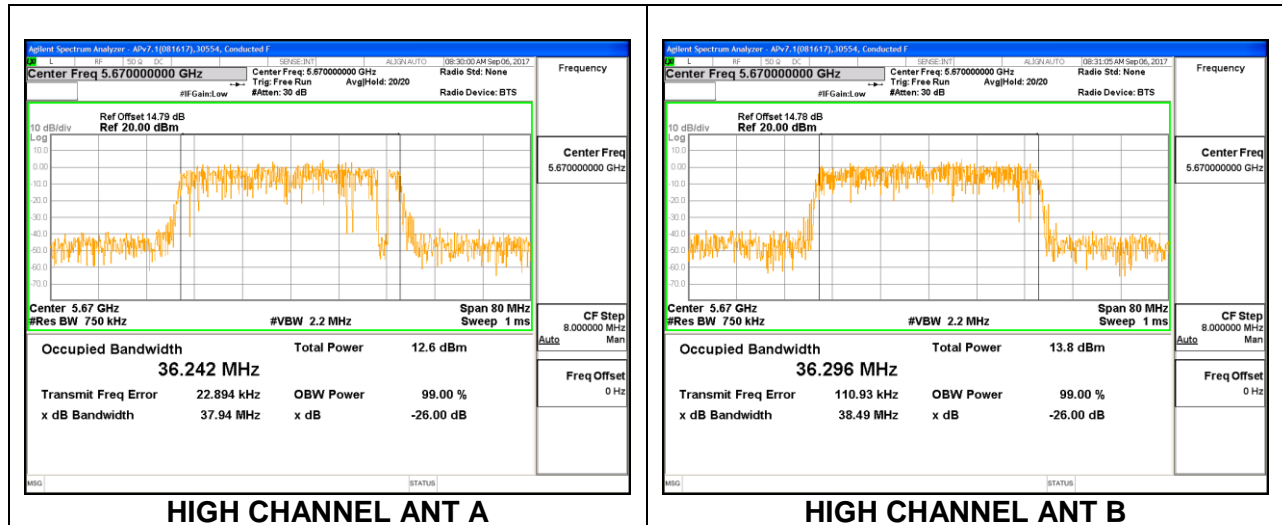
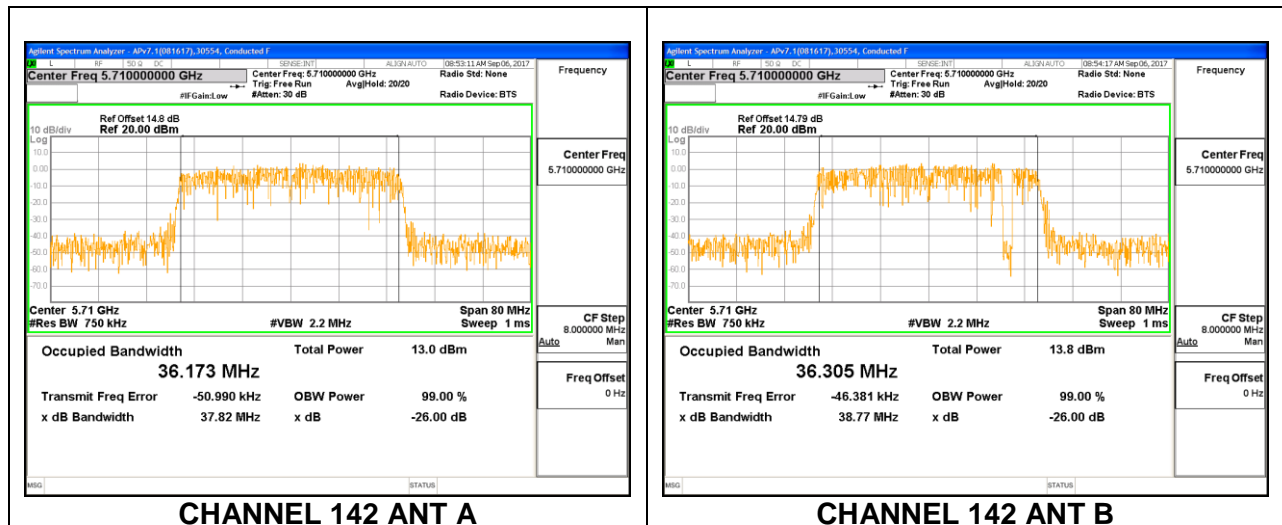


HIGH CHANNEL



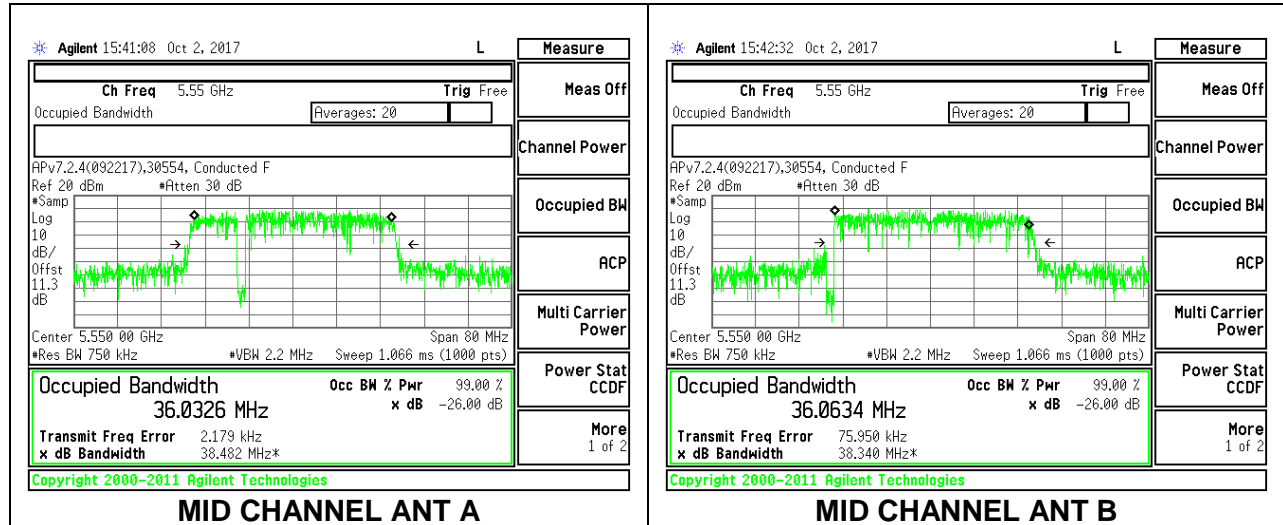
CHANNEL 142



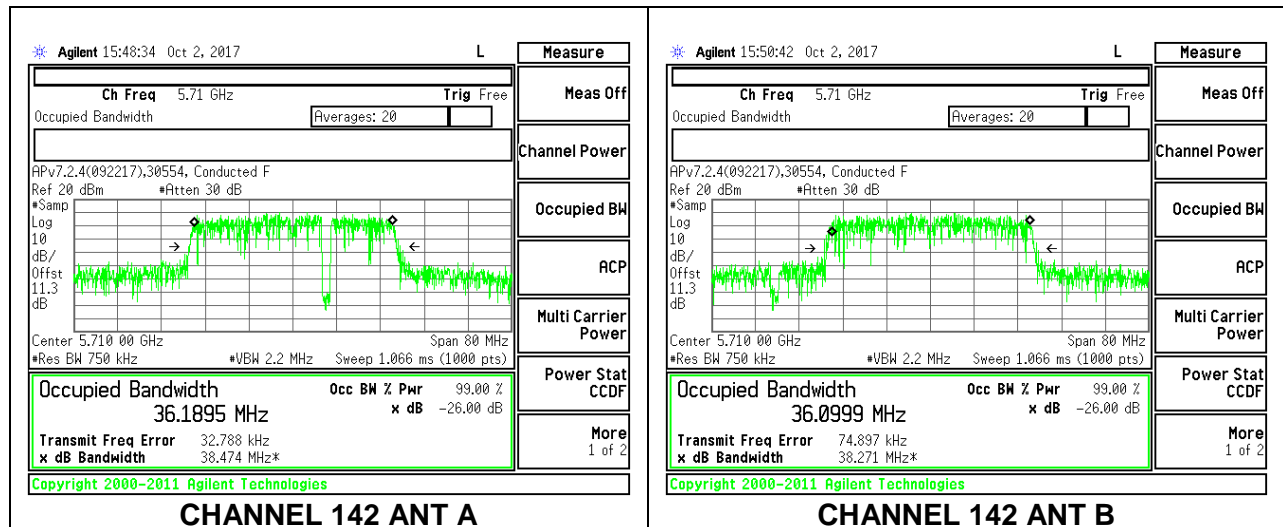
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Mid	5550	36.0326	36.0634
142	5710	36.1895	36.0999

