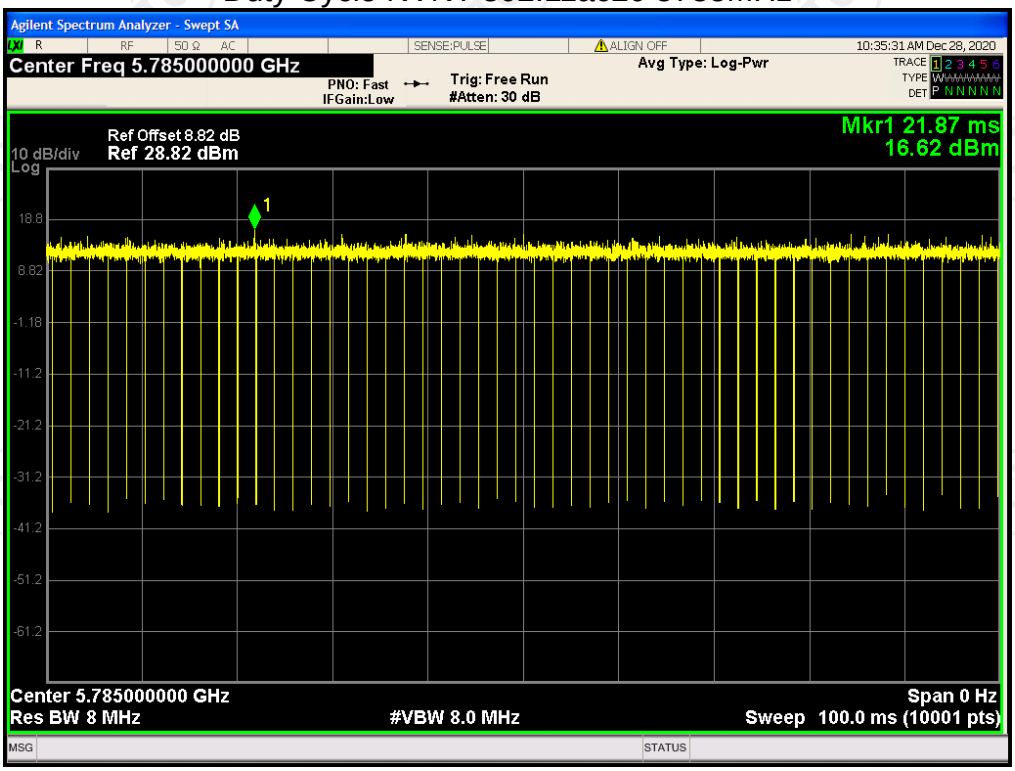
Duty Cycle NVNT 802.11a 5825MHz



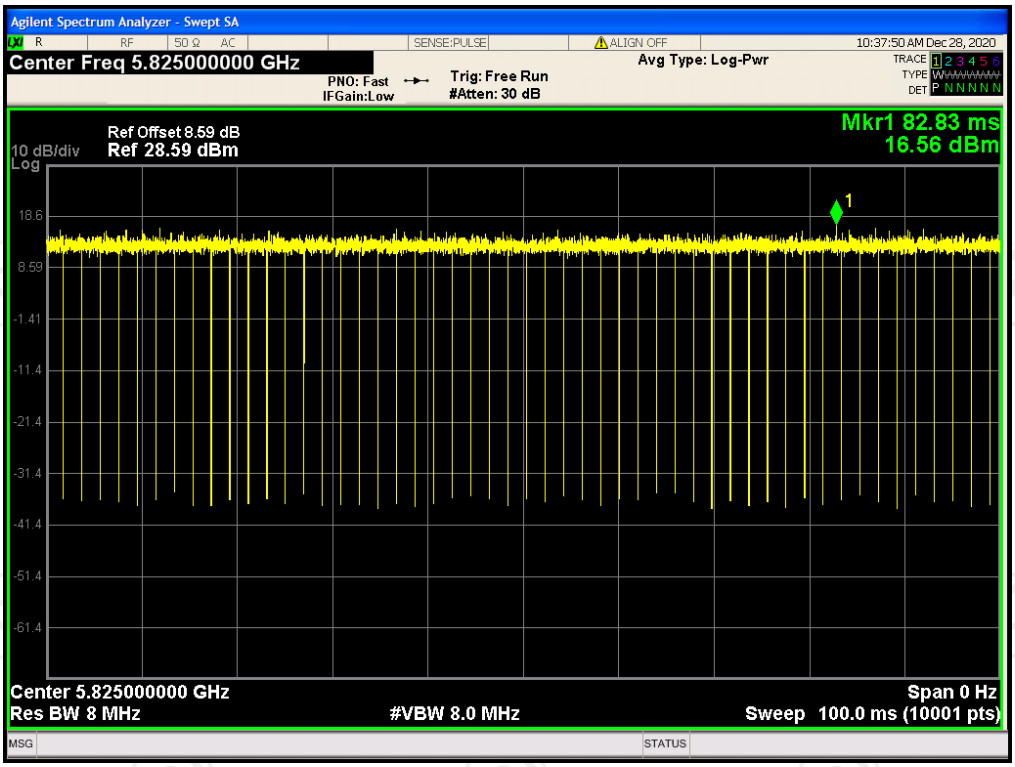
Duty Cycle NVNT 802.11ac20 5745MHz



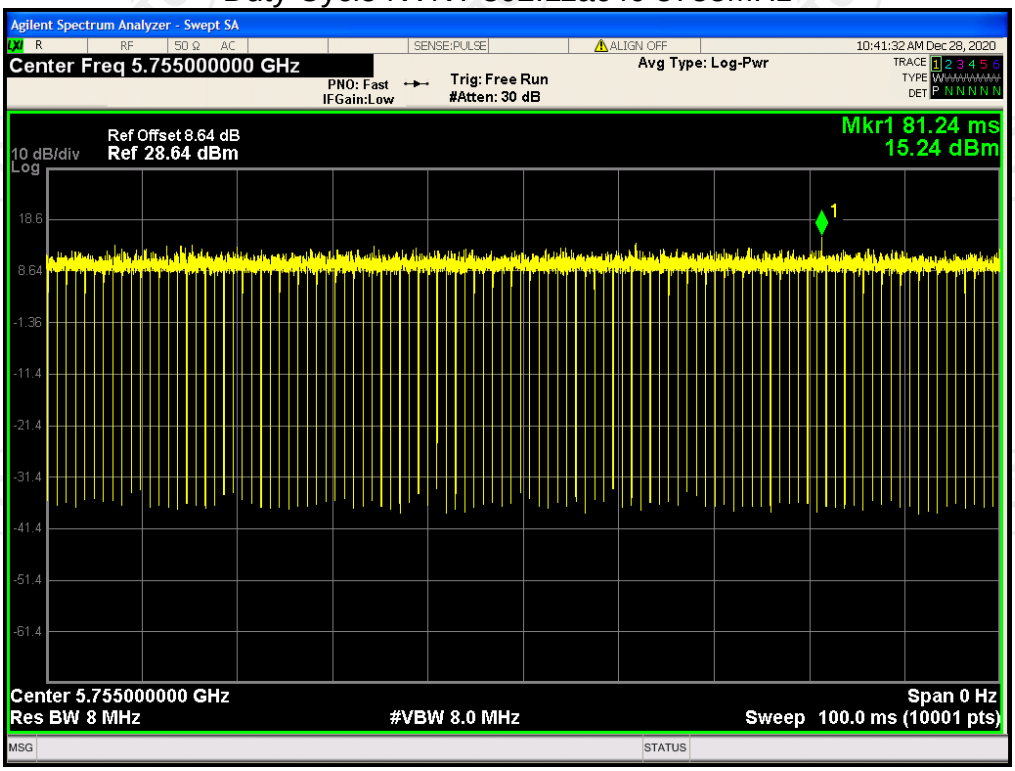
Duty Cycle NVNT 802.11ac20 5785MHz



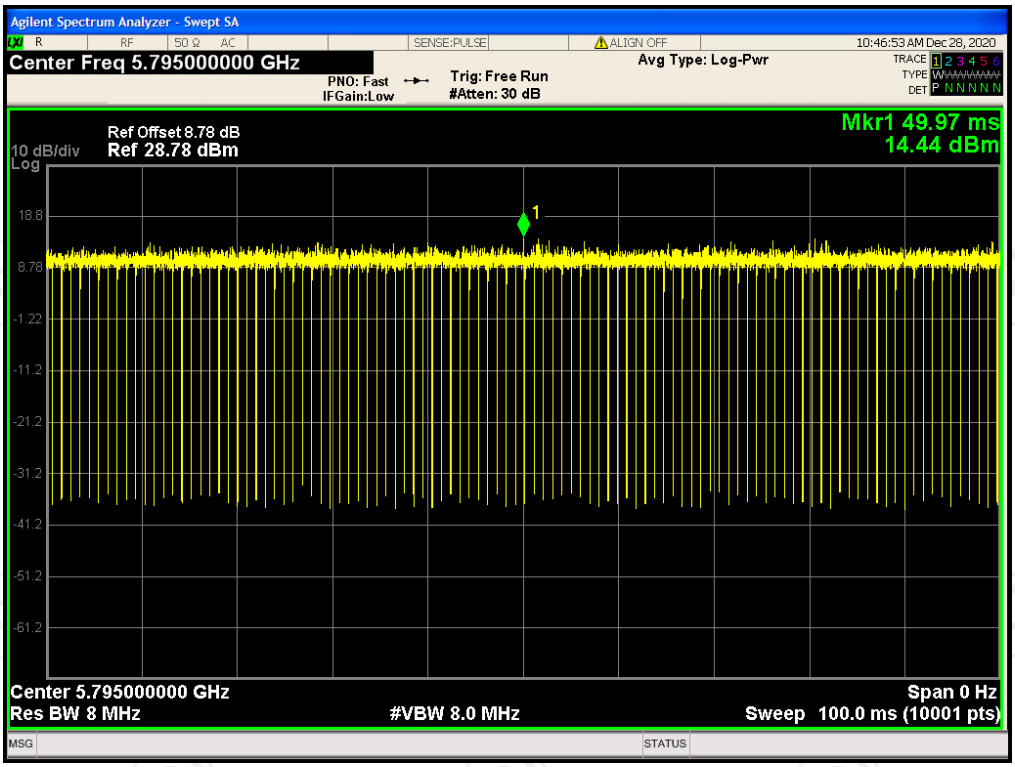
Duty Cycle NVNT 802.11ac20 5825MHz



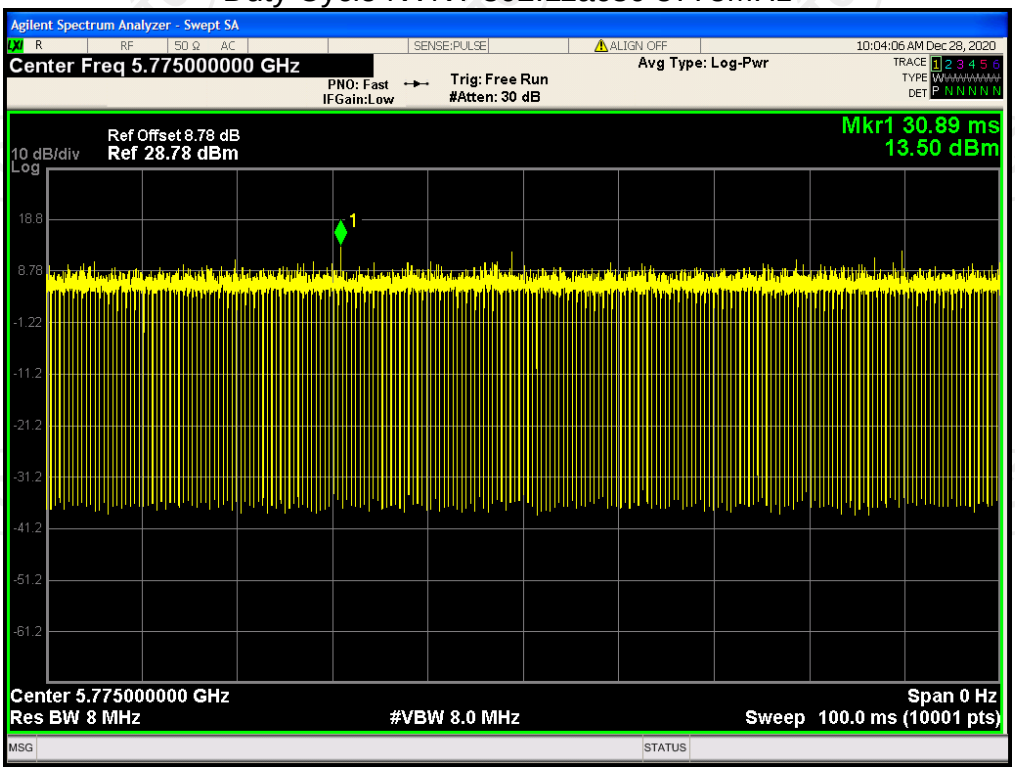
Duty Cycle NVNT 802.11ac40 5755MHz



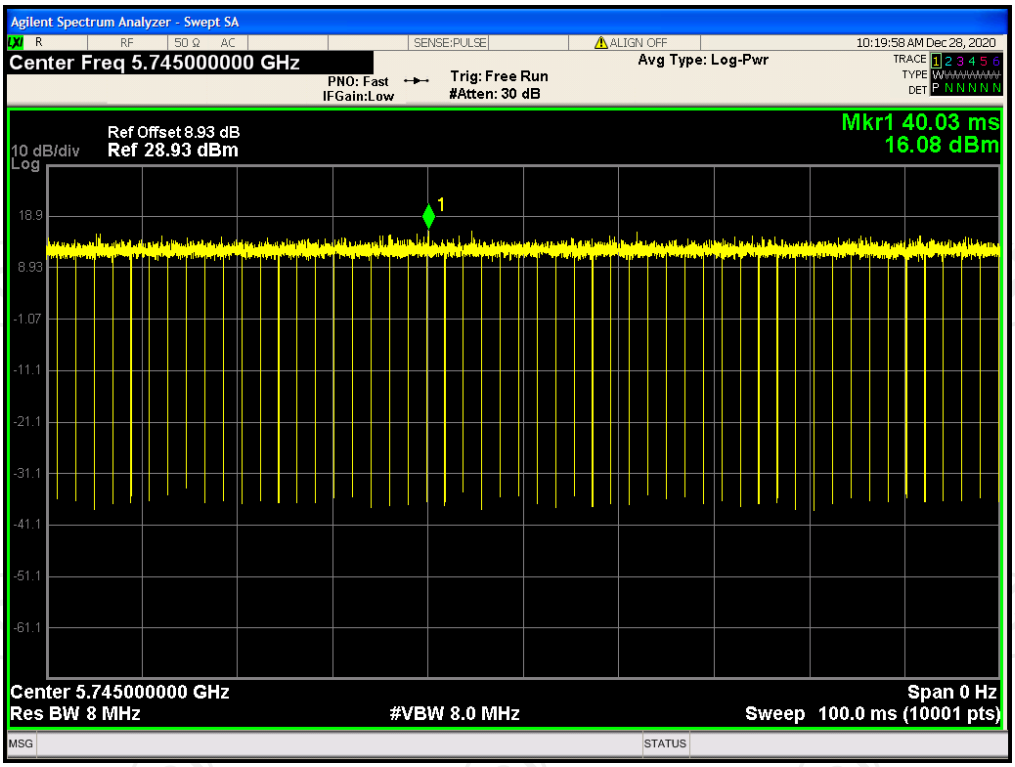
Duty Cycle NVNT 802.11ac40 5795MHz



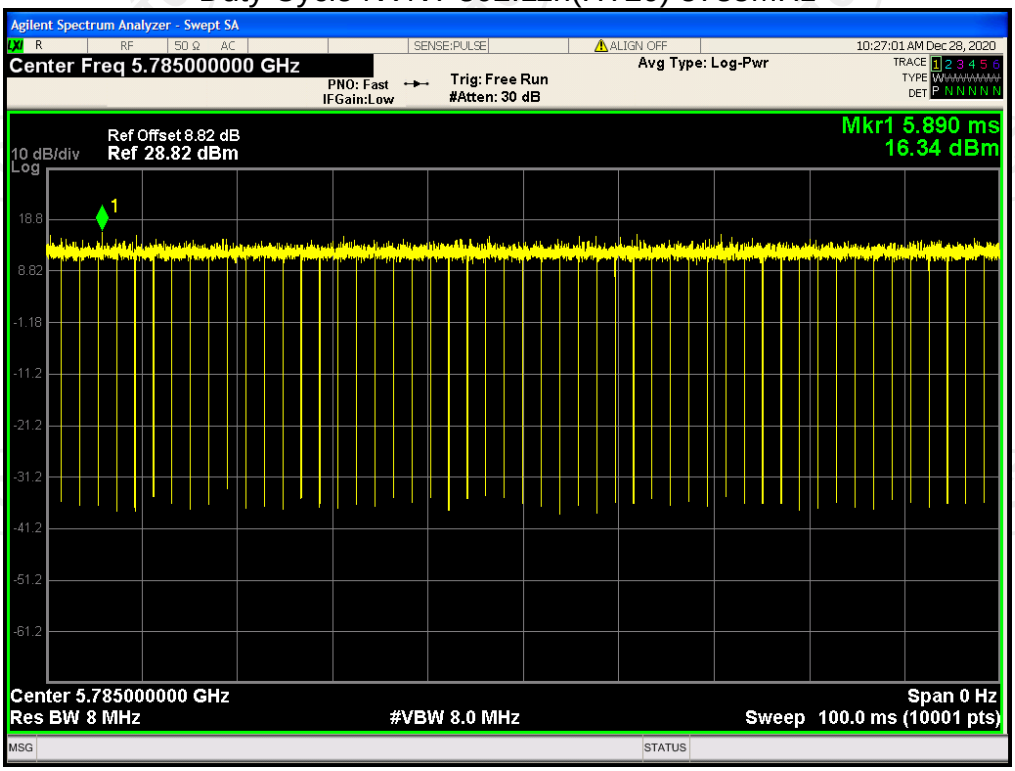
Duty Cycle NVNT 802.11ac80 5775MHz



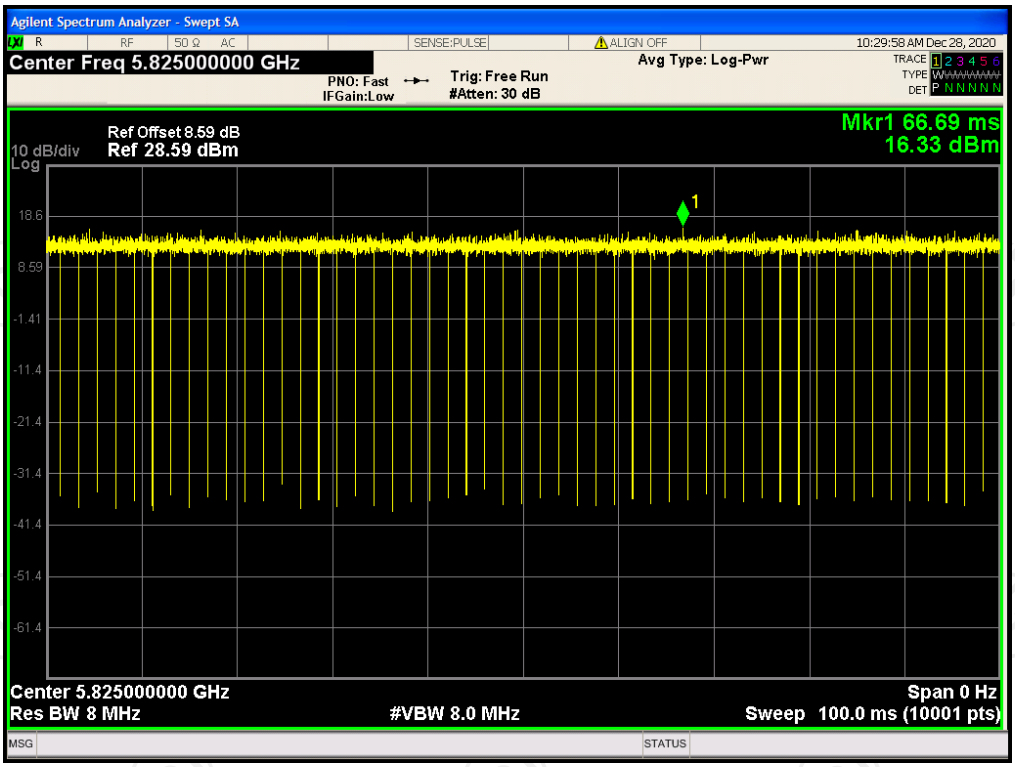
Duty Cycle NVNT 802.11n(HT20) 5745MHz



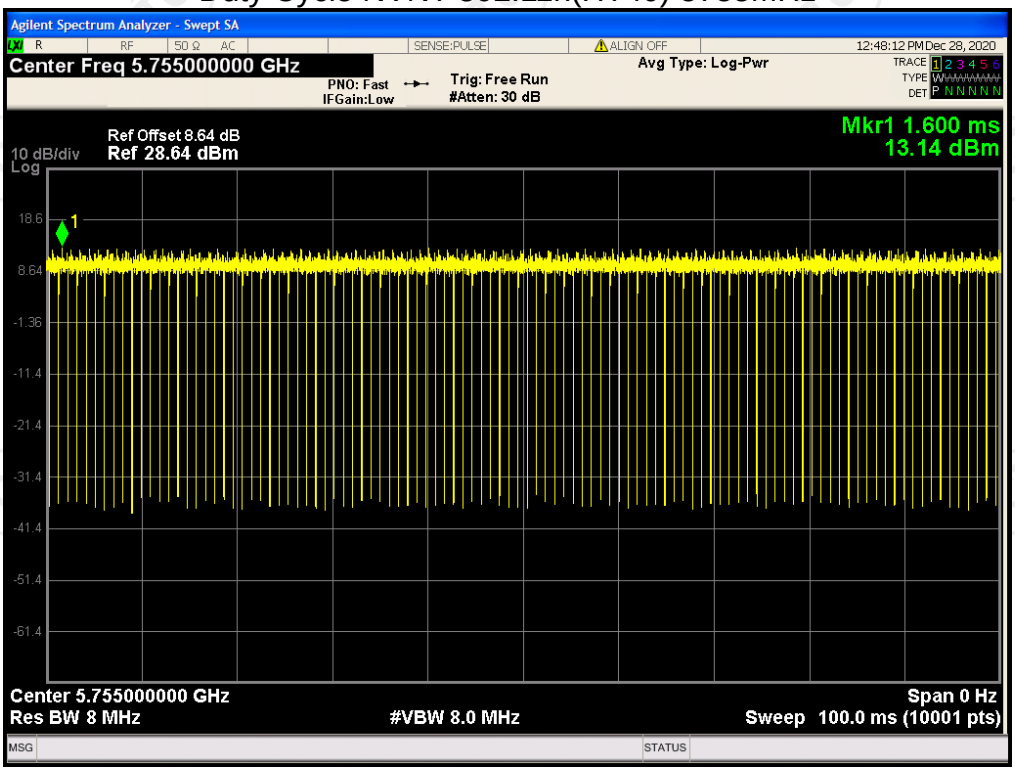
Duty Cycle NVNT 802.11n(HT20) 5785MHz



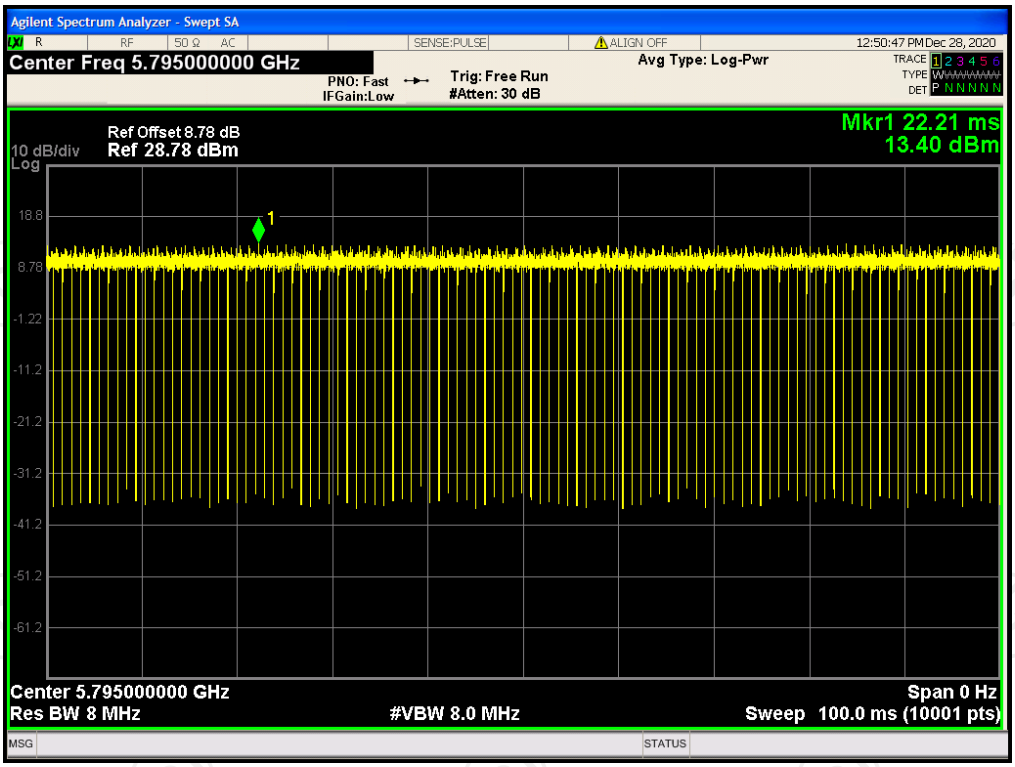
Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz



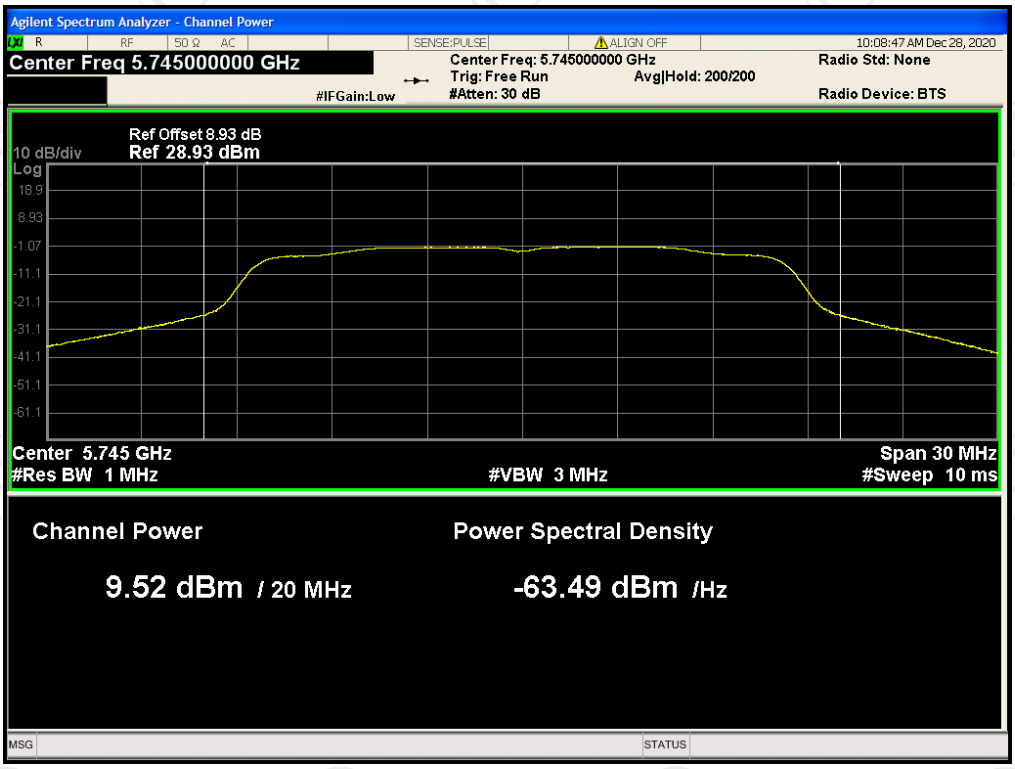
Duty Cycle NVNT 802.11n(HT40) 5795MHz


Agilent Spectrum Analyzer - Swept SA
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
12:50:47 PM Dec 28, 2020
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
TRACE 1 2 3 4 5 6
TYPE W
DET P N N N N N
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Log
Mkr1 22.21 ms
13.40 dBm
18.8
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
Center 5.795000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 100.0 ms (10001 pts)
MSG
STATUS

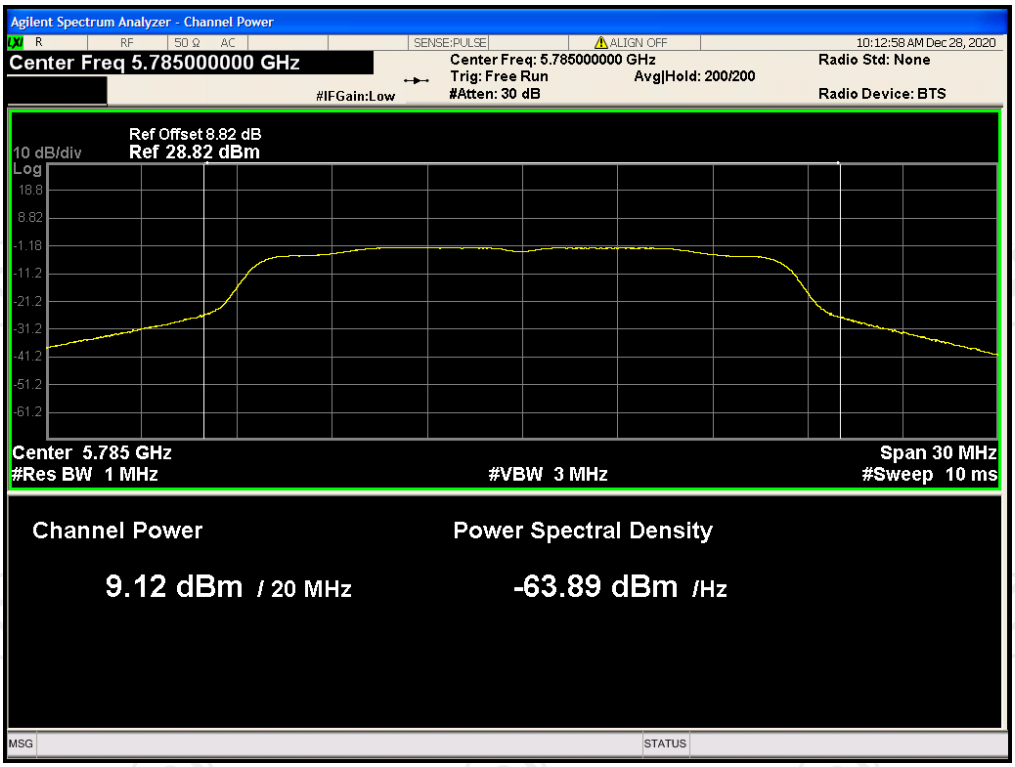
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	9.517	0	9.517	30	Pass
NVNT	802.11a	5785	Ant 1	9.115	0	9.115	30	Pass
NVNT	802.11a	5825	Ant 1	9.672	0	9.672	30	Pass
NVNT	802.11ac20	5745	Ant 1	9.159	0	9.159	30	Pass
NVNT	802.11ac20	5785	Ant 1	8.618	0	8.618	30	Pass
NVNT	802.11ac20	5825	Ant 1	9.214	0	9.214	30	Pass
NVNT	802.11ac40	5755	Ant 1	9.596	0	9.596	30	Pass
NVNT	802.11ac40	5795	Ant 1	10.229	0	10.229	30	Pass
NVNT	802.11ac80	5775	Ant 1	8.442	0	8.442	30	Pass
NVNT	802.11n(HT20)	5745	Ant 1	9.115	0	9.115	30	Pass
NVNT	802.11n(HT20)	5785	Ant 1	9.315	0	9.315	30	Pass
NVNT	802.11n(HT20)	5825	Ant 1	9.631	0	9.631	30	Pass
NVNT	802.11n(HT40)	5755	Ant 1	9.764	0	9.764	30	Pass
NVNT	802.11n(HT40)	5795	Ant 1	10.042	0	10.042	30	Pass

