

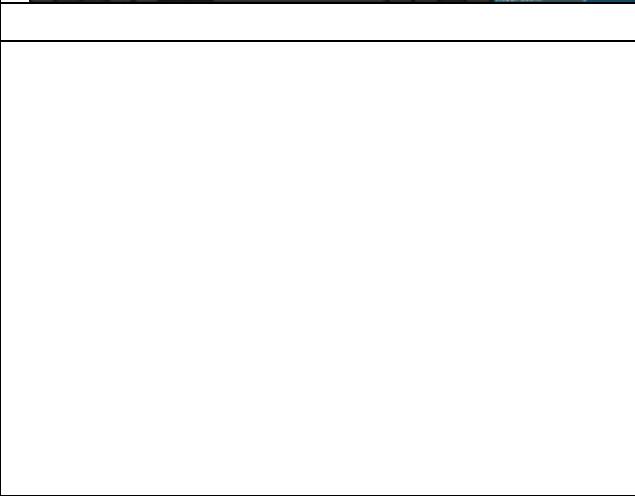
Test Mode:802.11a Chain1



Test Mode:802.11a Chain1



Test Mode:802.11a Chain1



Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0.29	Chain1	6.211
5580		Chain1	6.725
5700		Chain1	6.25

Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0.48	Chain1	3.434
5590		Chain1	4.076
5670		Chain1	2.997

Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0.29	Chain1	6.17
5580		Chain1	6.884
5700		Chain1	6.079

Test Mode:802. 11ac VHT20 Chain1



Test Mode:802. 11ac VHT20 Chain1



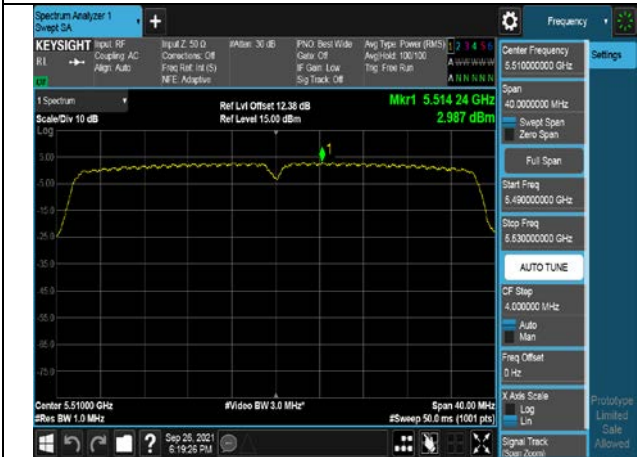
Test Mode:802. 11ac VHT20 Chain1



Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0.47	Chain1	3.457
5590		Chain1	3.846
5670		Chain1	3.127

Test Mode:802.11ac VHT40 Chain1



Test Mode:802.11ac VHT40 Chain1



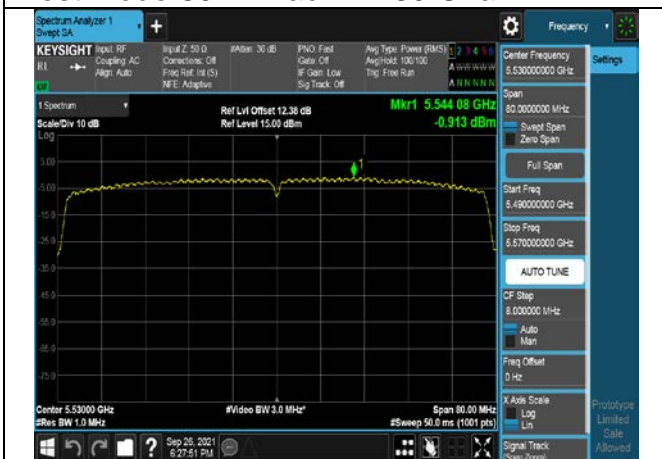
Test Mode:802. 11ac VHT40 Chain1



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5530	0.63	Chain1	-0.283
5610		Chain1	-0.605

Test Mode:802. 11ac VHT80 Chain1



Test Mode:802. 11ac VHT80 Chain1



MIMO

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)	Power Density (dBm)
802.11n20M	NA	5500	MIMO	20.58	20.88	8.95
		5580	MIMO	21.23	21.53	9.64
		5700	MIMO	21.40	21.70	9.78
802.11n40M	NA	5510	MIMO	19.98	20.28	6.26
		5590	MIMO	20.46	20.76	6.77
		5670	MIMO	20.43	20.73	6.61
802.11ac20M	NA	5500	MIMO	20.51	20.81	9.00
		5580	MIMO	21.24	21.54	9.87
		5700	MIMO	21.20	21.50	9.90

802.11ac40M	5510	MIMO	19.98	20.28	6.55
	5590	MIMO	20.40	20.70	6.93
	5670	MIMO	20.41	20.71	6.64
802.11ac80M	5530	MIMO	18.77	19.07	2.34
	5610	MIMO	18.85	19.15	2.39

Duty Cycle

Test Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor(dB)
802.11a	5720	Chain0	99.74%	0
802.11a	5720	Chain1	99.71%	0
802.11n HT20	5720	Chain0	99.66%	0
802.11n HT20	5720	Chain1	99.69%	0
802.11ac VHT20	5720	Chain0	99.68%	0
802.11ac VHT20	5720	Chain1	99.67%	0
802.11n HT40	5710	Chain0	99.52%	0
802.11n HT40	5710	Chain1	99.50%	0
802.11ac VHT40	5710	Chain0	99.55%	0
802.11ac VHT40	5710	Chain1	99.45%	0
802.11ac VHT80	5690	Chain0	99.32%	0
802.11ac VHT80	5690	Chain1	99.41%	0

Note: Correction Factor=10*log (1/Duty Cycle)

Output Power

Mode	Tones/ RUIndex	Freq (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ac VHT20	NA	5720	Chain0	15.30	15.90
802.11ac VHT20	NA	5720	Chain1	14.84	15.44
802.11ac VHT20	NA	5720	MIMO	18.09	18.69
802.11ac VHT40	NA	5710	Chain0	14.49	15.09
802.11ac VHT40	NA	5710	Chain1	13.97	14.57
802.11ac VHT40	NA	5710	MIMO	17.25	17.85
802.11ac VHT80	NA	5690	Chain0	12.52	13.12
802.11ac VHT80	NA	5690	Chain1	12.42	13.02
802.11ac VHT80	NA	5690	MIMO	15.48	16.08
802.11a	NA	5720	Chain0	15.34	15.94
802.11a	NA	5720	Chain1	14.98	15.58
802.11a	NA	5720	MIMMO	18.17	18.77
802.11n HT20	NA	5720	Chain0	15.38	15.98
802.11n HT20	NA	5720	Chain1	15.02	15.62
802.11n HT20	NA	5720	MIMO	18.21	18.81
802.11n HT40	NA	5710	Chain0	14.44	15.04
802.11n HT40	NA	5710	Chain1	14.31	14.91
802.11n HT40	NA	5710	MIMO	17.39	17.99

Emission Bandwidth

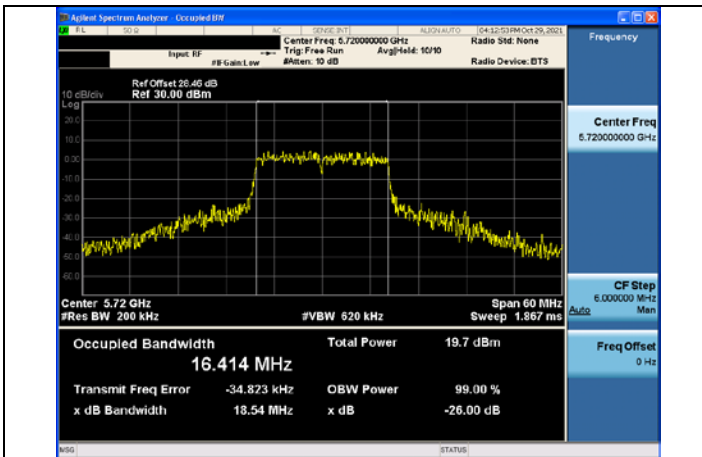
Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode	Antenna	26dB Bandwidth (MHz)
		Channel No.0
		5720MHz
802.11a	Chain0	18.54
	Chain1	19.25
802.11n HT20	Chain0	20.78
	Chain1	20.94
802.11ac VHT20	Chain0	21.47
	Chain1	19.26

