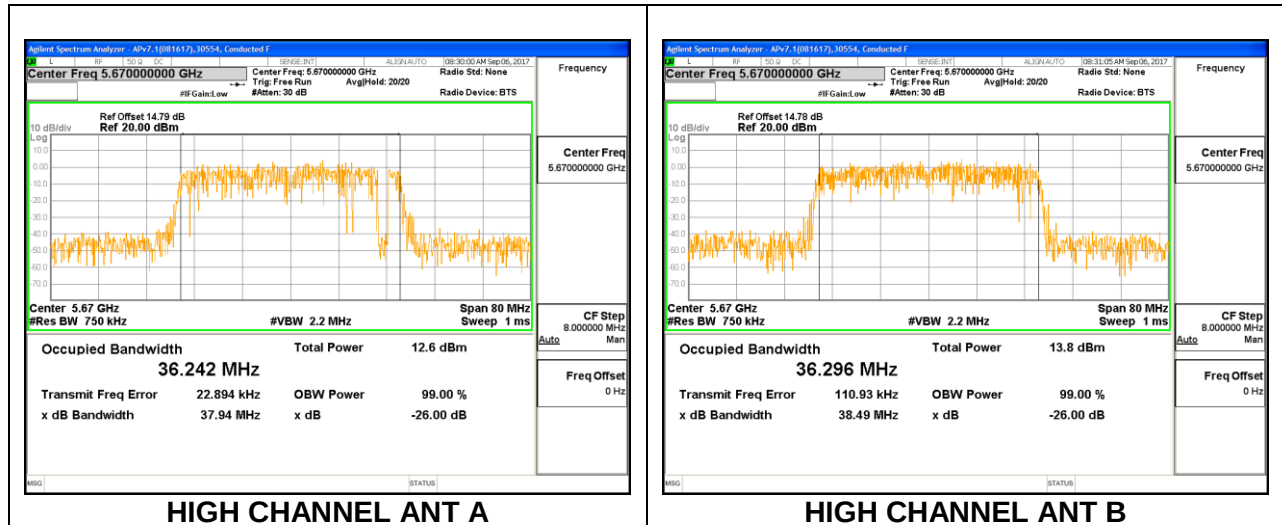
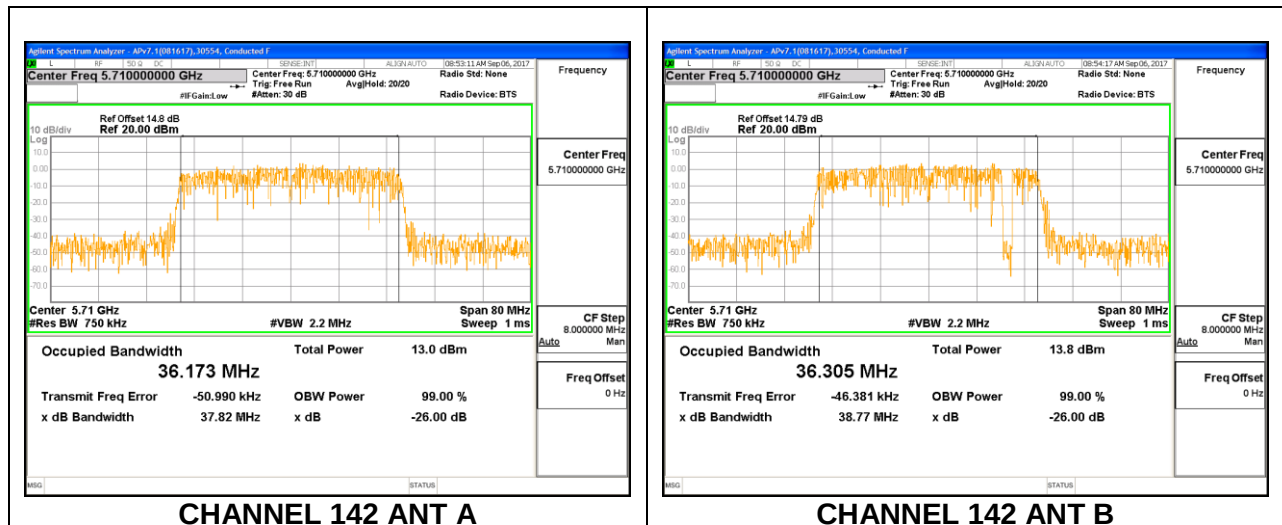