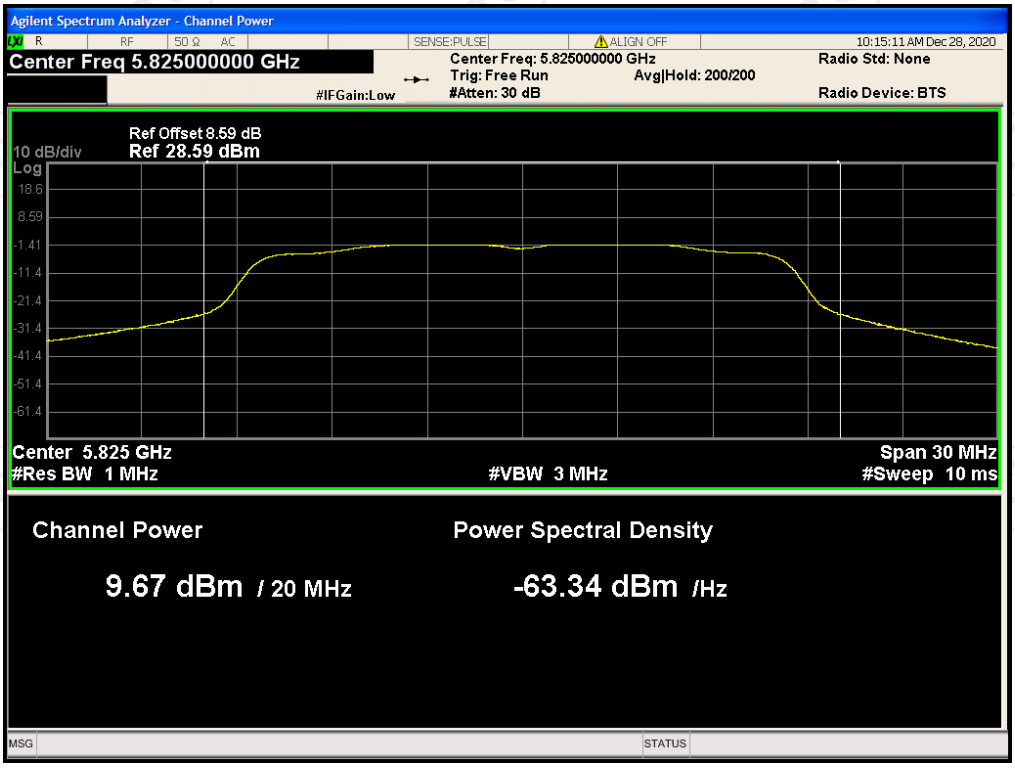
Power NVNT 802.11a 5745MHz Ant1



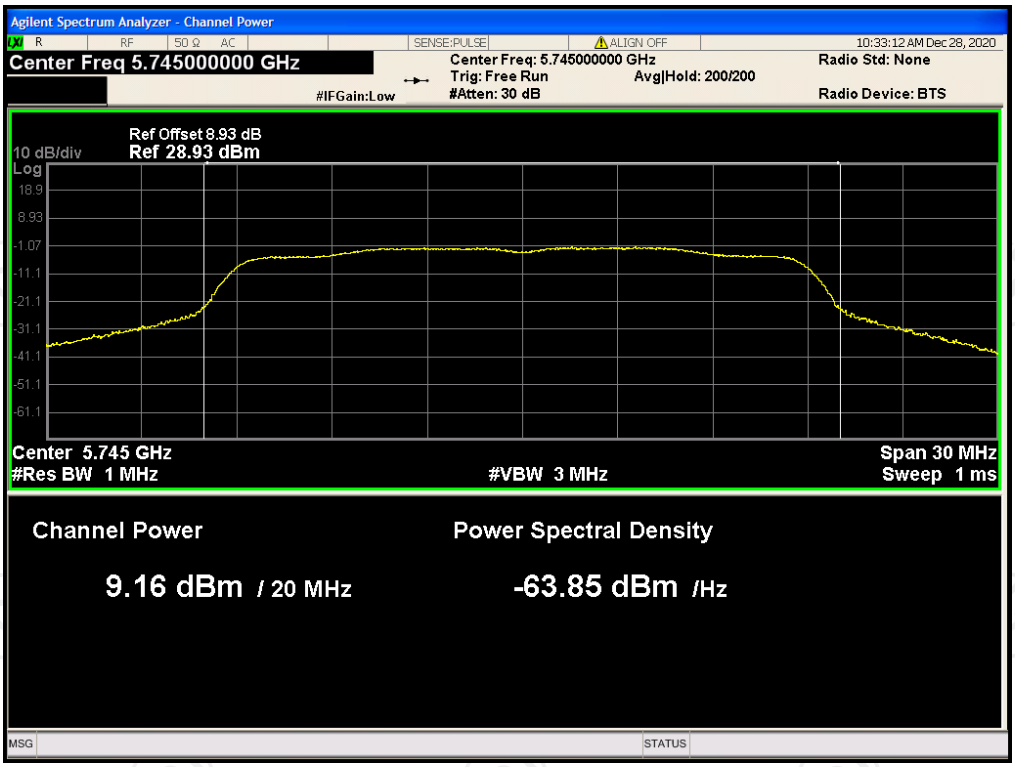
Power NVNT 802.11a 5785MHz Ant1



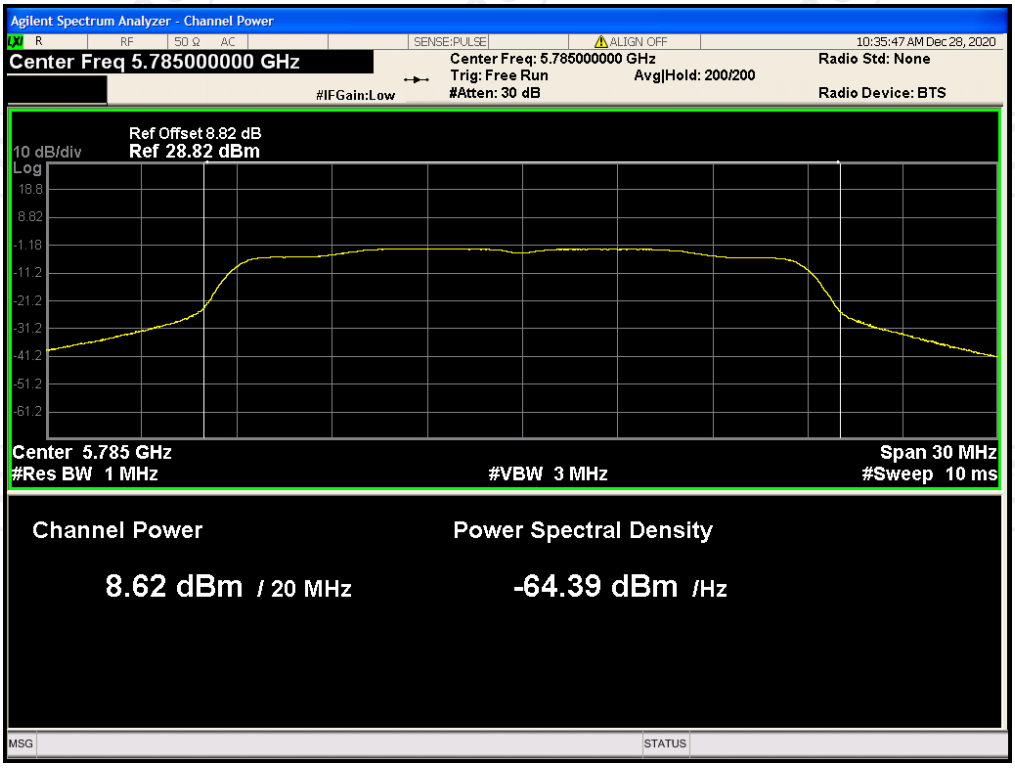
Power NVNT 802.11a 5825MHz Ant1



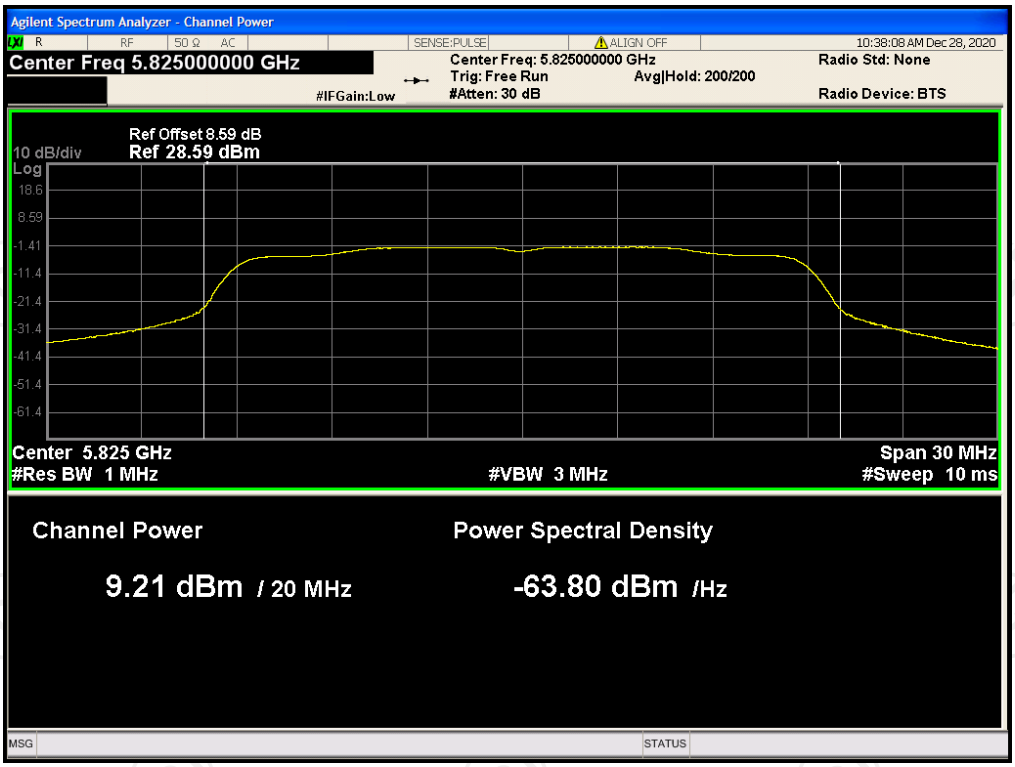
Power NVNT 802.11ac20 5745MHz Ant1



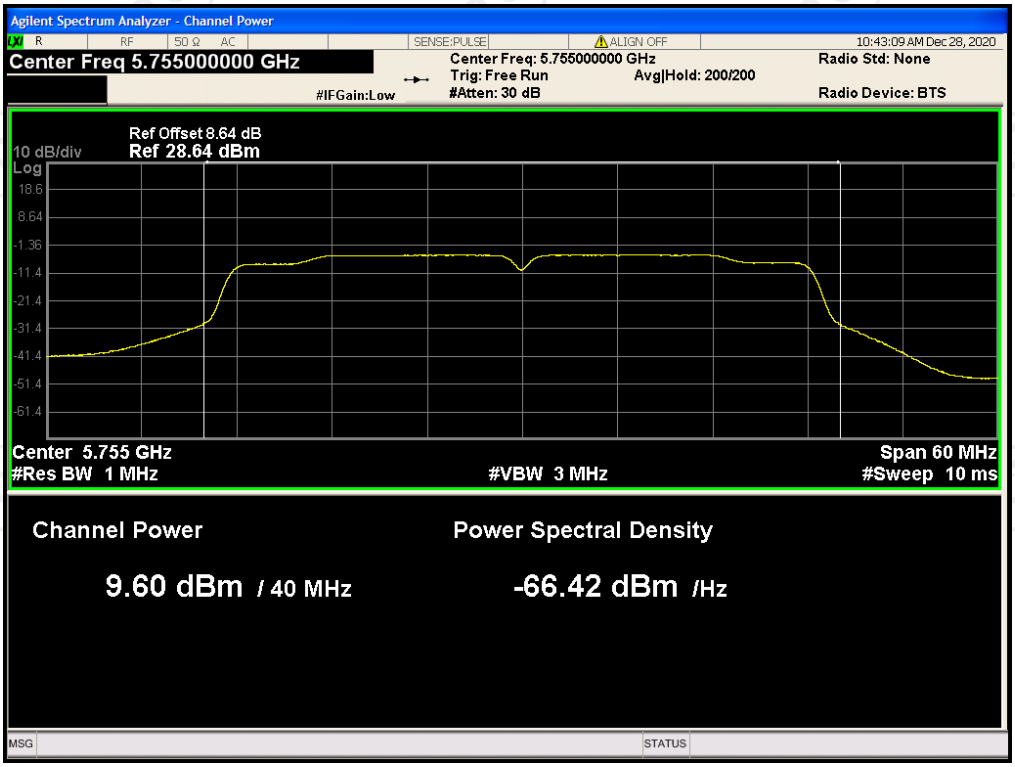
Power NVNT 802.11ac20 5785MHz Ant1



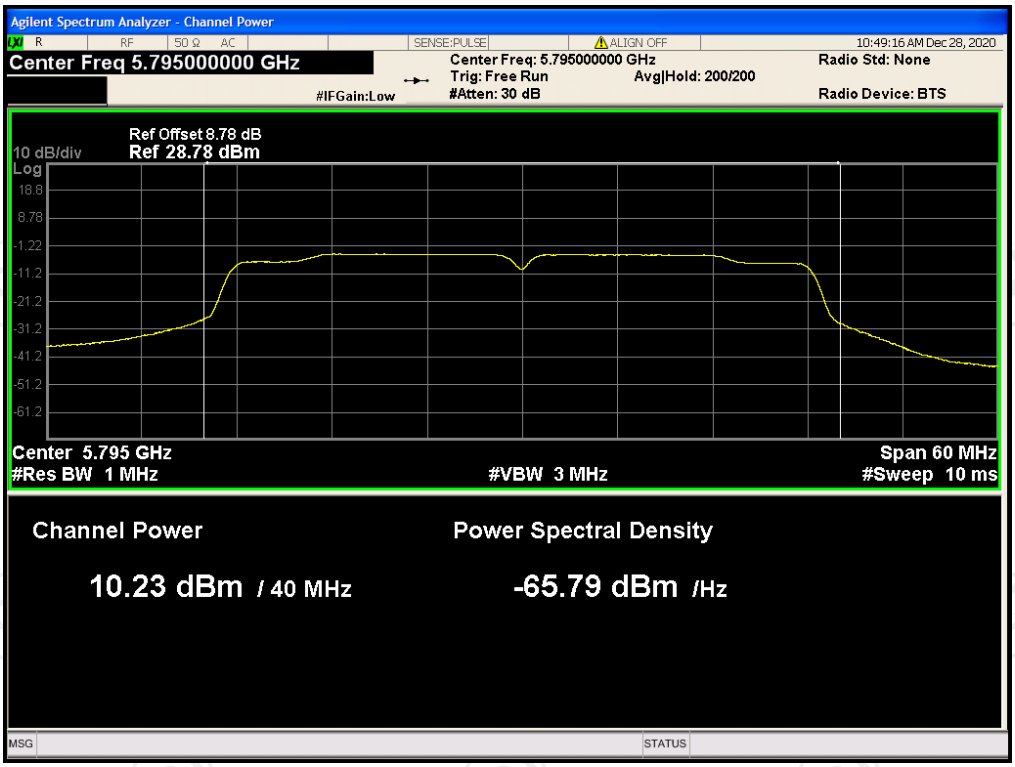
Power NVNT 802.11ac20 5825MHz Ant1



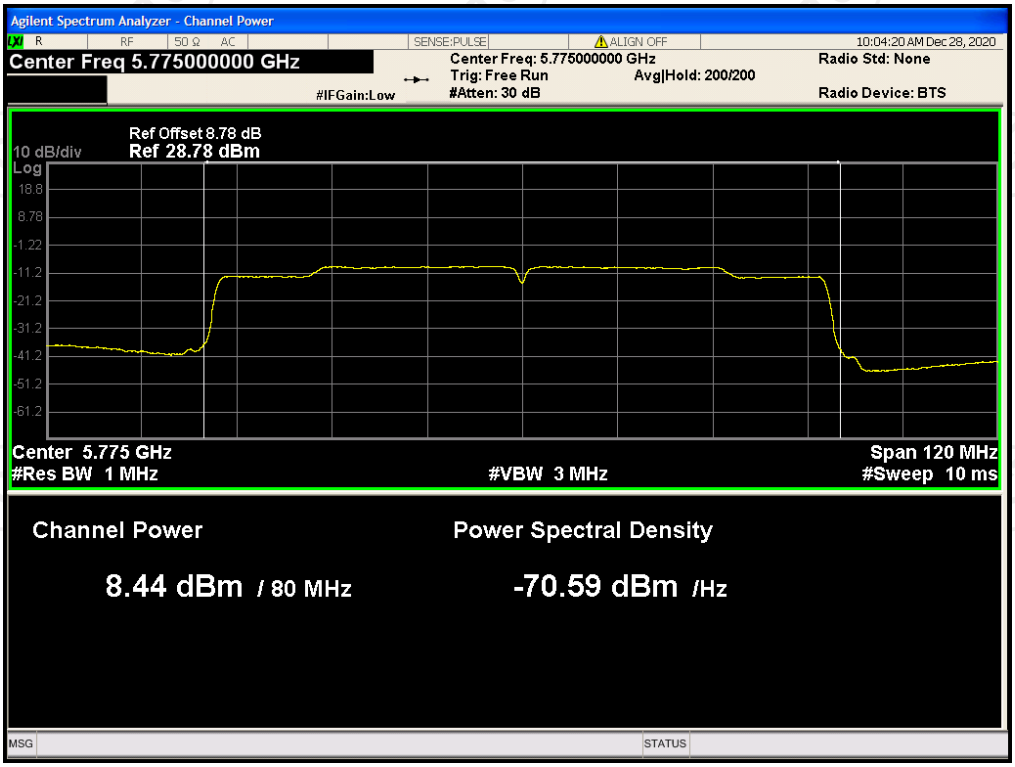
Power NVNT 802.11ac40 5755MHz Ant1



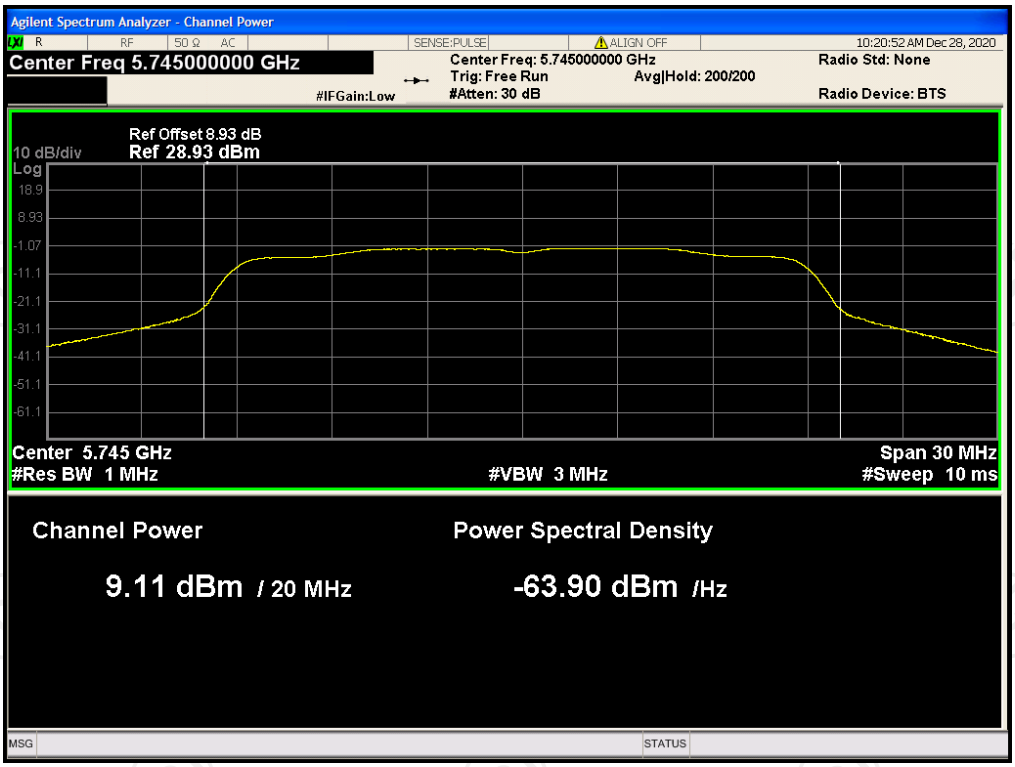
Power NVNT 802.11ac40 5795MHz Ant1



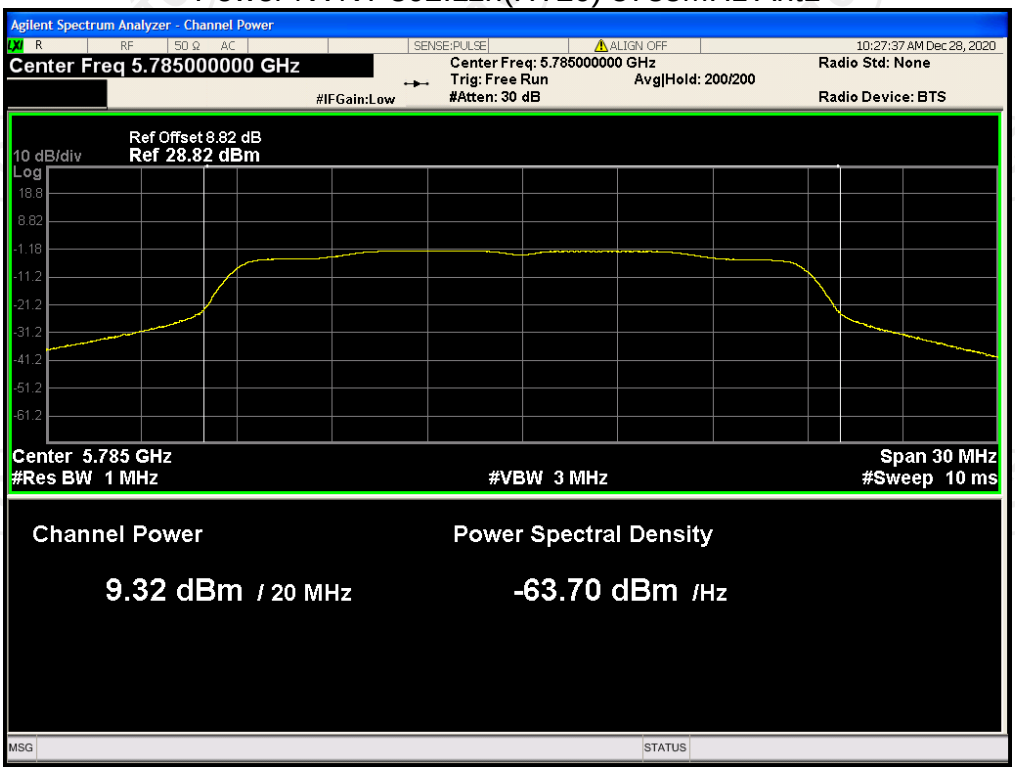
Power NVNT 802.11ac80 5775MHz Ant1



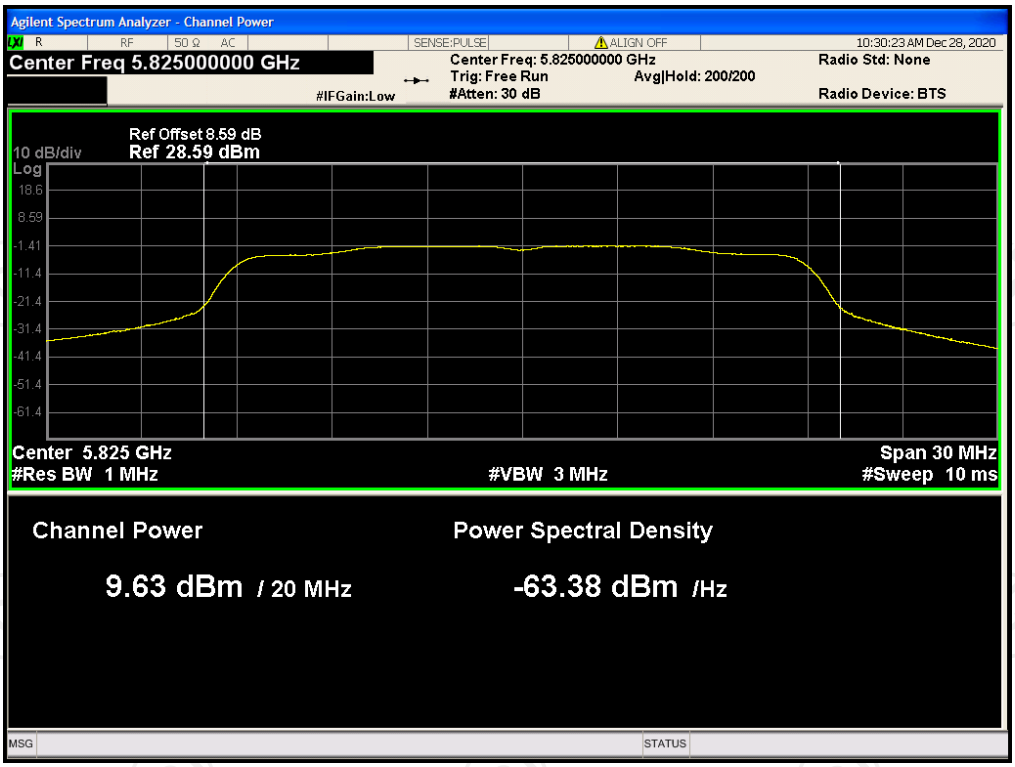
Power NVNT 802.11n(HT20) 5745MHz Ant1



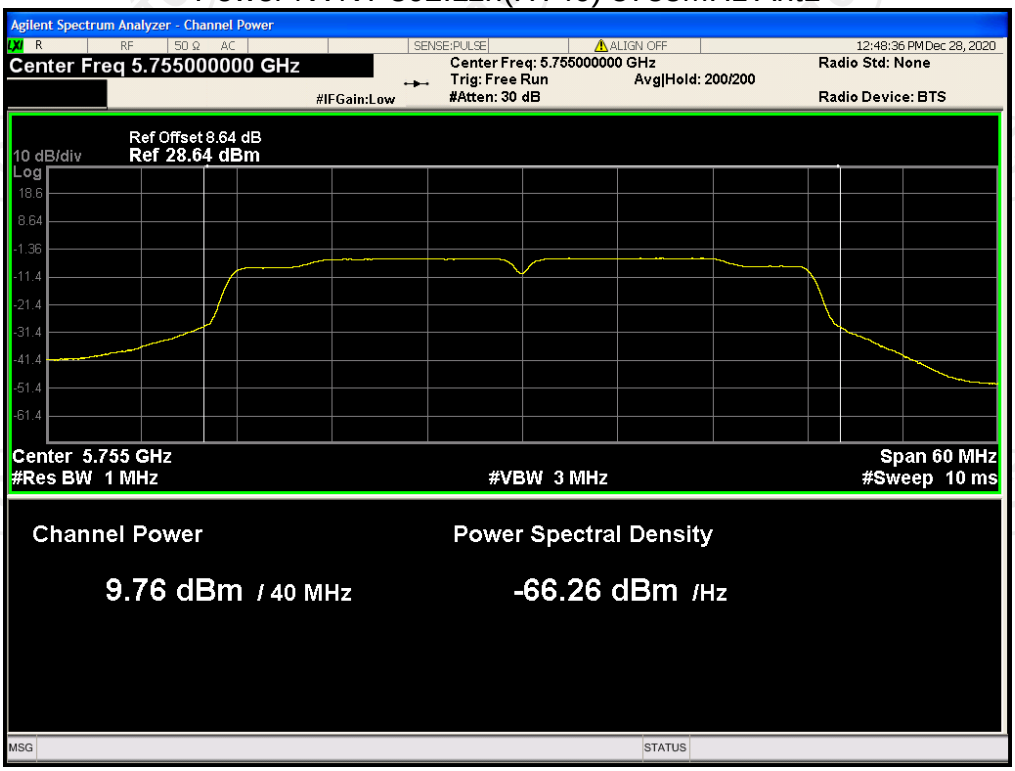
Power NVNT 802.11n(HT20) 5785MHz Ant1



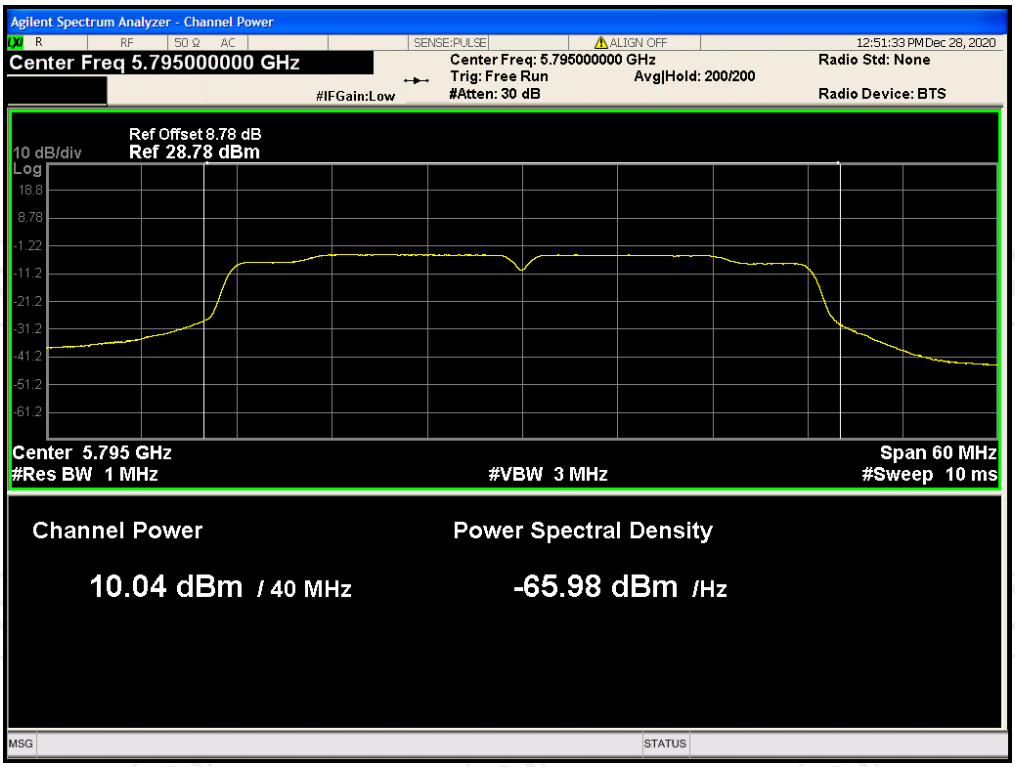
Power NVNT 802.11n(HT20) 5825MHz Ant1



Power NVNT 802.11n(HT40) 5755MHz Ant1



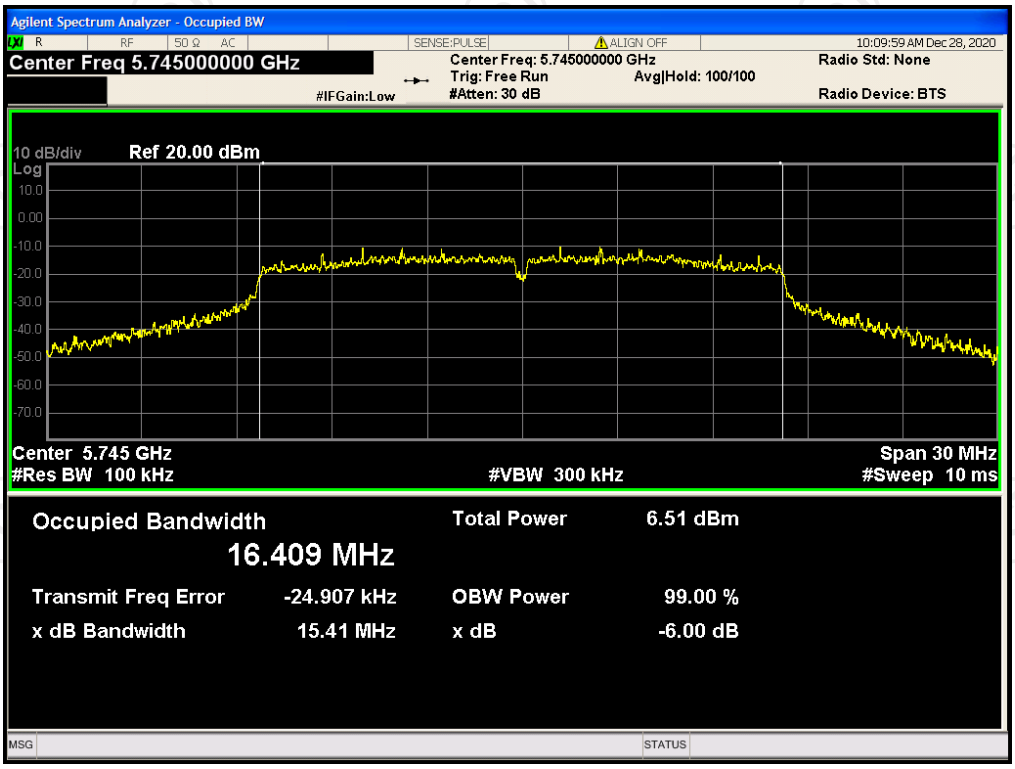
Power NVNT 802.11n(HT40) 5795MHz Ant1


Agilent Spectrum Analyzer - Channel Power
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
12:51:33 PM Dec 28, 2020
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 200/200
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Log
18.8
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
#Sweep 10 ms
Channel Power
10.04 dBm / 40 MHz
Power Spectral Density
-65.98 dBm /Hz
MSG
STATUS