MID CHANNEL



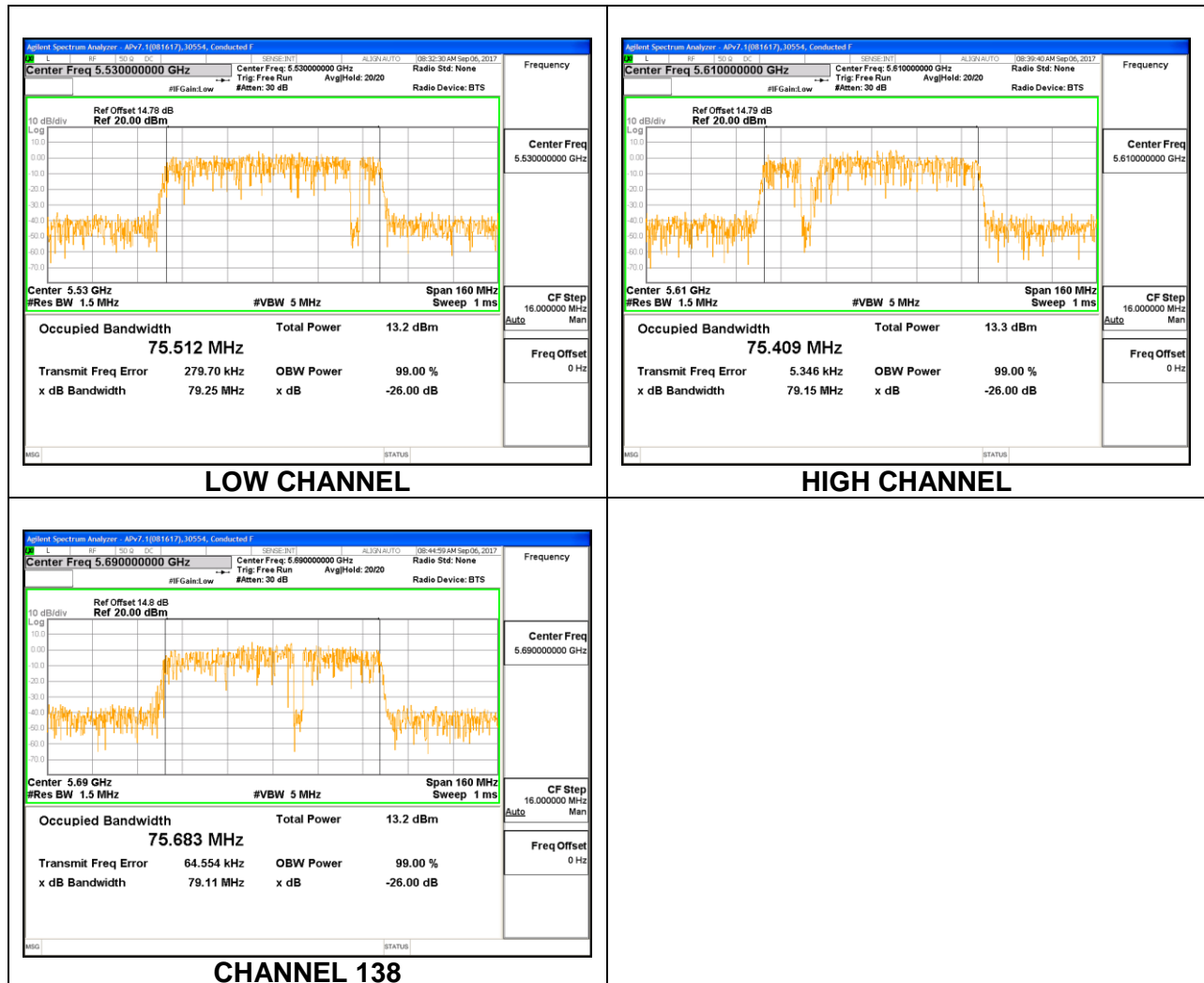
CHANNEL 142



10.2.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

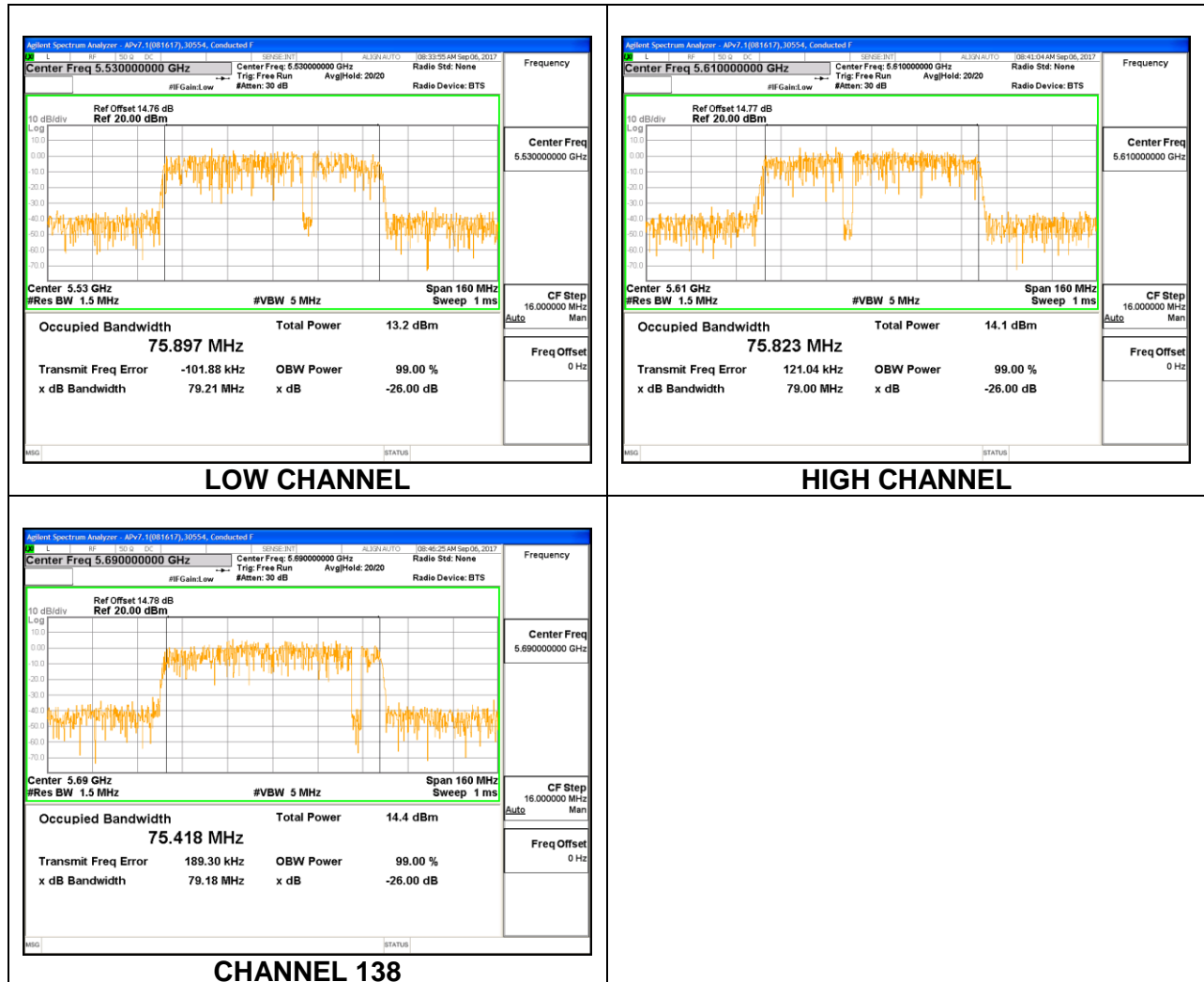
1TX Antenna A

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5530	75.512
High	5610	75.409
138	5690	75.683



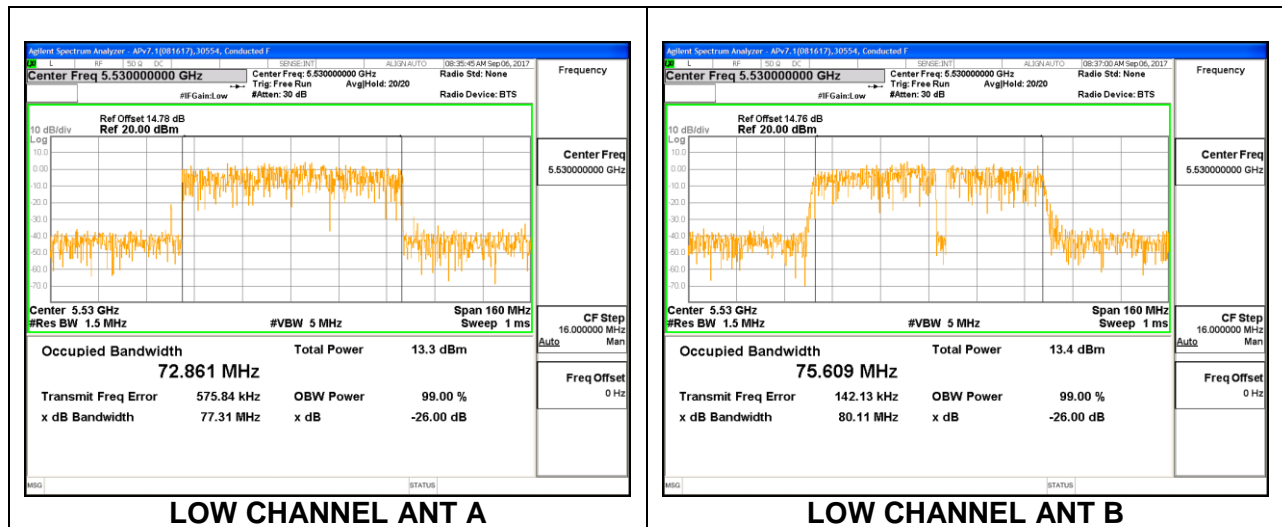
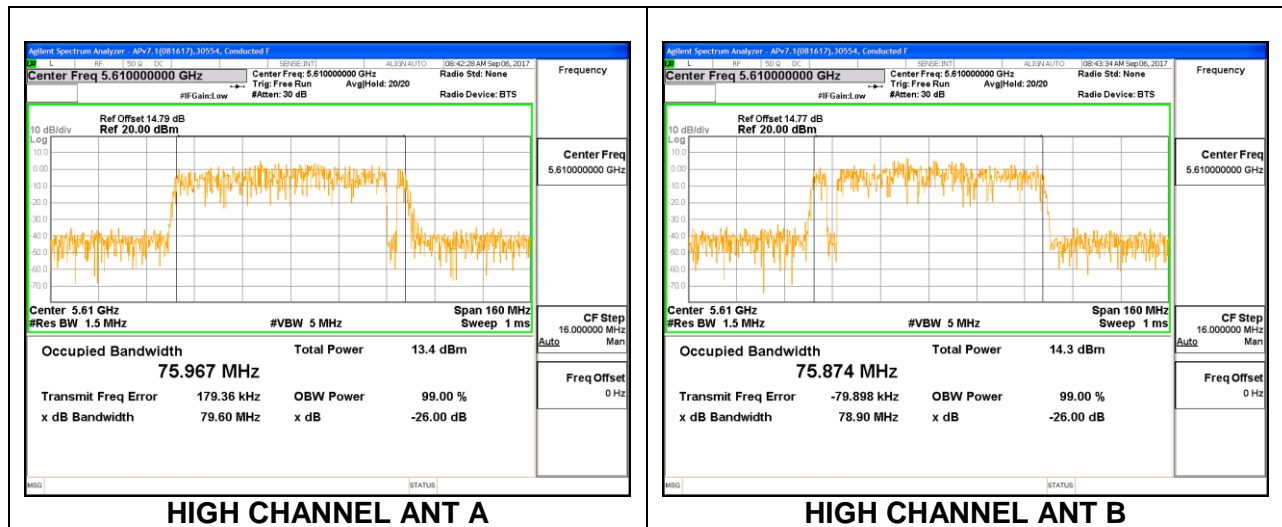
1TX Antenna B