HIGH CHANNEL



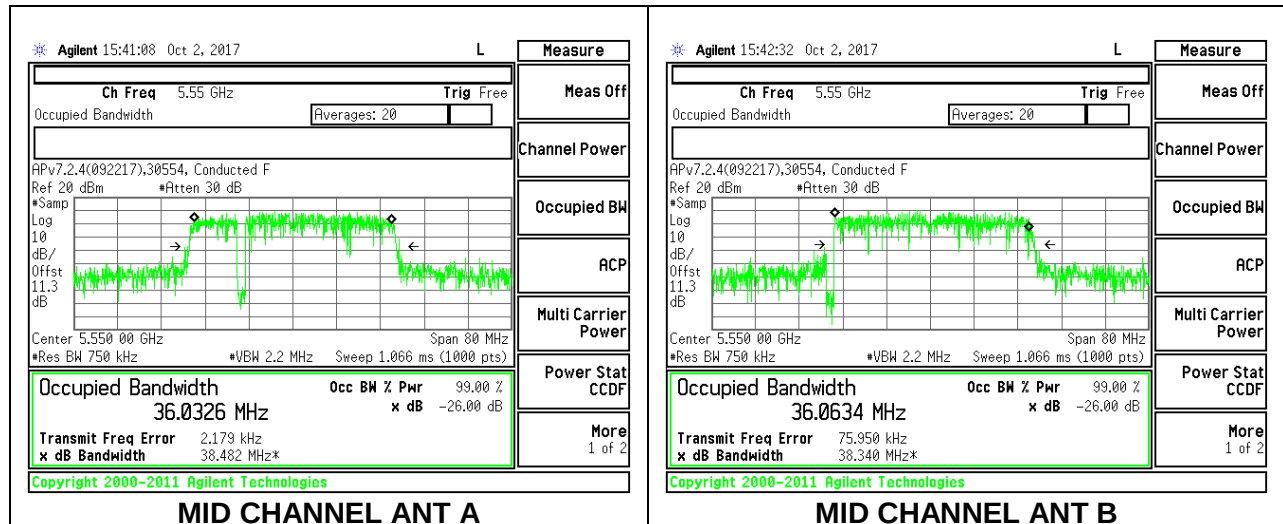
CHANNEL 142



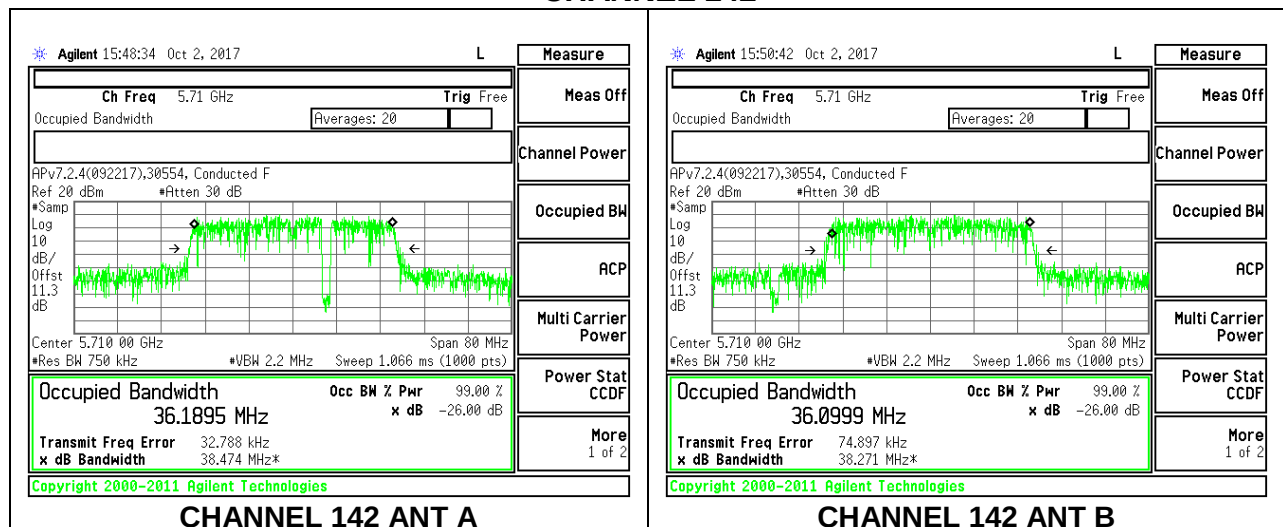
2TX Antenna A + Antenna B STBC MODE

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



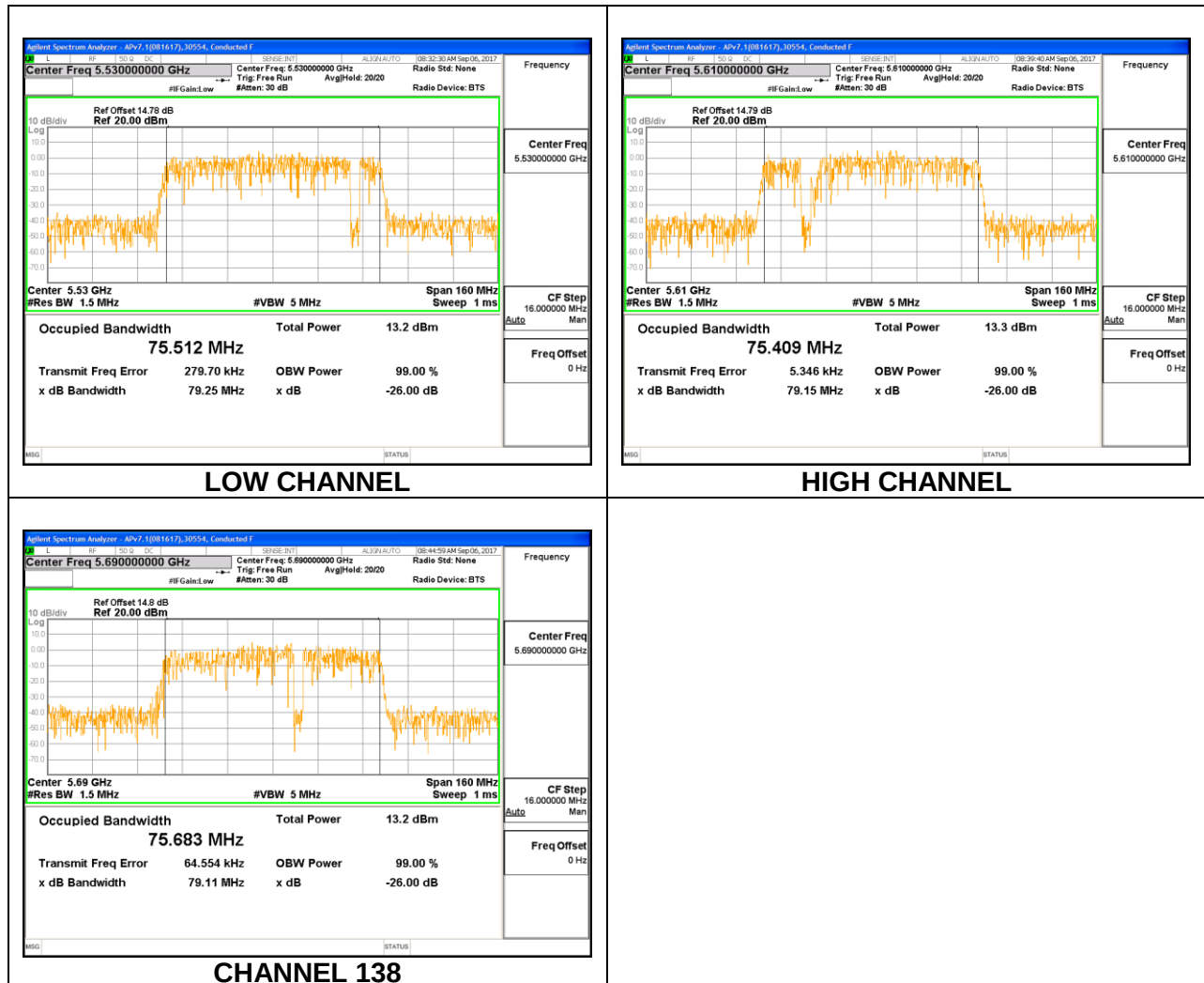
CHANNEL 142



10.2.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