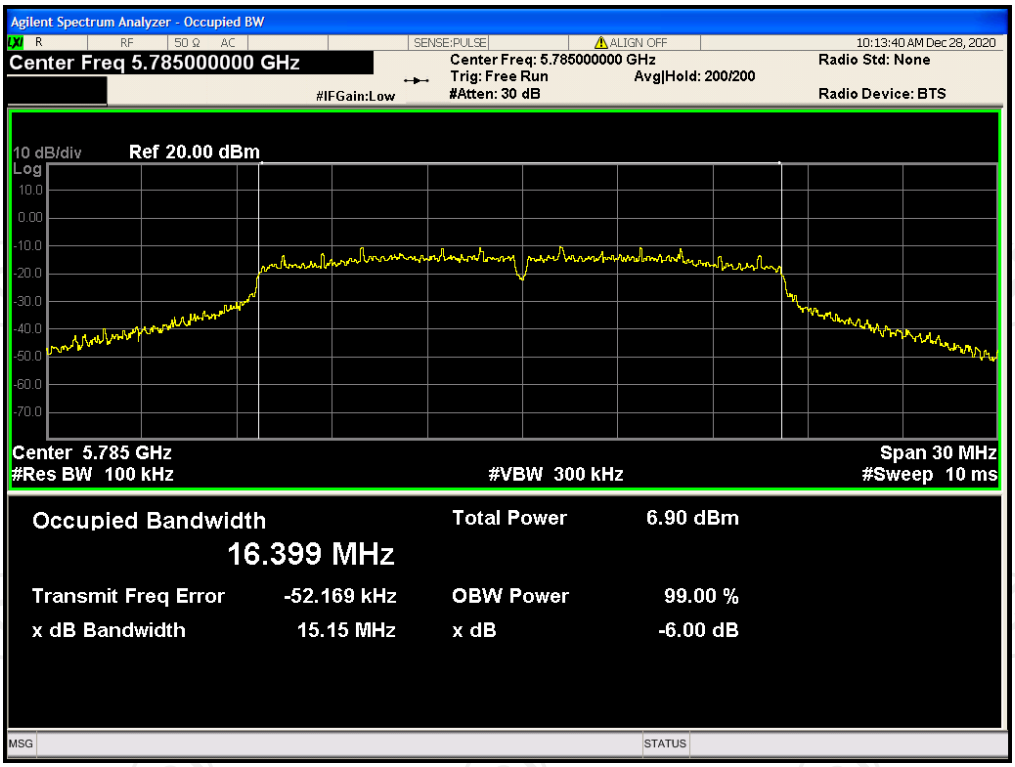
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	15.4098	0.5	Pass
NVNT	802.11a	5785	Ant 1	15.1502	0.5	Pass
NVNT	802.11a	5825	Ant 1	15.1036	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	15.1503	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	15.2595	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	15.1068	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	35.0788	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	35.0914	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.2605	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	15.1380	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	15.1406	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	13.8715	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	35.1540	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	35.1623	0.5	Pass

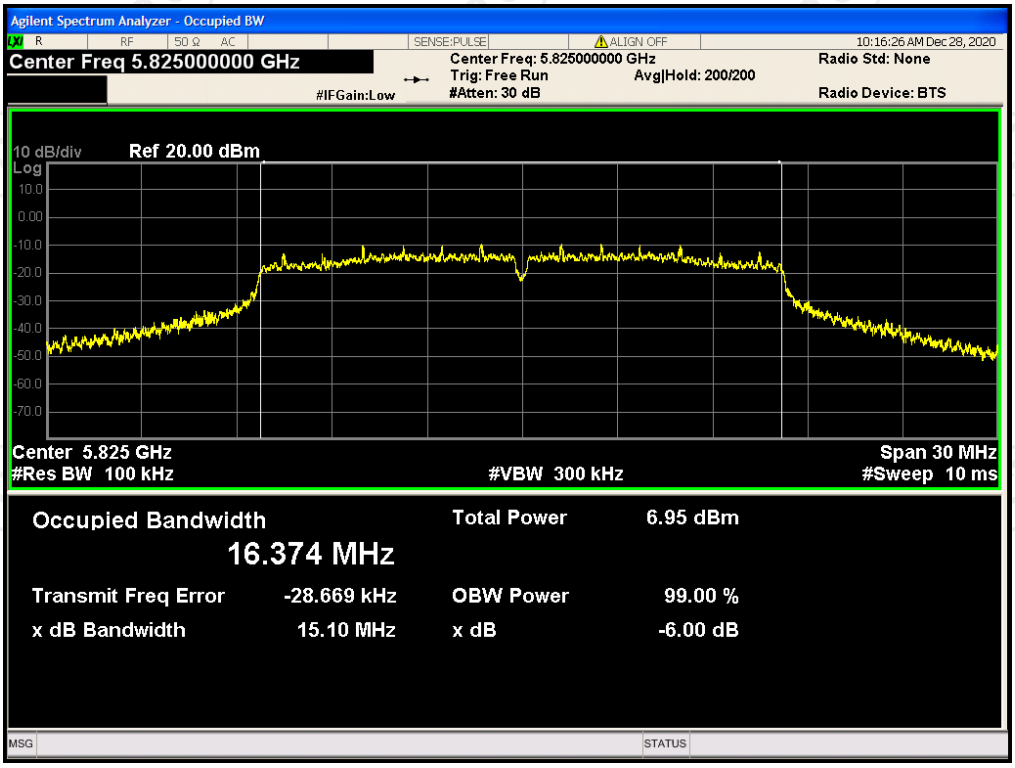
-6dB Bandwidth NVNT 802.11a 5745MHz Ant1



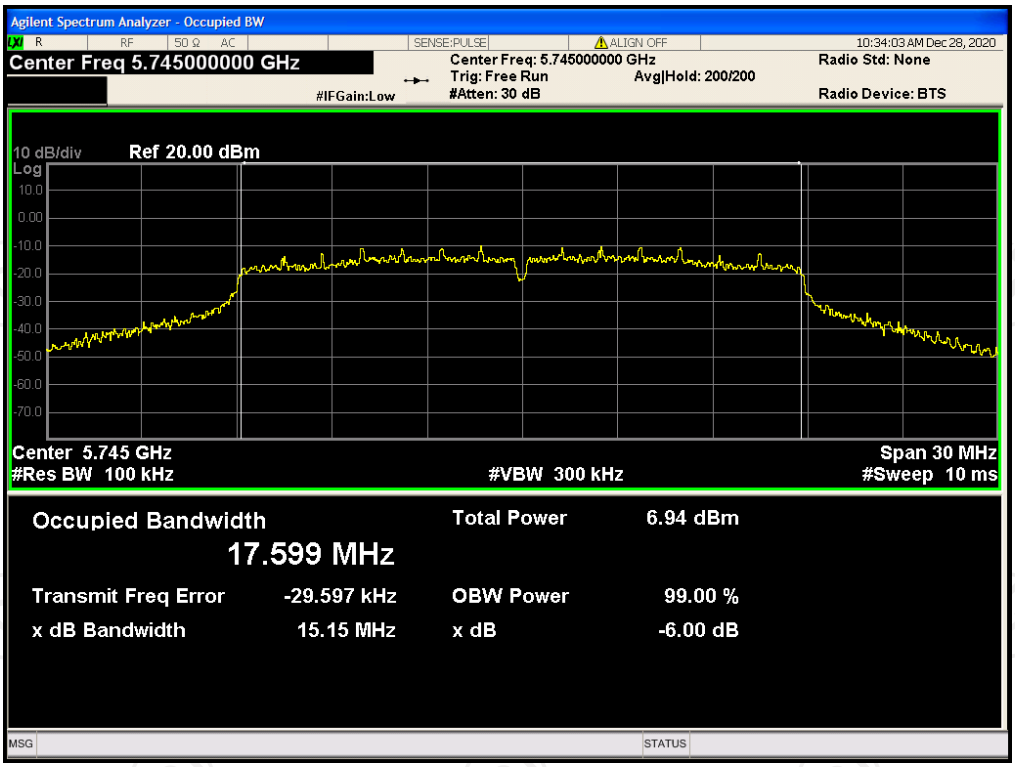
-6dB Bandwidth NVNT 802.11a 5785MHz Ant1



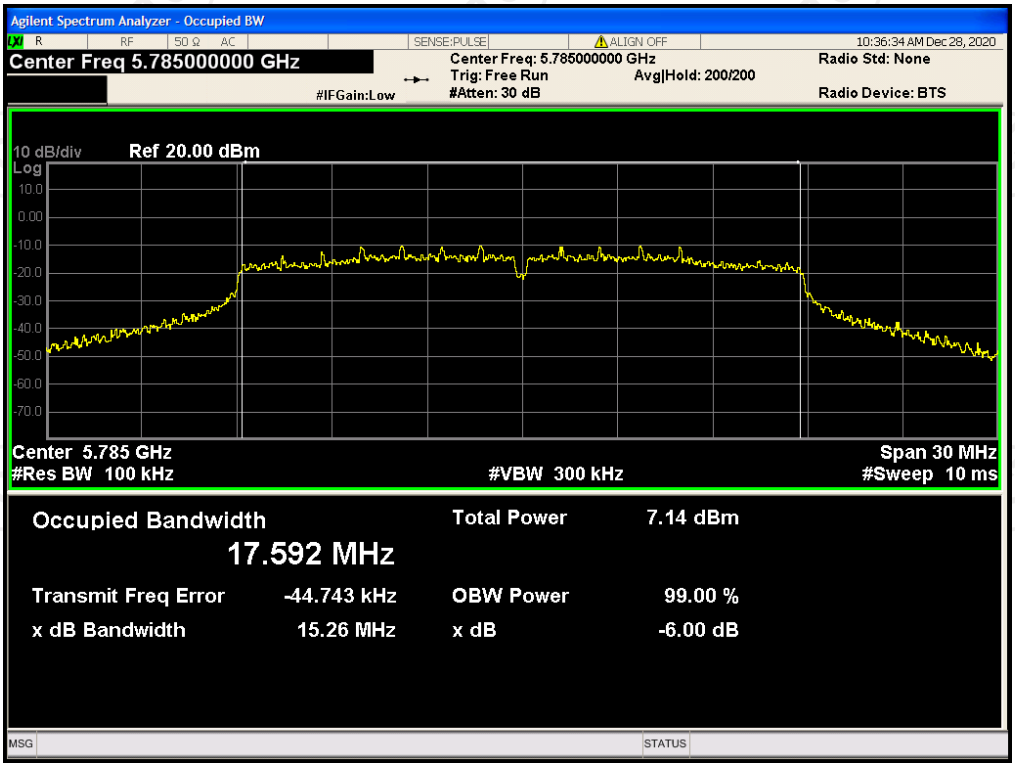
-6dB Bandwidth NVNT 802.11a 5825MHz Ant1



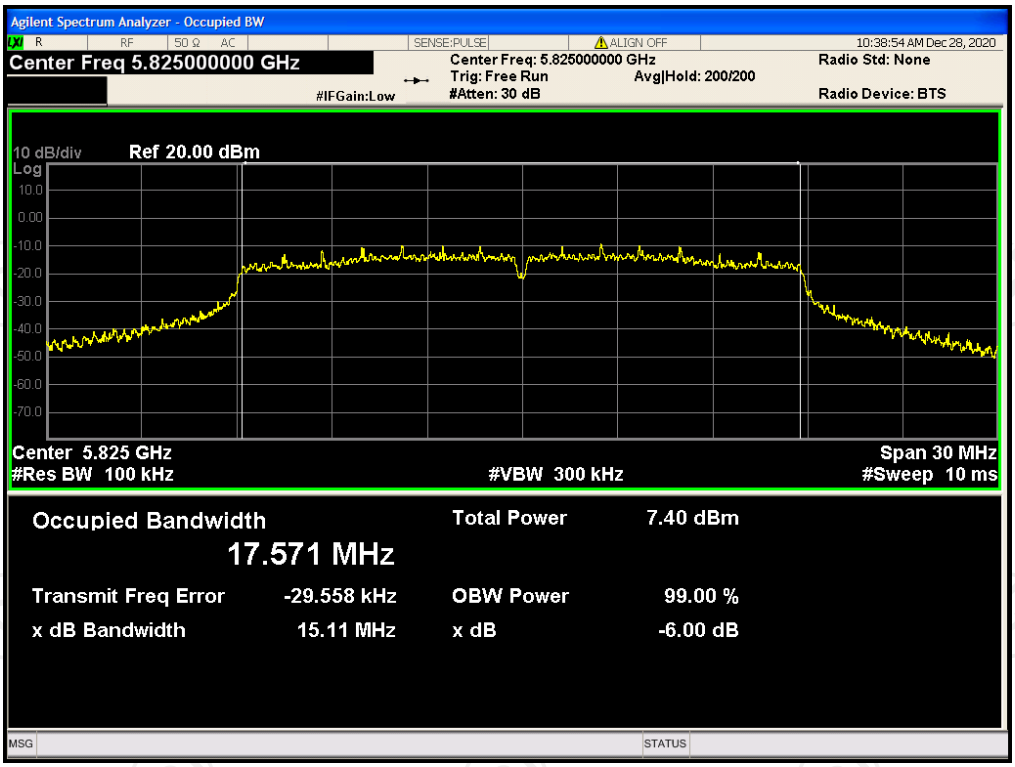
-6dB Bandwidth NVNT 802.11ac20 5745MHz Ant1



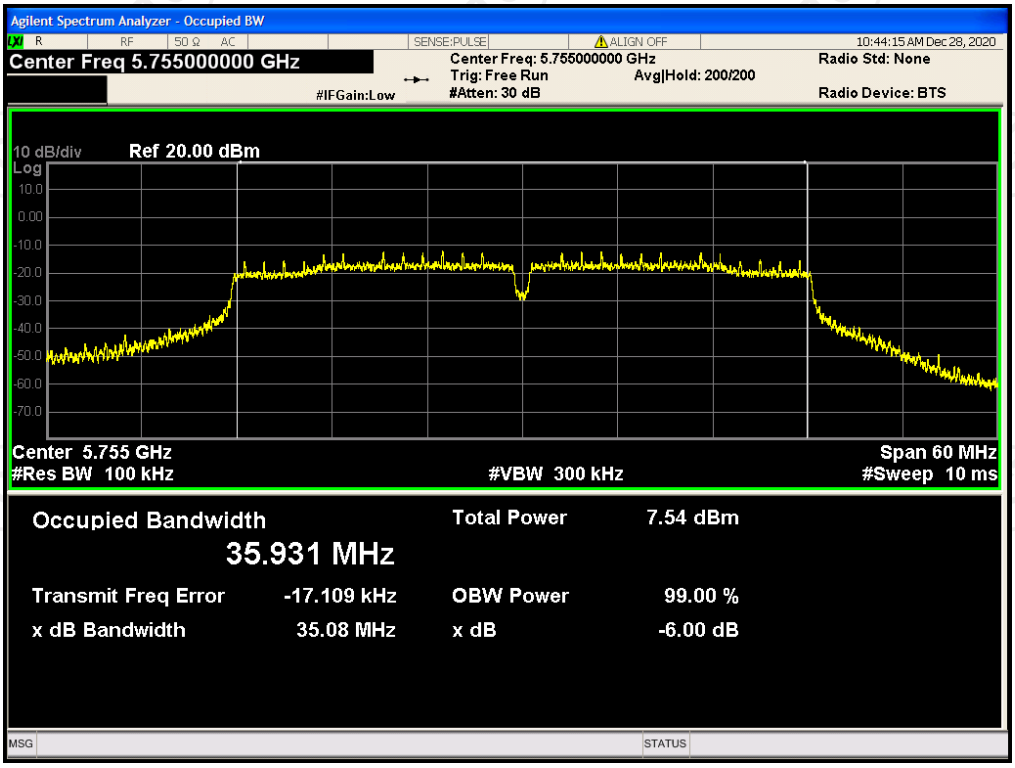
-6dB Bandwidth NVNT 802.11ac20 5785MHz Ant1



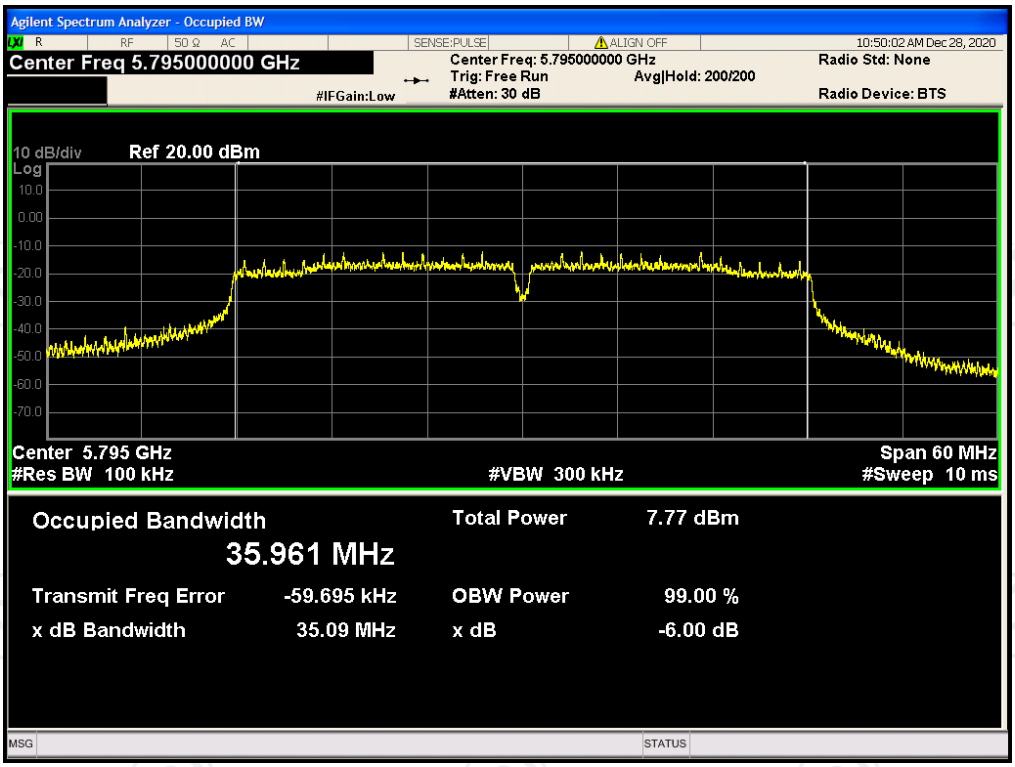
-6dB Bandwidth NVNT 802.11ac20 5825MHz Ant1



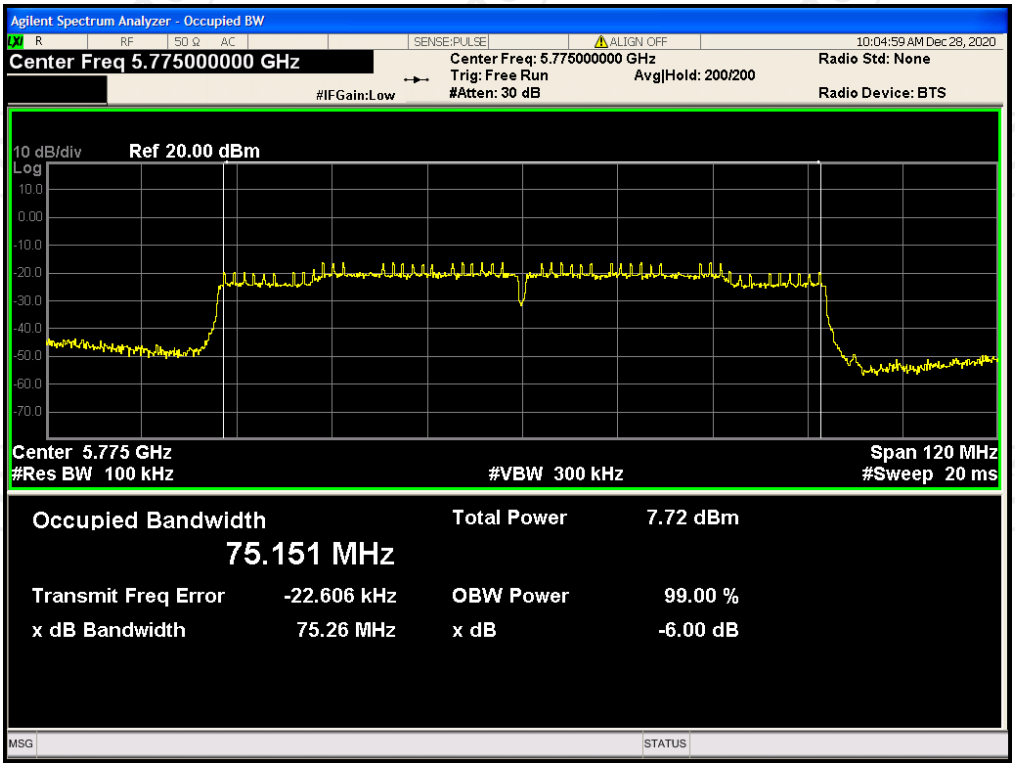
-6dB Bandwidth NVNT 802.11ac40 5755MHz Ant1



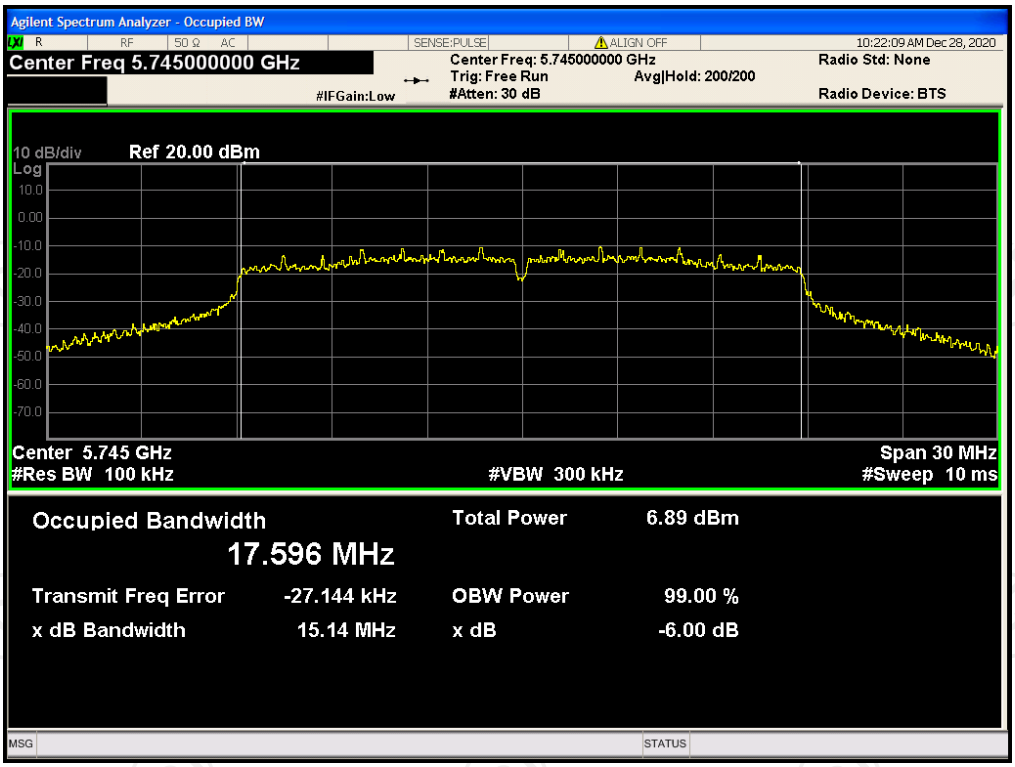
-6dB Bandwidth NVNT 802.11ac40 5795MHz Ant1



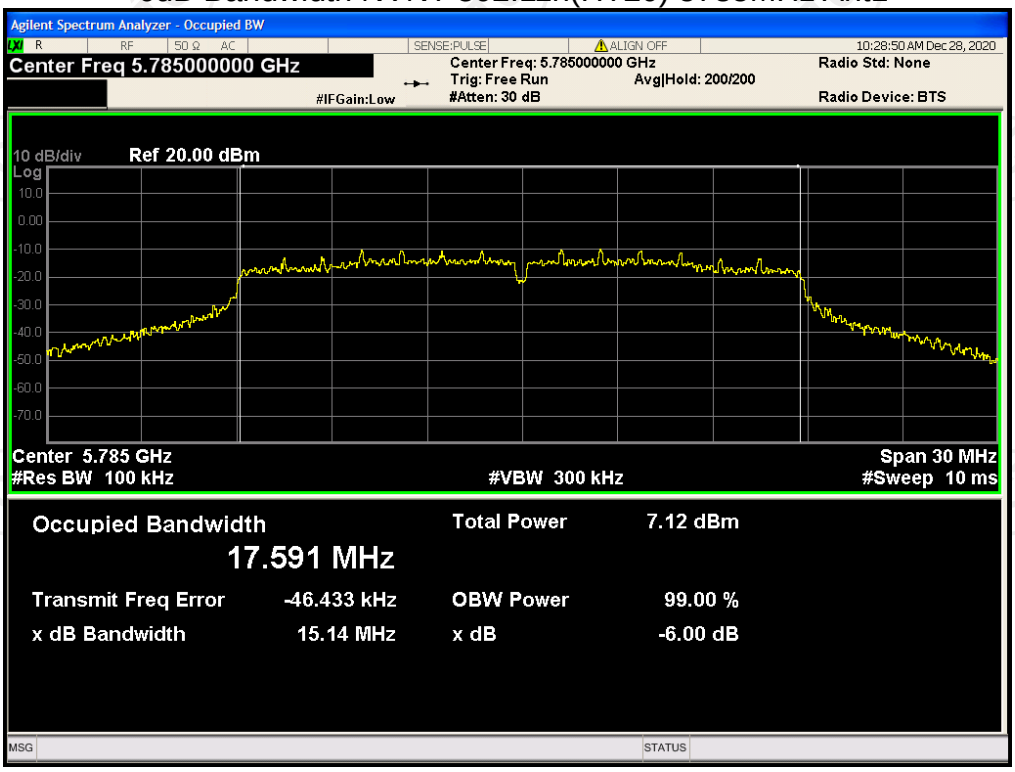
-6dB Bandwidth NVNT 802.11ac80 5775MHz Ant1



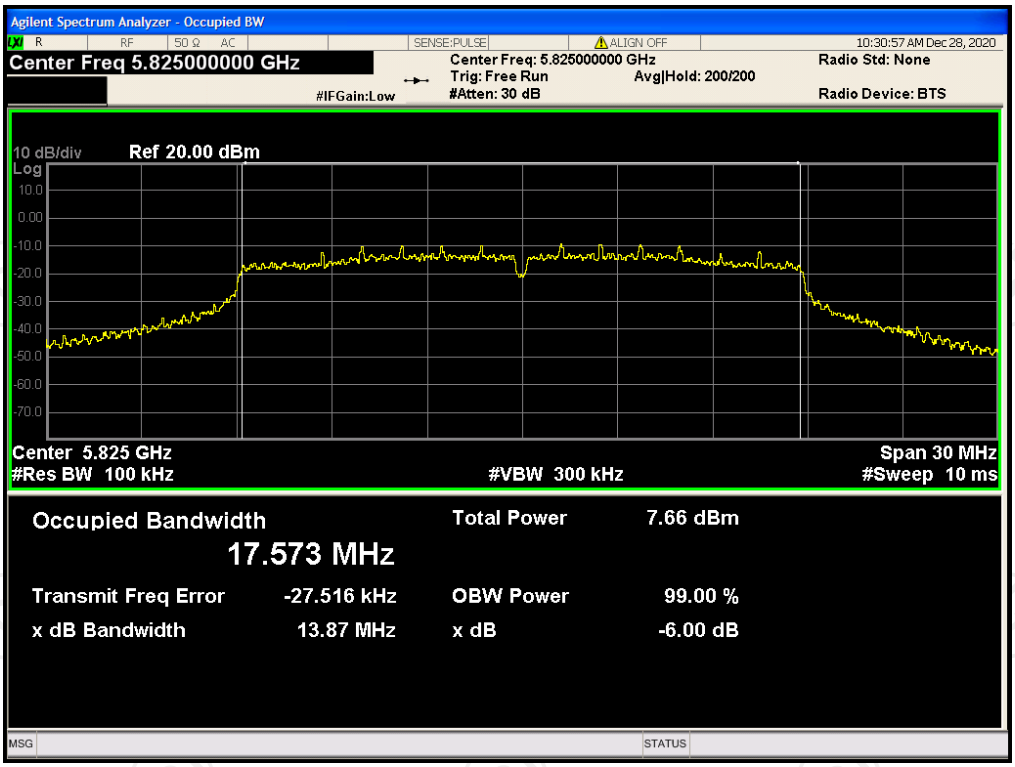
-6dB Bandwidth NVNT 802.11n(HT20) 5745MHz Ant1



