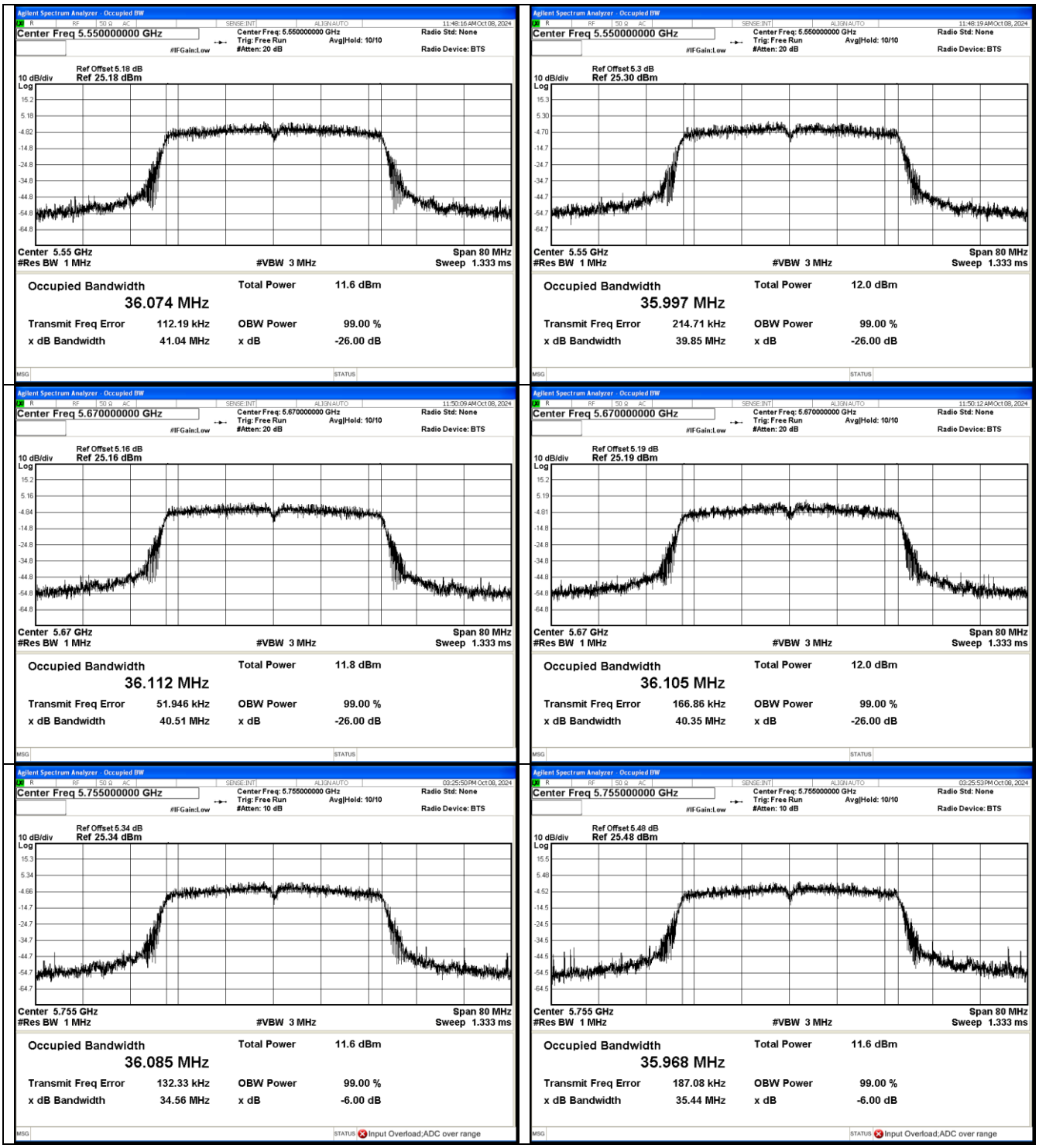
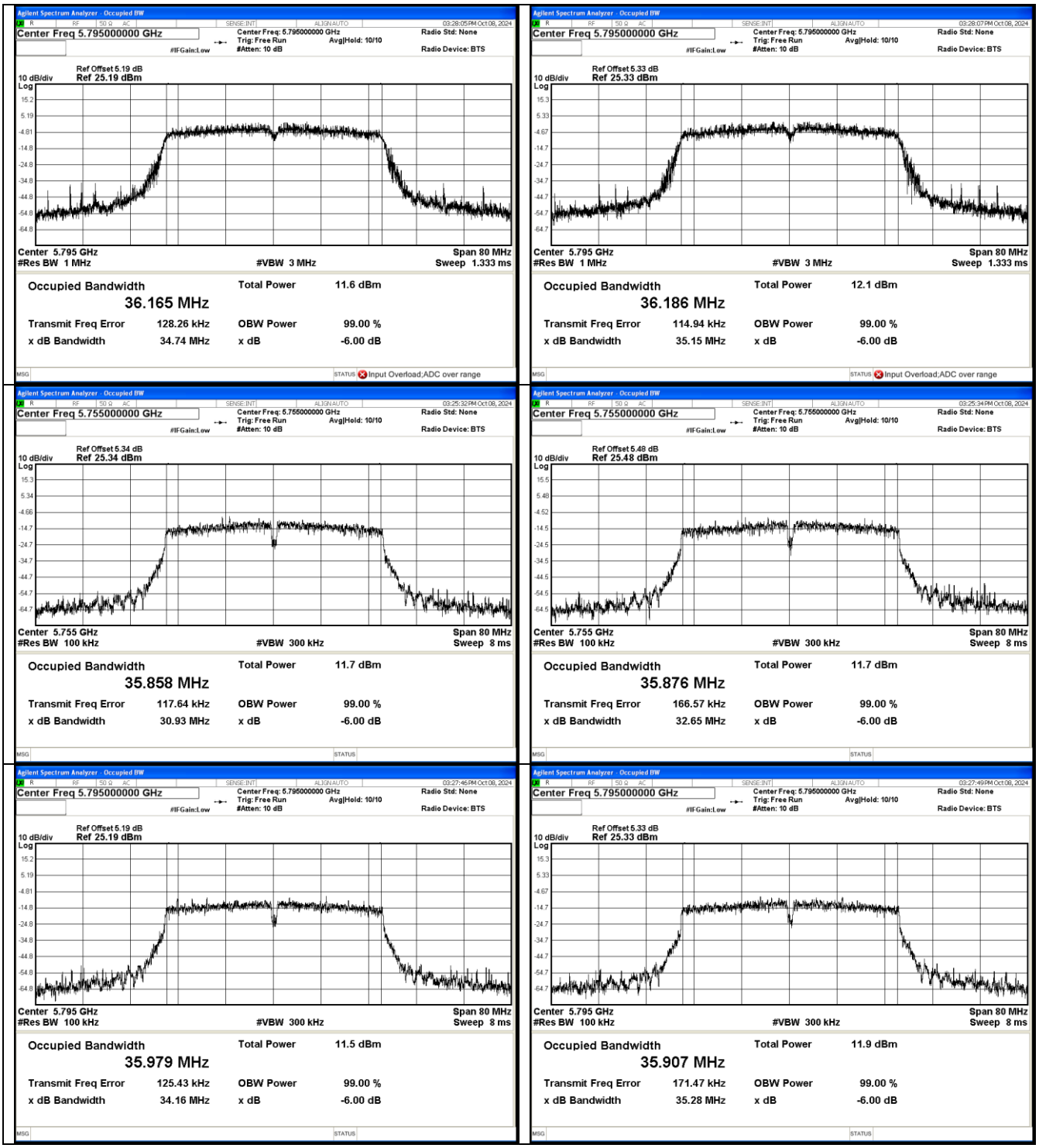
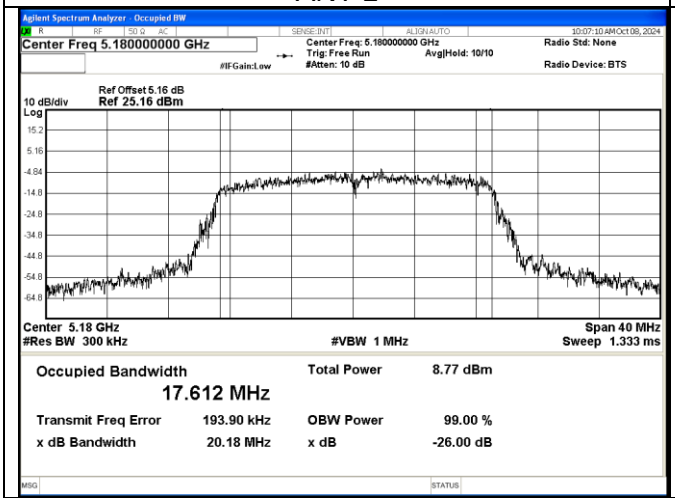

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.550000000 GHz
Center Freq: 5.550000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
11:48:16 AM Oct 08, 2024
Ref Offset 5.18 dB
10 dB/div
Ref 25.18 dBm
Log
Center 5.55 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.074 MHz
Total Power 11.6 dBm
Transmit Freq Error 112.19 kHz
OBW Power 99.00 %
x dB Bandwidth 41.04 MHz
x dB -26.00 dB
MSG
STATUS
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.550000000 GHz
Center Freq: 5.550000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
11:48:19 AM Oct 08, 2024
Ref Offset 5.3 dB
10 dB/div
Ref 25.30 dBm
Log
Center 5.55 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.997 MHz
Total Power 12.0 dBm
Transmit Freq Error 214.71 kHz
OBW Power 99.00 %
x dB Bandwidth 39.85 MHz
x dB -26.00 dB
MSG
STATUS
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
11:50:09 AM Oct 08, 2024
Ref Offset 5.16 dB
10 dB/div
Ref 25.16 dBm
Log
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.112 MHz
Total Power 11.8 dBm
Transmit Freq Error 51.946 kHz
OBW Power 99.00 %
x dB Bandwidth 40.51 MHz
x dB -26.00 dB
MSG
STATUS
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
11:50:12 AM Oct 08, 2024
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.105 MHz
Total Power 12.0 dBm
Transmit Freq Error 166.86 kHz
OBW Power 99.00 %
x dB Bandwidth 40.35 MHz
x dB -26.00 dB
MSG
STATUS
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:25:50 PM Oct 08, 2024
Ref Offset 5.34 dB
10 dB/div
Ref 25.34 dBm
Log
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.085 MHz
Total Power 11.6 dBm
Transmit Freq Error 132.33 kHz
OBW Power 99.00 %
x dB Bandwidth 34.56 MHz
x dB -6.00 dB
MSG
STATUS Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:25:53 PM Oct 08, 2024
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Log
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.968 MHz
Total Power 11.6 dBm
Transmit Freq Error 187.08 kHz
OBW Power 99.00 %
x dB Bandwidth 35.44 MHz
x dB -6.00 dB
MSG
STATUS Input Overload;ADC over range

