

APPENDIX A4 – 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-3

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	NA	5745	Chain0	15.25
			Chain1	14.80
		5785	Chain0	14.48
			Chain1	14.33
		5825	Chain0	14.40
			Chain1	13.53
802.11n20M		5745	Chain0	15.03
			Chain1	14.10
		5785	Chain0	14.30
			Chain1	13.72
		5825	Chain0	14.02
			Chain1	13.47
802.11n40M	5755	Chain0	14.71	
		Chain1	14.23	
	5795	Chain0	14.14	
		Chain1	13.97	
802.11ac20M	5745	Chain0	14.27	
		Chain1	13.90	
	5785	Chain0	14.02	
		Chain1	15.20	
	5825	Chain0	13.79	
		Chain1	14.11	
802.11ac40M	5755	Chain0	14.26	
		Chain1	14.12	
	5795	Chain0	13.97	
		Chain1	13.71	
802.11ac80M	5775	Chain0	13.59	
		Chain1	13.54	

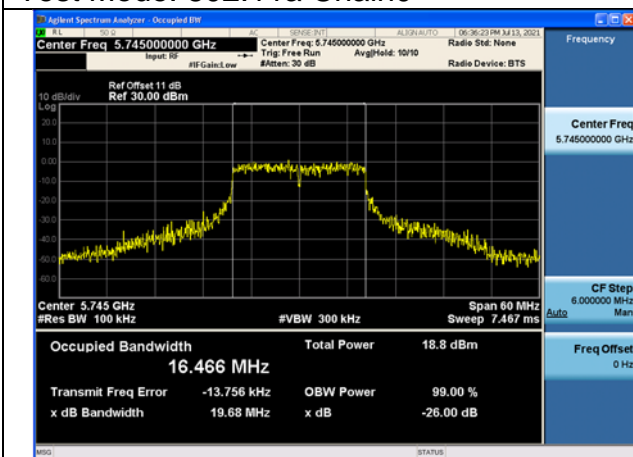
Emission Bandwidth

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

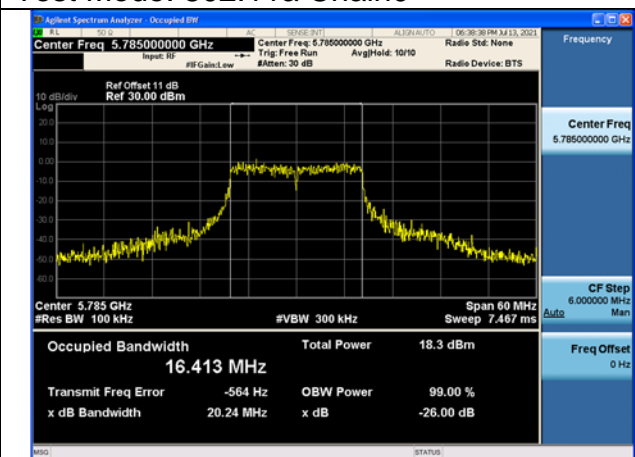
Test Mode: 802.11a

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	19.68
	Chain1	20.90
5785	Chain0	20.24
	Chain1	20.17
5825	Chain0	19.25
	Chain1	18.92