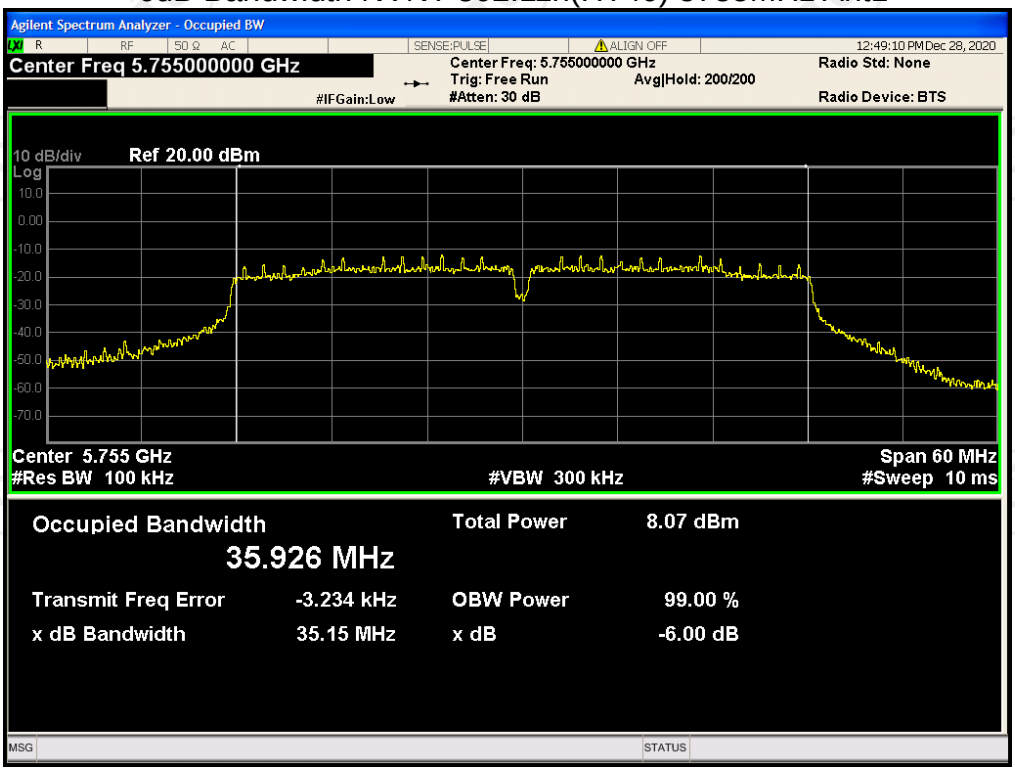
-6dB Bandwidth NVNT 802.11n(HT20) 5785MHz Ant1



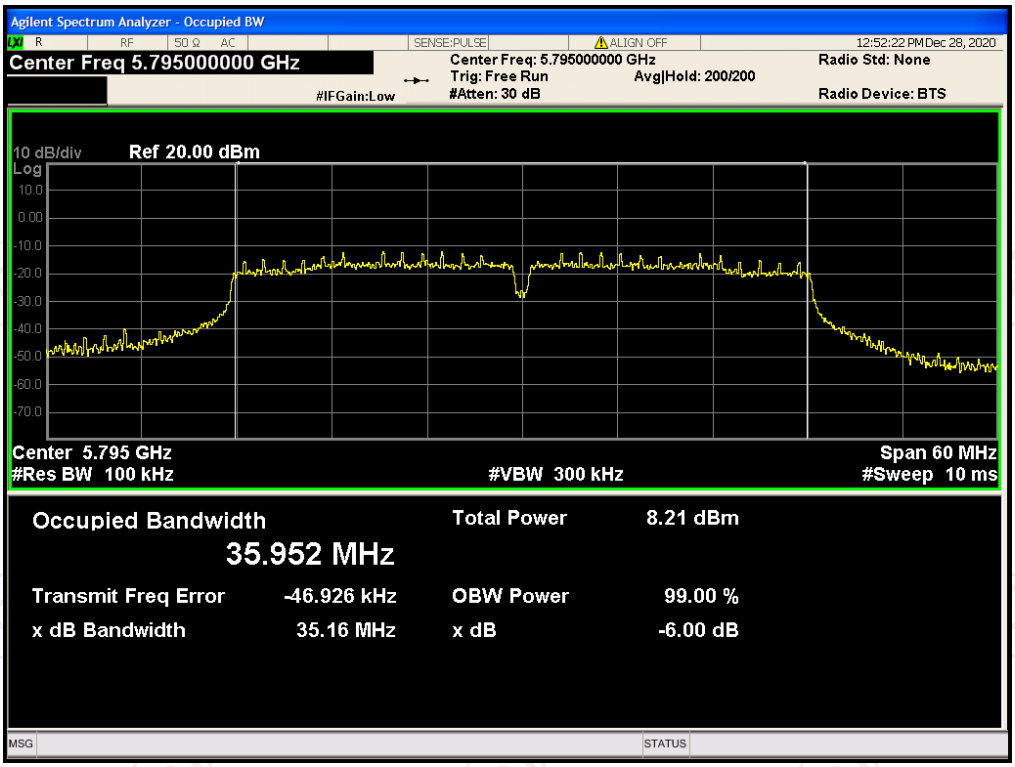
-6dB Bandwidth NVNT 802.11n(HT20) 5825MHz Ant1



-6dB Bandwidth NVNT 802.11n(HT40) 5755MHz Ant1



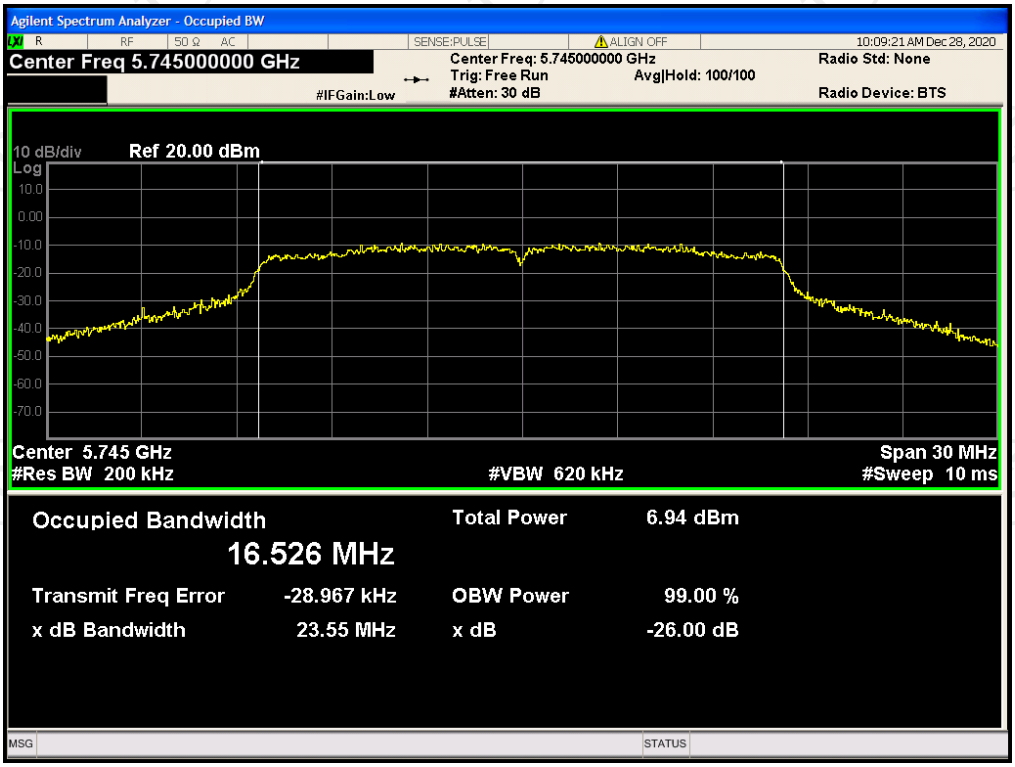
-6dB Bandwidth NVNT 802.11n(HT40) 5795MHz Ant1


Agilent Spectrum Analyzer - Occupied BW
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
12:52:22 PM Dec 28, 2020
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 200/200
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
#Sweep 10 ms
Occupied Bandwidth
35.952 MHz
Total Power 8.21 dBm
Transmit Freq Error -46.926 kHz
OBW Power 99.00 %
x dB Bandwidth 35.16 MHz
x dB -6.00 dB
MSG
STATUS

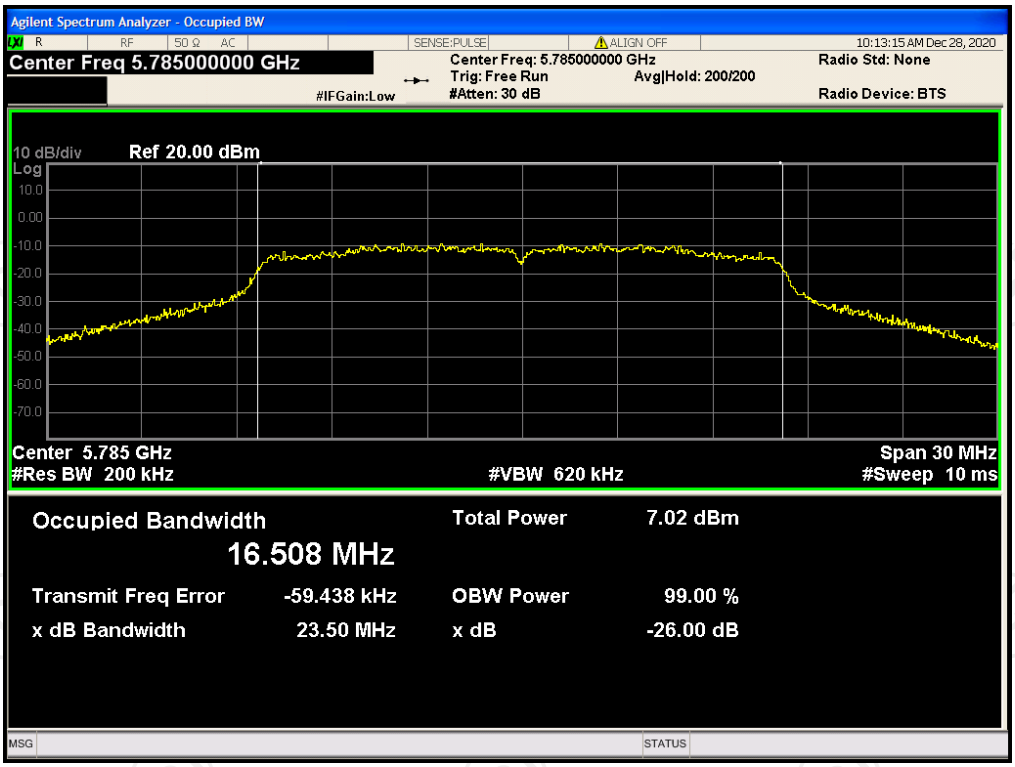
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	802.11a	5745	Ant 1	16.526	23.5462	0.5	Pass
NVNT	802.11a	5785	Ant 1	16.5076	23.5002	0.5	Pass
NVNT	802.11a	5825	Ant 1	16.4691	22.4635	0.5	Pass
NVNT	802.11ac20	5745	Ant 1	17.6762	23.8111	0.5	Pass
NVNT	802.11ac20	5785	Ant 1	17.655	23.5935	0.5	Pass
NVNT	802.11ac20	5825	Ant 1	17.635	22.3714	0.5	Pass
NVNT	802.11ac40	5755	Ant 1	36.1059	44.0003	0.5	Pass
NVNT	802.11ac40	5795	Ant 1	36.1151	43.3045	0.5	Pass
NVNT	802.11ac80	5775	Ant 1	75.3836	99.9332	0.5	Pass
NVNT	802.11n(HT20)	5745	Ant 1	17.6656	23.6471	0.5	Pass
NVNT	802.11n(HT20)	5785	Ant 1	17.6675	23.2819	0.5	Pass
NVNT	802.11n(HT20)	5825	Ant 1	17.6392	23.0518	0.5	Pass
NVNT	802.11n(HT40)	5755	Ant 1	36.1456	43.9887	0.5	Pass
NVNT	802.11n(HT40)	5795	Ant 1	36.1855	43.6375	0.5	Pass

