

APPENDIX A – 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-2A

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	NA	5260	Chain0	15.16
			Chain1	14.93
		5280	Chain0	14.45
			Chain1	14.29
		5320	Chain0	14.67
			Chain1	14.57
802.11n20M		5260	Chain0	14.77
			Chain1	14.80
		5280	Chain0	14.40
			Chain1	14.25
		5320	Chain0	14.63
			Chain1	14.41
802.11n40M	5270	Chain0	14.67	
		Chain1	14.63	
	5310	Chain0	14.73	
		Chain1	14.67	
802.11ac20M	5260	Chain0	14.67	
		Chain1	14.51	
	5280	Chain0	14.29	
		Chain1	14.14	
	5320	Chain0	14.57	
		Chain1	14.41	
802.11ac40M	5270	Chain0	14.57	
		Chain1	14.73	
	5310	Chain0	14.74	
		Chain1	14.63	
802.11ac80M	5290	Chain0	13.91	
		Chain1	14.04	

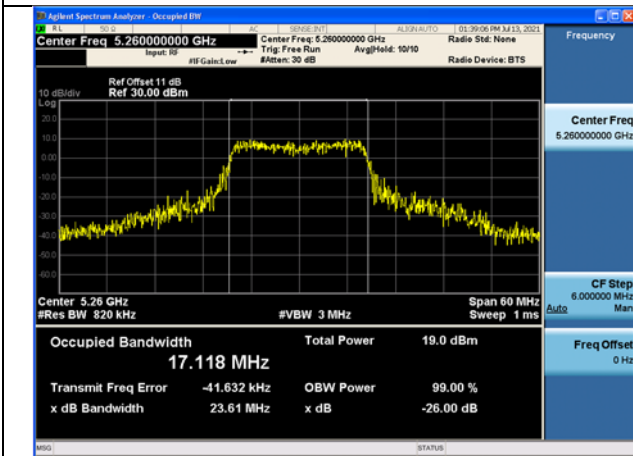
Emission Bandwidth

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

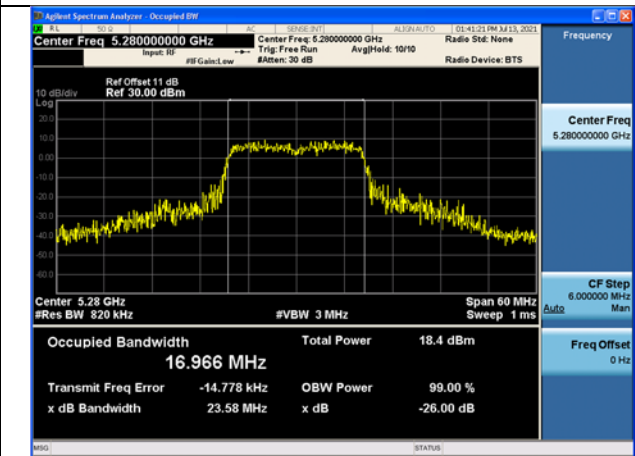
Test Mode:802.11a

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	23.61
	Chain1	21.50
5280	Chain0	23.58
	Chain1	22.58
5320	Chain0	22.45
	Chain1	31.34

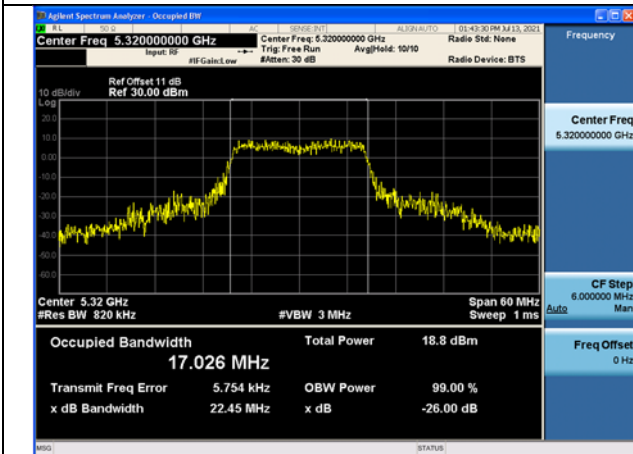
Test Mode:802.11a Chain0



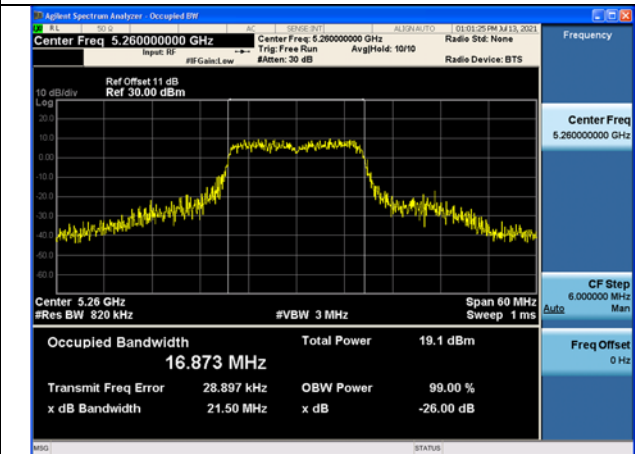
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0