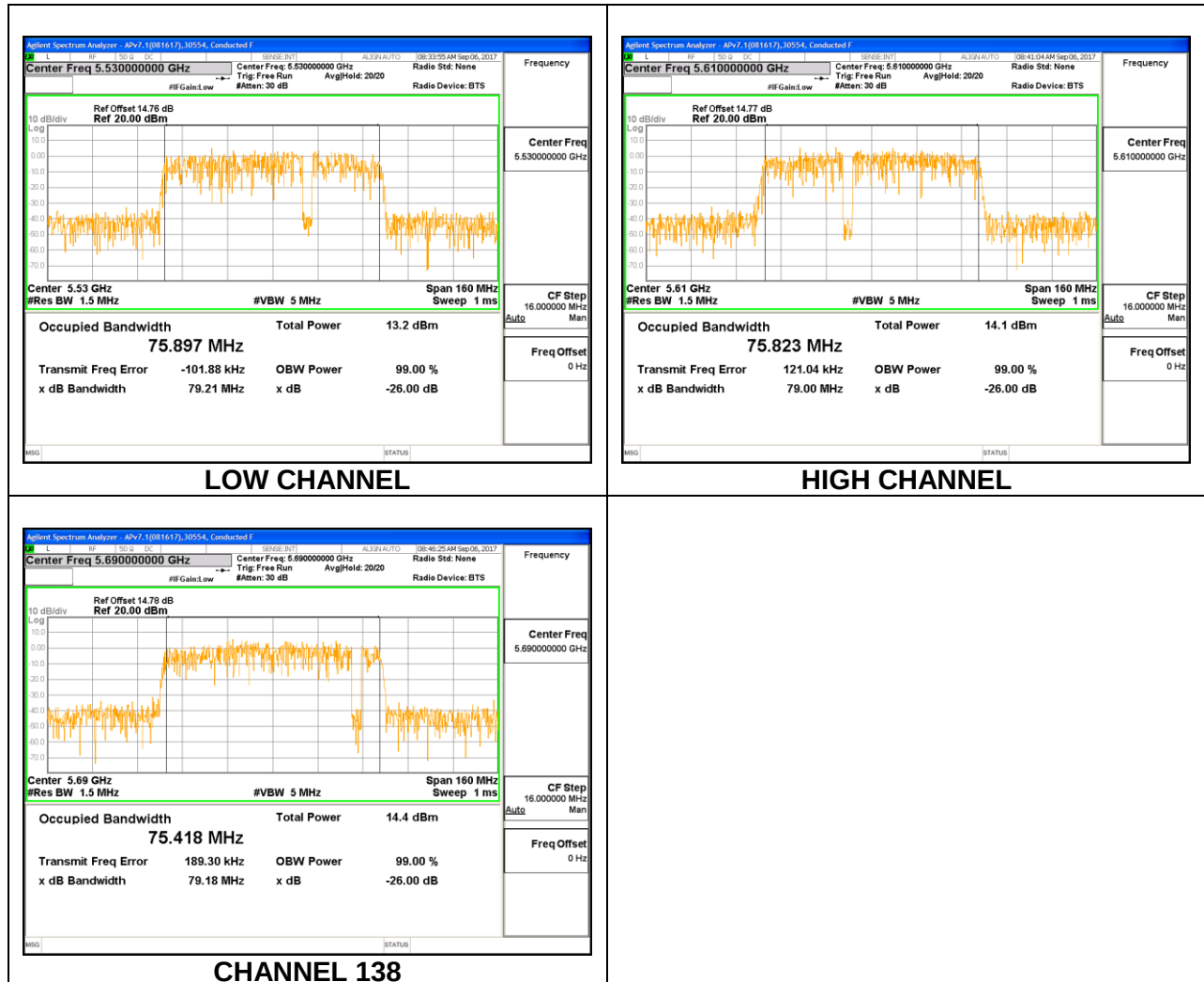
1TX Antenna A

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



1TX Antenna B

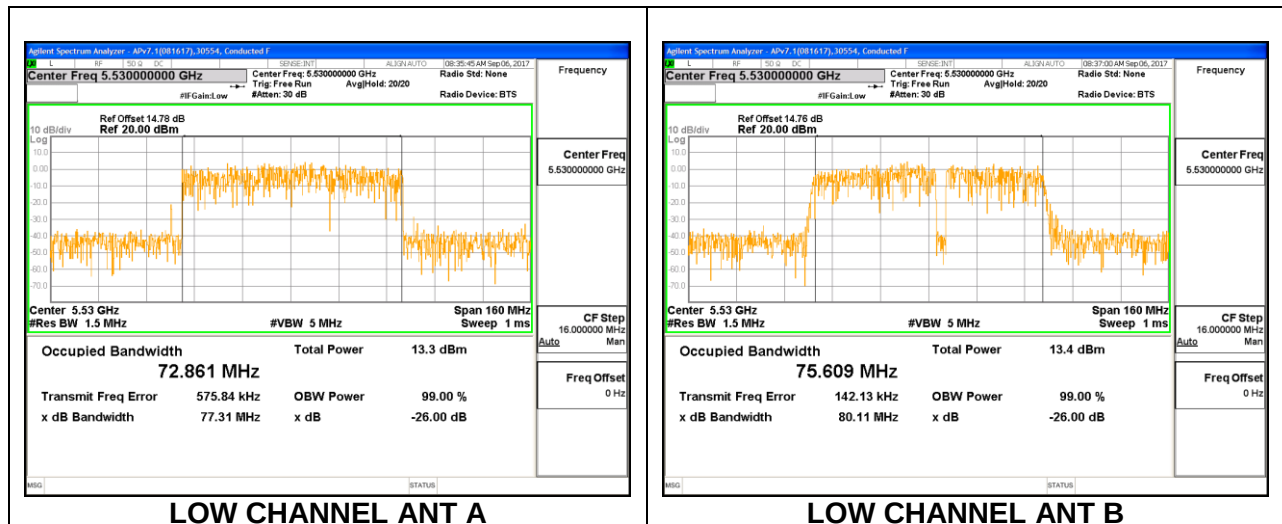
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5530	75.897
High	5610	75.823
138	5690	75.418



