APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	96.23%	0.17	Fig.1
802. 11n HT20	5745	95.10%	0.22	Fig.2
802. 11n HT40	5755	91.49%	0.39	Fig.3
802. 11ac VHT20	5745	95.19%	0.21	Fig.4
802. 11ac VHT40	5755	91.48%	0.39	Fig.5
802. 11ac VHT80	5775	85.72%	0.67	Fig.6

Output Power
UNII-3

Mode	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	5745	Chain0	14.28
	5785	Chain0	13.94
	5825	Chain0	14.26
802.11n20M	5745	Chain0	13.64
	5785	Chain0	13.32
	5825	Chain0	13.52
802.11n40M	5755	Chain0	11.46
	5795	Chain0	11.03
802.11ac20M	5745	Chain0	13.55
	5785	Chain0	13.17
	5825	Chain0	13.20
802.11ac40M	5755	Chain0	12.18
	5795	Chain0	11.87
802.11ac80M	5775	Chain0	10.63

Emission Bandwidth

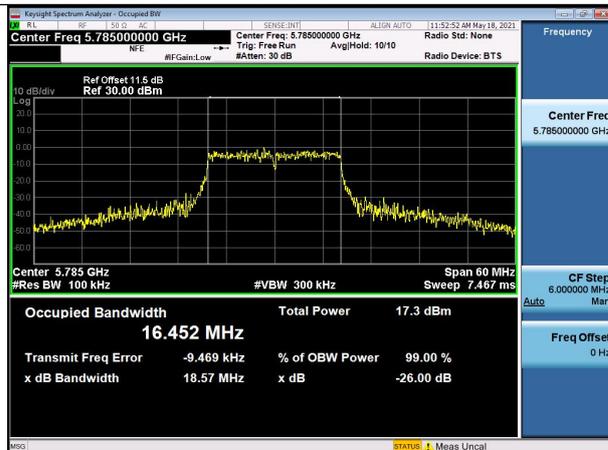Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	19.89
5785	Chain0	18.57
5825	Chain0	18.50

Test Mode:802.11a Chain0	Test Mode:802.11a Chain0
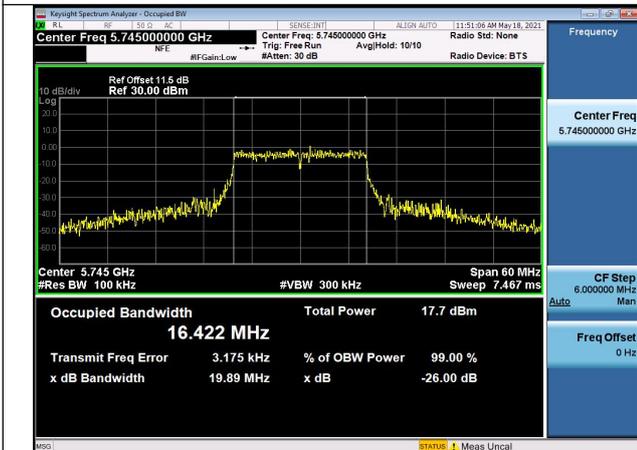
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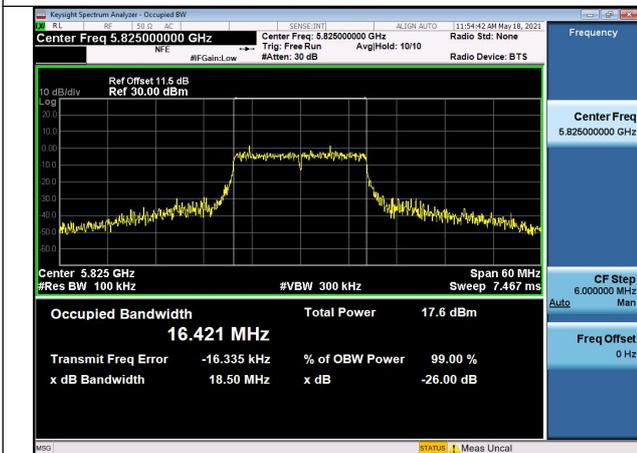
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	19.72
5785	Chain0	19.59
5825	Chain0	23.25

