

## APPENDIX A3 – TEST DATA OF CONDUCTED EMISSION

### Duty cycle

Test Mode	Duty Cycle (%)	Correction Factor(dB)
802.11a	98.73%	0.06
802.11n HT20	98.67%	0.06
802.11n HT40	97.28%	0.12
802.11ac VHT80	94.66%	0.24

### Output Power UNII-2C

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	NA	5500	Chain0	15.09
			Chain1	14.25
		5580	Chain0	15.52
			Chain1	15.09
		5700	Chain0	16.77
			Chain1	16.68
802.11n20M		5500	Chain0	14.66
			Chain1	14.48
		5580	Chain0	15.56
			Chain1	15.19
		5700	Chain0	16.93
			Chain1	16.73
802.11n40M	5510	Chain0	14.77	
		Chain1	14.66	
	5590	Chain0	15.53	
		Chain1	15.43	
	5670	Chain0	16.11	
		Chain1	16.07	
802.11ac20M	5500	Chain0	14.95	
		Chain1	14.51	
	5580	Chain0	15.42	
		Chain1	15.16	
	5700	Chain0	16.75	
		Chain1	16.75	
802.11ac40M	5510	Chain0	14.79	
		Chain1	14.95	
	5590	Chain0	15.90	
		Chain1	15.41	
	5670	Chain0	16.20	

802.11ac80M	5530	Chain1	16.08
		Chain0	14.58
	5610	Chain1	14.24
		Chain0	15.54
		Chain1	16.17

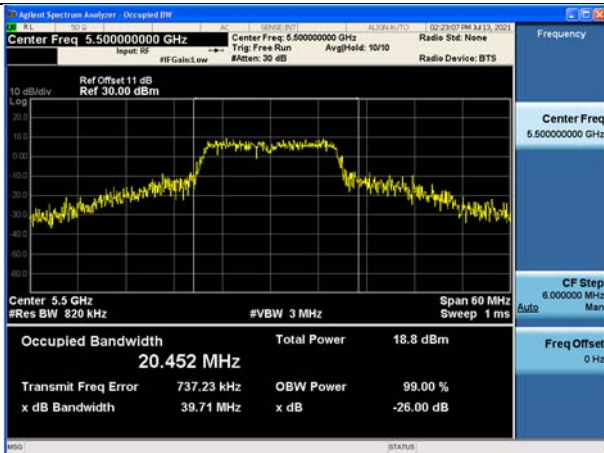
Emission Bandwidth

Offset 11 dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 0.5dB

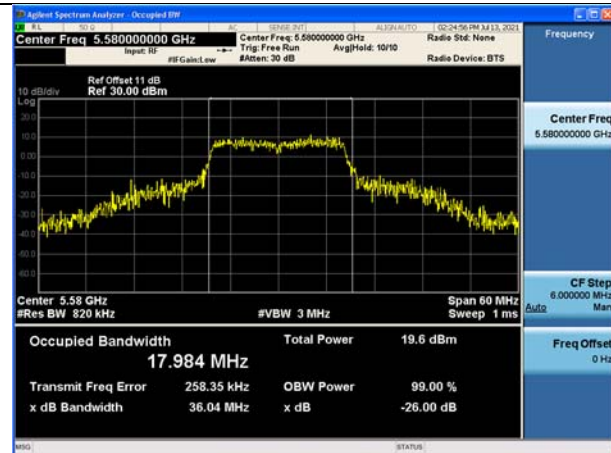
Test Mode: 802.11a

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	39.71
	Chain1	39.21
5580	Chain0	36.04
	Chain1	36.63
5700	Chain0	32.07
	Chain1	35.00