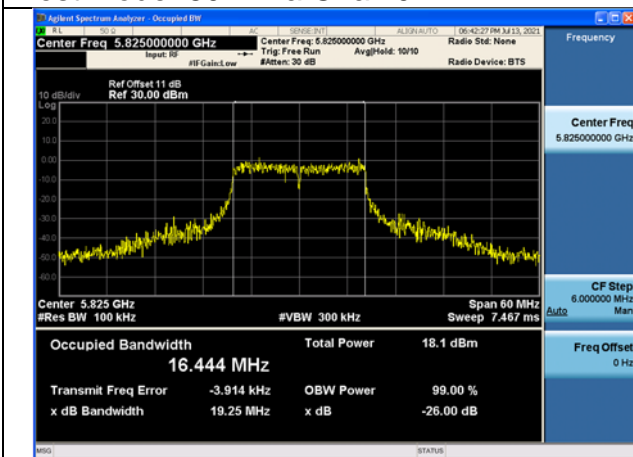
Test Mode: 802.11a Chain0



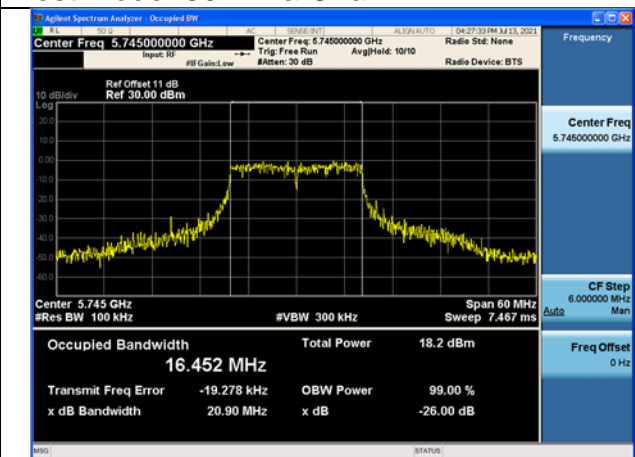
Test Mode: 802.11a Chain0



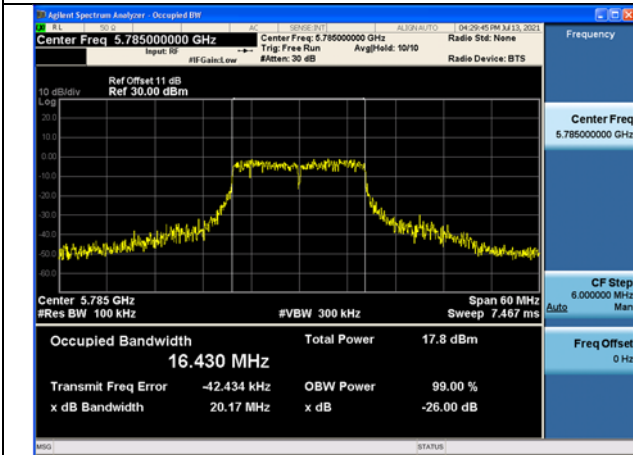
Test Mode: 802.11a Chain0



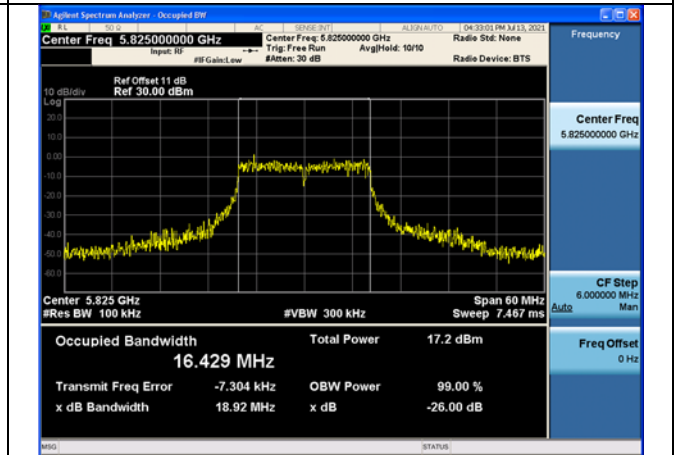
Test Mode: 802.11a Chain1



Test Mode: 802.11a Chain1



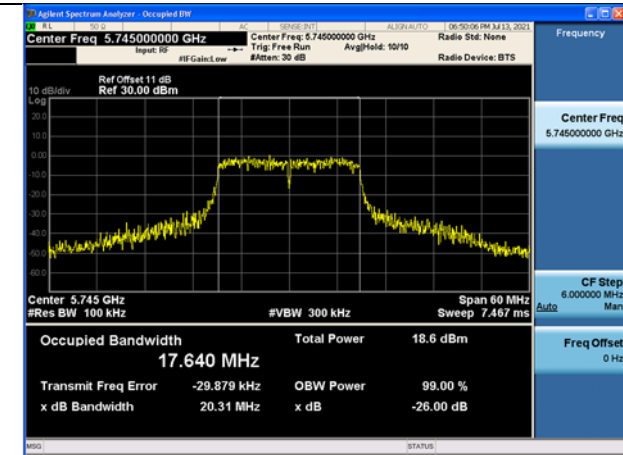
Test Mode: 802.11a Chain1



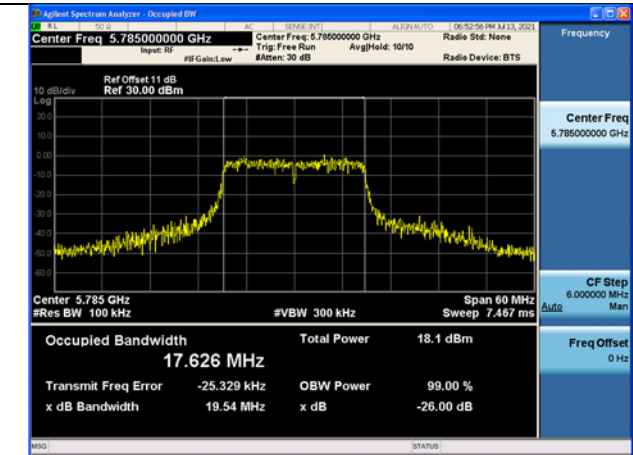
Test Mode: 802.11n HT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	20.31
	Chain1	20.13
5785	Chain0	19.54
	Chain1	20.14
5825	Chain0	20.50
	Chain1	19.99

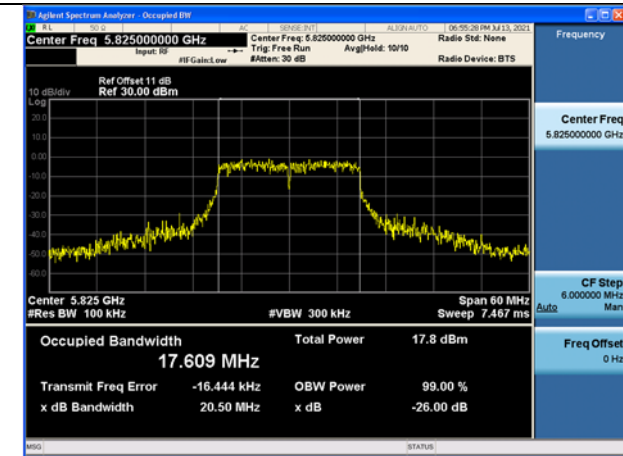
Test Mode: 802.11n HT20 Chain0



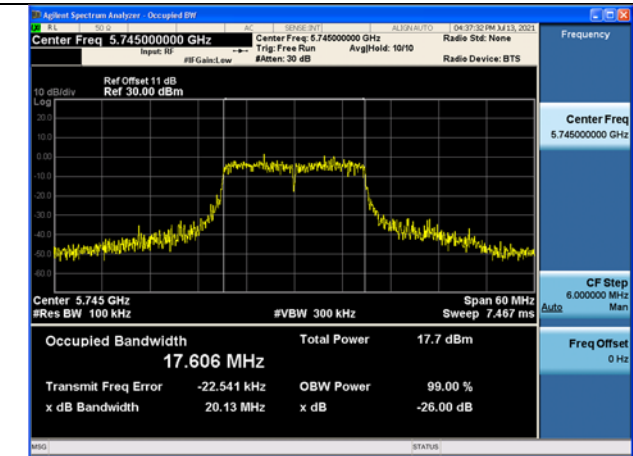
Test Mode: 802.11n HT20 Chain0



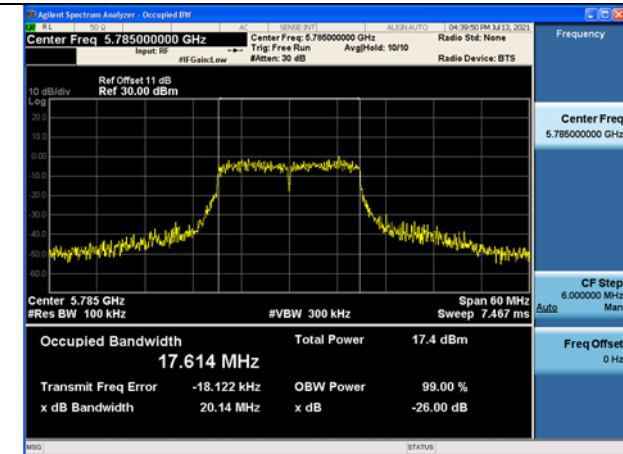
Test Mode: 802.11n HT20 Chain0



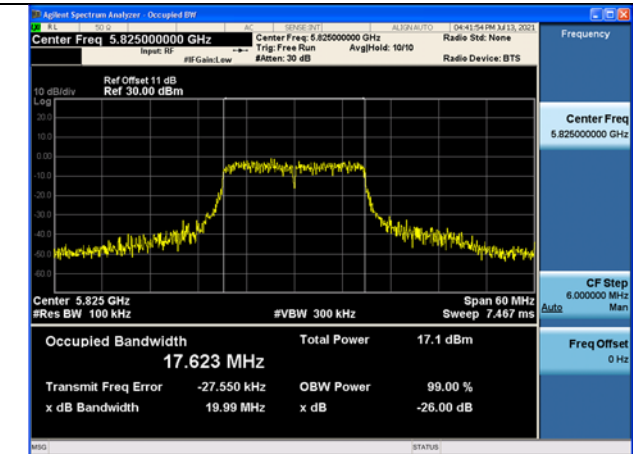
Test Mode: 802.11n HT20 Chain1



Test Mode: 802.11n HT20 Chain1



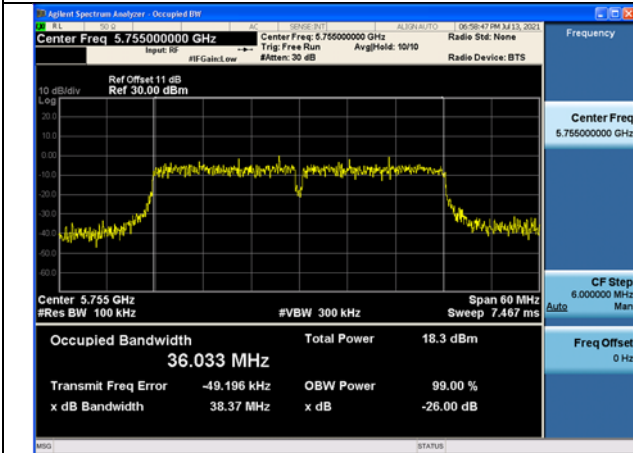
Test Mode: 802.11n HT20 Chain1



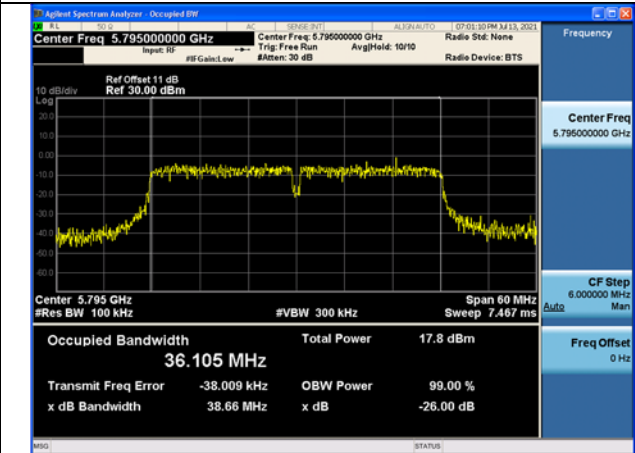
Test Mode: 802.11n HT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5755	Chain0	38.37
	Chain1	38.80
5795	Chain0	38.66
	Chain1	38.70