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5530	75.897
High	5610	75.823
138	5690	75.418

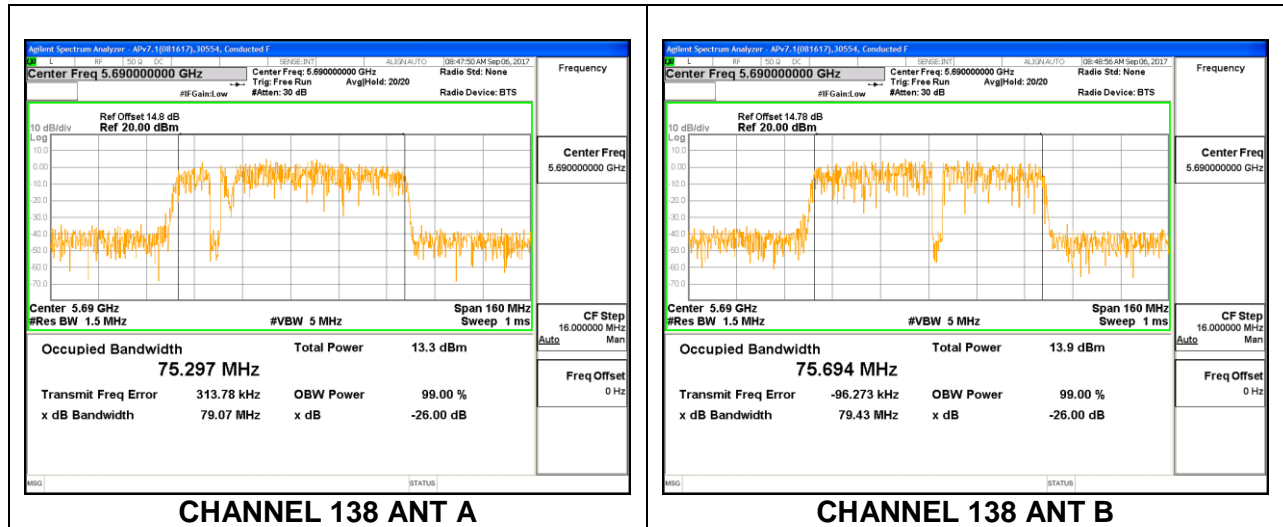


2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5530	72.861	75.609
High	5610	75.967	75.874
138	5690	75.297	75.694

LOW CHANNEL**HIGH CHANNEL**

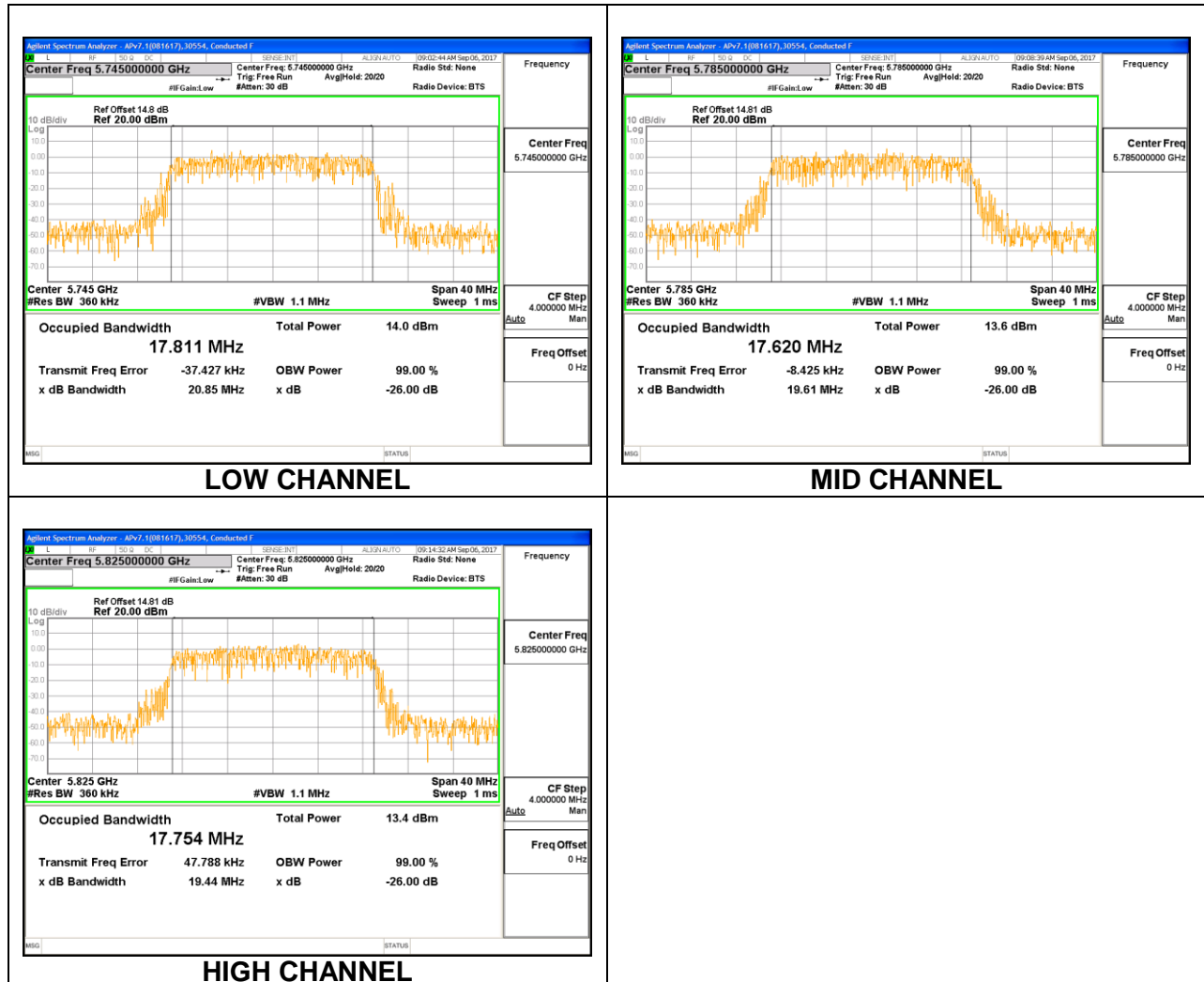
CHANNEL 138



10.2.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

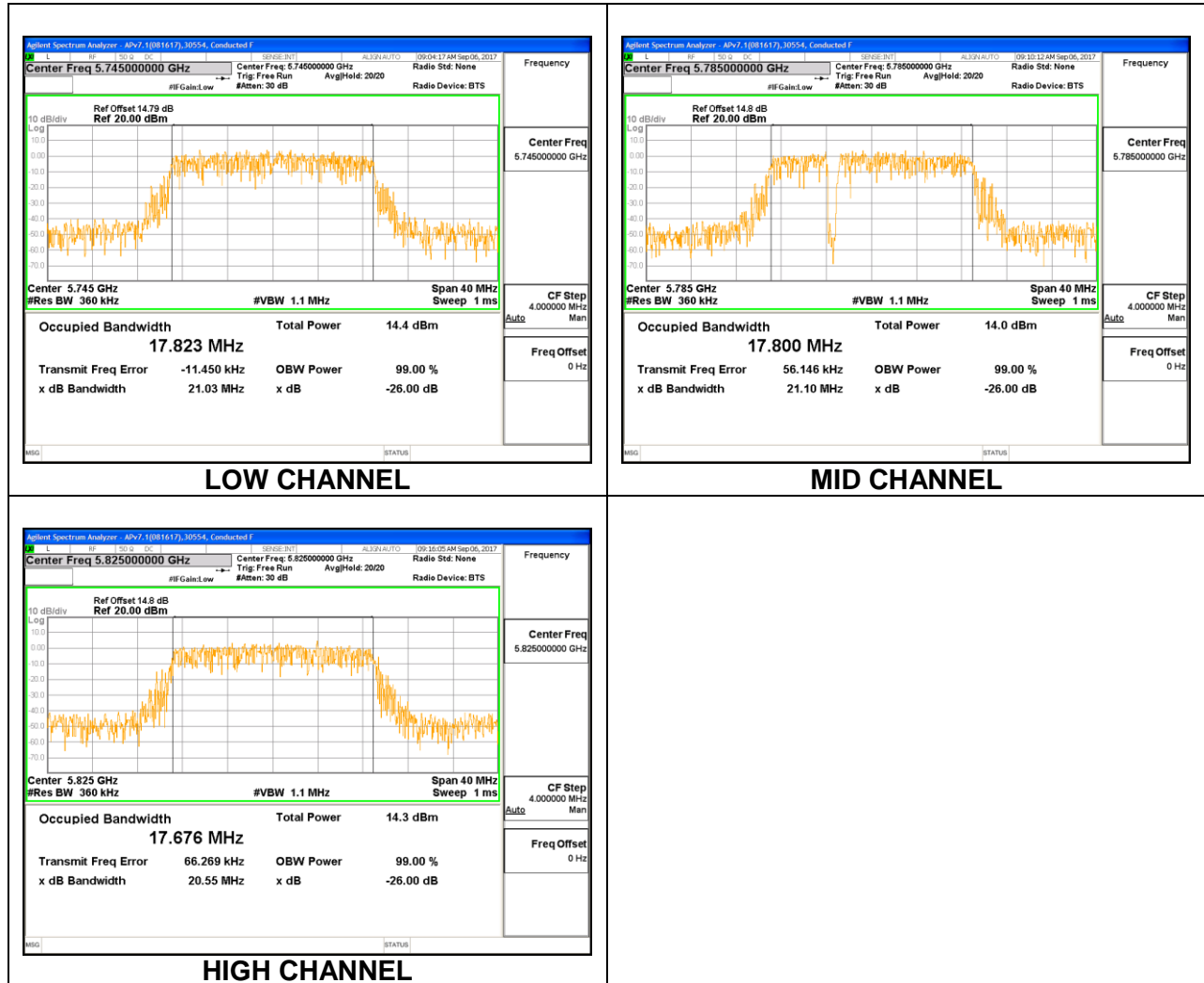
1TX Antenna A

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5745	17.811
Mid	5785	17.620
High	5825	17.754