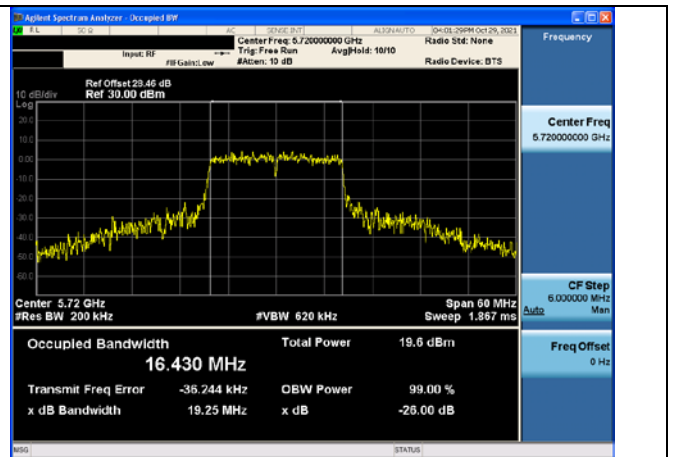
Test Mode	Antenna	26dB Bandwidth (MHz)
		Channel No.0
		5710MHz
802.11n HT40	Chain0	45.76
	Chain1	40.17
802.11ac VHT40	Chain0	48.25
	Chain1	40.32

Test Mode	Antenna	26dB Bandwidth (MHz)
		Channel No.0
		5690MHz
802.11ac VHT80	Chain0	78.46
	Chain1	86.81

