

The figure displays two side-by-side Agilent Spectrum Analyzer screenshots, labeled 'HIGH CHANNEL ANT A' and 'HIGH CHANNEL ANT B'. Both plots show the frequency response of a channel antenna. The x-axis represents frequency from 5.65 GHz to 5.75 GHz, and the y-axis represents power in dBm from -70 to 10. A sharp peak is visible at 5.7 GHz. The peak is marked with a green diamond and labeled with its frequency offset and power level. The noise floor is marked with a green 'X' and labeled with its power level. The plots include various parameters such as Center Freq, Span, Res BW, and Sweep.

Parameter	High Channel ANT A	High Channel ANT B
Center Freq	5.700000000 GHz	5.700000000 GHz
Span	50.000 MHz	50.000 MHz
Res BW	430 kHz	430 kHz
Sweep	100.0 ms (1001 pts)	100.0 ms (1001 pts)
Ref Offset	14.9 dB	14.9 dB
Peak Frequency Offset	22.00 MHz	21.65 MHz
Peak Power	0.696 dB	-0.700 dB
Noise Floor	-15.85 dBm	-15.85 dBm

The figure consists of two side-by-side screenshots of an Agilent Spectrum Analyzer interface, showing channel power measurements for two different antennas, Channel 144 Ant A and Channel 144 Ant B.

Channel 144 Ant A (Left Screenshot):

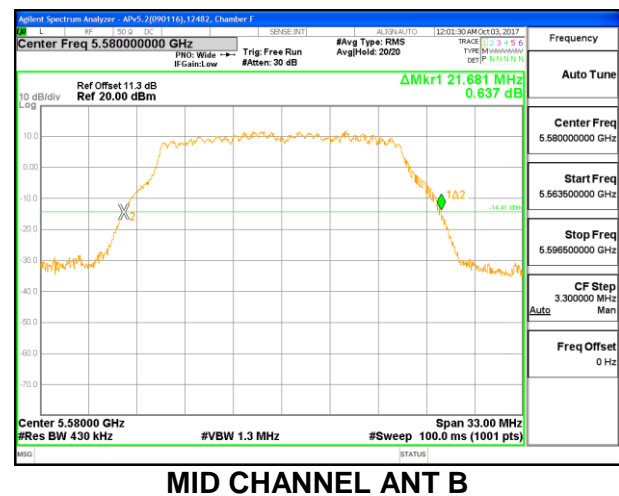
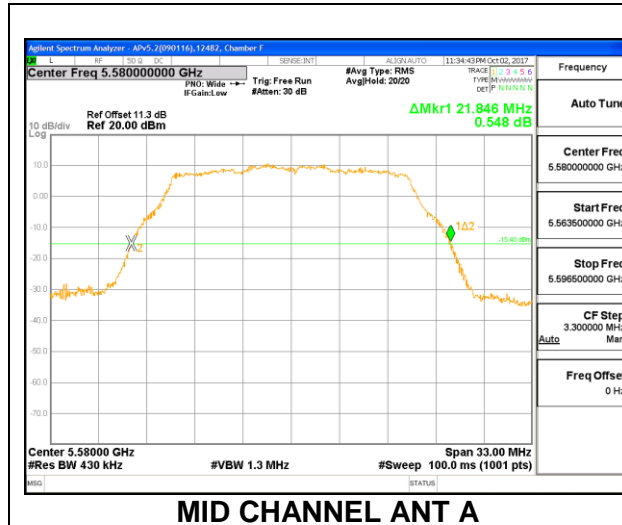
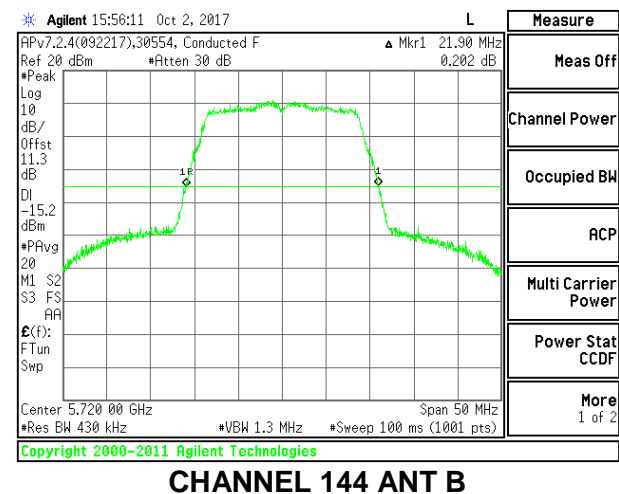
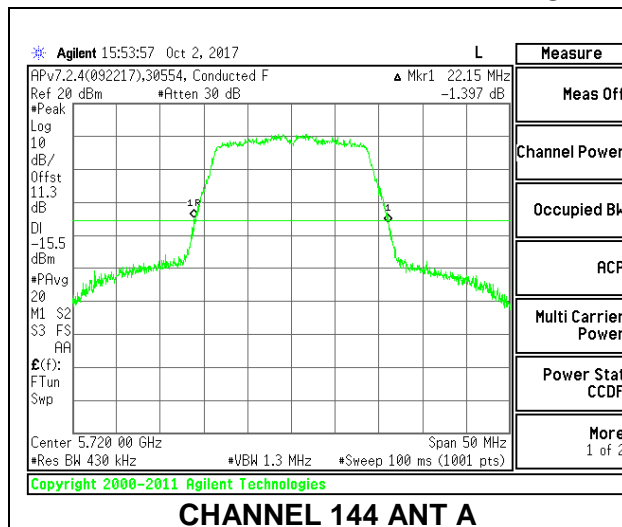
- Center Freq:** 5.720000000 GHz
- Ref Offset:** 14.8 dB
- Ref:** 20.00 dBm
- ΔMkr1:** 21.90 MHz
- Power:** 1.408 dB
- Stop Freq:** 5.745000000 GHz
- CF Step:** 5.000000 MHz
- Freq Offset:** 0 Hz
- Span:** 50.00 MHz
- Res BW:** 430 kHz
- VBW:** 1.3 MHz
- Sweep:** 100.0 ms (1001 pts)

Channel 144 Ant B (Right Screenshot):

- Center Freq:** 5.720000000 GHz
- Ref Offset:** 14.79 dB
- Ref:** 20.00 dBm
- ΔMkr1:** 21.50 MHz
- Power:** -0.164 dB
- Stop Freq:** 5.745000000 GHz
- CF Step:** 5.000000 MHz
- Freq Offset:** 0 Hz
- Span:** 50.00 MHz
- Res BW:** 430 kHz
- VBW:** 1.3 MHz
- Sweep:** 100.0 ms (1001 pts)

2TX Antenna A + Antenna B STBC MODE

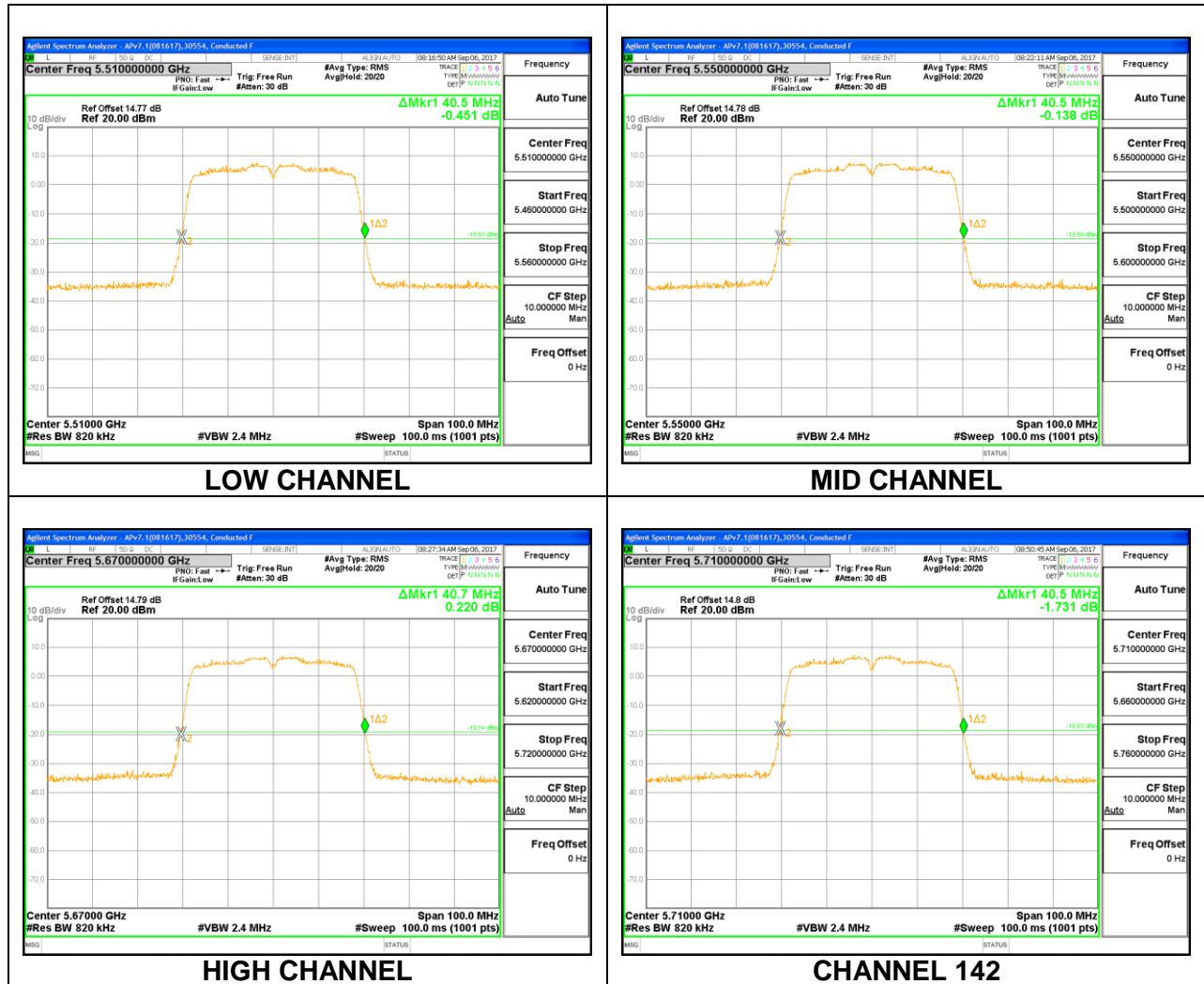
Channel	Frequency	26 dB Bandwidth Chain 0 (MHz)	26 dB Bandwidth Chain 1 (MHz)
Mid	5580	21.85	21.68
144	5720	22.15	21.90