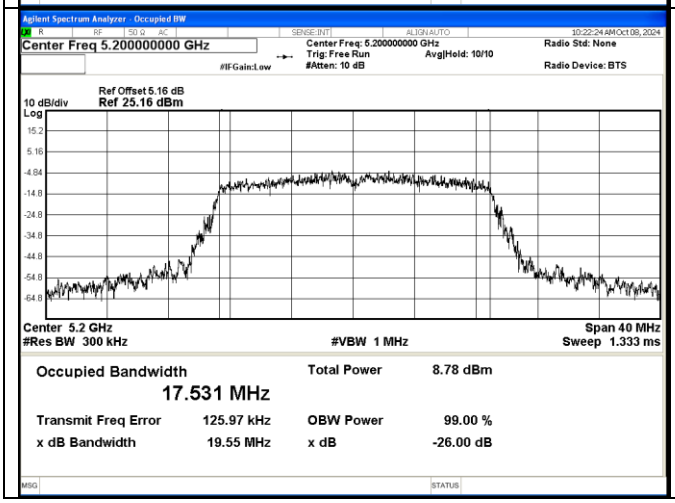

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:28:05 PM Oct 08, 2024
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.165 MHz
Total Power 11.6 dBm
Transmit Freq Error 128.26 kHz
OBW Power 99.00 %
x dB Bandwidth 34.74 MHz
x dB -6.00 dB
Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:28:07 PM Oct 08, 2024
Ref Offset 5.33 dB
10 dB/div
Ref 25.33 dBm
Log
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.186 MHz
Total Power 12.1 dBm
Transmit Freq Error 114.94 kHz
OBW Power 99.00 %
x dB Bandwidth 35.15 MHz
x dB -6.00 dB
Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:25:32 PM Oct 08, 2024
Ref Offset 5.34 dB
10 dB/div
Ref 25.34 dBm
Log
Center 5.755 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.858 MHz
Total Power 11.7 dBm
Transmit Freq Error 117.64 kHz
OBW Power 99.00 %
x dB Bandwidth 30.93 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:25:34 PM Oct 08, 2024
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Log
Center 5.755 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.876 MHz
Total Power 11.7 dBm
Transmit Freq Error 166.57 kHz
OBW Power 99.00 %
x dB Bandwidth 32.65 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:27:46 PM Oct 08, 2024
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.979 MHz
Total Power 11.5 dBm
Transmit Freq Error 125.43 kHz
OBW Power 99.00 %
x dB Bandwidth 34.16 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:27:49 PM Oct 08, 2024
Ref Offset 5.33 dB
10 dB/div
Ref 25.33 dBm
Log
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.907 MHz
Total Power 11.9 dBm
Transmit Freq Error 171.47 kHz
OBW Power 99.00 %
x dB Bandwidth 35.28 MHz
x dB -6.00 dB

802.11ac VHT20 mode:					
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
36	5180	17.612	20.18	17.528	19.74
44	5200	17.531	19.55	17.512	19.70
48	5240	17.503	20.12	17.499	19.45
52	5260	17.580	20.10	17.547	20.03
56	5300	17.585	20.02	17.589	19.71
64	5320	17.581	20.21	17.599	19.86
100	5500	17.546	19.94	17.604	19.91
116	5580	17.575	20.13	17.599	19.81
140	5700	17.527	20.09	17.582	19.69

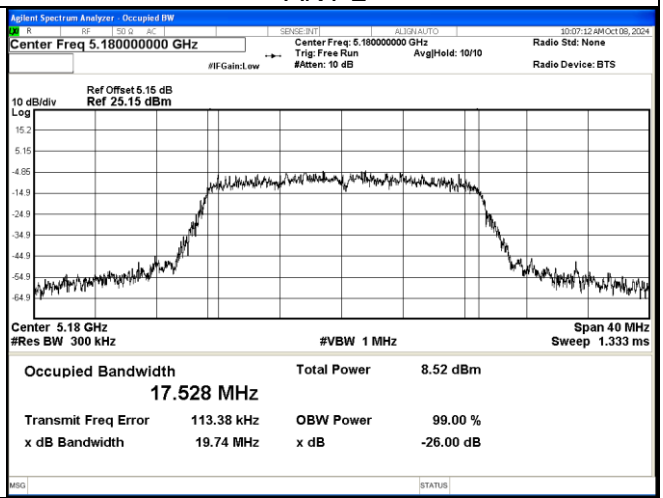
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
149	5745	17.543	17.30	17.571	17.37
157	5785	17.577	17.08	17.517	13.53
165	5825	17.621	12.74	17.548	15.35