Test Mode: 802.11a

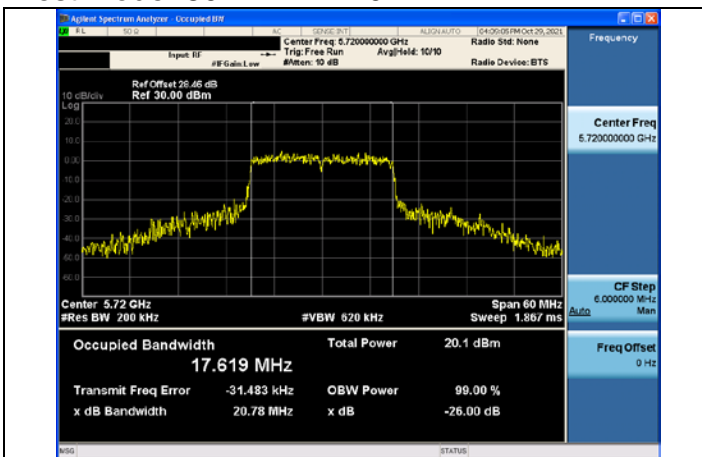


Test Mode:802.11a 5720MHz Chain0

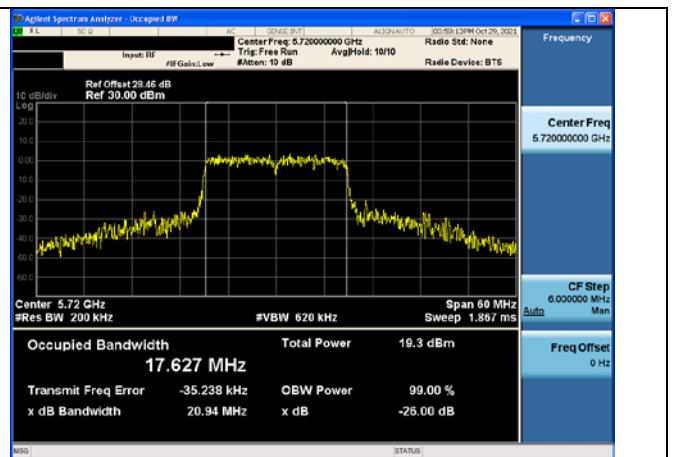


Test Mode:802.11a 5720MHz Chain1

Test Mode: 802.11n HT20

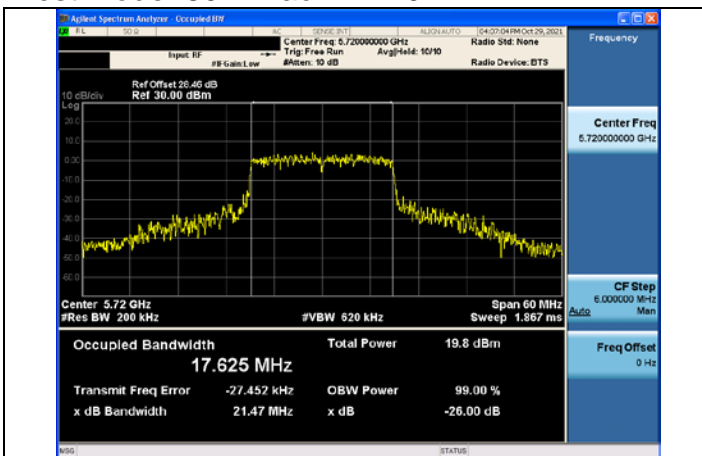


Test Mode:802.11n HT20 5720MHz Chain0

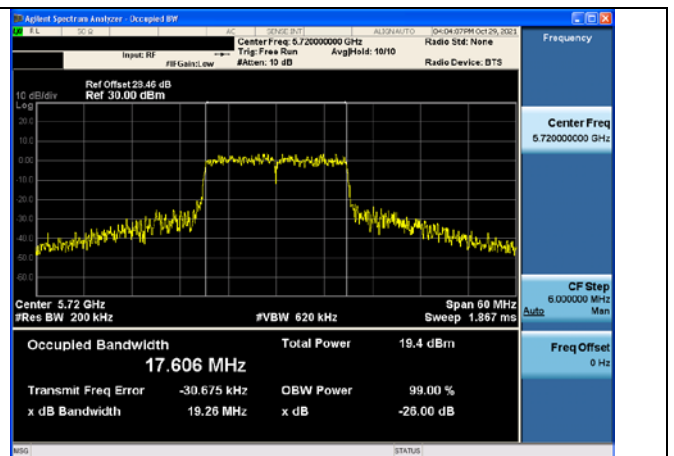


Test Mode:802.11n HT20 5720MHz Chain1

Test Mode: 802.11ac VHT20

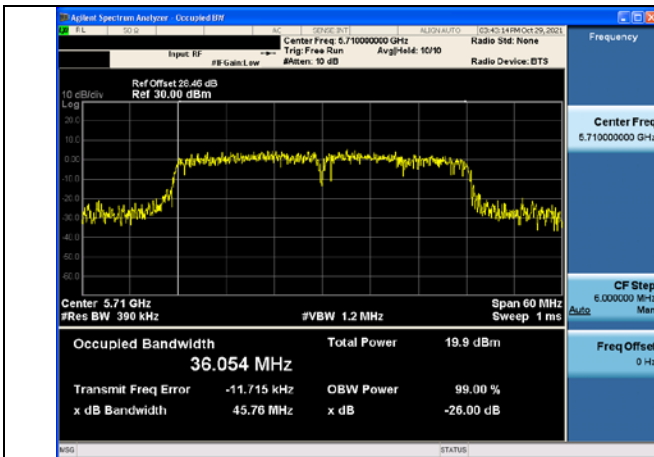


Test Mode:802.11ac VHT20 5720MHz Chain0

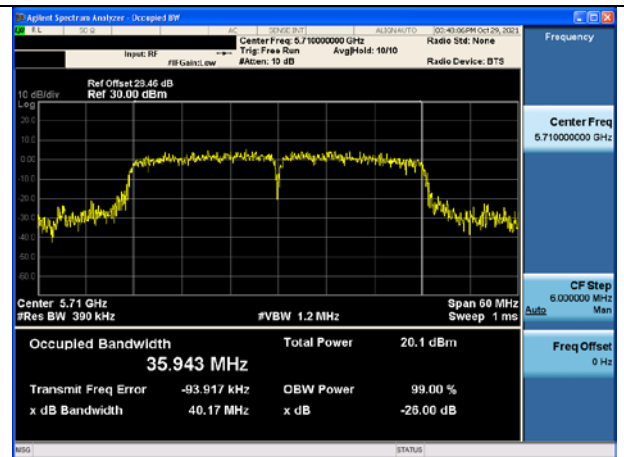


Test Mode:802.11ac VHT20 5720MHz Chain1

Test Mode: 802.11n HT40

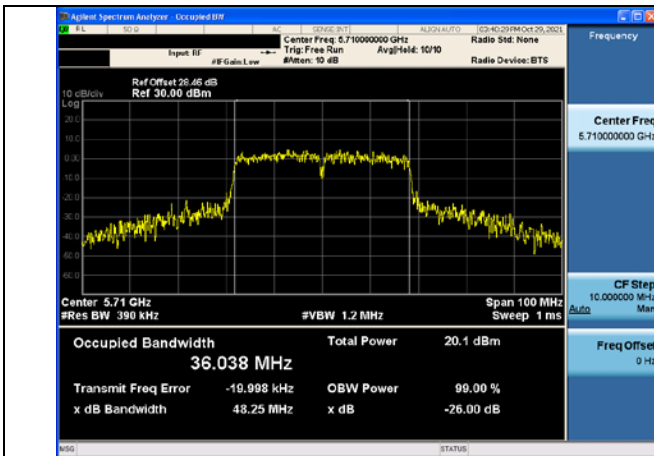


Test Mode:802.11n HT40 5710MHz Chain0

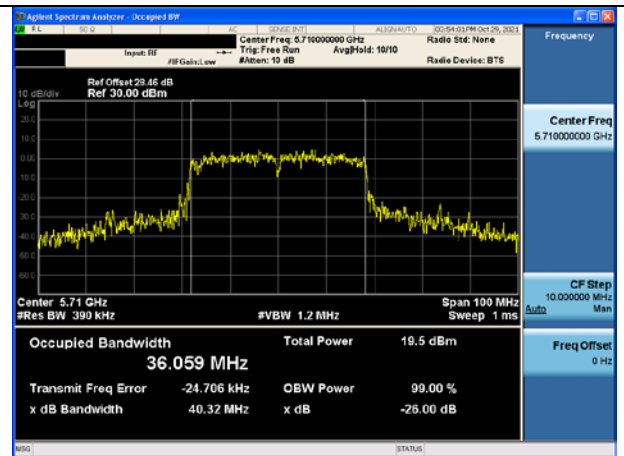


Test Mode:802.11n HT40 5710MHz Chain1

Test Mode: 802.11ac VHT40

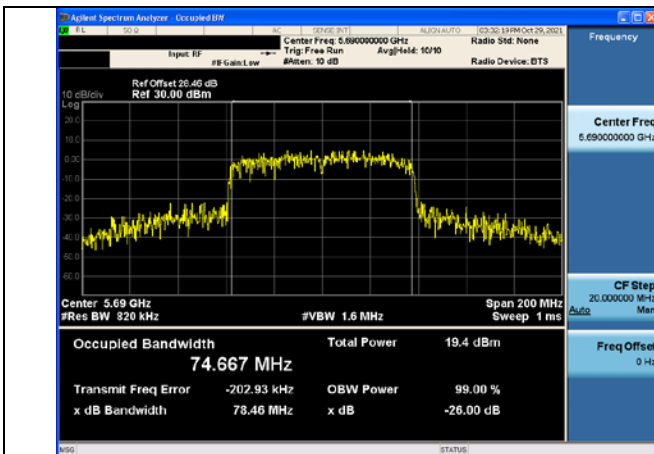


Test Mode:802.11ac VHT40 5710MHz Chain0

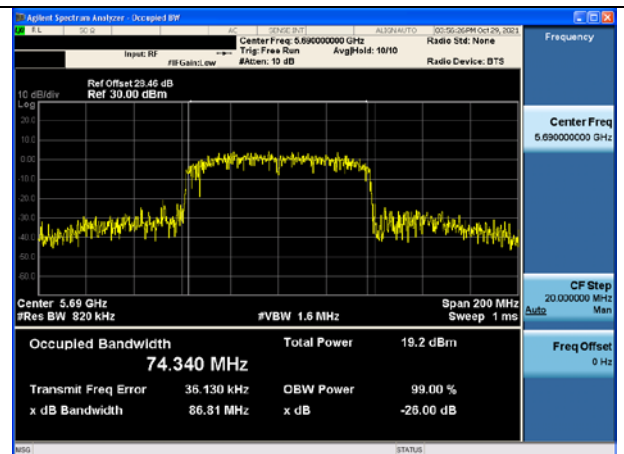


Test Mode:802.11ac VHT40 5710MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5690MHz Chain0



Test Mode:802.11ac VHT80 5690MHz Chain1

Occupied Bandwidth

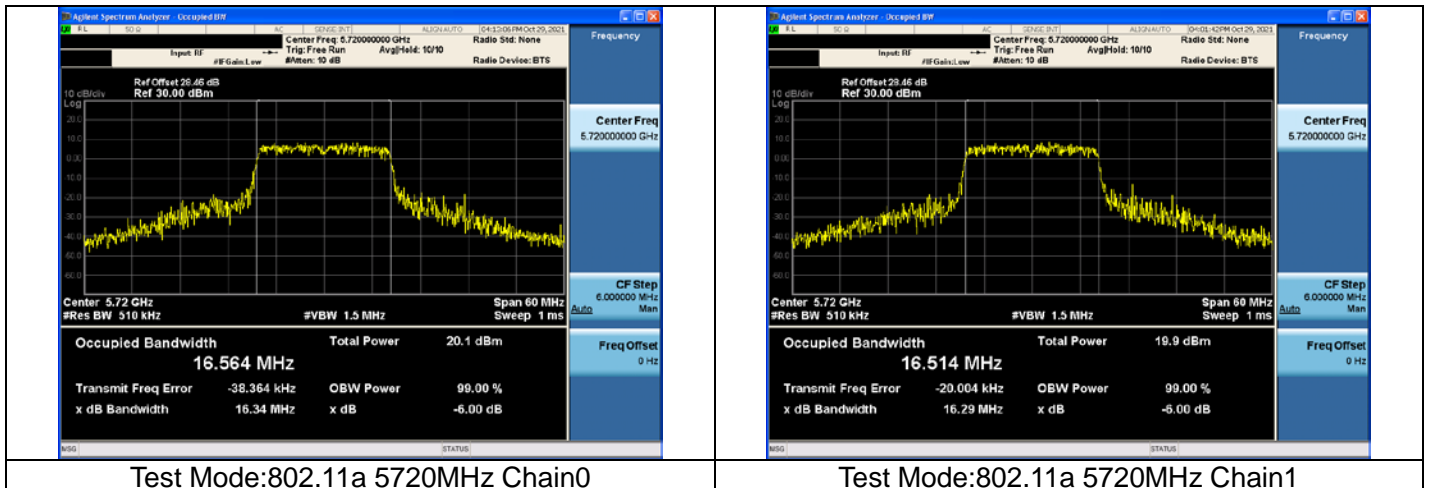
Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode	Antenna	Occupied Bandwidth (MHz)	
		Channel No.0	
		5720MHz	
802.11a	Chain0	16.564	
	Chain1	16.514	
802.11n HT20	Chain0	17.725	
	Chain1	17.700	
802.11ac VHT20	Chain0	17.735	
	Chain1	17.738	