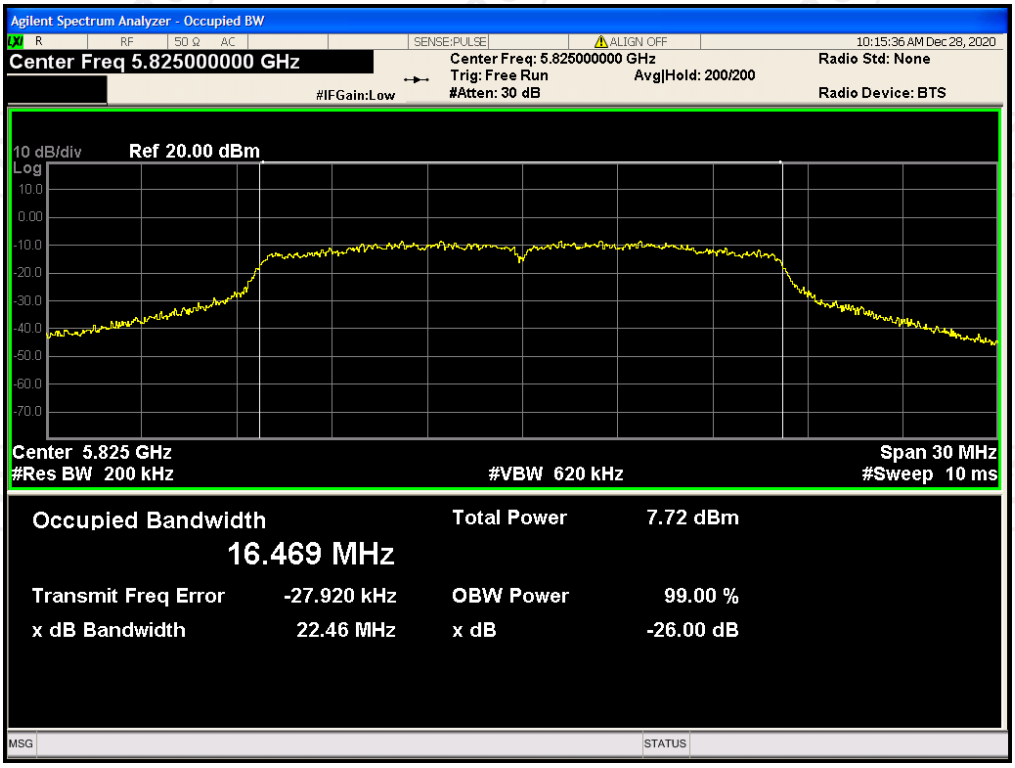
OBW NVNT 802.11a 5745MHz Ant1



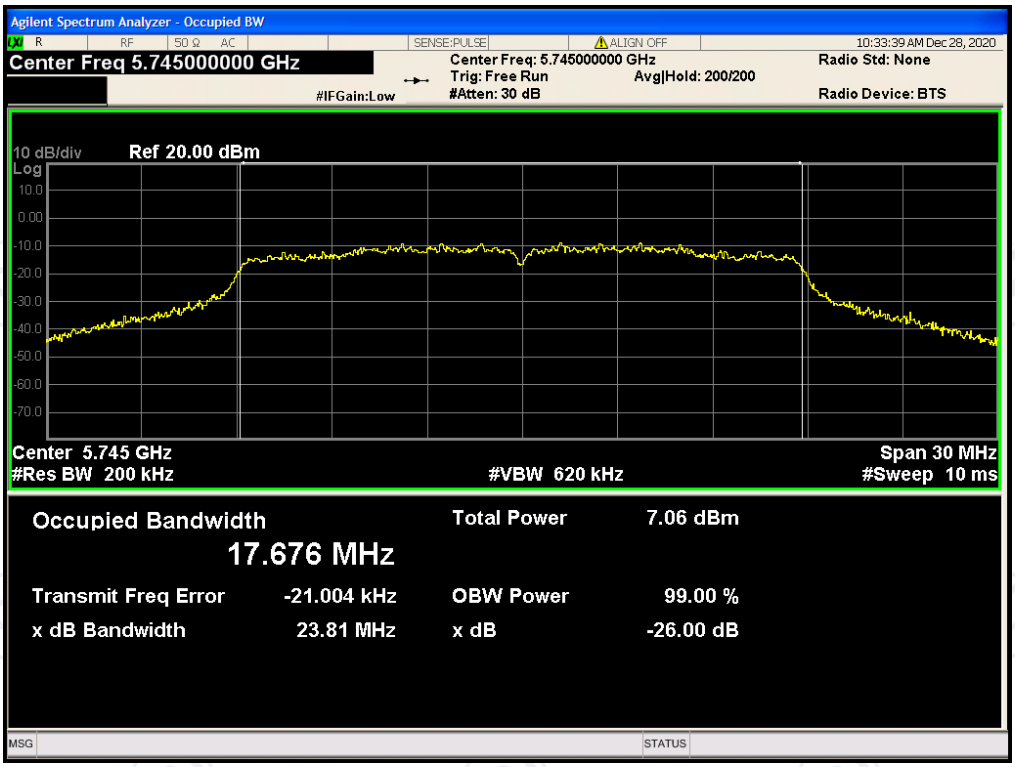
OBW NVNT 802.11a 5785MHz Ant1



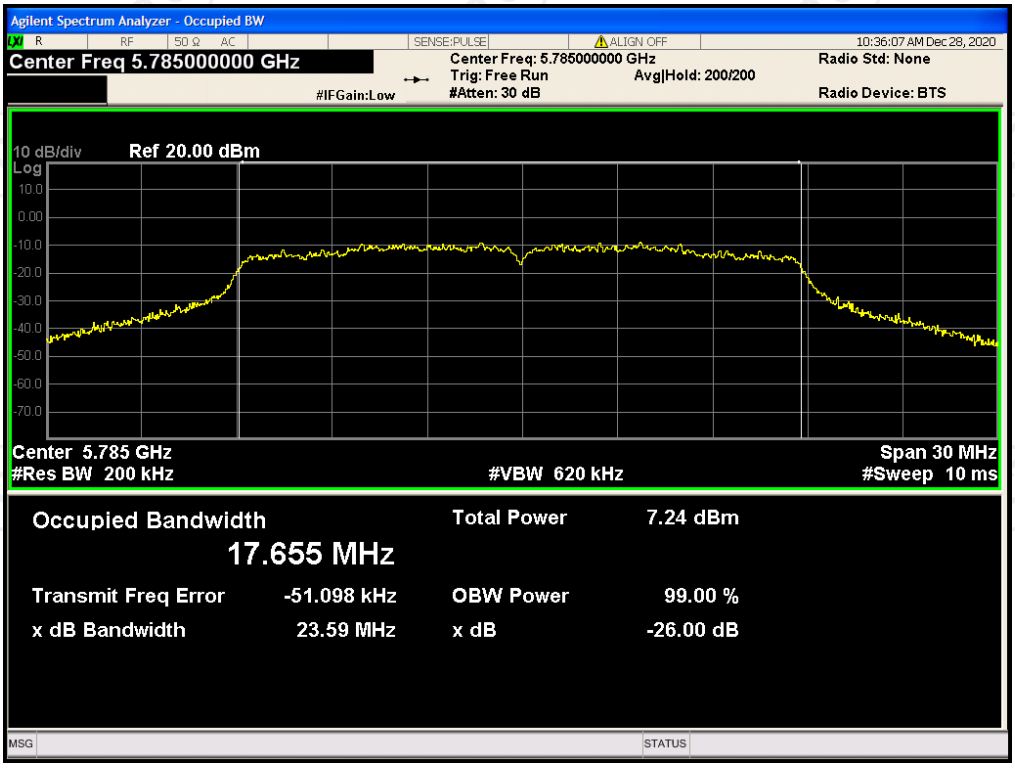
OBW NVNT 802.11a 5825MHz Ant1



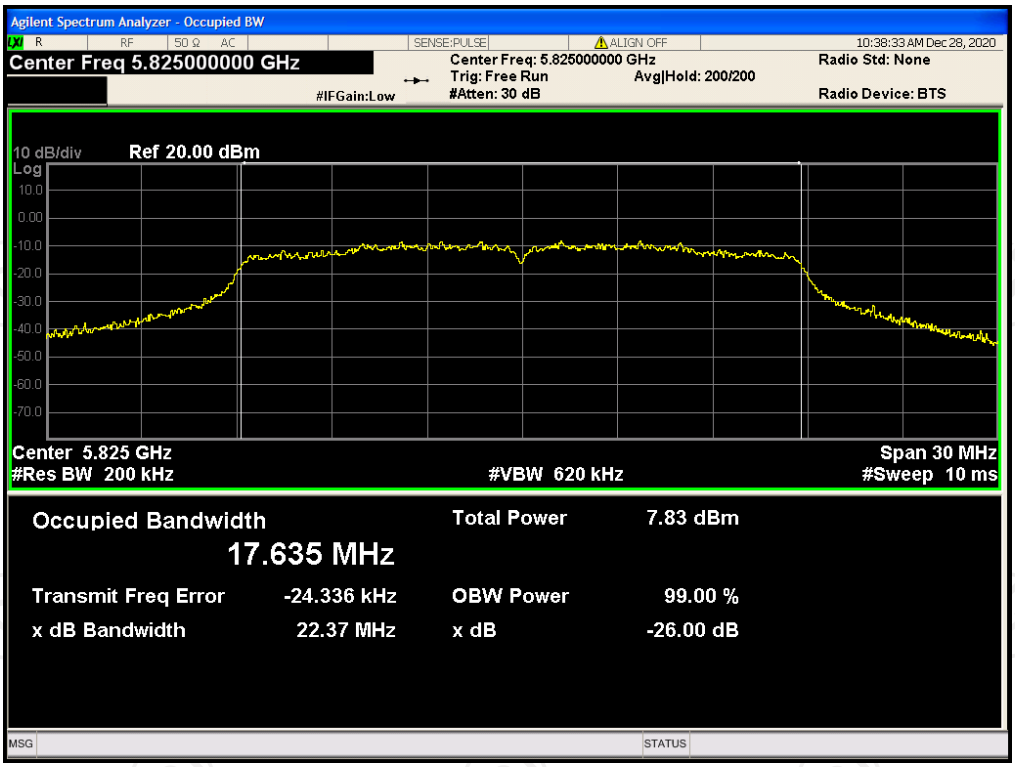
OBW NVNT 802.11ac20 5745MHz Ant1



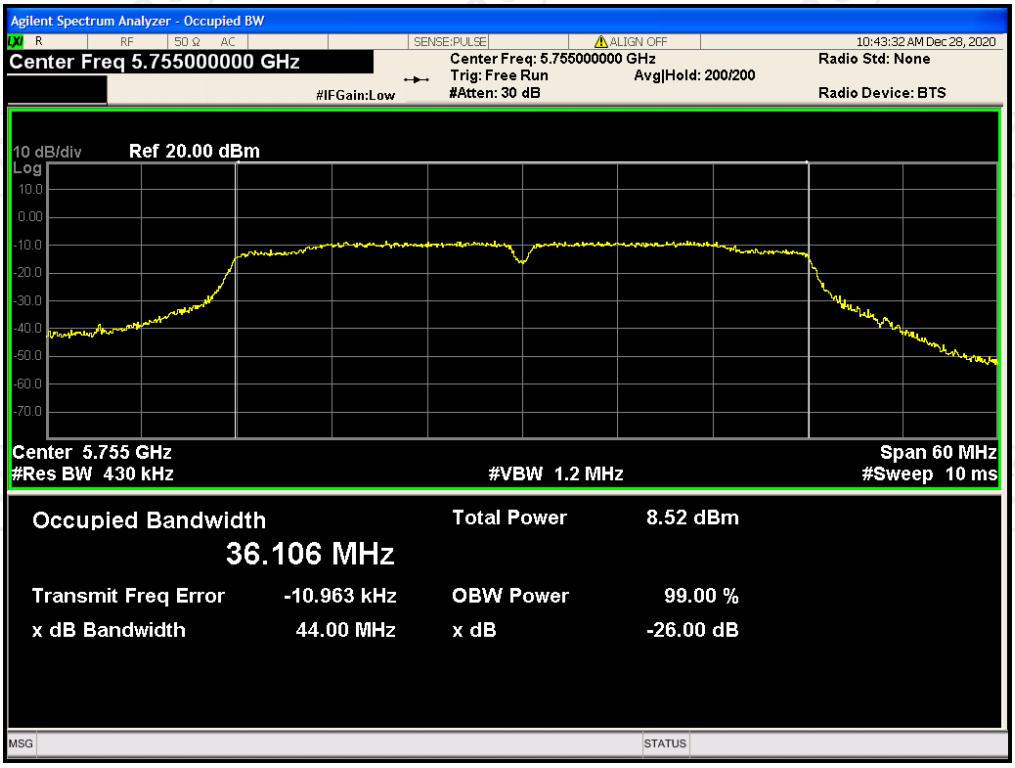
OBW NVNT 802.11ac20 5785MHz Ant1



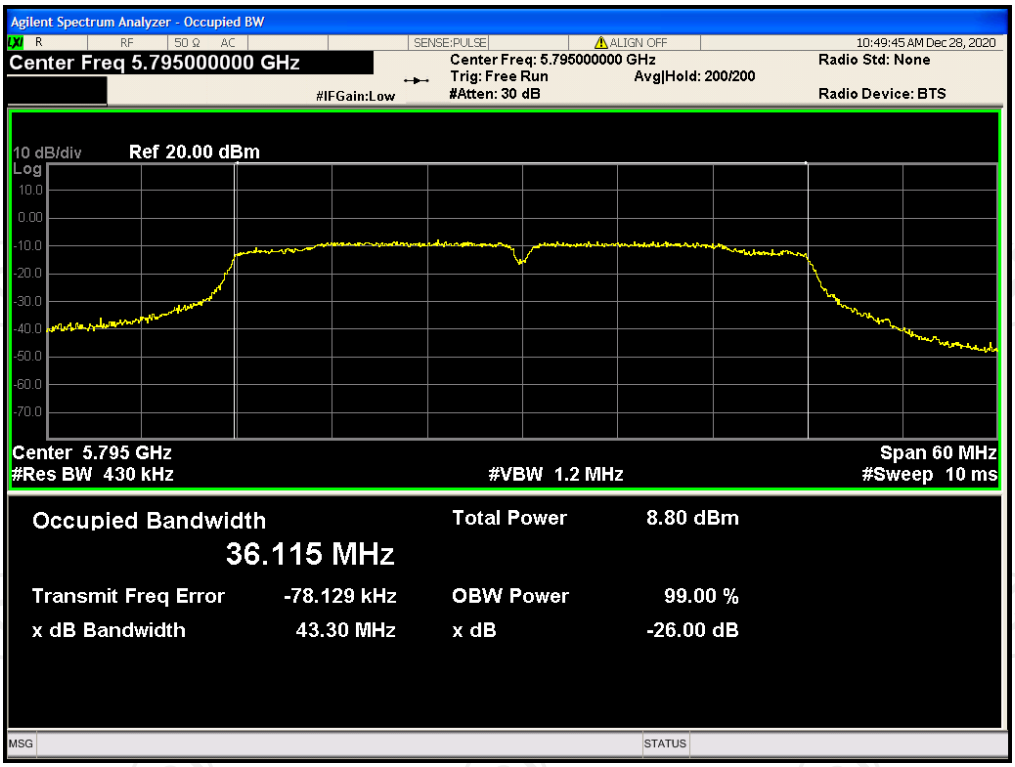
OBW NVNT 802.11ac20 5825MHz Ant1



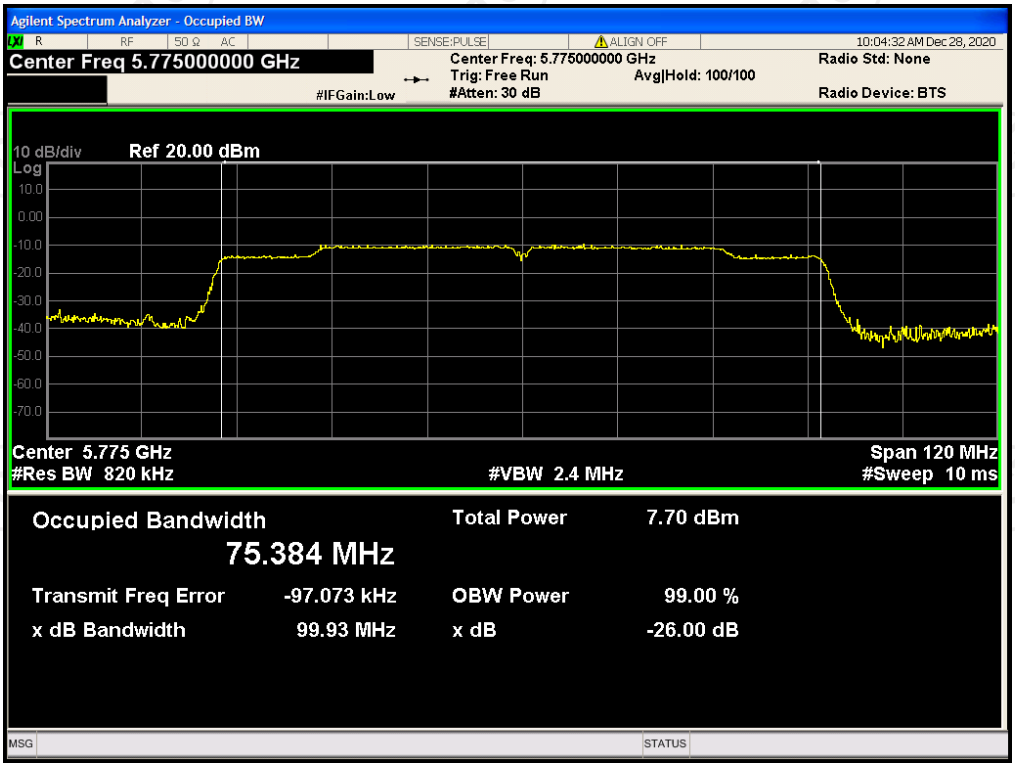
OBW NVNT 802.11ac40 5755MHz Ant1



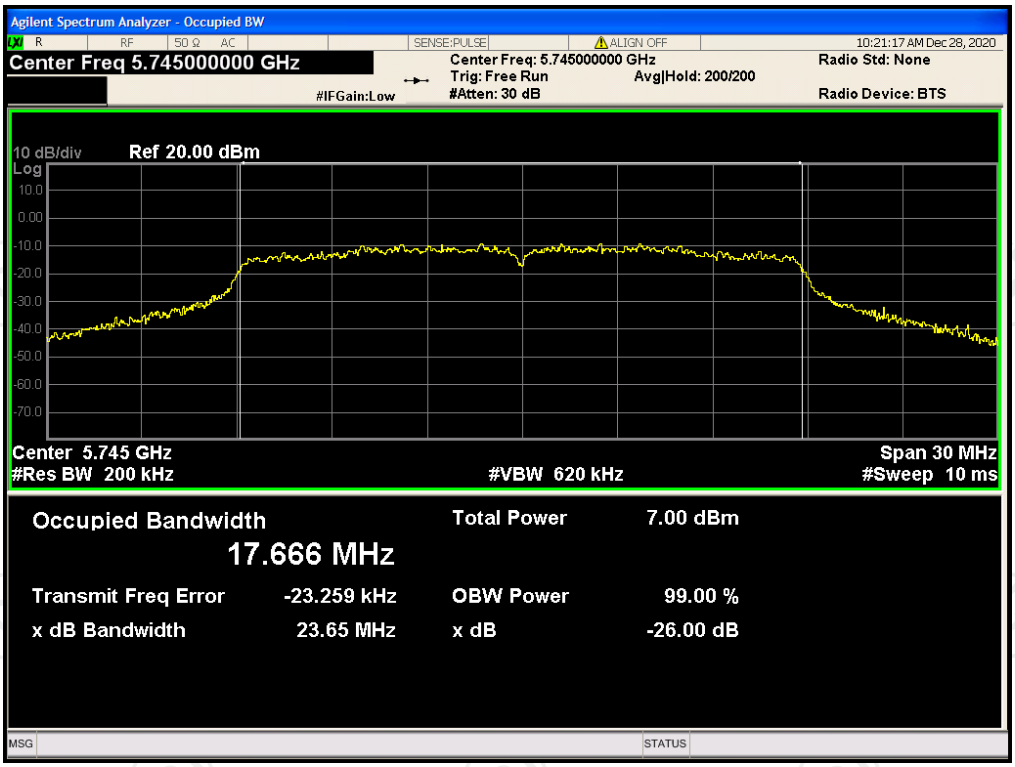
OBW NVNT 802.11ac40 5795MHz Ant1



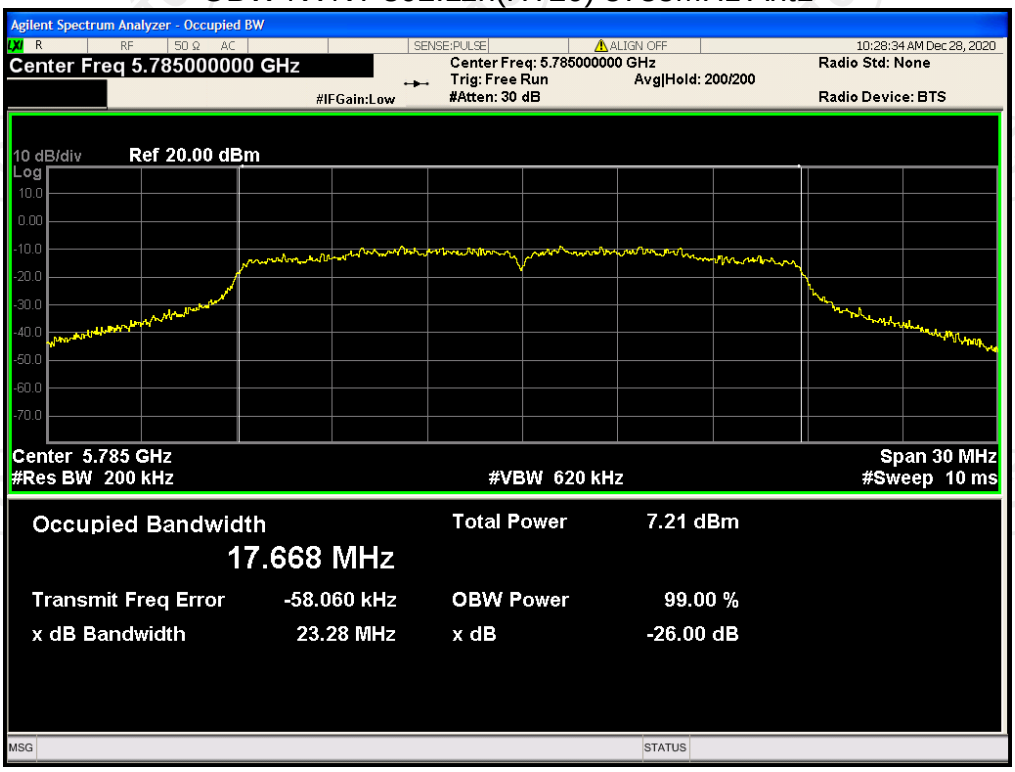
OBW NVNT 802.11ac80 5775MHz Ant1



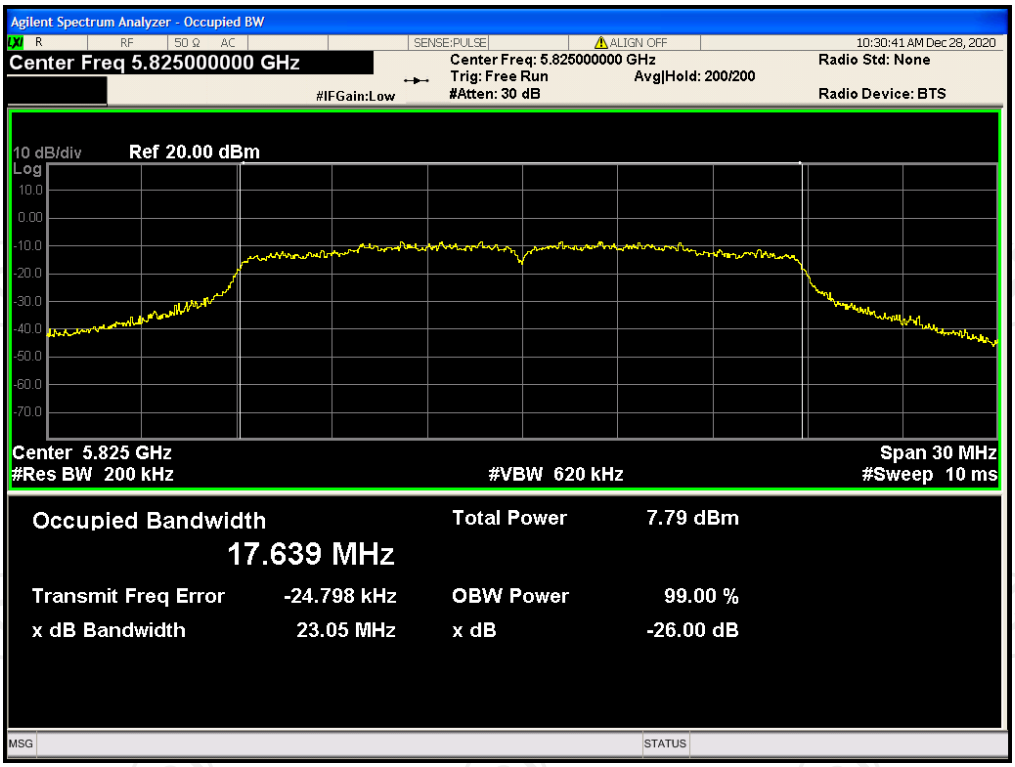
OBW NVNT 802.11n(HT20) 5745MHz Ant1



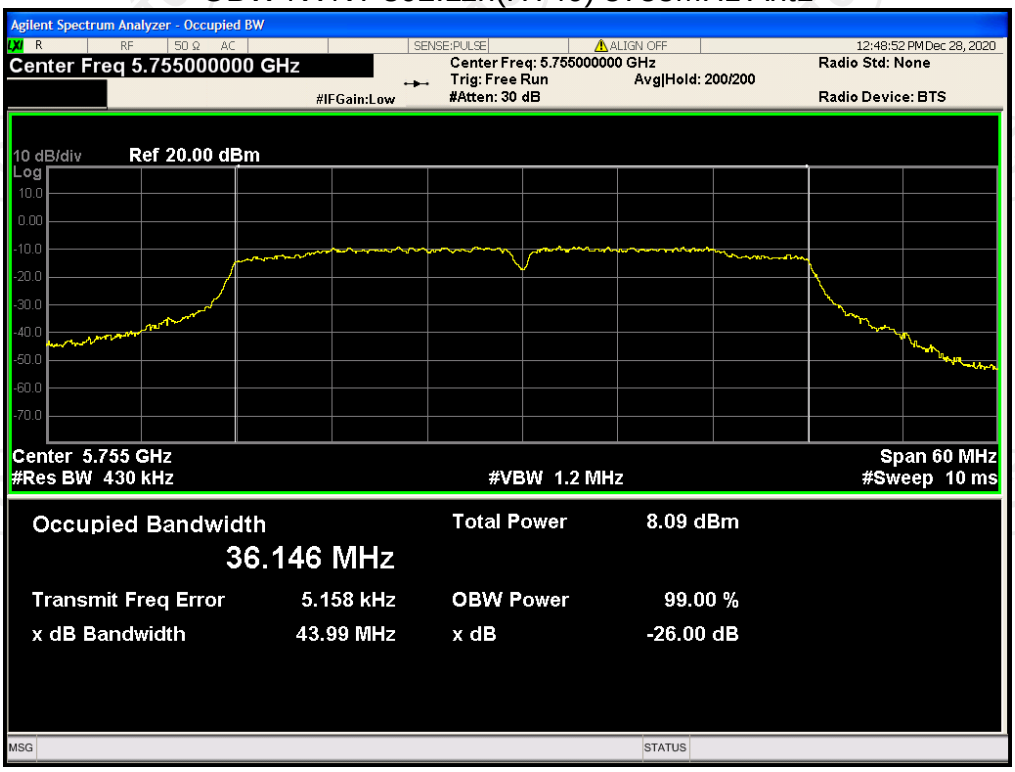
OBW NVNT 802.11n(HT20) 5785MHz Ant1



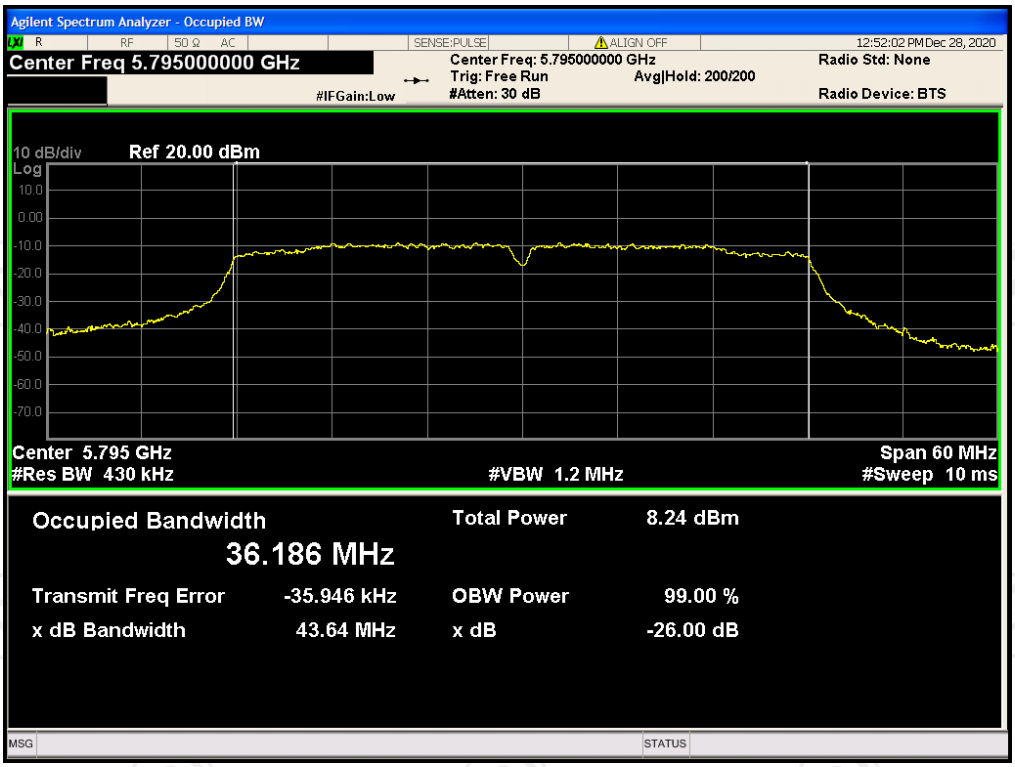
OBW NVNT 802.11n(HT20) 5825MHz Ant1



OBW NVNT 802.11n(HT40) 5755MHz Ant1



OBW NVNT 802.11n(HT40) 5795MHz Ant1

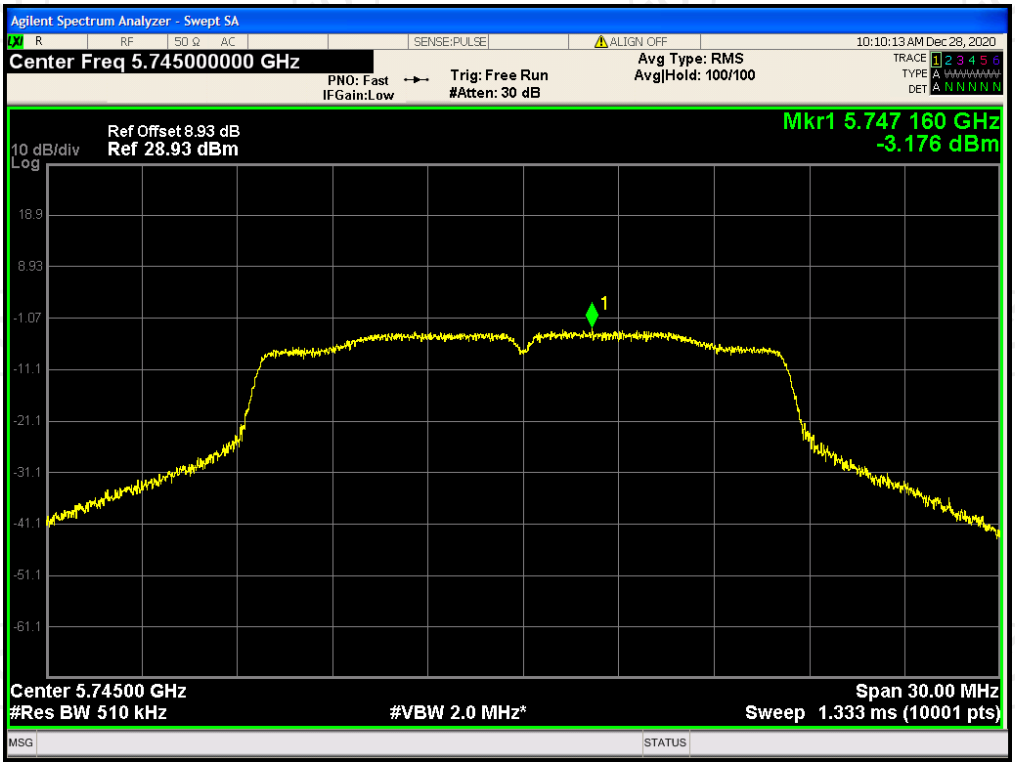

Agilent Spectrum Analyzer - Occupied BW
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
12:52:02 PM Dec 28, 2020
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 200/200
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 5.795 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 60 MHz
#Sweep 10 ms
Occupied Bandwidth
36.186 MHz
Total Power 8.24 dBm
Transmit Freq Error -35.946 kHz
OBW Power 99.00 %
x dB Bandwidth 43.64 MHz
x dB -26.00 dB
MSG
STATUS

Maximum Power Spectral Density Level

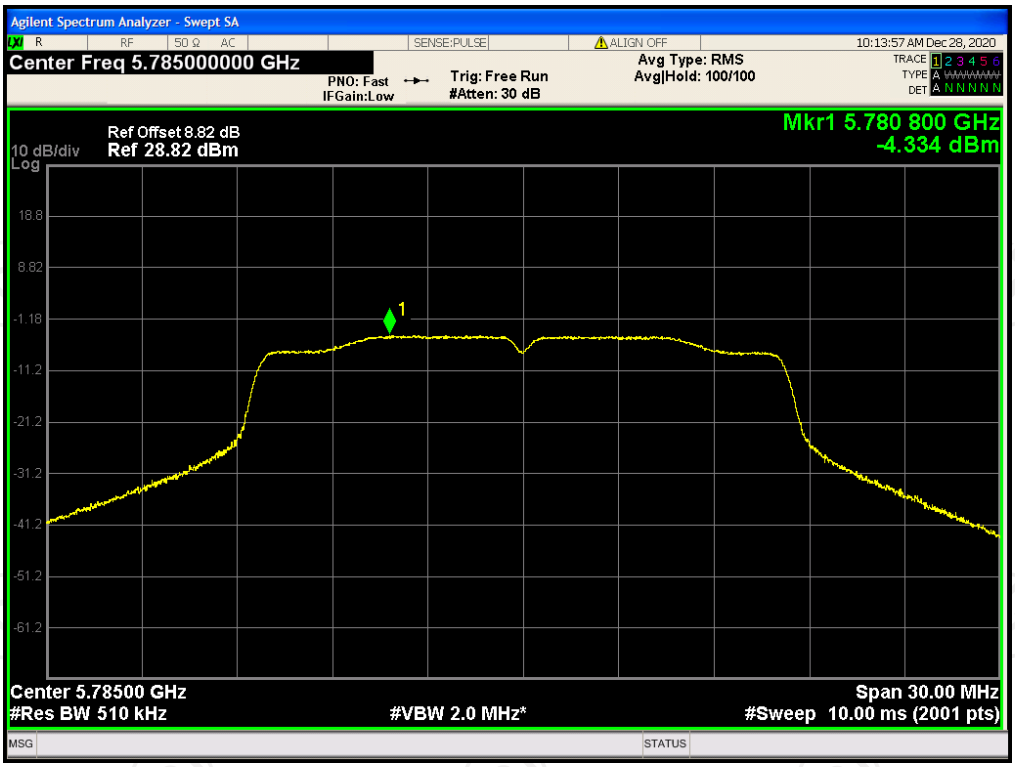
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/510 KHz)	Max PSD (dBm/500 KHz)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant0	-3.176	-3.262	30	Pass
NVNT	802.11a	5785	Ant0	-4.334	-4.420	30	Pass
NVNT	802.11a	5825	Ant0	-4.055	-4.141	30	Pass
NVNT	802.11ac20	5745	Ant0	-4.452	-4.538	30	Pass
NVNT	802.11ac20	5785	Ant0	-4.613	-4.699	30	Pass
NVNT	802.11ac20	5825	Ant0	-4.227	-4.313	30	Pass
NVNT	802.11ac40	5755	Ant0	-7.061	-7.147	30	Pass
NVNT	802.11ac40	5795	Ant0	-6.574	-6.660	30	Pass
NVNT	802.11ac80	5775	Ant0	-10.998	-11.084	30	Pass
NVNT	802.11n(HT20)	5745	Ant0	-4.685	-4.771	30	Pass
NVNT	802.11n(HT20)	5785	Ant0	-4.642	-4.728	30	Pass
NVNT	802.11n(HT20)	5825	Ant0	-3.804	-3.890	30	Pass
NVNT	802.11n(HT40)	5755	Ant0	-7.132	-7.218	30	Pass
NVNT	802.11n(HT40)	5795	Ant0	-6.419	-6.505	30	Pass

Note: *Compensate 10dB is for Exchange rate of RBW*
*Exchange rate of RBW = 10*log10(500KHz / RBW at measurement)≈ -0.086[dB]*
where Reference bandwidth = 510 KHz