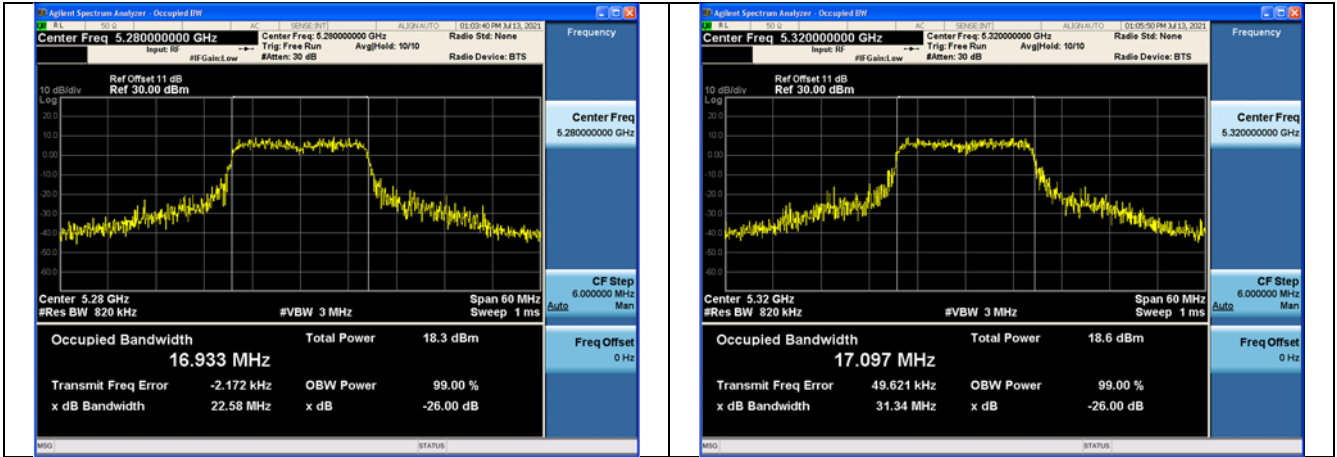


Test Mode:802.11a Chain1



Test Mode:802.11a Chain1

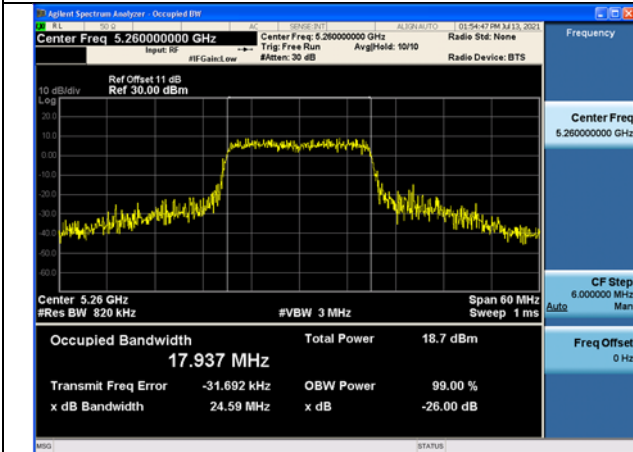
Test Mode:802.11a Chain1



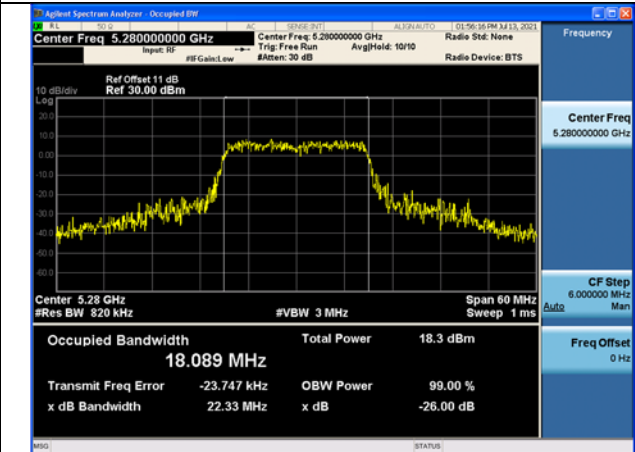
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	24.59
	Chain1	23.03
5280	Chain0	22.33
	Chain1	21.85
5320	Chain0	28.42
	Chain1	24.64

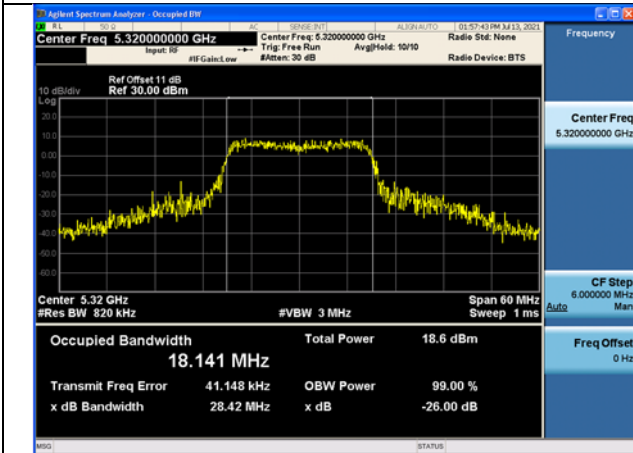
Test Mode:802. 11n HT20 Chain0



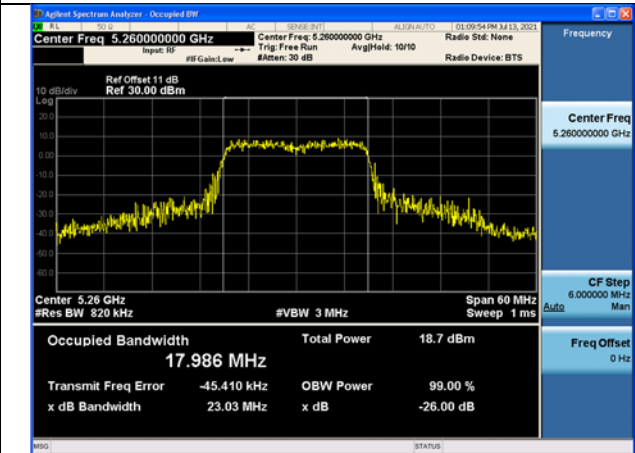
Test Mode:802. 11n HT20 Chain0



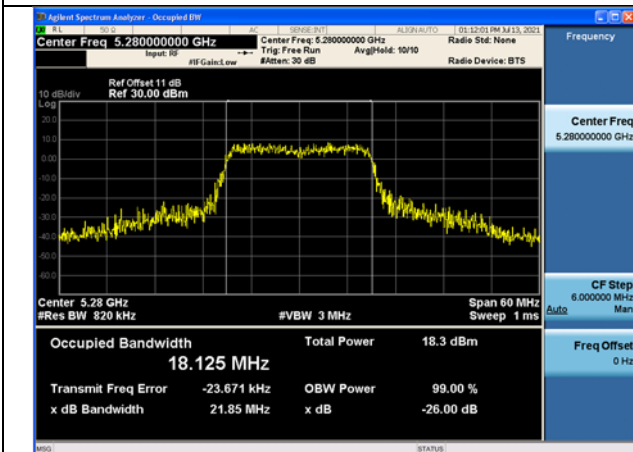
Test Mode:802. 11n HT20 Chain0



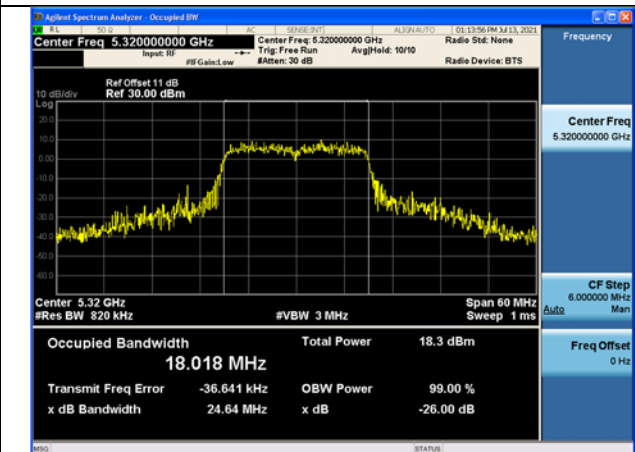
Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



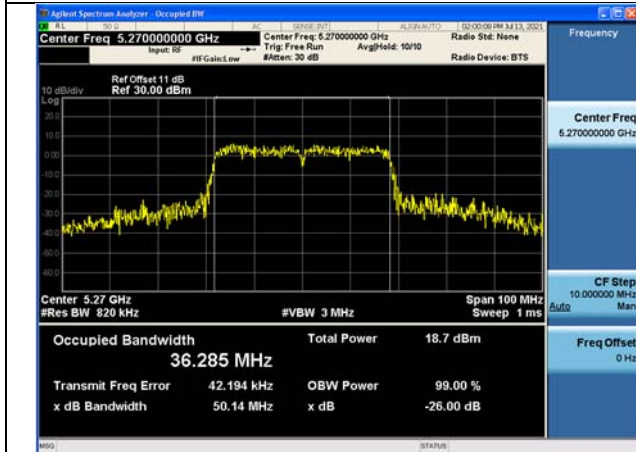
Test Mode:802. 11n HT20 Chain1



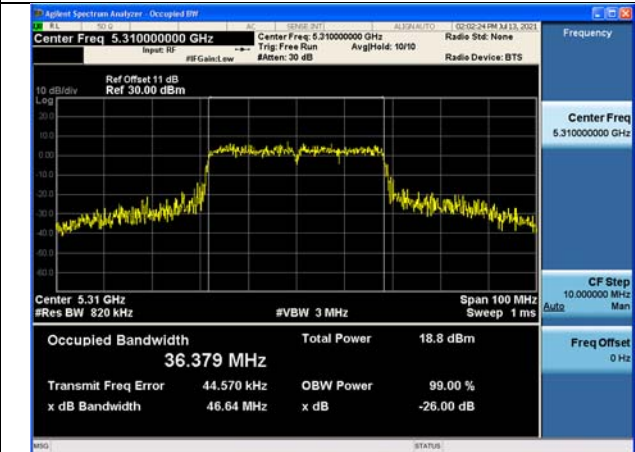
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5270	Chain0	50.14
	Chain1	41.38
5310	Chain0	46.64
	Chain1	53.79

