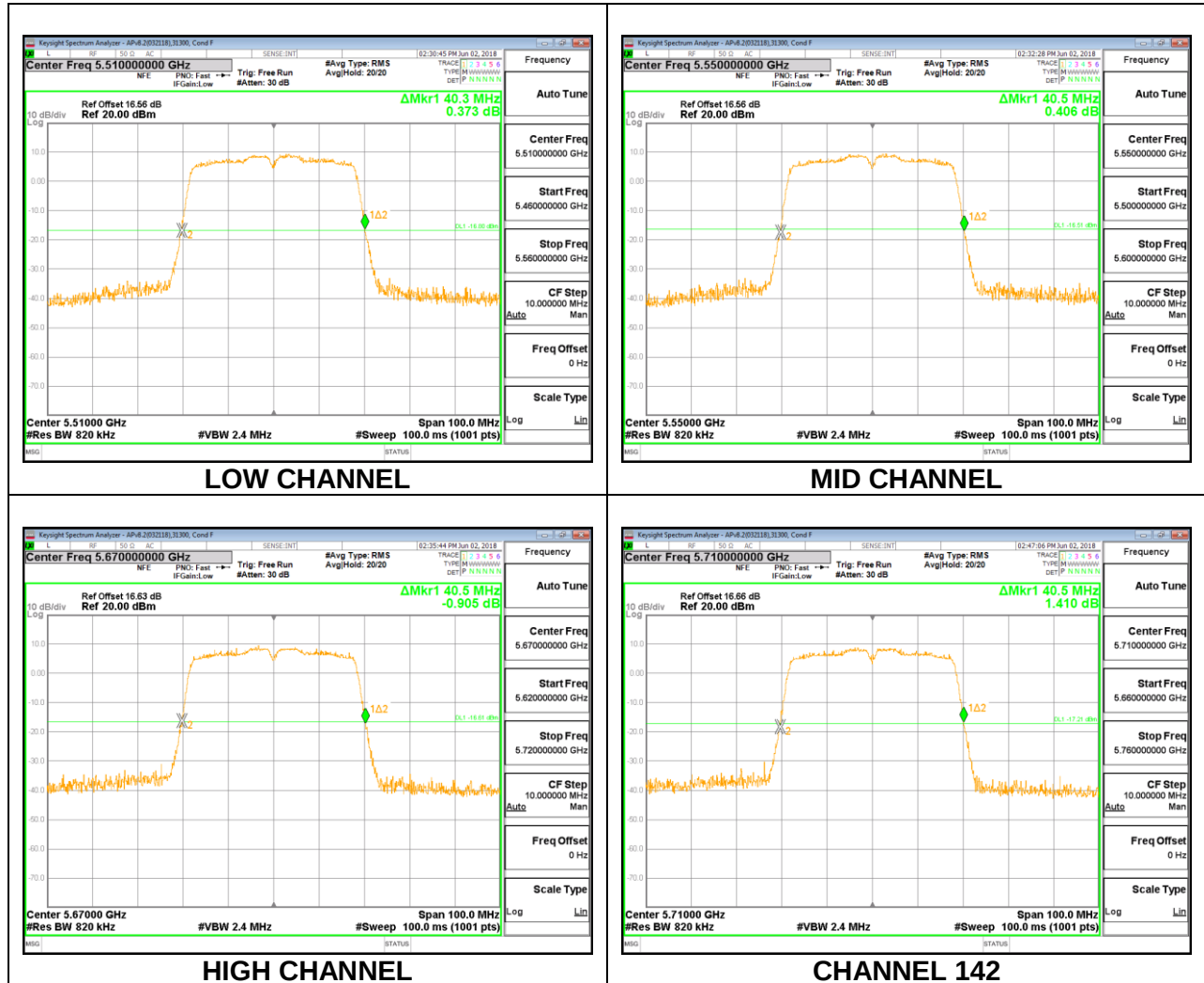


8.2.8. 802.11n HT40 MODE IN THE 5.6 GHz BAND

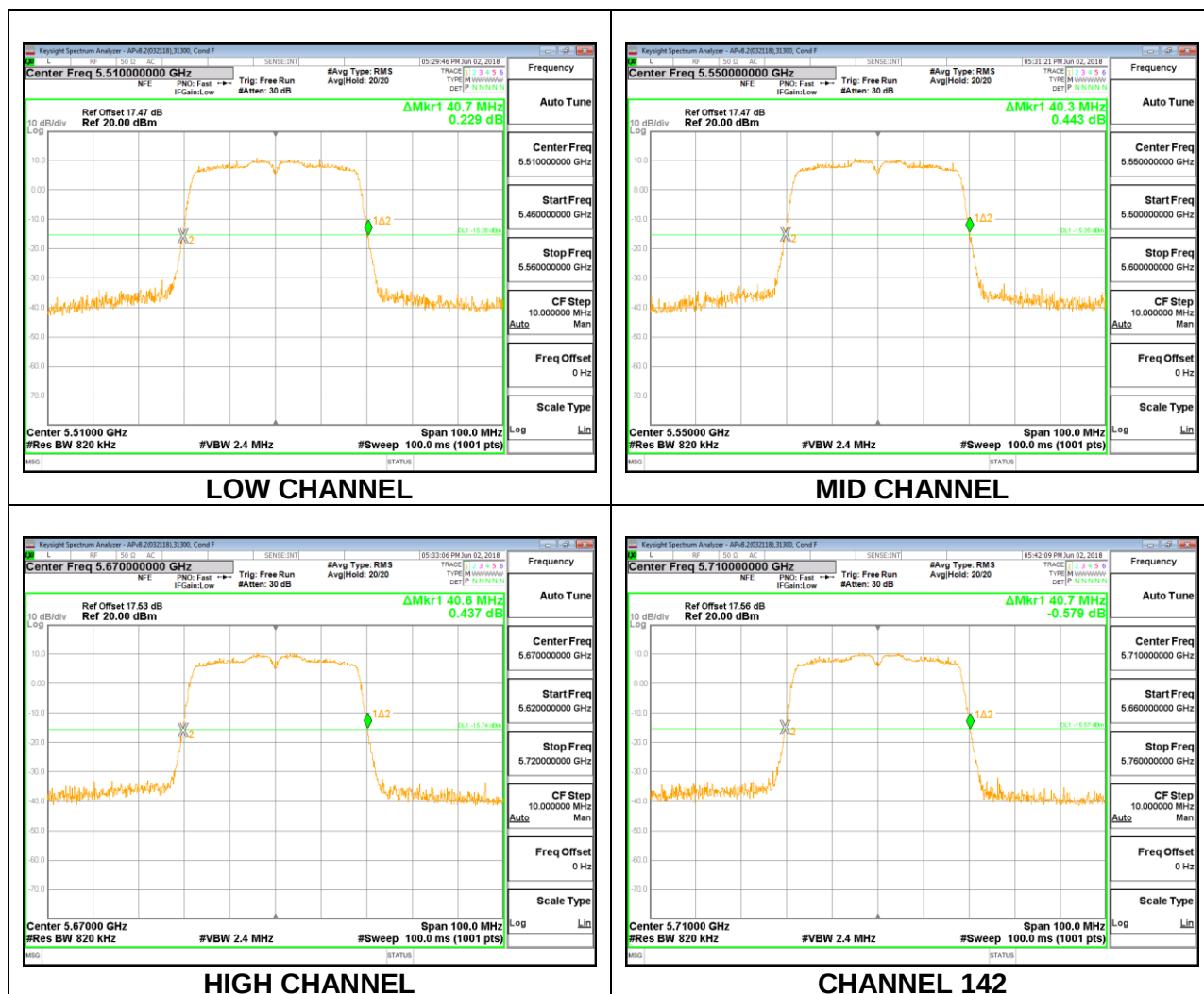
1TX Antenna 4 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5510	40.30
Mid	5550	40.50
High	5670	40.50
142	5710	40.50



1TX Antenna 5 MODE

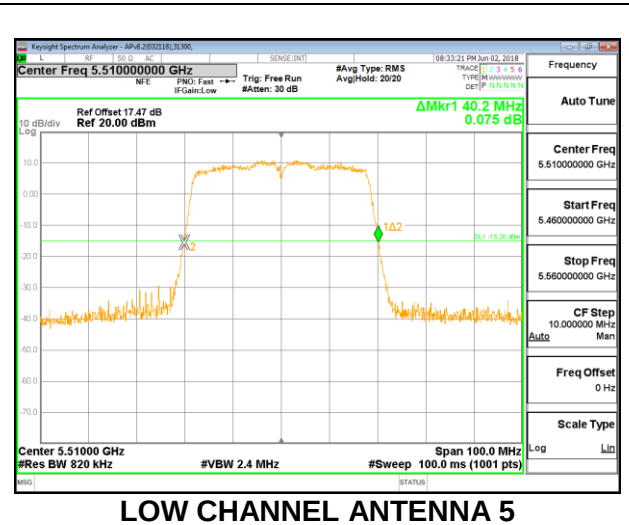
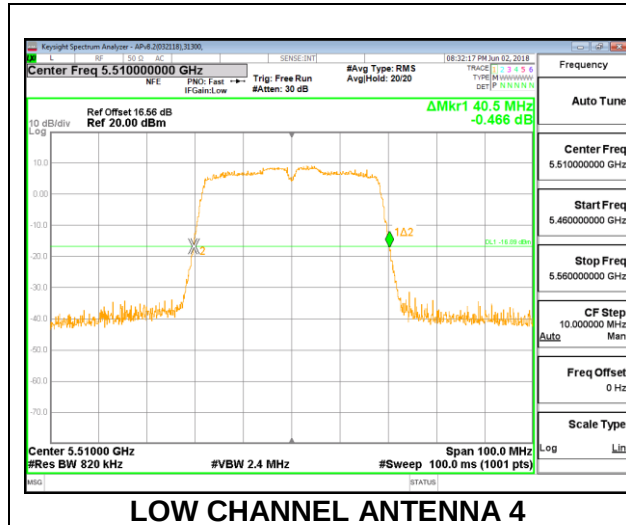
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	40.70
Mid	5550	40.30
High	5670	40.60
142	5710	40.70