Test Mode:802. 11n HT20 Chain0	Test Mode:802. 11n HT20 Chain0
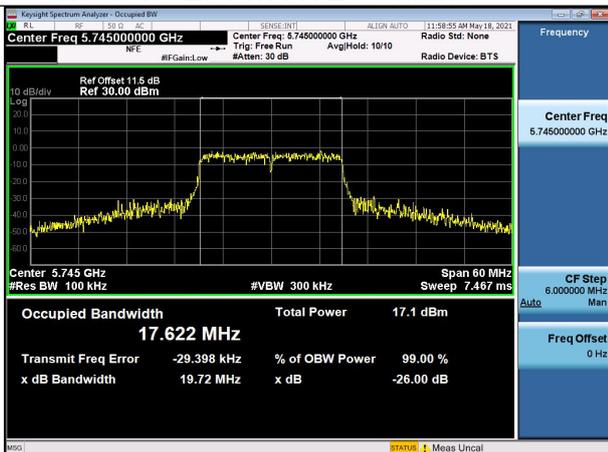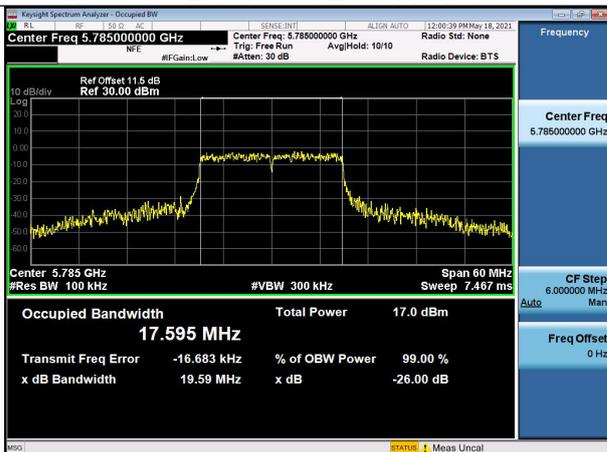
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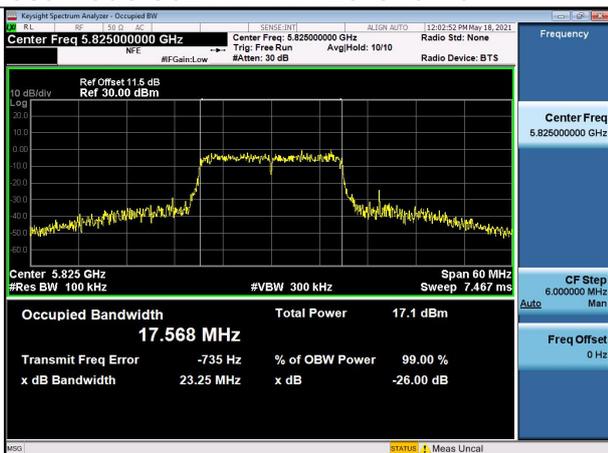
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5755	Chain0	38.25
5795	Chain0	38.63

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
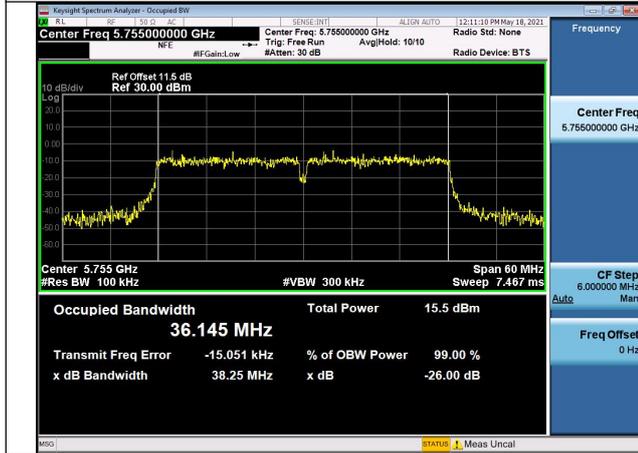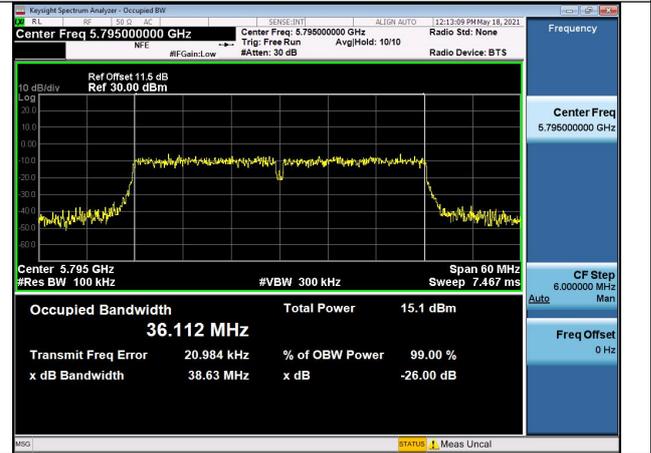
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	19.48
5785	Chain0	19.19
5825	Chain0	18.99