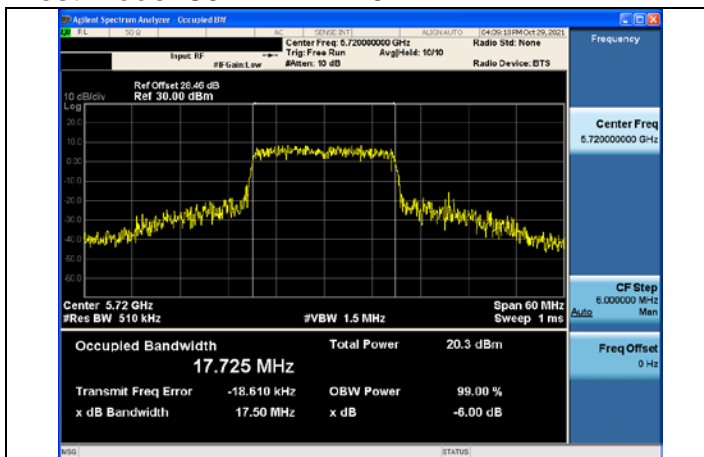
Test Mode	Antenna	Occupied Bandwidth (MHz)	
		Channel No.0	
		5710MHz	
802.11n HT40	Chain0	36.163	
	Chain1	36.162	
802.11ac VHT40	Chain0	36.206	
	Chain1	36.257	

Test Mode	Antenna	Occupied Bandwidth (MHz)	
		Channel No.0	
		5690MHz	
802.11ac VHT80	Chain0	74.240	
	Chain1	75.273	