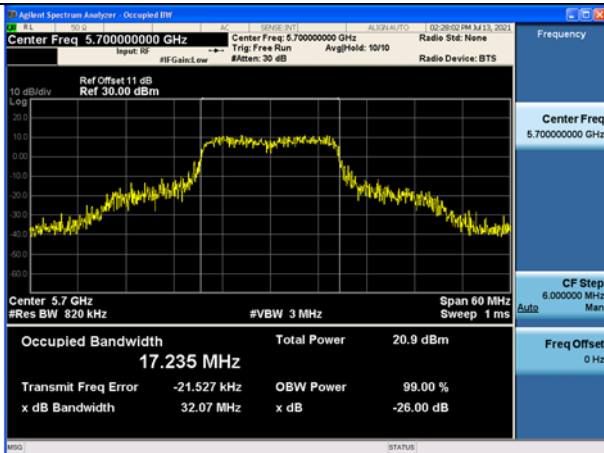
Test Mode: 802.11a Chain0



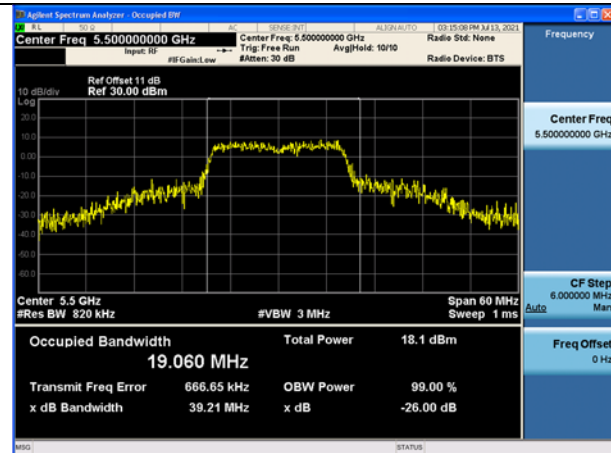
Test Mode: 802.11a Chain0



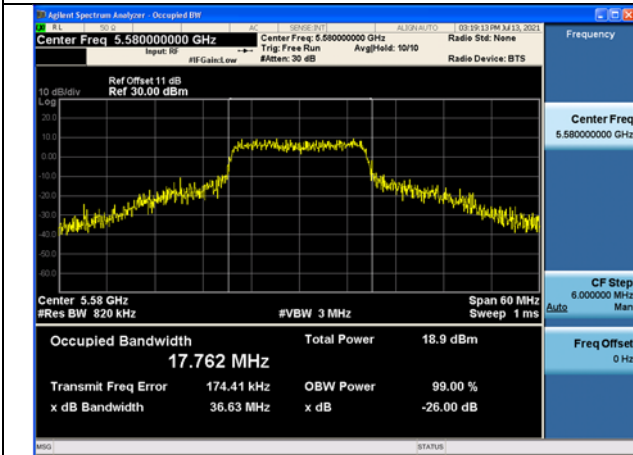
Test Mode: 802.11a Chain0



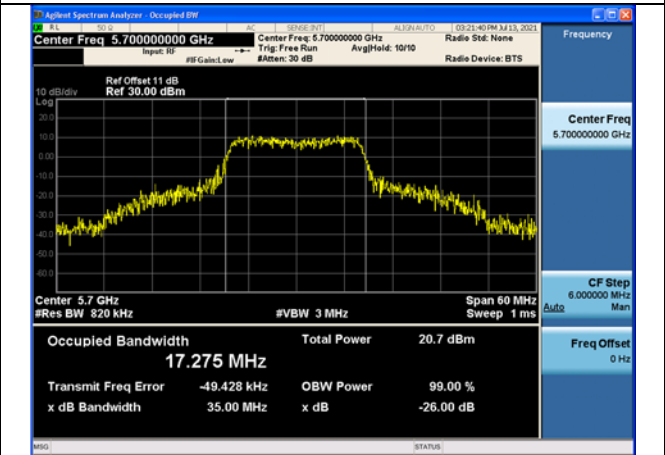
Test Mode: 802.11a Chain1



Test Mode: 802.11a Chain1



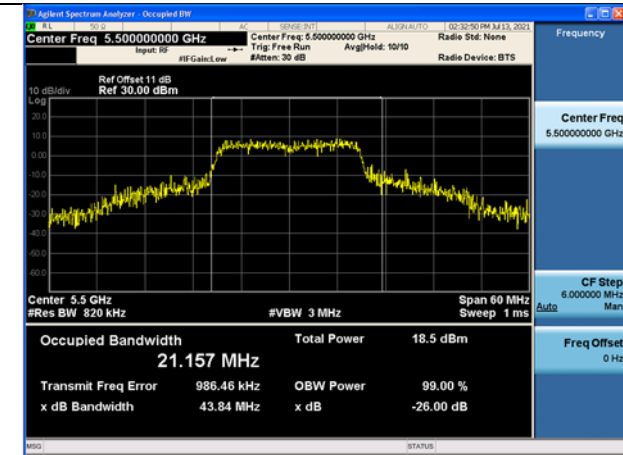
Test Mode: 802.11a Chain1



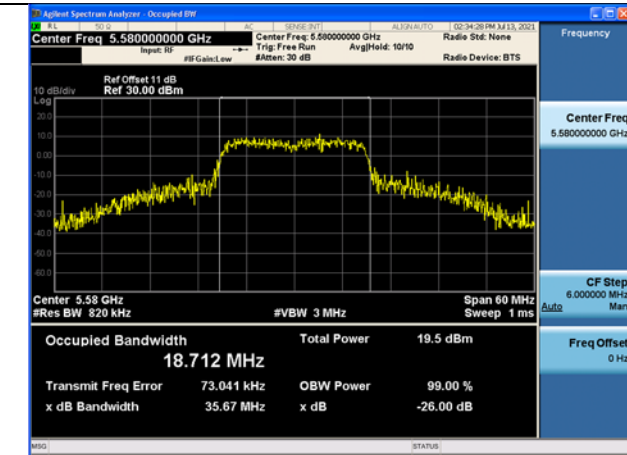
Test Mode: 802.11n HT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	43.84
	Chain1	42.89
5580	Chain0	35.67
	Chain1	37.72
5700	Chain0	30.94
	Chain1	34.59

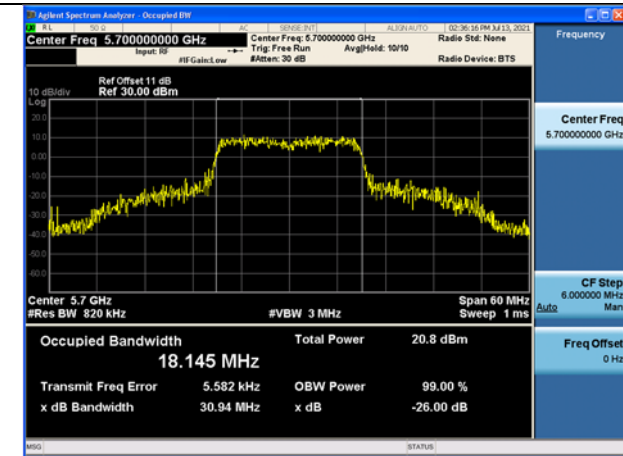
Test Mode: 802.11n HT20 Chain0



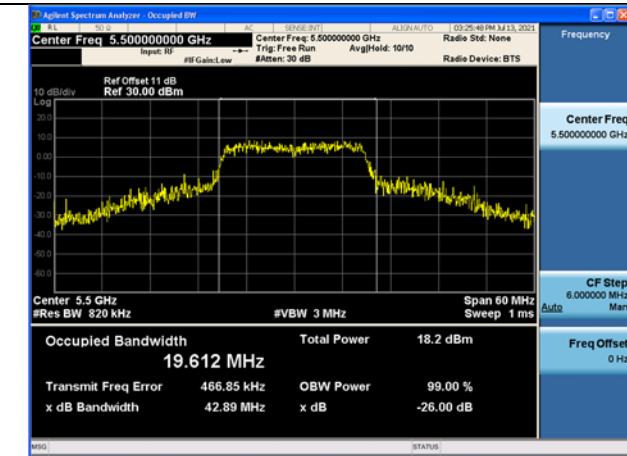
Test Mode: 802.11n HT20 Chain0



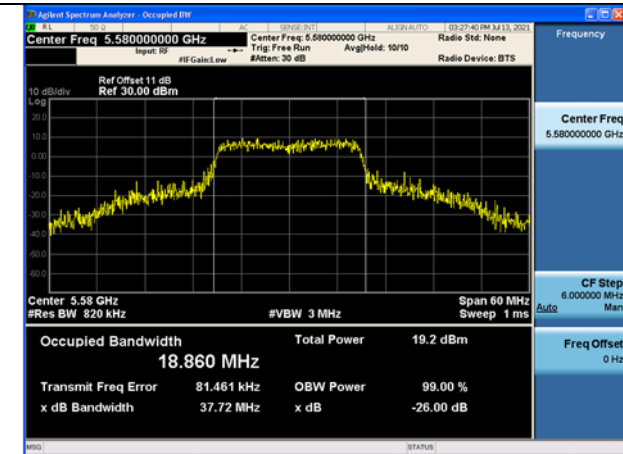
Test Mode: 802.11n HT20 Chain0



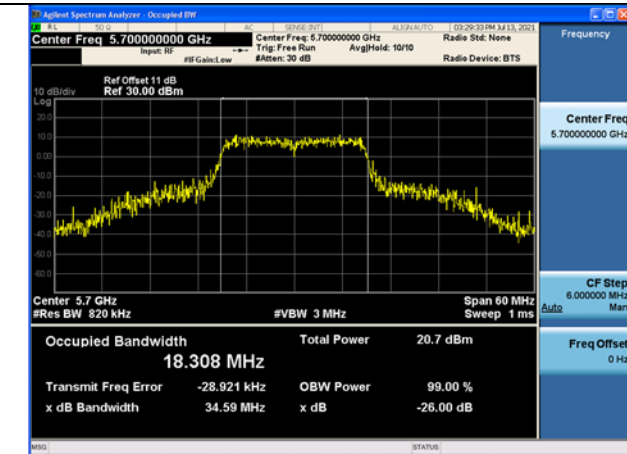
Test Mode: 802.11n HT20 Chain1



Test Mode: 802.11n HT20 Chain1



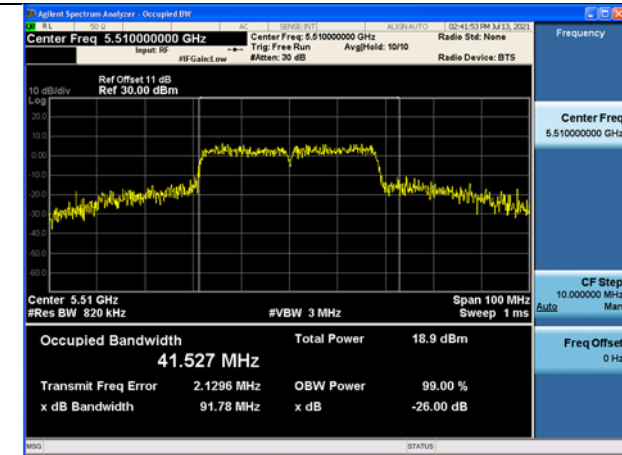
Test Mode: 802.11n HT20 Chain1



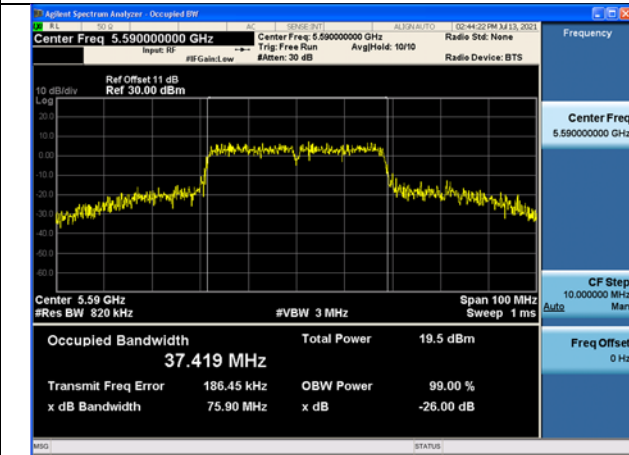
Test Mode: 802.11n HT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	91.78
	Chain1	86.52
5590	Chain0	75.90
	Chain1	73.41
5670	Chain0	65.11
	Chain1	65.01