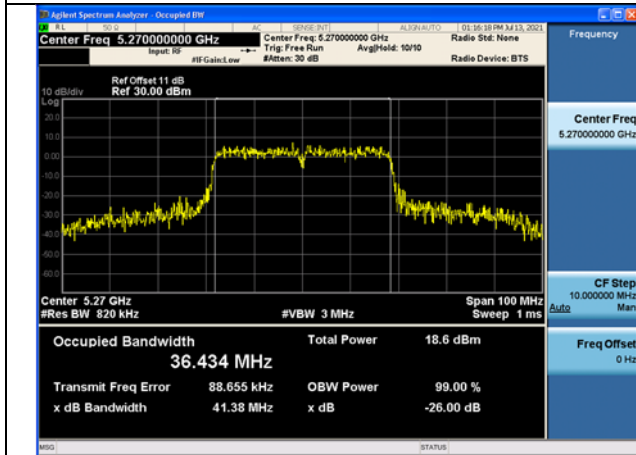
Test Mode:802. 11n HT40 Chain0



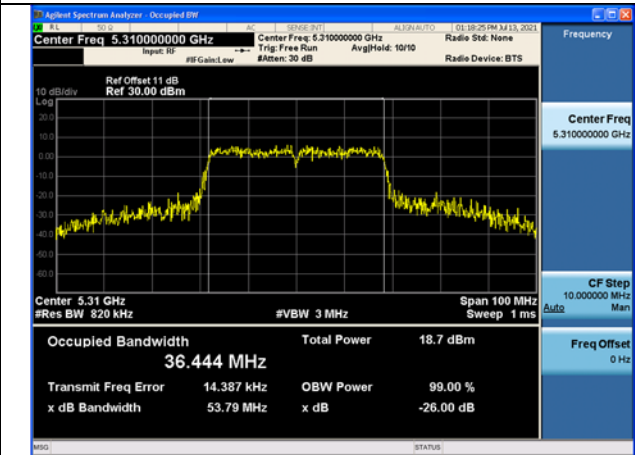
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain1



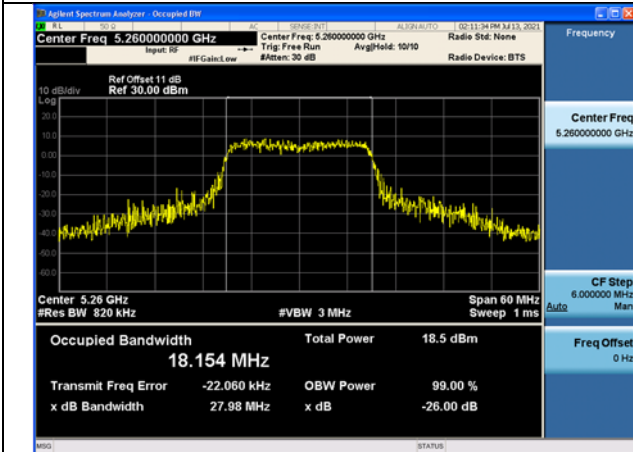
Test Mode:802. 11n HT40 Chain1



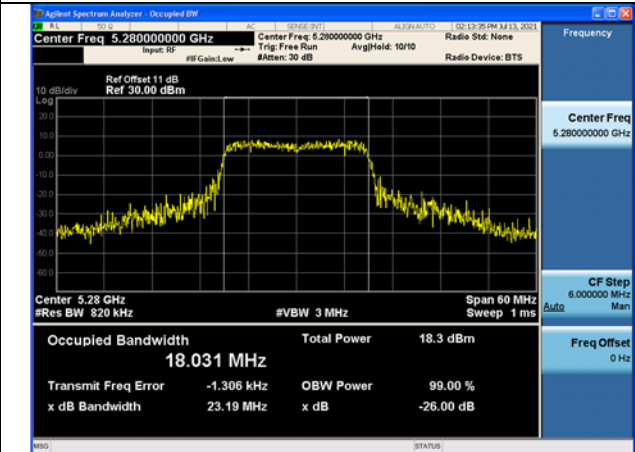
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	27.98
	Chain1	23.33
5280	Chain0	23.19
	Chain1	22.85
5320	Chain0	31.21
	Chain1	24.42