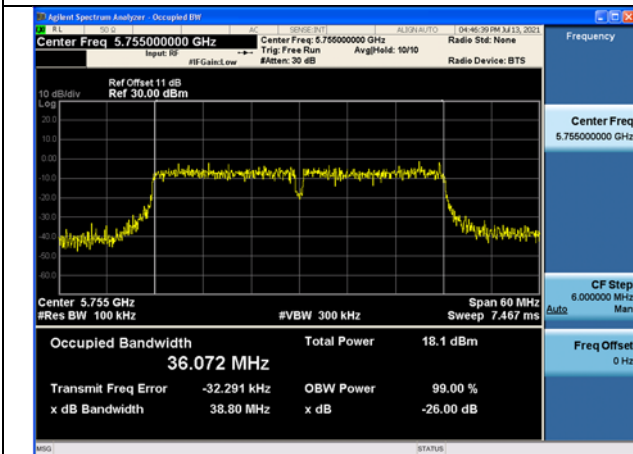
Test Mode: 802.11n HT40 Chain0



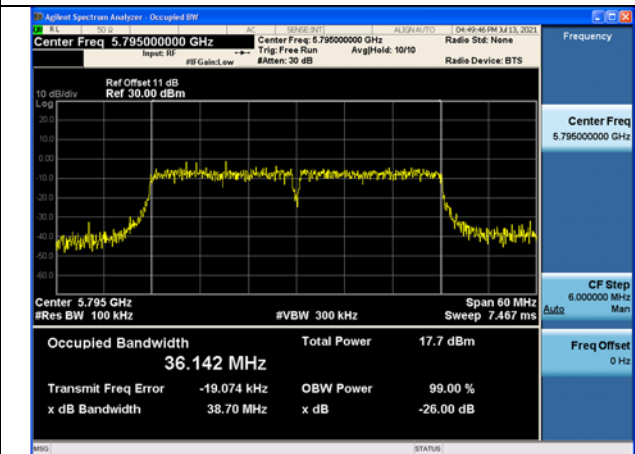
Test Mode: 802.11n HT40 Chain0



Test Mode: 802.11n HT40 Chain1



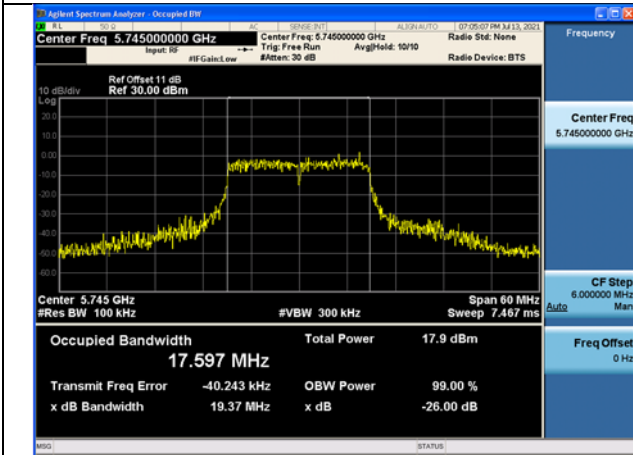
Test Mode: 802.11n HT40 Chain1



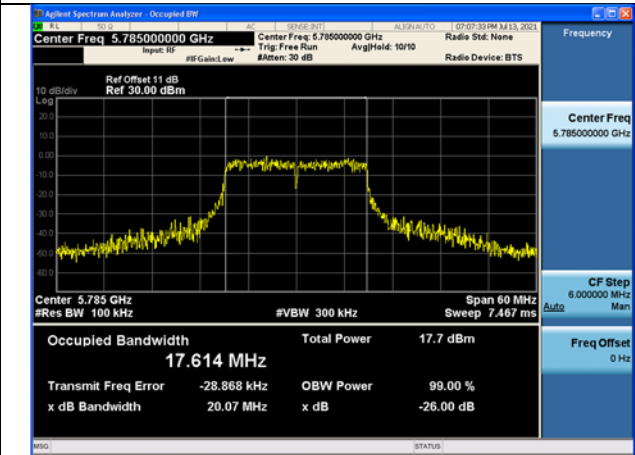
Test Mode: 802.11ac VHT20

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	19.37
	Chain1	19.36
5785	Chain0	20.07
	Chain1	19.34
5825	Chain0	20.17
	Chain1	20.54