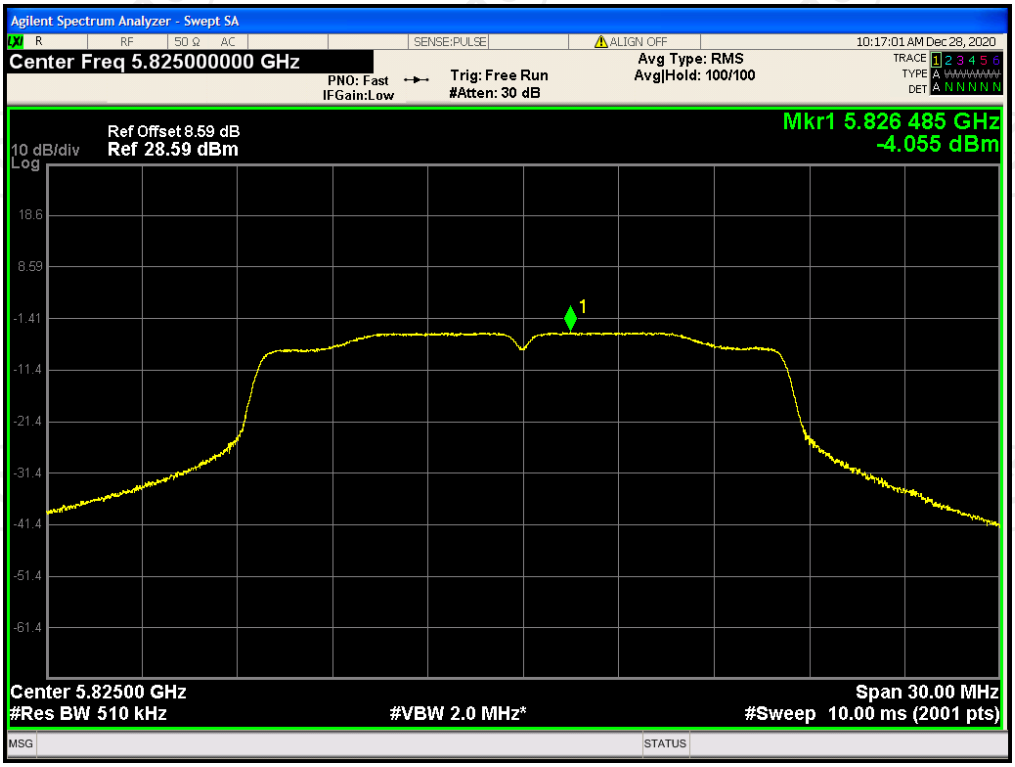
PSD NVNT 802.11a 5745MHz Ant1



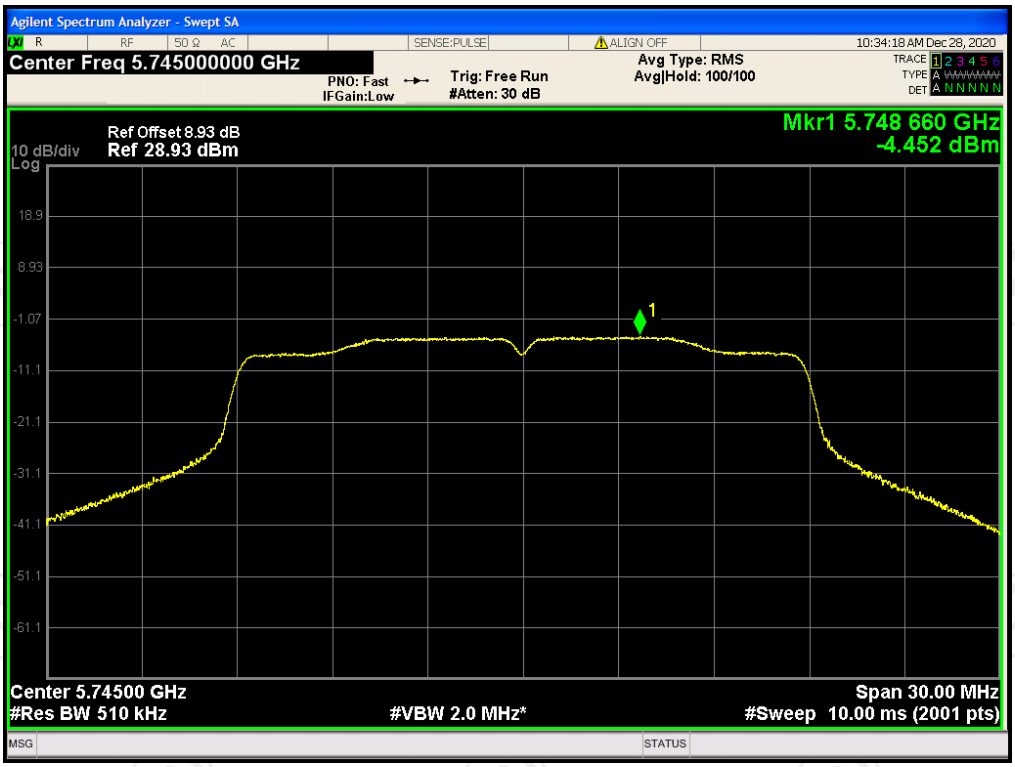
PSD NVNT 802.11a 5785MHz Ant1



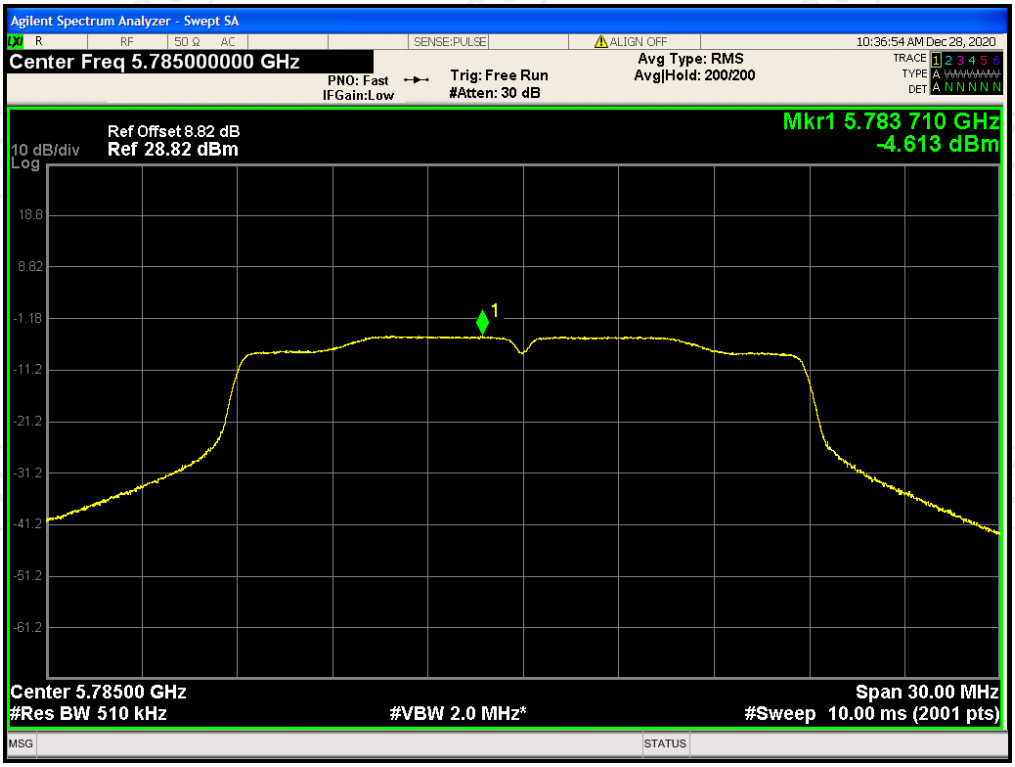
PSD NVNT 802.11a 5825MHz Ant1



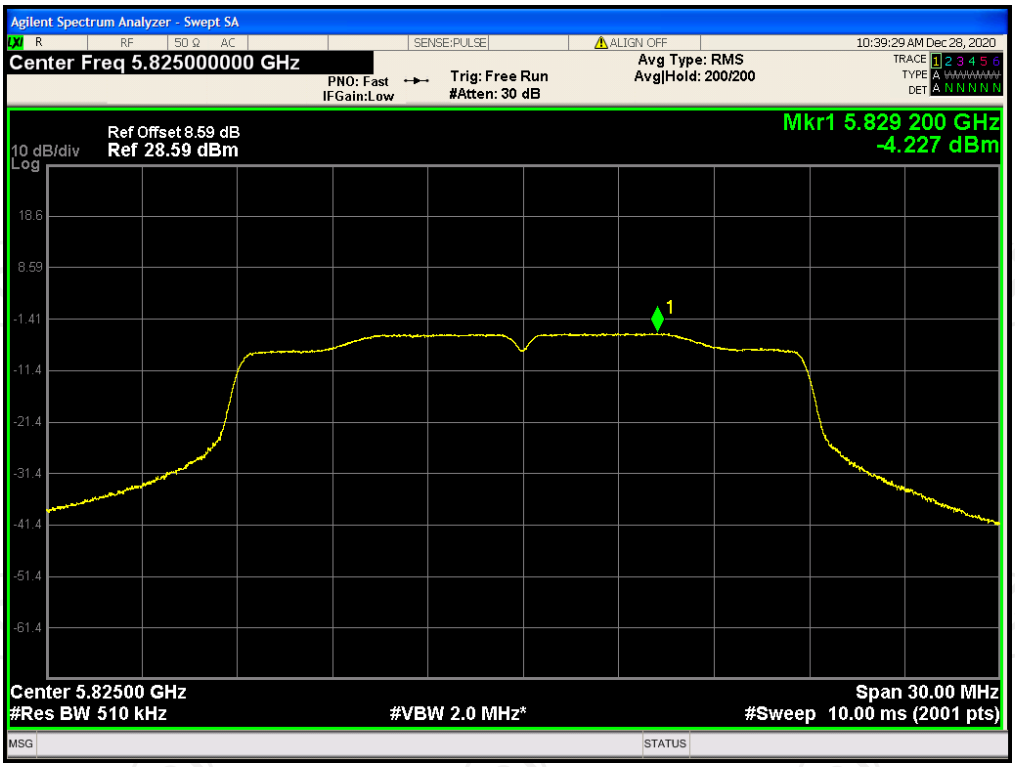
PSD NVNT 802.11ac20 5745MHz Ant1



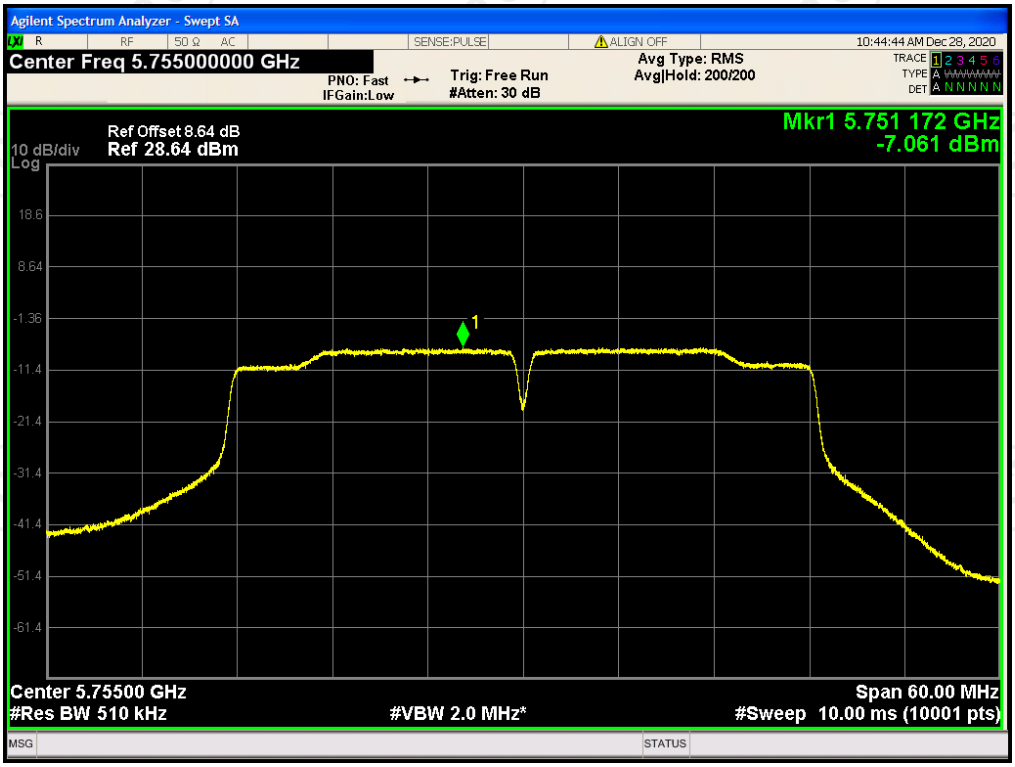
PSD NVNT 802.11ac20 5785MHz Ant1



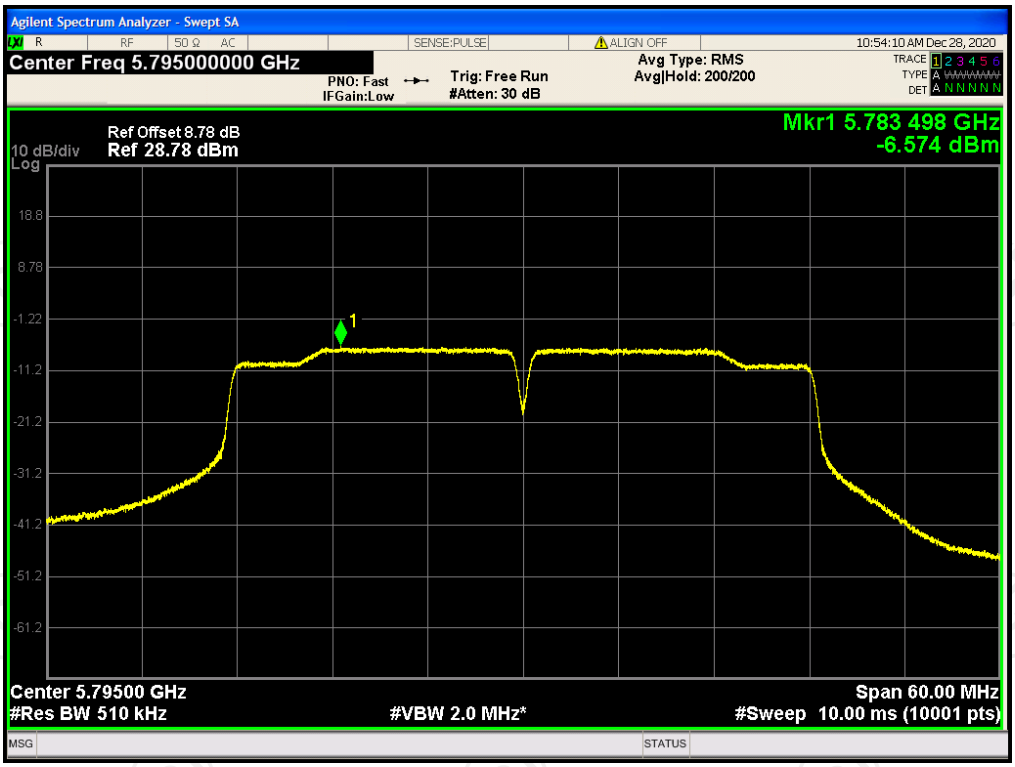
PSD NVNT 802.11ac20 5825MHz Ant1



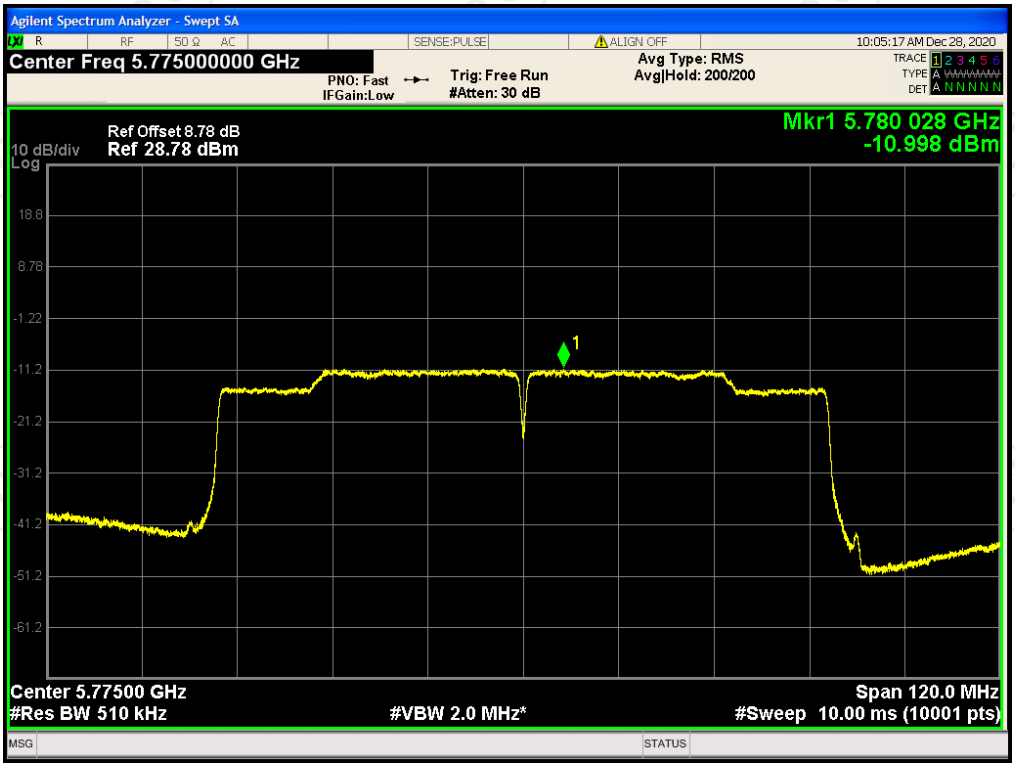
PSD NVNT 802.11ac40 5755MHz Ant1



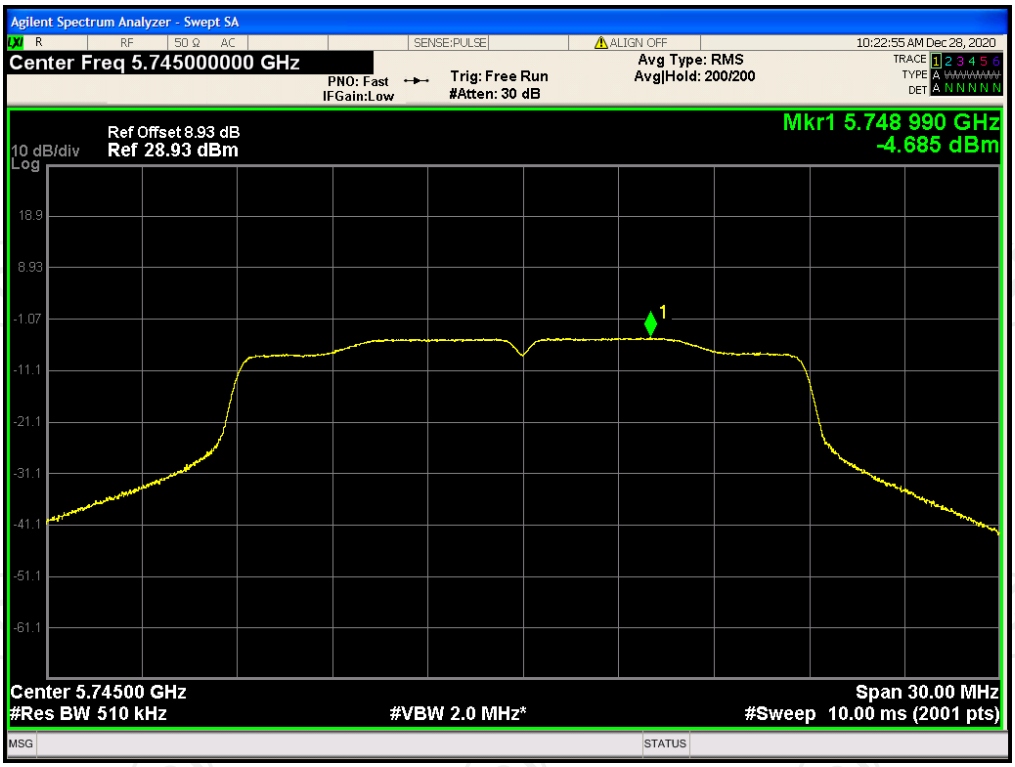
PSD NVNT 802.11ac40 5795MHz Ant1



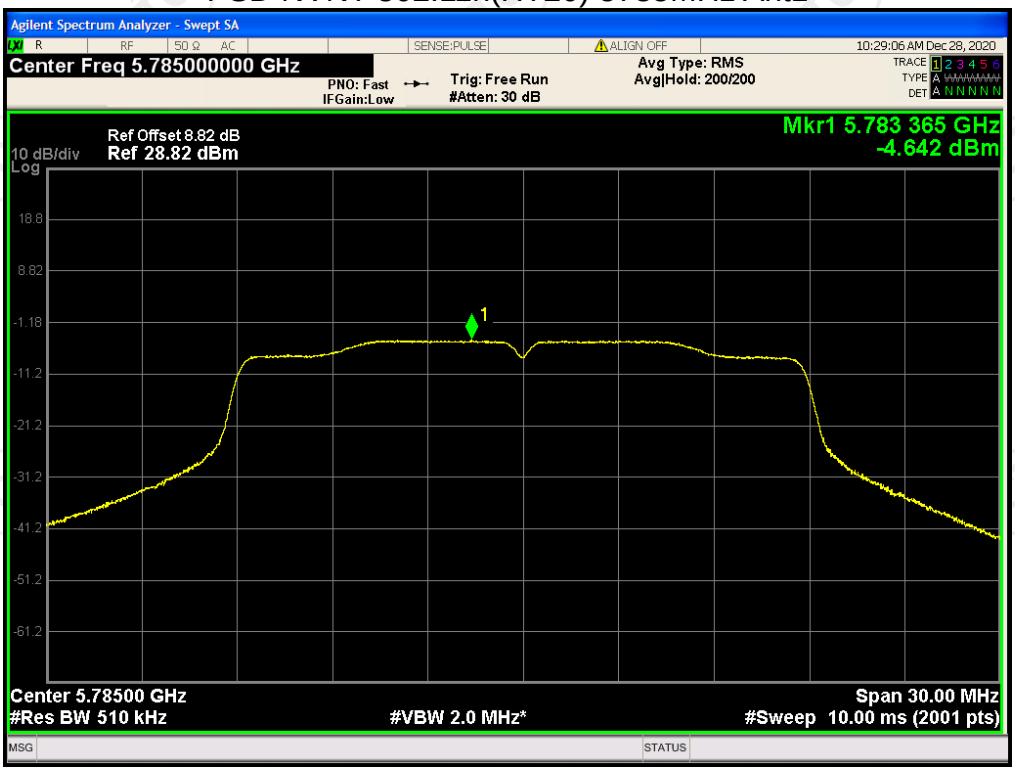
PSD NVNT 802.11ac80 5775MHz Ant1



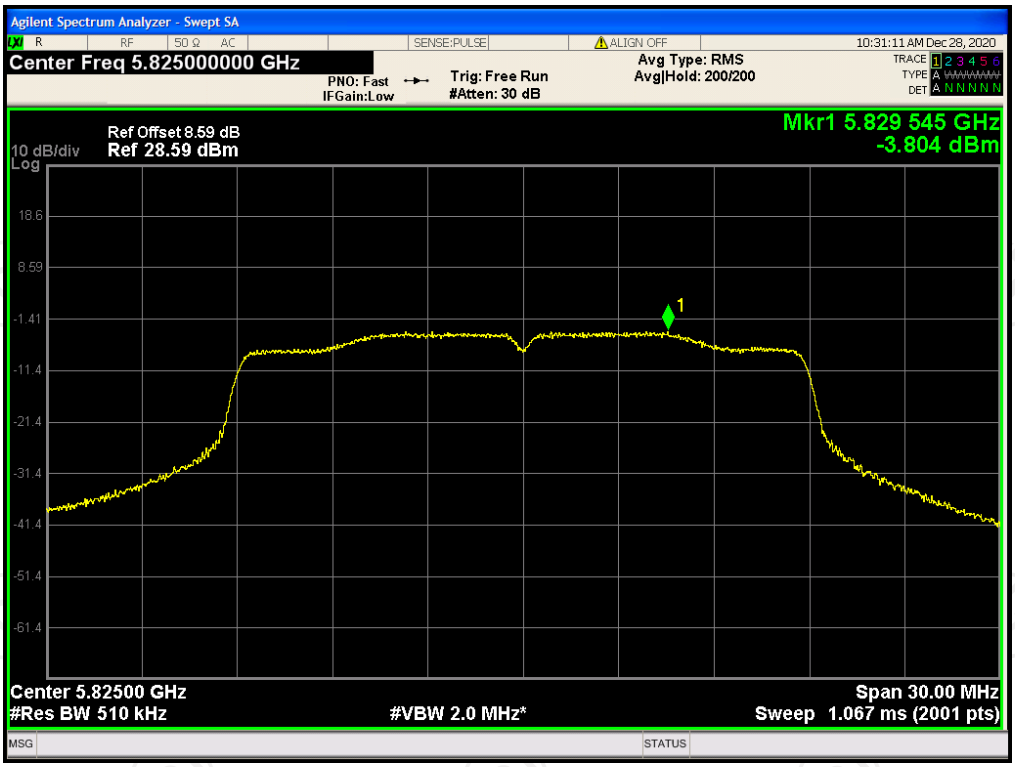
PSD NVNT 802.11n(HT20) 5745MHz Ant1



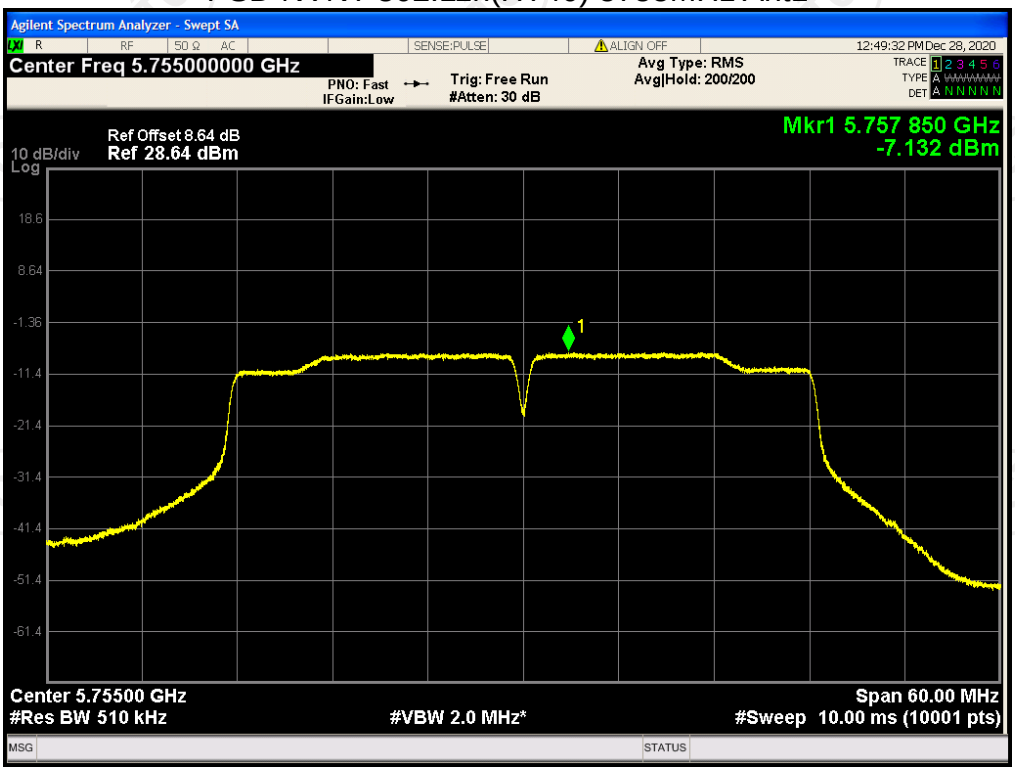
PSD NVNT 802.11n(HT20) 5785MHz Ant1



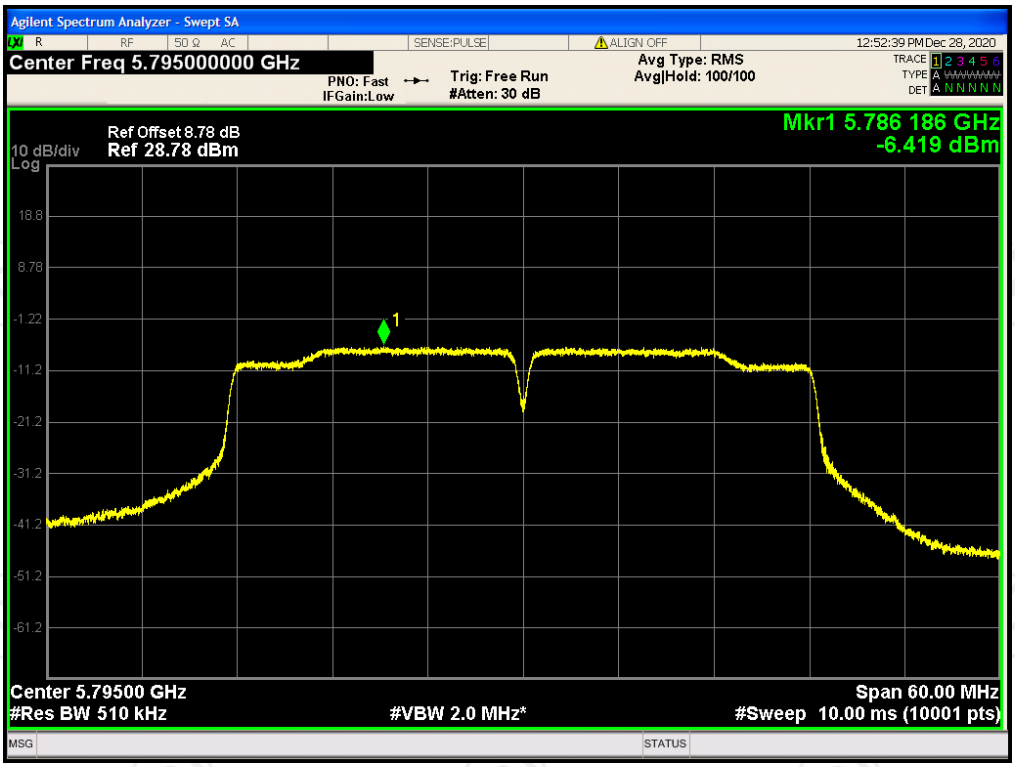
PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



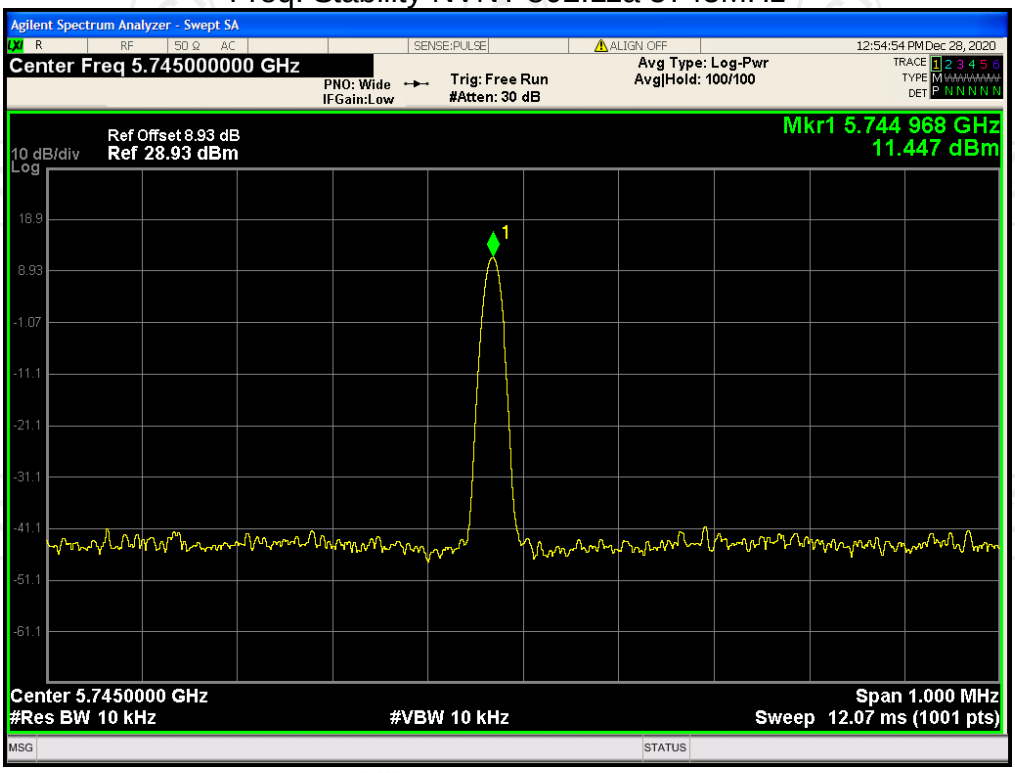
PSD NVNT 802.11n(HT40) 5795MHz Ant1


Agilent Spectrum Analyzer - Swept SA
R
RF
50 Ω AC
SENSE:PULSE
ALIGN OFF
12:52:39 PM Dec 28, 2020
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE A
DET A N N N N N
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Log
Mkr1 5.786 186 GHz
-6.419 dBm
18.8
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
1
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 2.0 MHz*
Span 60.00 MHz
#Sweep 10.00 ms (10001 pts)
MSG
STATUS

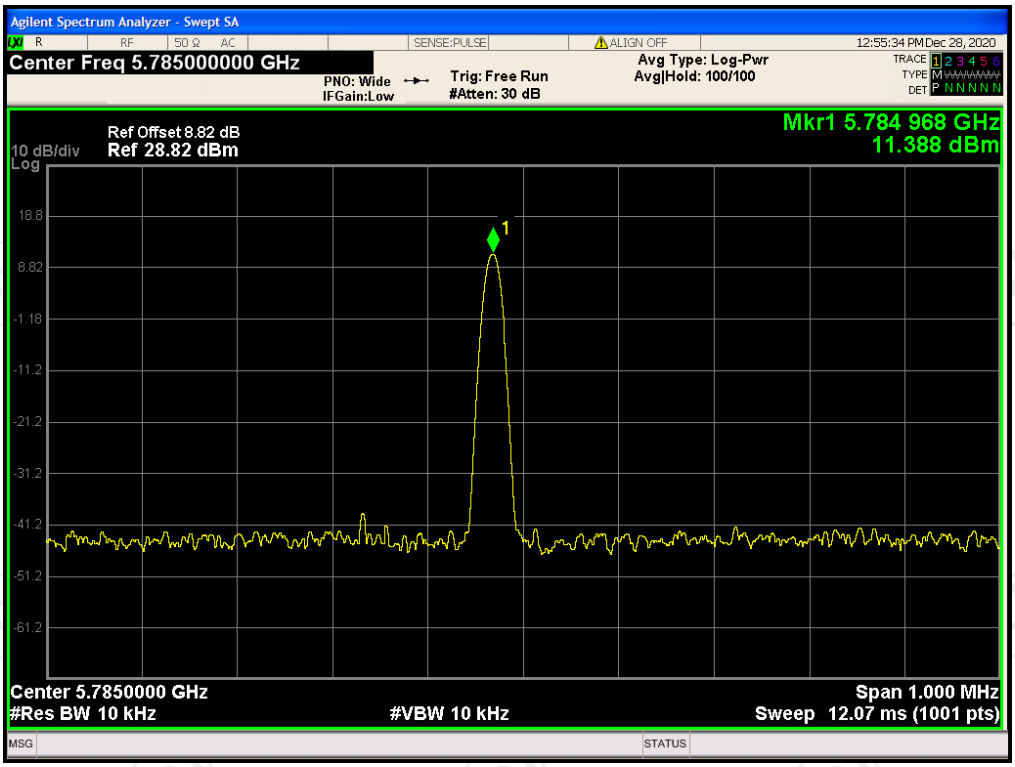
Frequency Stability

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	802.11a	5745	5744.968	-5.57	25	Pass
NVNT	802.11a	5785	5784.968	-5.53	25	Pass
NVNT	802.11a	5825	5824.967	-5.67	25	Pass
NVNT	802.11ac20	5745	5744.967	-5.74	25	Pass
NVNT	802.11ac20	5785	5784.966	-5.88	25	Pass
NVNT	802.11ac20	5825	5824.966	-5.84	25	Pass
NVNT	802.11ac40	5755	5754.967	-5.73	25	Pass
NVNT	802.11ac40	5795	5794.966	-5.87	25	Pass
NVNT	802.11ac80	5775	5774.967	-5.71	25	Pass
NVNT	802.11n(HT20)	5745	5744.967	-5.74	25	Pass
NVNT	802.11n(HT20)	5785	5784.966	-5.88	25	Pass
NVNT	802.11n(HT20)	5825	5824.966	-5.84	25	Pass
NVNT	802.11n(HT40)	5755	5754.967	-5.73	25	Pass
NVNT	802.11n(HT40)	5795	5794.966	-5.87	25	Pass