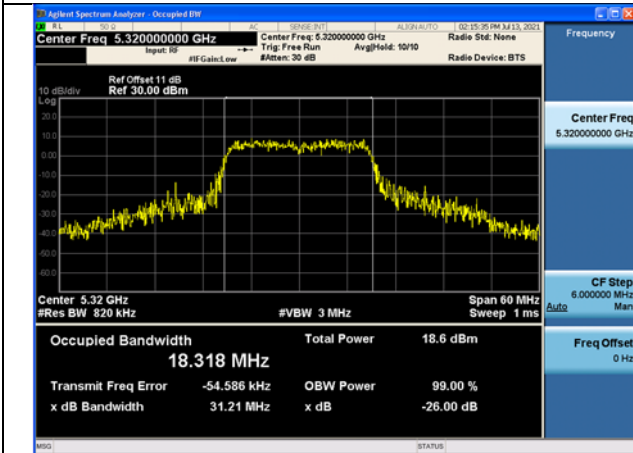
Test Mode:802. 11ac VHT20 Chain0



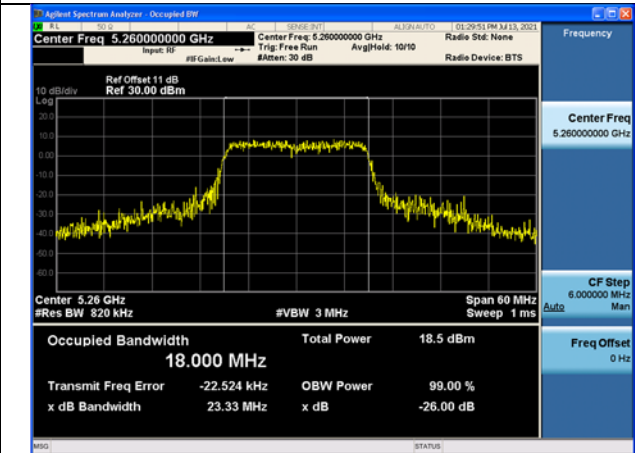
Test Mode:802. 11ac VHT20 Chain0



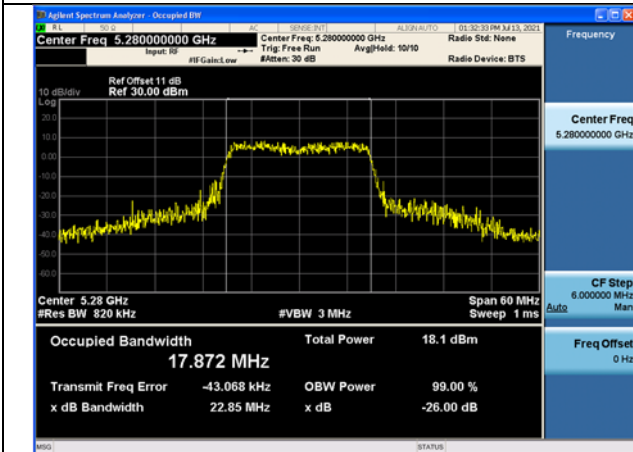
Test Mode:802. 11ac VHT20 Chain0



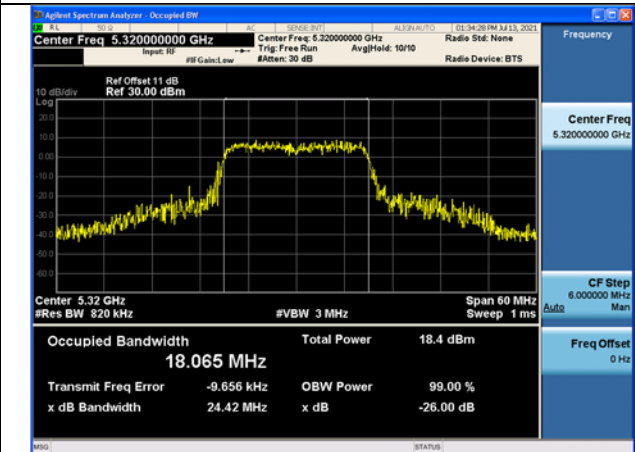
Test Mode:802. 11ac VHT20 Chain1



Test Mode:802. 11ac VHT20 Chain1



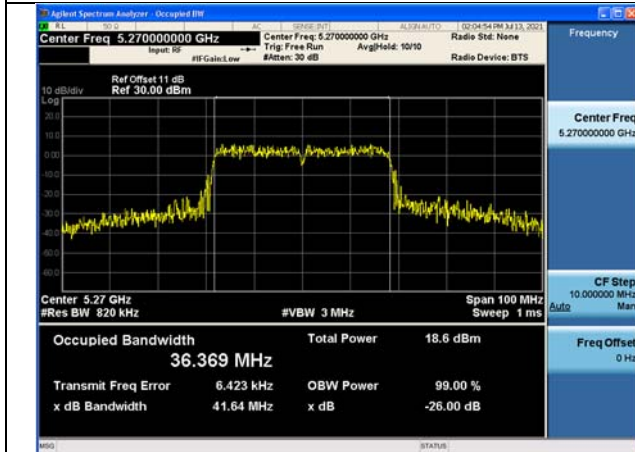
Test Mode:802. 11ac VHT20 Chain1



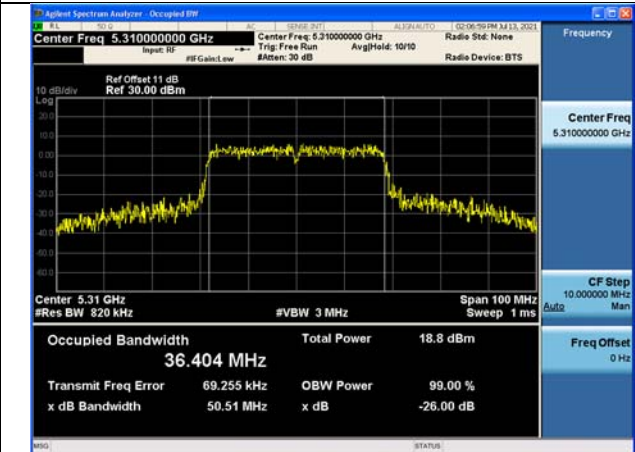
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5270	Chain0	41.64
	Chain1	44.99
5310	Chain0	50.51
	Chain1	42.80

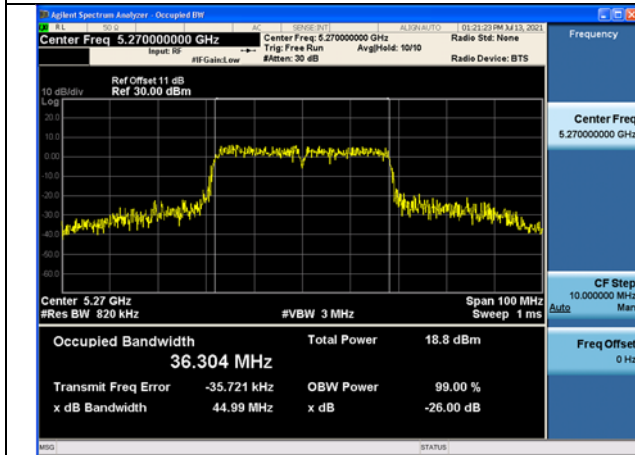
Test Mode:802. 11ac VHT40 Chain0



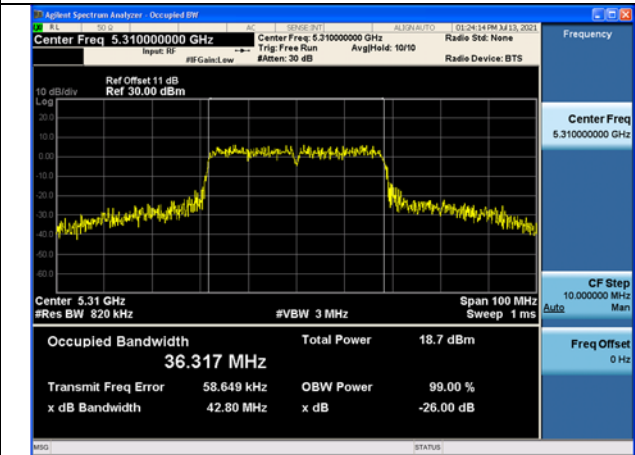
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain1



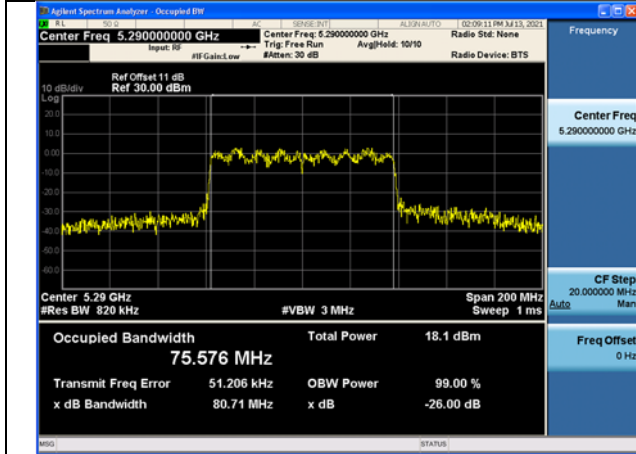
Test Mode:802. 11ac VHT40 Chain1



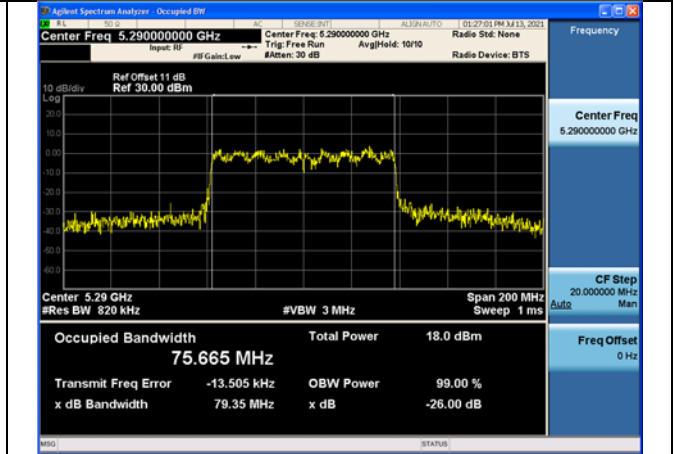
Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5290	Chain0	80.71
	Chain1	79.35

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain1



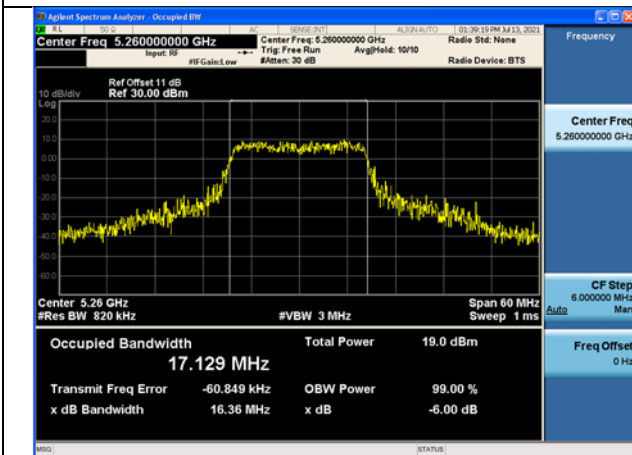
Occupied Bandwidth

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

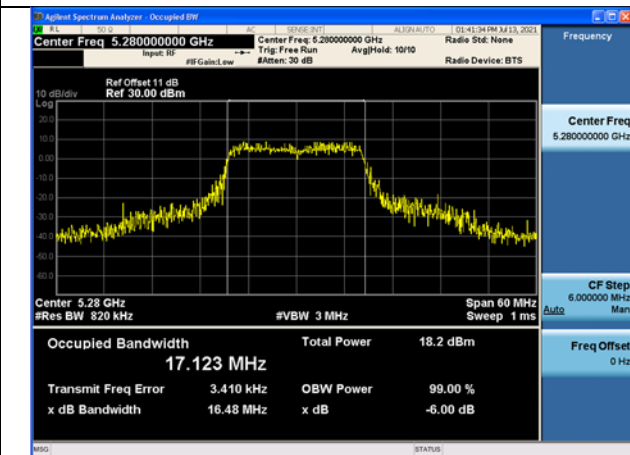
Test Mode:802.11a

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	17.129
	Chain1	17.003
5280	Chain0	17.123
	Chain1	16.971
5320	Chain0	17.117
	Chain1	16.985