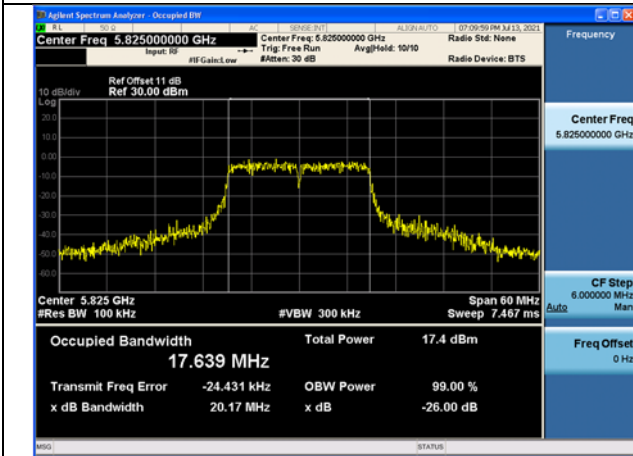
Test Mode: 802.11ac VHT20 Chain0



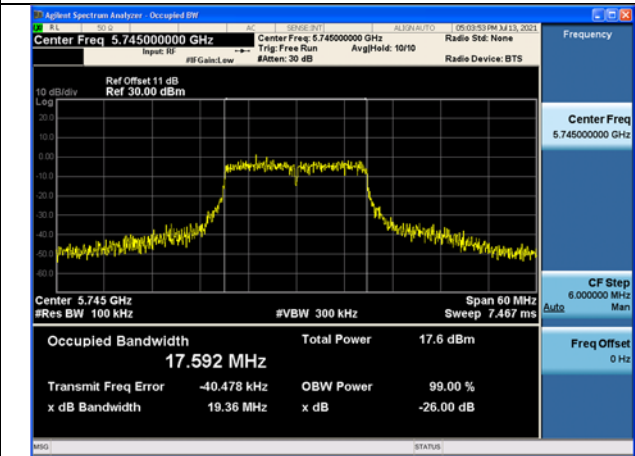
Test Mode: 802.11ac VHT20 Chain0



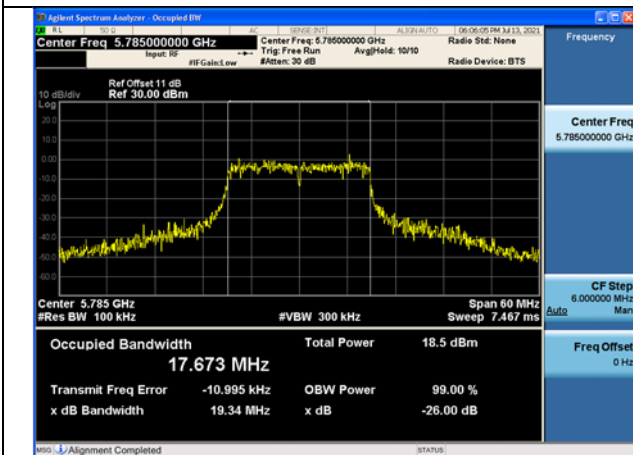
Test Mode: 802.11ac VHT20 Chain0



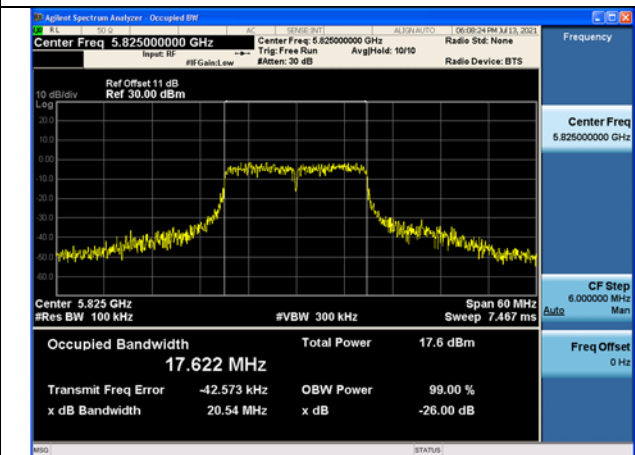
Test Mode: 802.11ac VHT20 Chain1



Test Mode: 802.11ac VHT20 Chain1



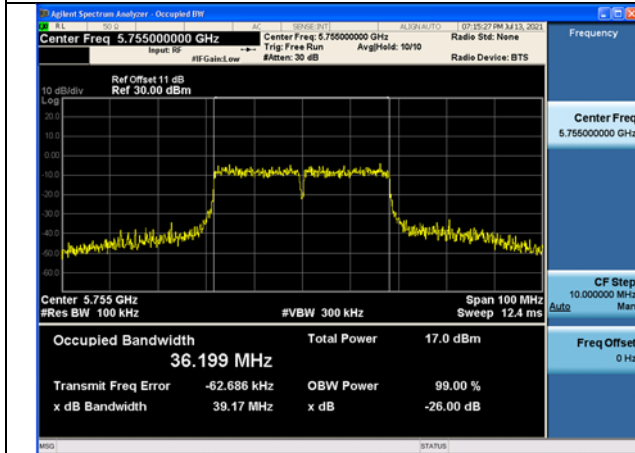
Test Mode: 802.11ac VHT20 Chain1



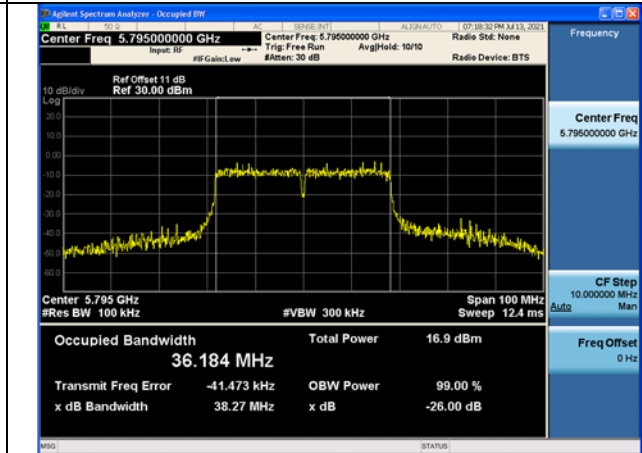
Test Mode: 802.11ac VHT40

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5755	Chain0	39.17
	Chain1	38.76
5795	Chain0	38.27
	Chain1	38.73

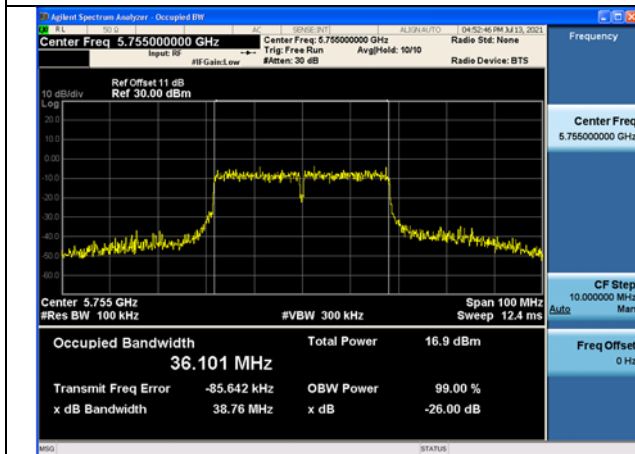
Test Mode: 802.11ac VHT40 Chain0



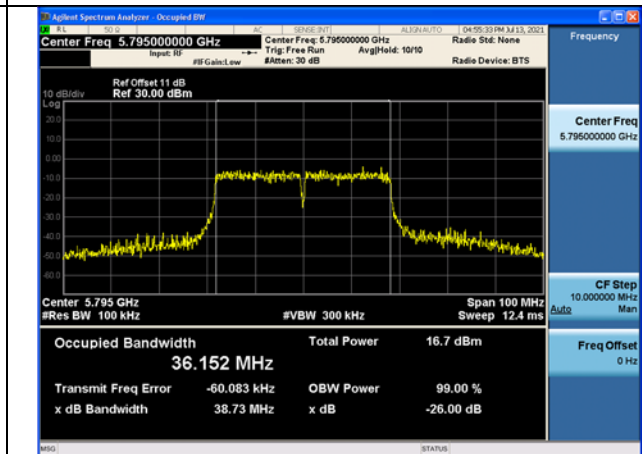
Test Mode: 802.11ac VHT40 Chain0



Test Mode: 802.11ac VHT40 Chain1



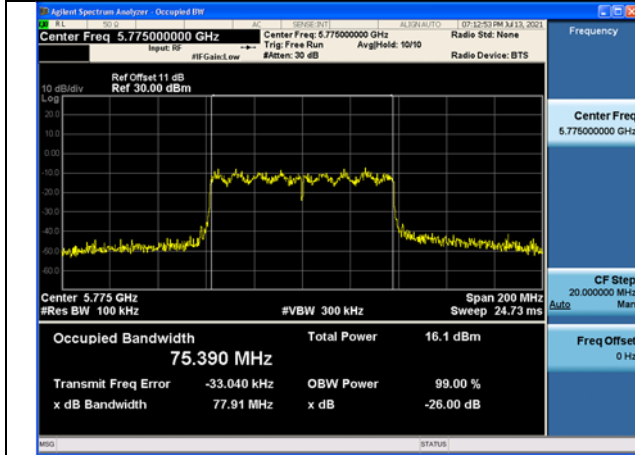
Test Mode: 802.11ac VHT40 Chain1



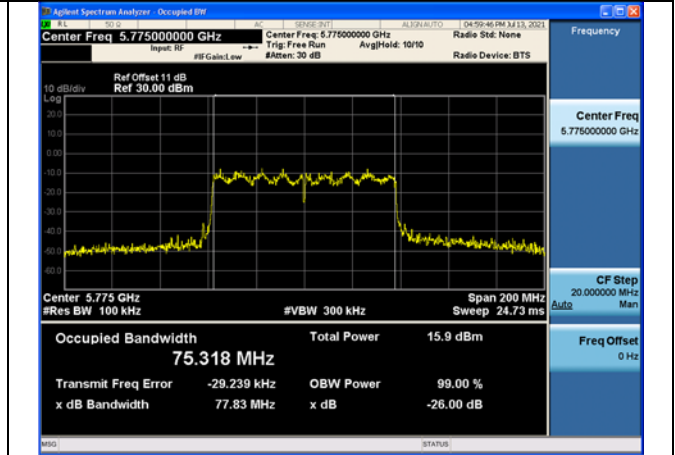
Test Mode: 802.11ac VHT80

Carrier frequency(MHz)	Chain	26dB Bandwidth (MHz)
5775	Chain0	77.91
	Chain1	77.83

Test Mode: 802.11ac VHT80 Chain0



Test Mode: 802.11ac VHT80 Chain1



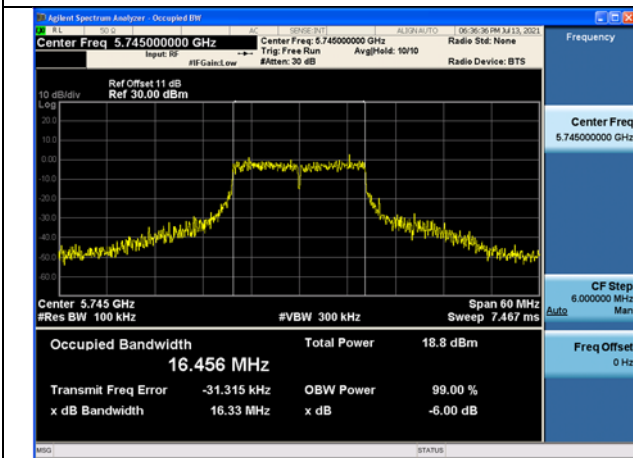
Occupied Bandwidth

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

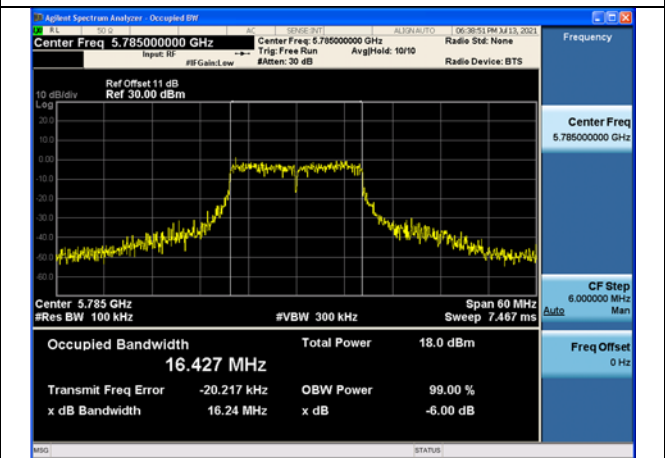
Test Mode: 802.11a

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	16.456
	Chain1	16.430
5785	Chain0	16.427
	Chain1	16.457
5825	Chain0	16.432
	Chain1	16.432