MID CHANNEL**CHANNEL 144**

10.1.8. 802.11n HT40 MODE IN THE 5.6 GHz BAND

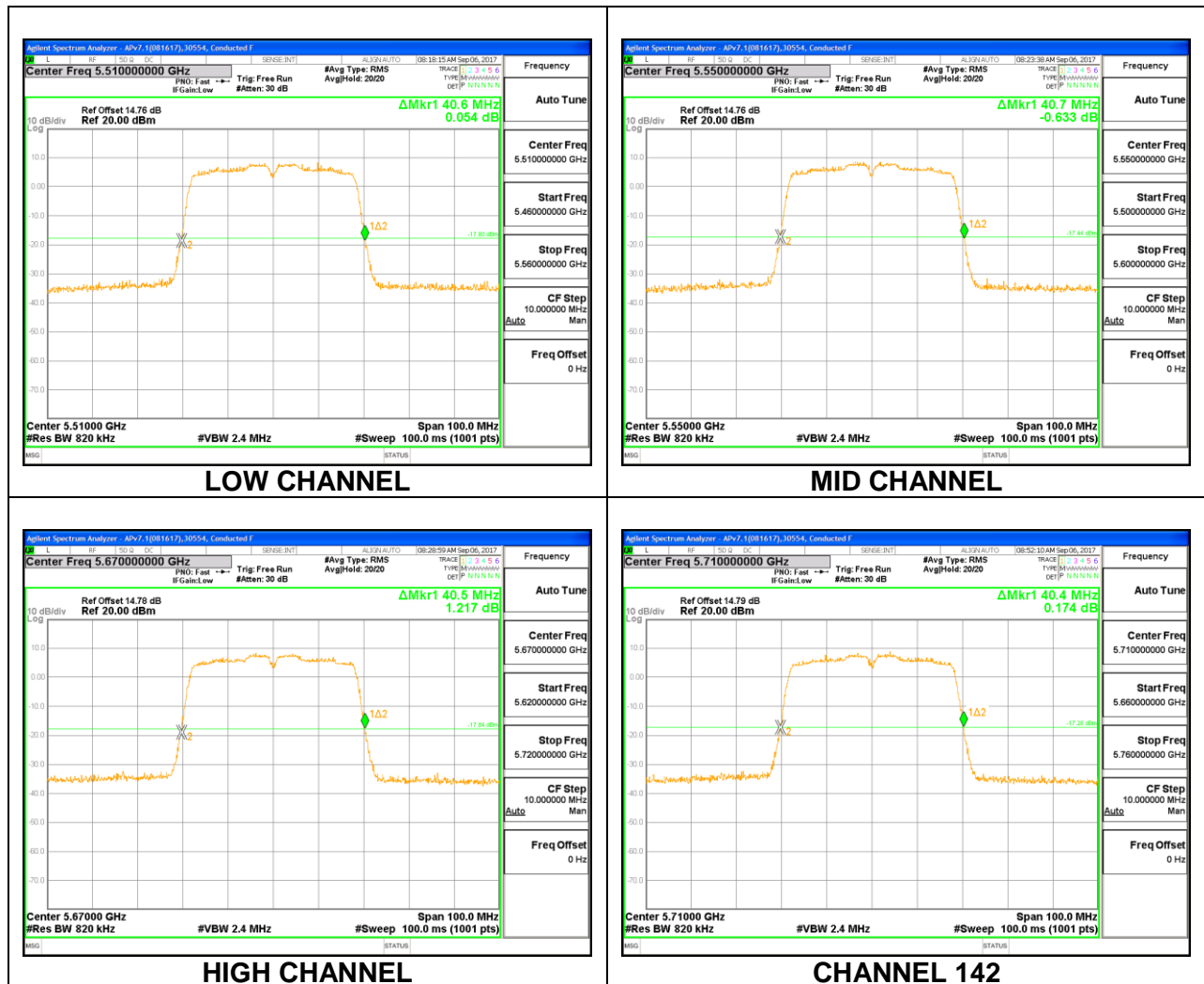
1TX Antenna A

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5510	40.50
Mid	5550	40.50
High	5670	40.70
142	5710	40.50



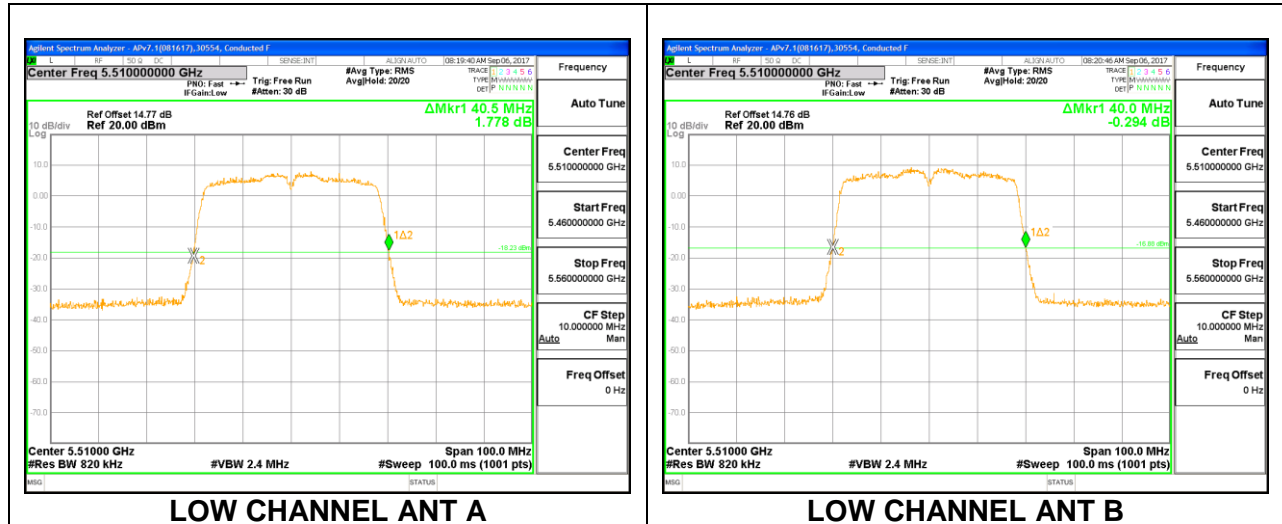
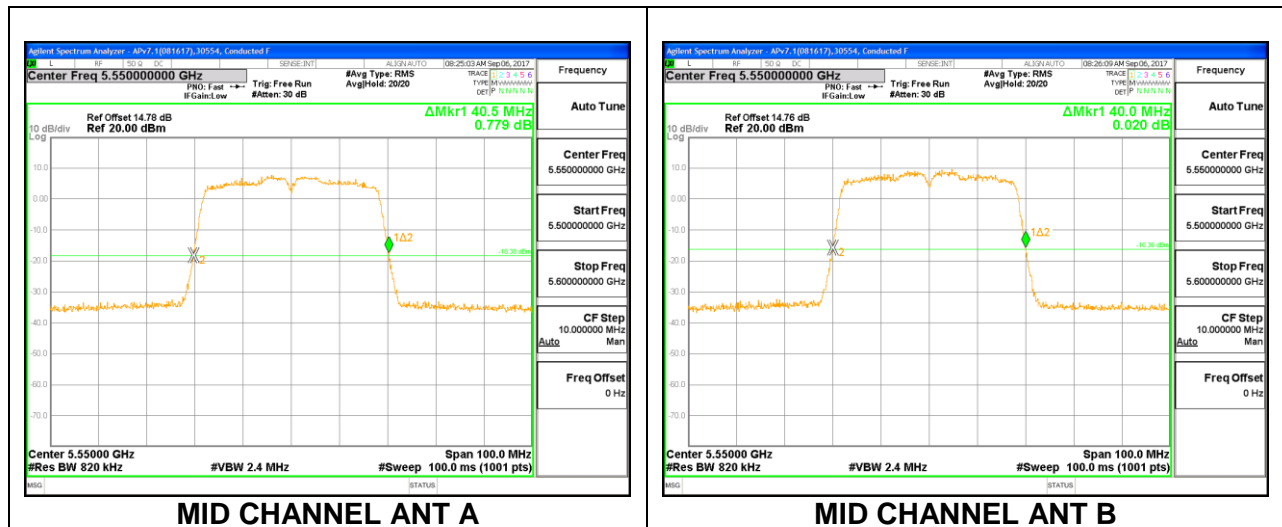
1TX Antenna B

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	40.60
Mid	5550	40.70
High	5670	40.50
142	5710	40.40