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0
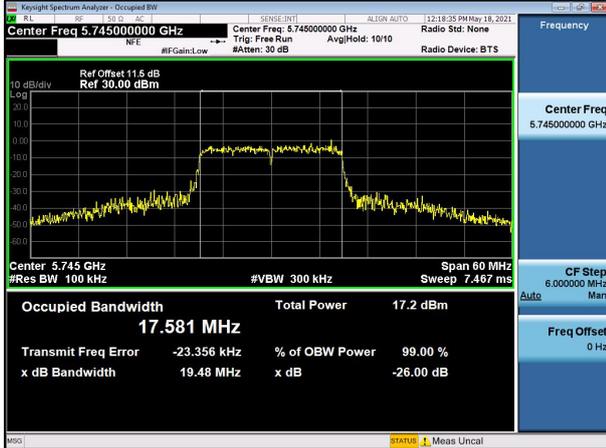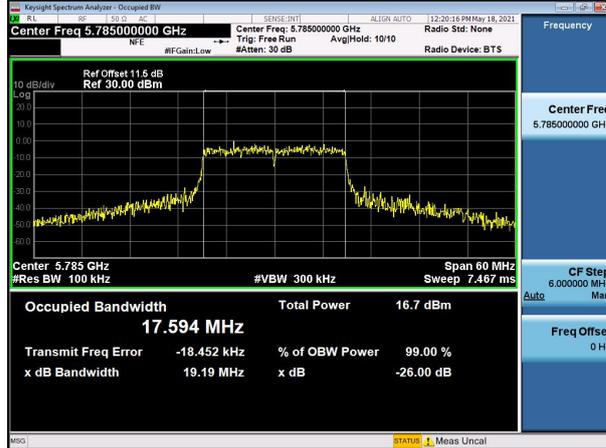
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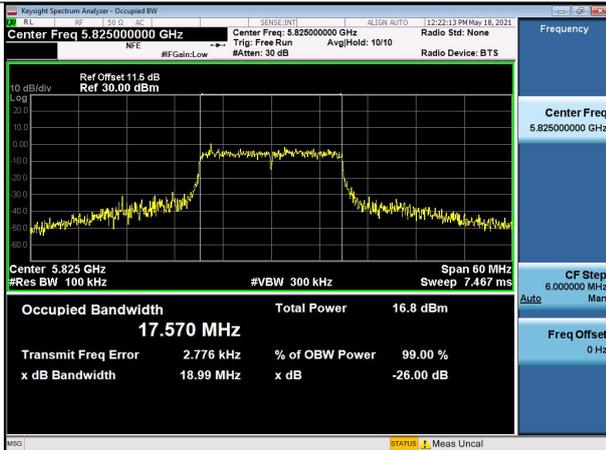
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5755	Chain0	38.36
5795	Chain0	38.48

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0
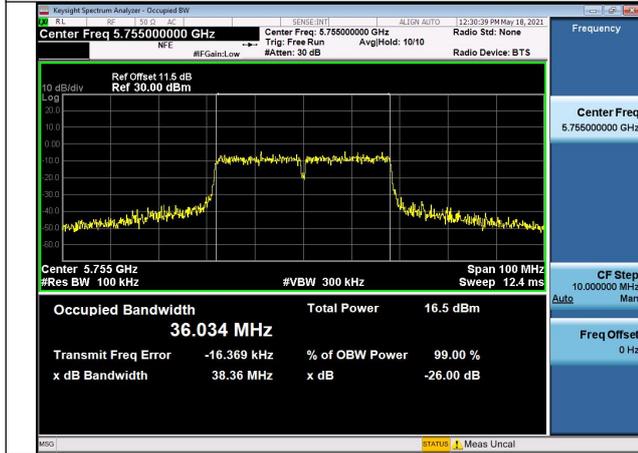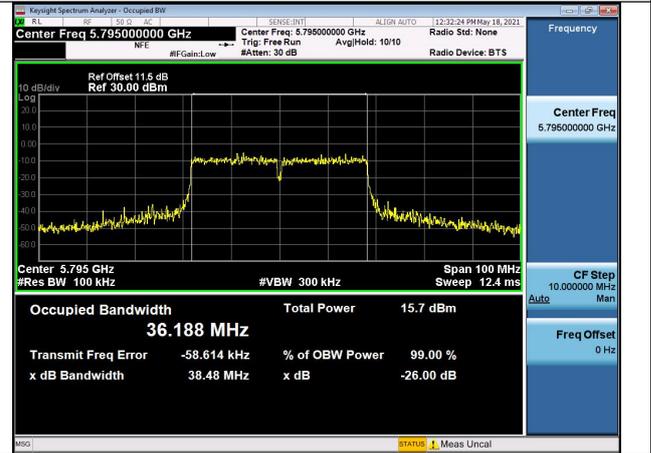
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5775	Chain0	77.86