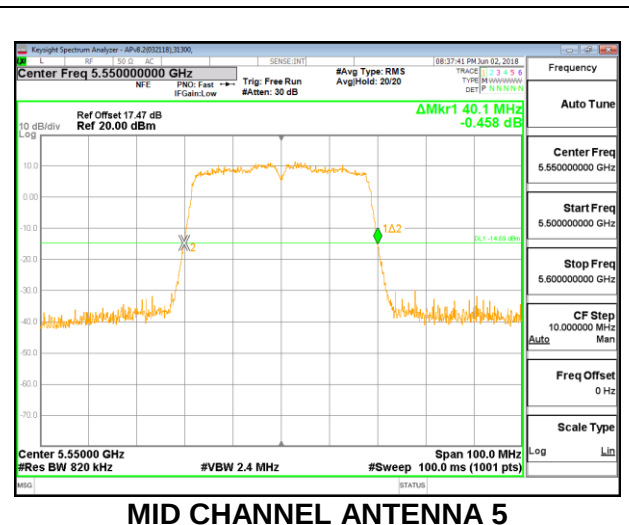
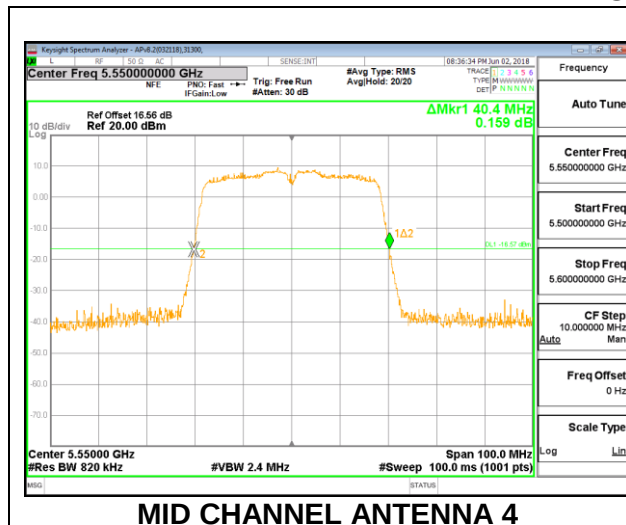
2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 4 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5510	40.50	40.20
Mid	5550	40.40	40.10
High	5670	40.60	40.30
142	5710	40.50	40.00