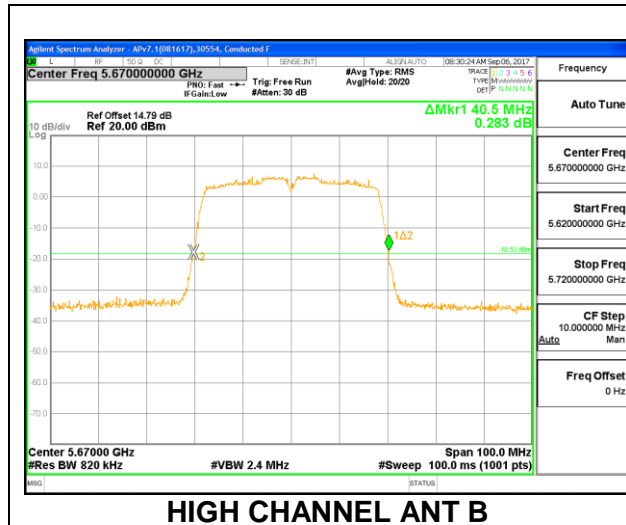


2TX Antenna A + Antenna B CDD MODE

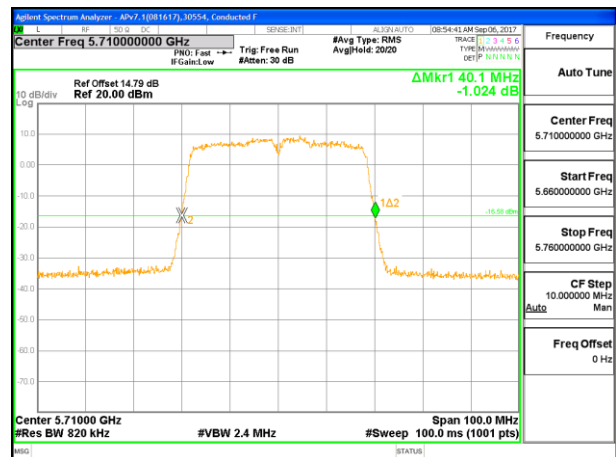
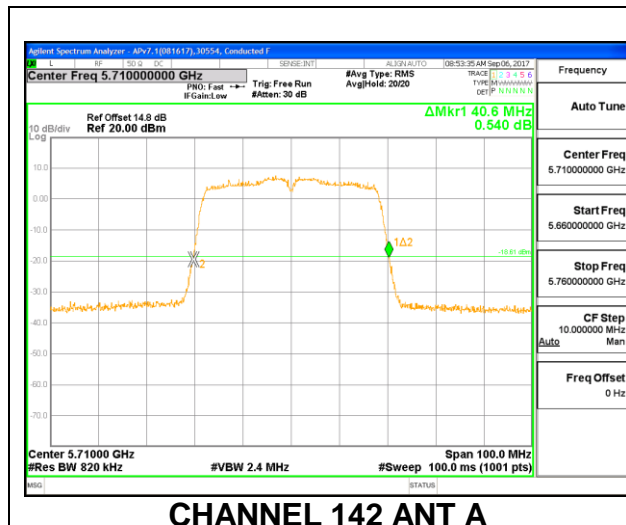
Channel	Frequency (MHz)	26 dB Bandwidth Ant A (MHz)	26 dB Bandwidth Ant B (MHz)
Low	5510	40.50	40.00
Mid	5550	40.50	40.00
High	5670	40.50	40.10
142	5710	40.60	40.10

LOW CHANNEL**MID CHANNEL**

HIGH CHANNEL



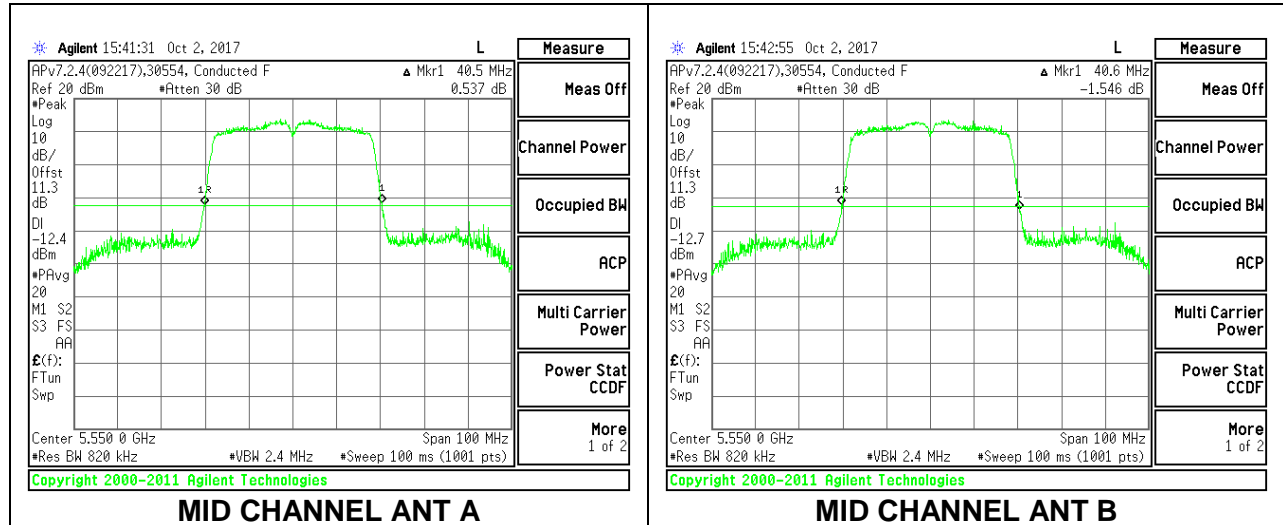
CHANNEL 142



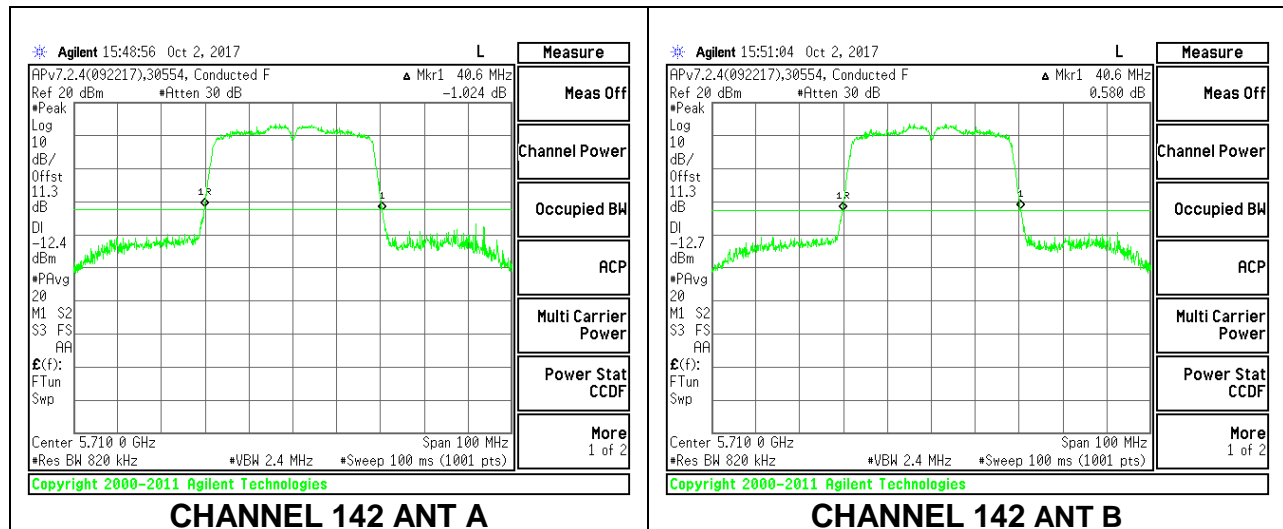
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
	(MHz)	Ant A (MHz)	Ant B (MHz)
Mid	5550	40.50	40.60
142	5710	40.60	40.60