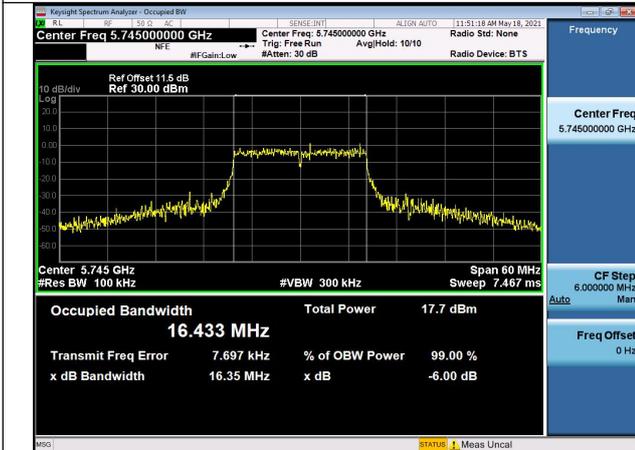| Test Mode:802. 11ac VHT80 Chain0 |
|---|
| |
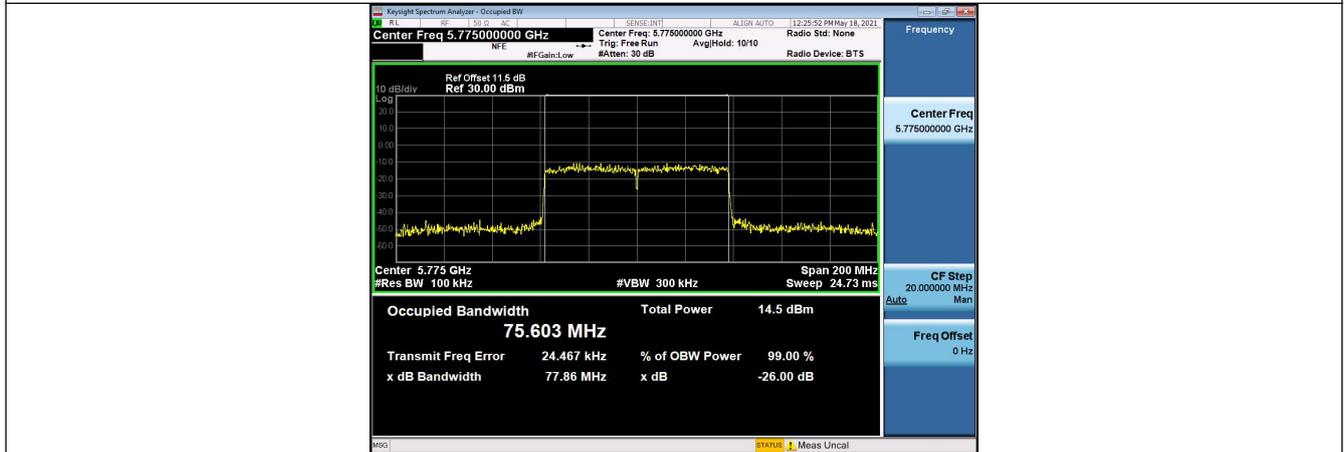
Occupied Bandwidth

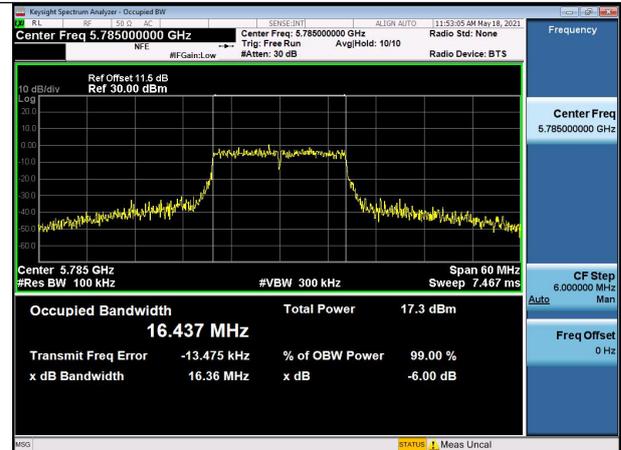Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	16.433
5785	Chain0	16.437
5825	Chain0	16.460

Test Mode:802.11a Chain0	Test Mode:802.11a Chain0

Test Mode:802.11a Chain0	
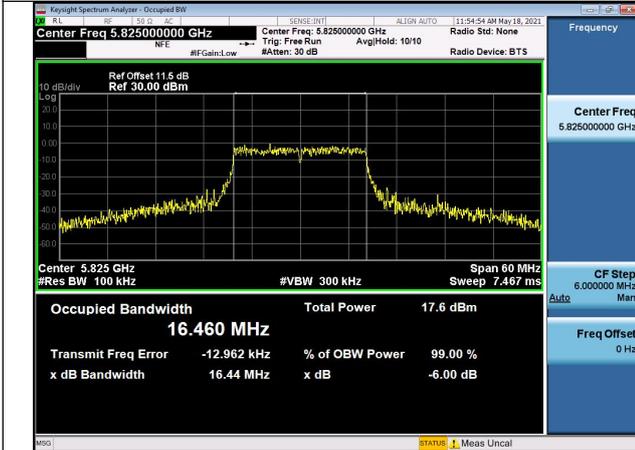
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.564
5785	Chain0	17.596
5825	Chain0	17.625