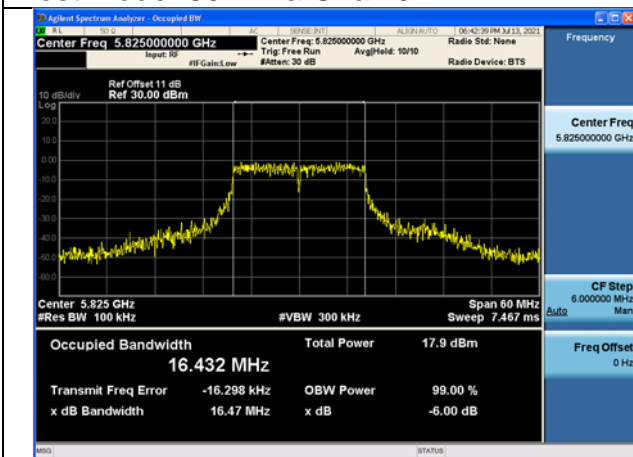
Test Mode: 802.11a Chain0



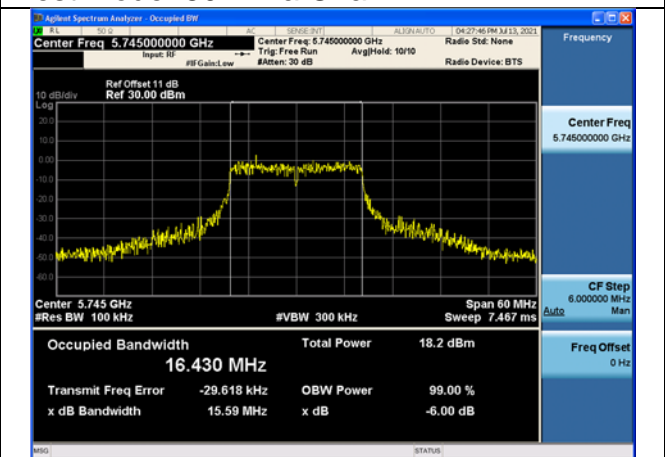
Test Mode: 802.11a Chain0



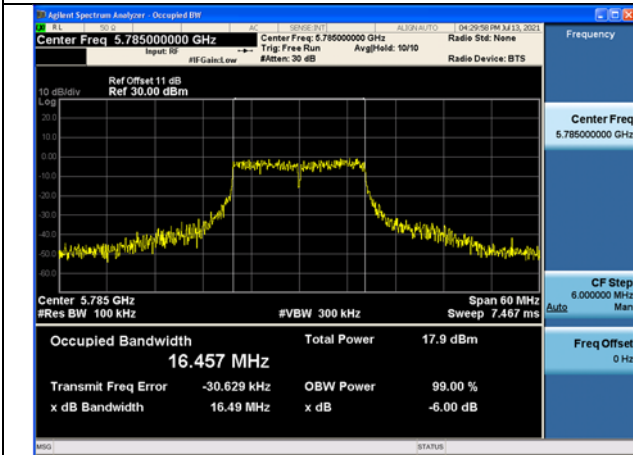
Test Mode: 802.11a Chain0



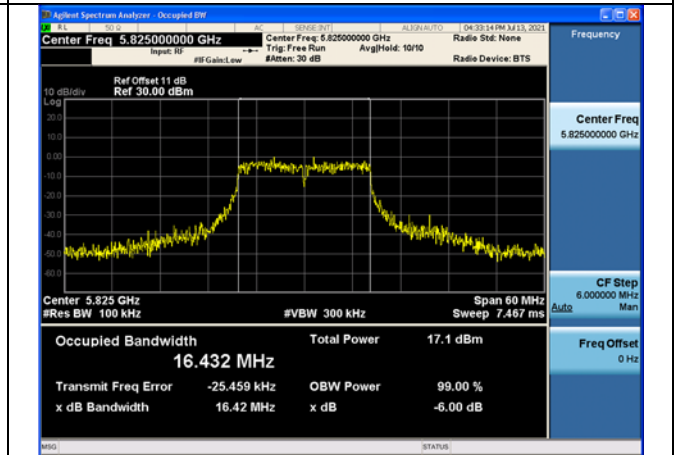
Test Mode: 802.11a Chain1



Test Mode: 802.11a Chain1



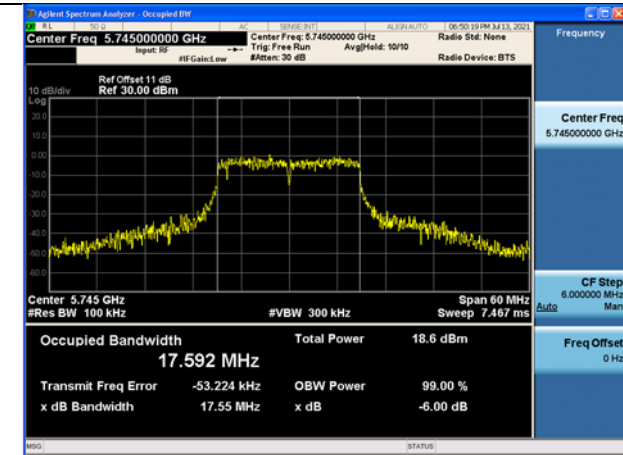
Test Mode: 802.11a Chain1



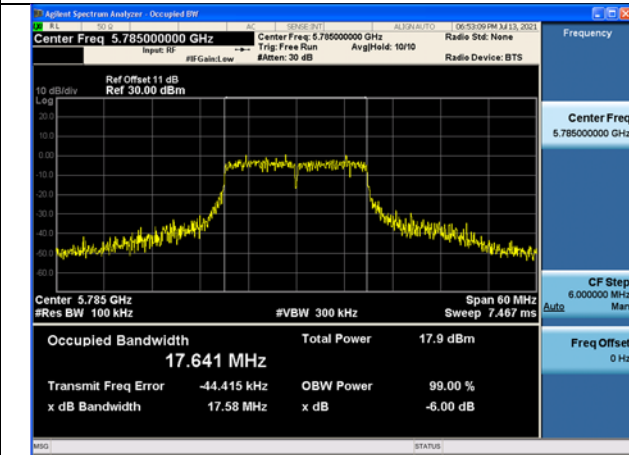
Test Mode: 802.11n HT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.592
	Chain1	17.625
5785	Chain0	17.641
	Chain1	17.593
5825	Chain0	17.594
	Chain1	17.613