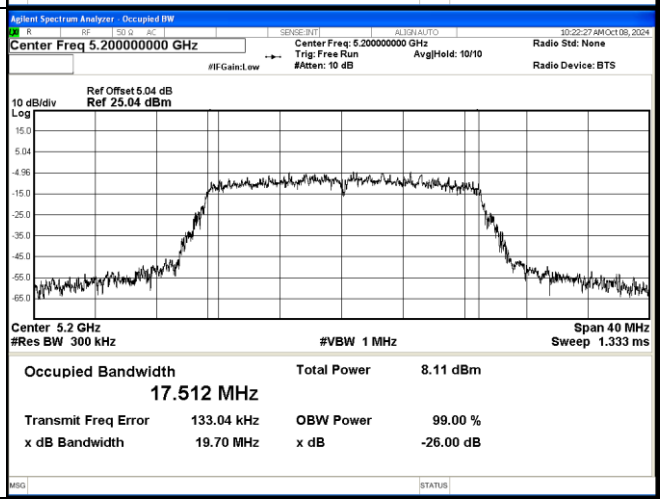
ANT 1

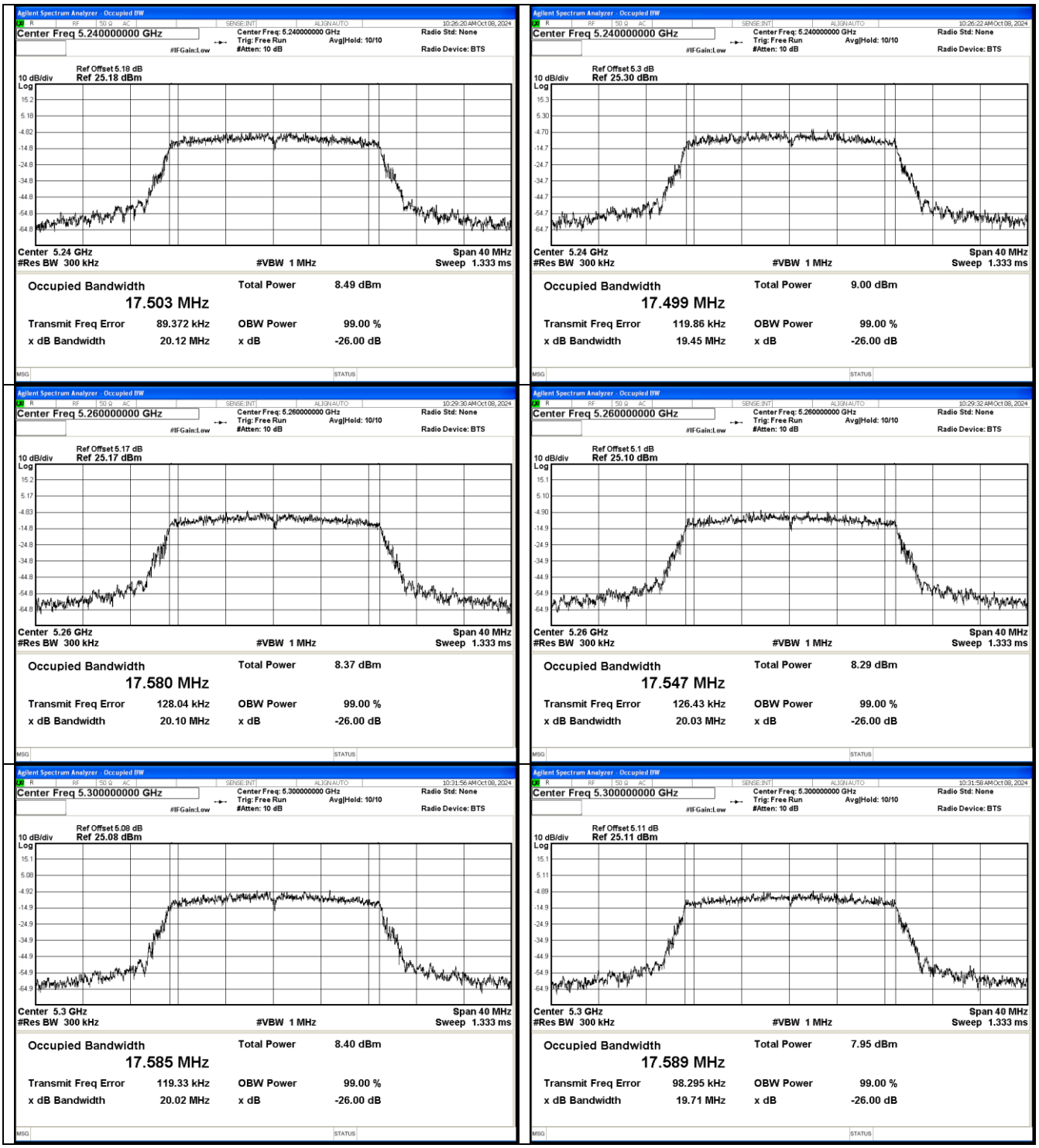


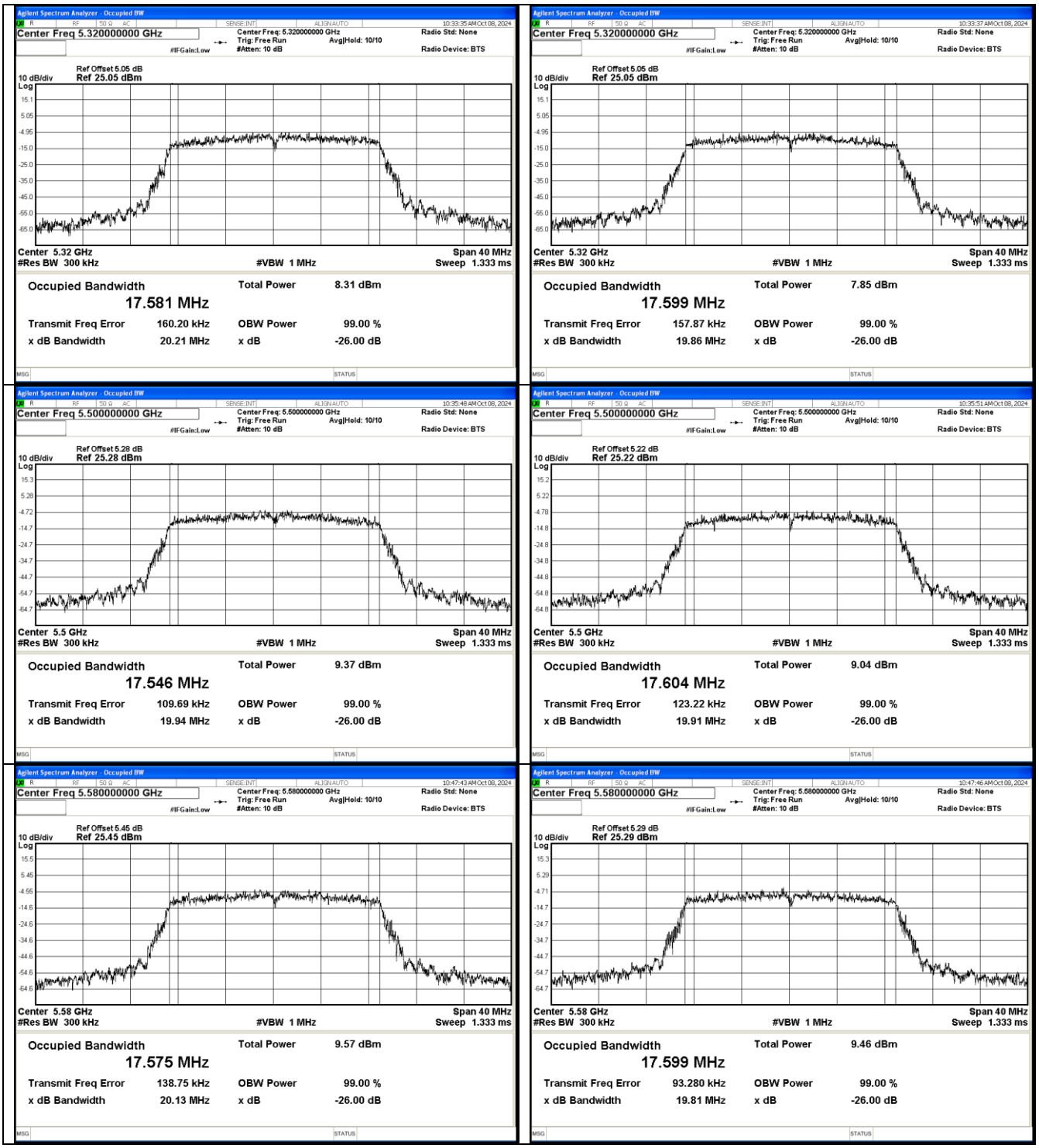


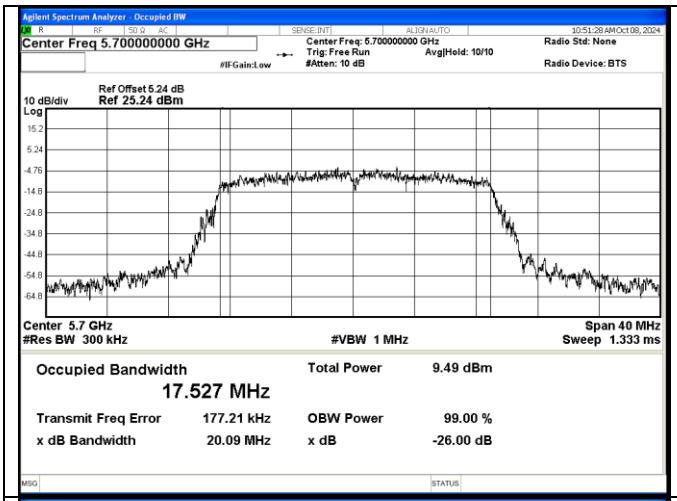
ANT 2

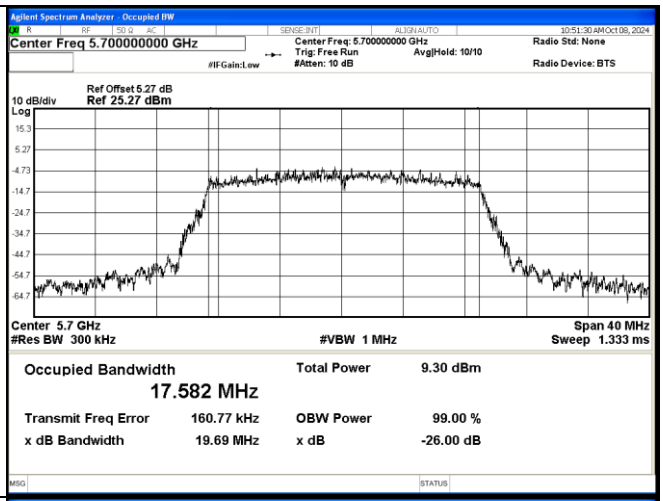


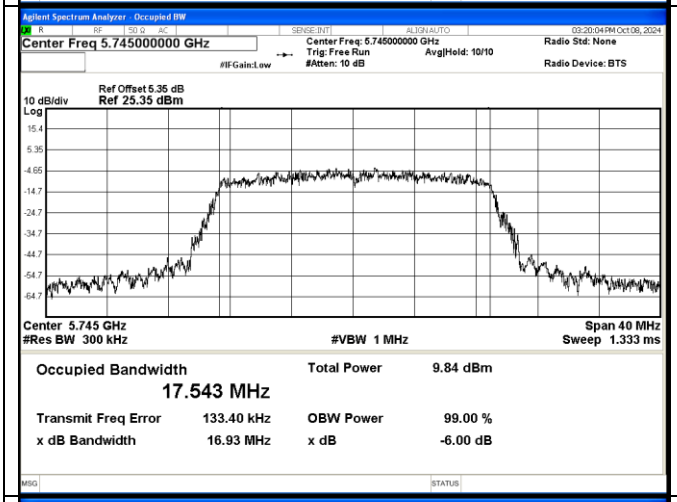


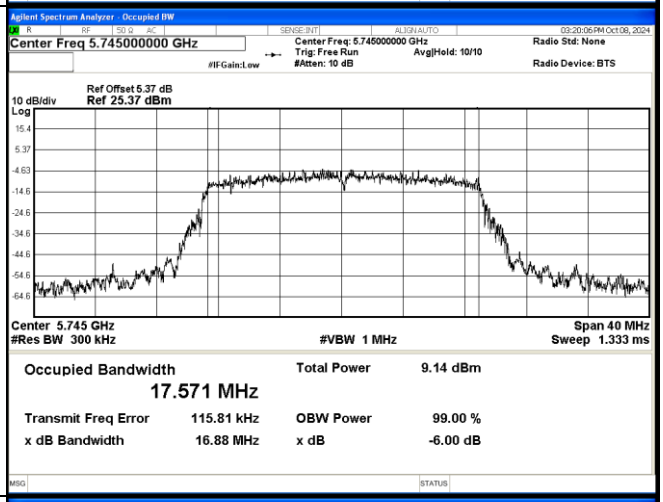

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.240000000 GHz
Center Freq: 5.240000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.18 dB
10 dB/div
Ref 25.18 dBm
Log
Center 5.24 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.503 MHz
Total Power 8.49 dBm
Transmit Freq Error 89.372 kHz
OBW Power 99.00 %
x dB Bandwidth 20.12 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.240000000 GHz
Center Freq: 5.240000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.3 dB
10 dB/div
Ref 25.30 dBm
Log
Center 5.24 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.499 MHz
Total Power 9.00 dBm
Transmit Freq Error 119.86 kHz
OBW Power 99.00 %
x dB Bandwidth 19.45 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.260000000 GHz
Center Freq: 5.260000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.17 dB
10 dB/div
Ref 25.17 dBm
Log
Center 5.26 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.580 MHz
Total Power 8.37 dBm
Transmit Freq Error 128.04 kHz
OBW Power 99.00 %
x dB Bandwidth 20.10 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.260000000 GHz
Center Freq: 5.260000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.1 dB
10 dB/div
Ref 25.10 dBm
Log
Center 5.26 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.547 MHz
Total Power 8.29 dBm
Transmit Freq Error 126.43 kHz
OBW Power 99.00 %
x dB Bandwidth 20.03 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.300000000 GHz
Center Freq: 5.300000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.08 dB
10 dB/div
Ref 25.08 dBm
Log
Center 5.3 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.585 MHz
Total Power 8.40 dBm
Transmit Freq Error 119.33 kHz
OBW Power 99.00 %
x dB Bandwidth 20.02 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.300000000 GHz
Center Freq: 5.300000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.11 dB
10 dB/div
Ref 25.11 dBm
Log
Center 5.3 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.589 MHz
Total Power 7.95 dBm
Transmit Freq Error 98.295 kHz
OBW Power 99.00 %
x dB Bandwidth 19.71 MHz
x dB -26.00 dB

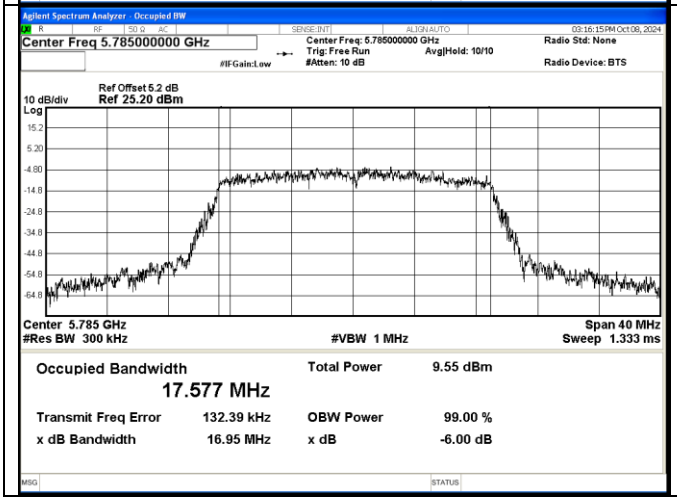

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.320000000 GHz
Center Freq: 5.320000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.05 dB
10 dB/div
Ref 25.05 dBm
Log
Center 5.32 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.581 MHz
Total Power 8.31 dBm
Transmit Freq Error 160.20 kHz
OBW Power 99.00 %
x dB Bandwidth 20.21 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.320000000 GHz
Center Freq: 5.320000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.05 dB
10 dB/div
Ref 25.05 dBm
Log
Center 5.32 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.599 MHz
Total Power 7.85 dBm
Transmit Freq Error 157.87 kHz
OBW Power 99.00 %
x dB Bandwidth 19.86 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.500000000 GHz
Center Freq: 5.500000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.28 dB
10 dB/div
Ref 25.28 dBm
Log
Center 5.5 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.546 MHz
Total Power 9.37 dBm
Transmit Freq Error 109.69 kHz
OBW Power 99.00 %
x dB Bandwidth 19.94 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.500000000 GHz
Center Freq: 5.500000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.22 dB
10 dB/div
Ref 25.22 dBm
Log
Center 5.5 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.604 MHz
Total Power 9.04 dBm
Transmit Freq Error 123.22 kHz
OBW Power 99.00 %
x dB Bandwidth 19.91 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.580000000 GHz
Center Freq: 5.580000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.45 dB
10 dB/div
Ref 25.45 dBm
Log
Center 5.58 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.575 MHz
Total Power 9.57 dBm
Transmit Freq Error 138.75 kHz
OBW Power 99.00 %
x dB Bandwidth 20.13 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.580000000 GHz
Center Freq: 5.580000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.29 dB
10 dB/div
Ref 25.29 dBm
Log
Center 5.58 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.599 MHz
Total Power 9.46 dBm
Transmit Freq Error 93.280 kHz
OBW Power 99.00 %
x dB Bandwidth 19.81 MHz
x dB -26.00 dB