Test Mode:802. 11n HT20 Chain0	Test Mode:802. 11n HT20 Chain0
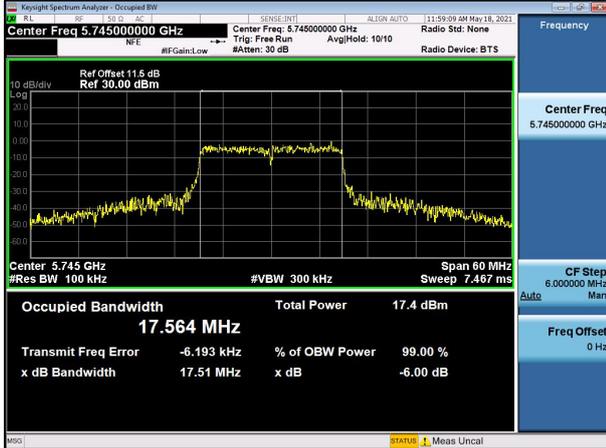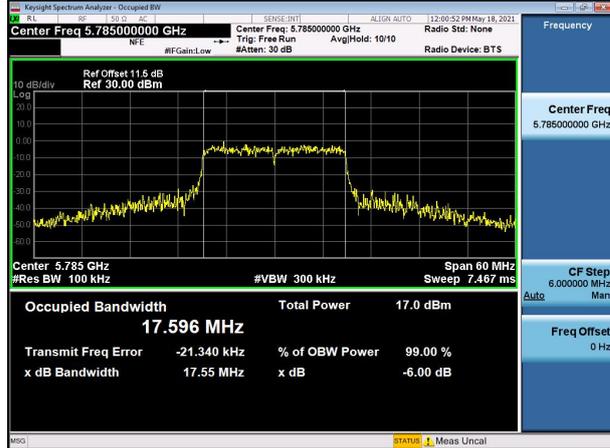
Test Mode:802. 11n HT20 Chain0	
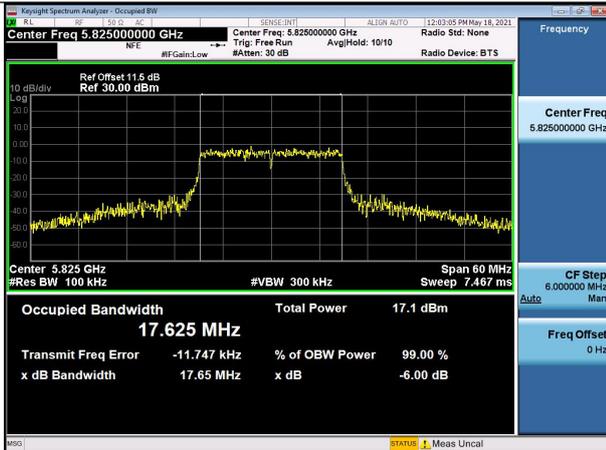
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5755	Chain0	36.122
5795	Chain0	36.008

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
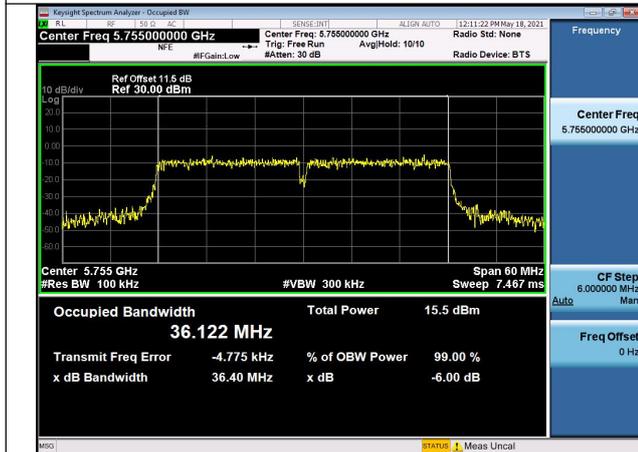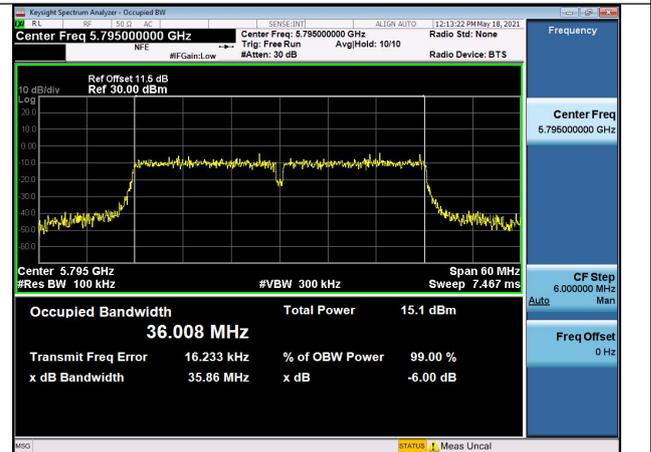
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.608
5785	Chain0	17.595
5825	Chain0	17.602