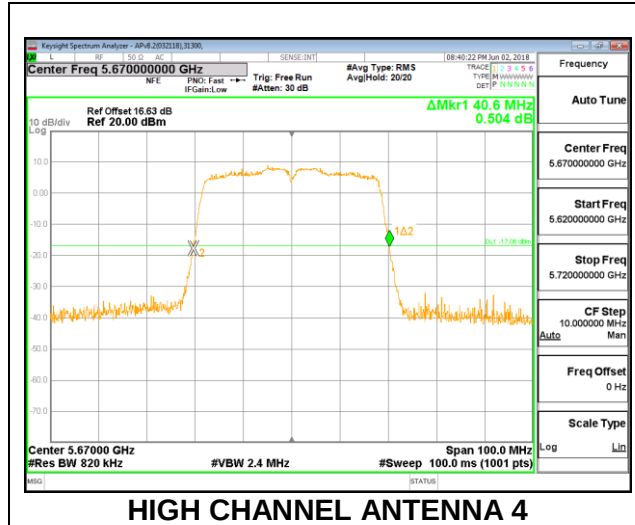
LOW CHANNEL



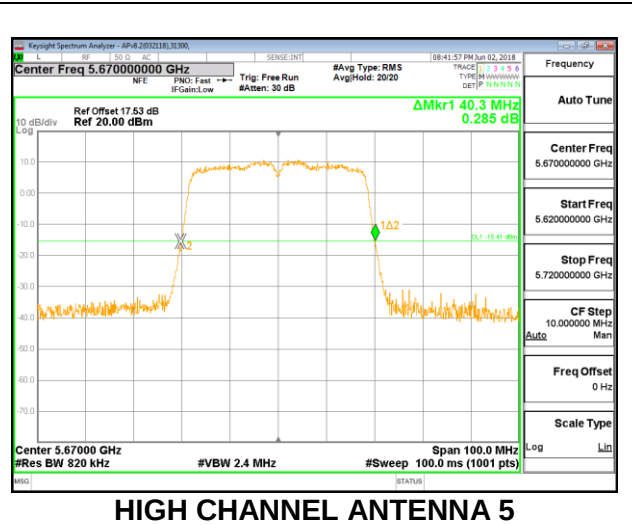
MID CHANNEL



HIGH CHANNEL

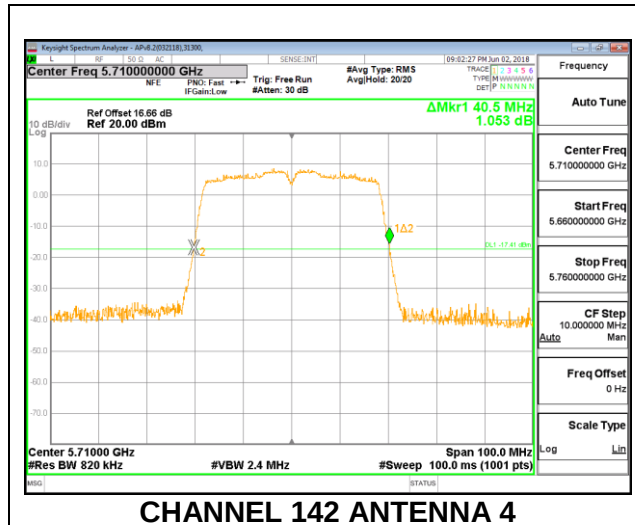


HIGH CHANNEL ANTENNA 4

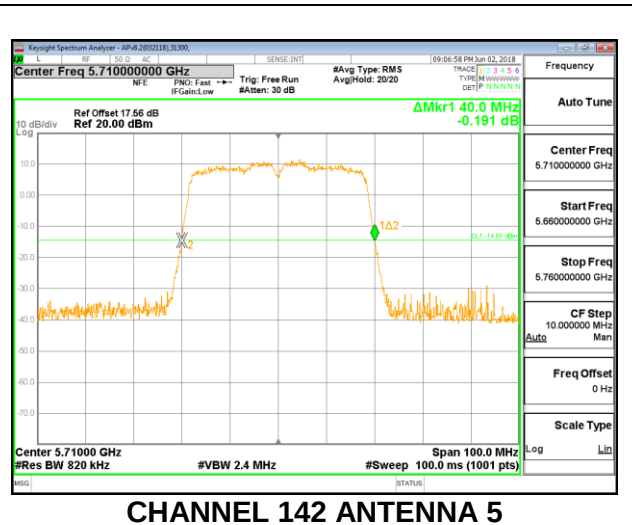


HIGH CHANNEL ANTENNA 5

CHANNEL 142



CHANNEL 142 ANTENNA 4

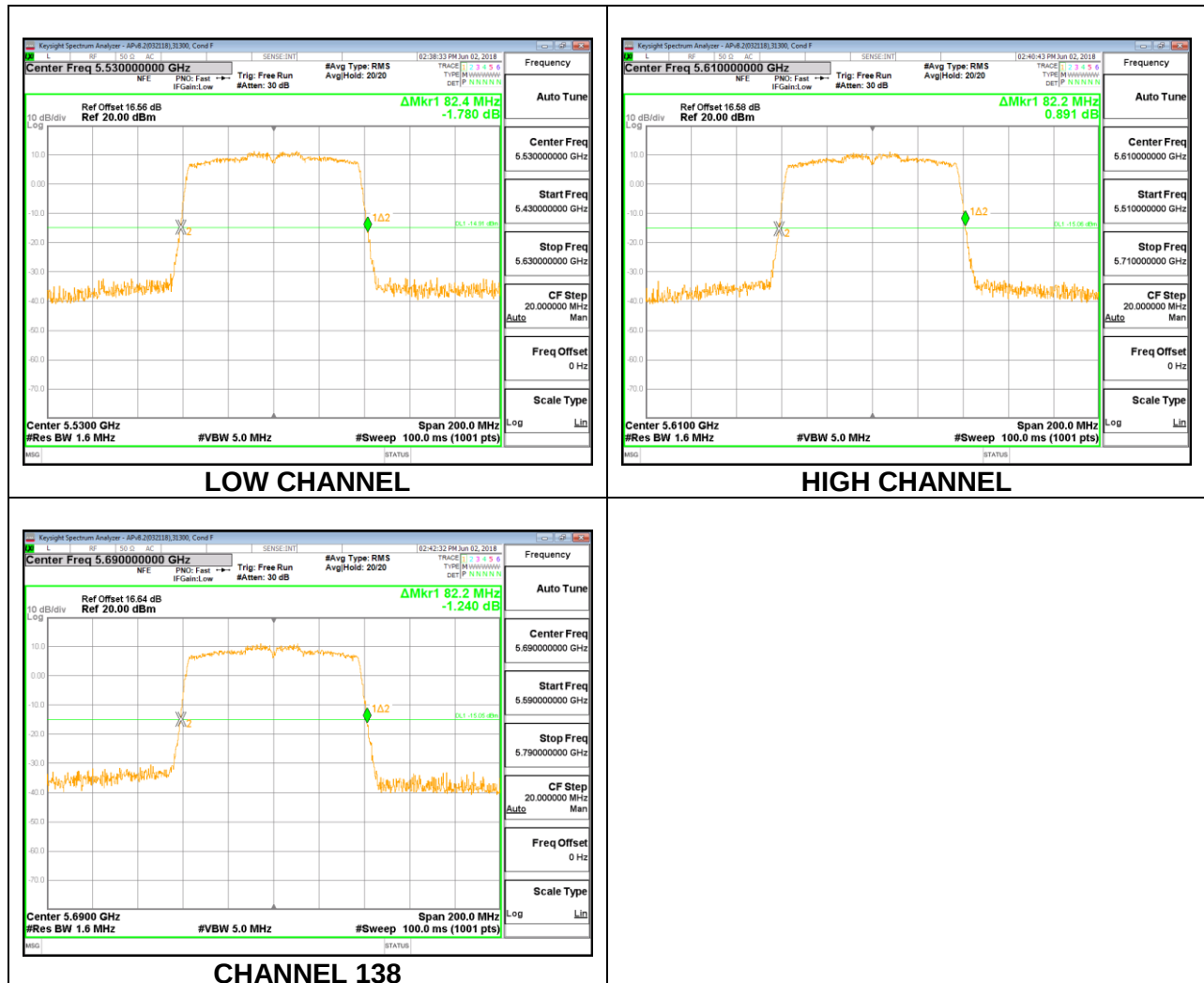


CHANNEL 142 ANTENNA 5

8.2.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

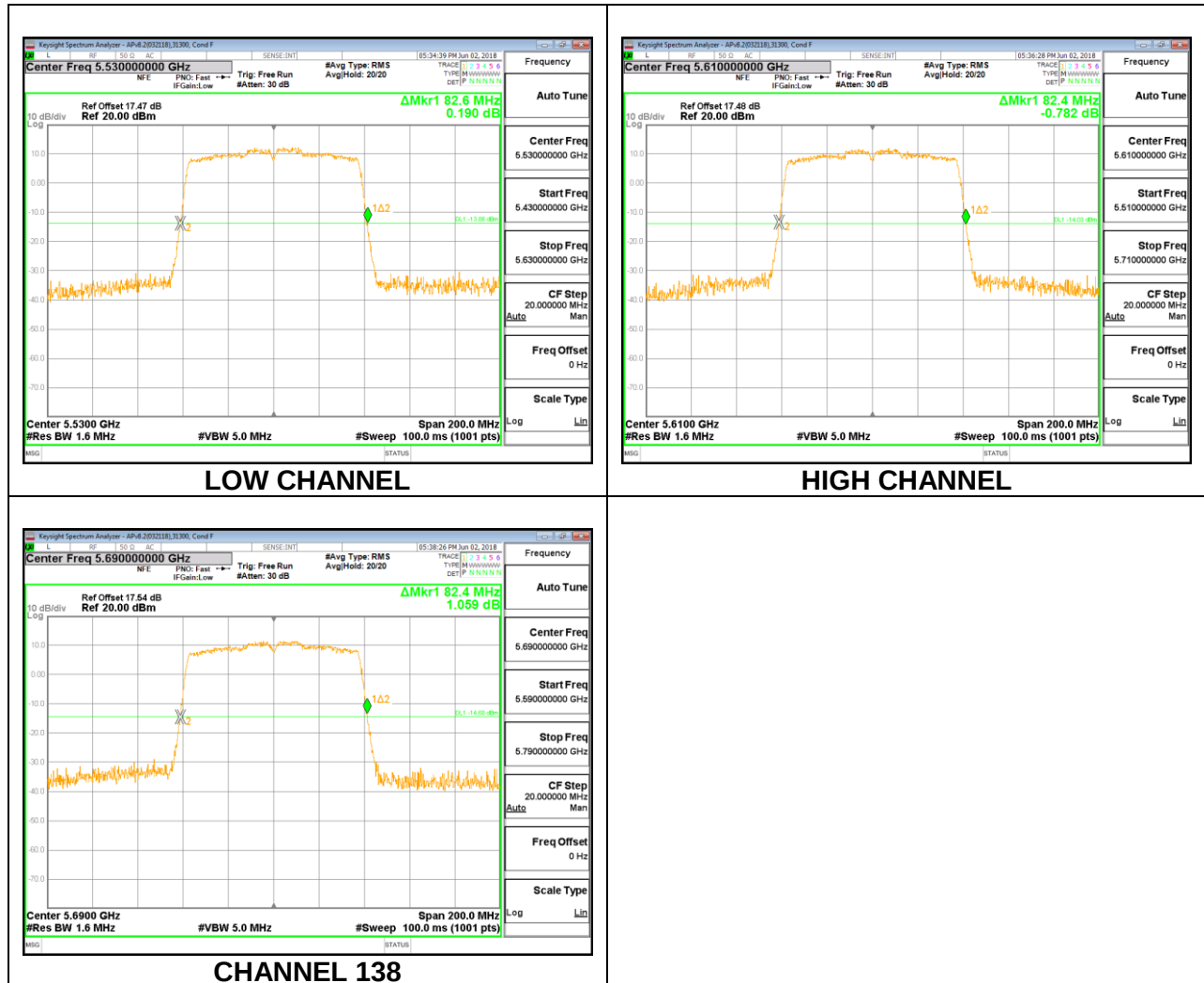
1TX Antenna 4 MODE

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5530	82.40
High	5610	82.20
138	5690	82.20

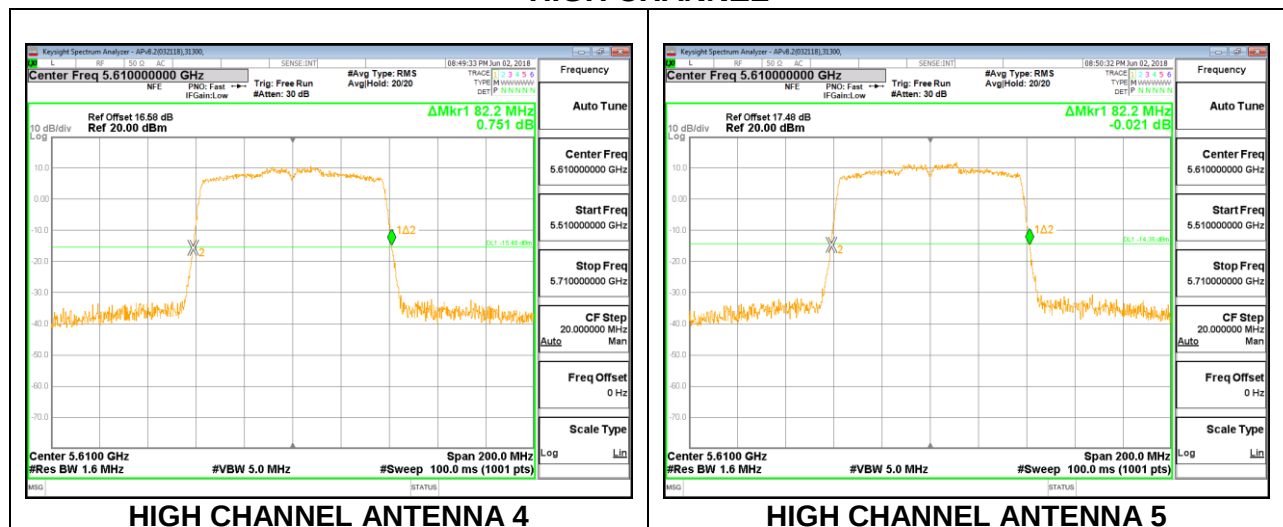
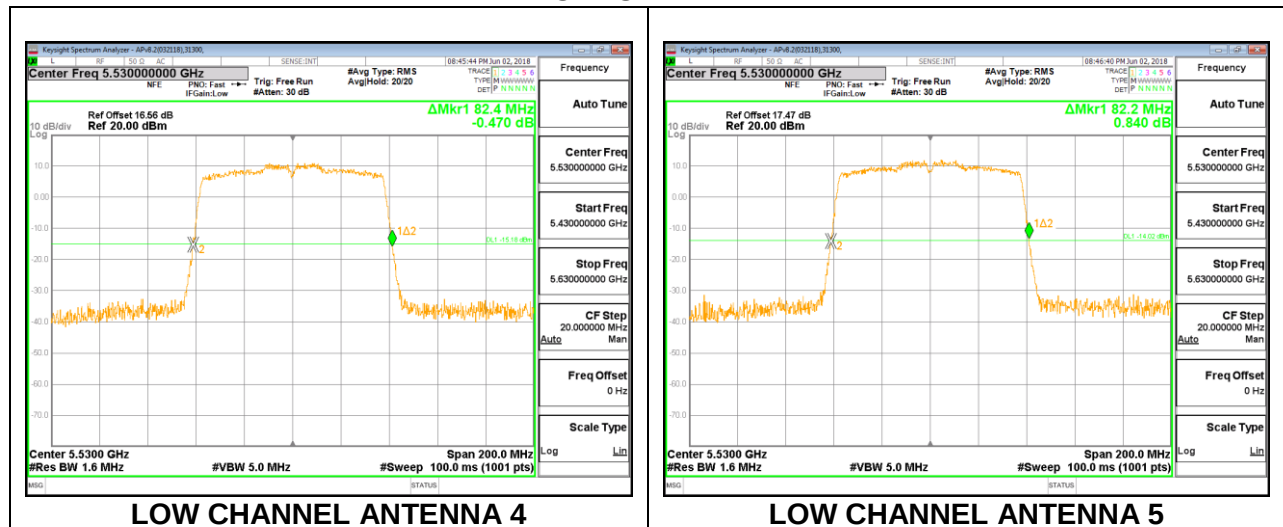


1TX Antenna 5 MODE

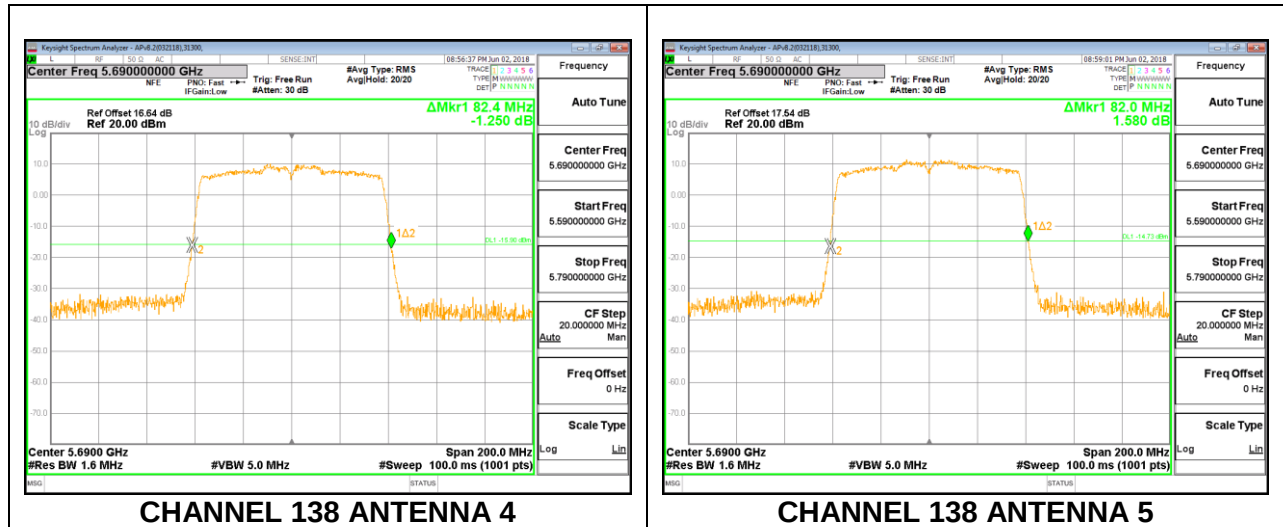
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5530	82.60
High	5610	82.40
138	5690	82.40