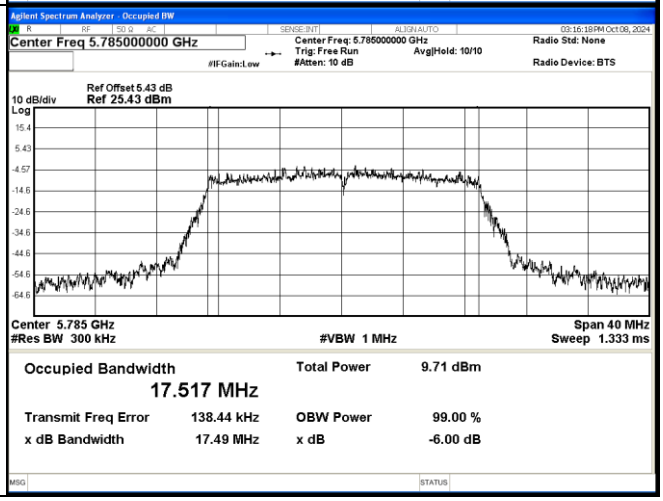

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.700000000 GHz
Center Freq: 5.700000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.24 dB
10 dB/div
Ref 25.24 dBm
Log
Center 5.7 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.527 MHz
Total Power 9.49 dBm
Transmit Freq Error 177.21 kHz
OBW Power 99.00 %
x dB Bandwidth 20.09 MHz
x dB -26.00 dB

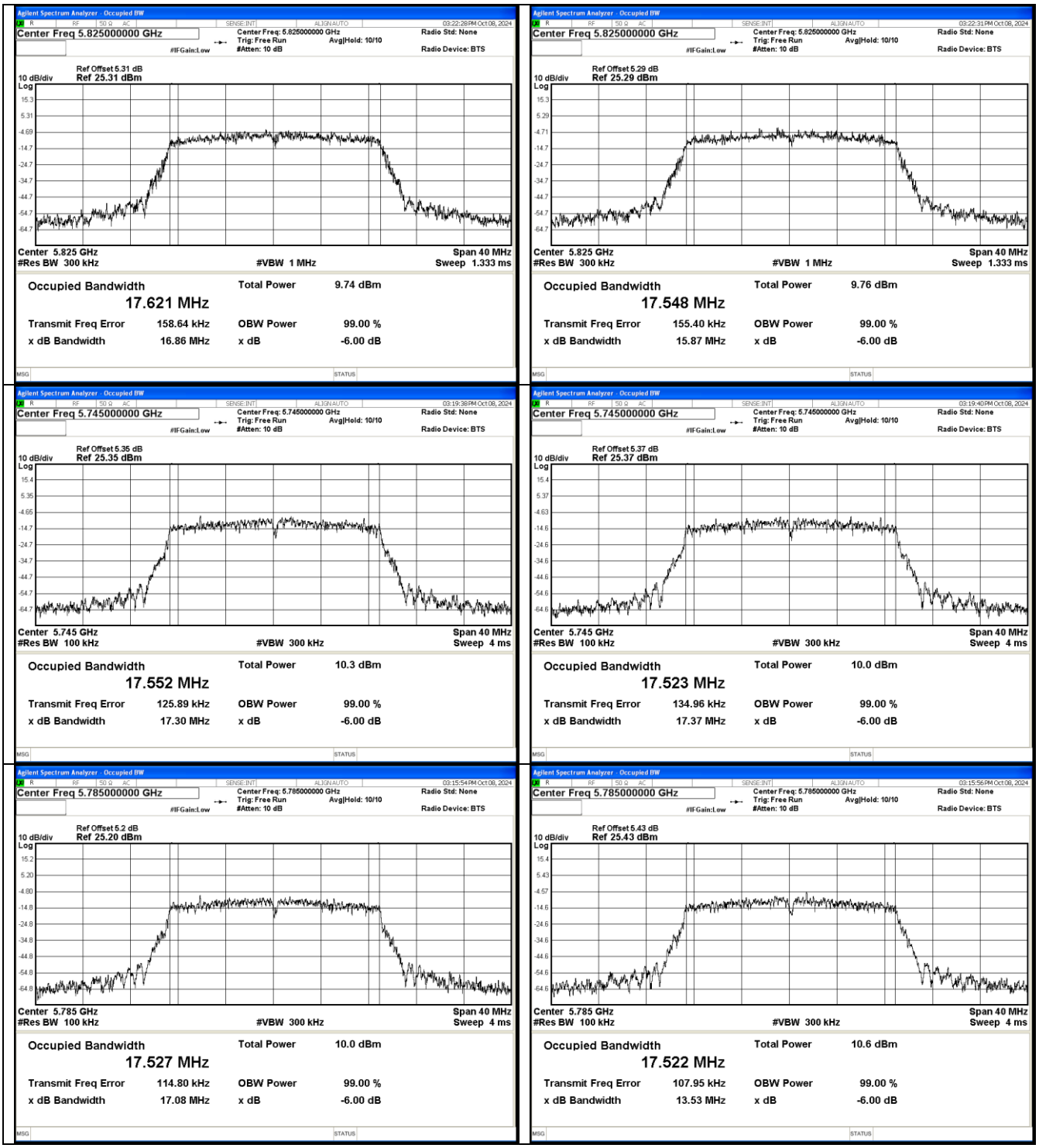

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.700000000 GHz
Center Freq: 5.700000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.27 dB
10 dB/div
Ref 25.27 dBm
Log
Center 5.7 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.582 MHz
Total Power 9.30 dBm
Transmit Freq Error 160.77 kHz
OBW Power 99.00 %
x dB Bandwidth 19.69 MHz
x dB -26.00 dB

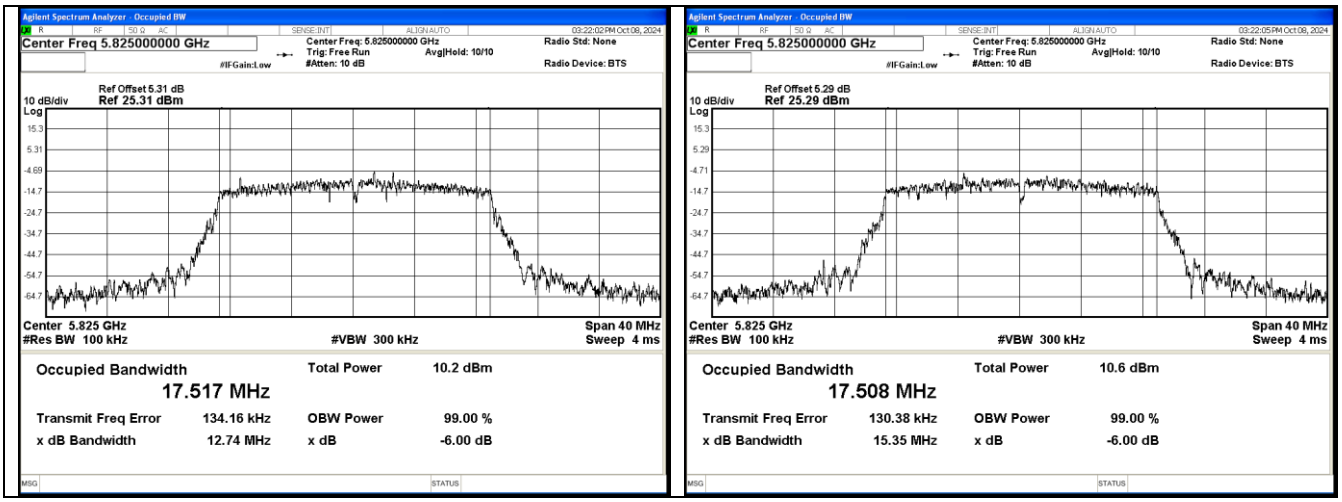

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.745000000 GHz
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.35 dB
10 dB/div
Ref 25.35 dBm
Log
Center 5.745 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.543 MHz
Total Power 9.84 dBm
Transmit Freq Error 133.40 kHz
OBW Power 99.00 %
x dB Bandwidth 16.93 MHz
x dB -6.00 dB


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.745000000 GHz
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.37 dB
10 dB/div
Ref 25.37 dBm
Log
Center 5.745 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.571 MHz
Total Power 9.14 dBm
Transmit Freq Error 115.81 kHz
OBW Power 99.00 %
x dB Bandwidth 16.88 MHz
x dB -6.00 dB


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.785000000 GHz
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.2 dB
10 dB/div
Ref 25.20 dBm
Log
Center 5.785 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.577 MHz
Total Power 9.55 dBm
Transmit Freq Error 132.39 kHz
OBW Power 99.00 %
x dB Bandwidth 16.95 MHz
x dB -6.00 dB


Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.785000000 GHz
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.43 dB
10 dB/div
Ref 25.43 dBm
Log
Center 5.785 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.517 MHz
Total Power 9.71 dBm
Transmit Freq Error 138.44 kHz
OBW Power 99.00 %
x dB Bandwidth 17.49 MHz
x dB -6.00 dB

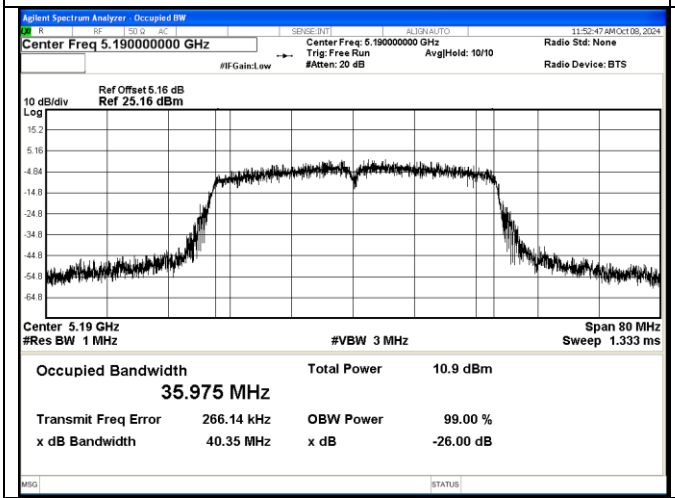

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.825000000 GHz
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.31 dB
10 dB/div
Ref 25.31 dBm
Log
Center 5.825 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.621 MHz
Total Power 9.74 dBm
Transmit Freq Error 158.64 kHz
OBW Power 99.00 %
x dB Bandwidth 16.86 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.825000000 GHz
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.29 dB
10 dB/div
Ref 25.29 dBm
Log
Center 5.825 GHz
#Res BW 300 kHz
#VBW 1 MHz
Span 40 MHz
Sweep 1.333 ms
Occupied Bandwidth
17.548 MHz
Total Power 9.76 dBm
Transmit Freq Error 155.40 kHz
OBW Power 99.00 %
x dB Bandwidth 15.87 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.745000000 GHz
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.35 dB
10 dB/div
Ref 25.35 dBm
Log
Center 5.745 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.552 MHz
Total Power 10.3 dBm
Transmit Freq Error 125.89 kHz
OBW Power 99.00 %
x dB Bandwidth 17.30 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.745000000 GHz
Center Freq: 5.745000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.37 dB
10 dB/div
Ref 25.37 dBm
Log
Center 5.745 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.523 MHz
Total Power 10.0 dBm
Transmit Freq Error 134.96 kHz
OBW Power 99.00 %
x dB Bandwidth 17.37 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.785000000 GHz
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.2 dB
10 dB/div
Ref 25.20 dBm
Log
Center 5.785 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.527 MHz
Total Power 10.0 dBm
Transmit Freq Error 114.80 kHz
OBW Power 99.00 %
x dB Bandwidth 17.08 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.785000000 GHz
Center Freq: 5.785000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.43 dB
10 dB/div
Ref 25.43 dBm
Log
Center 5.785 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.522 MHz
Total Power 10.6 dBm
Transmit Freq Error 107.95 kHz
OBW Power 99.00 %
x dB Bandwidth 13.53 MHz
x dB -6.00 dB