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0
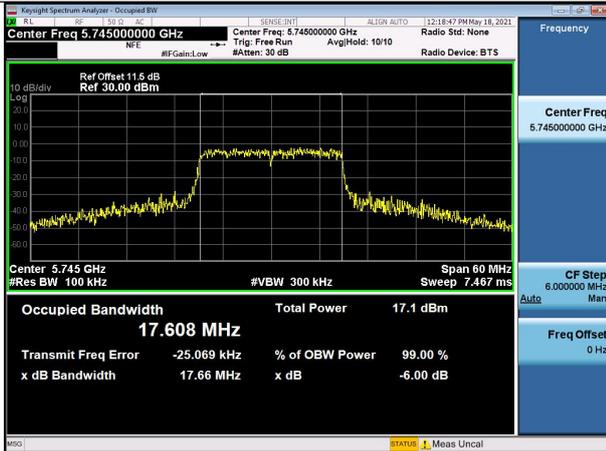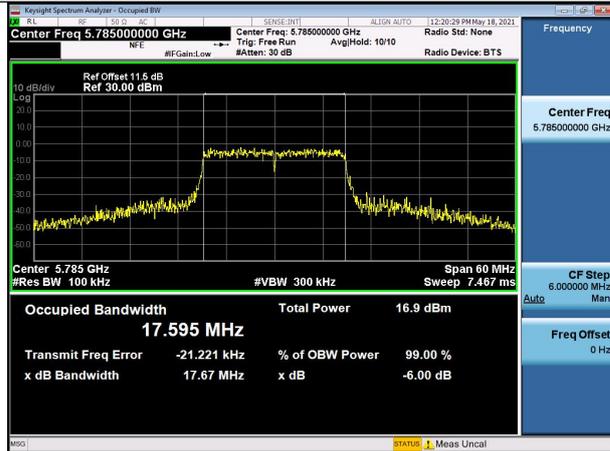
Test Mode:802. 11ac VHT20 Chain0	
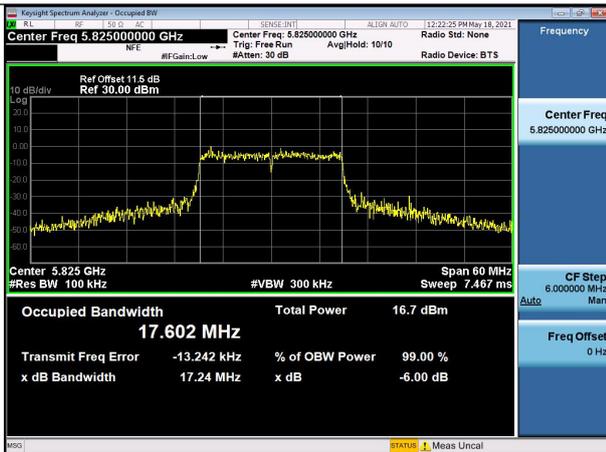
Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5755	Chain0	36.115
5795	Chain0	36.141

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0
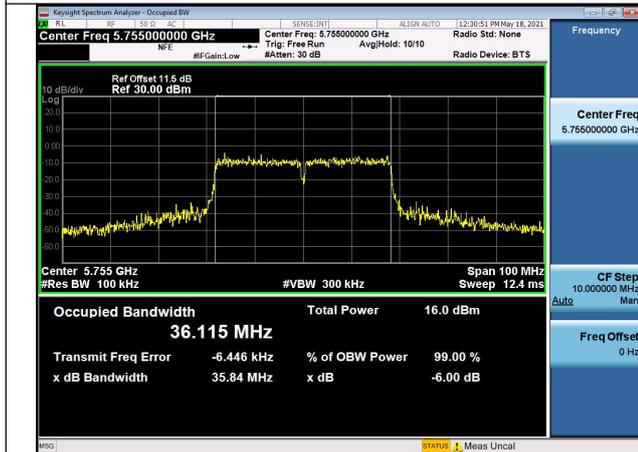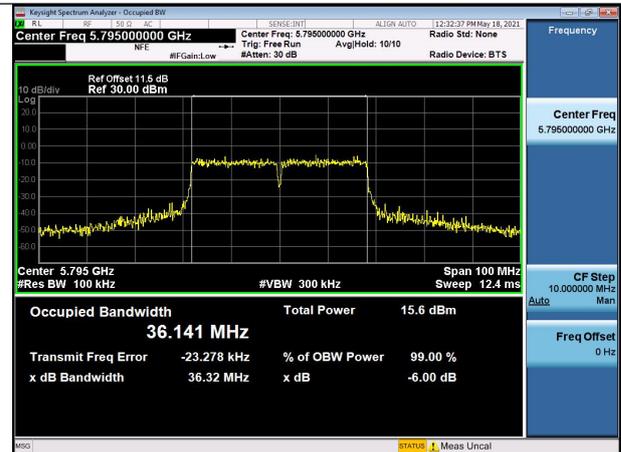
Test Mode:802. 11ac VHT80