Channel	Frequency (MHz)	26 dB Bandwidth Antenna 4 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5530	82.40	82.20
High	5610	82.20	82.20
138	5690	82.40	82.00



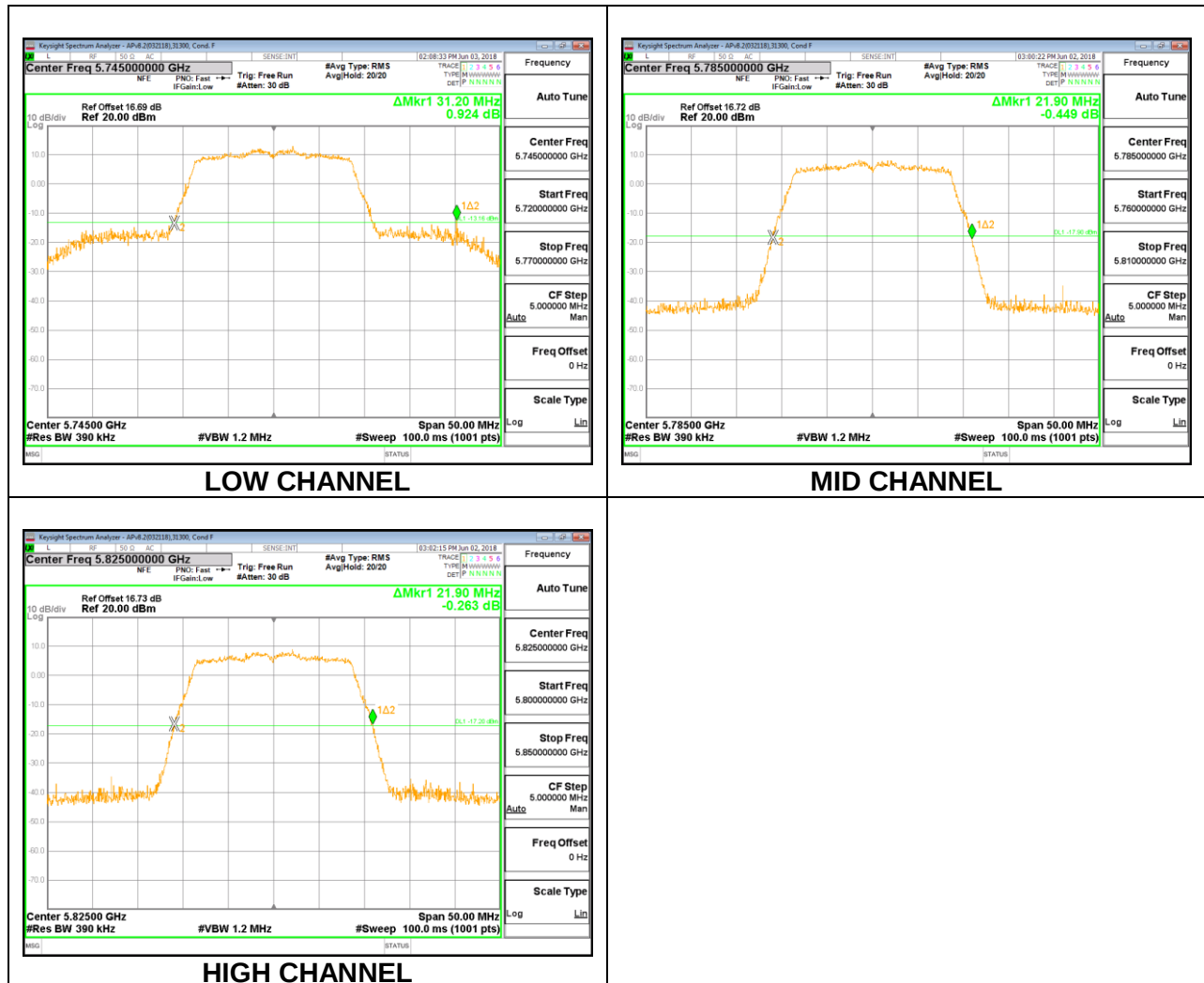
CHANNEL 138



8.2.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

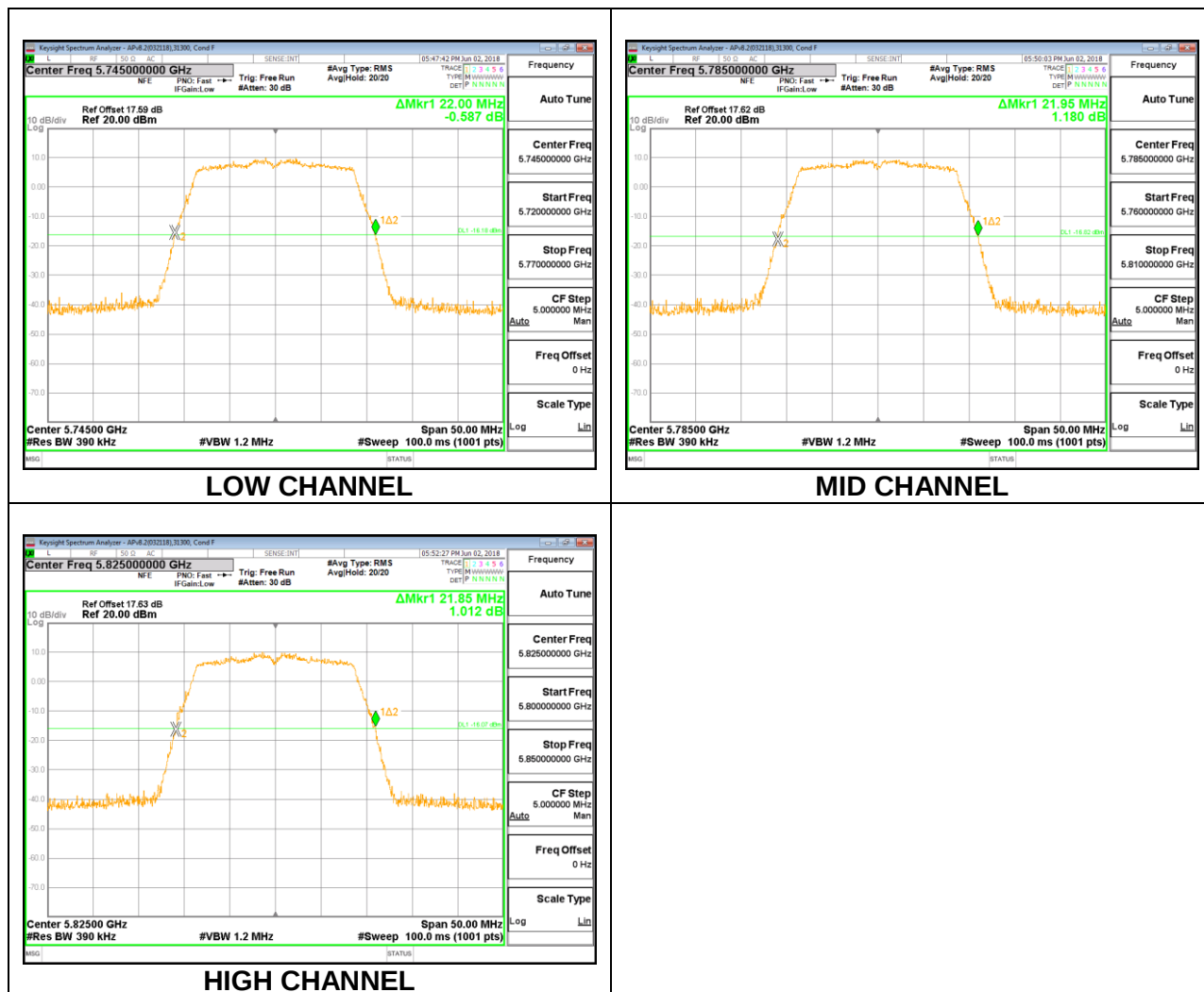
1TX Antenna 4 MODE

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5745	31.20
Mid	5785	21.90
High	5825	21.90



1TX Antenna 5 MODE

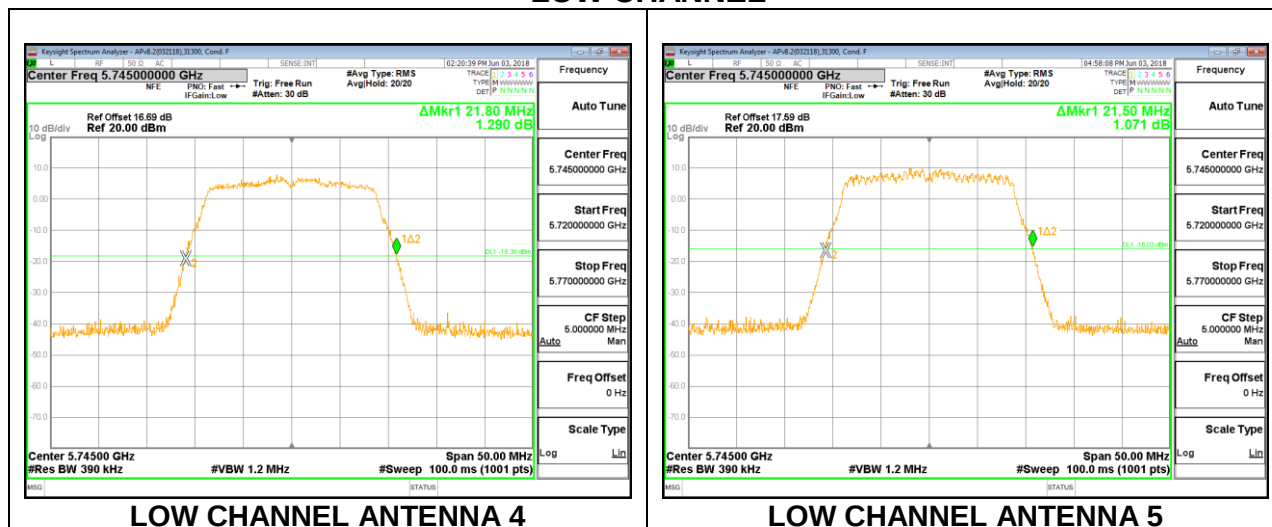
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5745	22.00
Mid	5785	21.95
High	5825	21.85