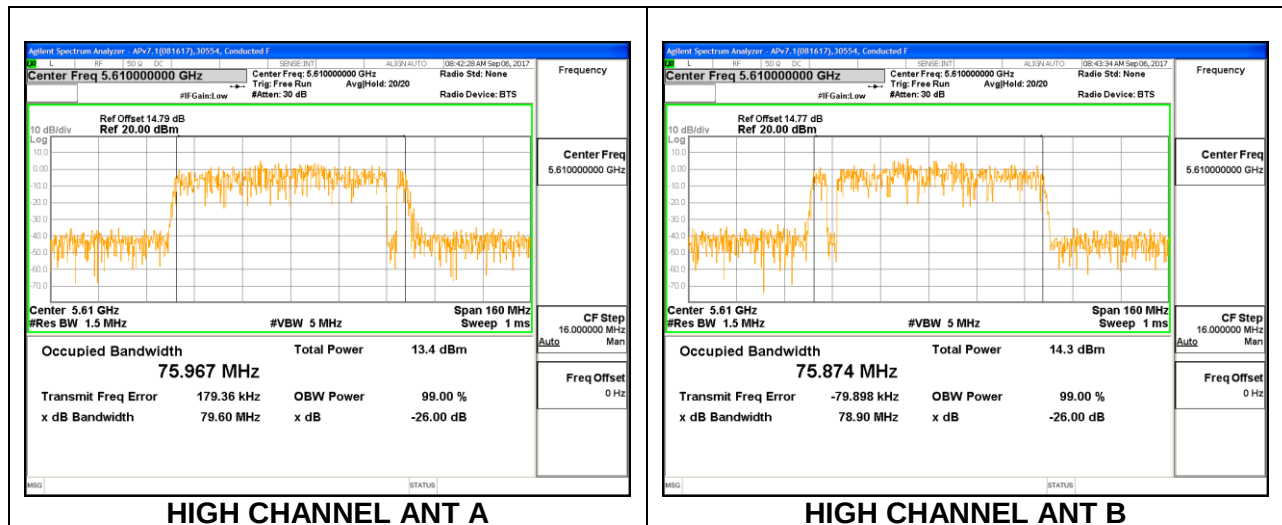
2TX Antenna A + Antenna B CDD MODE

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

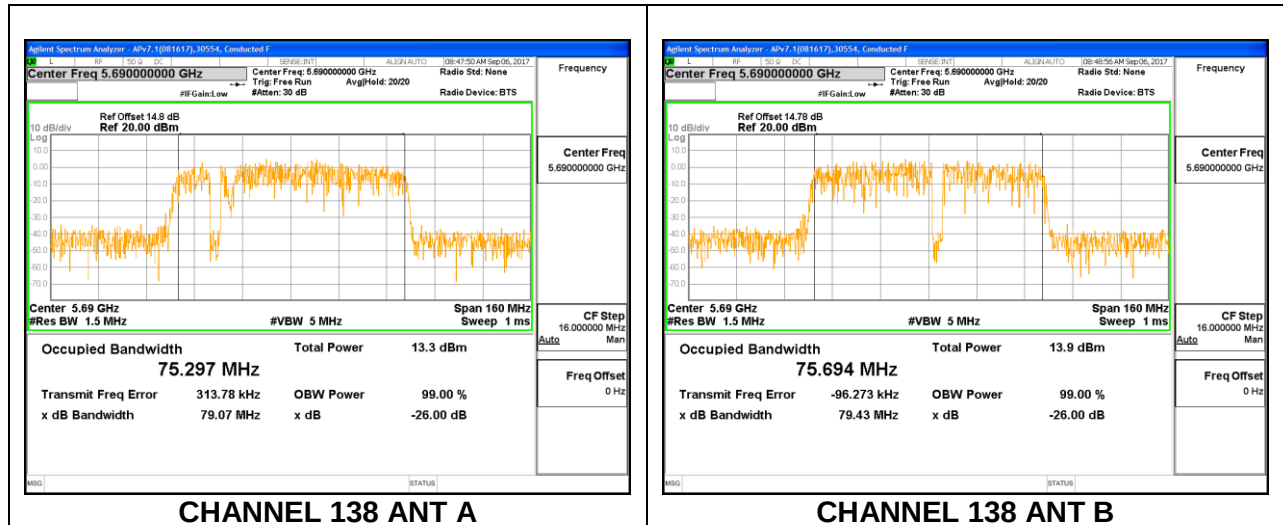
LOW CHANNEL



HIGH CHANNEL



CHANNEL 138



10.2.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

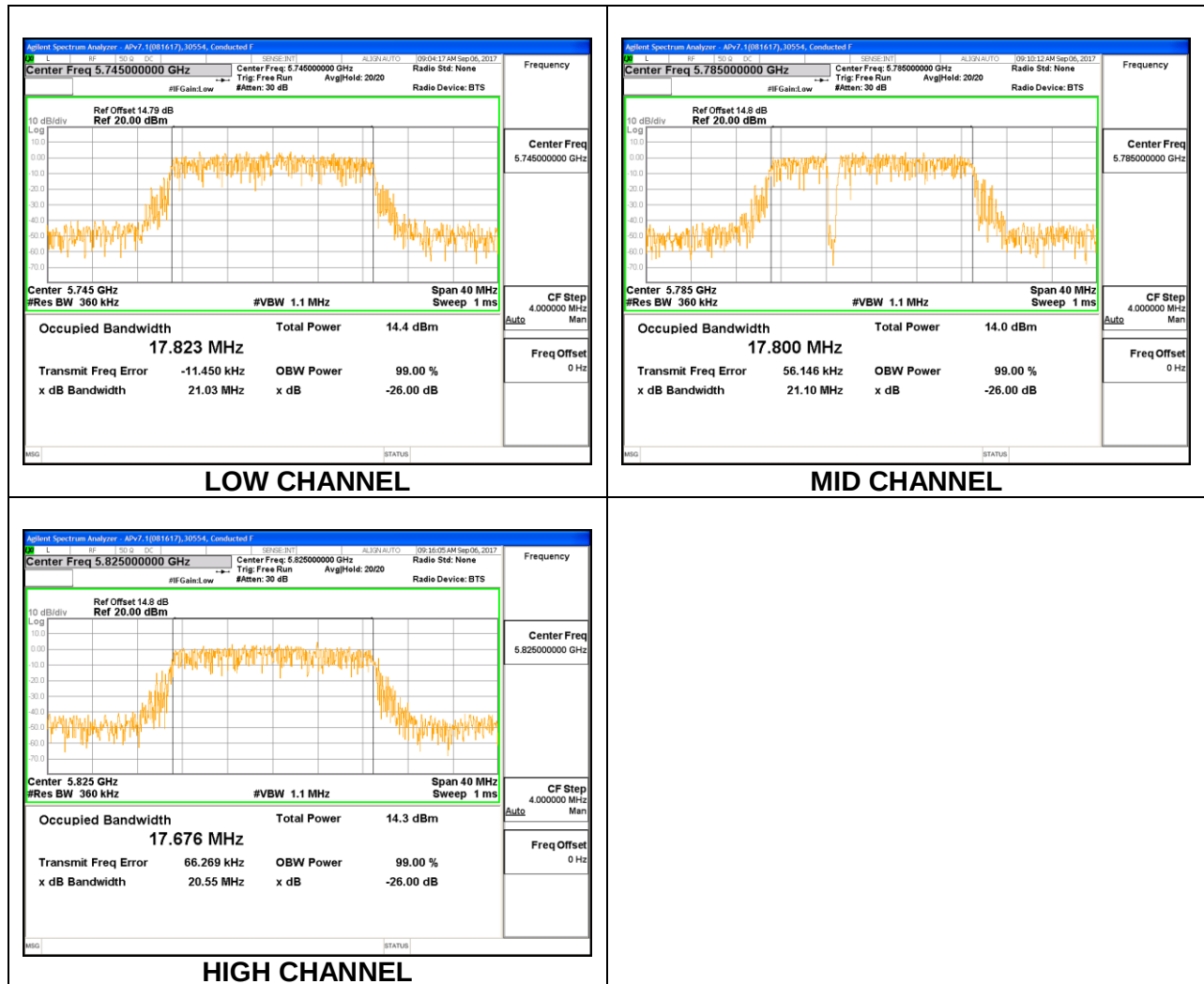
1TX Antenna A

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



1TX Antenna B

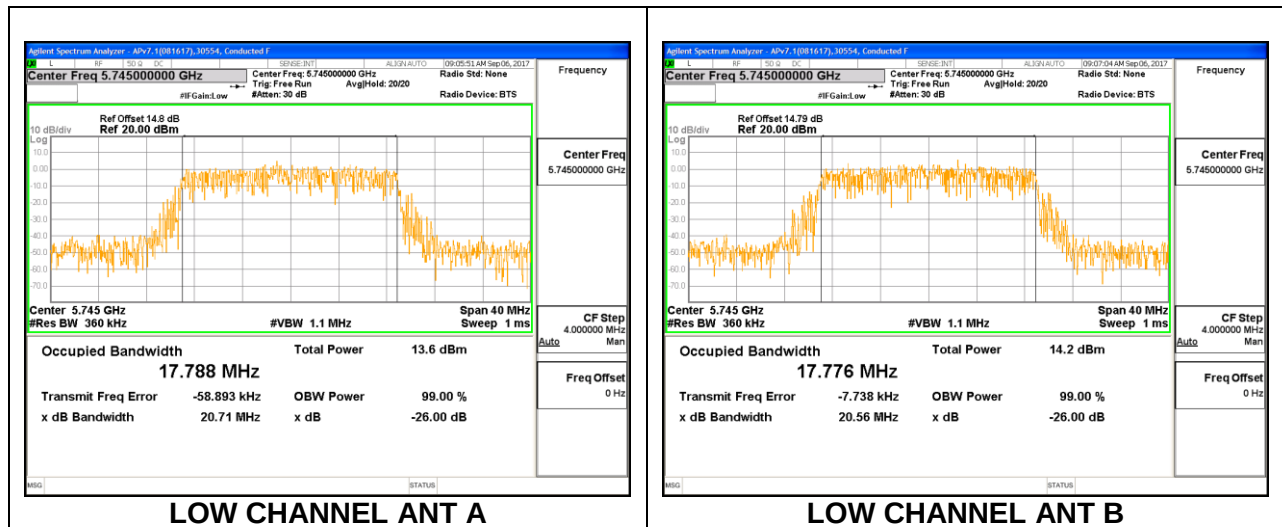
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5745	17.8230
Mid	5785	17.8000
High	5825	17.6760