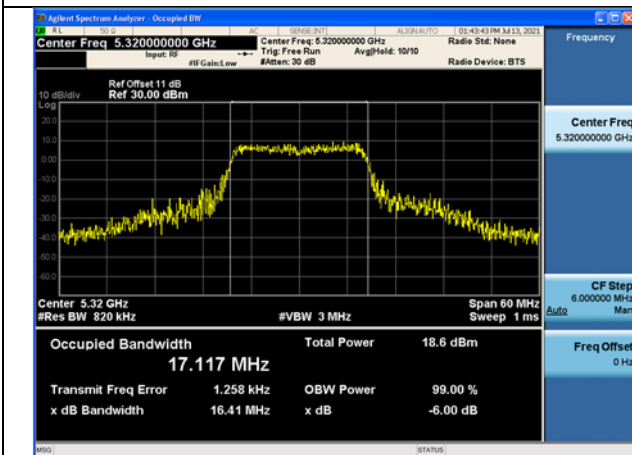
Test Mode:802.11a Chain0



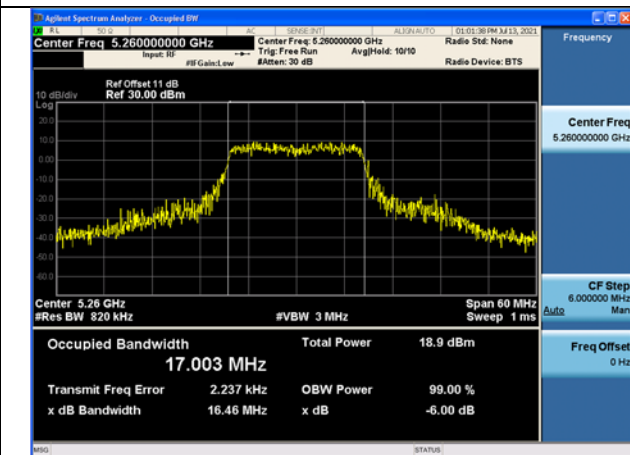
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0

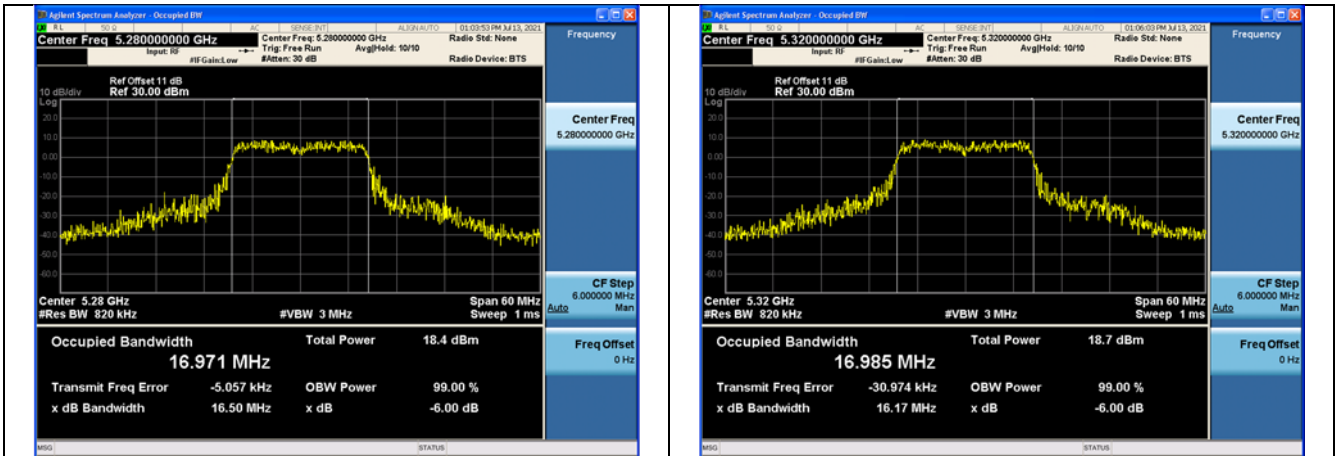


Test Mode:802.11a Chain1



Test Mode:802.11a Chain1

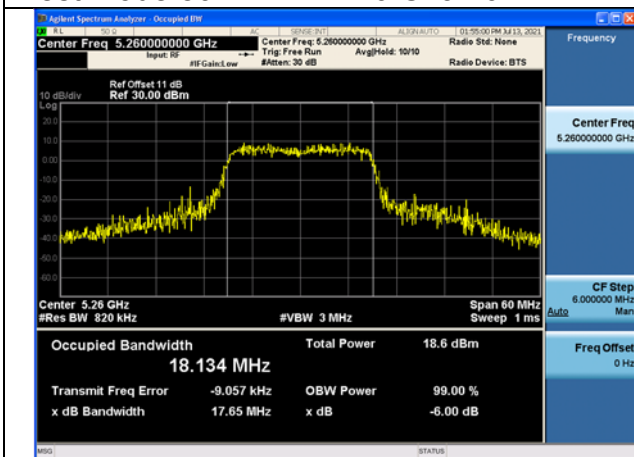
Test Mode:802.11a Chain1



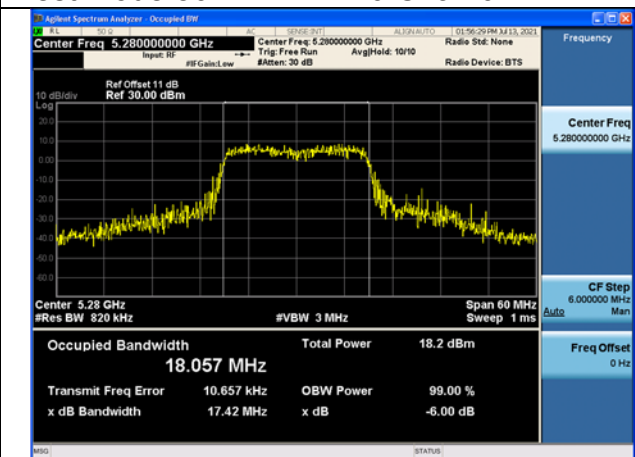
Test Mode:802. 11n HT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	18.134
	Chain1	18.161
5280	Chain0	18.057
	Chain1	18.028
5320	Chain0	18.008
	Chain1	17.942

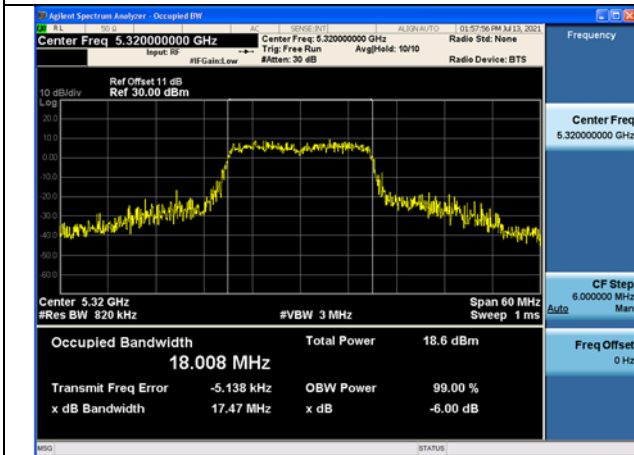
Test Mode:802. 11n HT20 Chain0



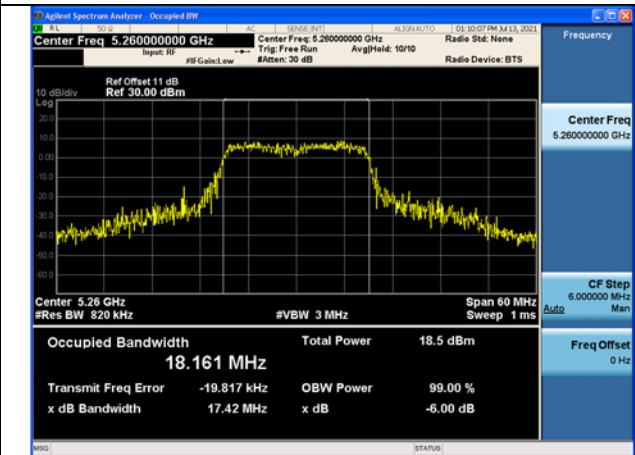
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0