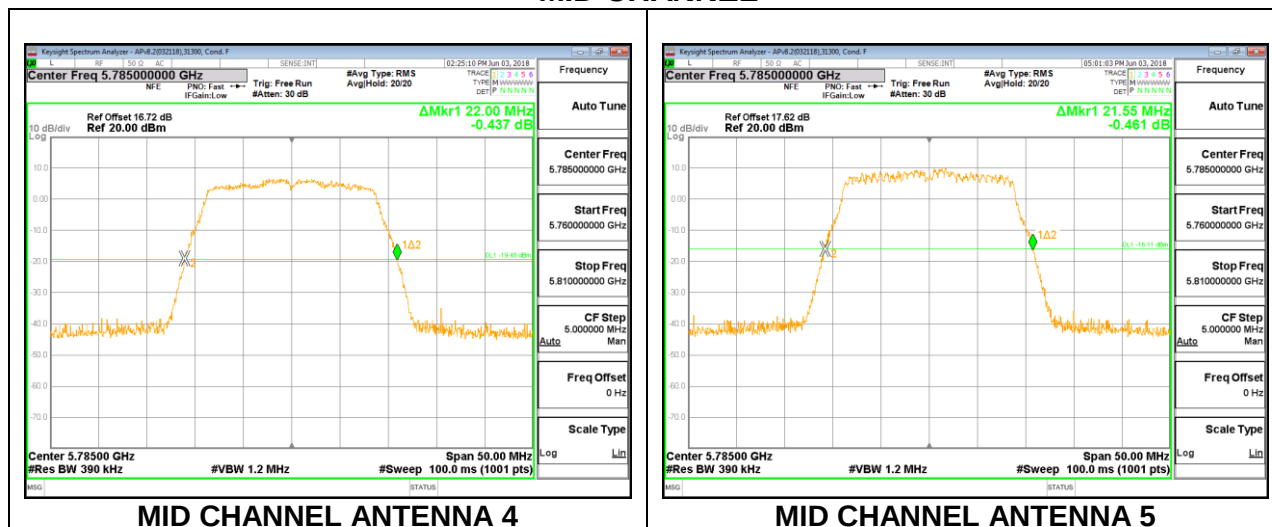
2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 4 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5745	21.80	21.50
Mid	5785	22.00	21.55
High	5825	22.00	21.50