MID CHANNEL

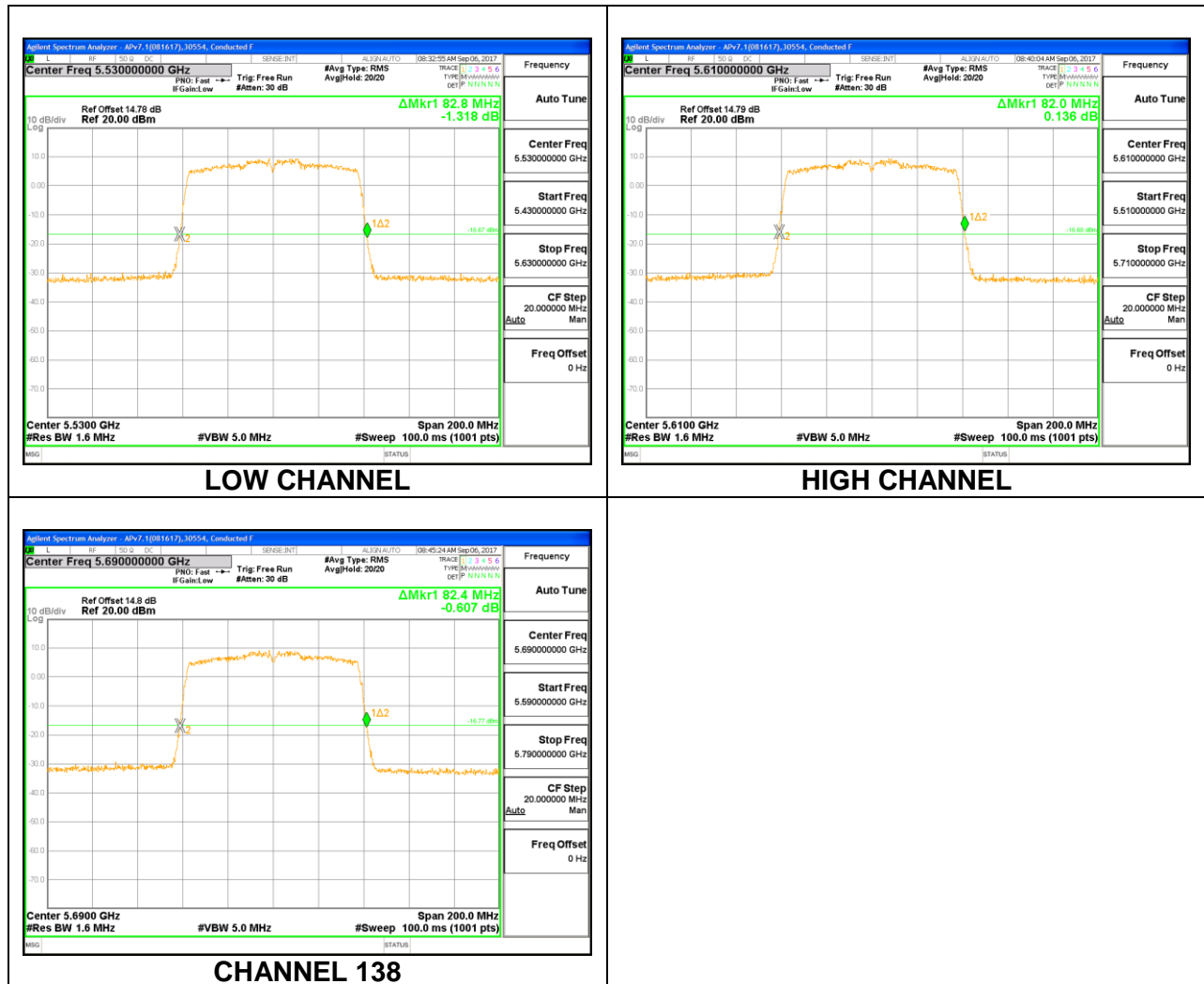


CHANNEL 142



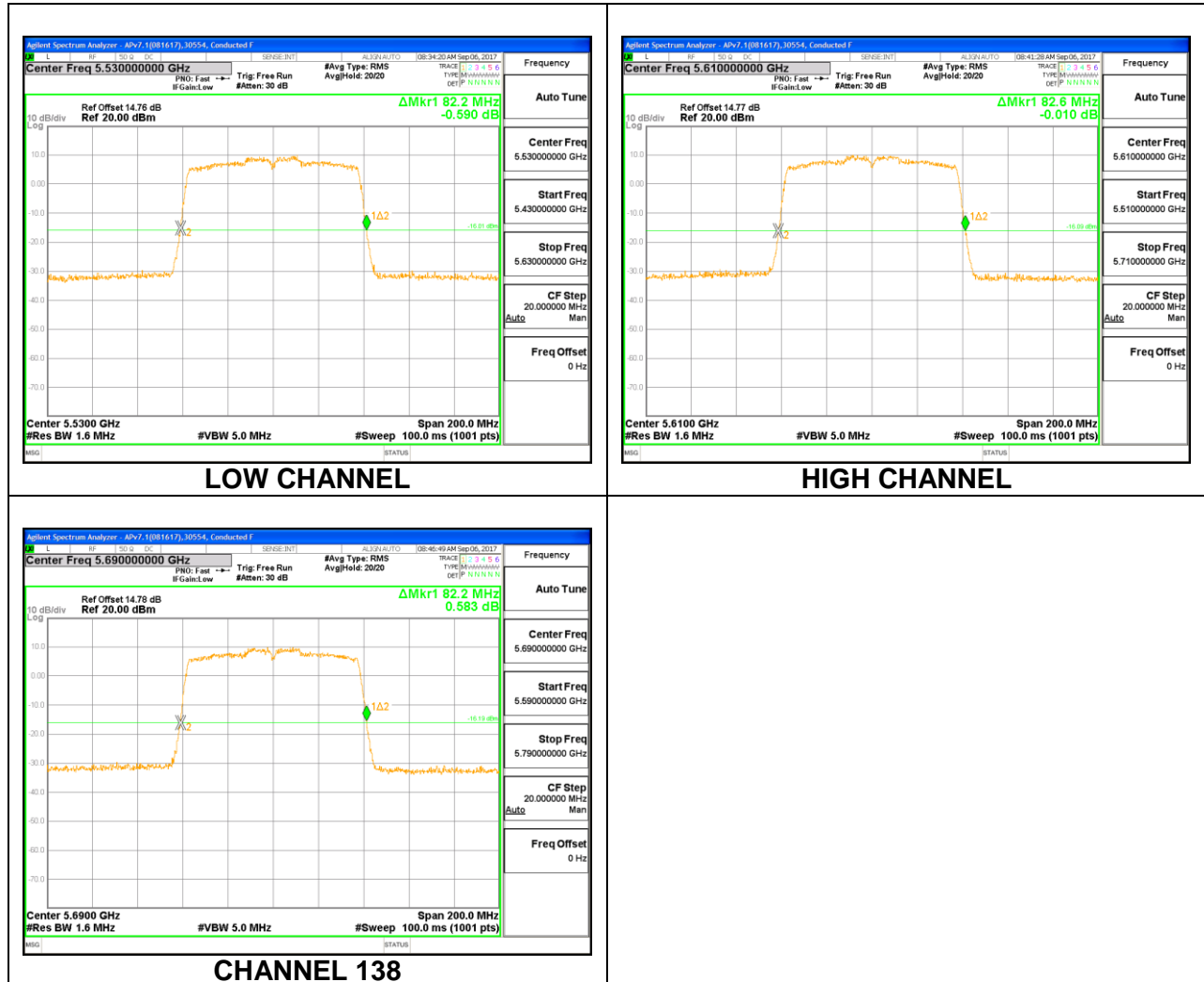
10.1.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND
1TX Antenna A

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5530	82.80
High	5610	82.00
138	5690	82.40



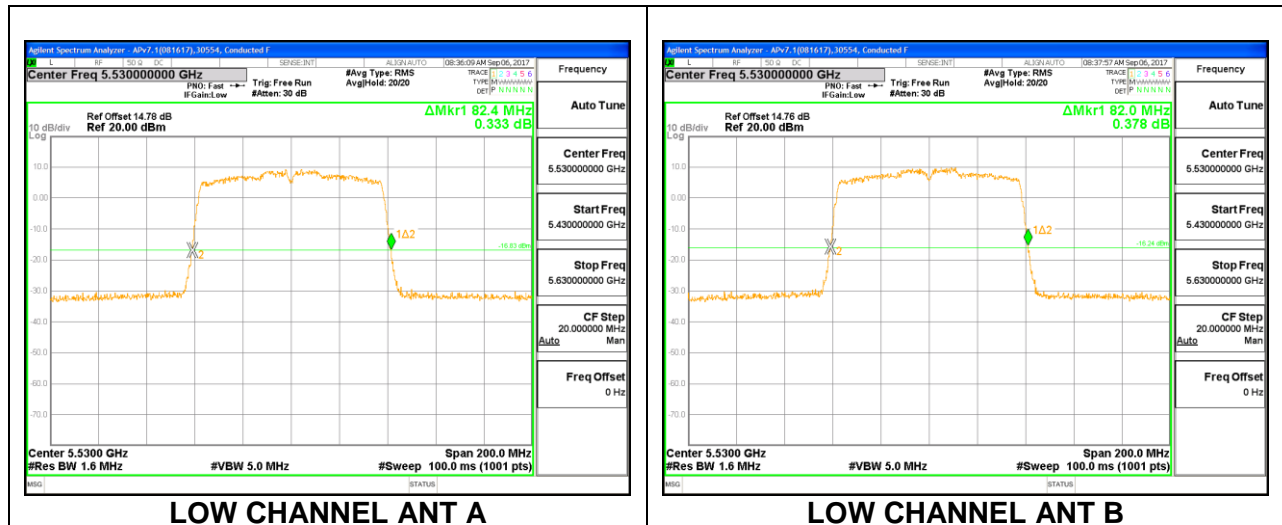
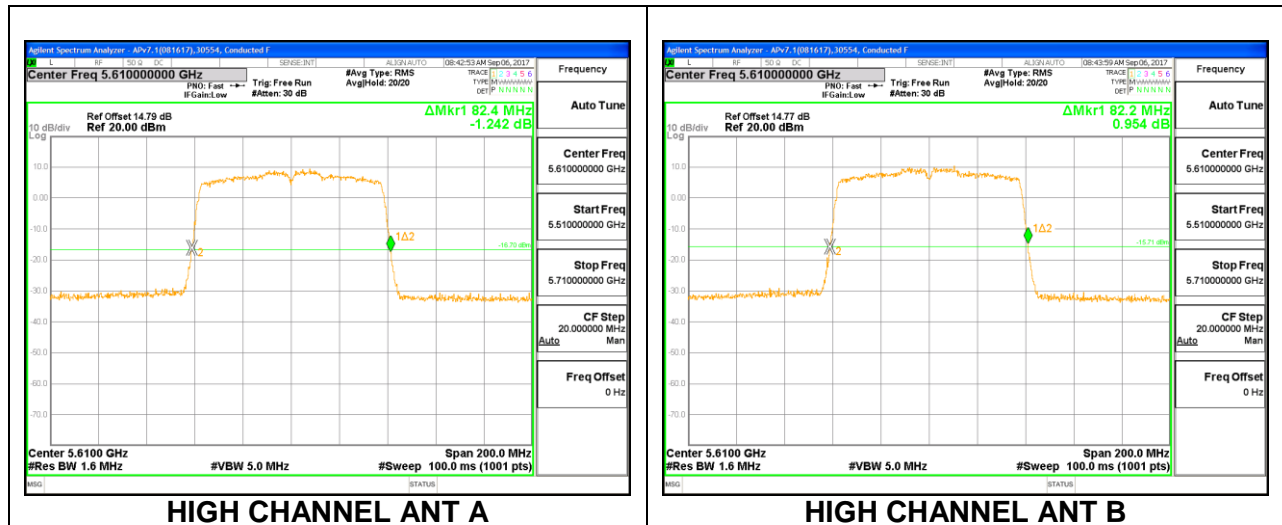
1TX Antenna B

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5530	82.20
High	5610	82.60
138	5690	82.20

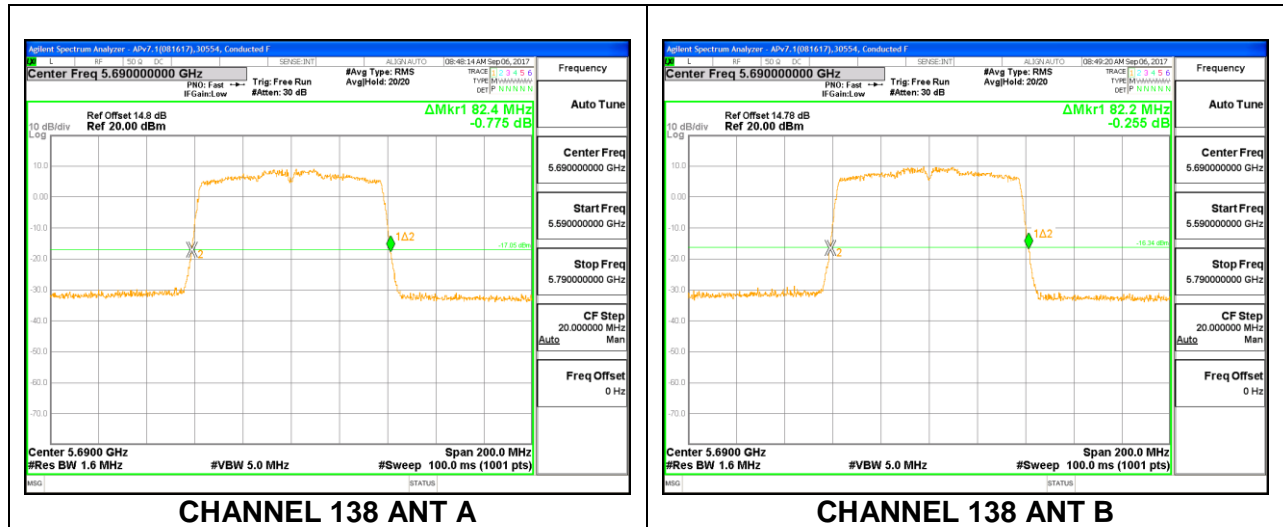


2TX Antenna A + Antenna B CDD MODE

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
	(MHz)	Ant A (MHz)	Ant B (MHz)
Low	5530	82.40	82.00
High	5610	82.40	82.20
138	5690	82.40	82.20