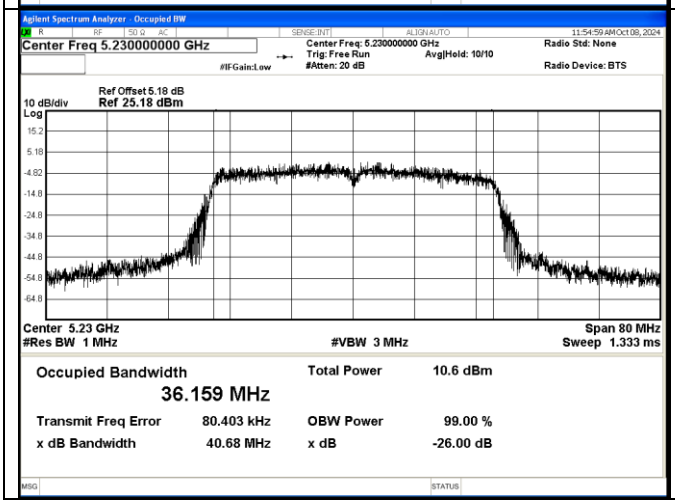

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.825000000 GHz
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:22:02 PM Oct 08, 2024
Ref Offset 5.31 dB
10 dB/div
Ref 25.31 dBm
Log
Center 5.825 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.517 MHz
Total Power 10.2 dBm
Transmit Freq Error 134.16 kHz
OBW Power 99.00 %
x dB Bandwidth 12.74 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.825000000 GHz
Center Freq: 5.825000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
03:22:05 PM Oct 08, 2024
Ref Offset 5.29 dB
10 dB/div
Ref 25.29 dBm
Log
Center 5.825 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
Occupied Bandwidth
17.508 MHz
Total Power 10.6 dBm
Transmit Freq Error 130.38 kHz
OBW Power 99.00 %
x dB Bandwidth 15.35 MHz
x dB -6.00 dB

802.11ac VHT40 mode:					
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
38	5190	35.975	40.35	36.095	40.34
46	5230	36.159	40.68	36.103	40.05
54	5270	36.114	40.58	36.078	40.15
62	5310	36.160	40.69	36.119	39.99
102	5510	36.062	40.76	36.030	40.85
110	5550	36.120	41.03	35.986	39.63
134	5670	36.187	40.50	36.079	40.71

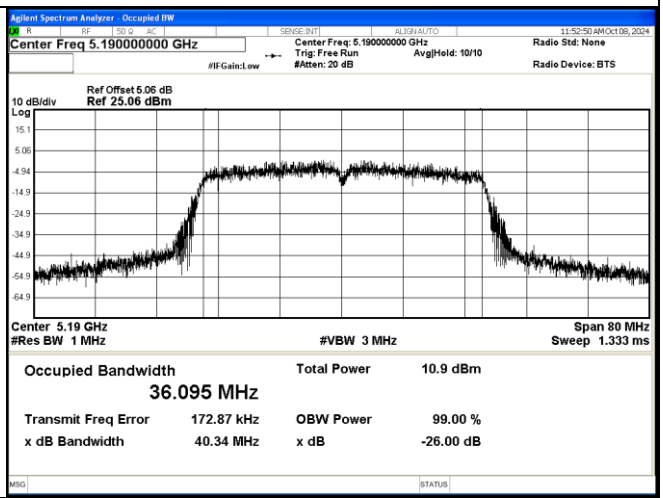
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
151	5755	35.953	32.59	36.221	33.78
159	5795	36.156	33.86	36.145	33.15