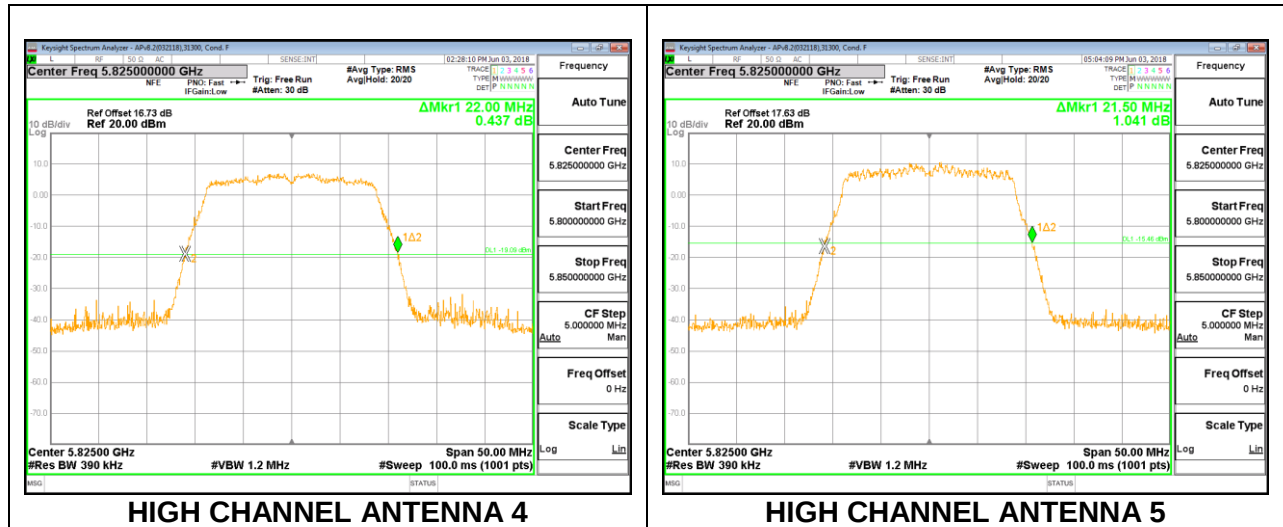
LOW CHANNEL



MID CHANNEL



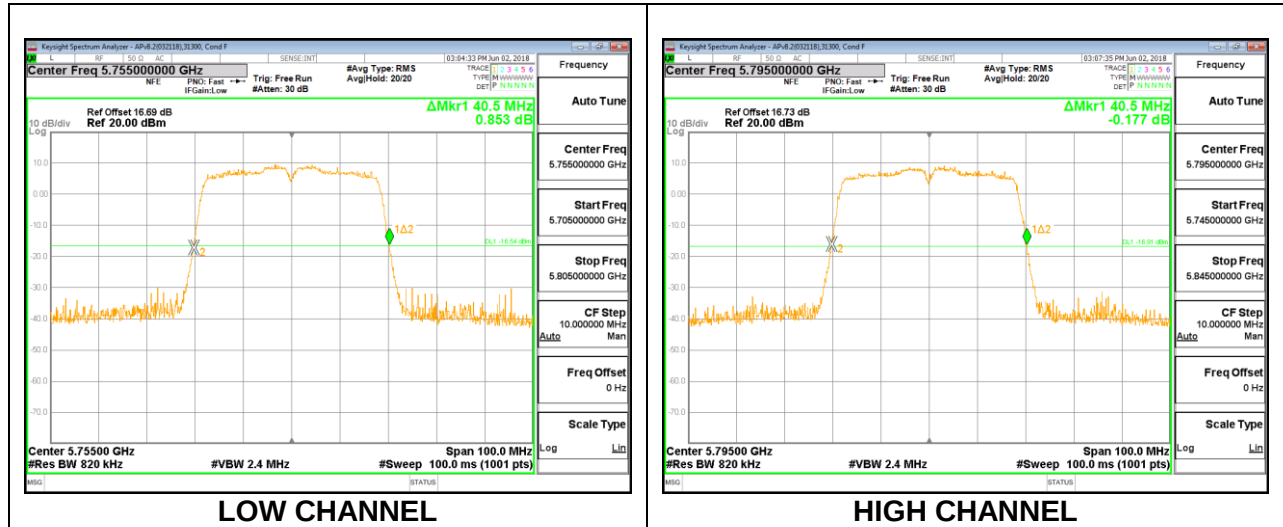
HIGH CHANNEL



8.2.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

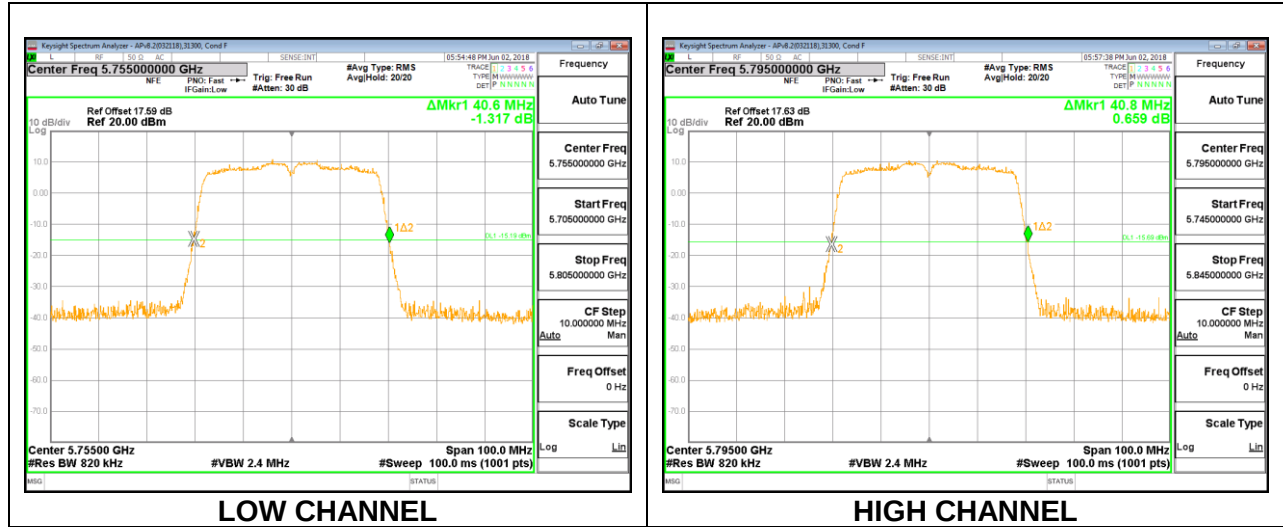
1TX Antenna 4 MODE

Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5755	40.50
High	5795	40.50



1TX Antenna 5 MODE

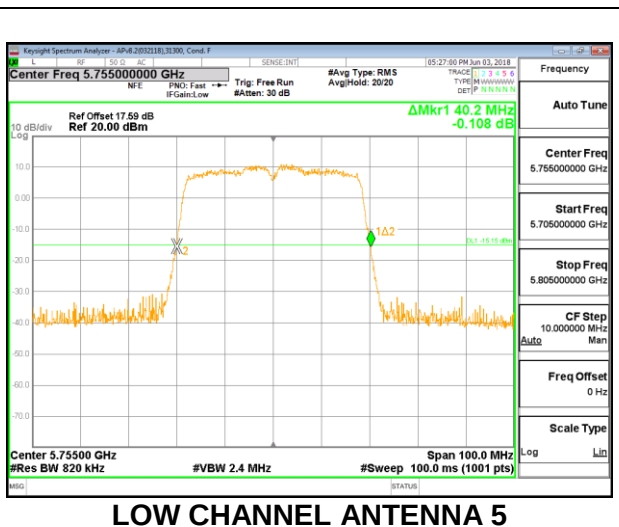
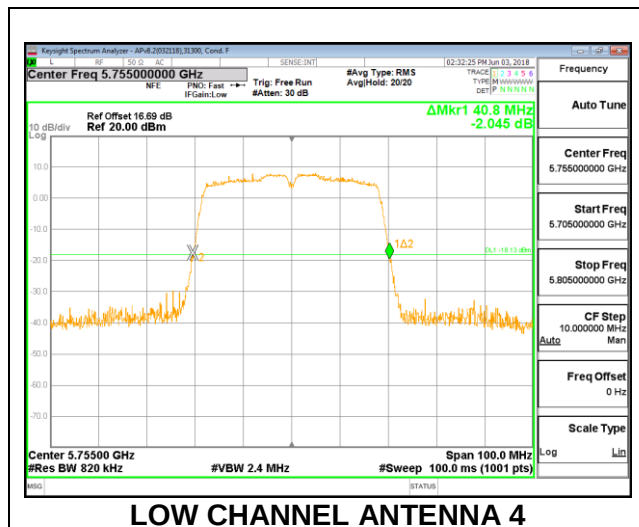
Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5755	40.60
High	5795	40.80



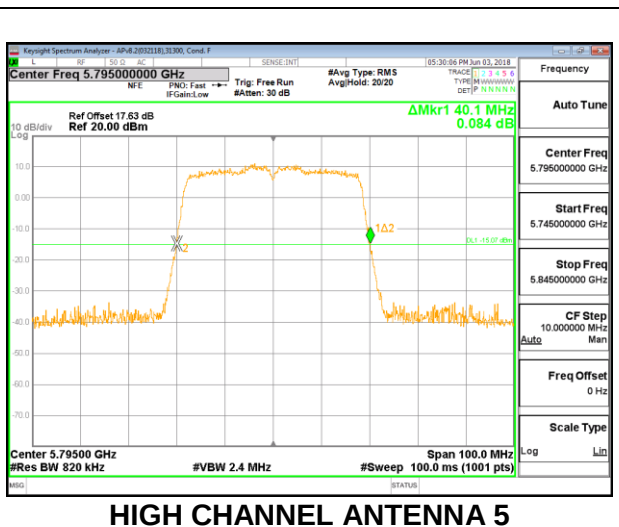
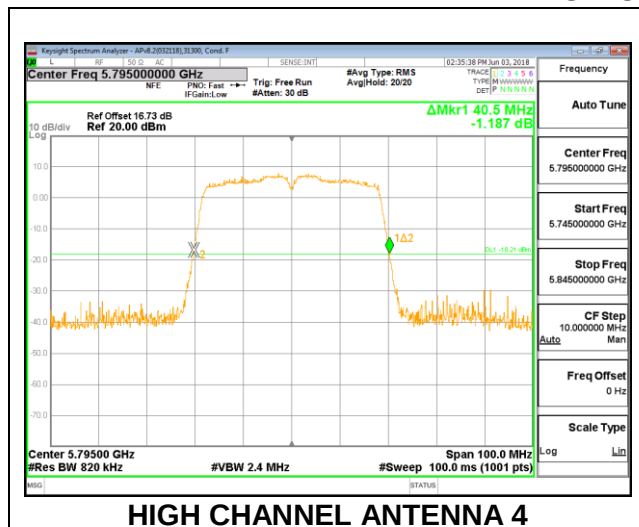
2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency	26 dB Bandwidth Antenna 4 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5755	40.80	40.20
High	5795	40.50	40.10

LOW CHANNEL



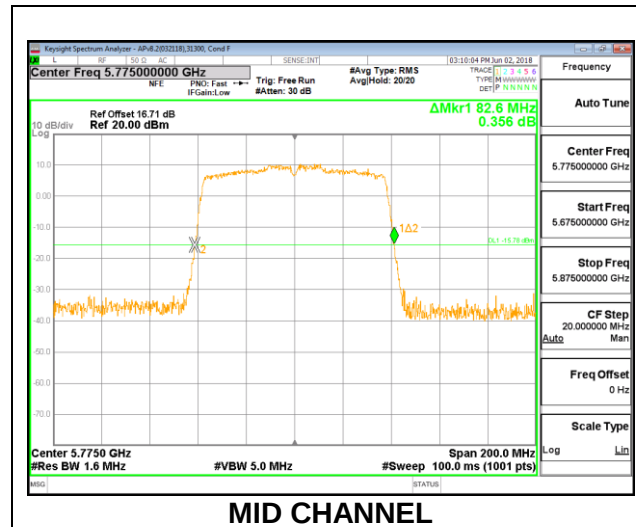
HIGH CHANNEL



8.2.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

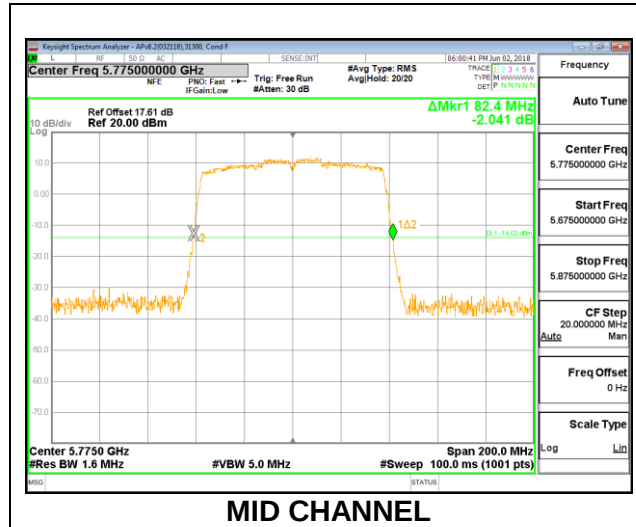
1TX Antenna 4 MODE

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5775	82.60



1TX Antenna 5 MODE

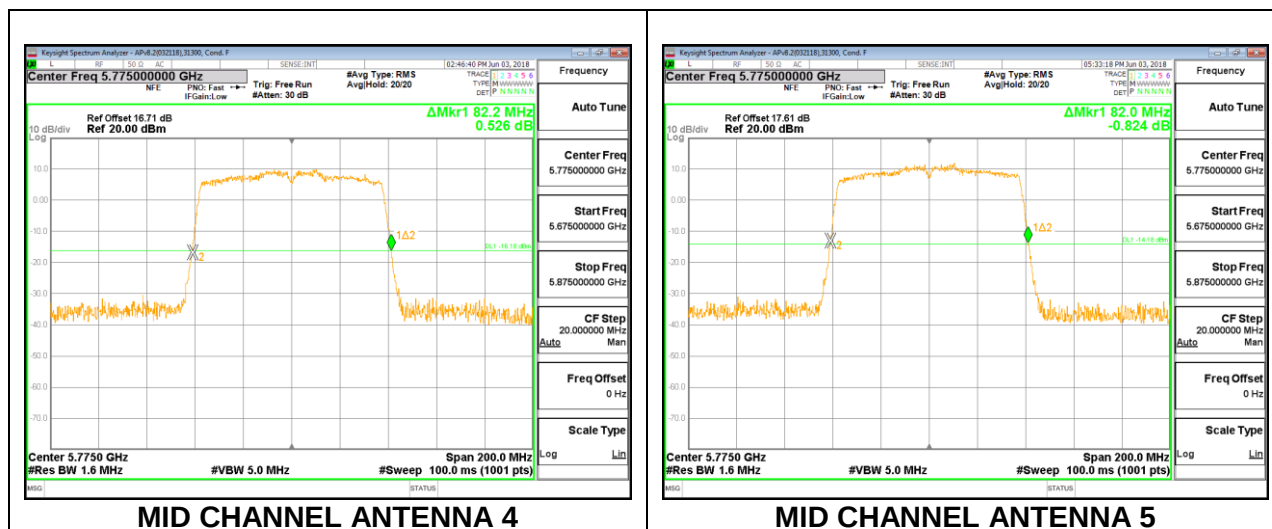
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5775	82.40



2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 4 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Mid	5775	82.20	82.00