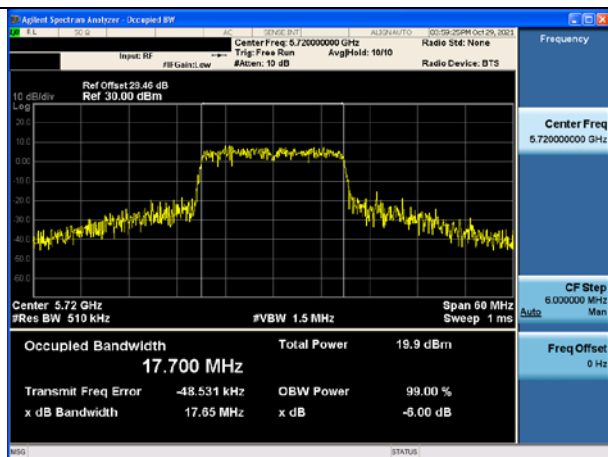
Test Mode: 802.11a



Test Mode: 802.11n HT20

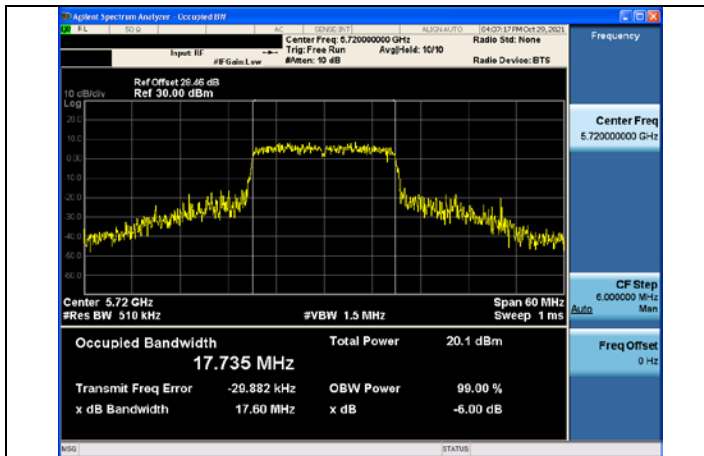


Test Mode:802.11n HT20 5720MHz Chain0

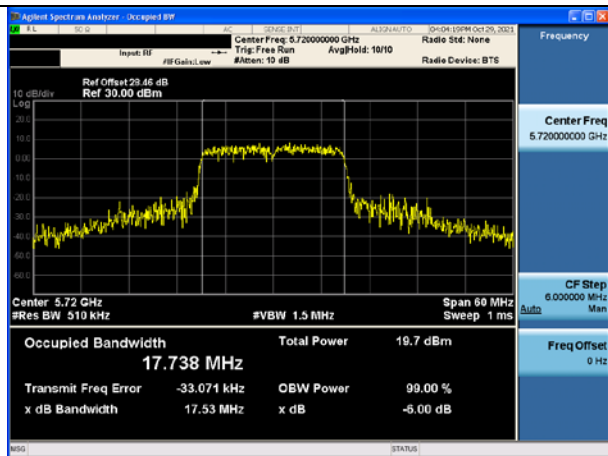


Test Mode:802.11n HT20 5720MHz Chain1

Test Mode: 802.11ac VHT20

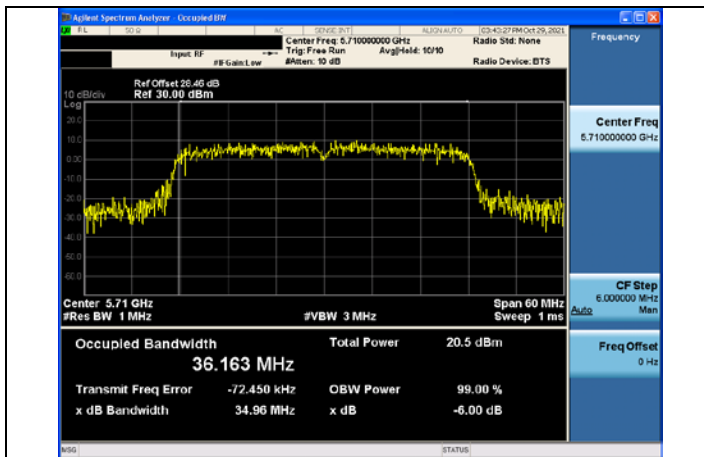


Test Mode:802.11ac VHT20 5720MHz Chain0

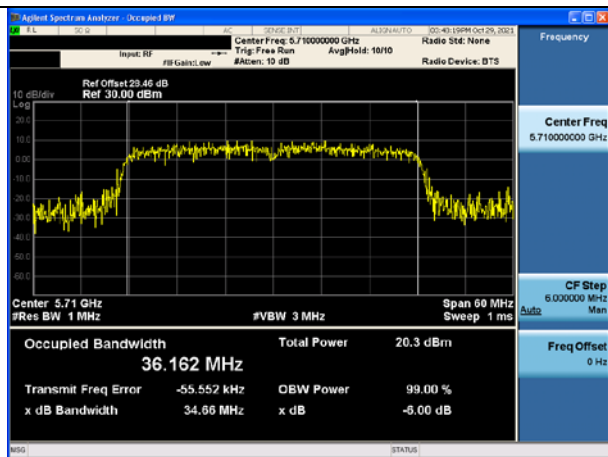


Test Mode:802.11ac VHT20 5720MHz Chain1

Test Mode: 802.11n HT40

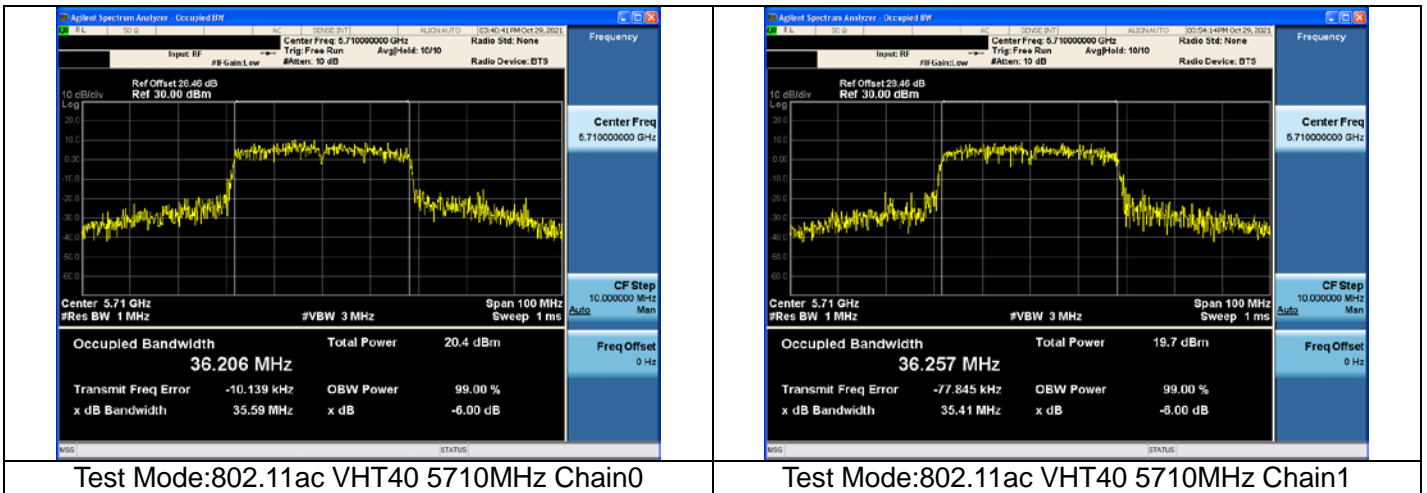


Test Mode:802.11n HT40 5710MHz Chain0



Test Mode:802.11n HT40 5710MHz Chain1

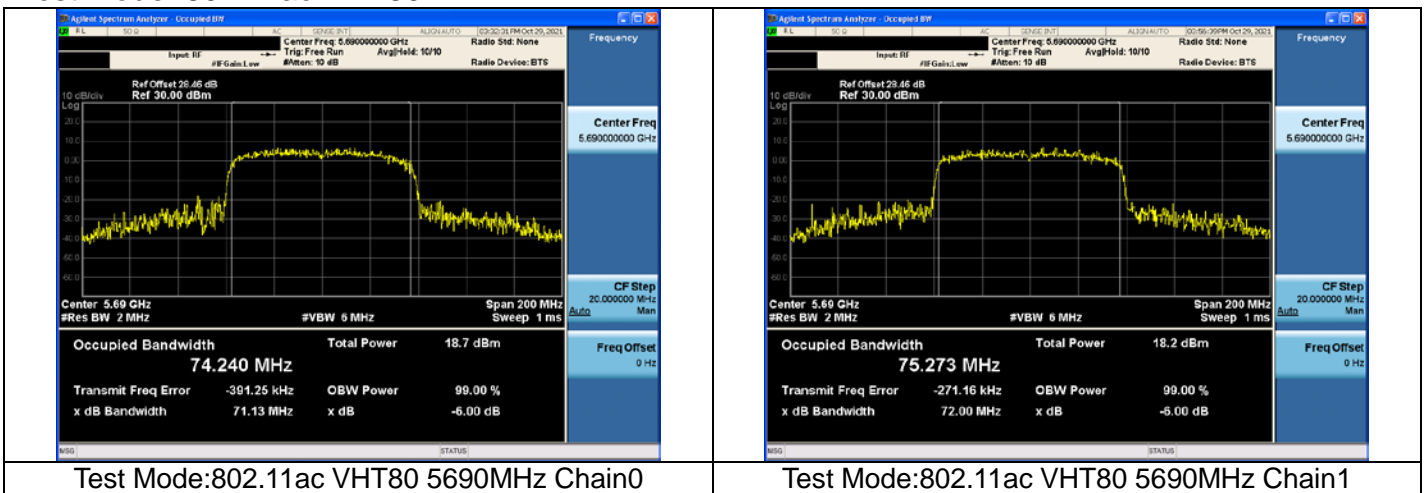
Test Mode: 802.11ac VHT40



Test Mode:802.11ac VHT40 5710MHz Chain0

Test Mode:802.11ac VHT40 5710MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5690MHz Chain0

Test Mode:802.11ac VHT80 5690MHz Chain1

6dB Bandwidth

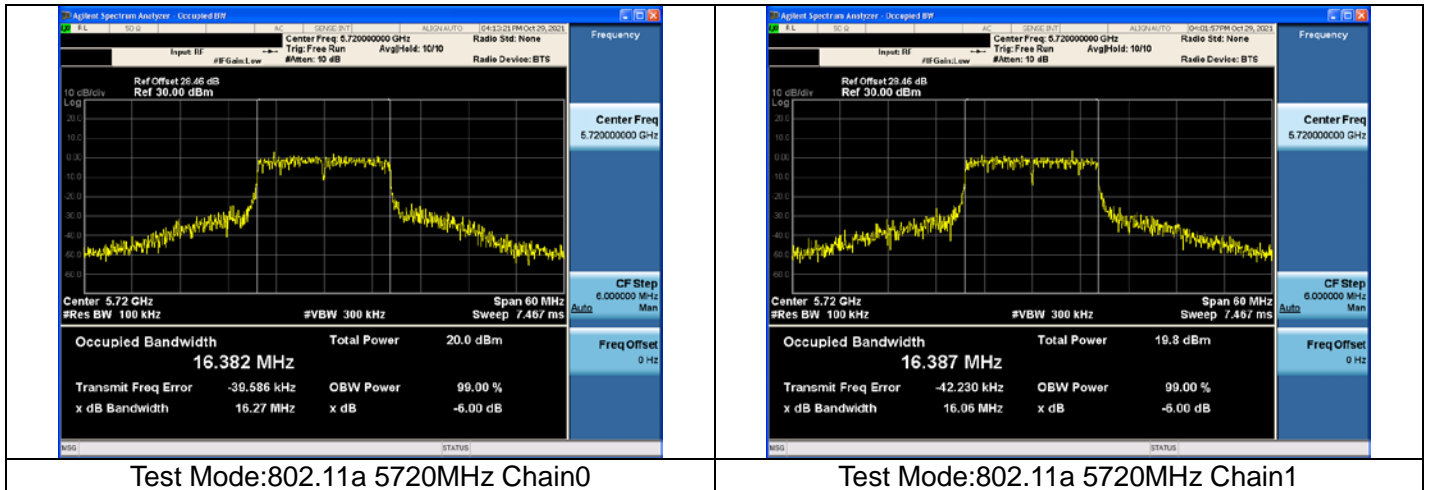
Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode	Antenna	6dB Bandwidth (MHz)
		Channel No.0
		5720MHz
802.11a	Chain0	16.27
	Chain1	16.06
802.11n HT20	Chain0	17.58
	Chain1	17.29
802.11ac VHT20	Chain0	17.60
	Chain1	17.57

Test Mode	Antenna	6dB Bandwidth (MHz)
		Channel No.0
		5710MHz
802.11n HT40	Chain0	33.69
	Chain1	34.82
802.11ac VHT40	Chain0	35.95
	Chain1	33.75

Test Mode	Antenna	6dB Bandwidth (MHz)
		Channel No.0
802.11ac VHT80	Chain0	5690MHz
	Chain1	74.48
		70.12