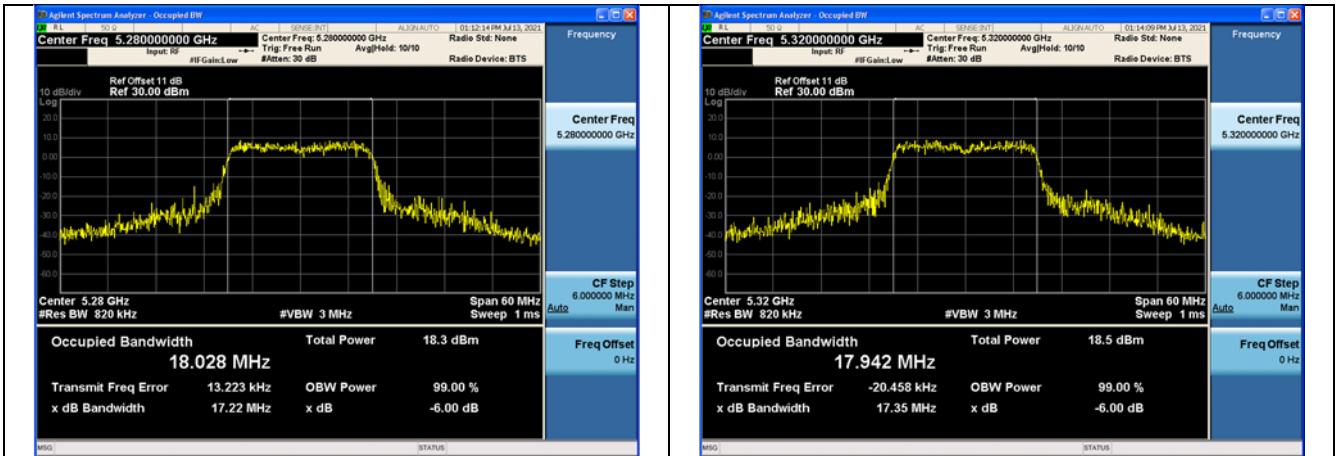


Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1

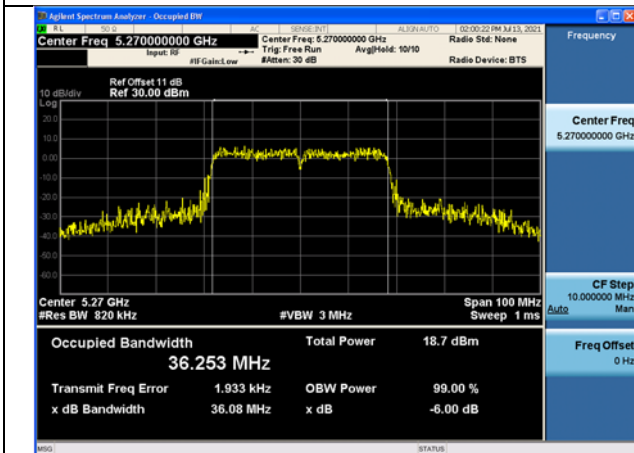
Test Mode:802. 11n HT20 Chain1



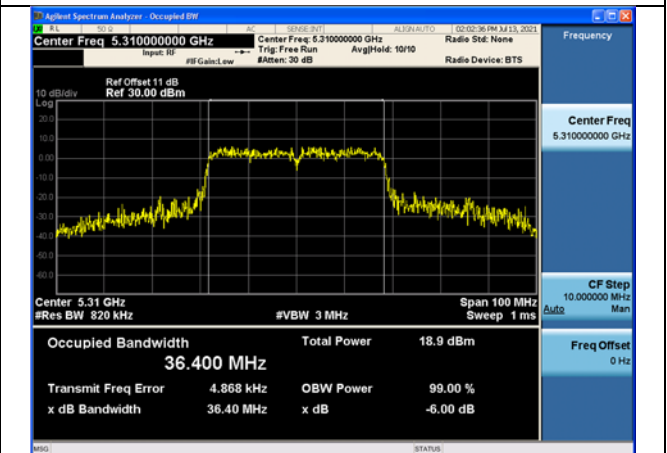
Test Mode:802. 11n HT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5270	Chain0	36.253
	Chain1	36.352
5310	Chain0	36.400
	Chain1	36.367

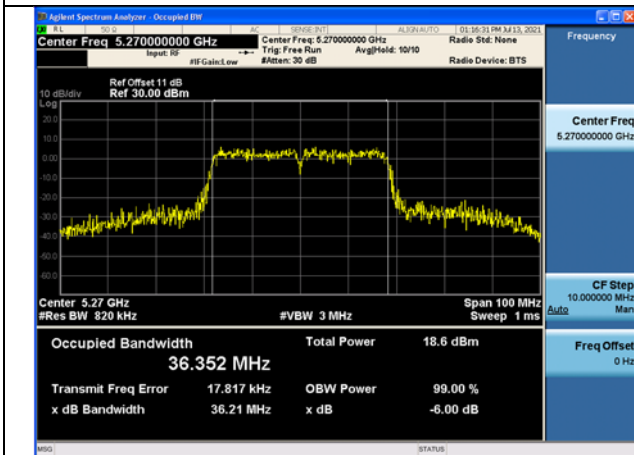
Test Mode:802. 11n HT40 Chain0



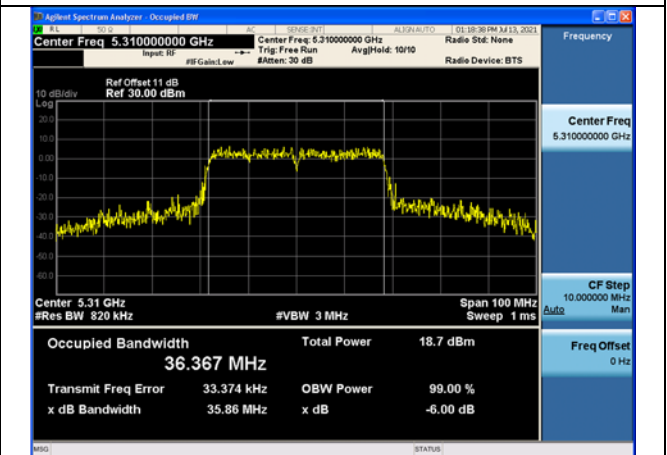
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain1



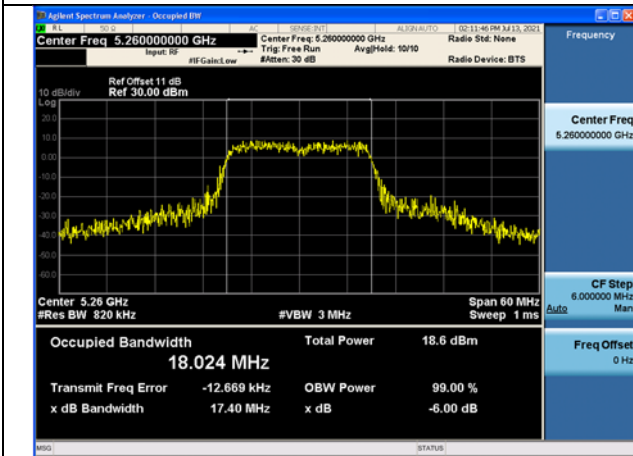
Test Mode:802. 11n HT40 Chain1



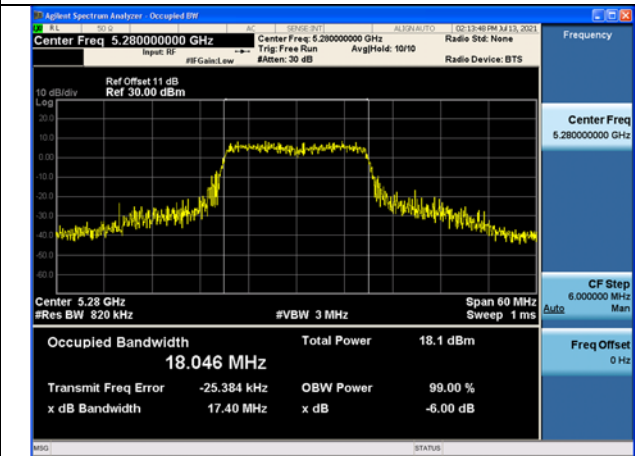
Test Mode:802. 11ac VHT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	18.024
	Chain1	18.027
5280	Chain0	18.046
	Chain1	18.123
5320	Chain0	18.218
	Chain1	18.141