MID CHANNEL



8.3. 99% BANDWIDTH

LIMITS

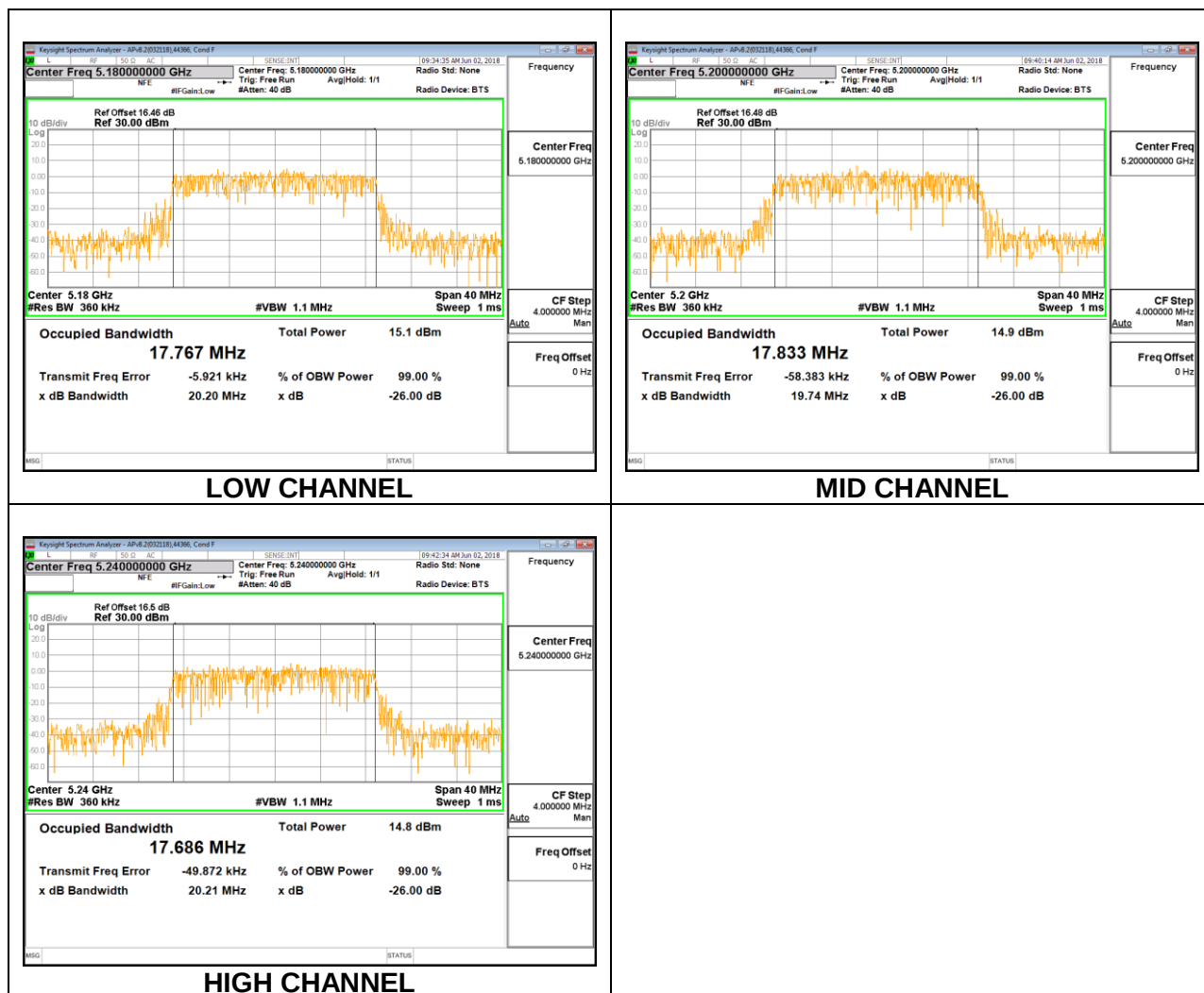
None; for reporting purposes only.

RESULTS

8.3.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

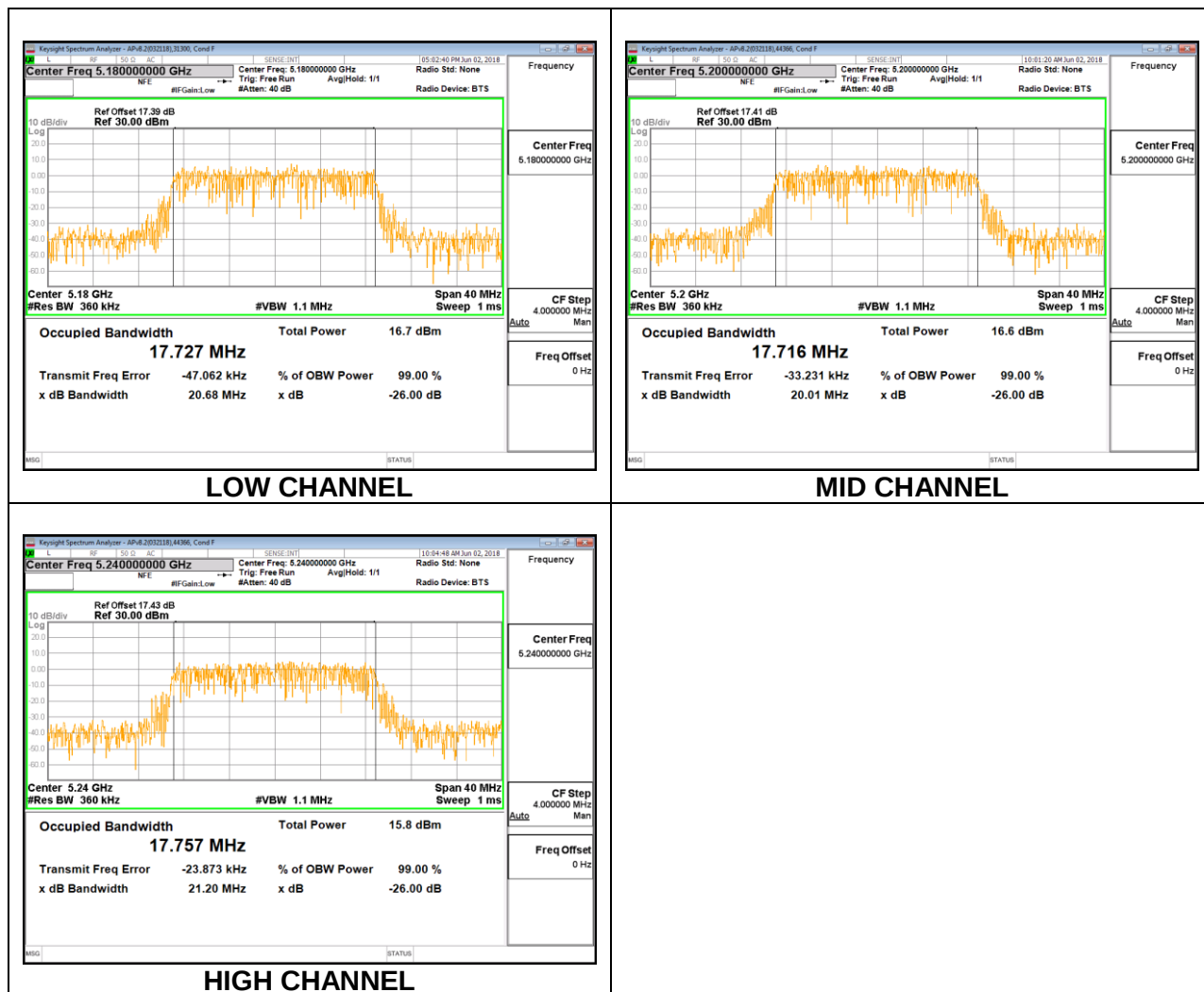
1TX Antenna 4 MODE

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.7670
Mid	5200	17.8330
High	5240	17.6860



1TX Antenna 5 MODE

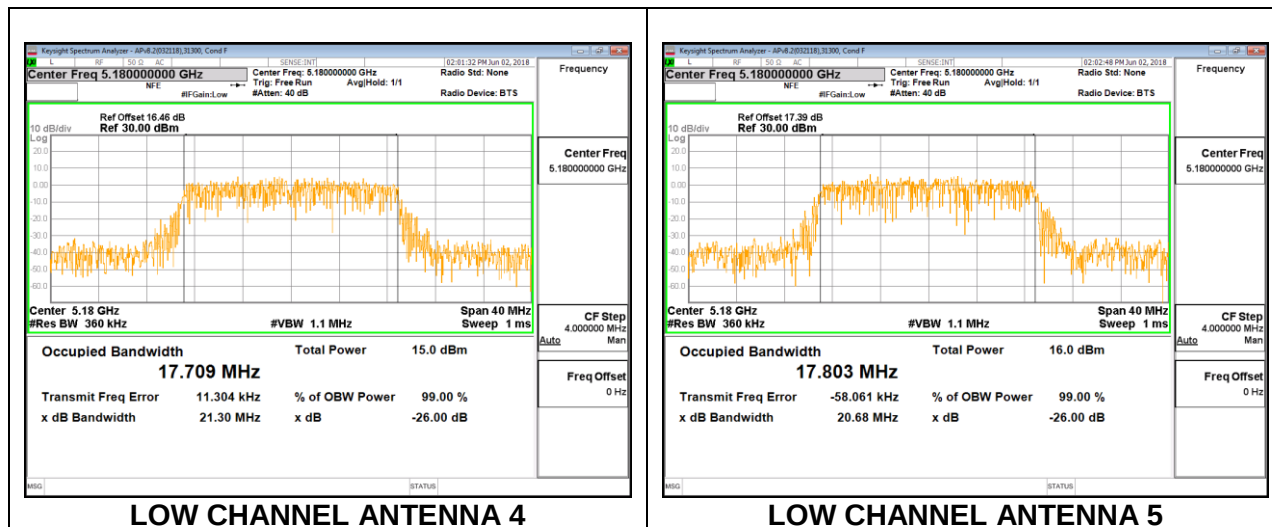
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.7270
Mid	5200	17.7160
High	5240	17.7570



2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 4 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5180	17.7090	17.8030
Mid	5200	17.6510	17.7230
High	5240	17.8500	17.6630

LOW CHANNEL



The image displays two side-by-side screenshots of the Keysight Spectrum Analyzer software interface, showing test results for two different antennas.

Left Screenshot (Mid Channel Antenna 4):

- Center Freq:** 5.200000000 GHz
- Ref Offset:** 16.48 dB
- Ref:** 30.00 dBm
- Occupied Bandwidth:** 17.651 MHz
- Total Power:** 15.7 dBm
- Transmit Freq Error:** -27.399 kHz
- % of OBW Power:** 99.00 %
- x dB Bandwidth:** 20.87 MHz
- x dB:** -26.00 dB

Right Screenshot (Mid Channel Antenna 5):

- Center Freq:** 5.200000000 GHz
- Ref Offset:** 17.41 dB
- Ref:** 30.00 dBm
- Occupied Bandwidth:** 17.723 MHz
- Total Power:** 17.1 dBm
- Transmit Freq Error:** -13.544 kHz
- % of OBW Power:** 99.00 %
- x dB Bandwidth:** 21.45 MHz
- x dB:** -26.00 dB

The image displays two side-by-side screenshots of a Keysight Spectrum Analyzer interface, showing the frequency response of two different antennas, labeled 'HIGH CHANNEL ANTENNA 4' and 'HIGH CHANNEL ANTENNA 5'.