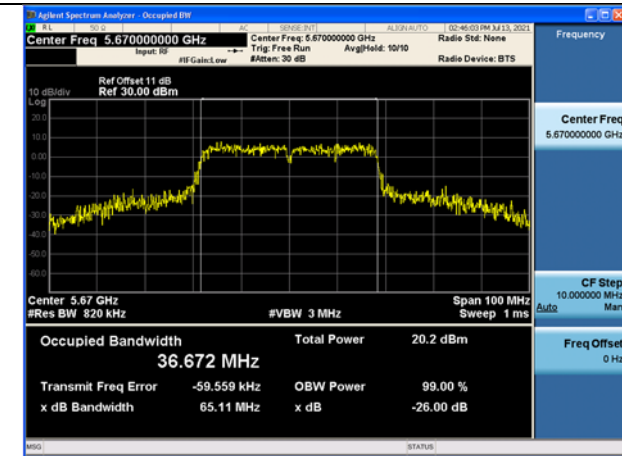
Test Mode: 802.11n HT40 Chain0



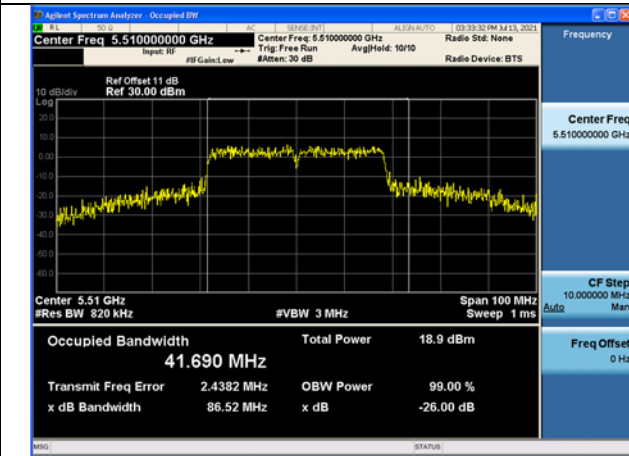
Test Mode: 802.11n HT40 Chain0



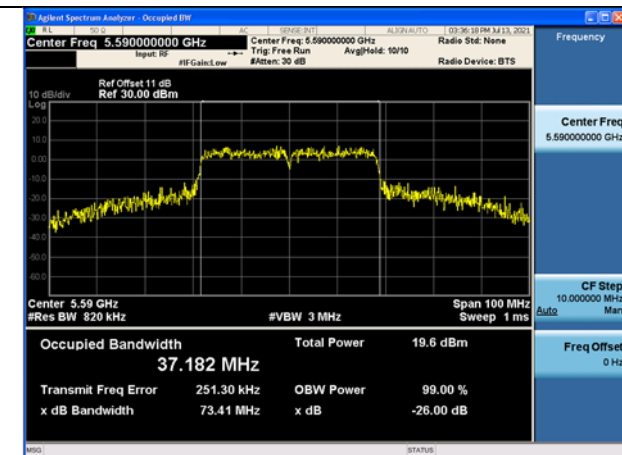
Test Mode: 802.11n HT40 Chain0



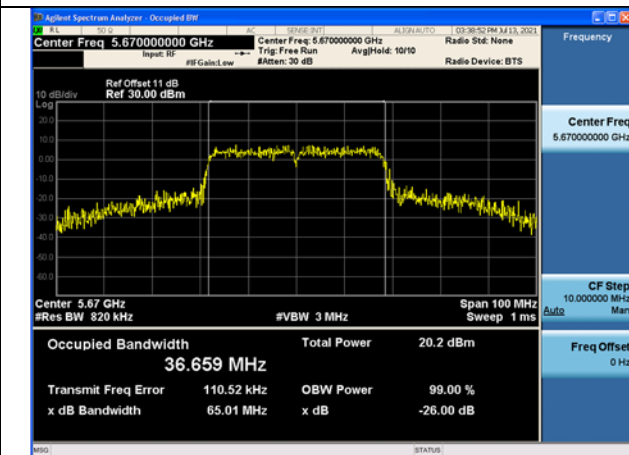
Test Mode: 802.11n HT40 Chain1



Test Mode: 802.11n HT40 Chain1



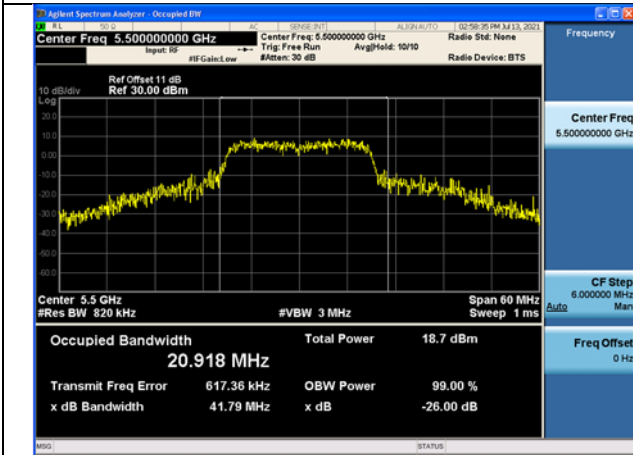
Test Mode: 802.11n HT40 Chain1



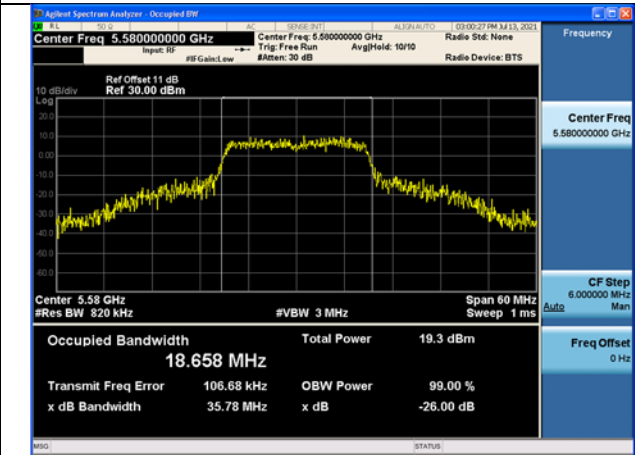
Test Mode: 802.11ac VHT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	41.79
	Chain1	41.83
5580	Chain0	35.78
	Chain1	37.70
5700	Chain0	33.76
	Chain1	31.08