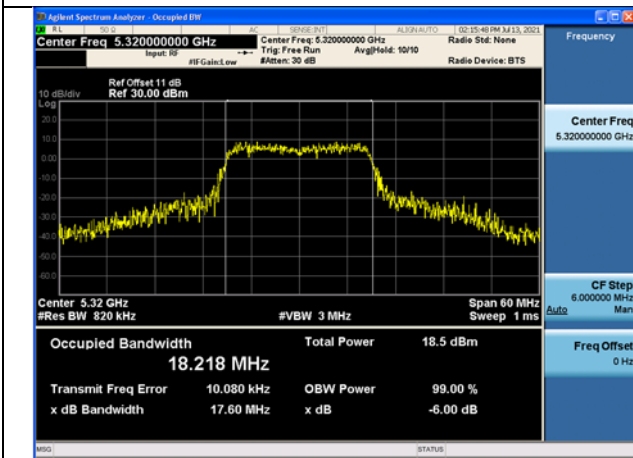
Test Mode:802. 11ac VHT20 Chain0



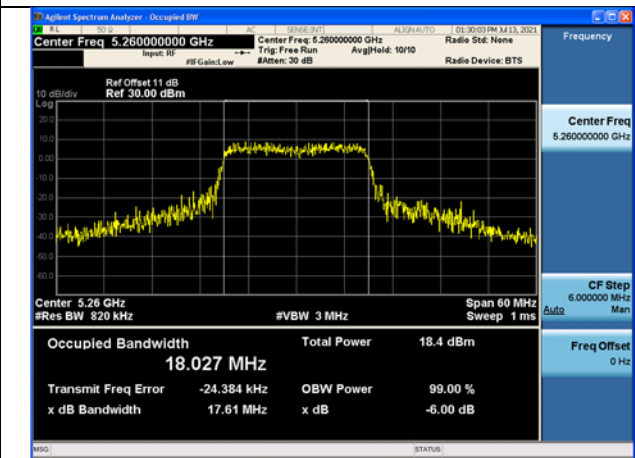
Test Mode:802. 11ac VHT20 Chain0



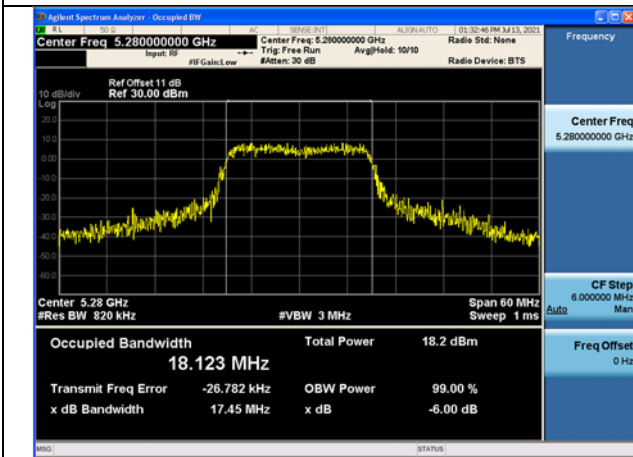
Test Mode:802. 11ac VHT20 Chain0



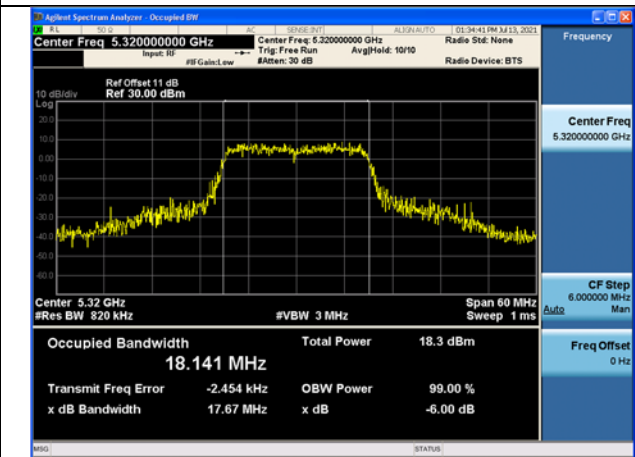
Test Mode:802. 11ac VHT20 Chain1



Test Mode:802. 11ac VHT20 Chain1



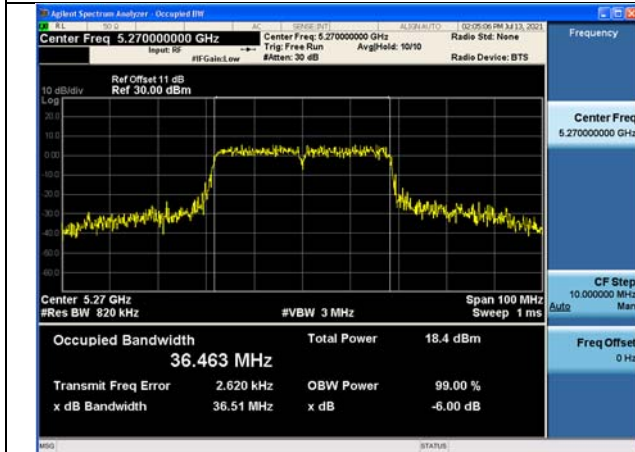
Test Mode:802. 11ac VHT20 Chain1



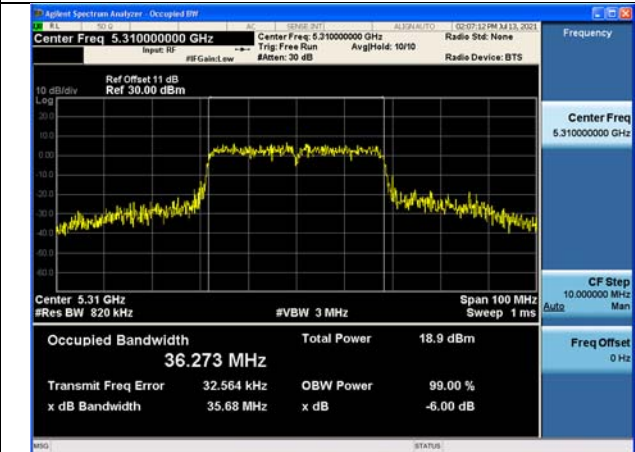
Test Mode:802. 11ac VHT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5270	Chain0	36.463
	Chain1	36.236
5310	Chain0	36.273
	Chain1	36.139