Antenna 4 (Left):

- Center Freq:** 5.24000000 GHz
- Span:** 40 MHz
- Res BW:** 360 kHz
- Occupied Bandwidth:** 17.850 MHz
- Total Power:** 15.7 dBm
- Transmit Freq Error:** 26.321 kHz
- x dB Bandwidth:** 20.72 MHz
- % of OBW Power:** 99.00 %
- x dB:** -26.00 dB

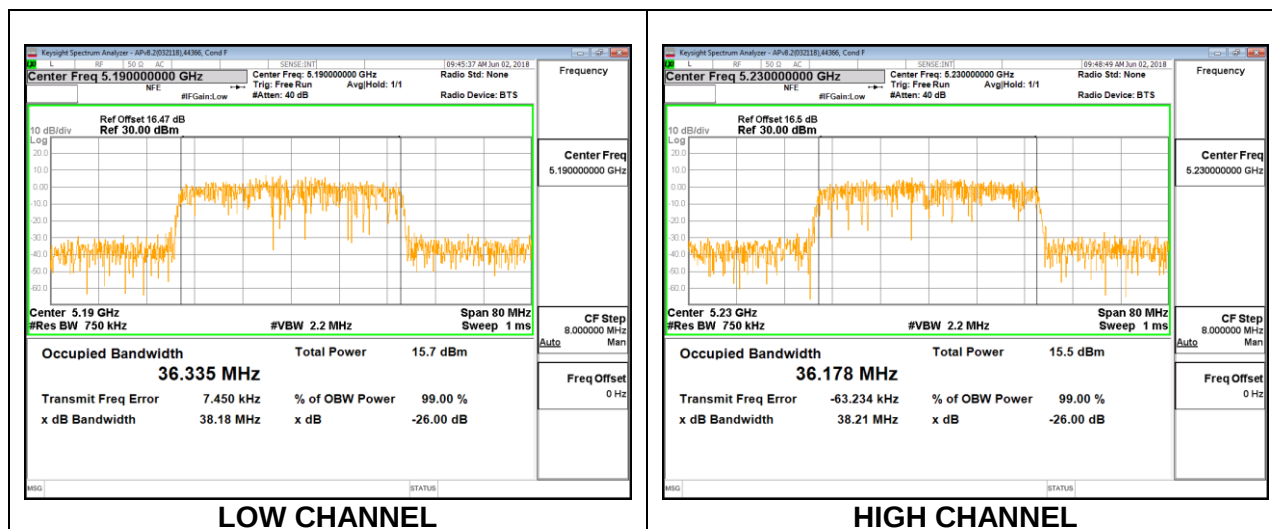
Antenna 5 (Right):

- Center Freq:** 5.24000000 GHz
- Span:** 40 MHz
- Res BW:** 360 kHz
- Occupied Bandwidth:** 17.663 MHz
- Total Power:** 17.0 dBm
- Transmit Freq Error:** -48.156 kHz
- x dB Bandwidth:** 20.06 MHz
- % of OBW Power:** 99.00 %
- x dB:** -26.00 dB

8.3.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

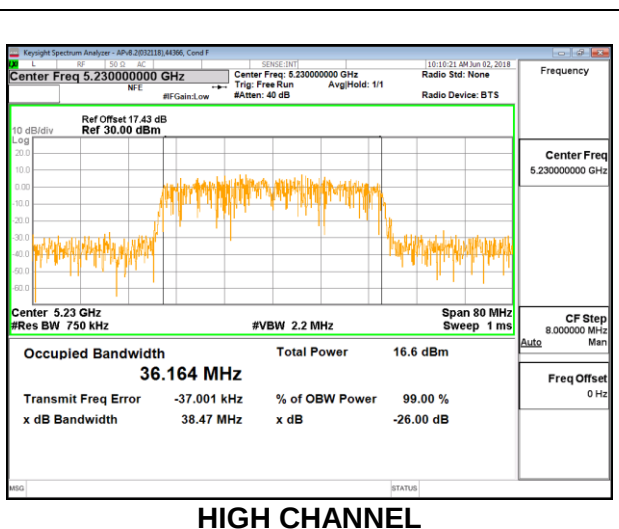
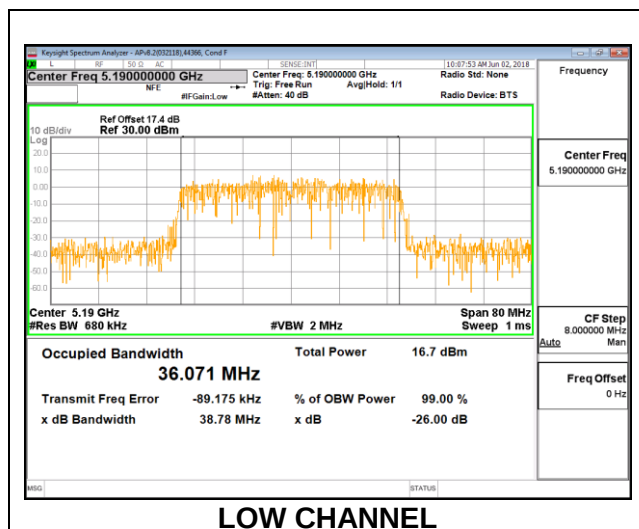
1TX Antenna 4 MODE

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5190	36.3550
High	5230	36.1780



1TX Antenna 5 MODE

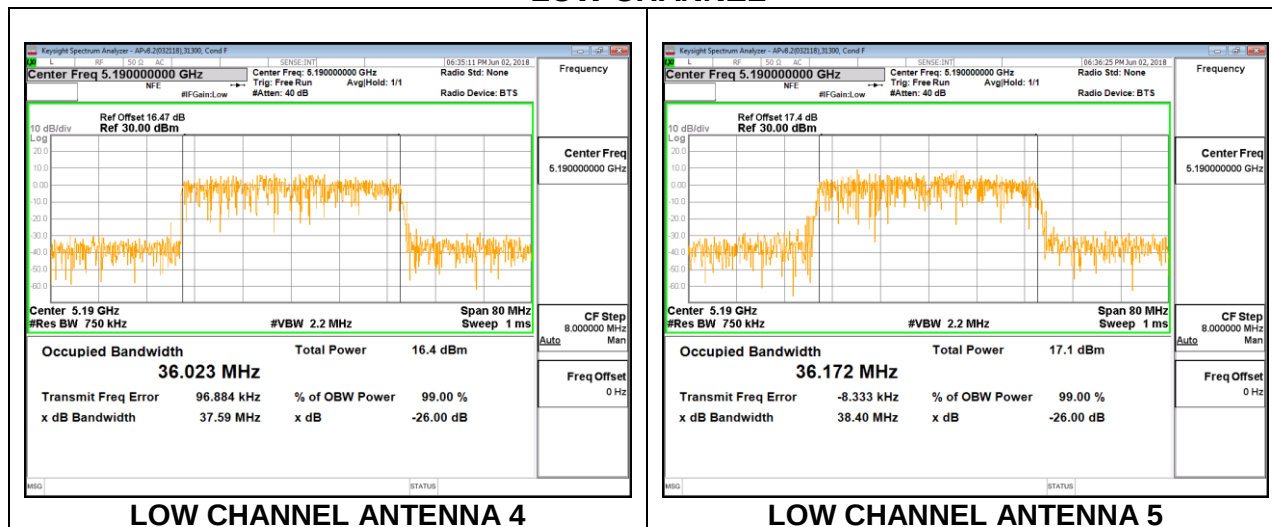
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5190	36.0710
High	5230	36.1640



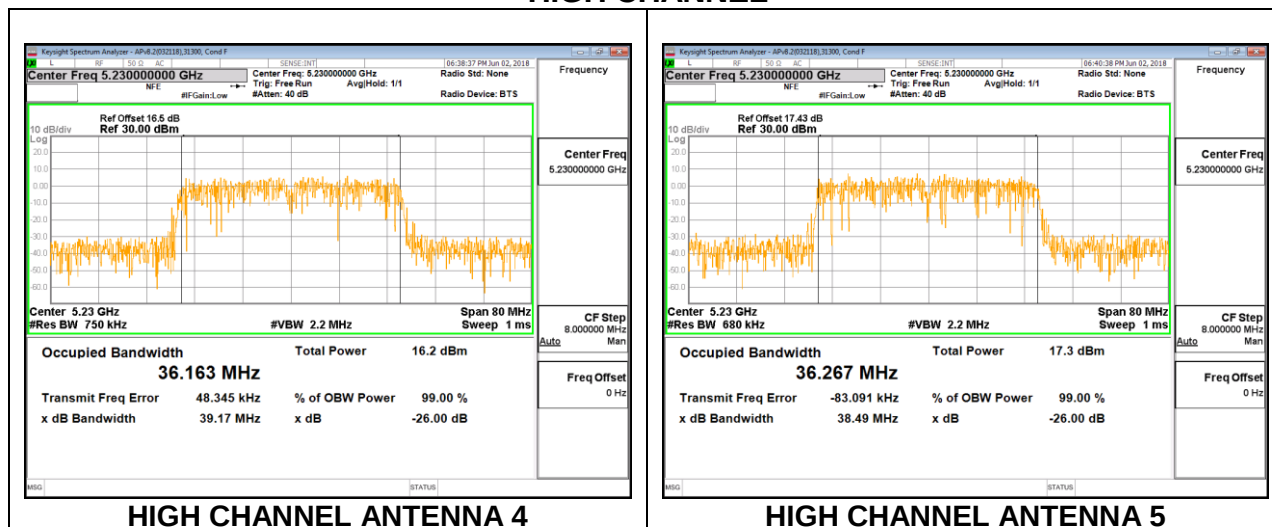
2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Antenna 4 (MHz)	99% Bandwidth Antenna 5 (MHz)
Low	5190	36.0230	36.1720
High	5230	36.1630	36.2670

LOW CHANNEL



HIGH CHANNEL



8.3.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 4 MODE

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5210	75.6620