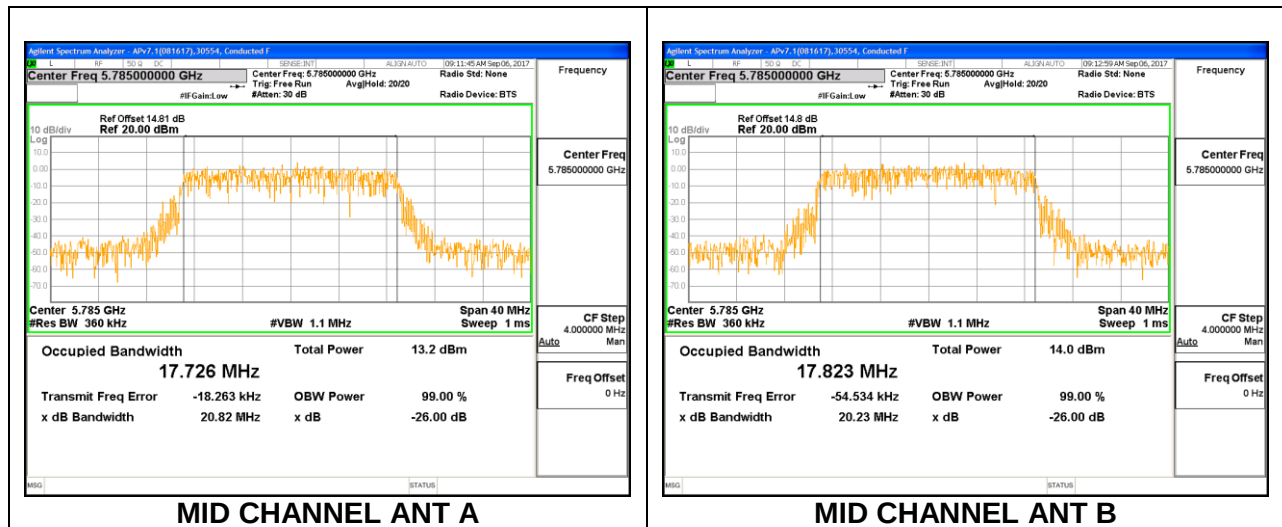
2TX Antenna A + Antenna B CDD MODE

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

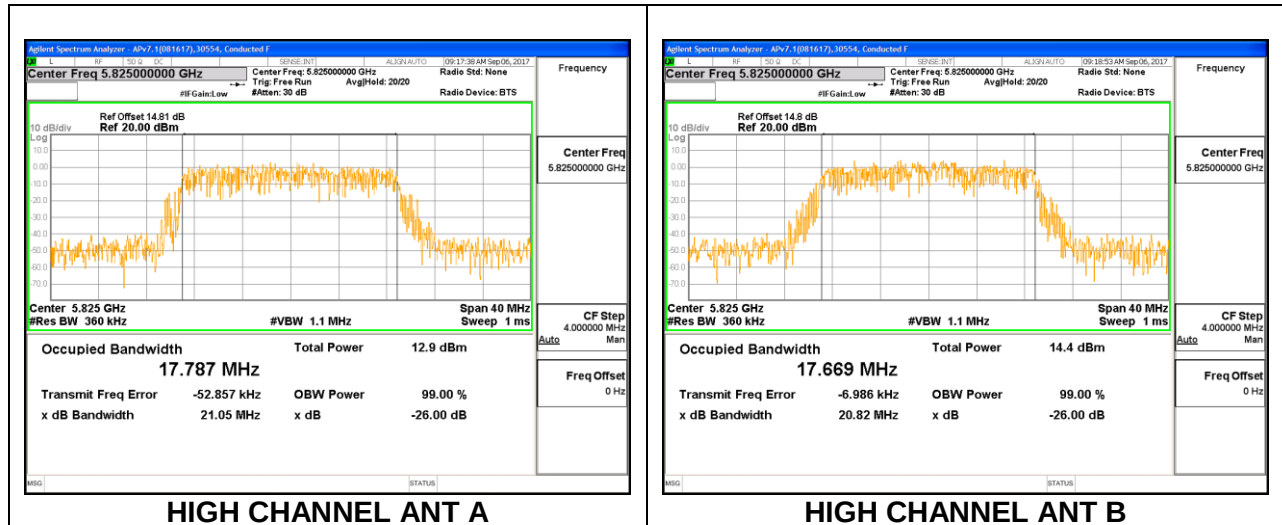
LOW CHANNEL



MID CHANNEL



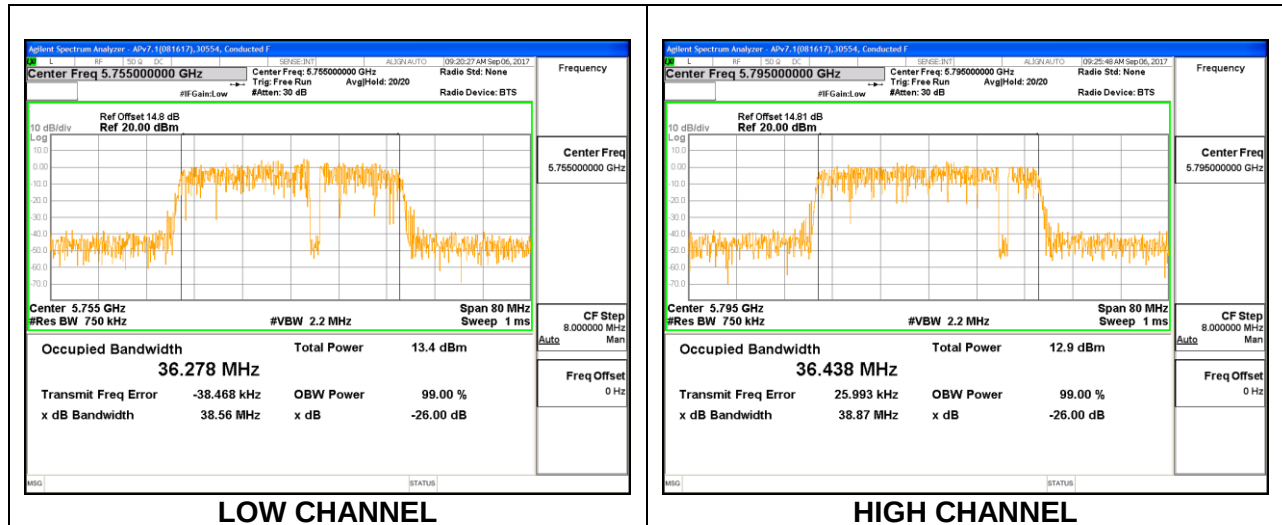
HIGH CHANNEL



10.2.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

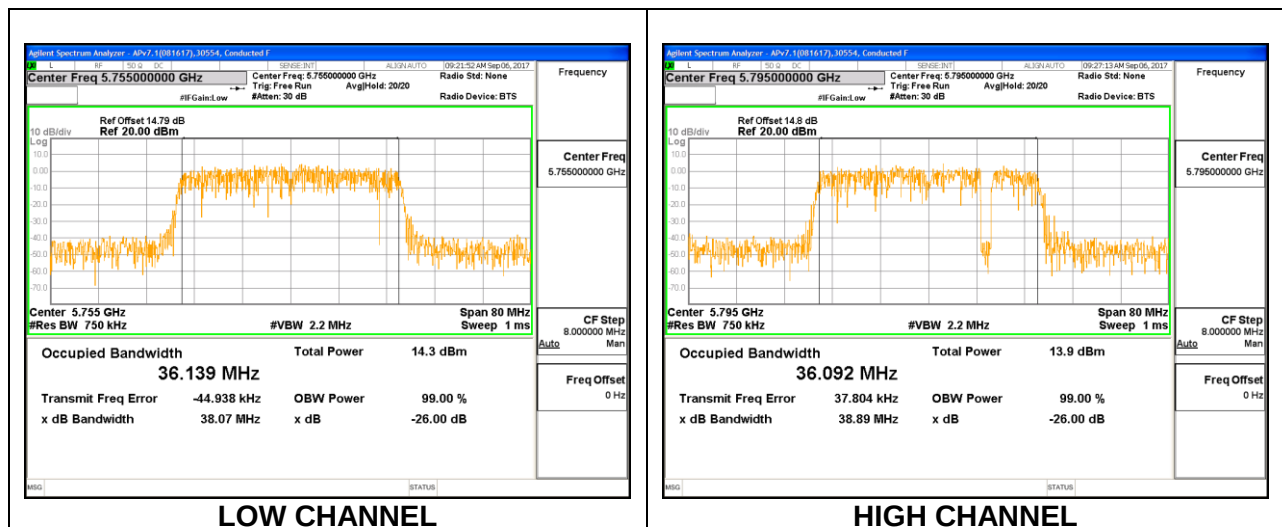
1TX Antenna A

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



1TX Antenna B

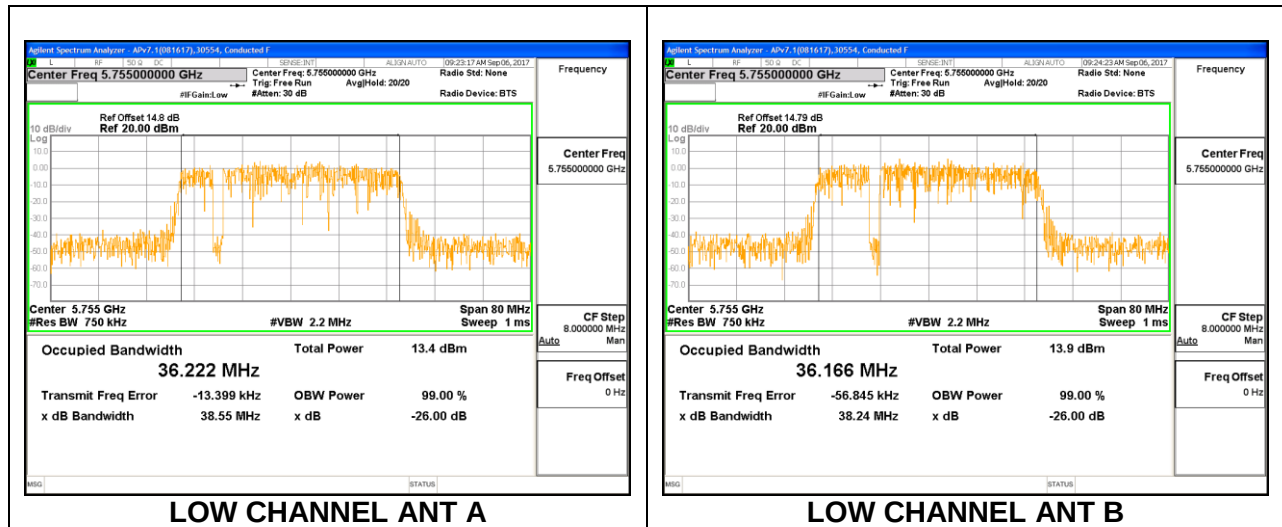
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Low	5755	36.139