LOW CHANNEL**HIGH CHANNEL**

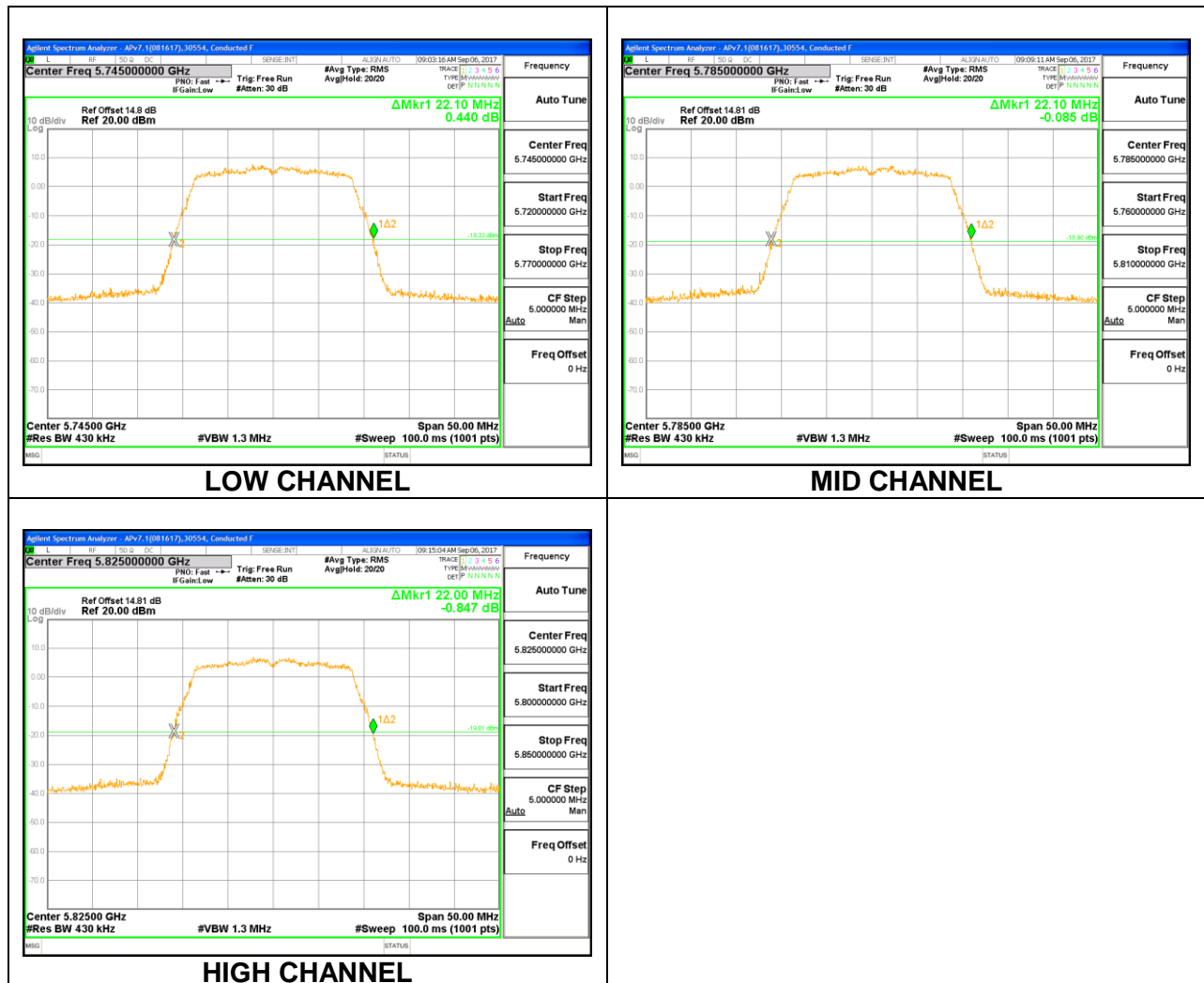
CHANNEL 138



10.1.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna A

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5745	22.10
Mid	5785	22.10
High	5825	22.00



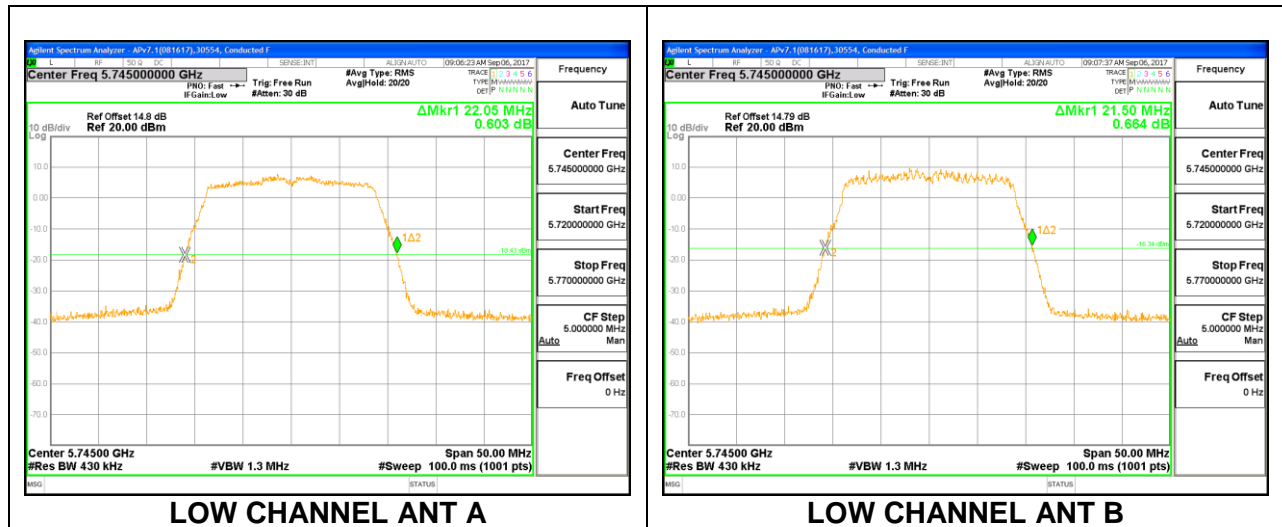
1TX Antenna B

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

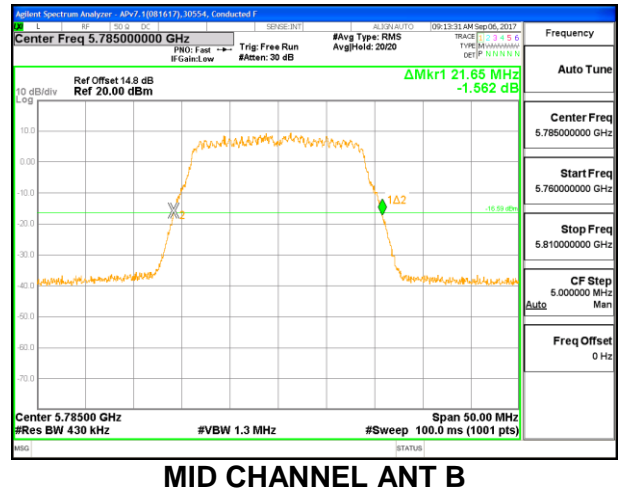
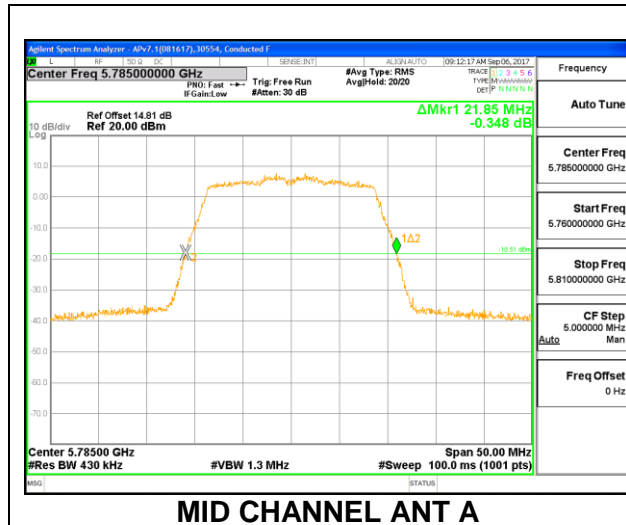


2TX Antenna A + Antenna B CDD MODE

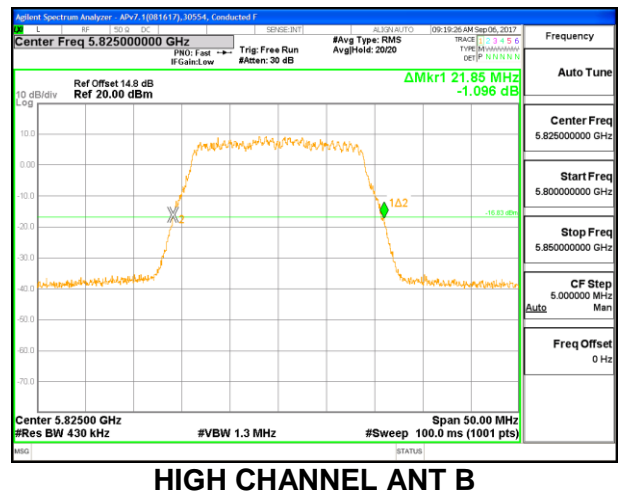
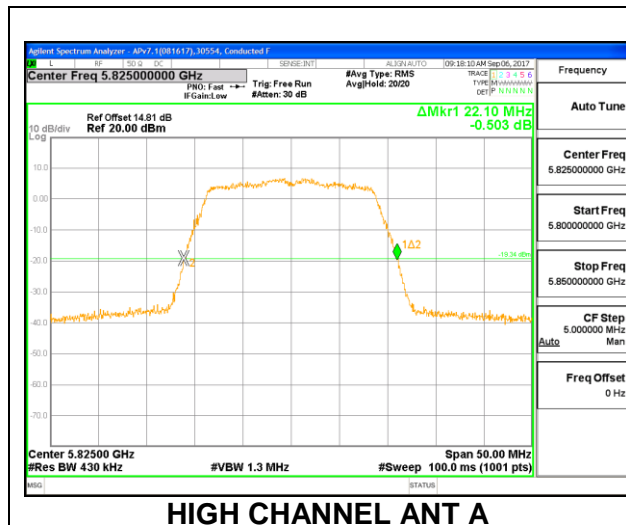
Channel	Frequency (MHz)	26 dB Bandwidth Ant A (MHz)	26 dB Bandwidth Ant B (MHz)
Low	5745	22.05	21.50
Mid	5785	21.85	21.65
High	5825	22.10	21.85