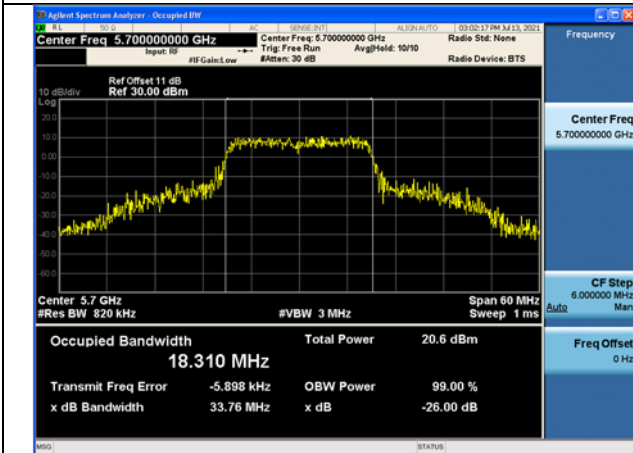
Test Mode: 802.11ac VHT20 Chain0



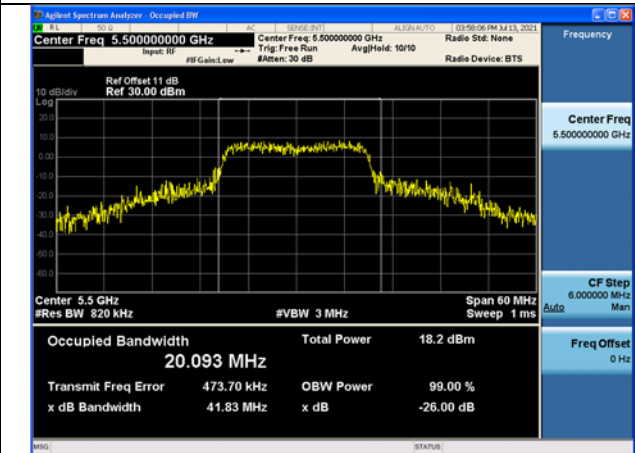
Test Mode: 802.11ac VHT20 Chain0



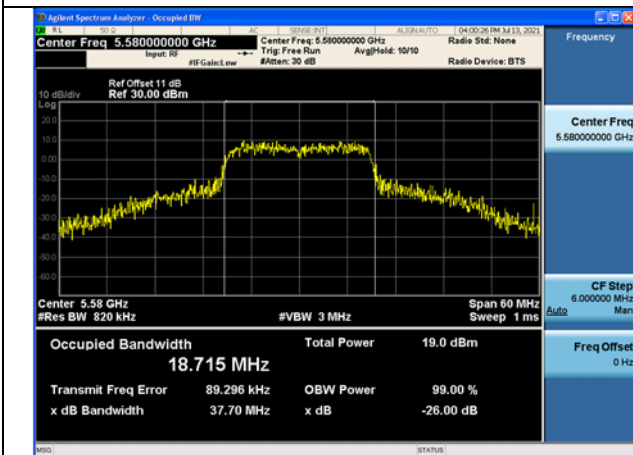
Test Mode: 802.11ac VHT20 Chain0



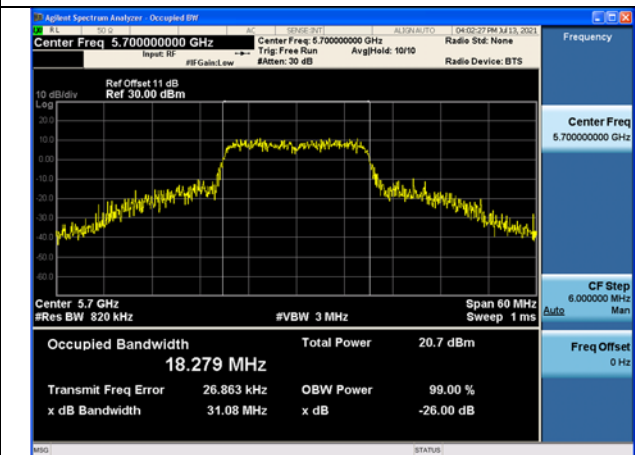
Test Mode: 802.11ac VHT20 Chain1



Test Mode: 802.11ac VHT20 Chain1



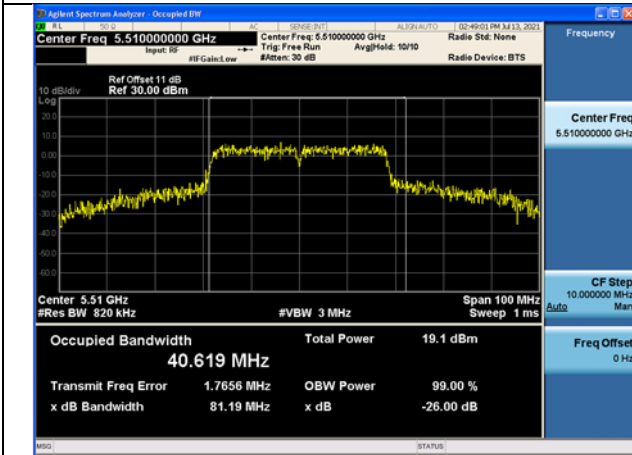
Test Mode: 802.11ac VHT20 Chain1



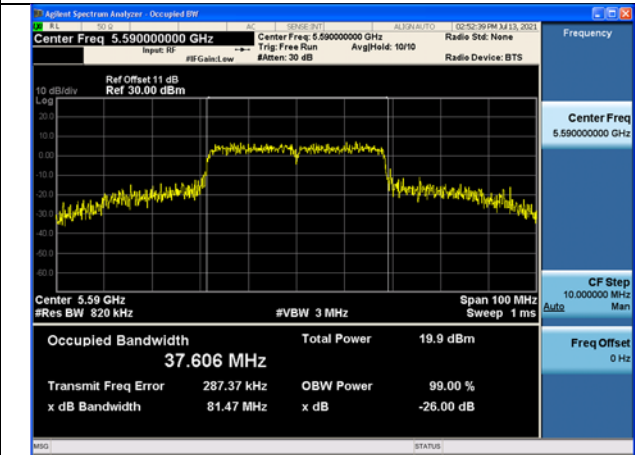
Test Mode: 802.11ac VHT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	81.19
	Chain1	84.00
5590	Chain0	81.47
	Chain1	72.98
5670	Chain0	65.32
	Chain1	57.13