High	5795	36.092



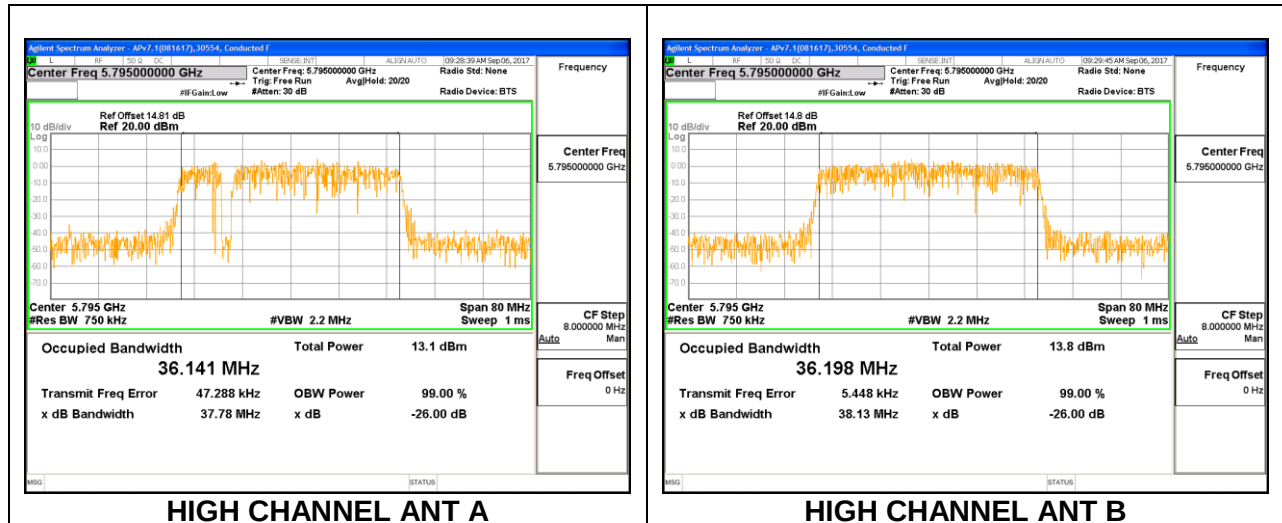
2TX Antenna A + Antenna B CDD MODE

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



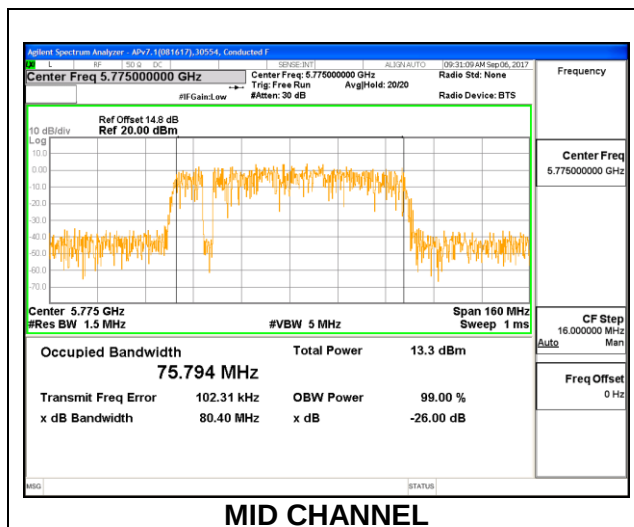
HIGH CHANNEL



10.2.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

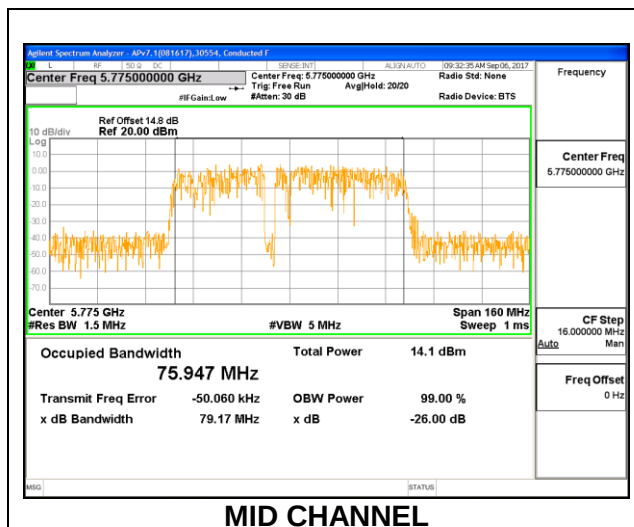
1TX Antenna A

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



1TX Antenna B

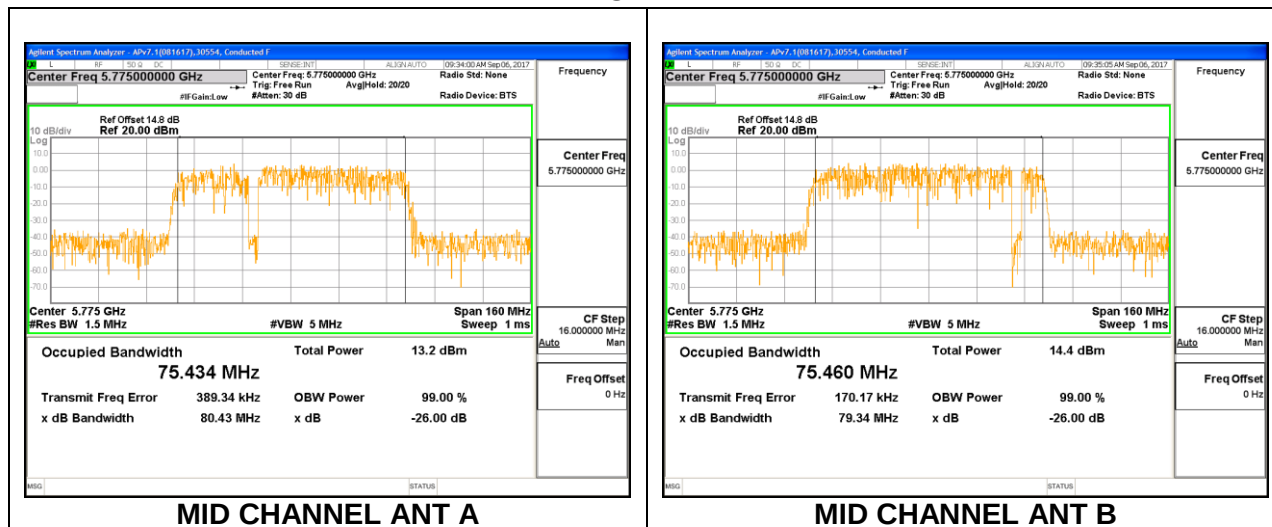
Channel	Frequency	99% Bandwidth
	(MHz)	(MHz)
Mid	5775	75.947