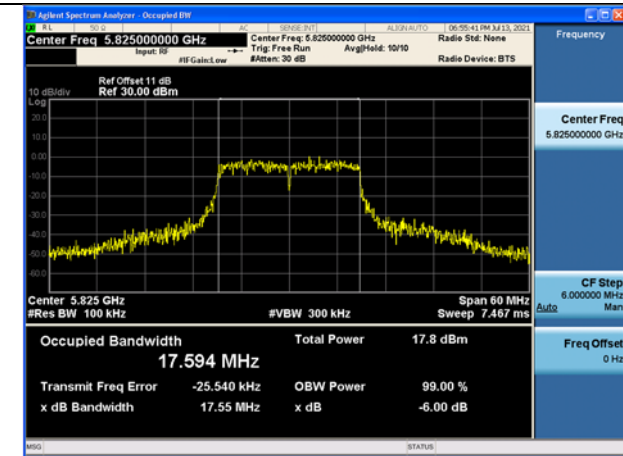
Test Mode: 802.11n HT20 Chain0



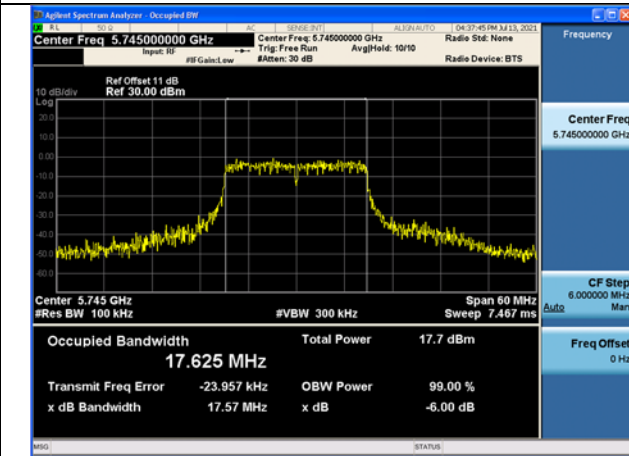
Test Mode: 802.11n HT20 Chain0



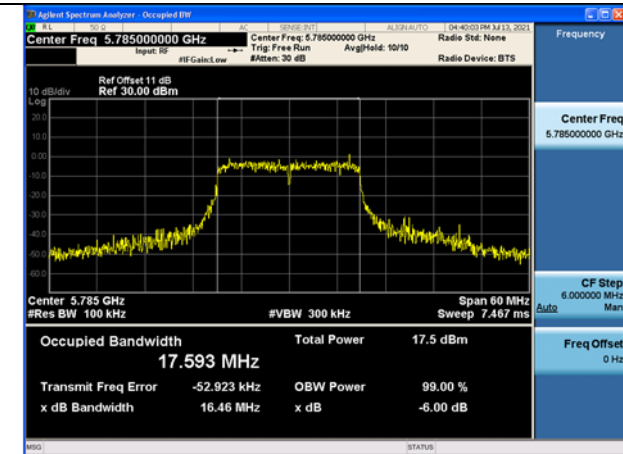
Test Mode: 802.11n HT20 Chain0



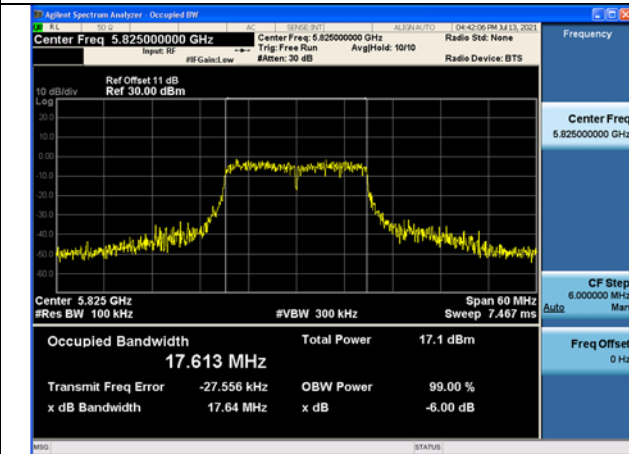
Test Mode: 802.11n HT20 Chain1



Test Mode: 802.11n HT20 Chain1



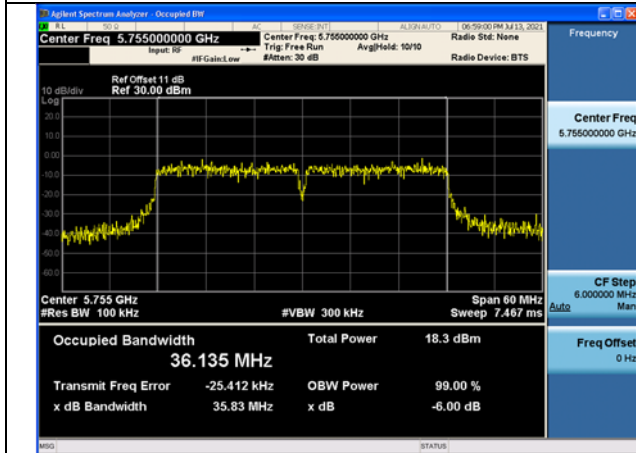
Test Mode: 802.11n HT20 Chain1



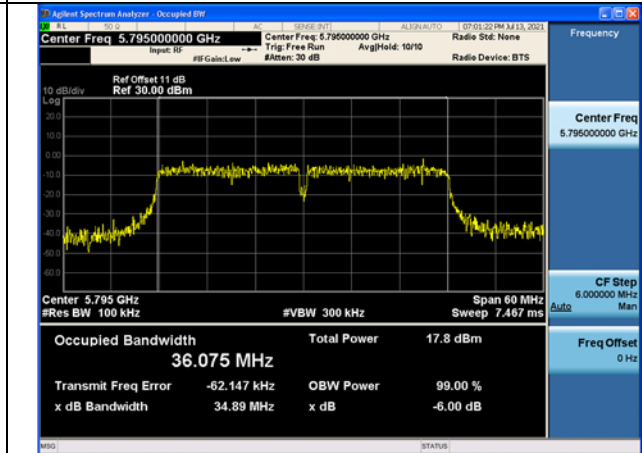
Test Mode: 802.11n HT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5755	Chain0	36.135
	Chain1	36.124
5795	Chain0	36.075
	Chain1	36.119