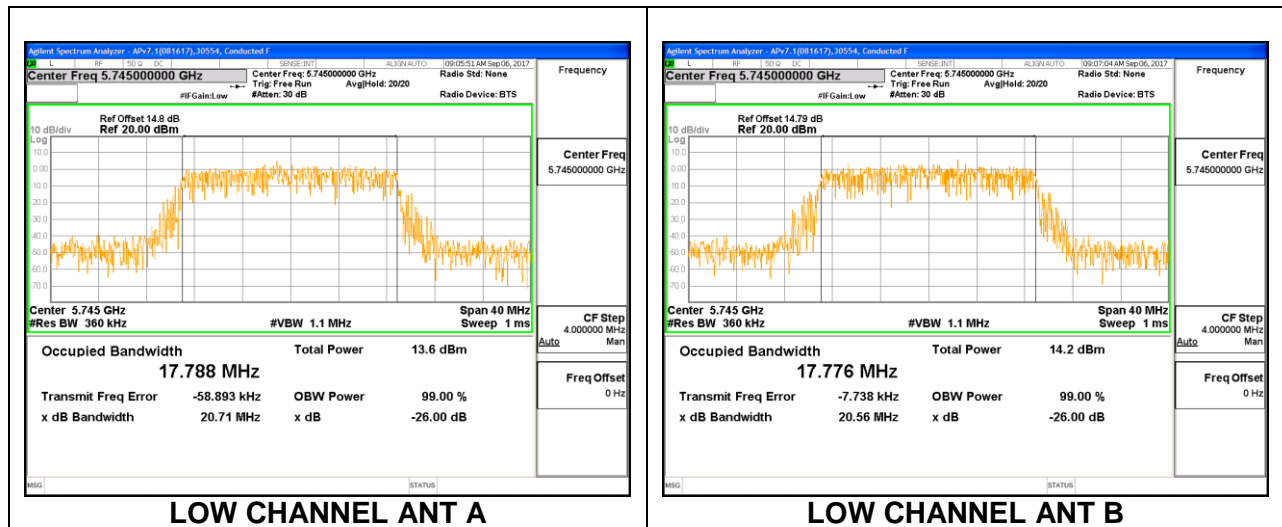
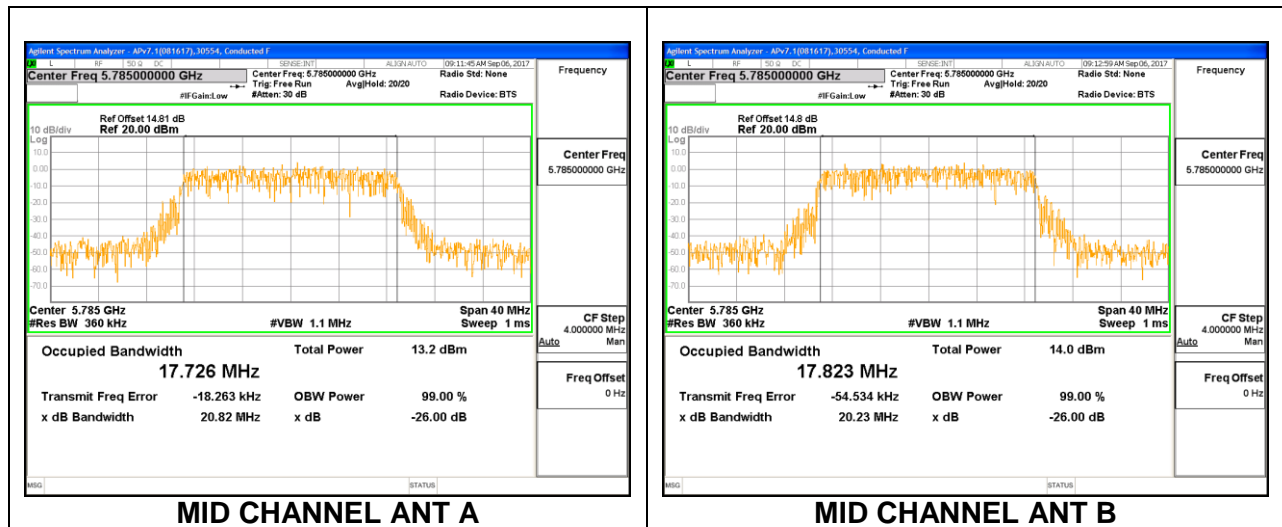
1TX Antenna B

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5745	17.8230
Mid	5785	17.8000
High	5825	17.6760

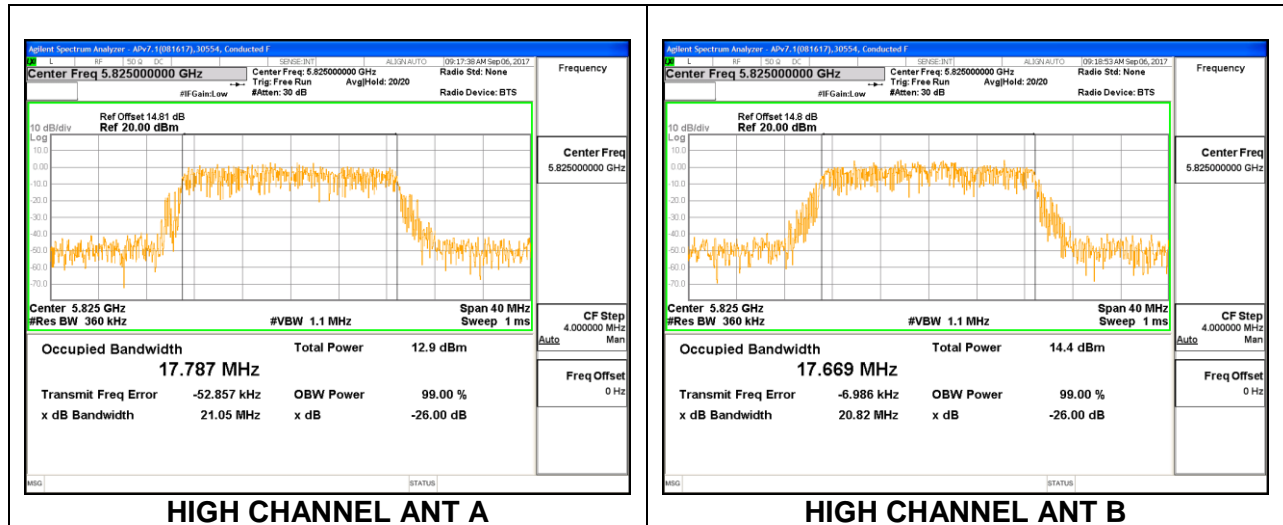


2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5745	17.788	17.776
Mid	5785	17.726	17.823
High	5825	17.787	17.669