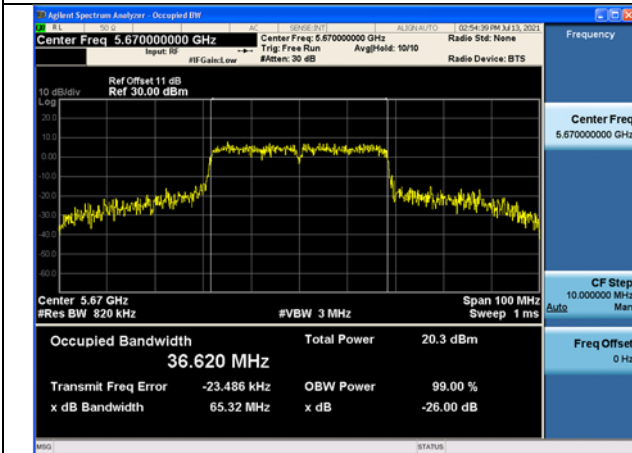
Test Mode: 802.11ac VHT40 Chain0



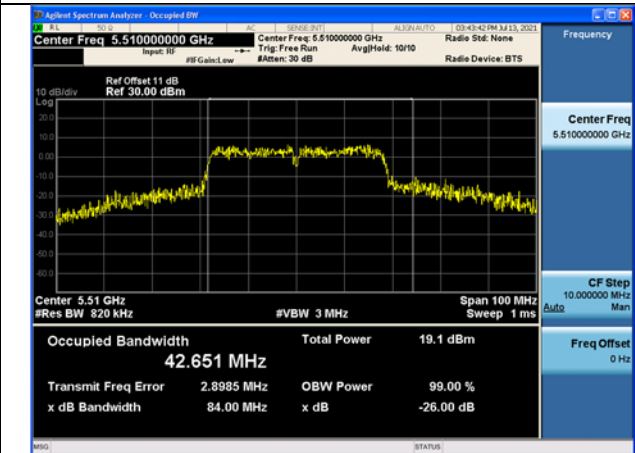
Test Mode: 802.11ac VHT40 Chain0



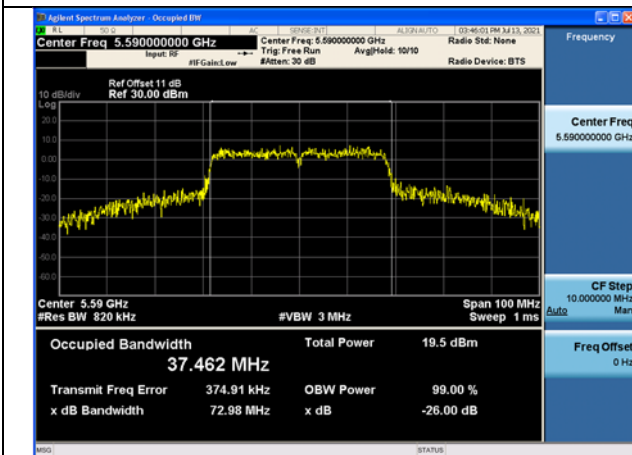
Test Mode: 802.11ac VHT40 Chain0



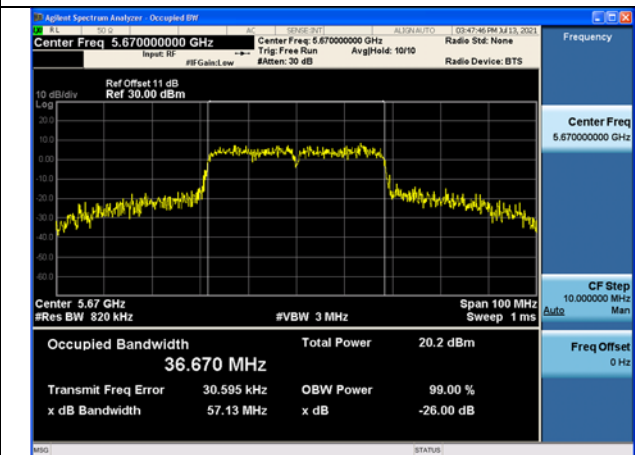
Test Mode: 802.11ac VHT40 Chain1



Test Mode: 802.11ac VHT40 Chain1



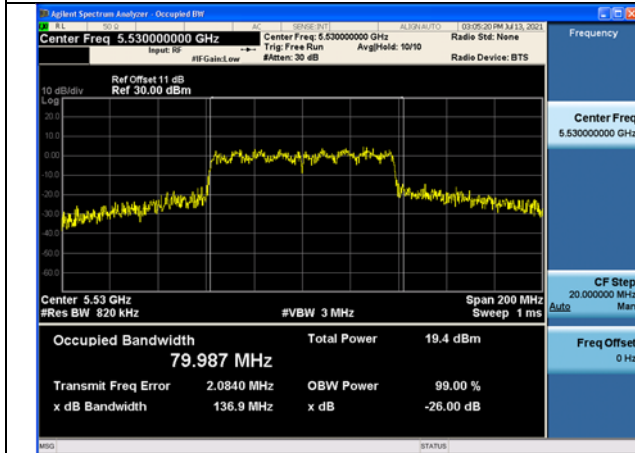
Test Mode: 802.11ac VHT40 Chain1



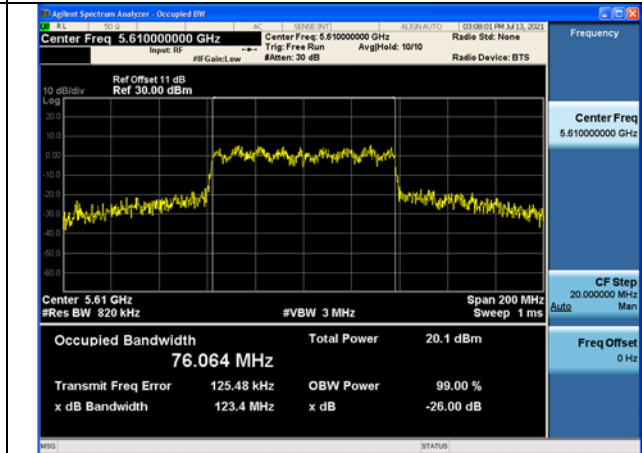
Test Mode: 802.11ac VHT80

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	136.90
	Chain1	134.43
5610	Chain0	123.39
	Chain1	158.28

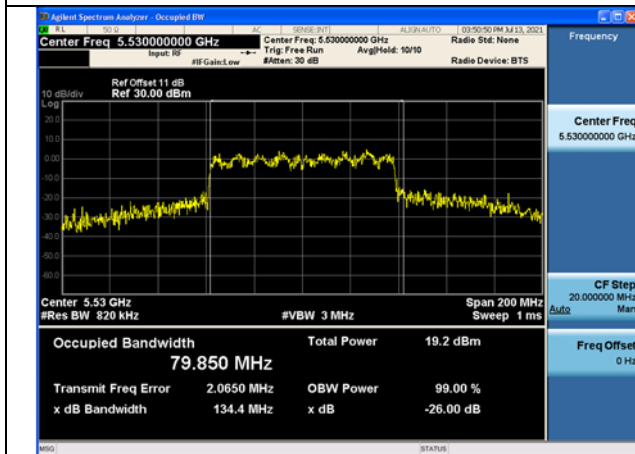
Test Mode: 802.11ac VHT80 Chain0



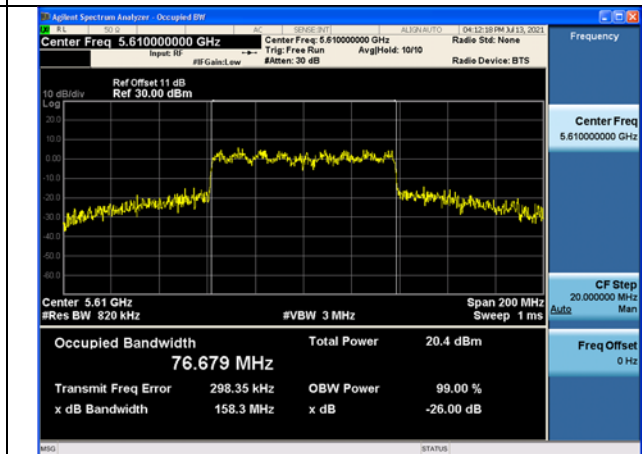
Test Mode: 802.11ac VHT80 Chain0



Test Mode: 802.11ac VHT80 Chain1



Test Mode: 802.11ac VHT80 Chain1





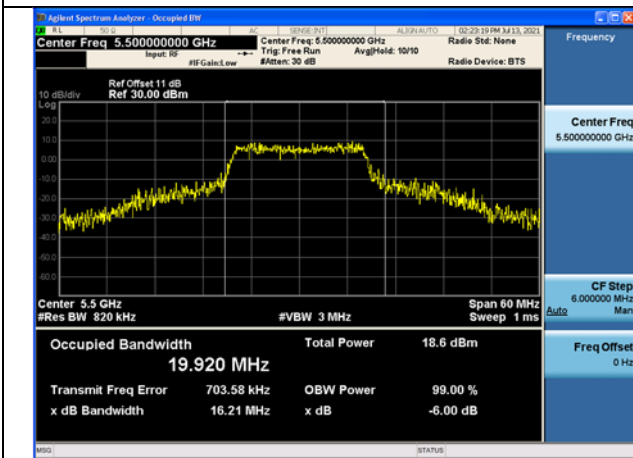
Occupied Bandwidth

Offset 11 dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 0.5dB

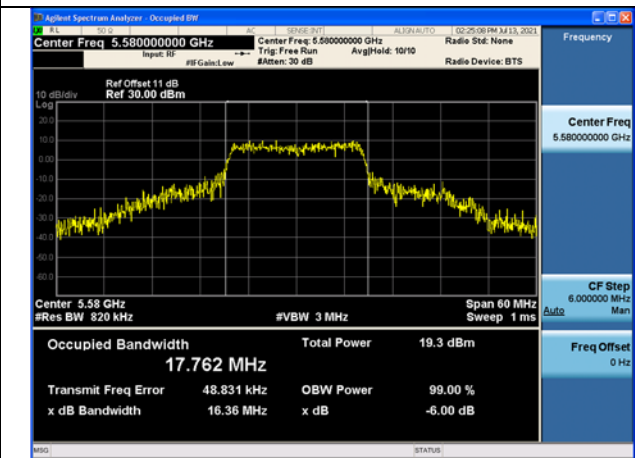
Test Mode: 802.11a

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	19.920
	Chain1	18.806
5580	Chain0	17.762
	Chain1	18.048
5700	Chain0	17.397
	Chain1	17.305