2TX Antenna A + Antenna B CDD MODE

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

MID CHANNEL



10.3. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

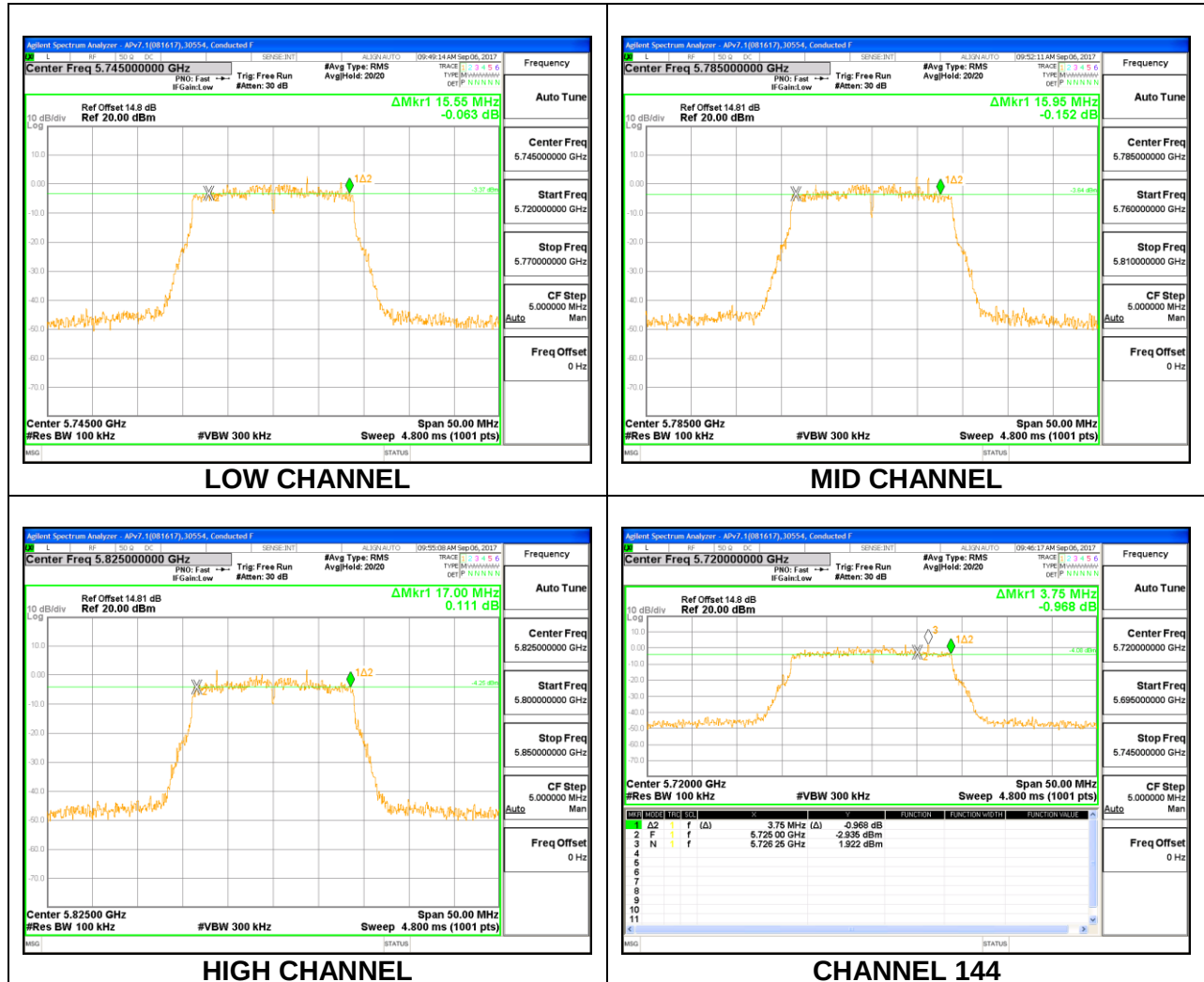
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