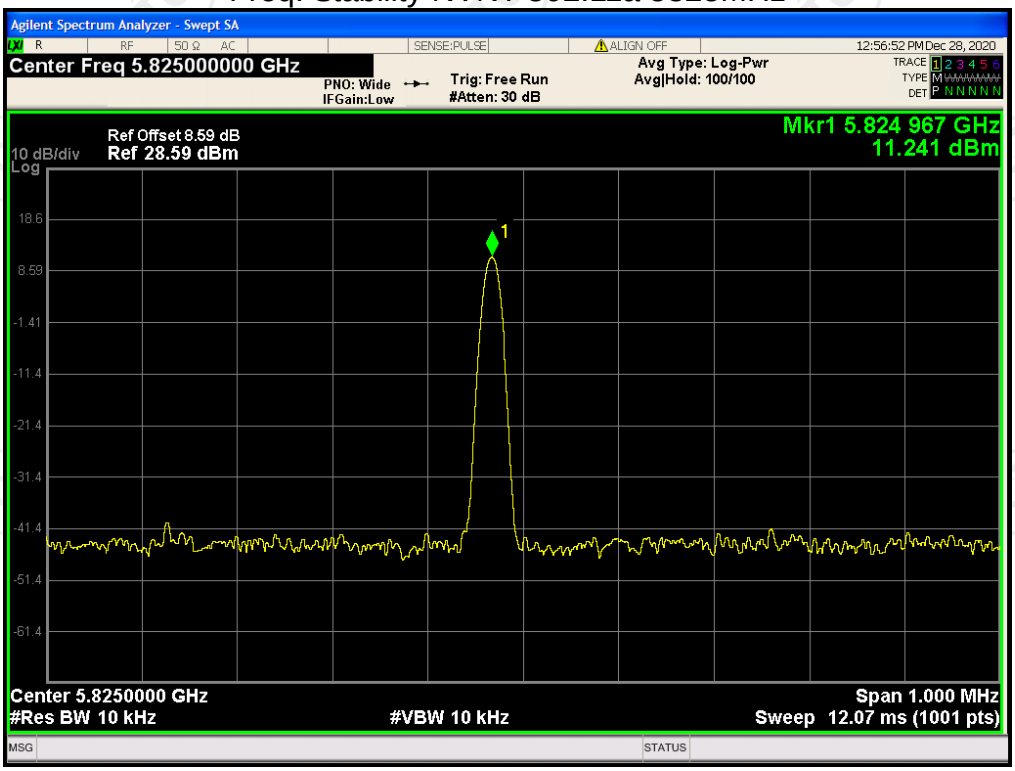
Freq. Stability NVNT 802.11a 5745MHz



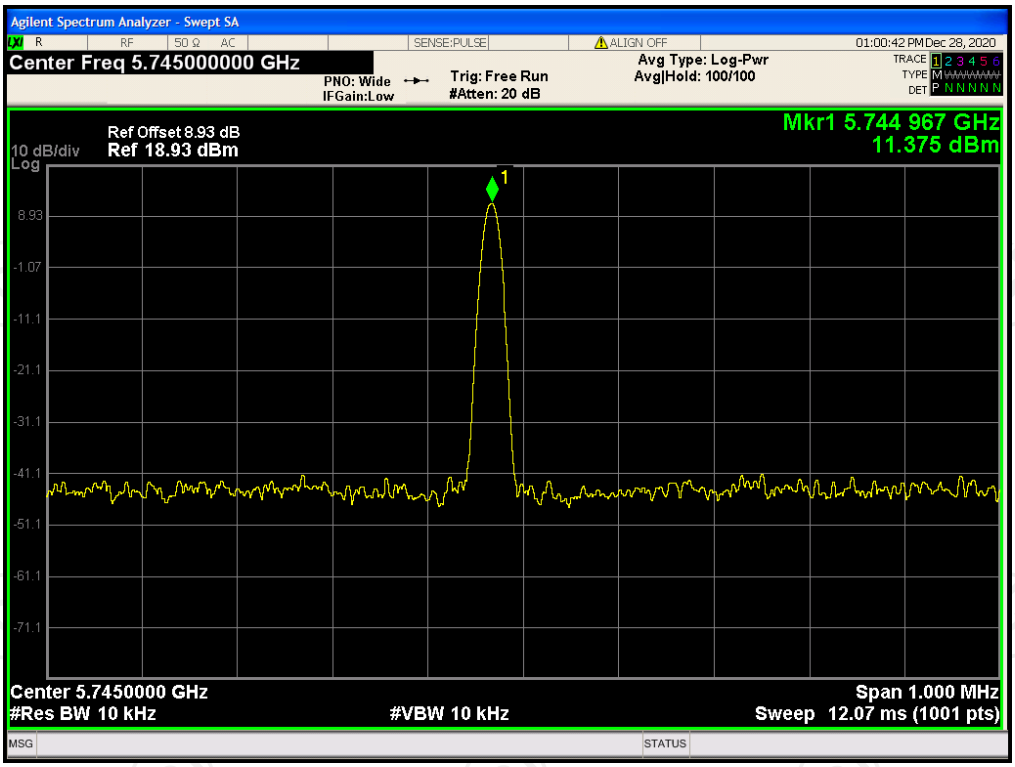
Freq. Stability NVNT 802.11a 5785MHz



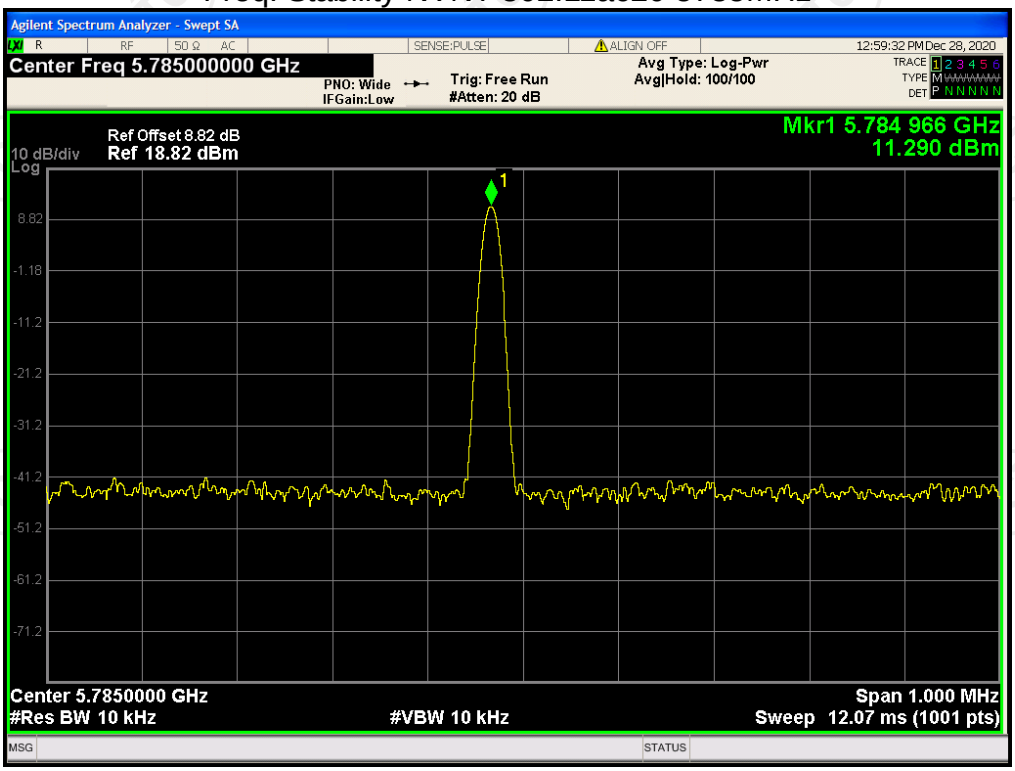
Freq. Stability NVNT 802.11a 5825MHz



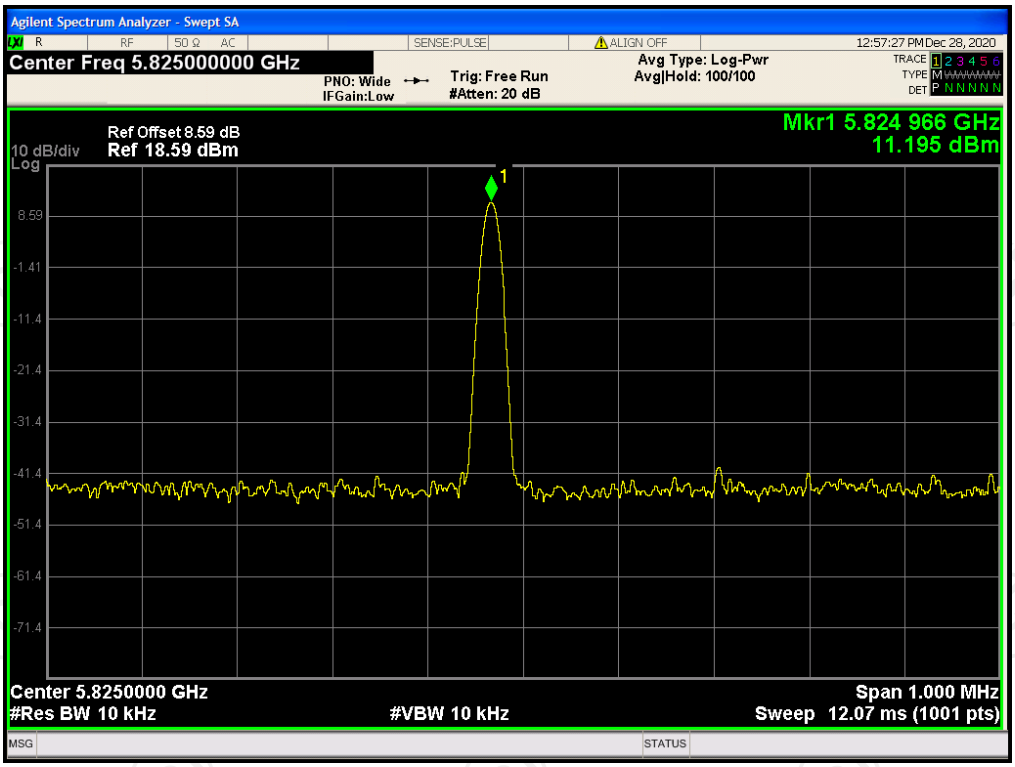
Freq. Stability NVNT 802.11ac20 5745MHz



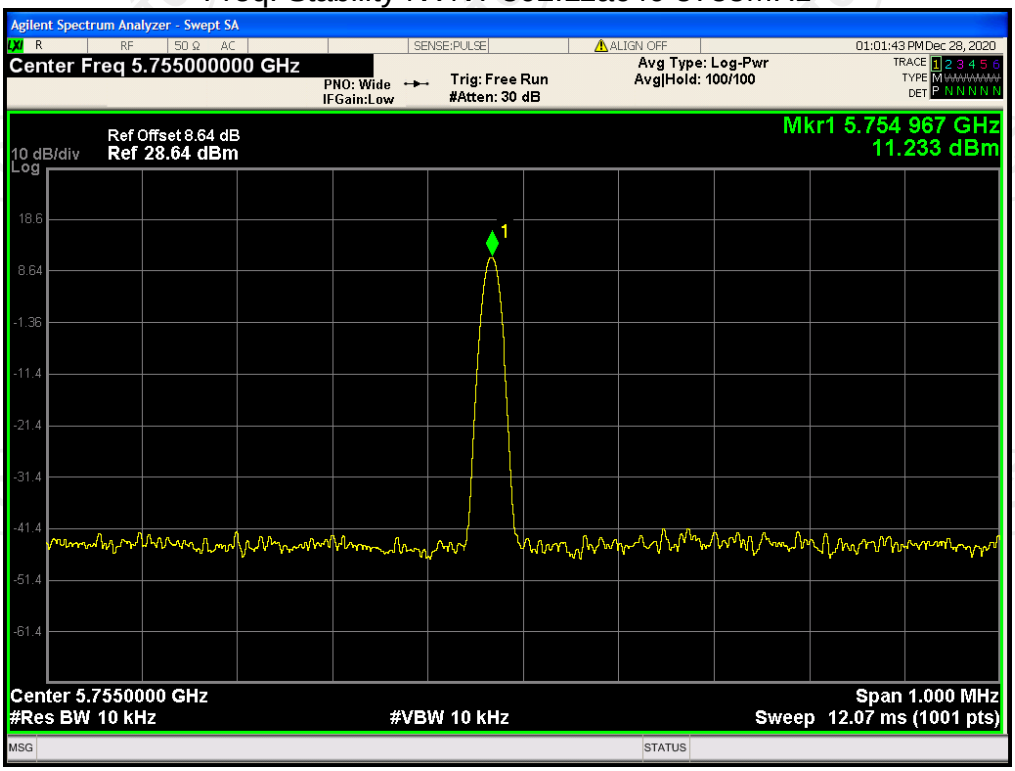
Freq. Stability NVNT 802.11ac20 5785MHz



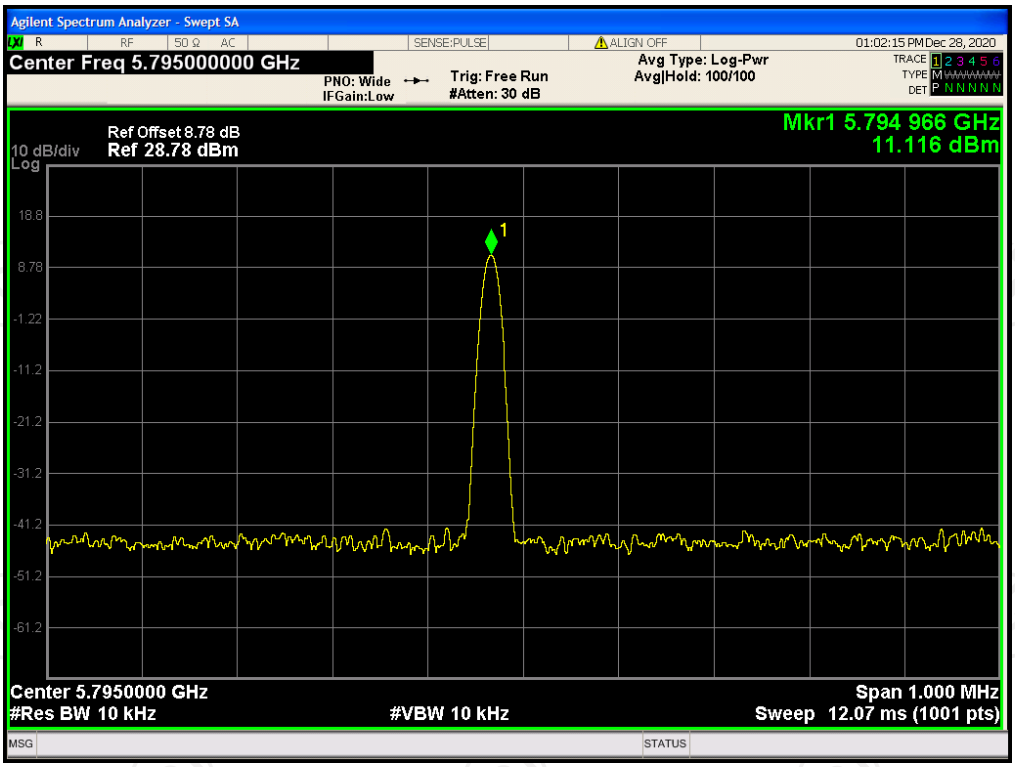
Freq. Stability NVNT 802.11ac20 5825MHz



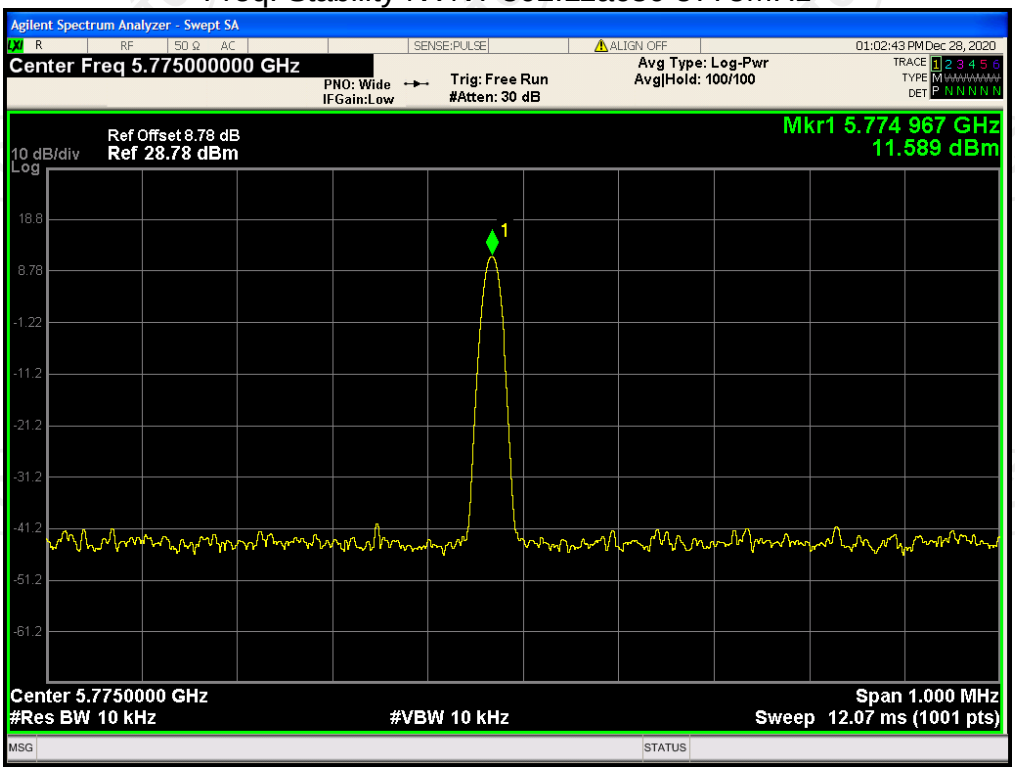
Freq. Stability NVNT 802.11ac40 5755MHz



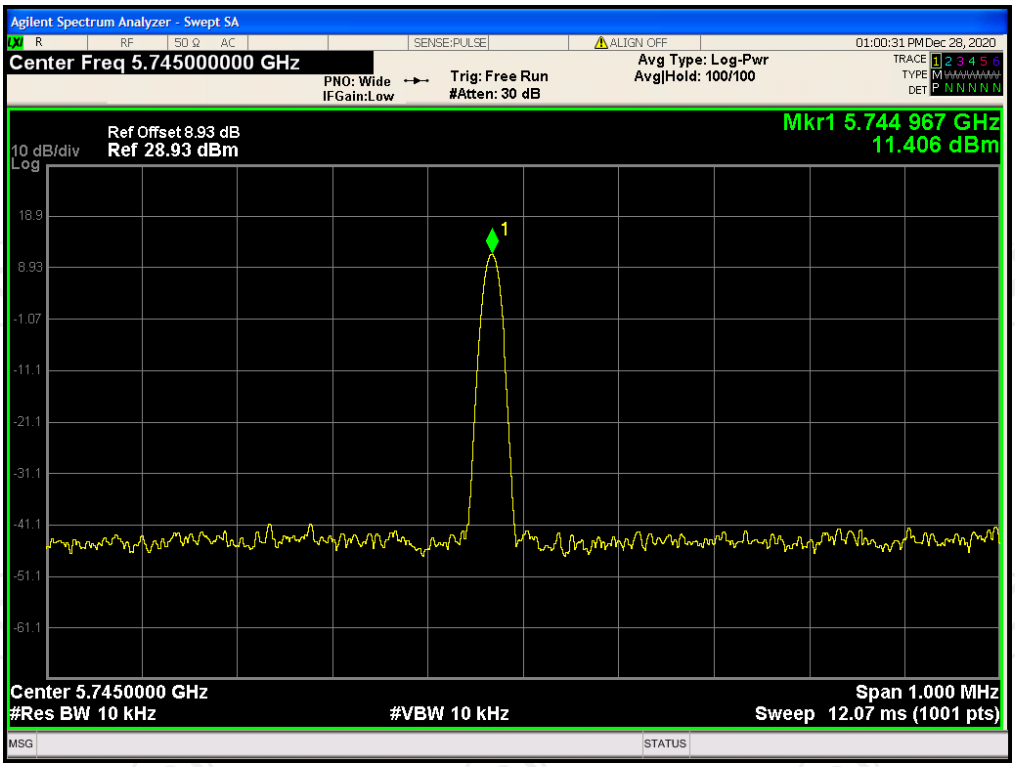
Freq. Stability NVNT 802.11ac40 5795MHz



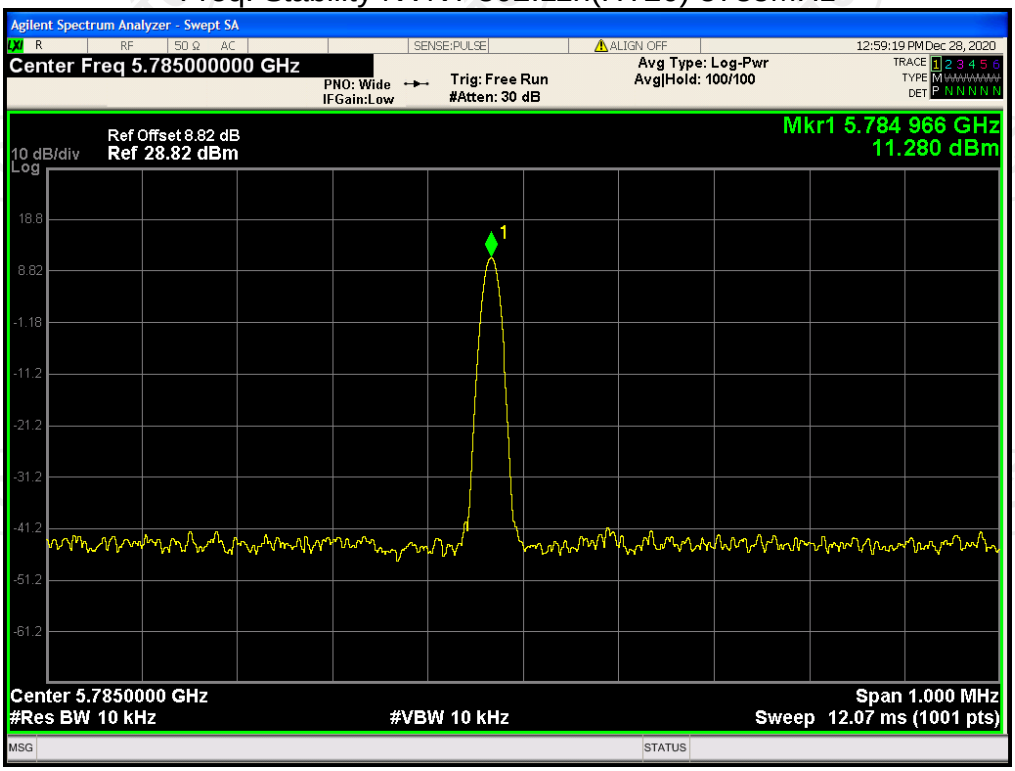
Freq. Stability NVNT 802.11ac80 5775MHz



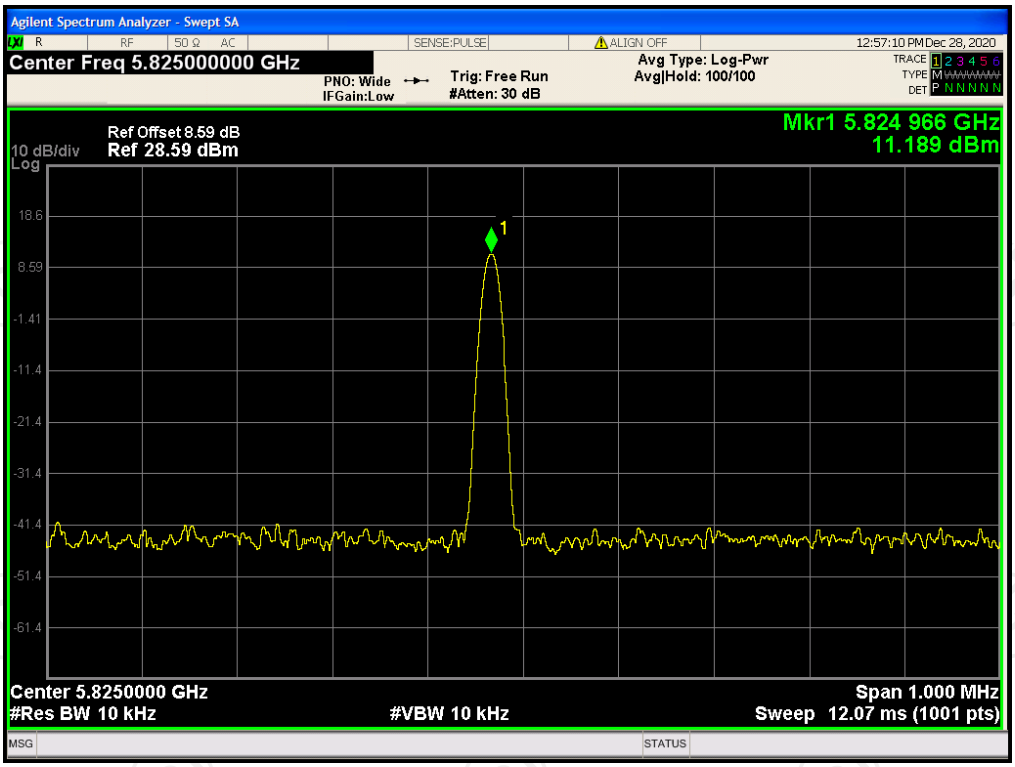
Freq. Stability NVNT 802.11n(HT20) 5745MHz



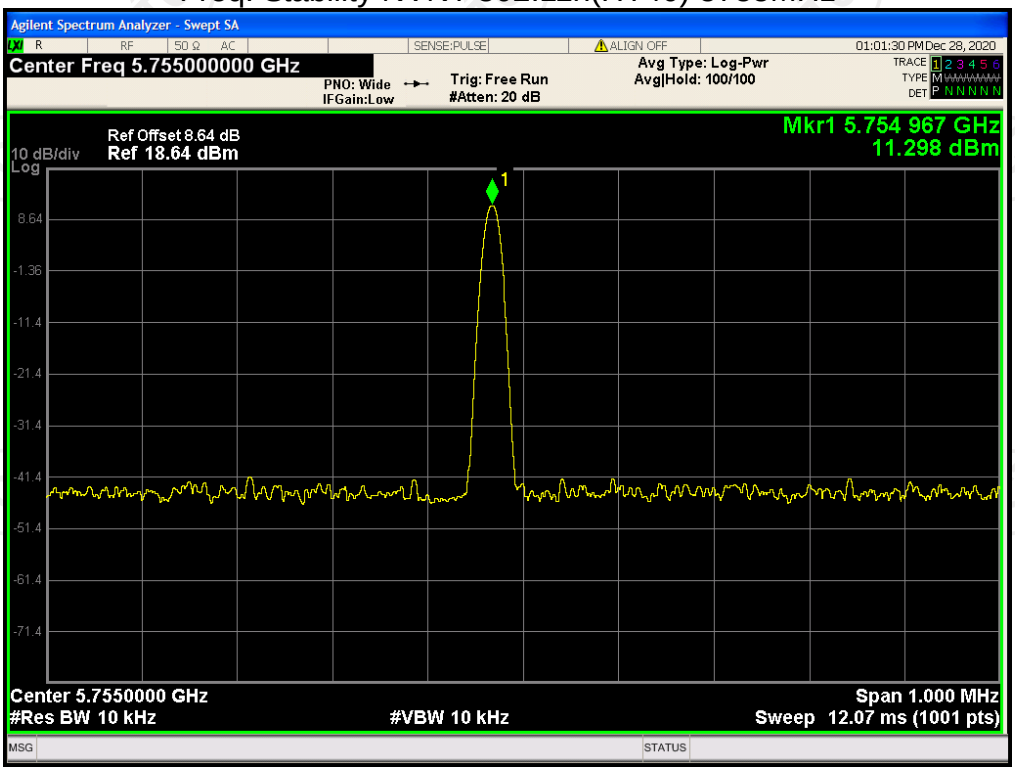
Freq. Stability NVNT 802.11n(HT20) 5785MHz



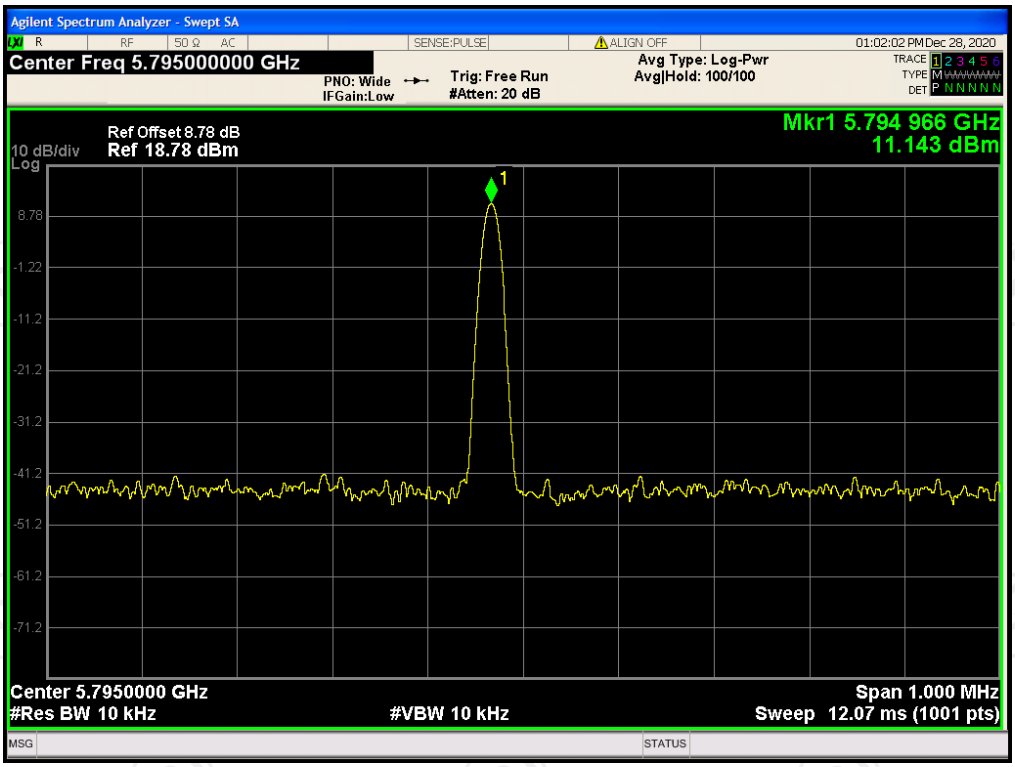
Freq. Stability NVNT 802.11n(HT20) 5825MHz



Freq. Stability NVNT 802.11n(HT40) 5755MHz



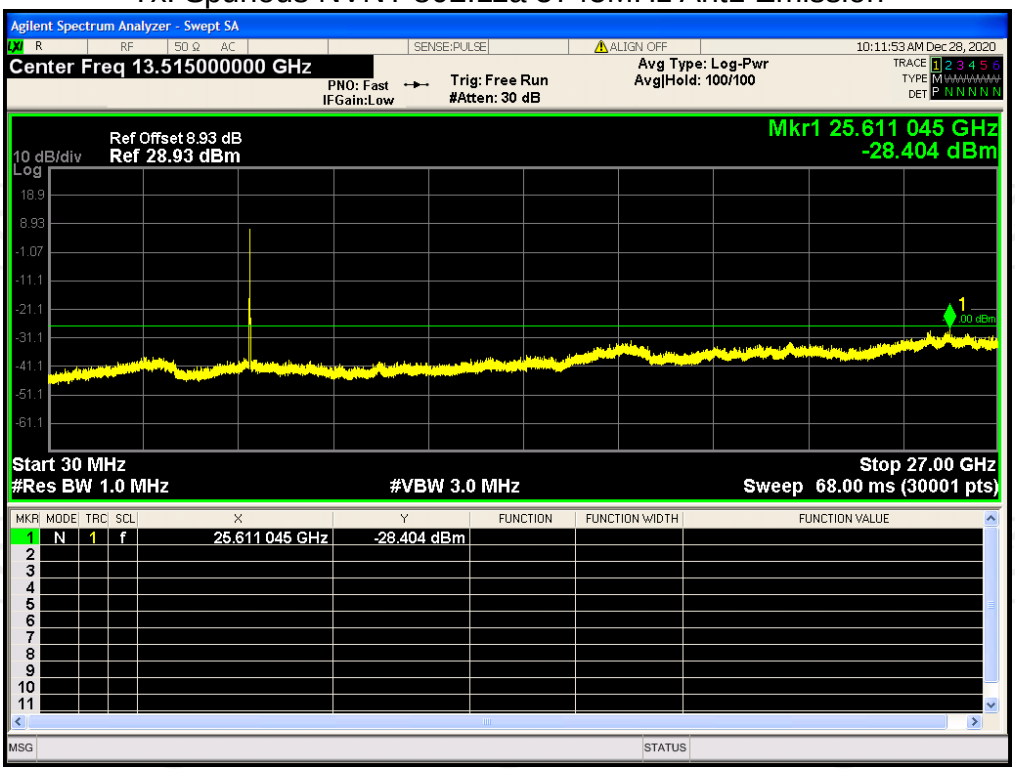
Freq. Stability NVNT 802.11n(HT40) 5795MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
01:02:02 PM Dec 28, 2020
Ref Offset 8.78 dB
10 dB/div
Ref 18.78 dBm
Log
Mkr1 5.794 966 GHz
11.143 dBm
8.78
-1.22
-11.2
-21.2
-31.2
-41.2
-51.2
-61.2
-71.2
Center 5.7950000 GHz
#Res BW 10 kHz
#VBW 10 kHz
Span 1.000 MHz
Sweep 12.07 ms (1001 pts)

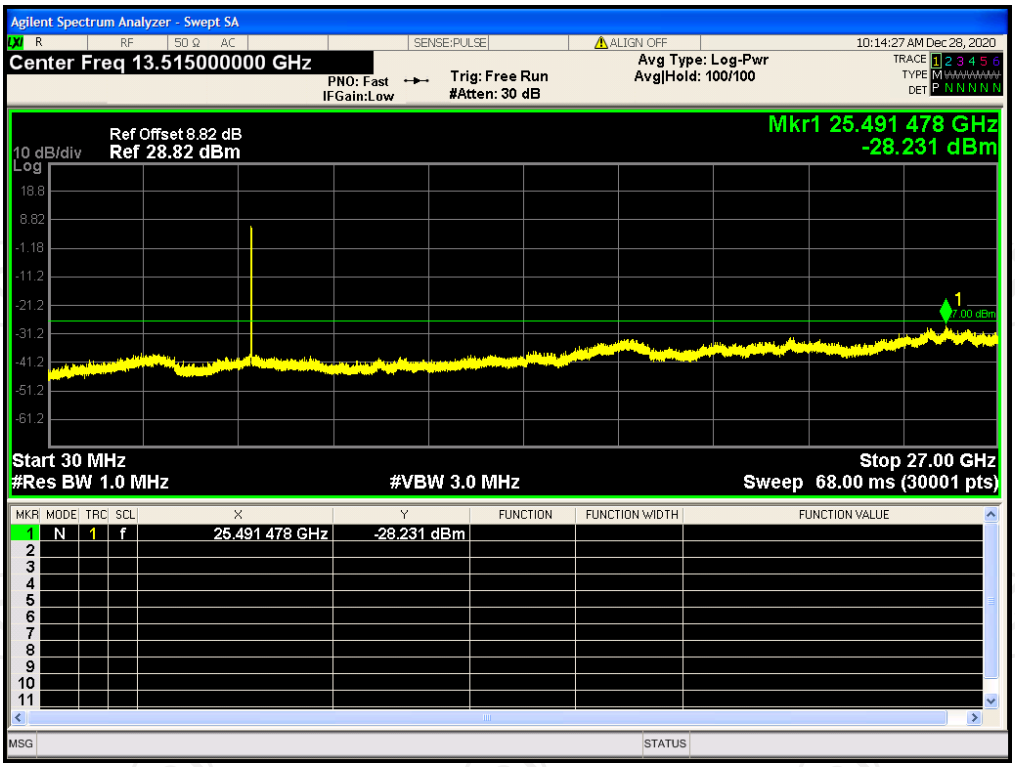
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11a	5745	Ant 1	-28.4	-27	Pass
NVNT	802.11a	5785	Ant 1	-28.23	-27	Pass
NVNT	802.11a	5825	Ant 1	-29.37	-27	Pass
NVNT	802.11ac20	5745	Ant 1	-28.72	-27	Pass
NVNT	802.11ac20	5785	Ant 1	-28.73	-27	Pass
NVNT	802.11ac20	5825	Ant 1	-28.33	-27	Pass
NVNT	802.11ac40	5755	Ant 1	-28.60	-27	Pass
NVNT	802.11ac40	5795	Ant 1	-27.94	-27	Pass
NVNT	802.11ac80	5775	Ant 1	-28.97	-27	Pass
NVNT	802.11n(HT20)	5745	Ant 1	-29.02	-27	Pass
NVNT	802.11n(HT20)	5785	Ant 1	-29.30	-27	Pass
NVNT	802.11n(HT20)	5825	Ant 1	-29.25	-27	Pass
NVNT	802.11n(HT40)	5755	Ant 1	-28.81	-27	Pass
NVNT	802.11n(HT40)	5795	Ant 1	-28.35	-27	Pass