LOW CHANNEL**MID CHANNEL**

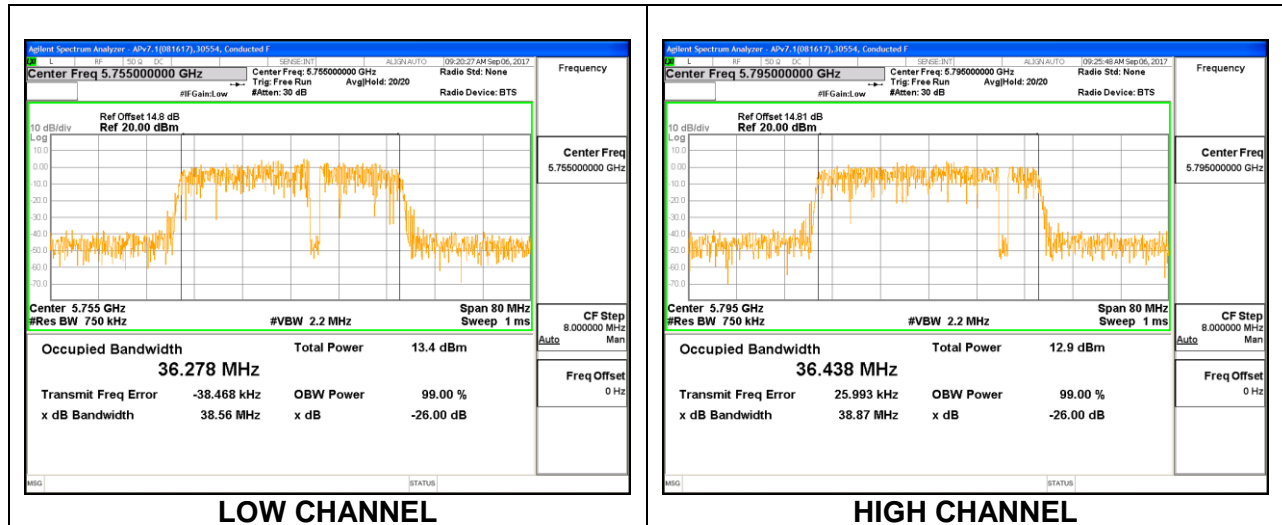
HIGH CHANNEL



10.2.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

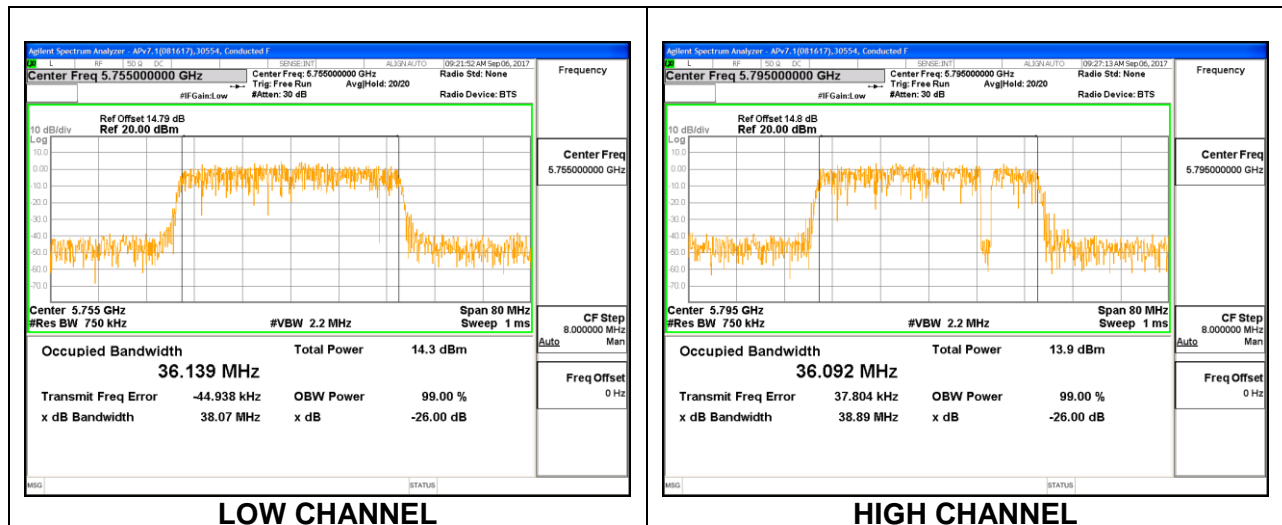
1TX Antenna A

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.278
High	5795	36.438



1TX Antenna B

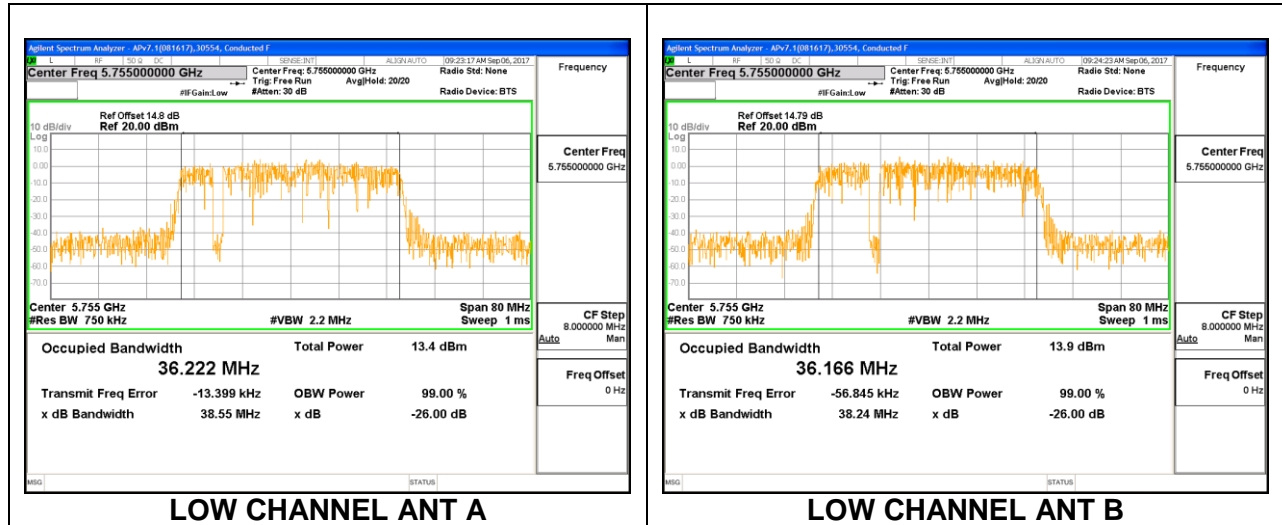
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5755	36.139
High	5795	36.092



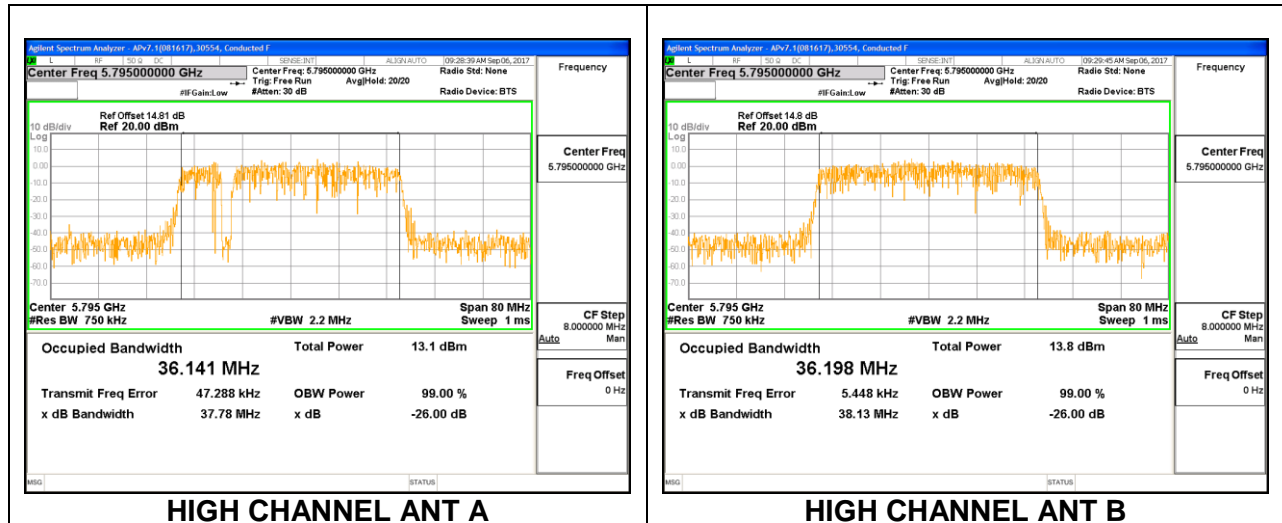
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5755	36.222	36.166
High	5795	36.141	36.198

LOW CHANNEL



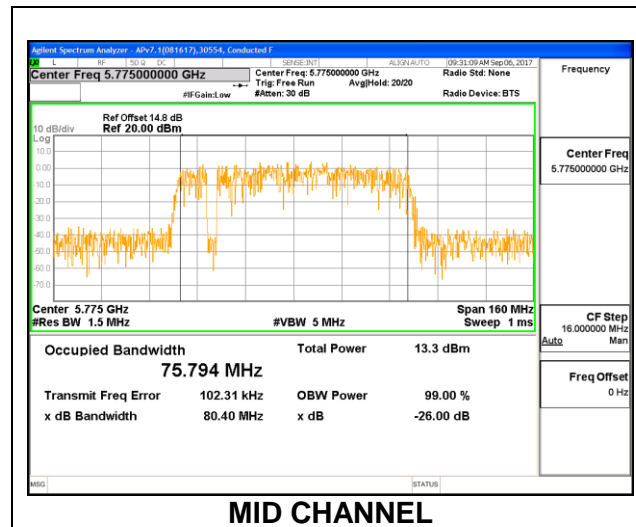
HIGH CHANNEL



10.2.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

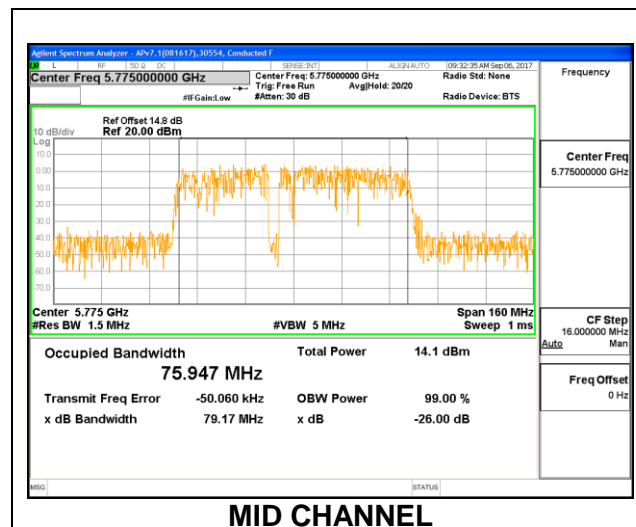
1TX Antenna A

Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	75.794



1TX Antenna B

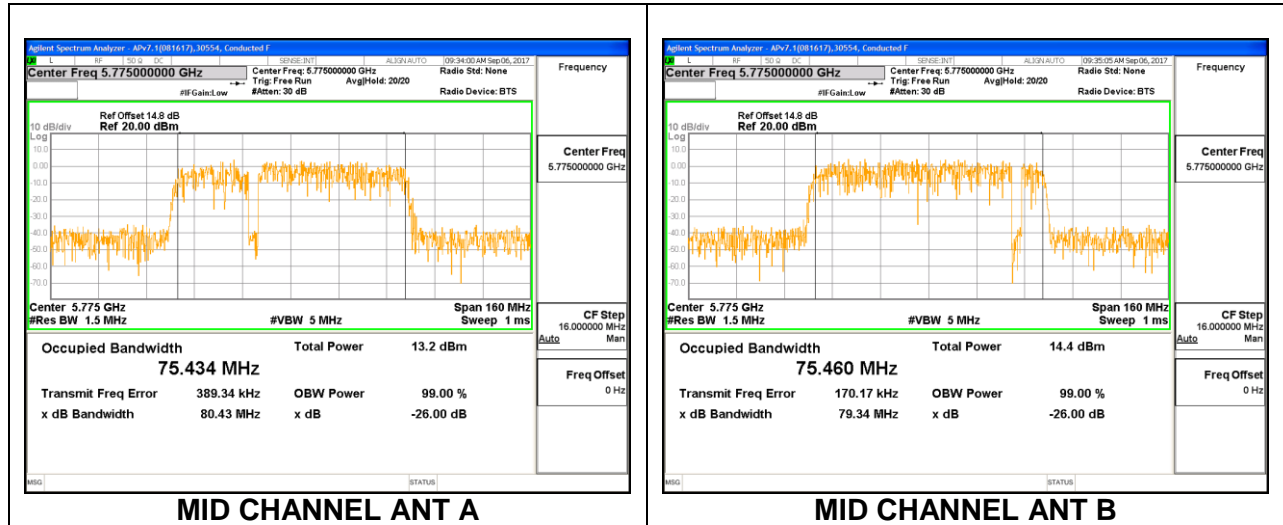
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	75.947