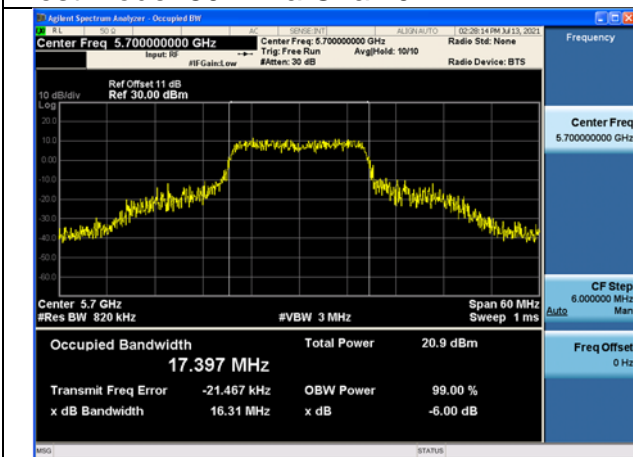
Test Mode: 802.11a Chain0



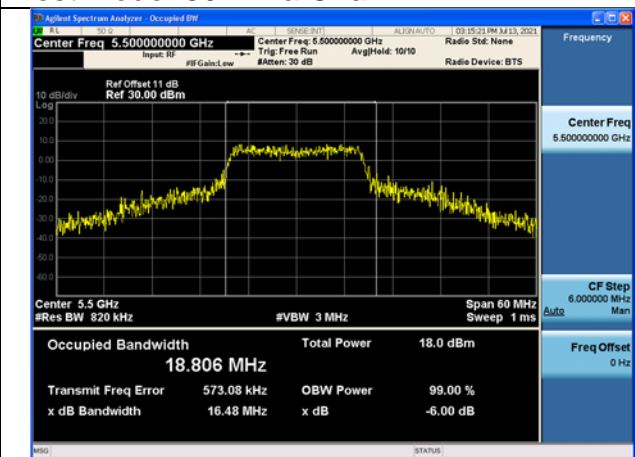
Test Mode: 802.11a Chain0



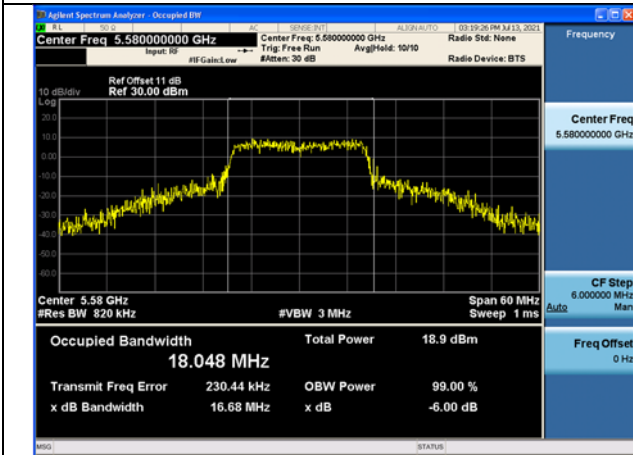
Test Mode: 802.11a Chain0



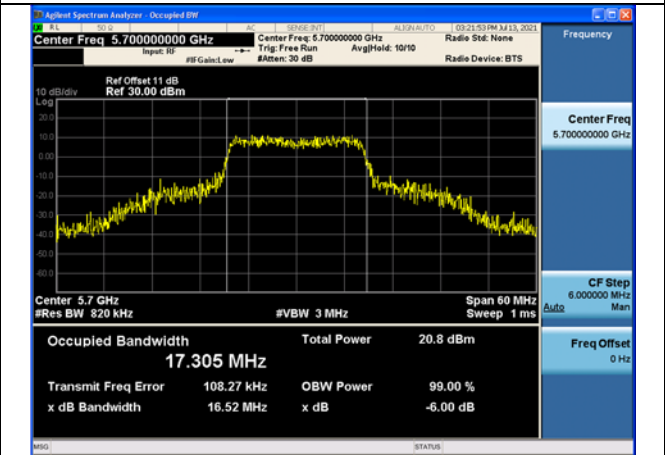
Test Mode: 802.11a Chain1



Test Mode: 802.11a Chain1



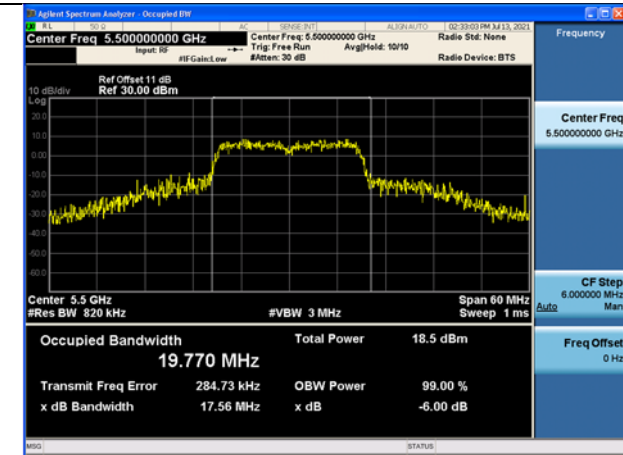
Test Mode: 802.11a Chain1



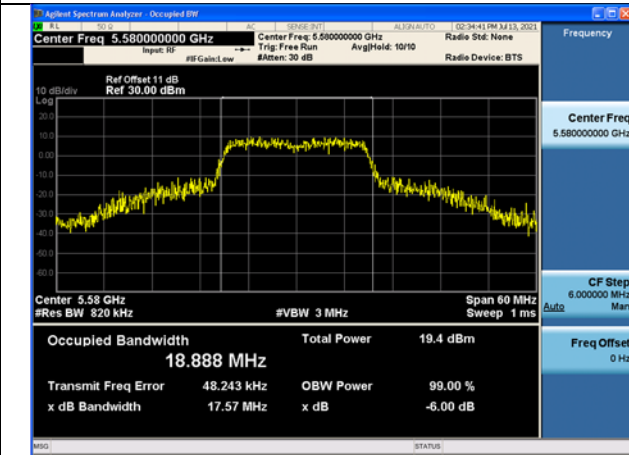
Test Mode: 802.11n HT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	19.770
	Chain1	20.464
5580	Chain0	18.888
	Chain1	18.769
5700	Chain0	18.423
	Chain1	18.305