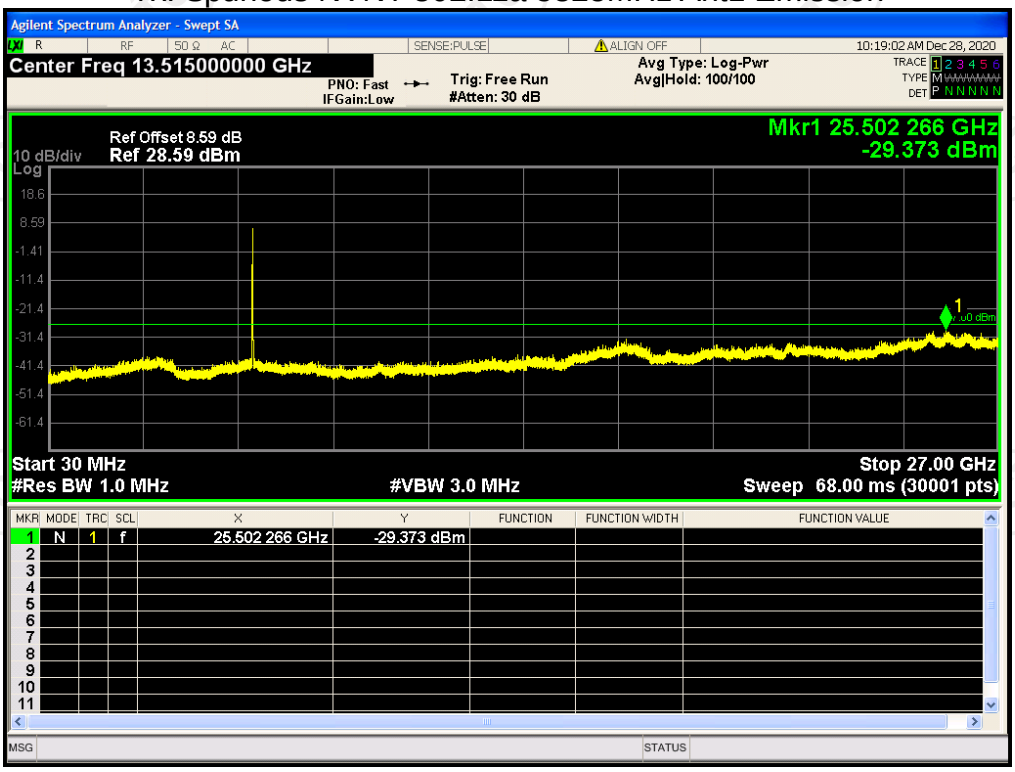
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



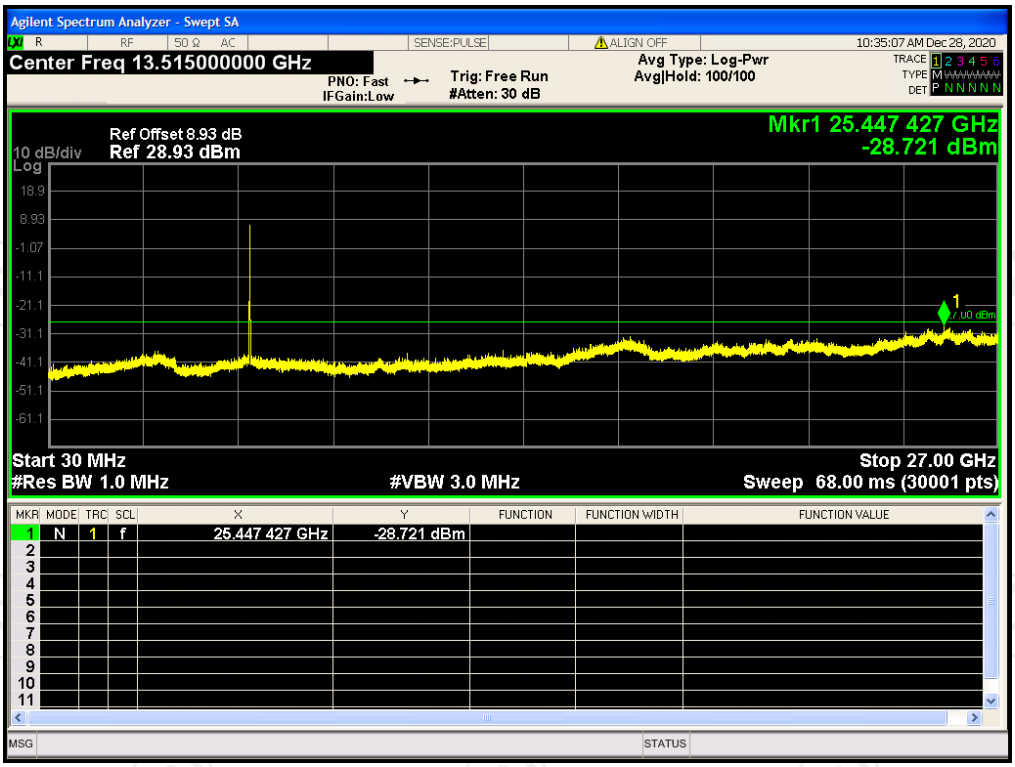
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



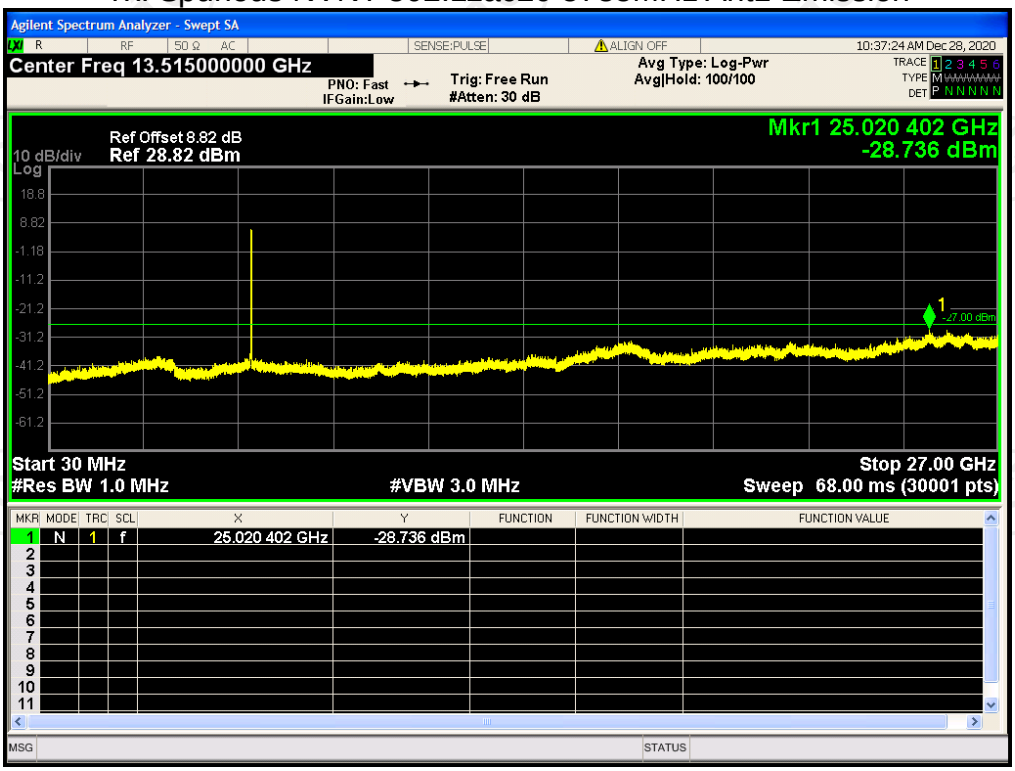
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



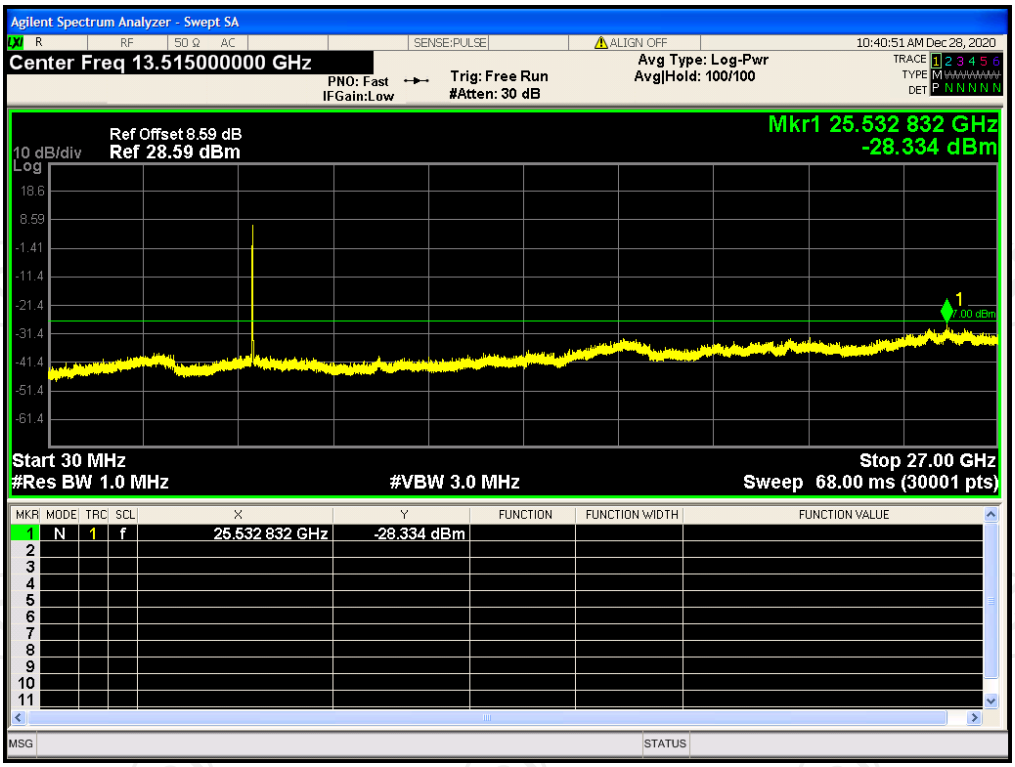
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



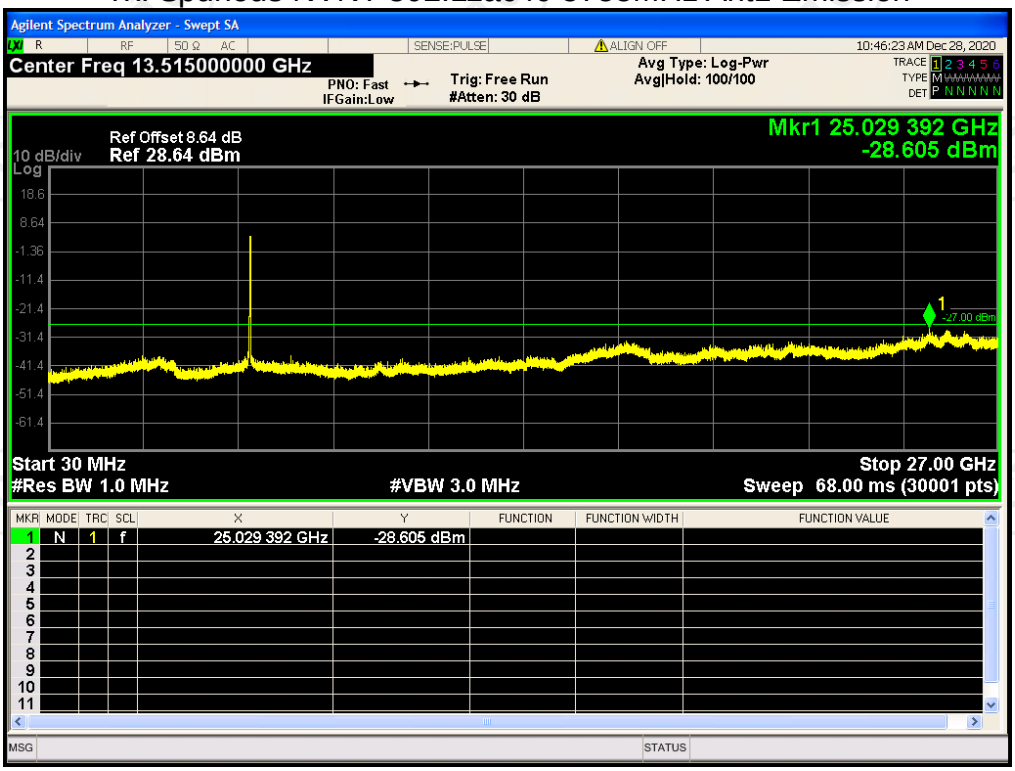
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



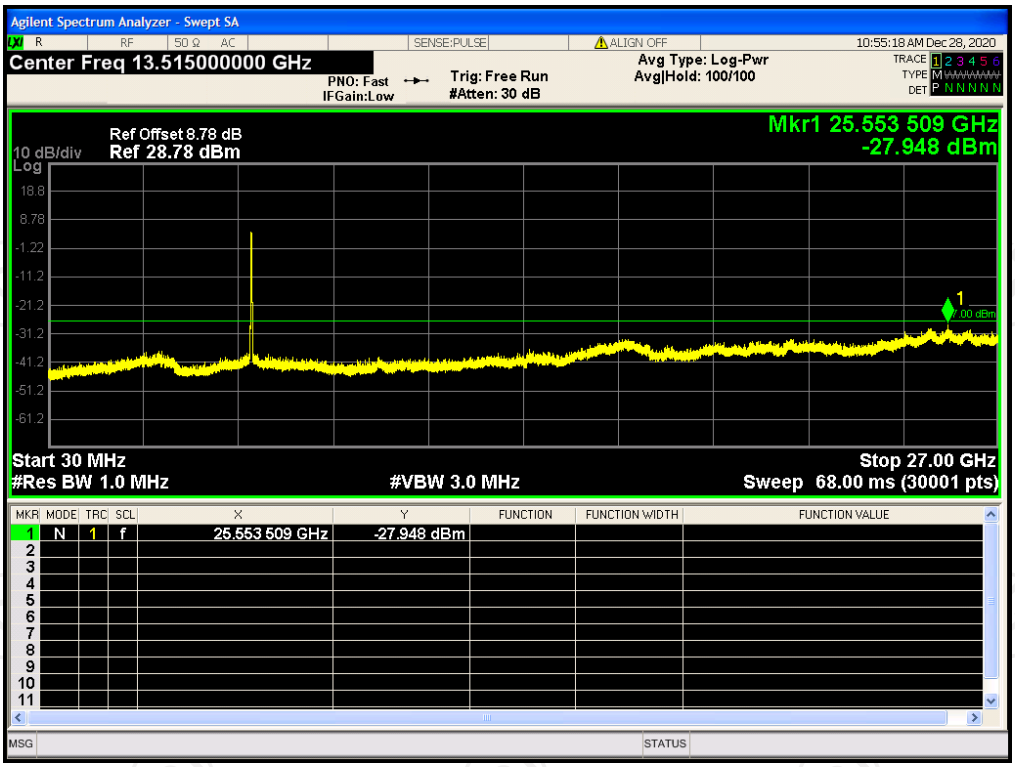
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



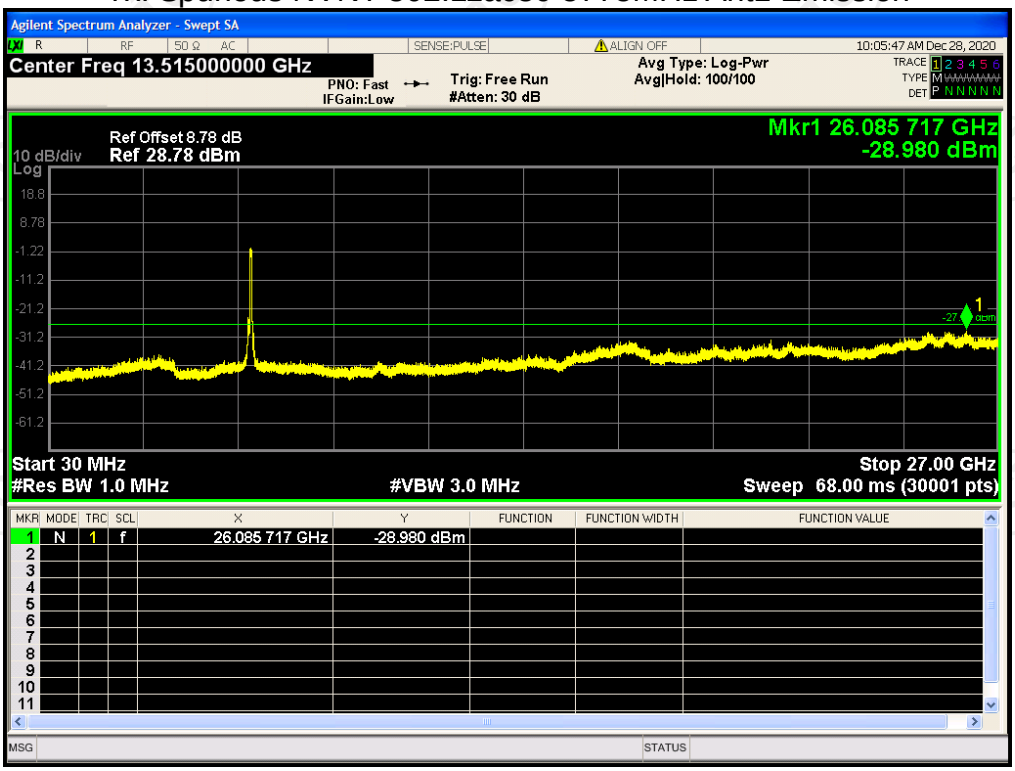
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



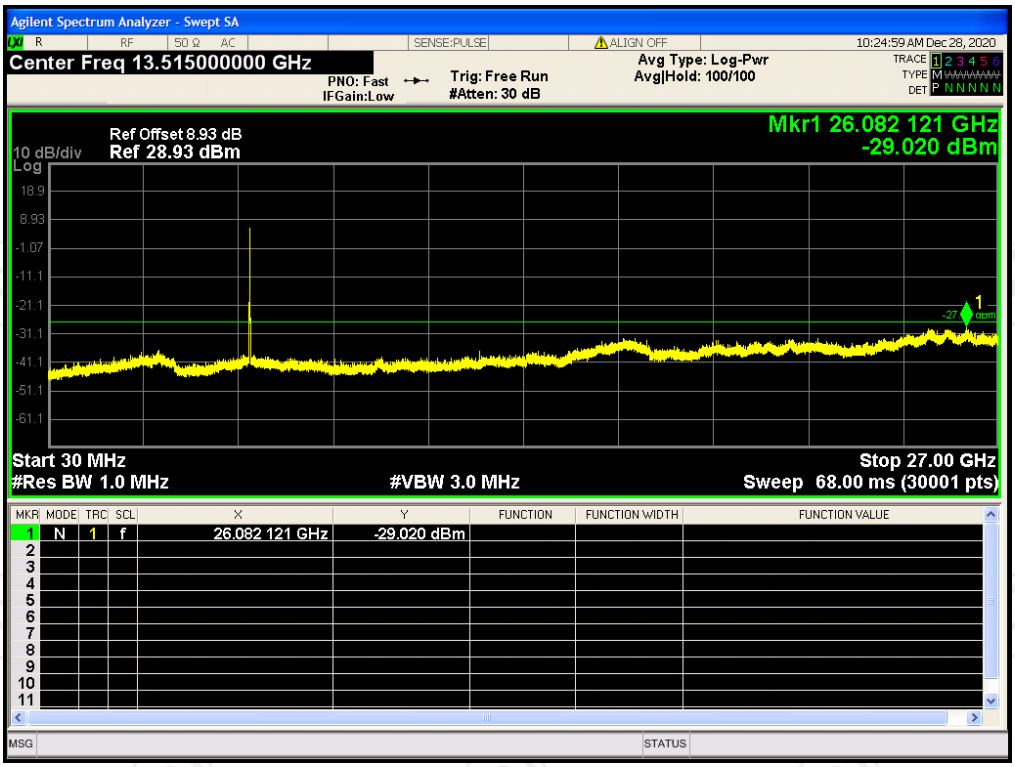
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



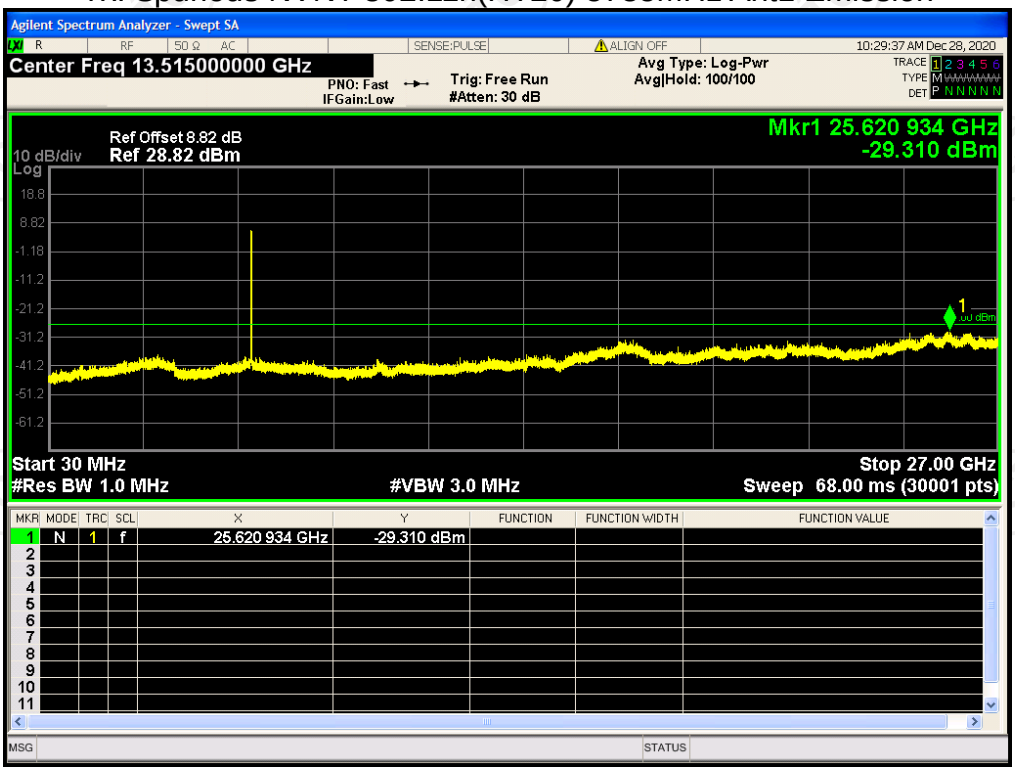
Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission



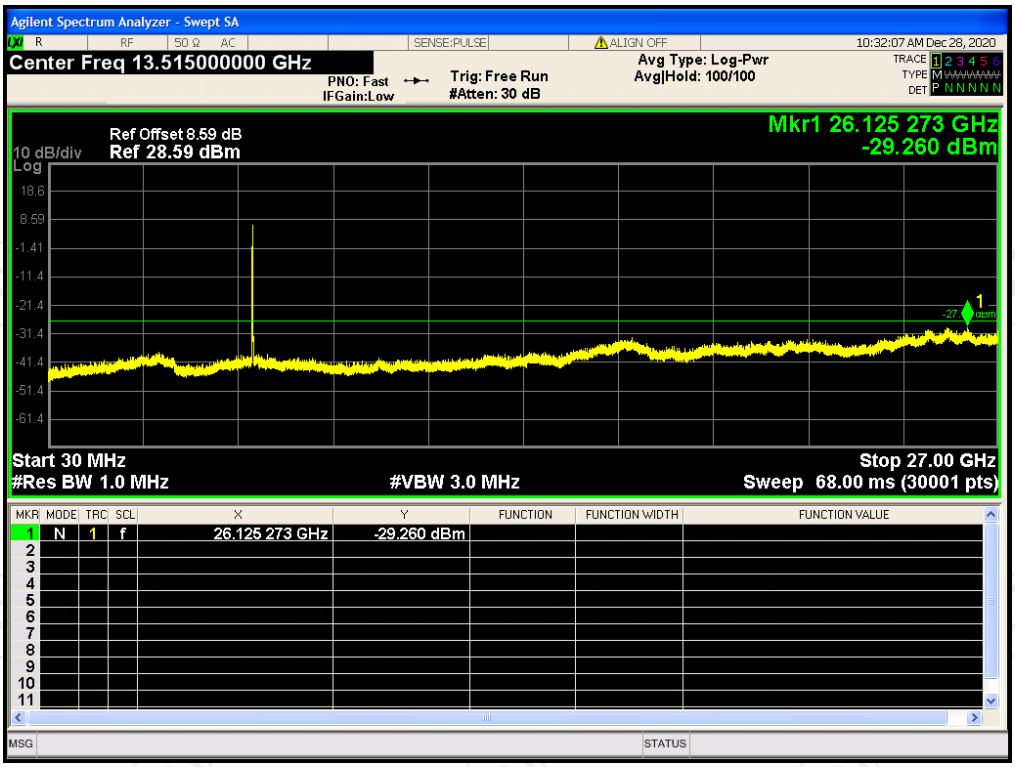
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission



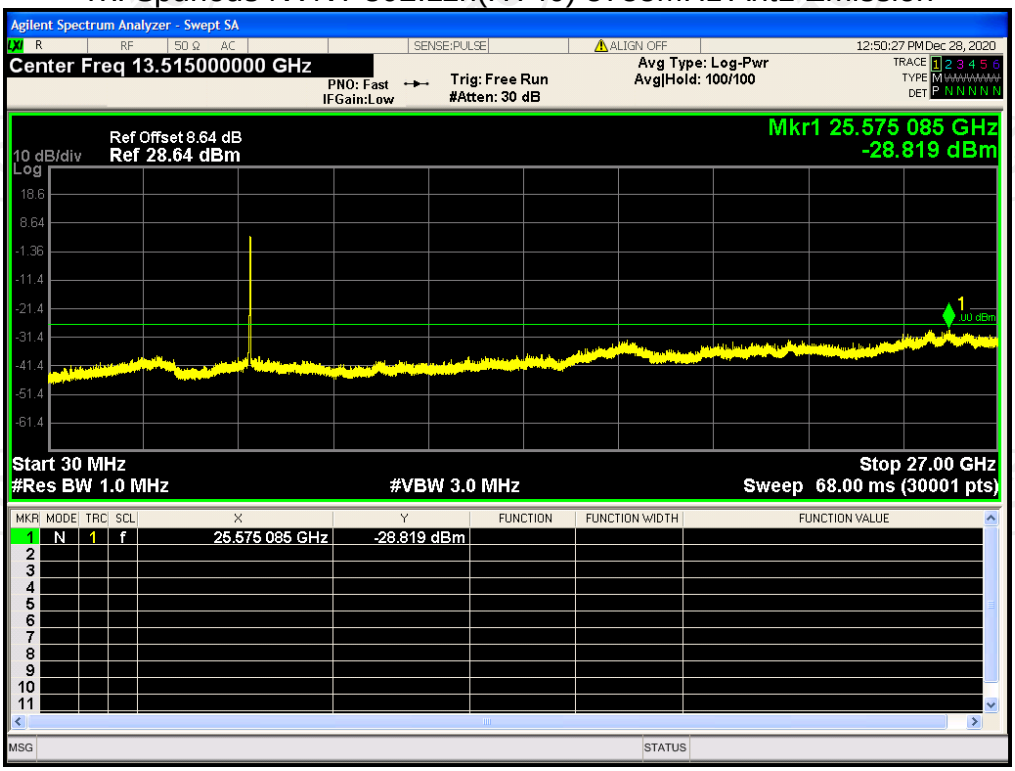
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission



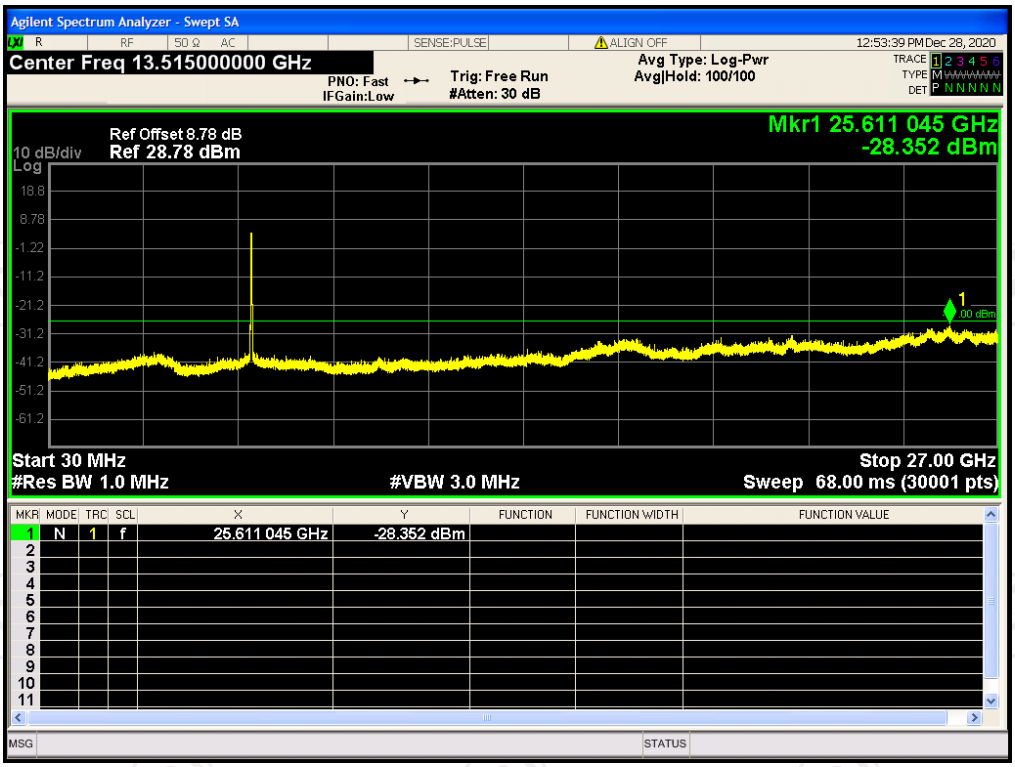
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz 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
12:53:39 PM Dec 28, 2020
Ref Offset 8.78 dB
10 dB/div
Ref 28.78 dBm
Mkr1 25.611 045 GHz
-28.352 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 25.611 045 GHz -28.352 dBm

Appendix B: Photographs of Test Setup

Refer to the test report No. TCT201215E026

Appendix C: Photographs of EUT

Refer to the test report No. TCT201215E026

*******END OF REPORT*******