2TX Antenna A + Antenna B CDD MODE

Channel	Frequency	99% Bandwidth Ant A	99% Bandwidth Ant B
	(MHz)	(MHz)	(MHz)
Mid	5775	75.434	75.460

MID CHANNEL



10.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

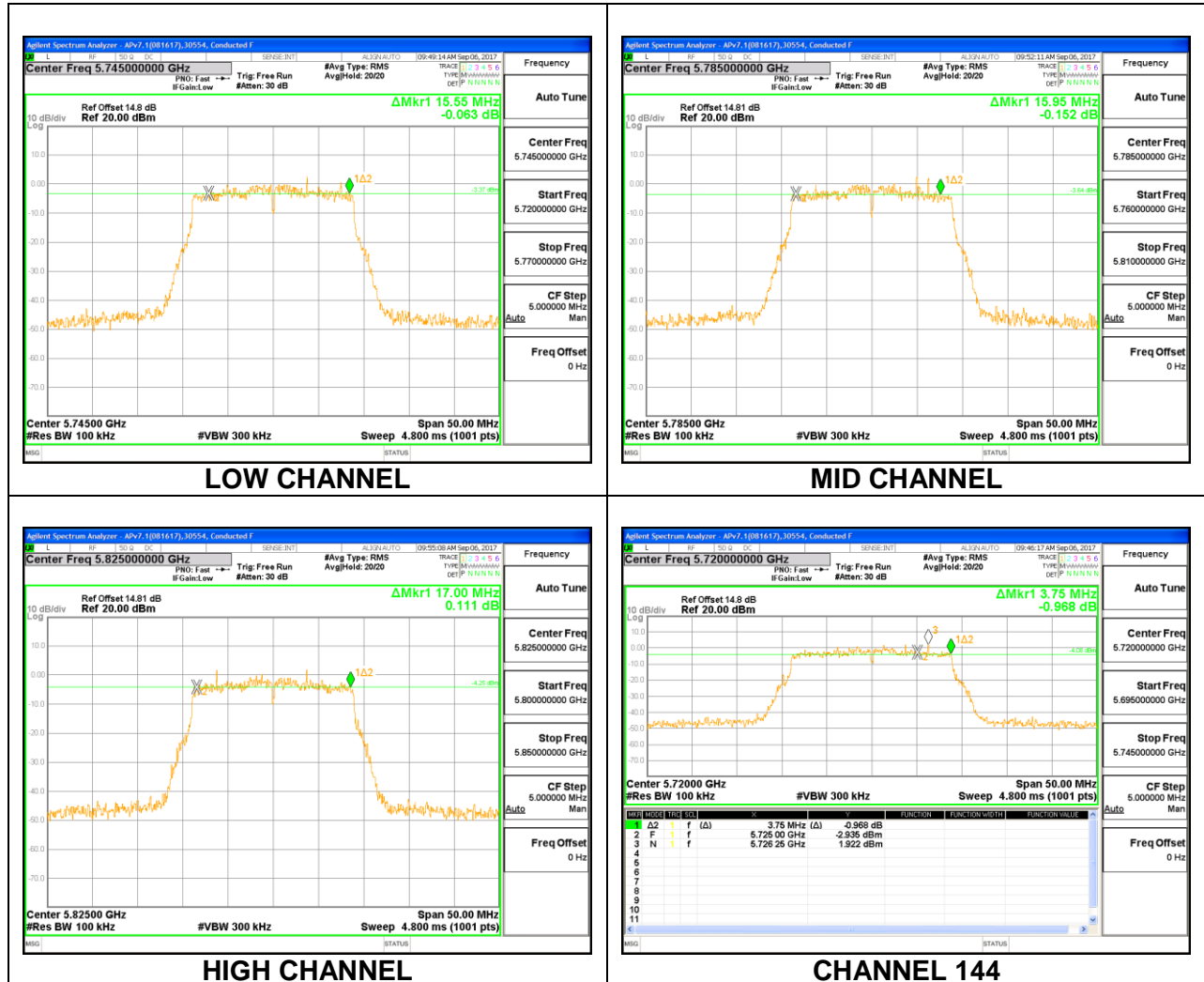
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

10.3.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

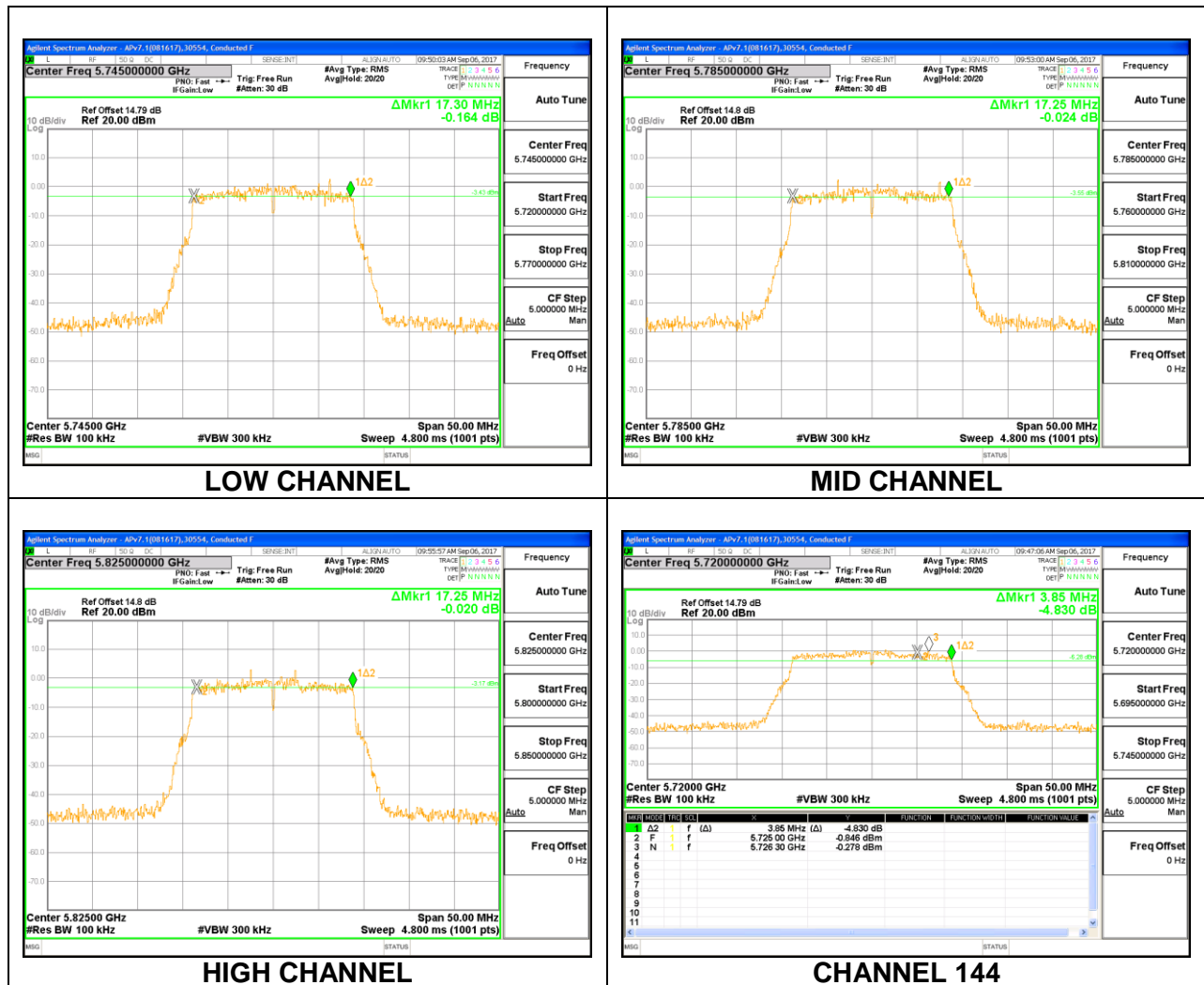
1TX Antenna A

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	15.5500	0.5
Mid	5785	15.9500	0.5
High	5825	17.0000	0.5
144	5720	3.7500	0.5