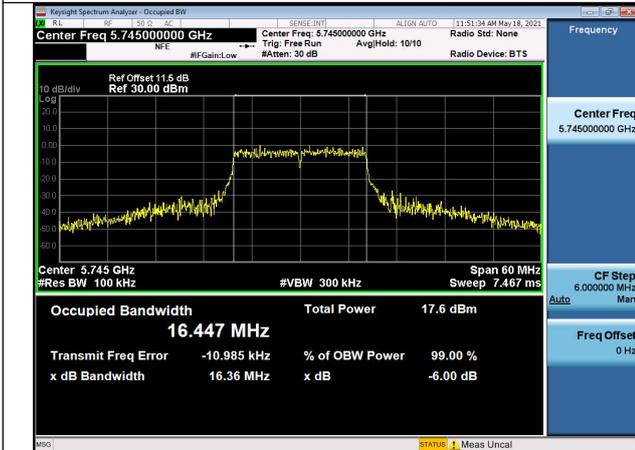| Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5775	Chain0	75.469

Test Mode:802. 11ac VHT80 Chain0
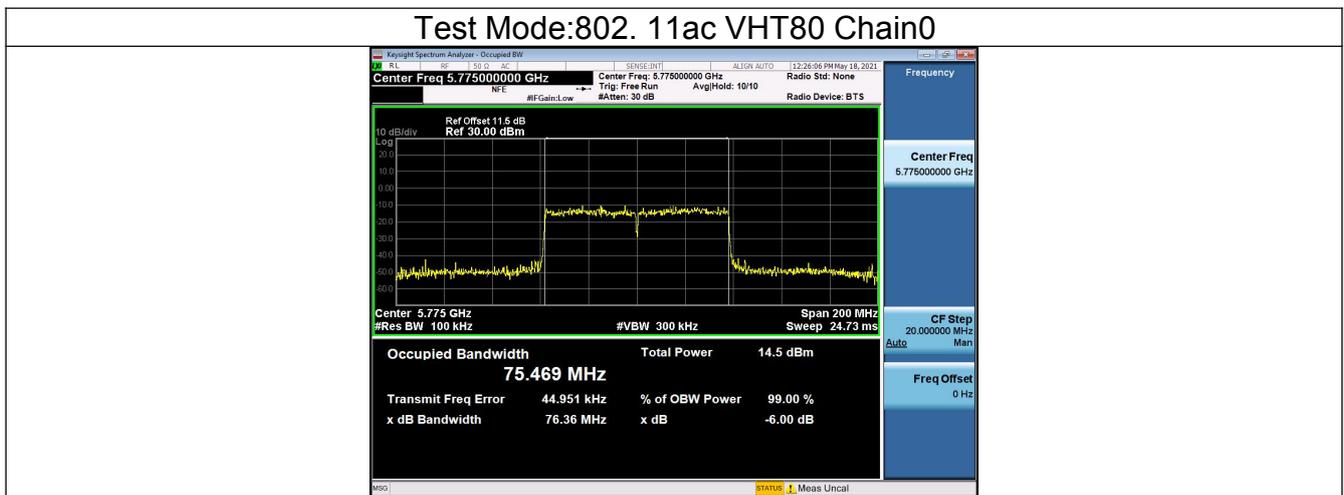
6dB Bandwidth

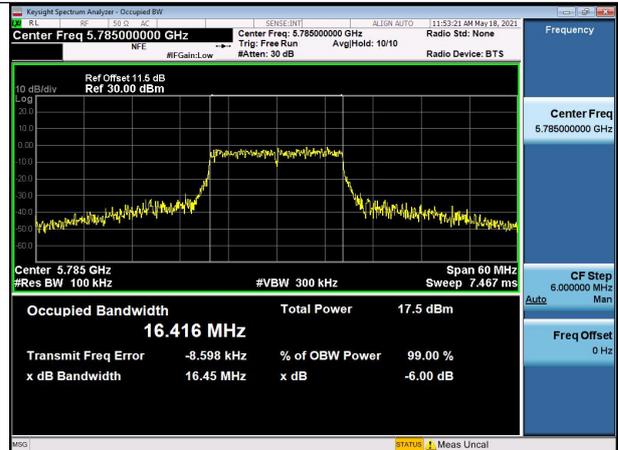Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