LOW CHANNEL

MID CHANNEL



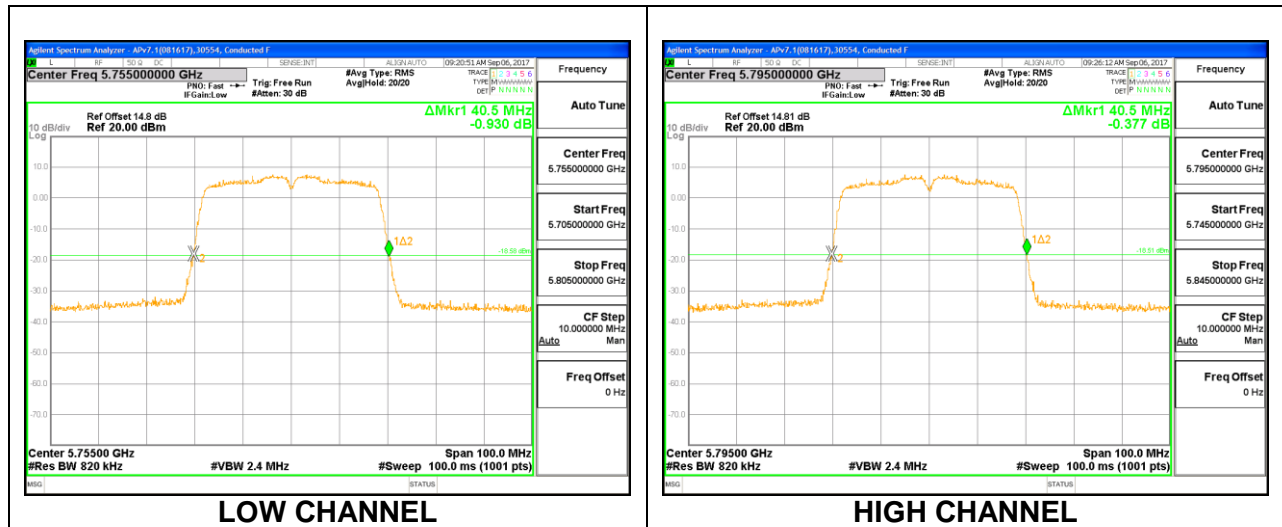
HIGH CHANNEL



10.1.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

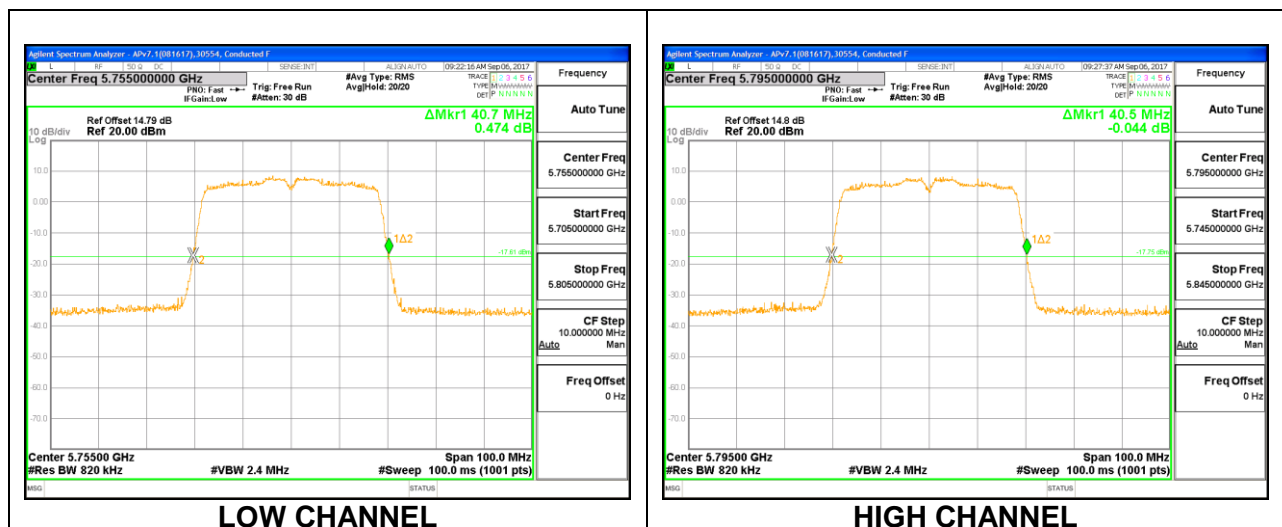
1TX Antenna A

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

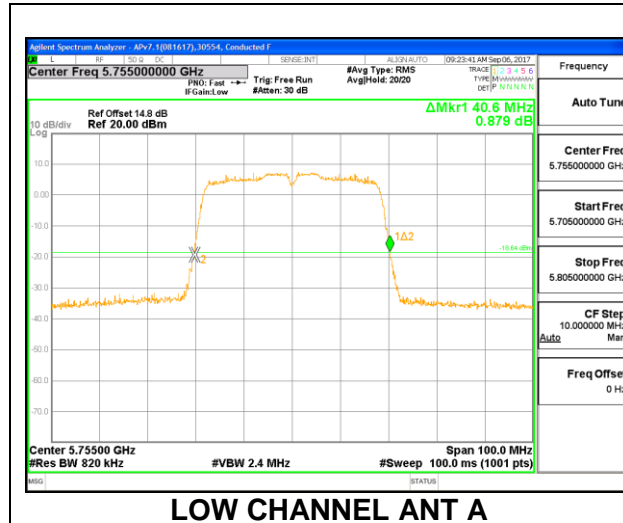


1TX Antenna B

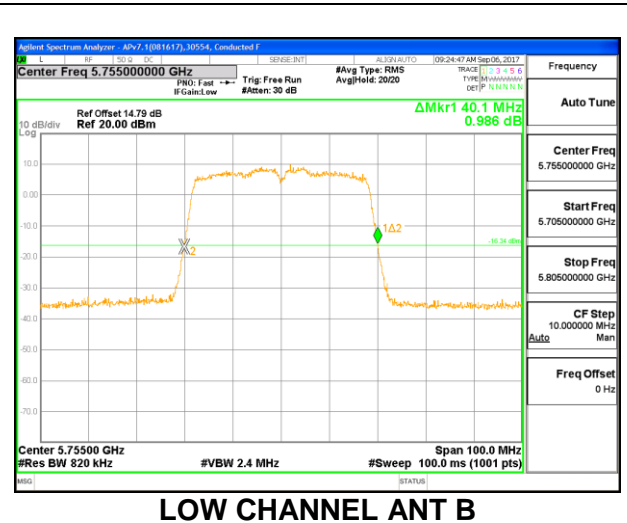
Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5755	40.70
High	5795	40.50



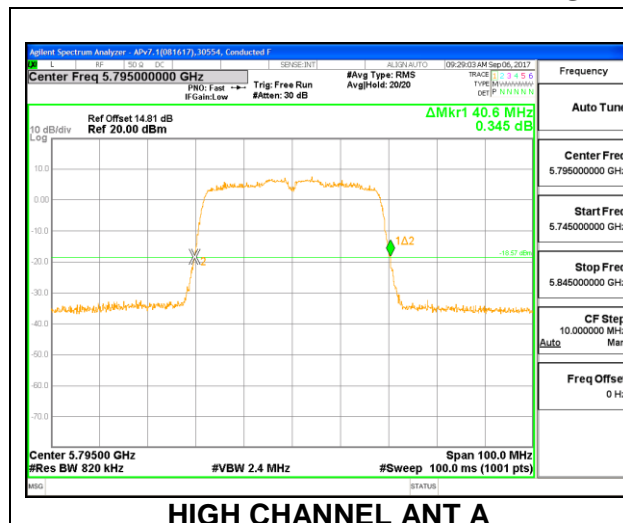
Channel	Frequency (MHz)	26 dB Bandwidth Ant A (MHz)	26 dB Bandwidth Ant B (MHz)
Low	5755	40.60	40.10
High	5795	40.60	40.10