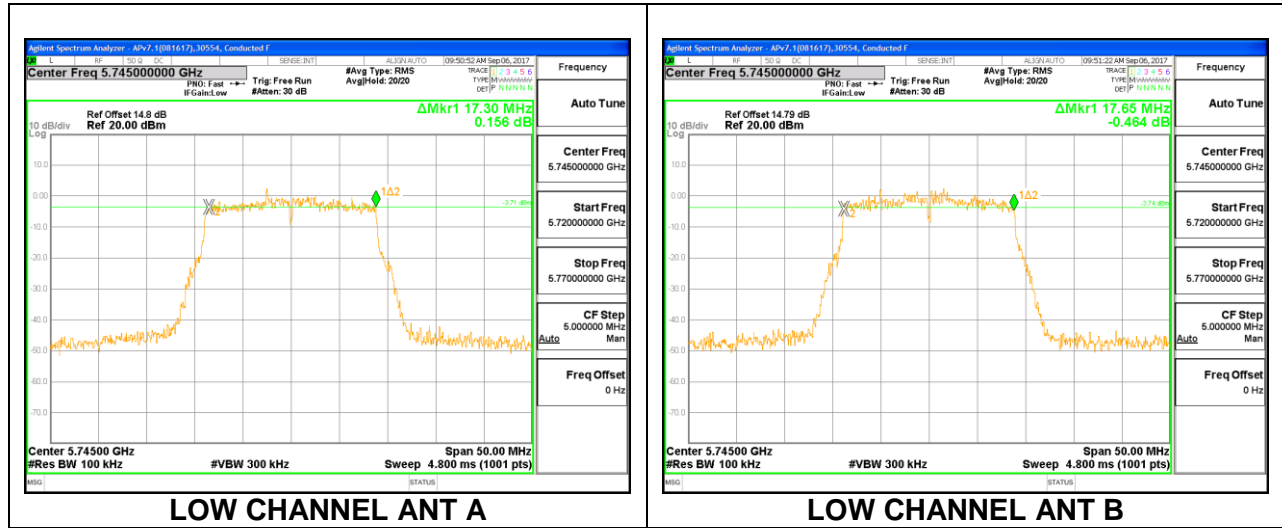
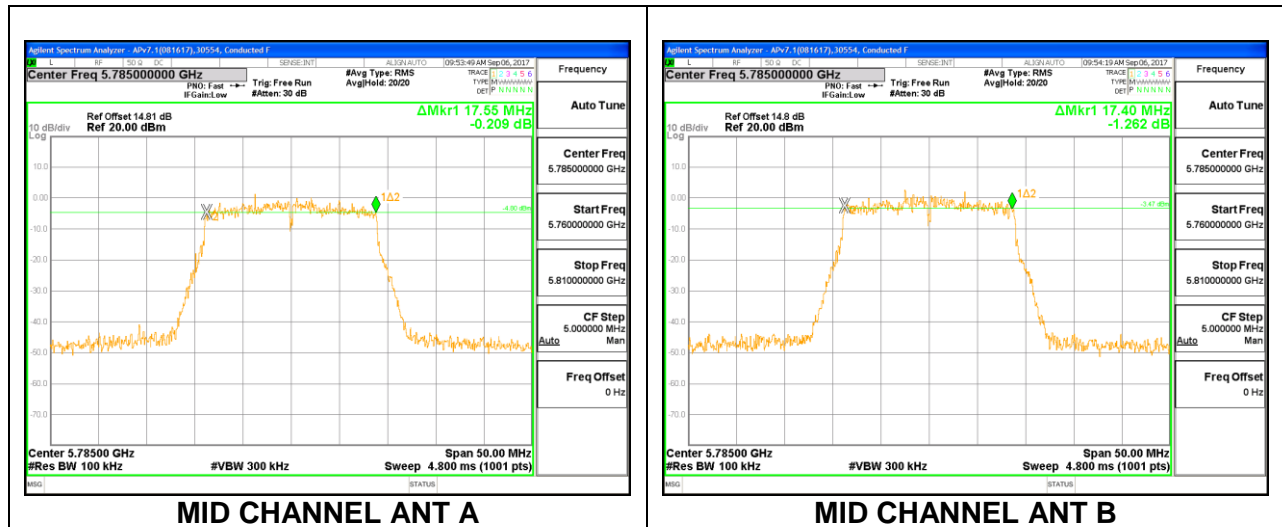
1TX Antenna B

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	17.300	0.5
Mid	5785	17.250	0.5
High	5825	17.250	0.5
144	5720	3.850	0.5



2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Low	5745	17.300	17.650	0.5
Mid	5785	17.550	17.400	0.5
High	5825	16.300	17.600	0.5
144	5720	5.150	3.850	0.5

LOW CHANNEL**MID CHANNEL**

The figure consists of two side-by-side screenshots of an Agilent Spectrum Analyzer interface, labeled 'HIGH CHANNEL ANT A' and 'HIGH CHANNEL ANT B'.

High Channel Ant A Screenshot:

- Center Freq:** 5.825000000 GHz
- Ref Offset:** 14.81 dB
- Ref:** 20.00 dBm
- Marker 1:** 16.30 MHz, 0.210 dB
- Marker 2:** 16.2
- CF Step:** 5.000000 MHz
- Auto Tune:** Enabled
- Center Freq (displayed):** 5.825000000 GHz
- Start Freq:** 5.800000000 GHz
- Stop Freq:** 5.850000000 GHz
- Freq Offset:** 0 Hz
- Span:** 50.00 MHz
- Center:** 5.82500 GHz
- Res BW:** 100 kHz
- VBW:** 300 kHz
- Sweep:** 4.800 ms (1001 pts)

High Channel Ant B Screenshot:

- Center Freq:** 5.825000000 GHz
- Ref Offset:** 14.8 dB
- Ref:** 20.00 dBm
- Marker 1:** 17.60 MHz, 0.436 dB
- Marker 2:** 17.2
- CF Step:** 5.000000 MHz
- Auto Tune:** Enabled
- Center Freq (displayed):** 5.825000000 GHz
- Start Freq:** 5.800000000 GHz
- Stop Freq:** 5.850000000 GHz
- Freq Offset:** 0 Hz
- Span:** 50.00 MHz
- Center:** 5.82500 GHz
- Res BW:** 100 kHz
- VBW:** 300 kHz
- Sweep:** 4.800 ms (1001 pts)

Channel 144 Ant A

Agilent Spectrum Analyzer - AD7.1001617.10554, Conducted F

Center Freq 5.720000000 GHz

Ref Offset 14.8 dB
Ref 20.00 dBm

Auto Tune

Center Freq 5.720000000 GHz

Start Freq 5.695000000 GHz

Stop Freq 5.745000000 GHz

CF Step 5.0000000 MHz

Center 5.720000 MHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 4.800 ms (1001 pts)

Span 50.00 MHz

ΔMkr1 5.15 MHz
-10.207 dB

MW	MODE	FREQ	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	5.15 MHz	-10.207 dB			
2	F	f	(Δ)	5.72375 GHz	2.227 dBm			
3	N	f	(Δ)	5.72625 GHz	-2.470 dBm			

Freq Offset 0 Hz

Channel 144 Ant B

Agilent Spectrum Analyzer - AD7.1001617.10554, Conducted F

Center Freq 5.720000000 GHz

Ref Offset 14.79 dB
Ref 20.00 dBm

Auto Tune

Center Freq 5.720000000 GHz

Start Freq 5.695000000 GHz

Stop Freq 5.745000000 GHz

CF Step 5.0000000 MHz

Center 5.720000 MHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 4.800 ms (1001 pts)

Span 50.00 MHz

ΔMkr1 3.85 MHz
-5.337 dB

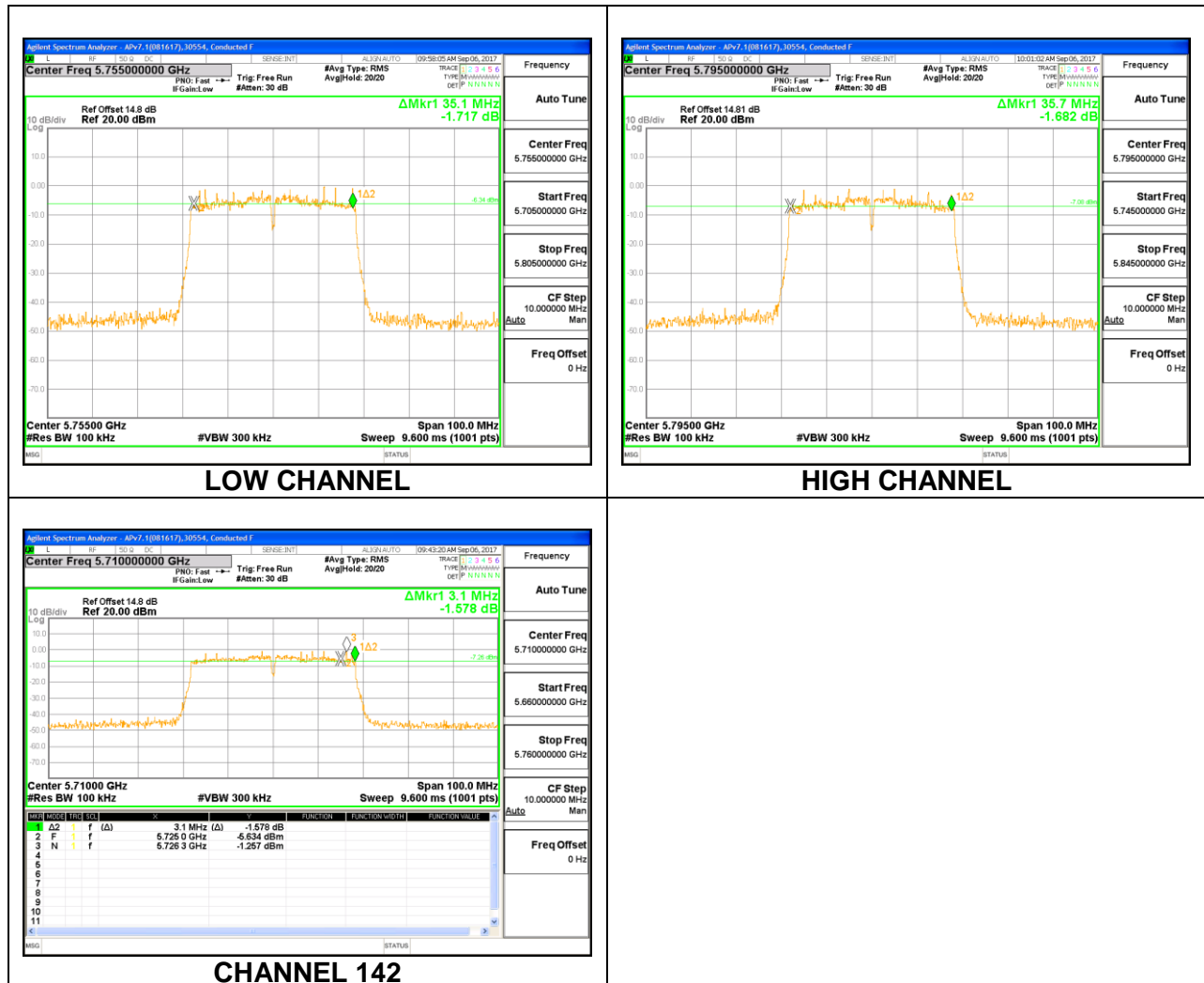
MW	MODE	FREQ	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	3.85 MHz	-5.337 dB			
2	F	f	(Δ)	5.72620 GHz	0.016 dBm			
3	N	f	(Δ)	5.72620 GHz	1.116 dBm			