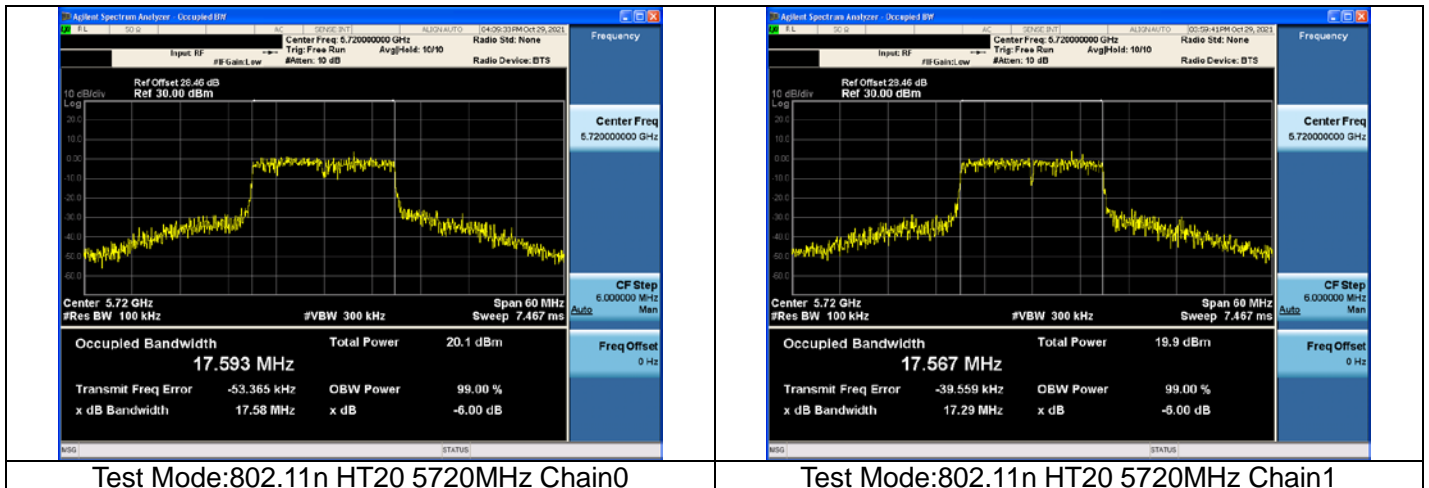
Test Mode: 802.11a



Test Mode:802.11a 5720MHz Chain0

Test Mode:802.11a 5720MHz Chain1

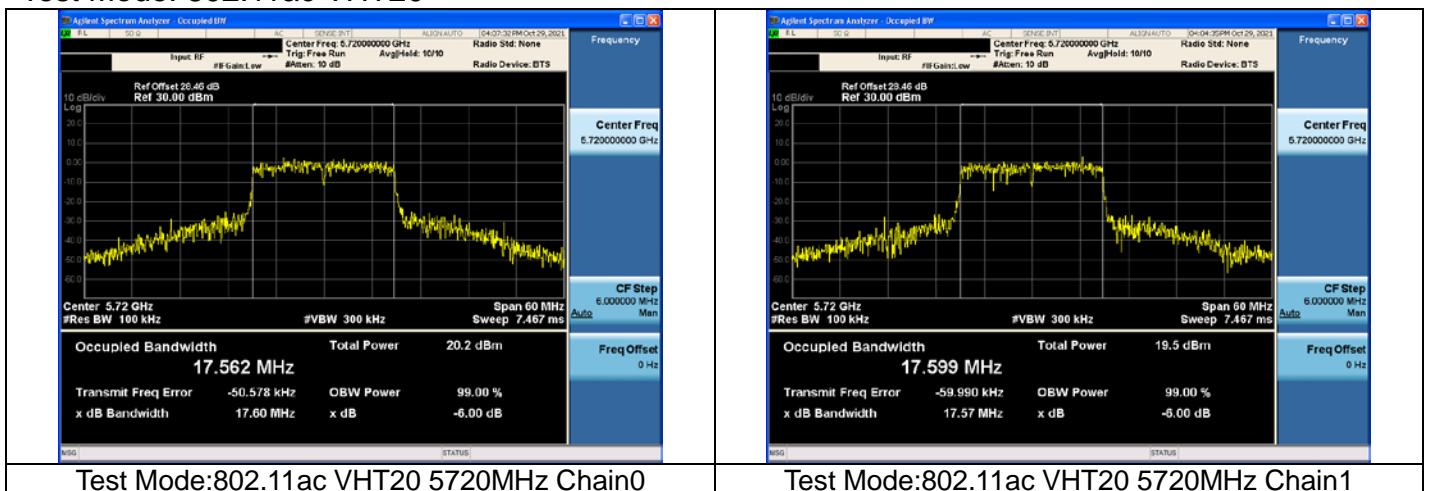
Test Mode: 802.11n HT20



Test Mode:802.11n HT20 5720MHz Chain0

Test Mode:802.11n HT20 5720MHz Chain1

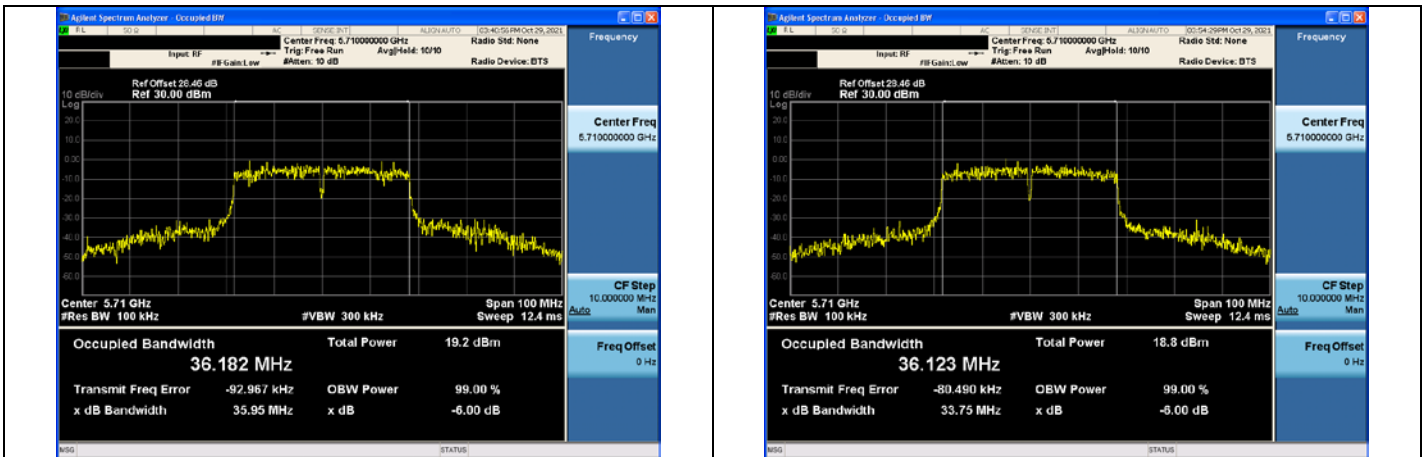
Test Mode: 802.11ac VHT20



Test Mode:802.11ac VHT20 5720MHz Chain0

Test Mode:802.11ac VHT20 5720MHz Chain1

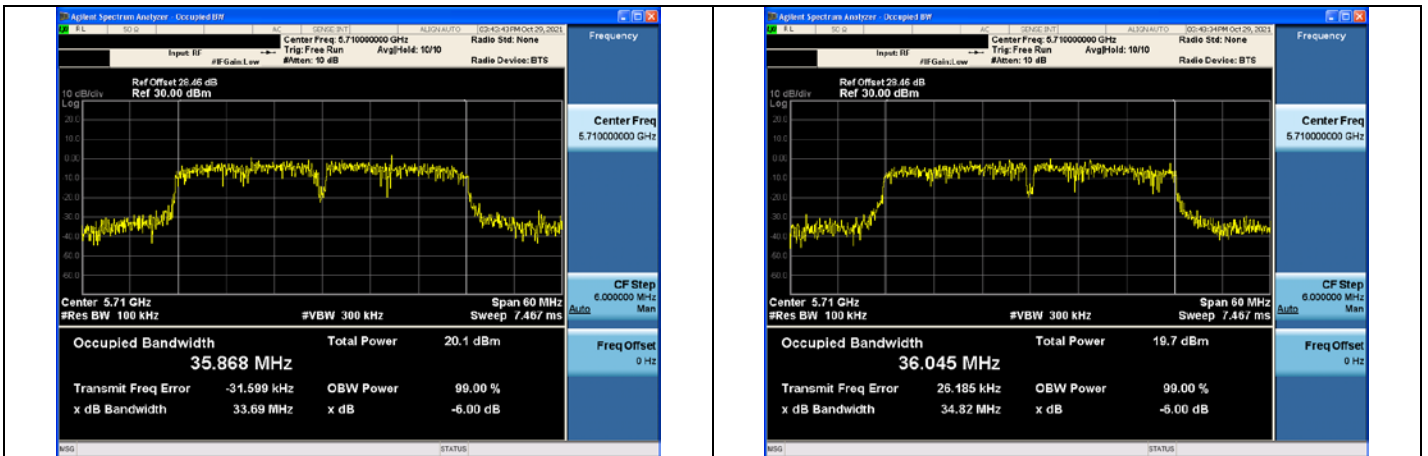
Test Mode: 802.11ac VHT40



Test Mode:802.11n HT40 5710MHz Chain0

Test Mode:802.11n HT40 5710MHz Chain1

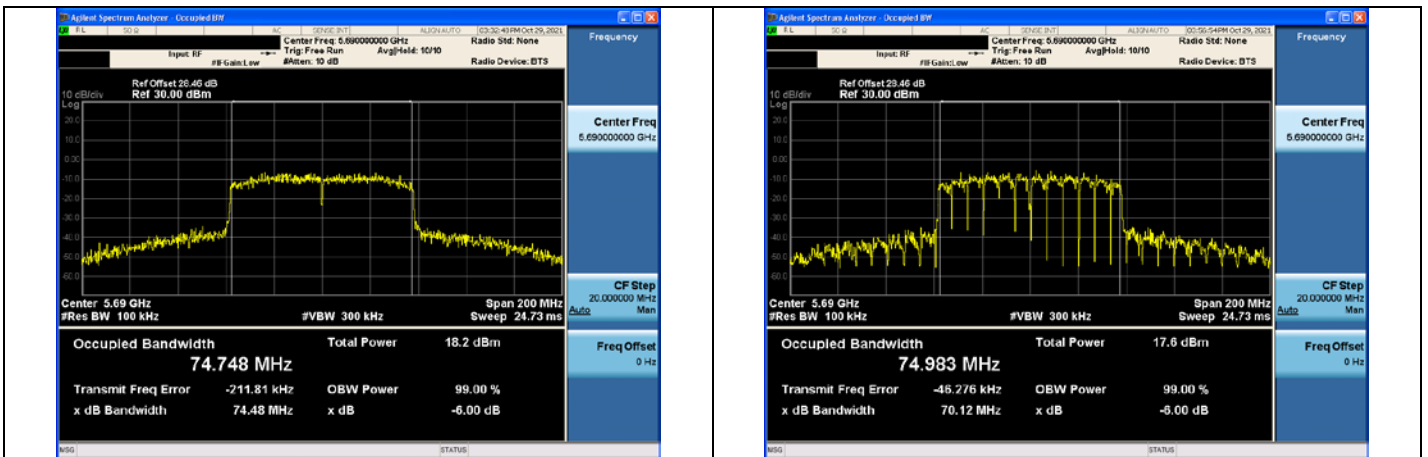
Test Mode: 802.11n HT40



Test Mode:802.11ac VHT40 5710MHz Chain0

Test Mode:802.11ac VHT40 5710MHz Chain1

Test Mode: 802.11ac VHT80



Test Mode:802.11ac VHT80 5690MHz Chain0

Test Mode:802.11ac VHT80 5690MHz Chain1