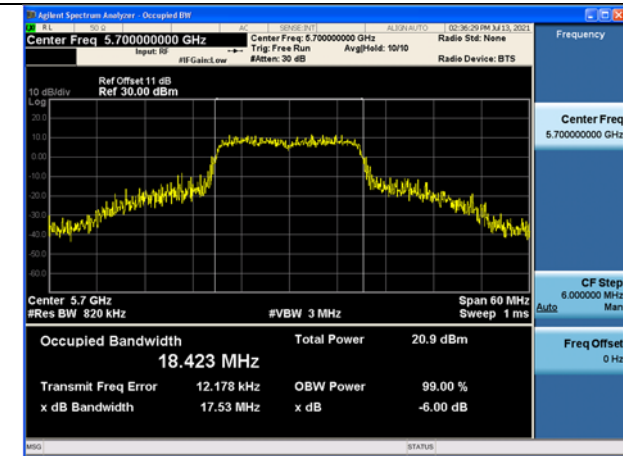
Test Mode: 802.11n HT20 Chain0



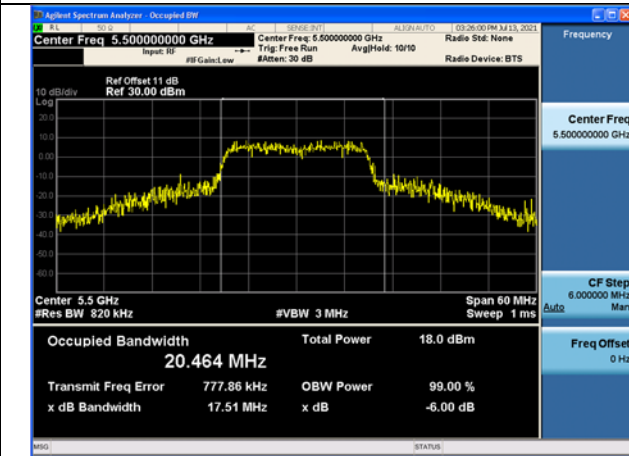
Test Mode: 802.11n HT20 Chain0



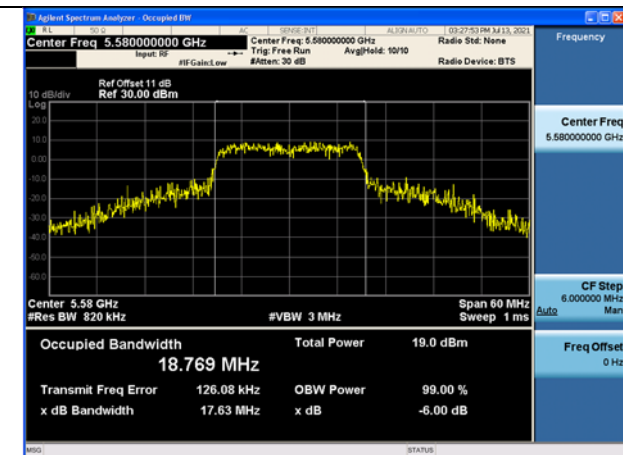
Test Mode: 802.11n HT20 Chain0



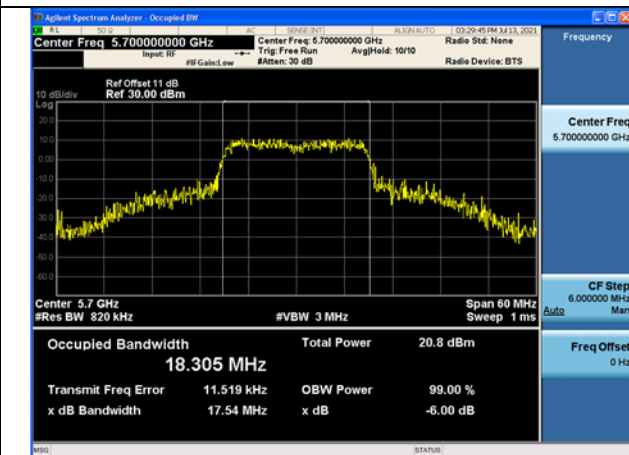
Test Mode: 802.11n HT20 Chain1



Test Mode: 802.11n HT20 Chain1



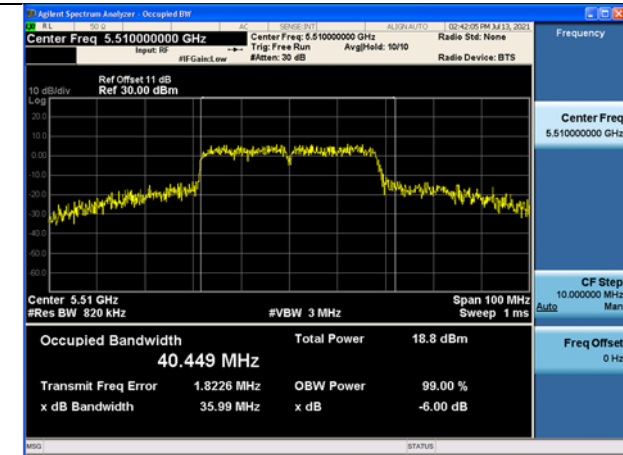
Test Mode: 802.11n HT20 Chain1



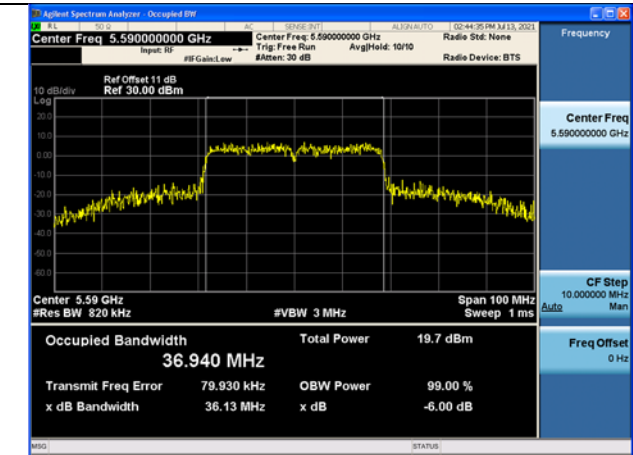
Test Mode: 802.11n HT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	40.449
	Chain1	40.702
5590	Chain0	36.940
	Chain1	37.136
5670	Chain0	36.562
	Chain1	36.661