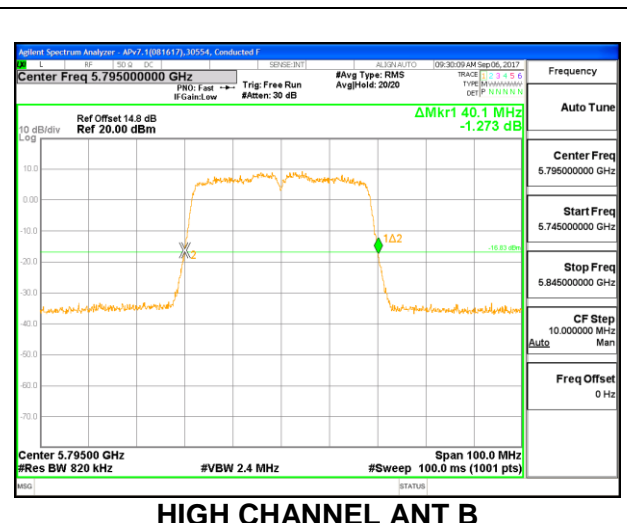
LOW CHANNEL ANT A



LOW CHANNEL ANT B



HIGH CHANNEL ANT A

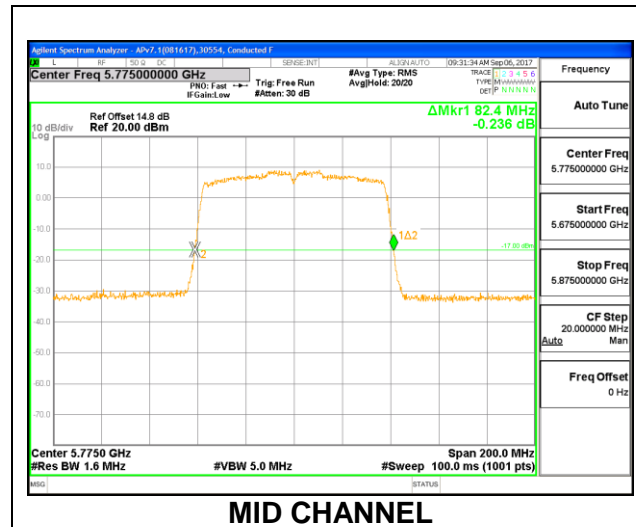


HIGH CHANNEL ANT B

10.1.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

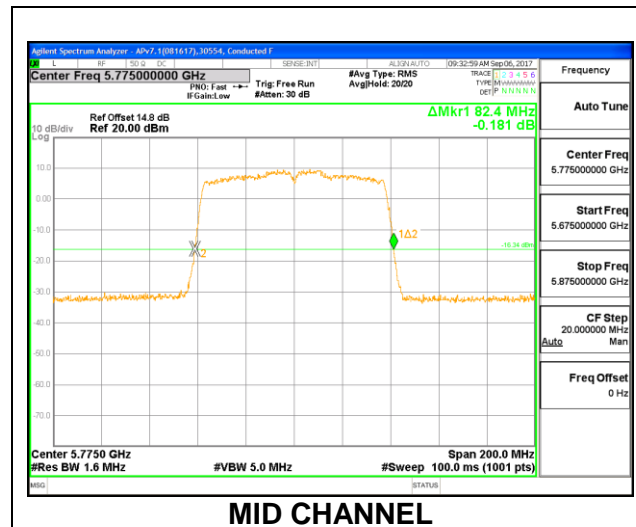
1TX Antenna A

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



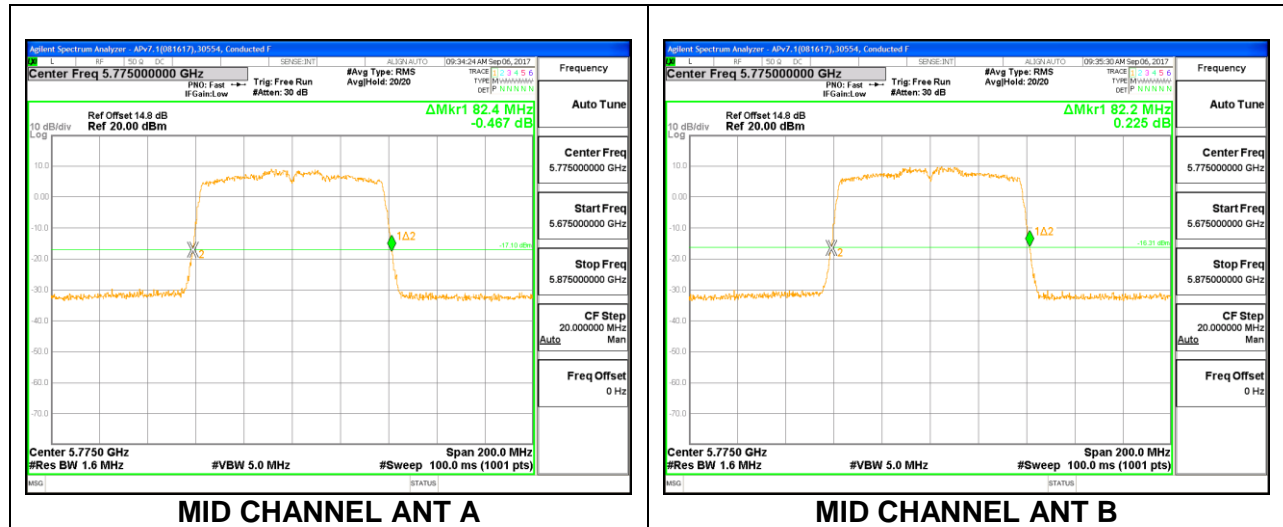
1TX Antenna B

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



2TX Antenna A + Antenna B CDD MODE

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
	(MHz)	Ant A (MHz)	Ant B (MHz)
Mid	5775	82.40	82.20

MID CHANNEL

10.2. 99% BANDWIDTH

LIMITS

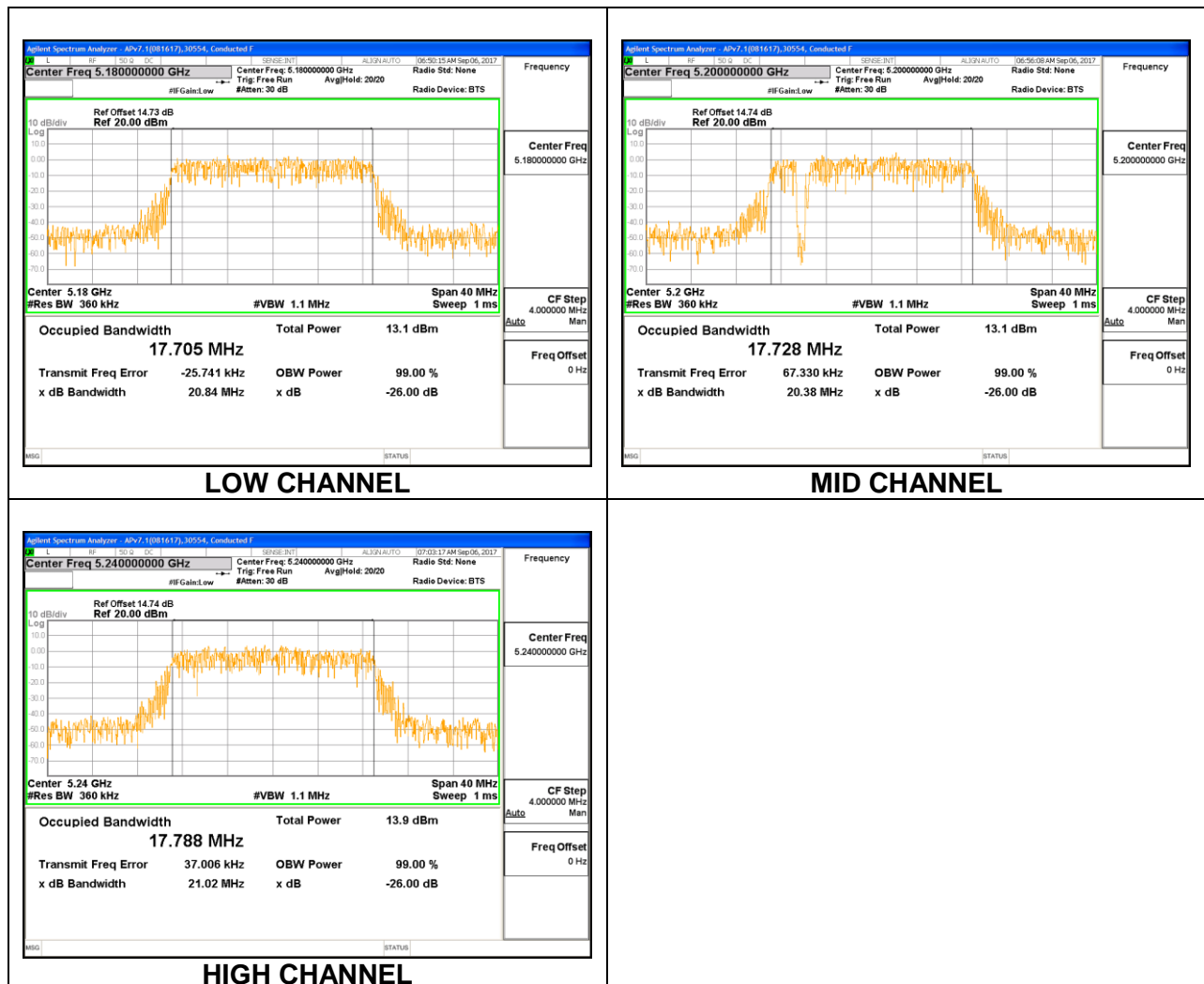
None; for reporting purposes only.

RESULTS

10.2.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

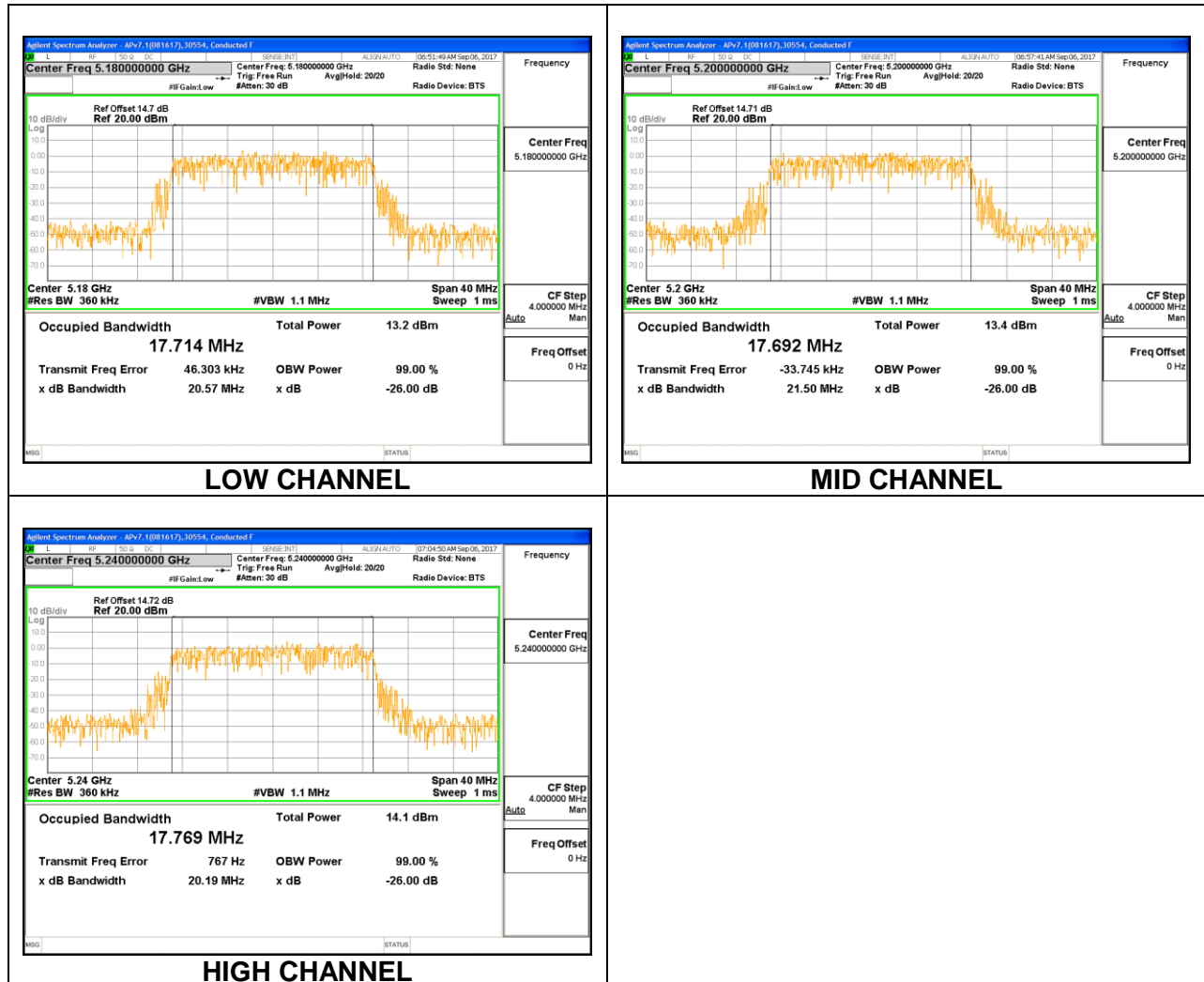
1TX Antenna A

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.705
Mid	5200	17.728
High	5240	17.788