Transmitter Power Spectral Density

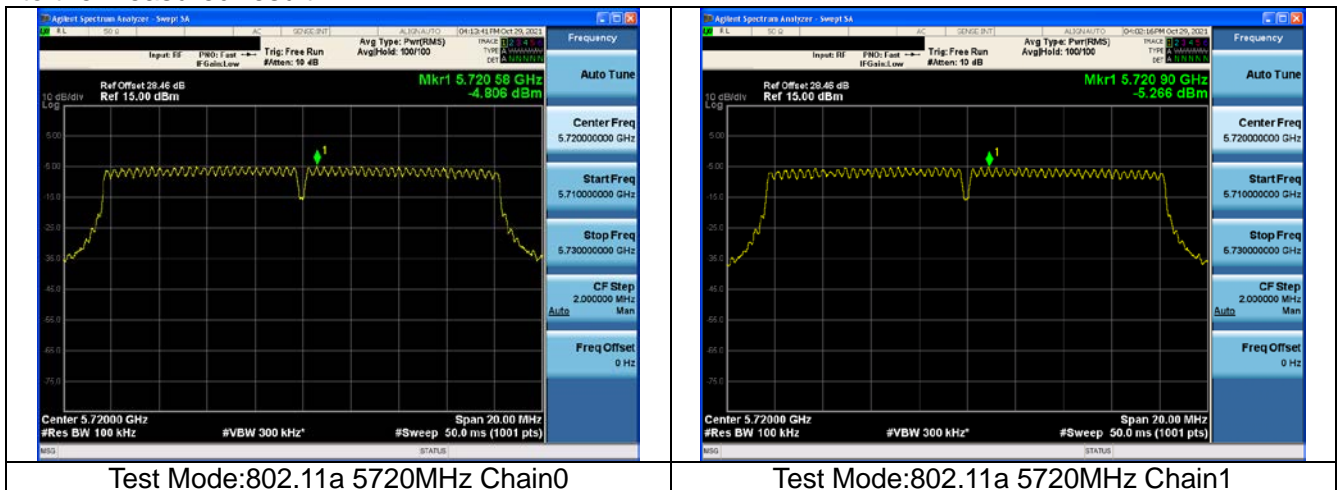
Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

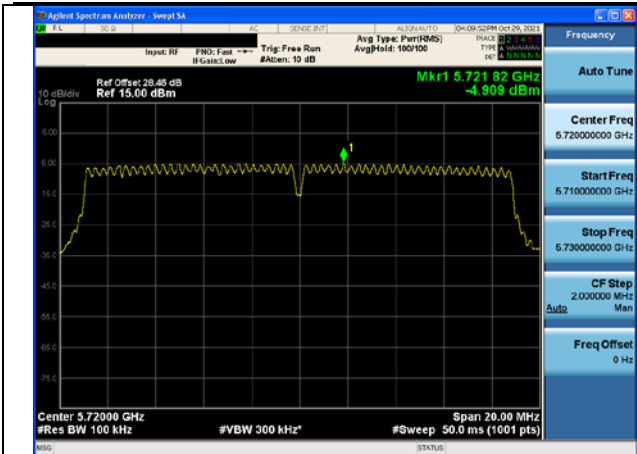
Test Mode	Antenna	Channel No.0	
		5720 MHz	
		Correction Factor(dB)	Power Density (dBm/500kHz)
802.11a	Chain0	0	2.184
	Chain1	0	1.724
	MIMO	0	4.970
802.11n HT20	Chain0	0	2.081
	Chain1	0	1.713
	MIMO	0	4.911
802.11ac VHT20	Chain0	0	2.372
	Chain1	0	1.641
	MIMO	0	5.032

Test Mode	Antenna	Channel No.0	
		5710 MHz	
		Correction Factor(dB)	Power Density (dBm/500kHz)
802.11n HT40	Chain0	0	-0.779
	Chain1	0	-1.202
	MIMO	0	2.025
802.11ac VHT40	Chain0	0	-0.499
	Chain1	0	-1.377
	MIMO	0	2.094

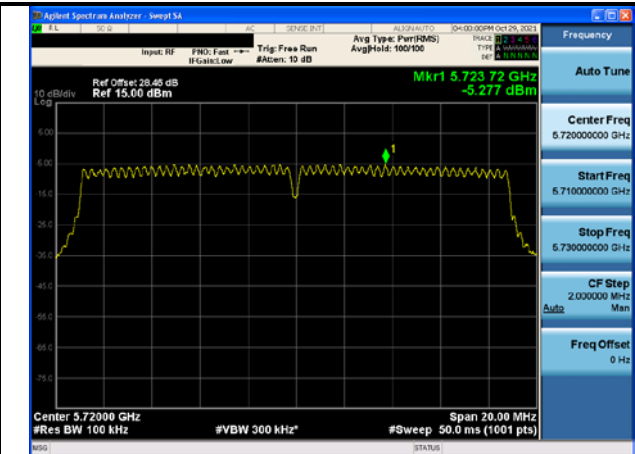
Test Mode	Antenna	Channel No.0	
		5690 MHz	
		Correction Factor(dB)	Power Density (dBm/500kHz)
802.11ac VHT80	Chain0	0	-4.912
	Chain1	0	-5.784
	MIMO	0	-2.316