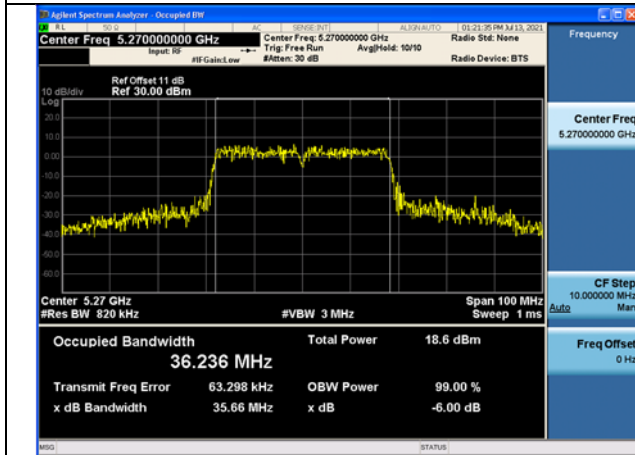
Test Mode:802. 11ac VHT40 Chain0



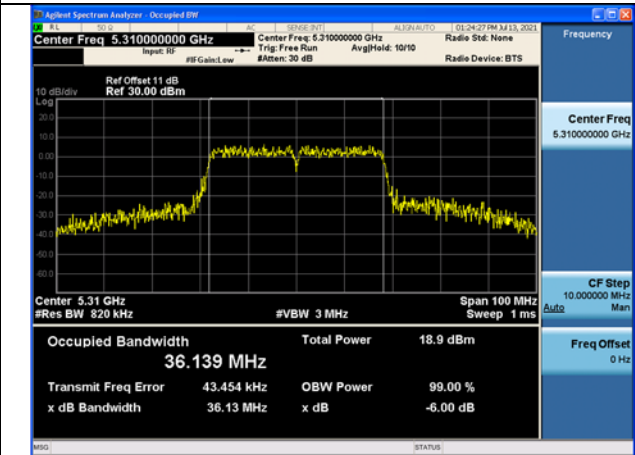
Test Mode:802. 11ac VHT40 Chain0



Test Mode:802. 11ac VHT40 Chain1



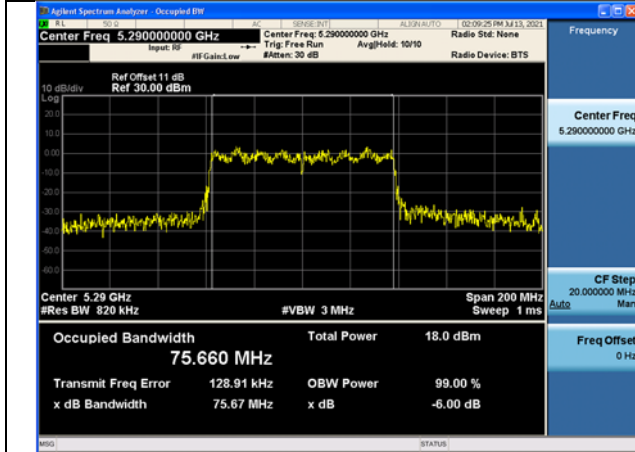
Test Mode:802. 11ac VHT40 Chain1



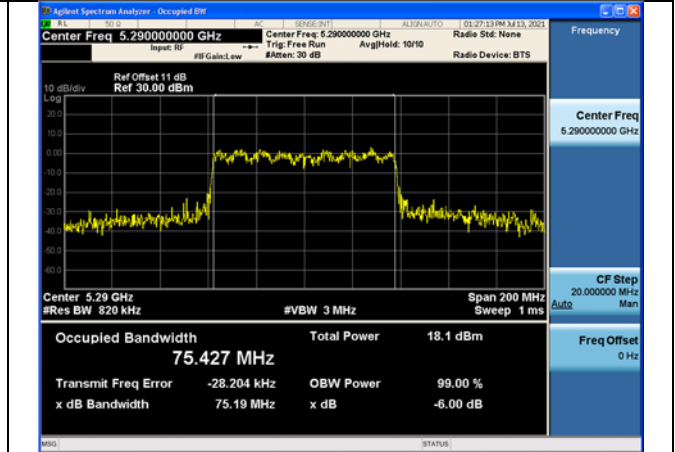
Test Mode:802. 11ac VHT80

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5290	Chain0	75.660
	Chain1	75.427

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain1



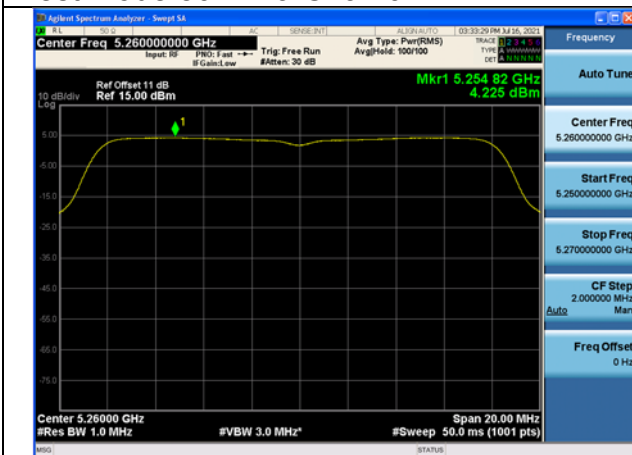
Transmitter Power Spectral Density

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

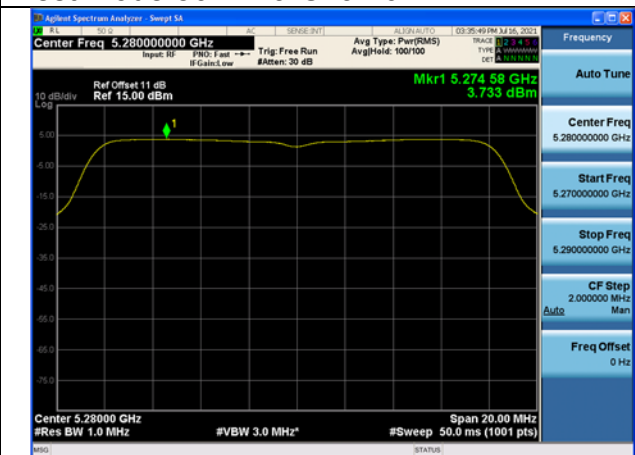
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm/MHz)
5260	0.06	Chain0	4.285
		Chain1	3.673
5280		Chain0	3.793
		Chain1	3.553
5320		Chain0	4.498
		Chain1	3.766

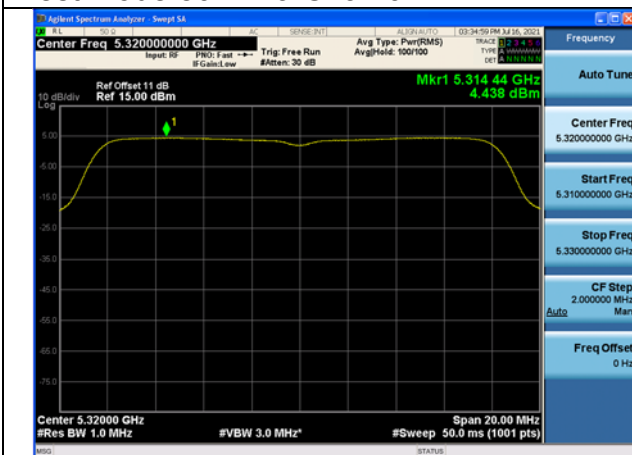
Test Mode:802.11a Chain0



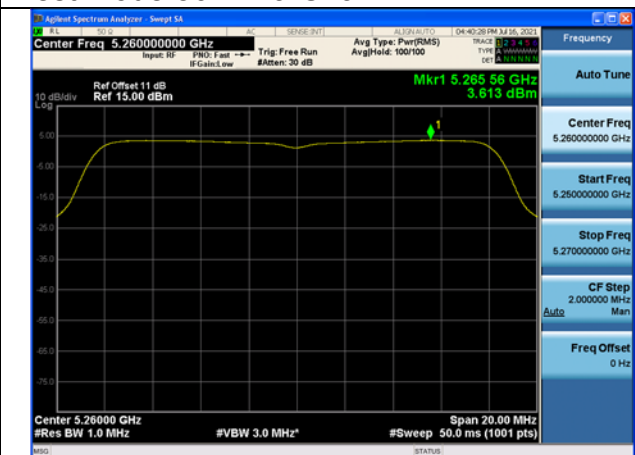
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



Test Mode:802.11a Chain1



Test Mode:802.11a Chain1

Test Mode:802.11a Chain1