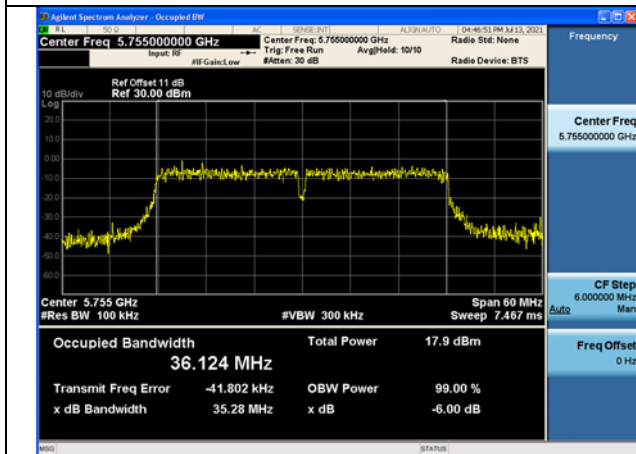
Test Mode: 802.11n HT40 Chain0



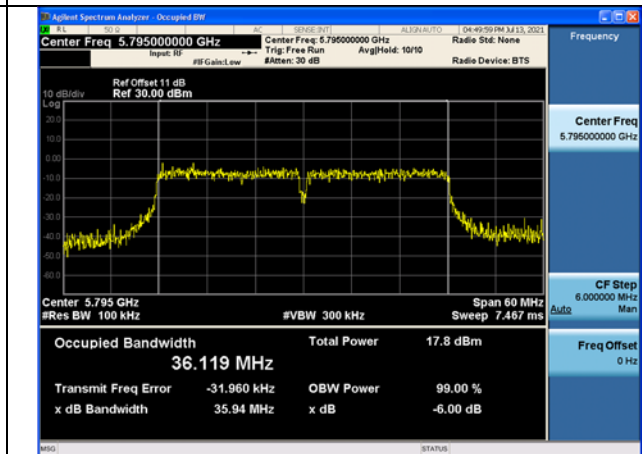
Test Mode: 802.11n HT40 Chain0



Test Mode: 802.11n HT40 Chain1



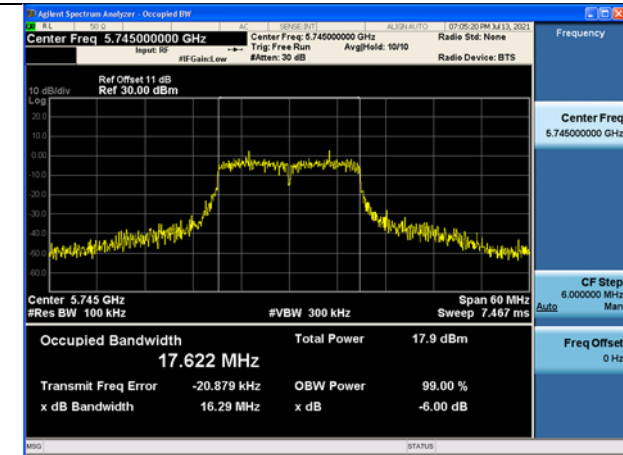
Test Mode: 802.11n HT40 Chain1



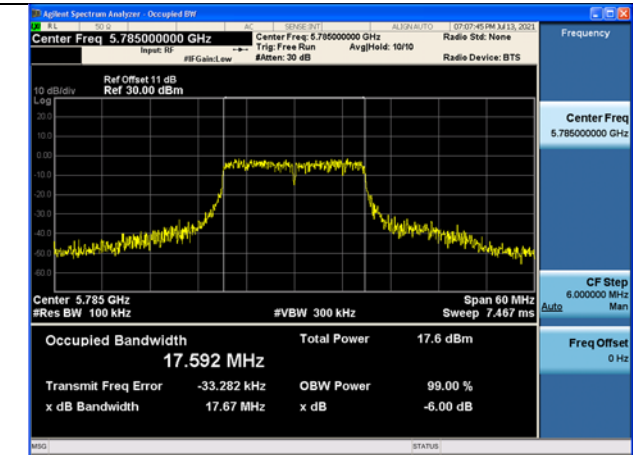
Test Mode: 802.11ac VHT20

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.622
	Chain1	17.603
5785	Chain0	17.592
	Chain1	17.605
5825	Chain0	17.594
	Chain1	17.635

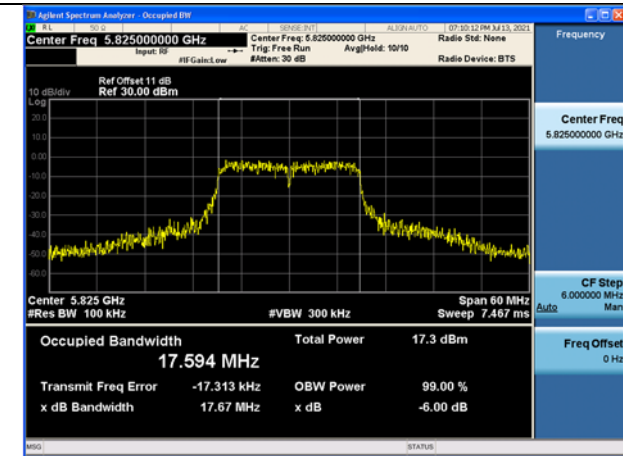
Test Mode: 802.11ac VHT20 Chain0



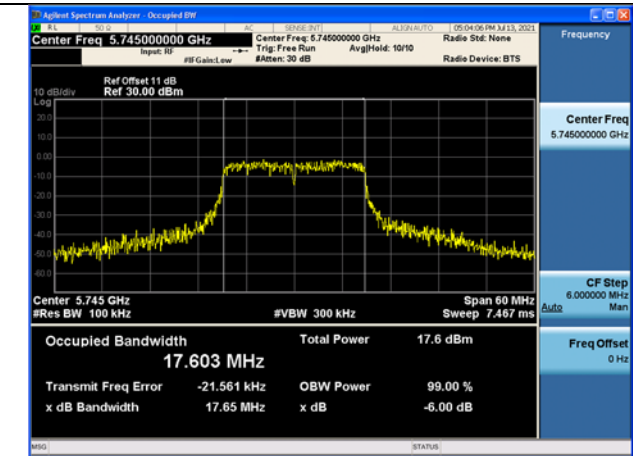
Test Mode: 802.11ac VHT20 Chain0



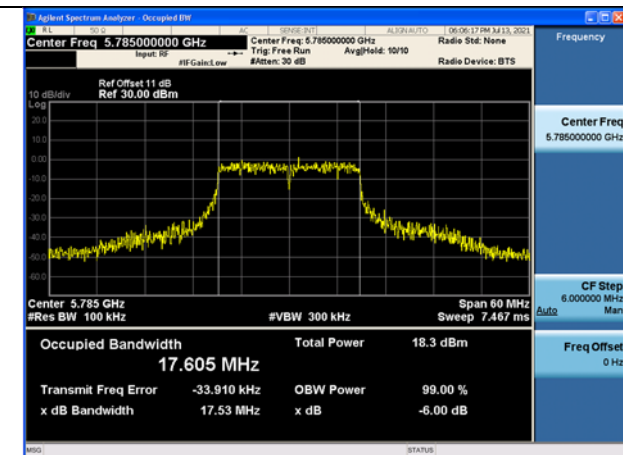
Test Mode: 802.11ac VHT20 Chain0



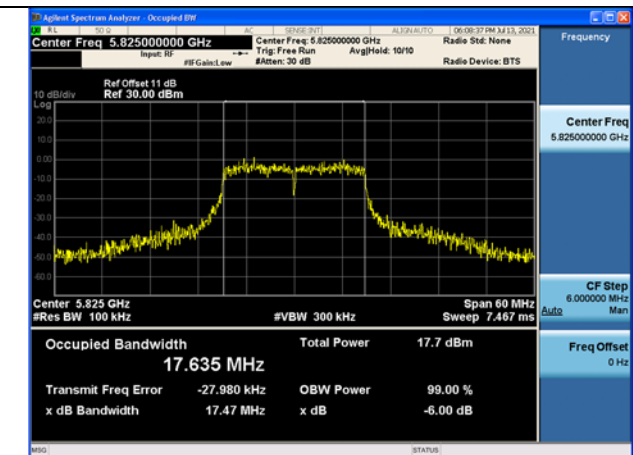
Test Mode: 802.11ac VHT20 Chain1



Test Mode: 802.11ac VHT20 Chain1



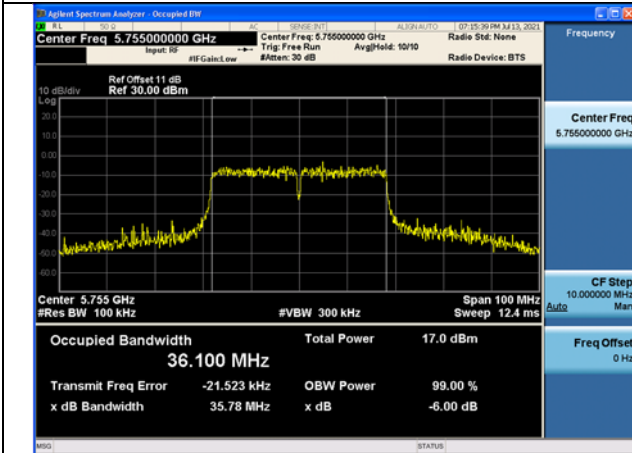
Test Mode: 802.11ac VHT20 Chain1



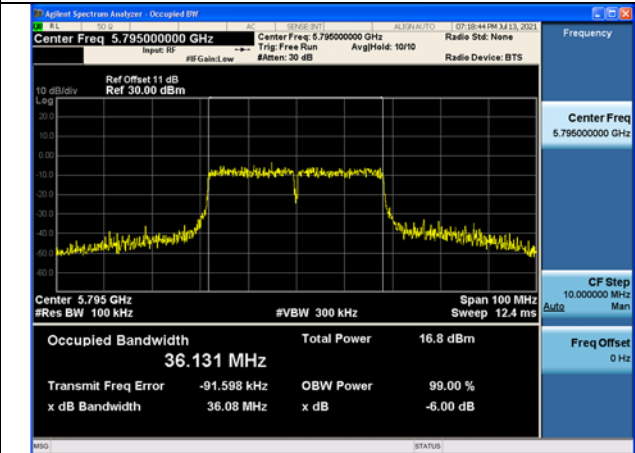
Test Mode: 802.11ac VHT40

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5755	Chain0	36.100
	Chain1	36.140
5795	Chain0	36.131
	Chain1	36.139