1TX Antenna B

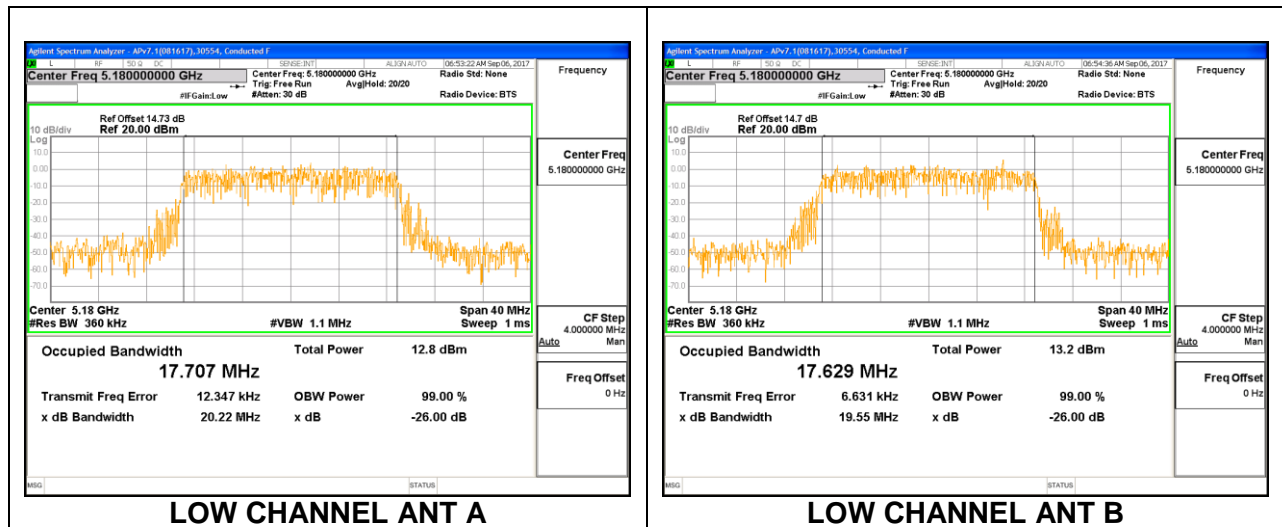
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5180	17.714
Mid	5200	17.692
High	5240	17.769



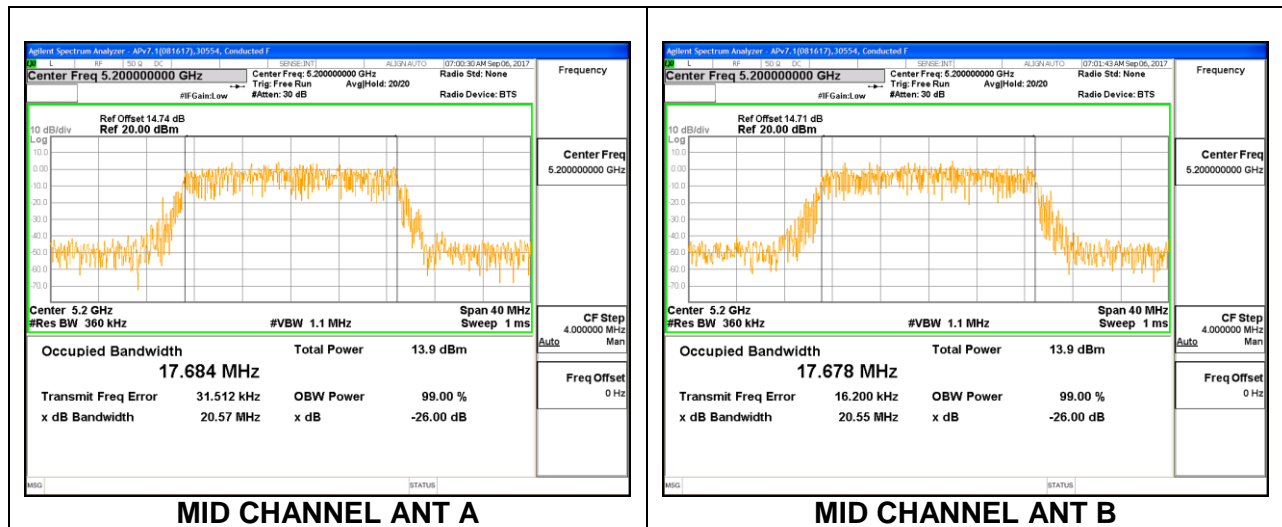
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Low	5180	17.7070	17.6290
Mid	5200	17.6840	17.6780
High	5240	17.7990	17.6210

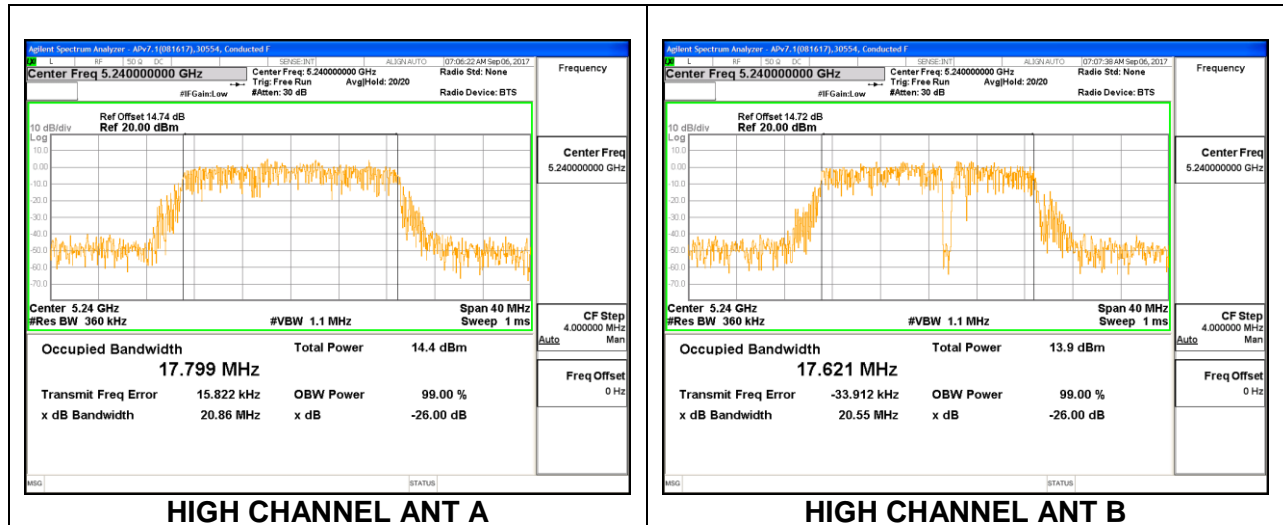
LOW CHANNEL



MID CHANNEL



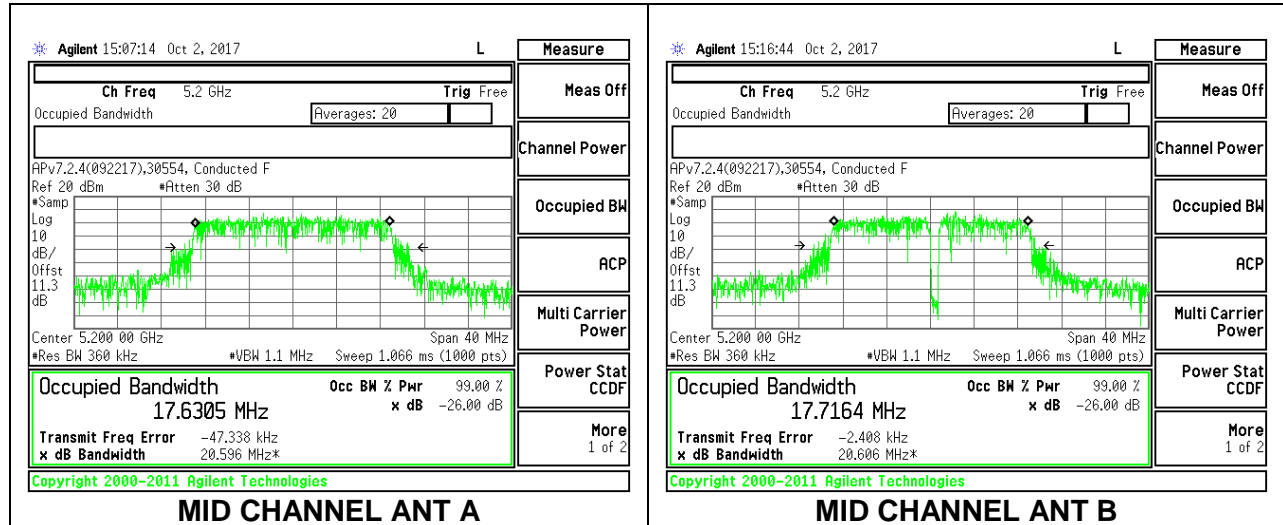
HIGH CHANNEL



2TX Antenna A + Antenna B STBC MODE

Channel	Frequency	99% Bandwidth Chain 0 (MHz)	99% Bandwidth Chain 1 (MHz)
Mid	5200	17.6305	17.7164
High	5240	17.6900	17.7240

MID CHANNEL



HIGH CHANNEL