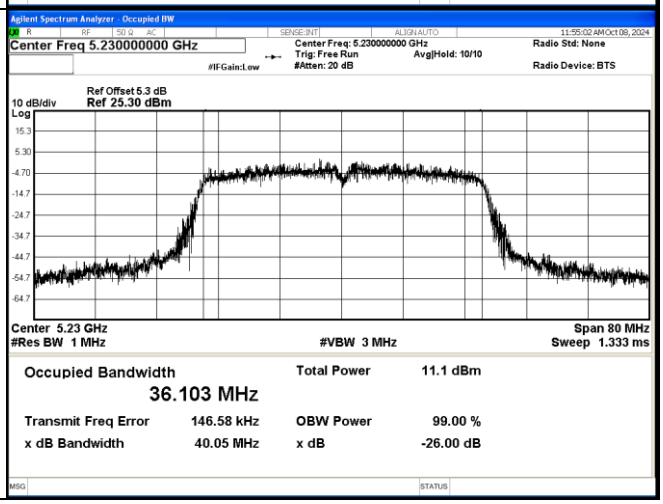
ANT 1

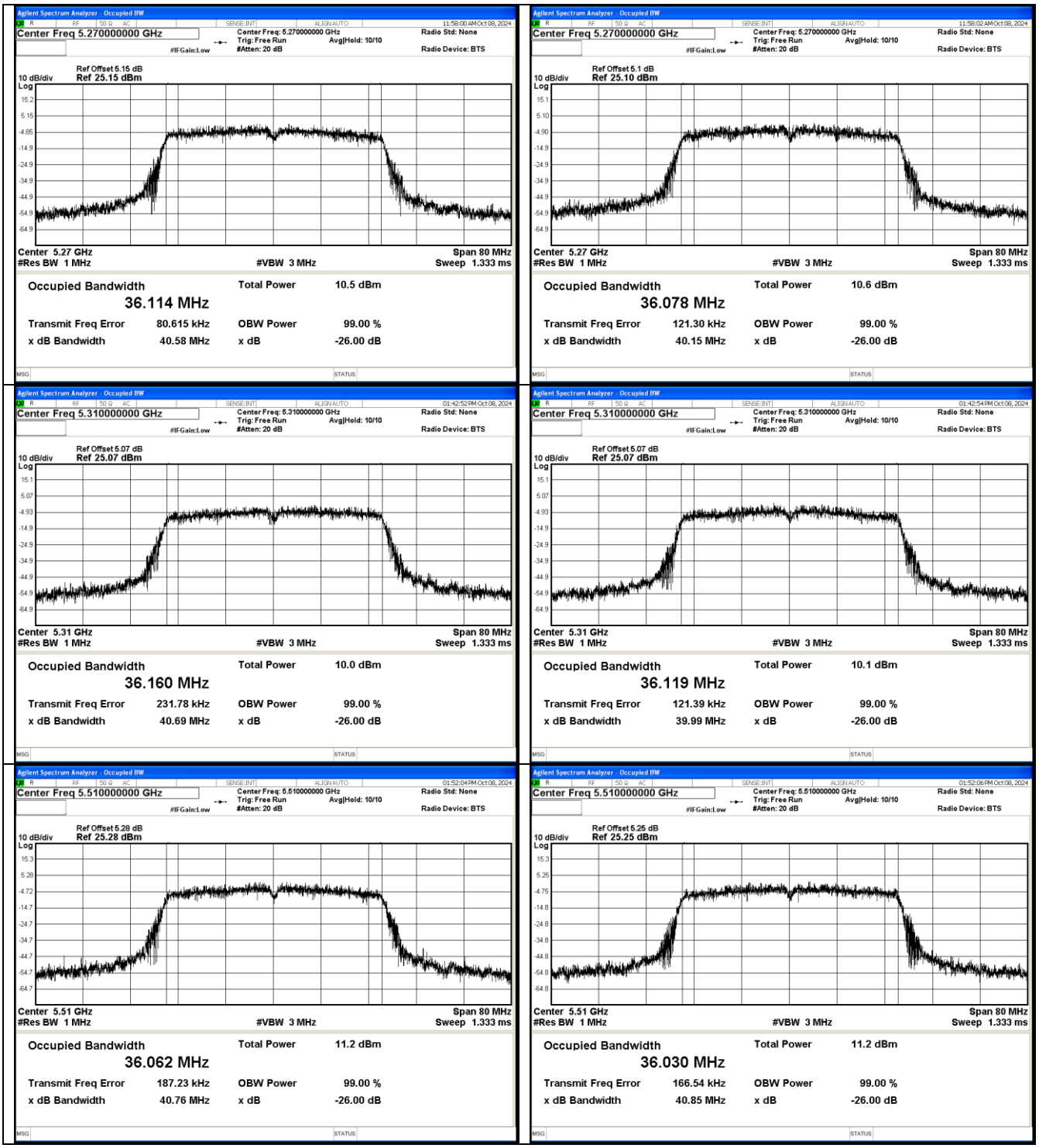


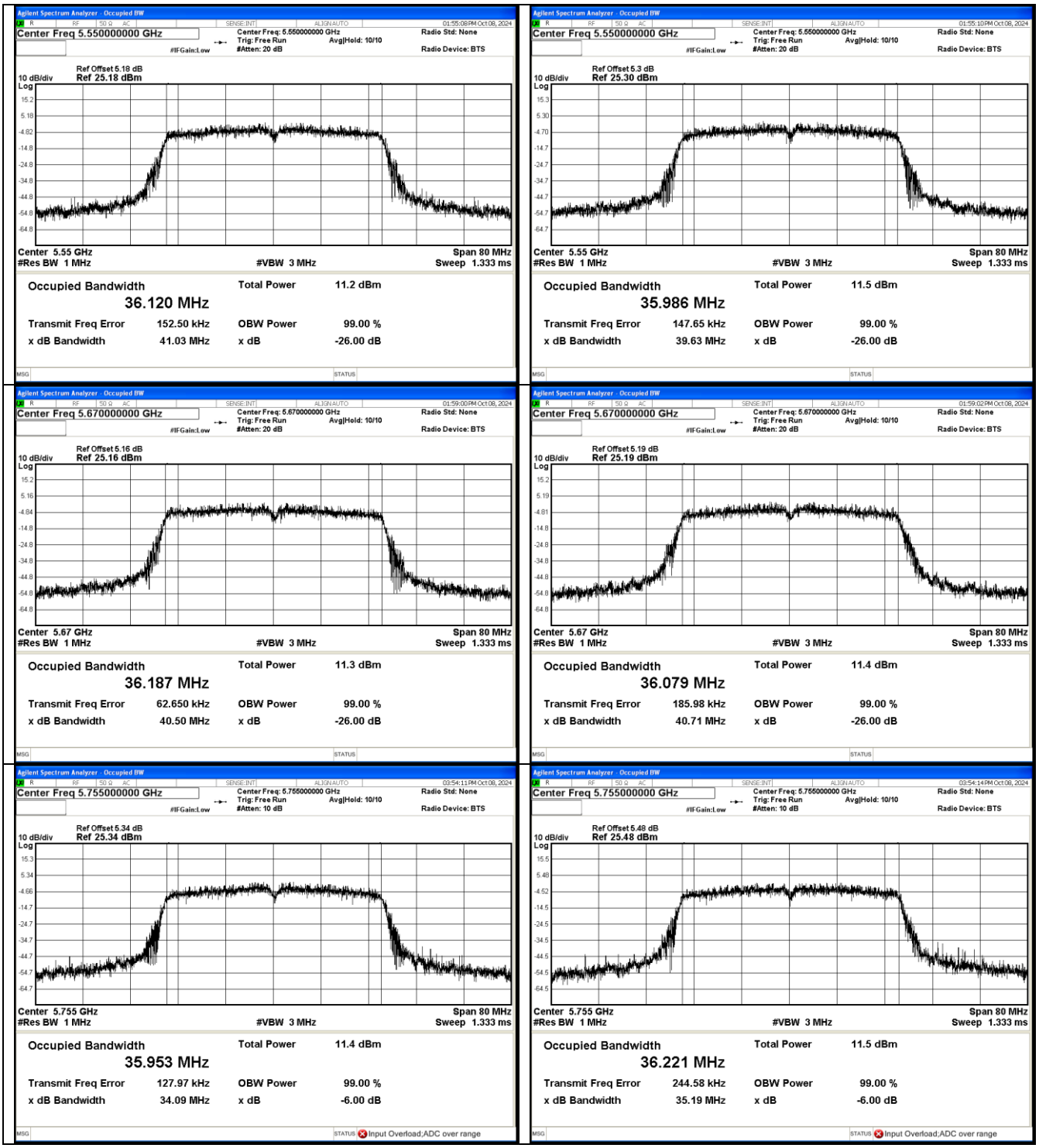


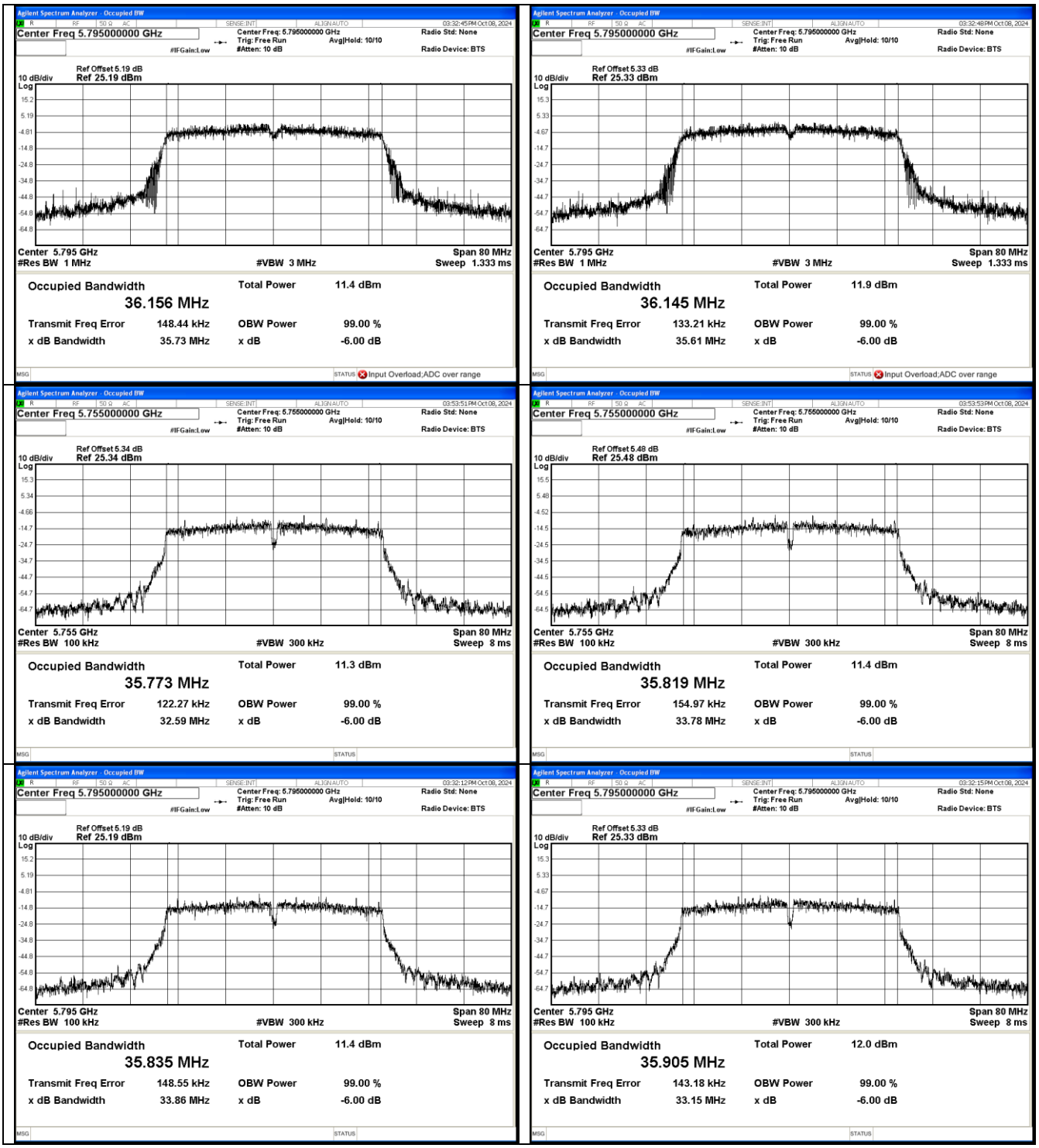
ANT 2






Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.270000000 GHz
Center Freq: 5.270000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.15 dB
10 dB/div
Ref 25.15 dBm
Log
Center 5.27 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.114 MHz
Total Power 10.5 dBm
Transmit Freq Error 80.615 kHz
OBW Power 99.00 %
x dB Bandwidth 40.58 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.270000000 GHz
Center Freq: 5.270000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.1 dB
10 dB/div
Ref 25.10 dBm
Log
Center 5.27 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.078 MHz
Total Power 10.6 dBm
Transmit Freq Error 121.30 kHz
OBW Power 99.00 %
x dB Bandwidth 40.15 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.310000000 GHz
Center Freq: 5.310000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.07 dB
10 dB/div
Ref 25.07 dBm
Log
Center 5.31 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.160 MHz
Total Power 10.0 dBm
Transmit Freq Error 231.78 kHz
OBW Power 99.00 %
x dB Bandwidth 40.69 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.310000000 GHz
Center Freq: 5.310000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.07 dB
10 dB/div
Ref 25.07 dBm
Log
Center 5.31 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.119 MHz
Total Power 10.1 dBm
Transmit Freq Error 121.39 kHz
OBW Power 99.00 %
x dB Bandwidth 39.99 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.510000000 GHz
Center Freq: 5.510000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.28 dB
10 dB/div
Ref 25.28 dBm
Log
Center 5.51 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.062 MHz
Total Power 11.2 dBm
Transmit Freq Error 187.23 kHz
OBW Power 99.00 %
x dB Bandwidth 40.76 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.510000000 GHz
Center Freq: 5.510000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.25 dB
10 dB/div
Ref 25.25 dBm
Log
Center 5.51 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.030 MHz
Total Power 11.2 dBm
Transmit Freq Error 166.54 kHz
OBW Power 99.00 %
x dB Bandwidth 40.85 MHz
x dB -26.00 dB

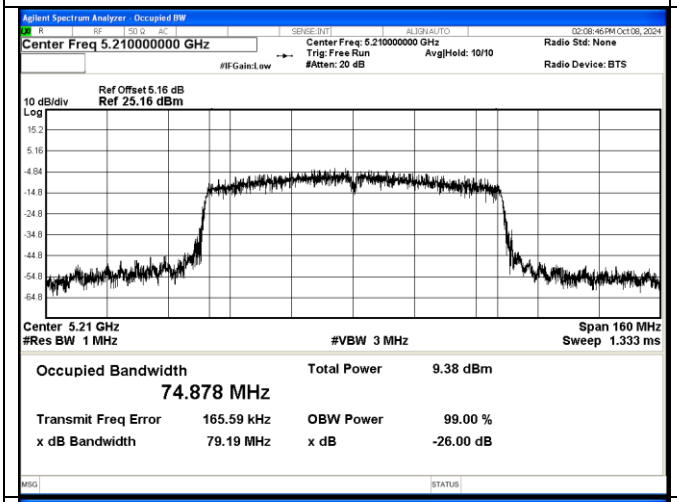

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.550000000 GHz
Center Freq: 5.550000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.18 dB
10 dB/div
Ref 25.18 dBm
Log
Center 5.55 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.120 MHz
Total Power 11.2 dBm
Transmit Freq Error 152.50 kHz
OBW Power 99.00 %
x dB Bandwidth 41.03 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.550000000 GHz
Center Freq: 5.550000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.3 dB
10 dB/div
Ref 25.30 dBm
Log
Center 5.55 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.986 MHz
Total Power 11.5 dBm
Transmit Freq Error 147.65 kHz
OBW Power 99.00 %
x dB Bandwidth 39.63 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.16 dB
10 dB/div
Ref 25.16 dBm
Log
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.187 MHz
Total Power 11.3 dBm
Transmit Freq Error 62.650 kHz
OBW Power 99.00 %
x dB Bandwidth 40.50 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.079 MHz
Total Power 11.4 dBm
Transmit Freq Error 185.98 kHz
OBW Power 99.00 %
x dB Bandwidth 40.71 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.34 dB
10 dB/div
Ref 25.34 dBm
Log
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.953 MHz
Total Power 11.4 dBm
Transmit Freq Error 127.97 kHz
OBW Power 99.00 %
x dB Bandwidth 34.09 MHz
x dB -6.00 dB
Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Log
Center 5.755 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.221 MHz
Total Power 11.5 dBm
Transmit Freq Error 244.58 kHz
OBW Power 99.00 %
x dB Bandwidth 35.19 MHz
x dB -6.00 dB
Input Overload;ADC over range

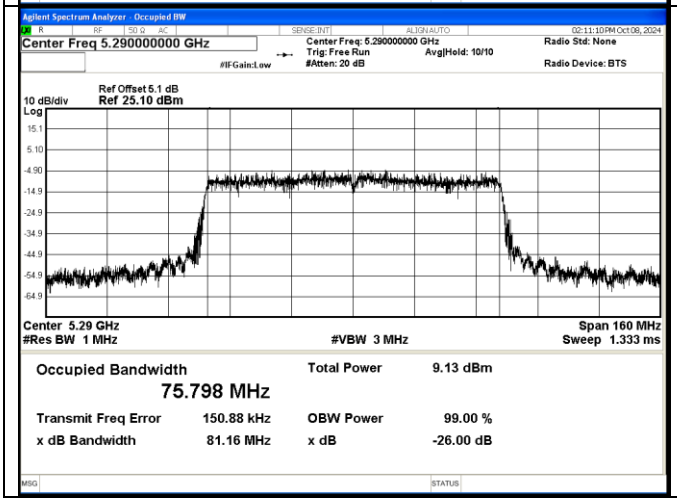

Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.156 MHz
Total Power 11.4 dBm
Transmit Freq Error 148.44 kHz
OBW Power 99.00 %
x dB Bandwidth 35.73 MHz
x dB -6.00 dB
Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.33 dB
10 dB/div
Ref 25.33 dBm
Log
Center 5.795 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
Sweep 1.333 ms
Occupied Bandwidth
36.145 MHz
Total Power 11.9 dBm
Transmit Freq Error 133.21 kHz
OBW Power 99.00 %
x dB Bandwidth 35.61 MHz
x dB -6.00 dB
Input Overload;ADC over range
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.34 dB
10 dB/div
Ref 25.34 dBm
Log
Center 5.755 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.773 MHz
Total Power 11.3 dBm
Transmit Freq Error 122.27 kHz
OBW Power 99.00 %
x dB Bandwidth 32.59 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Log
Center 5.755 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.819 MHz
Total Power 11.4 dBm
Transmit Freq Error 154.97 kHz
OBW Power 99.00 %
x dB Bandwidth 33.78 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.19 dB
10 dB/div
Ref 25.19 dBm
Log
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.835 MHz
Total Power 11.4 dBm
Transmit Freq Error 148.55 kHz
OBW Power 99.00 %
x dB Bandwidth 33.86 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
Ref Offset 5.33 dB
10 dB/div
Ref 25.33 dBm
Log
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
Occupied Bandwidth
35.905 MHz
Total Power 12.0 dBm
Transmit Freq Error 143.18 kHz
OBW Power 99.00 %
x dB Bandwidth 33.15 MHz
x dB -6.00 dB