Freq Offset 0 Hz

10.3.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

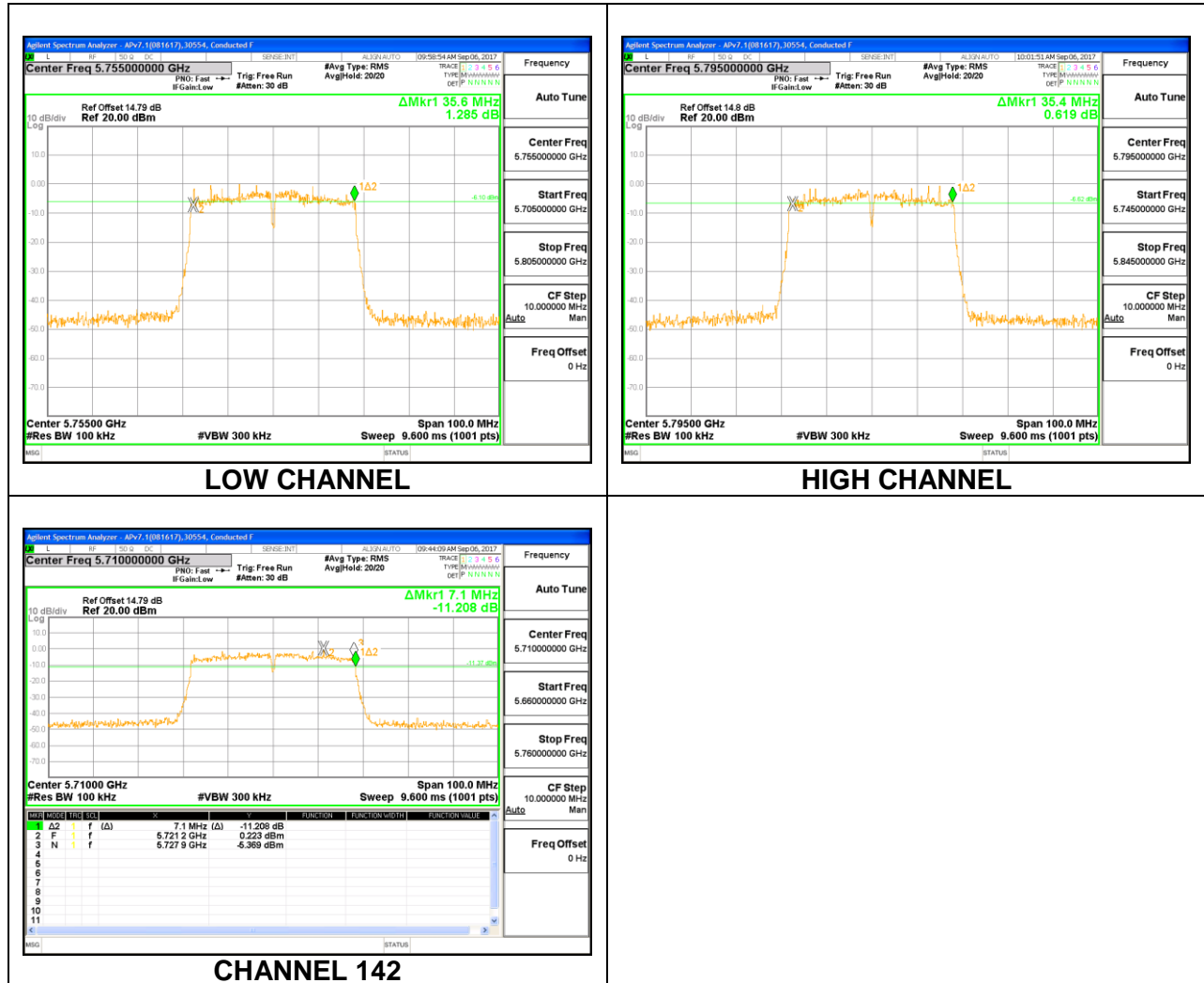
1TX Antenna A

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.1	0.5
High	5795	35.7	0.5
142	5710	3.1	0.5



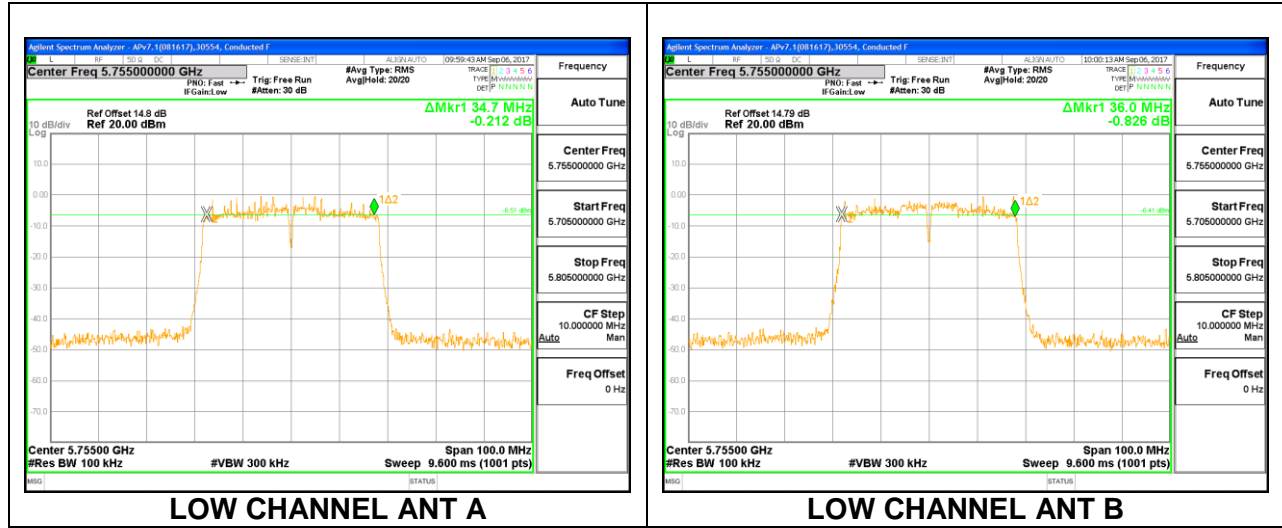
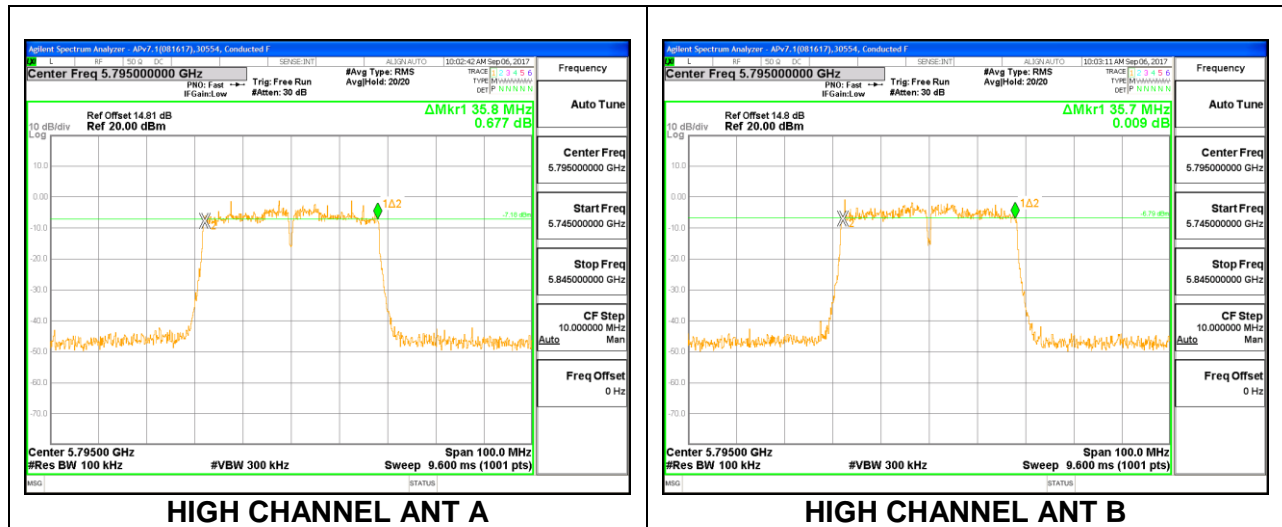
1TX Antenna B

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	35.6	0.5
High	5795	35.4	0.5
142	5710	7.1	0.5



2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	6 dB BW Ant A (MHz)	6 dB BW Ant B (MHz)	Minimum Limit (MHz)
Low	5755	34.7	36.0	0.5
High	5795	35.8	35.7	0.5
142	5710	2.9	3.2	0.5

LOW CHANNEL**HIGH CHANNEL**

Channel 142 ANT A

Agilent Spectrum Analyzer - AP7.1081617.30554, Conducted F

Center Freq 5.71000000 GHz

Ref Offset 14.8 dB
Ref 20.00 dBm

PRO: Fast
IF Gain: Low

Trig: Free Run

#Avg Type: RMS
Avg Hold: 2020

#Atten: 30 dB

Frequency

Auto Tune

Center Freq 5.71000000 GHz

Start Freq 5.66000000 GHz

Stop Freq 5.76000000 GHz

CF Step 10.000000 MHz

Center 5.71000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 9.600 ms (1001 pts)

Span 100.0 MHz

CF Step 10.000000 MHz

Auto

Man

Frequency Offset 0 Hz

MHz	Mode	Trace	SQL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	dB
5.710	Δ	1	f	(Δ)	2.9 MHz (Δ)	-0.219 dB			
5.720	F	1	f		5.726.0 GHz	-6.444 dBm			
5.727	N	1	f		5.727.5 GHz	-1.453 dBm			

Channel 142 ANT B

Agilent Spectrum Analyzer - AP7.1081617.30554, Conducted F

Center Freq 5.71000000 GHz

Ref Offset 14.79 dB
Ref 20.00 dBm

PRO: Fast
IF Gain: Low

Trig: Free Run

#Avg Type: RMS
Avg Hold: 2020

#Atten: 30 dB

Frequency

Auto Tune

Center Freq 5.71000000 GHz

Start Freq 5.66000000 GHz

Stop Freq 5.76000000 GHz

CF Step 10.000000 MHz

Center 5.71000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 9.600 ms (1001 pts)

Span 100.0 MHz

CF Step 10.000000 MHz

Auto

Man

Frequency Offset 0 Hz

MHz	Mode	Trace	SQL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	dB
5.710	Δ	1	f	(Δ)	3.2 MHz (Δ)	-6.415 dB			
5.720	F	1	f		5.726.0 GHz	-1.195 dBm			
5.727	N	1	f		5.725.0 GHz	-1.195 dBm			