Test Mode:802.11a

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5745	Chain0	16.36
5785	Chain0	16.45
5825	Chain0	16.35

Test Mode:802.11a Chain0	Test Mode:802.11a Chain0

Test Mode:802.11a Chain0	
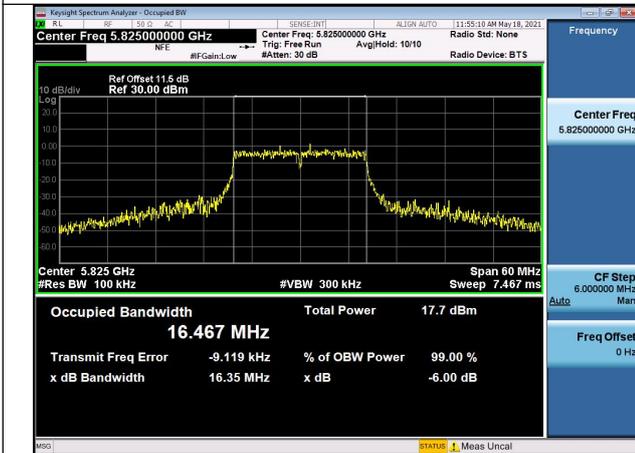
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5745	Chain0	17.53
5785	Chain0	17.31
5825	Chain0	17.59

Test Mode:802. 11n HT20 Chain0	Test Mode:802. 11n HT20 Chain0
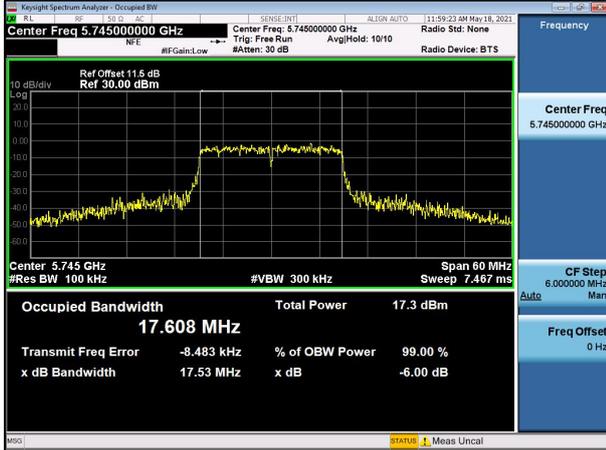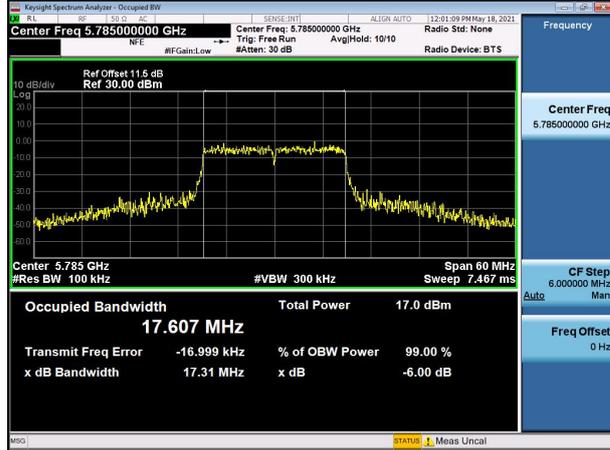
Test Mode:802. 11n HT20 Chain0	
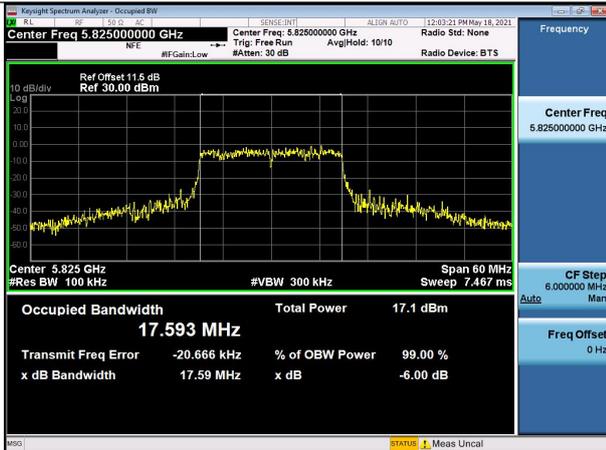
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5755	Chain0	35.86
5795	Chain0	35.89

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0