802.11ac VHT80 mode:					
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
42	5210	74.878	79.19	75.450	79.72
58	5290	75.798	81.16	75.468	80.49
106	5530	75.289	79.88	75.409	79.01

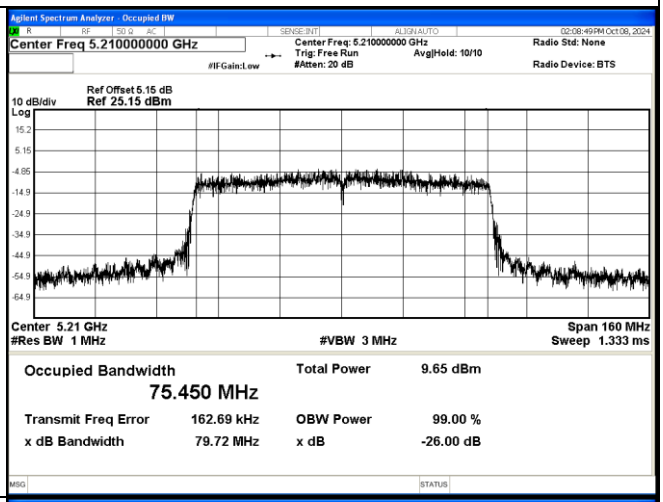
Channel	Frequency (MHz)	ANT1_Emission Bandwidth		ANT2_Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
155	5775	75.148	75.01	75.224	72.56

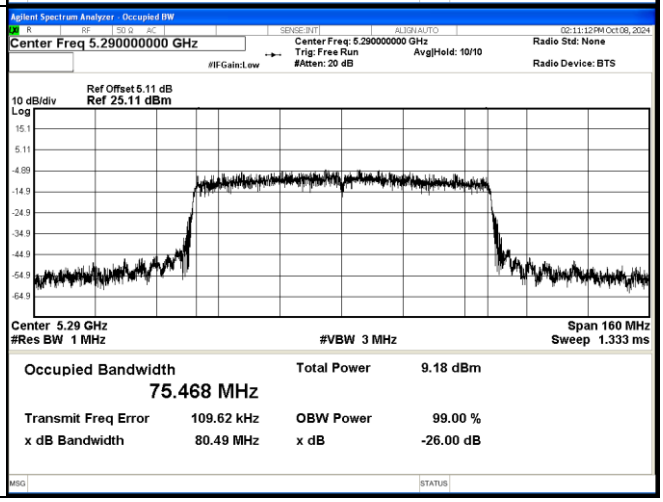
ANT 1

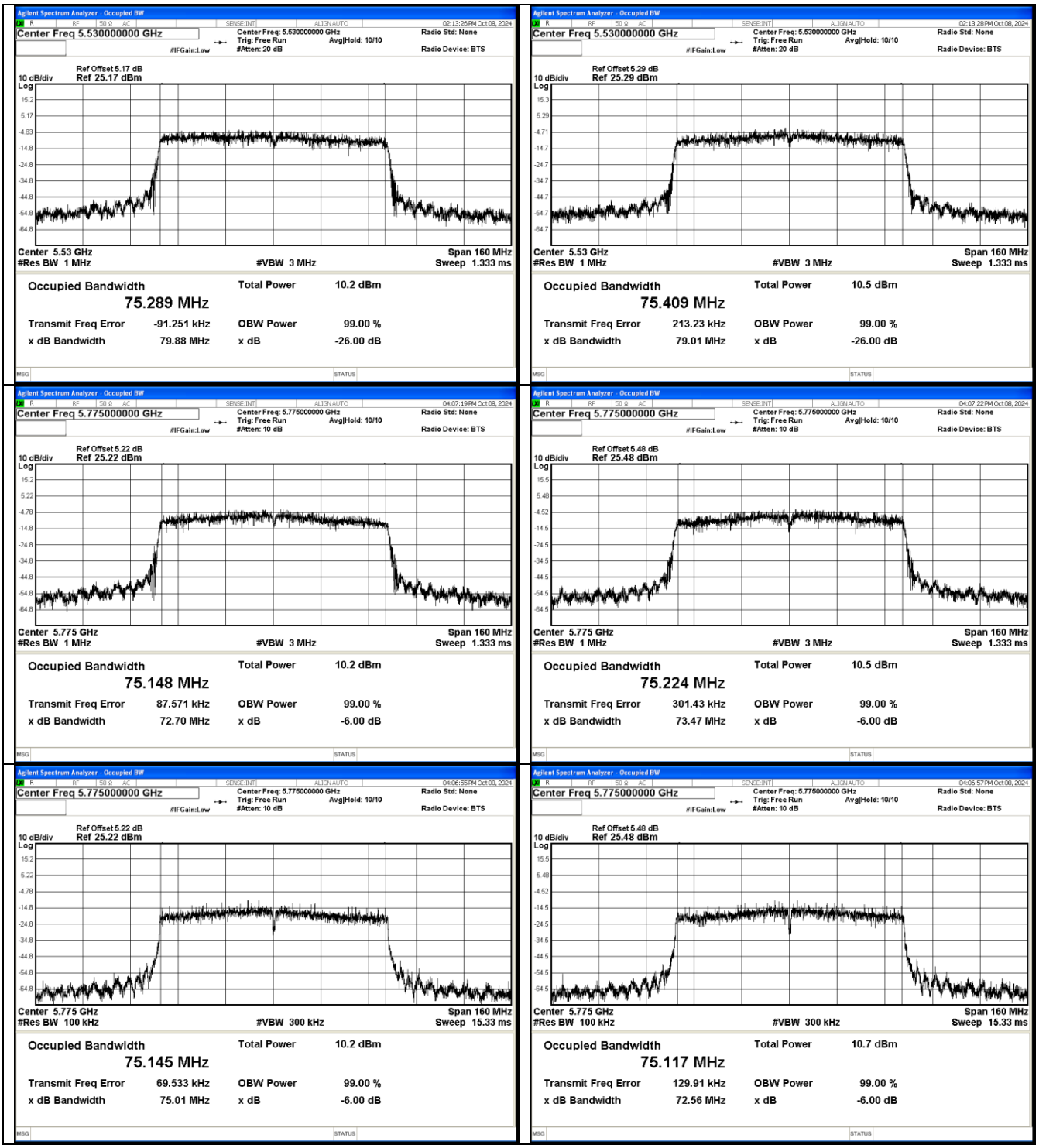




ANT 2






Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.530000000 GHz
Center Freq: 5.530000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.17 dB
10 dB/div
Ref 25.17 dBm
Center 5.53 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 160 MHz
Sweep 1.333 ms
Occupied Bandwidth
75.289 MHz
Total Power 10.2 dBm
Transmit Freq Error -91.251 kHz
OBW Power 99.00 %
x dB Bandwidth 79.88 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.530000000 GHz
Center Freq: 5.530000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 20 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.29 dB
10 dB/div
Ref 25.29 dBm
Center 5.53 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 160 MHz
Sweep 1.333 ms
Occupied Bandwidth
75.409 MHz
Total Power 10.5 dBm
Transmit Freq Error 213.23 kHz
OBW Power 99.00 %
x dB Bandwidth 79.01 MHz
x dB -26.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.22 dB
10 dB/div
Ref 25.22 dBm
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 160 MHz
Sweep 1.333 ms
Occupied Bandwidth
75.148 MHz
Total Power 10.2 dBm
Transmit Freq Error 87.571 kHz
OBW Power 99.00 %
x dB Bandwidth 72.70 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Center 5.775 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 160 MHz
Sweep 1.333 ms
Occupied Bandwidth
75.224 MHz
Total Power 10.5 dBm
Transmit Freq Error 301.43 kHz
OBW Power 99.00 %
x dB Bandwidth 73.47 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.22 dB
10 dB/div
Ref 25.22 dBm
Center 5.775 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160 MHz
Sweep 15.33 ms
Occupied Bandwidth
75.145 MHz
Total Power 10.2 dBm
Transmit Freq Error 69.533 kHz
OBW Power 99.00 %
x dB Bandwidth 75.01 MHz
x dB -6.00 dB
Agilent Spectrum Analyzer - Occupied BW
Center Freq 5.775000000 GHz
Center Freq: 5.775000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 10 dB
Radio Std: None
Radio Device: BTS
Ref Offset 5.48 dB
10 dB/div
Ref 25.48 dBm
Center 5.775 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 160 MHz
Sweep 15.33 ms
Occupied Bandwidth
75.117 MHz
Total Power 10.7 dBm
Transmit Freq Error 129.91 kHz
OBW Power 99.00 %
x dB Bandwidth 72.56 MHz
x dB -6.00 dB

Appendix A.7 Test Results of Maximum Conducted Output Power

802.11a mode								
CH	Freq.	Conducted Power (dBm)		E.I.R.P. (dBm)		Limit (dBm)		Result
		ANT1	ANT2	ANT1	ANT2	IC	FCC	
36	5180	11.146	11.083	14.226	14.163	22.15	23.98	Pass
40	5200	10.672	10.867	13.752	13.947	22.15	23.98	Pass
48	5240	10.355	11.059	13.435	14.139	22.14	23.98	Pass
52	5260	10.402	10.744	13.482	13.824	23.17	23.98	Pass
60	5300	10.309	10.198	13.389	13.278	23.15	23.98	Pass
64	5320	10.311	10.35	13.391	13.43	23.15	23.98	Pass
100	5500	11.572	11.715	14.852	14.995	23.15	23.98	Pass
116	5580	11.897	12.173	15.177	15.453	23.15	23.98	Pass
140	5700	11.572	11.914	14.852	15.194	23.14	23.98	Pass
149	5745	11.072	10.902	n.a.	n.a.	30	30	Pass
157	5785	11.564	12.352	n.a.	n.a.	30	30	Pass
165	5825	11.788	12.25	n.a.	n.a.	30	30	Pass