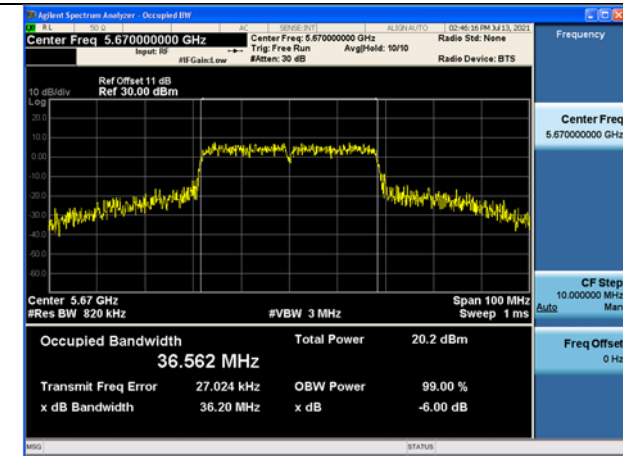
Test Mode: 802.11n HT40 Chain0



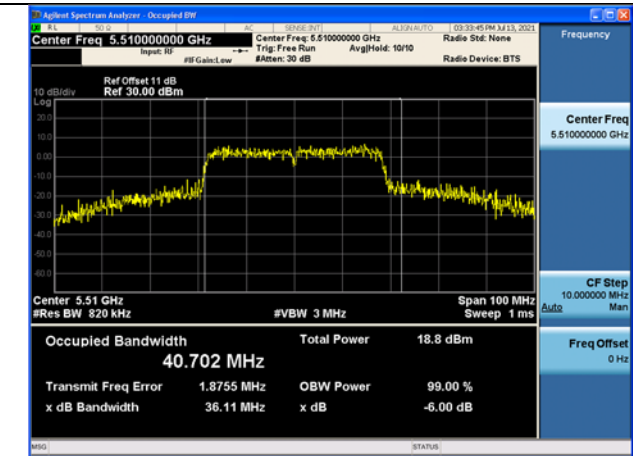
Test Mode: 802.11n HT40 Chain0



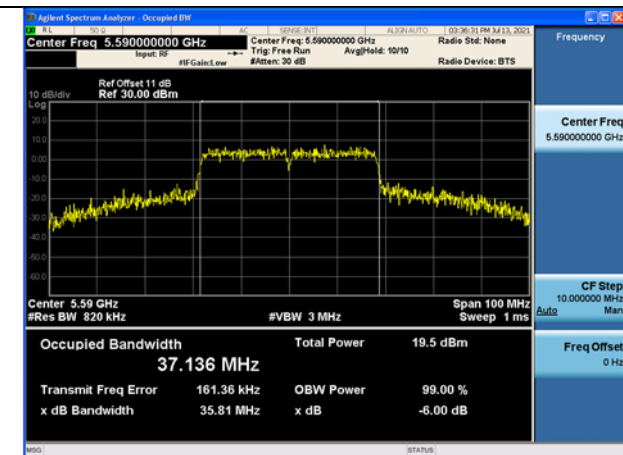
Test Mode: 802.11n HT40 Chain0



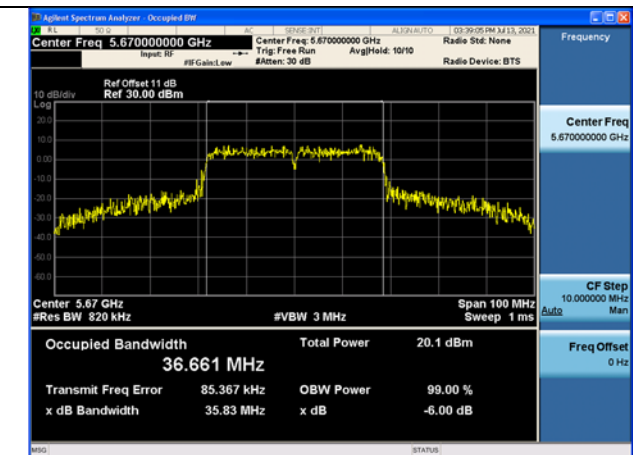
Test Mode: 802.11n HT40 Chain1



Test Mode: 802.11n HT40 Chain1



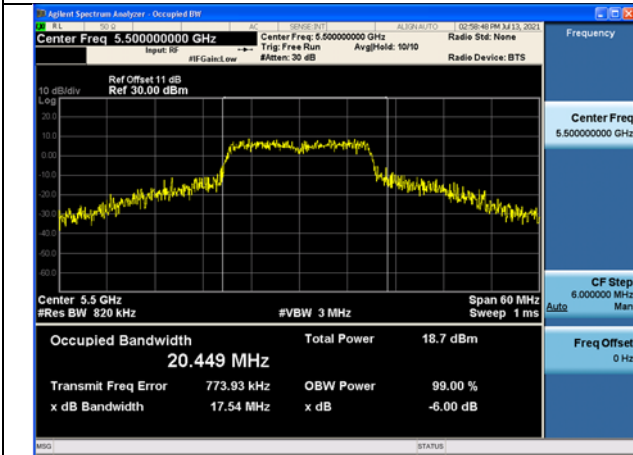
Test Mode: 802.11n HT40 Chain1



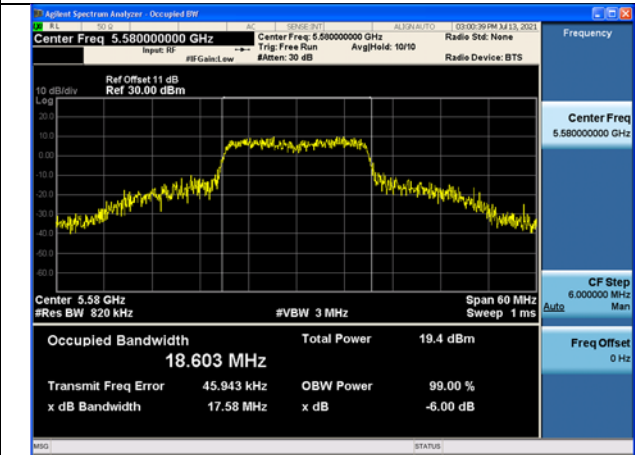
Test Mode: 802.11ac VHT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	20.449
	Chain1	19.637
5580	Chain0	18.603
	Chain1	18.837
5700	Chain0	18.306
	Chain1	18.467

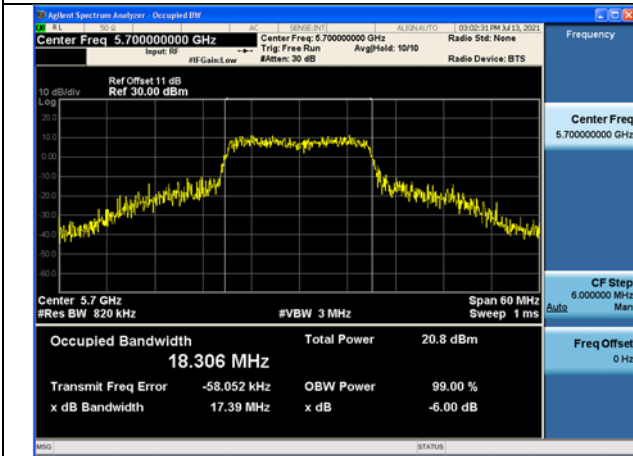
Test Mode: 802.11ac VHT20 Chain0



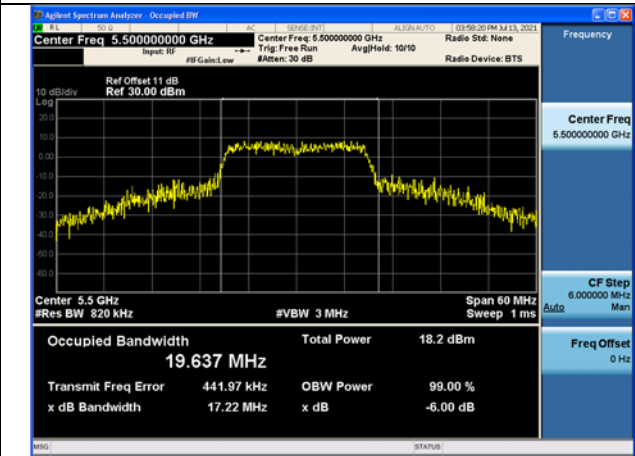
Test Mode: 802.11ac VHT20 Chain0



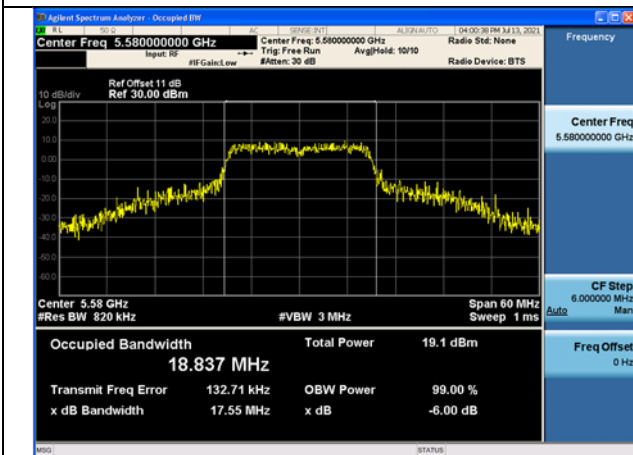
Test Mode: 802.11ac VHT20 Chain0



Test Mode: 802.11ac VHT20 Chain1



Test Mode: 802.11ac VHT20 Chain1



Test Mode: 802.11ac VHT20 Chain1