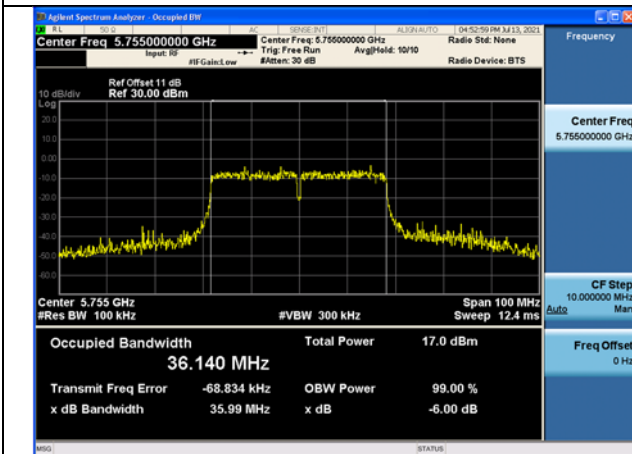
Test Mode: 802.11ac VHT40 Chain0



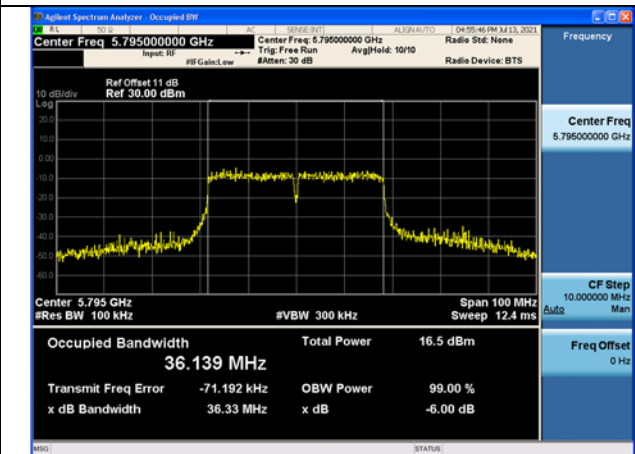
Test Mode: 802.11ac VHT40 Chain0



Test Mode: 802.11ac VHT40 Chain1



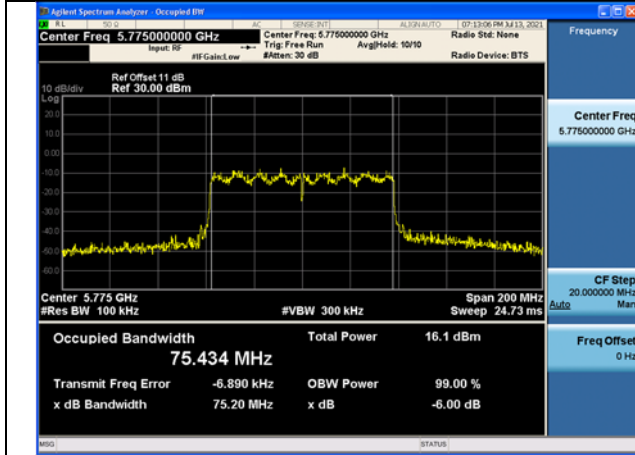
Test Mode: 802.11ac VHT40 Chain1



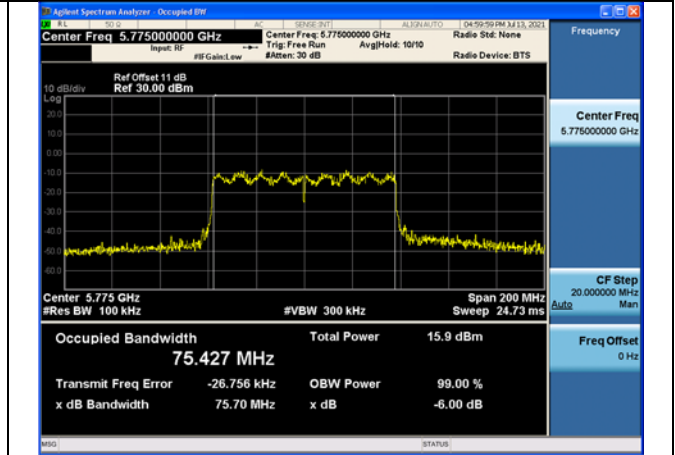
Test Mode: 802.11ac VHT80

Carrier frequency(MHz)	Chain	Occupied Bandwidth (MHz)
5775	Chain0	75.434
	Chain1	75.427

Test Mode: 802.11ac VHT80 Chain0



Test Mode: 802.11ac VHT80 Chain1



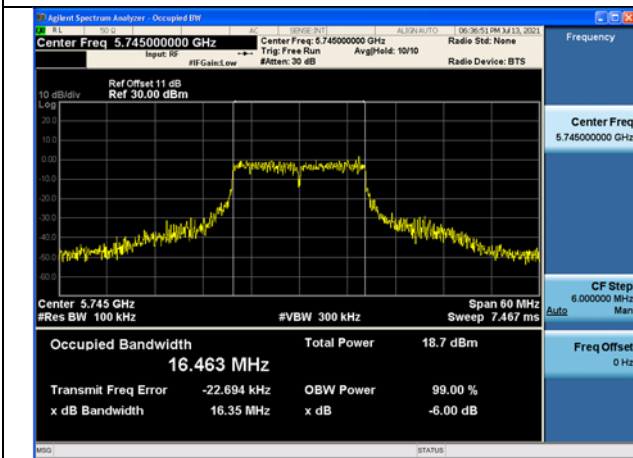
6dB Bandwidth

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

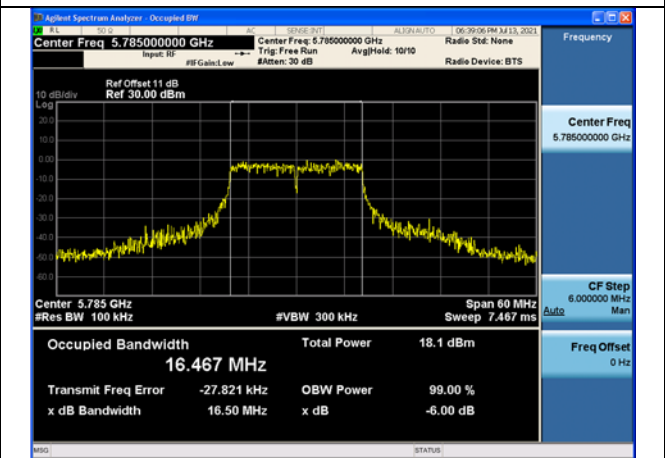
Test Mode: 802.11a

Carrier frequency(MHz)	Chain	6dB Bandwidth (MHz)
5745	Chain0	16.35
	Chain1	16.41
5785	Chain0	16.50
	Chain1	15.66
5825	Chain0	16.51
	Chain1	16.34

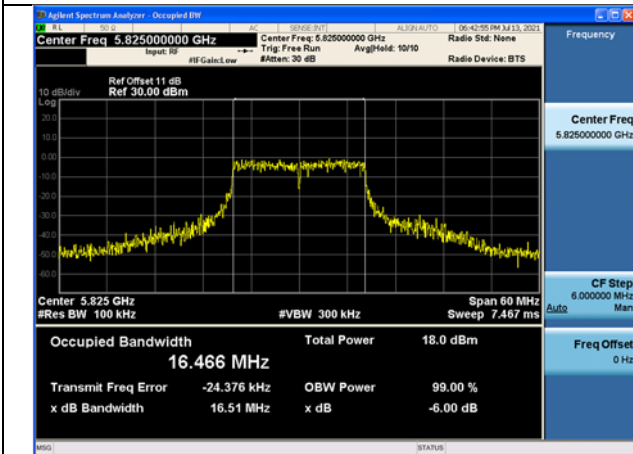
Test Mode: 802.11a Chain0



Test Mode: 802.11a Chain0



Test Mode: 802.11a Chain0



Test Mode: 802.11a Chain1