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11n HT20 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
36	5180	9.252	9.526	12.401	15.481	22.43	23.98	Pass
40	5200	9.369	9.488	12.439	15.519	22.44	23.98	Pass
48	5240	9.008	9.957	12.519	15.599	22.44	23.98	Pass
52	5260	8.997	9.622	12.331	15.411	23.45	23.98	Pass
60	5300	8.81	9.294	12.069	15.149	23.45	23.98	Pass
64	5320	8.952	9.235	12.106	15.186	23.45	23.98	Pass
100	5500	10.062	10.513	13.304	16.584	23.45	23.98	Pass
116	5580	10.609	11.016	13.828	17.108	23.44	23.98	Pass
140	5700	10.131	10.703	13.437	16.717	23.44	23.98	Pass
149	5745	10.484	10.492	13.498	n.a.	30	30	Pass
157	5785	10.388	11.416	13.943	n.a.	30	30	Pass
165	5825	10.628	11.087	13.874	n.a.	30	30	Pass

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11n HT40 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
38	5190	11.267	11.534	14.413	17.493	23	23.98	Pass
46	5230	11	11.832	14.446	17.526	23	23.98	Pass
54	5270	10.86	11.351	14.123	17.203	23.98	23.98	Pass
62	5310	10.713	10.987	13.862	16.942	23.98	23.98	Pass
102	5510	12.052	12.262	15.169	18.449	23.98	23.98	Pass
110	5550	11.953	12.588	15.292	18.572	23.98	23.98	Pass
134	5670	12.142	12.62	15.398	18.678	23.98	23.98	Pass
151	5755	11.925	12.371	15.164	n.a.	30	30	Pass
159	5795	11.89	12.665	15.305	n.a.	30	30	Pass

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT20 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
36	5180	9.532	9.564	12.558	15.638	22.44	23.98	Pass
40	5200	8.642	9.138	11.907	14.987	22.43	23.98	Pass
48	5240	9.179	10.051	12.647	15.727	22.43	23.98	Pass
52	5260	9.056	9.556	12.323	15.403	23.44	23.98	Pass
60	5300	8.879	9.305	12.108	15.188	23.45	23.98	Pass
64	5320	8.987	9.295	12.154	15.234	23.46	23.98	Pass
100	5500	10.046	10.313	13.192	16.472	23.46	23.98	Pass
116	5580	10.647	11.085	13.882	17.162	23.46	23.98	Pass
140	5700	10.409	10.833	13.636	16.916	23.45	23.98	Pass
149	5745	9.532	9.564	12.558	n.a.	30	30	Pass
157	5785	8.642	9.138	11.907	n.a.	30	30	Pass
165	5825	9.179	10.051	12.647	n.a.	30	30	Pass

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT40 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
38	5190	11.469	11.539	14.514	17.594	23	23.98	Pass
46	5230	11.059	11.952	14.539	17.619	23	23.98	Pass
54	5270	10.9	11.406	14.171	17.251	23.98	23.98	Pass
62	5310	10.422	10.834	13.643	16.723	23.98	23.98	Pass
102	5510	11.798	12.16	14.993	18.273	23.98	23.98	Pass
110	5550	11.368	12.045	14.73	18.01	23.98	23.98	Pass
134	5670	11.843	12.157	15.013	18.293	23.98	23.98	Pass
151	5755	11.836	12.264	15.066	n.a.	30	30	Pass
159	5795	12.106	12.915	15.54	n.a.	30	30	Pass

Note:

1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

802.11ac VHT80 mode								
CH	Freq.	Conducted Power (dBm)		Total Power (dBm)		Limit (dBm)		Result
		ANT1	ANT2	Conducted	E.I.R.P.	IC	FCC	
42	5210	10.266	10.644	13.469	16.549	23	23.98	Pass
58	5290	10.082	10.364	13.236	16.316	23.98	23.98	Pass
106	5530	11.086	11.674	14.4	17.68	23.98	23.98	Pass
155	5775	11.109	11.76	14.457	n.a.	30	30	Pass

Note:

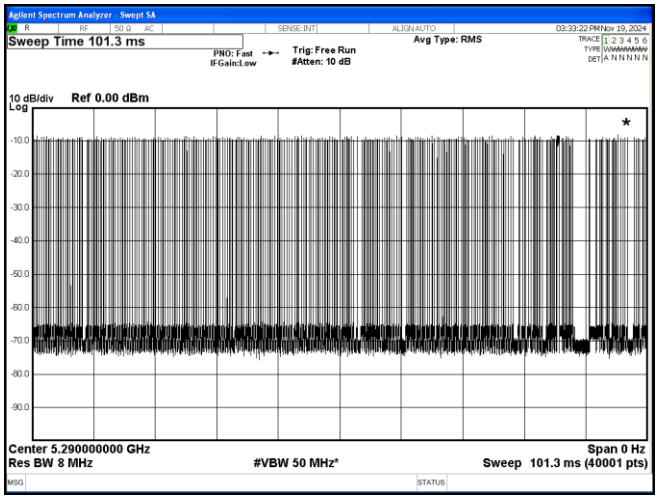
1) The cable loss is taken into account in results.
2) Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).
3) For 5150-5250MHz in ISED's limit, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.
4) For 5250-5350MHz, 5470-5600MHz, 5650-5725MHz and 5725-5850MHz in ISED's limit, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less, whichever power is less. B is the 99% emission bandwidth in megahertz.

Appendix A.8 Test Results of Dynamic Frequency Selection (DFS)

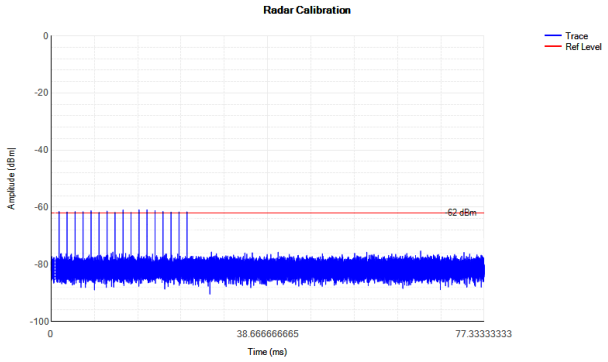
Band II					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5290	0.1092	<200ms	Complies
Channel move time	1	5290	1.1762	<10s	Complies
Non-Occupancy Period	1	5290	not be less than 30 Min	30 Minutes	Complies

Band III					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5530	0.0141	<200ms	Complies
Channel move time	1	5530	0.8054	<10s	Complies
Non-Occupancy Period	1	5530	not be less than 30 Min	30 Minutes	Complies

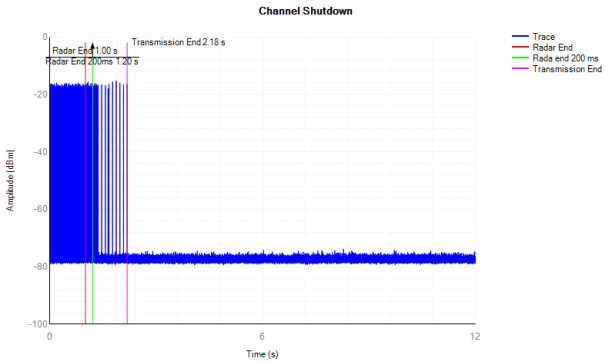
Remark: Tests were performed using the conduction test method. DFS is not applicable to 5600-5650 frequency band for IC.



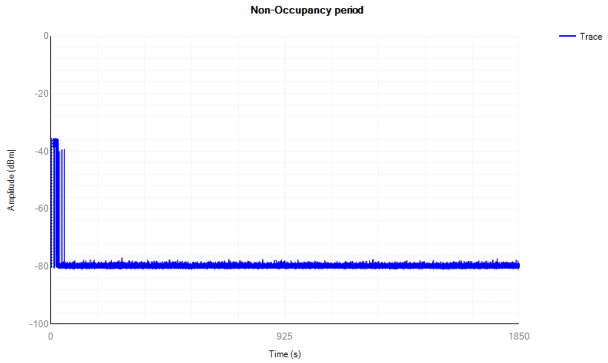
Bandwidth 80MHz



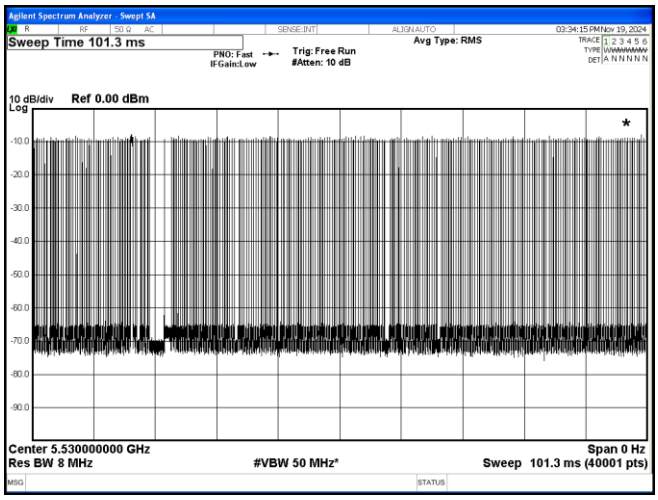
DFS Detection Thresholds



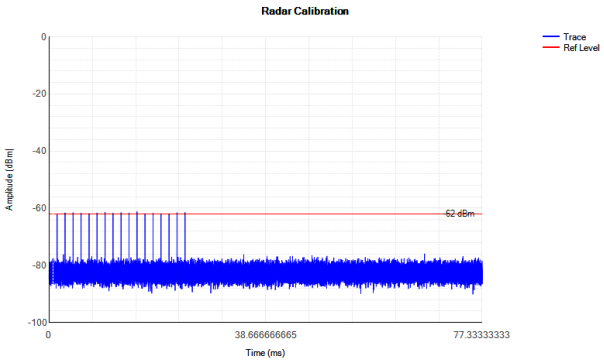
5290MHz Shutdown



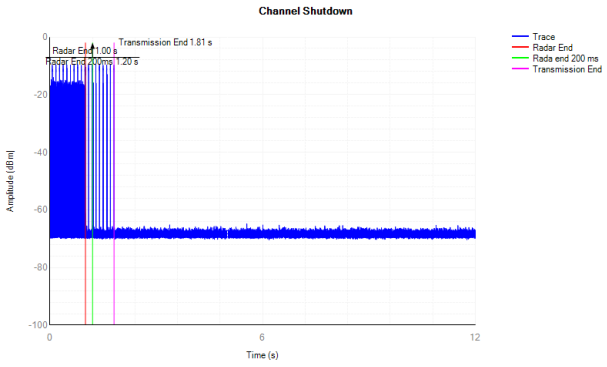
5290MHz Non-Occupancy Period



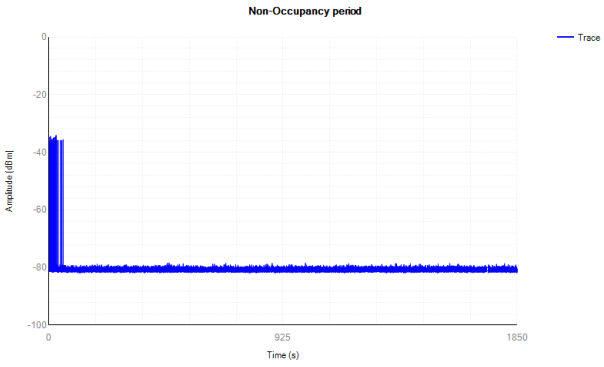
Bandwidth 80MHz



DFS Detection Thresholds



5530MHz Shutdown



5530MHz Non-Occupancy Period