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

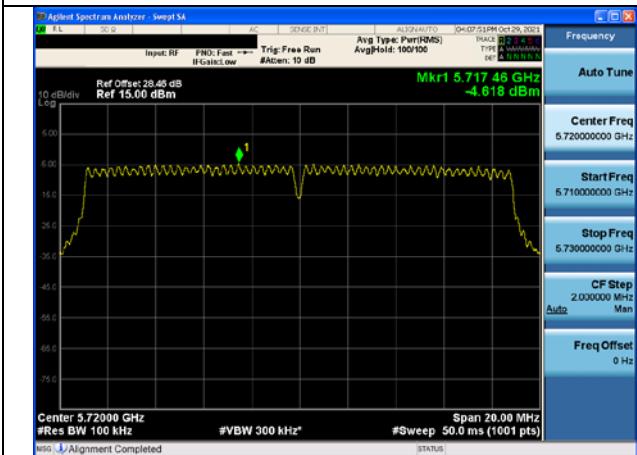




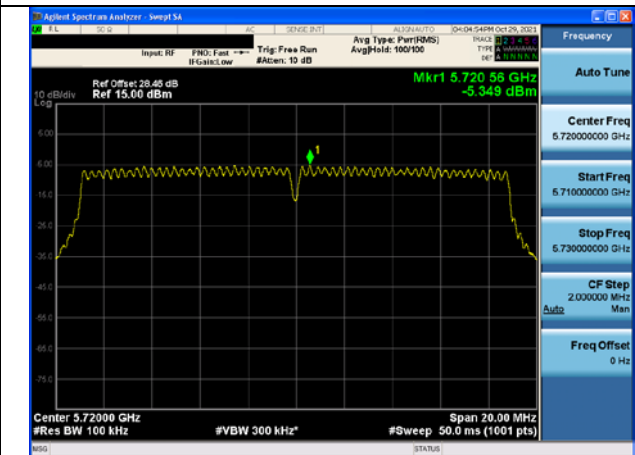
Test Mode:802.11n HT20 5720MHz Chain0



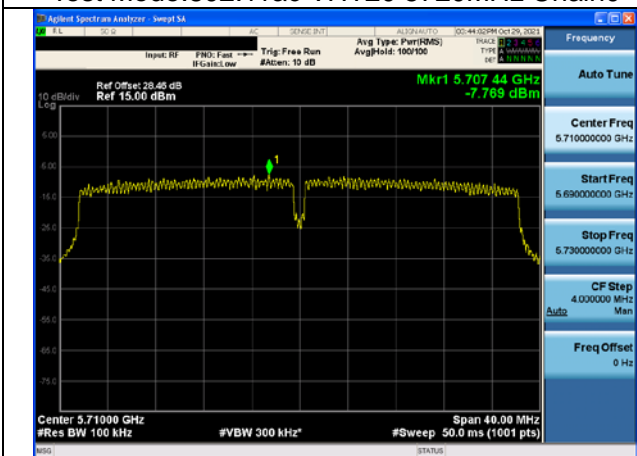
Test Mode:802.11n HT20 5720MHz Chain1



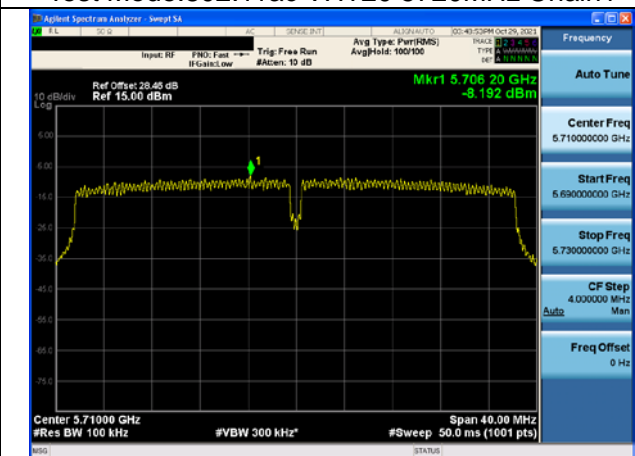
Test Mode:802.11ac VHT20 5720MHz Chain0



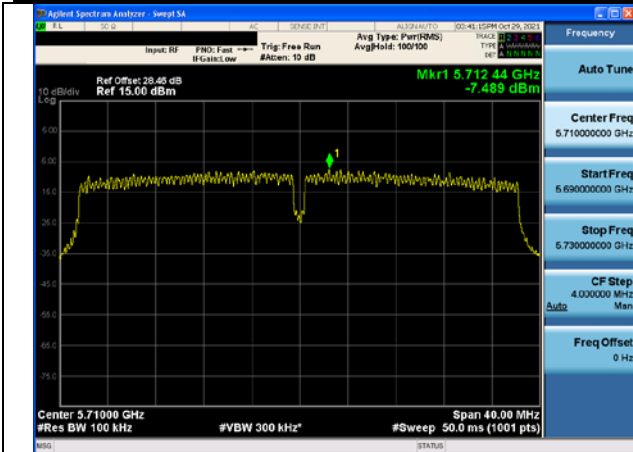
Test Mode:802.11ac VHT20 5720MHz Chain1



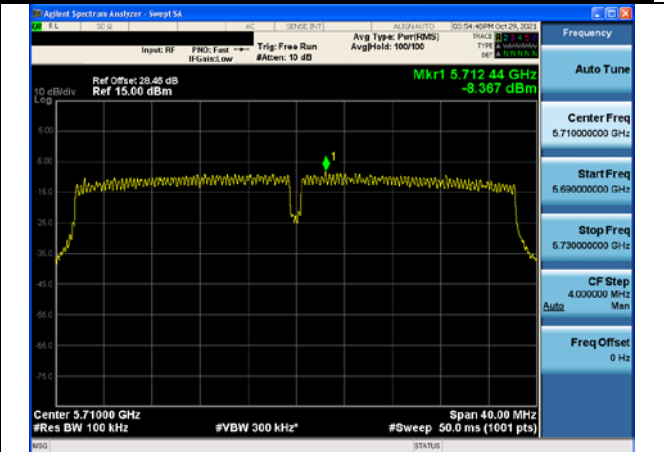
Test Mode:802.11n HT40 5710MHz Chain0



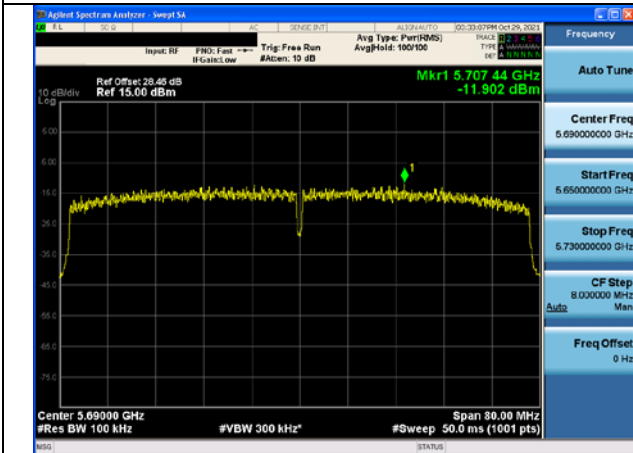
Test Mode:802.11n HT40 5710MHz Chain1



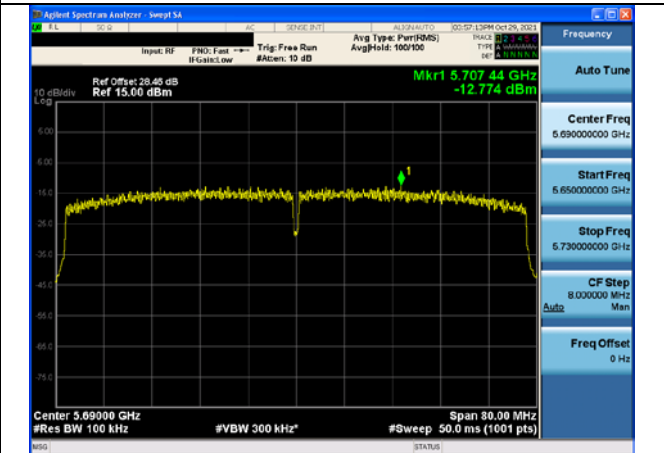
Test Mode: 802.11ac VHT40 5710MHz Chain0



Test Mode: 802.11ac VHT40 5710MHz Chain1



Test Mode: 802.11ac VHT80 5690MHz Chain0



Test Mode: 802.11ac VHT80 5690MHz Chain1