10.3.1. 802.11n HT20 MODE IN THE 5.8 GHz BAND

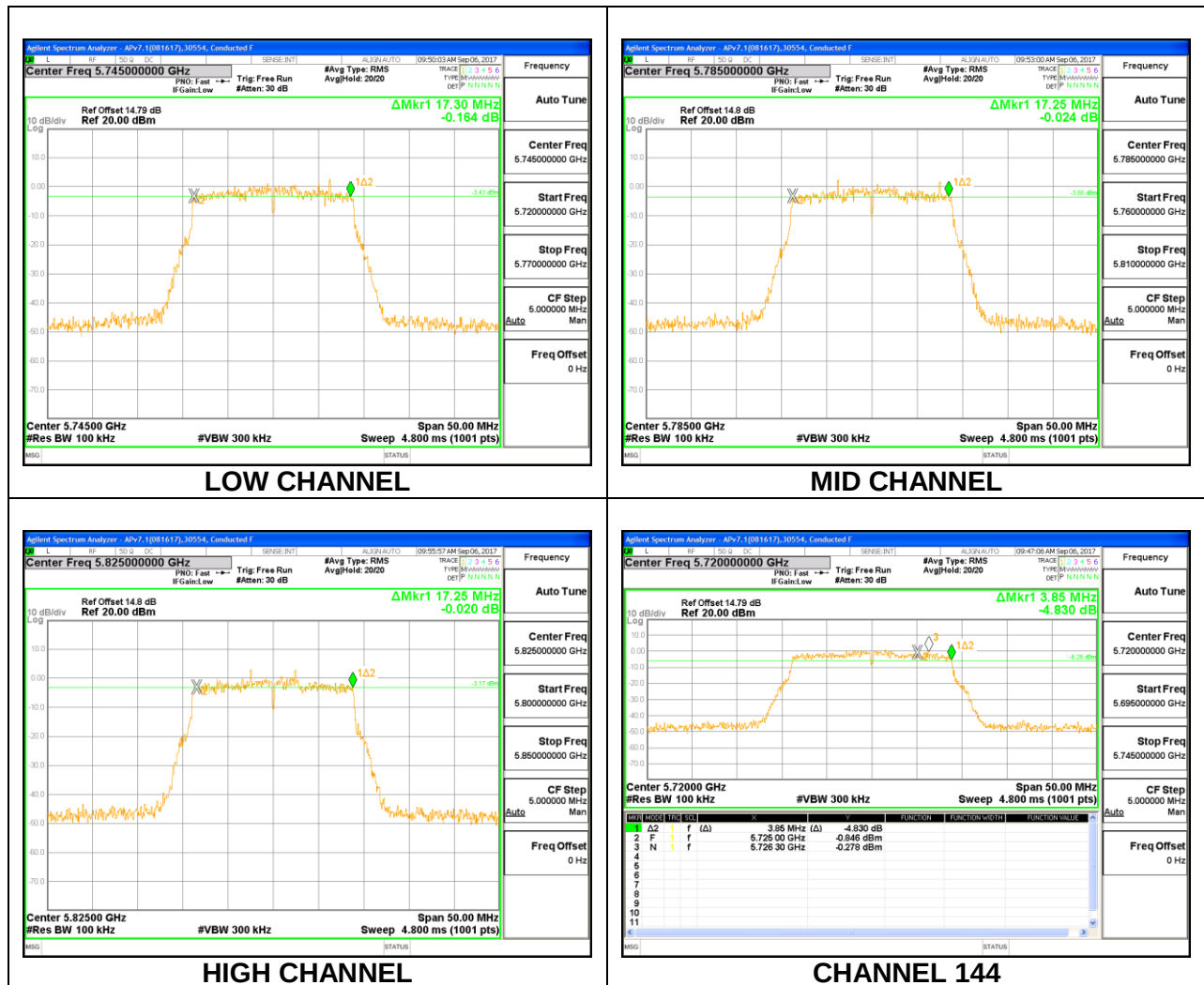
1TX Antenna A

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



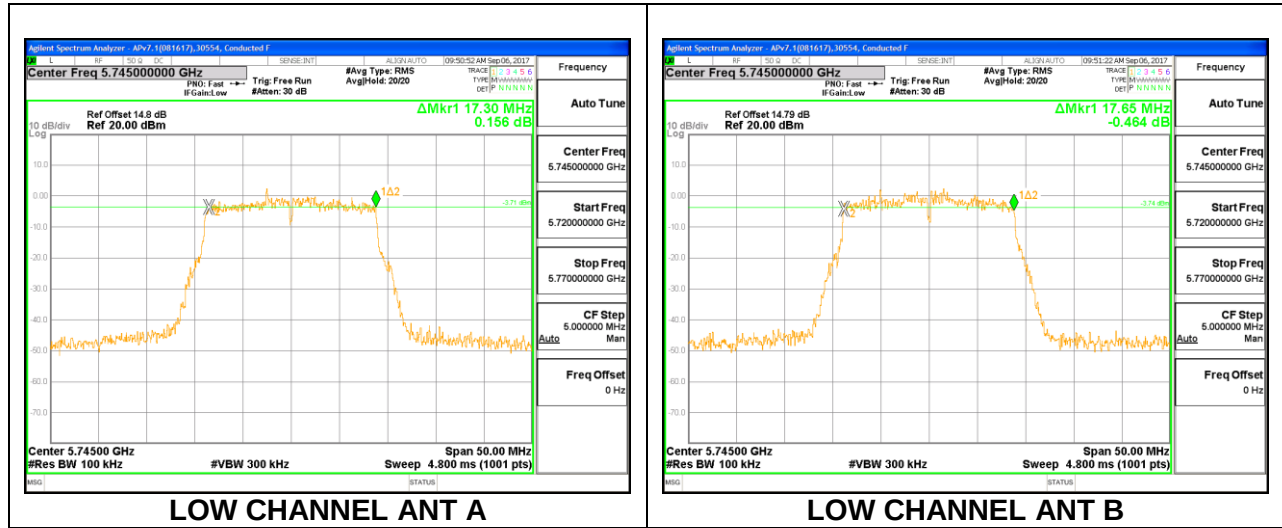
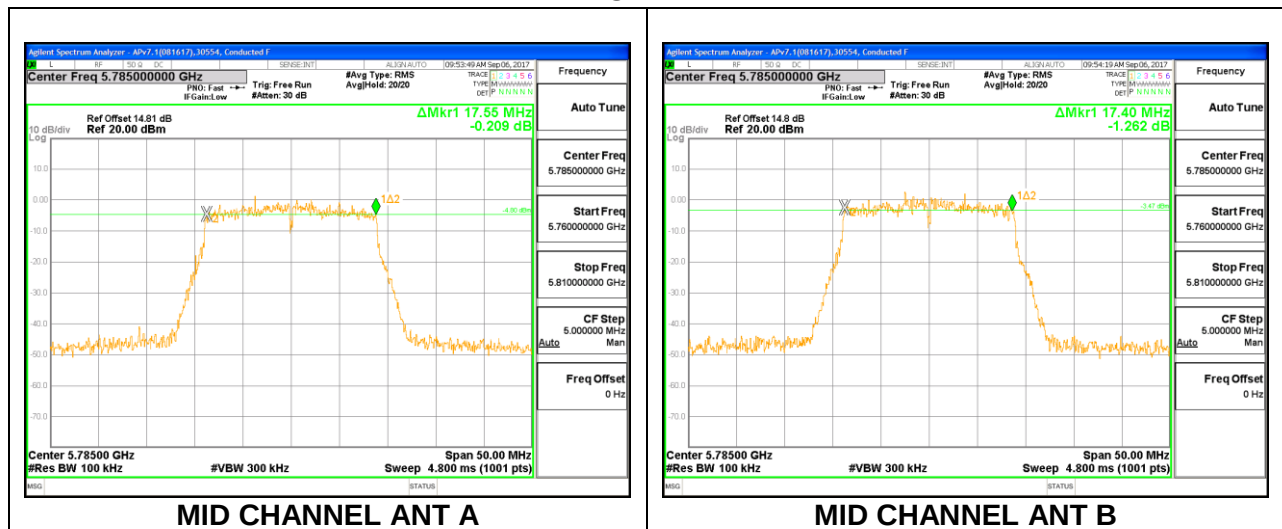
1TX Antenna B

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**

Agilent Spectrum Analyzer - ADP7.10081617.30554, Conducted F

Center Freq 5.825000000 GHz

Ref Offset 14.81 dB
Ref 20.00 dBm

PRO: Fast
IF Gain: Low

Trig: Free Run
#Atten: 30 dB

#Avg Type: RMS
Avg Hold: 2020

TRACE 1 1 2 3 4 5
TYPE: Continuous
DEP: 10/10/10

Frequency

Auto Tune

Center Freq 5.825000000 GHz

Start Freq 5.800000000 GHz

Stop Freq 5.850000000 GHz

CF Step 5.000000 MHz
Auto Man

Frequency Offset 0 Hz

Center 5.82500 GHz
#Res BW 100 kHz

#VBW 300 kHz

Span 50.00 MHz

Sweep 4.800 ms (1001 pts)

162

40.210 dBm

10 dB/div

0.00

10.00

20.00

30.00

40.00

50.00

60.00

70.00

STATUS

HIGH CHANNEL ANT A

Agilent Spectrum Analyzer - ADP7.10081617.30554, Conducted F

Center Freq 5.825000000 GHz

Ref Offset 14.8 dB
Ref 20.00 dBm

PRO: Fast
IF Gain: Low

Trig: Free Run
#Atten: 30 dB

#Avg Type: RMS
Avg Hold: 2020

TRACE 1 1 2 3 4 5
TYPE: Continuous
DEP: 10/10/10

Frequency

Auto Tune

Center Freq 5.825000000 GHz

Start Freq 5.800000000 GHz

Stop Freq 5.850000000 GHz

CF Step 5.000000 MHz
Auto Man

Frequency Offset 0 Hz

Center 5.82500 GHz
#Res BW 100 kHz

#VBW 300 kHz

Span 50.00 MHz

Sweep 4.800 ms (1001 pts)

17.60

40.436 dBm

10 dB/div

0.00

10.00

20.00

30.00

40.00

50.00

60.00

70.00

STATUS

HIGH CHANNEL ANT B

Channel 144 Ant A

Agilent Spectrum Analyzer - Adv7.11081617, 30554, 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 5.000000000 MHz

Center 5.72000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.800 ms (1001 pts)

Span 50.00 MHz
Sweep 4.800 ms (1001 pts)

ΔMkr1 5.15 MHz
-10.207 dB

ΔMkr1 3.85 MHz
-5.337 dB

MARK	MODE	FREQ	DB	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	5.15 MHz	-10.207 dB			
2	F	5.723 GHz	2.227 dBm			
3	N	5.726 GHz	-2.470 dBm			

Freq Offset 0 Hz

Channel 144 Ant B

Agilent Spectrum Analyzer - Adv7.11081617, 30554, 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 5.000000000 MHz

Center 5.72000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.800 ms (1001 pts)

Span 50.00 MHz
Sweep 4.800 ms (1001 pts)

ΔMkr1 3.85 MHz
-5.337 dB

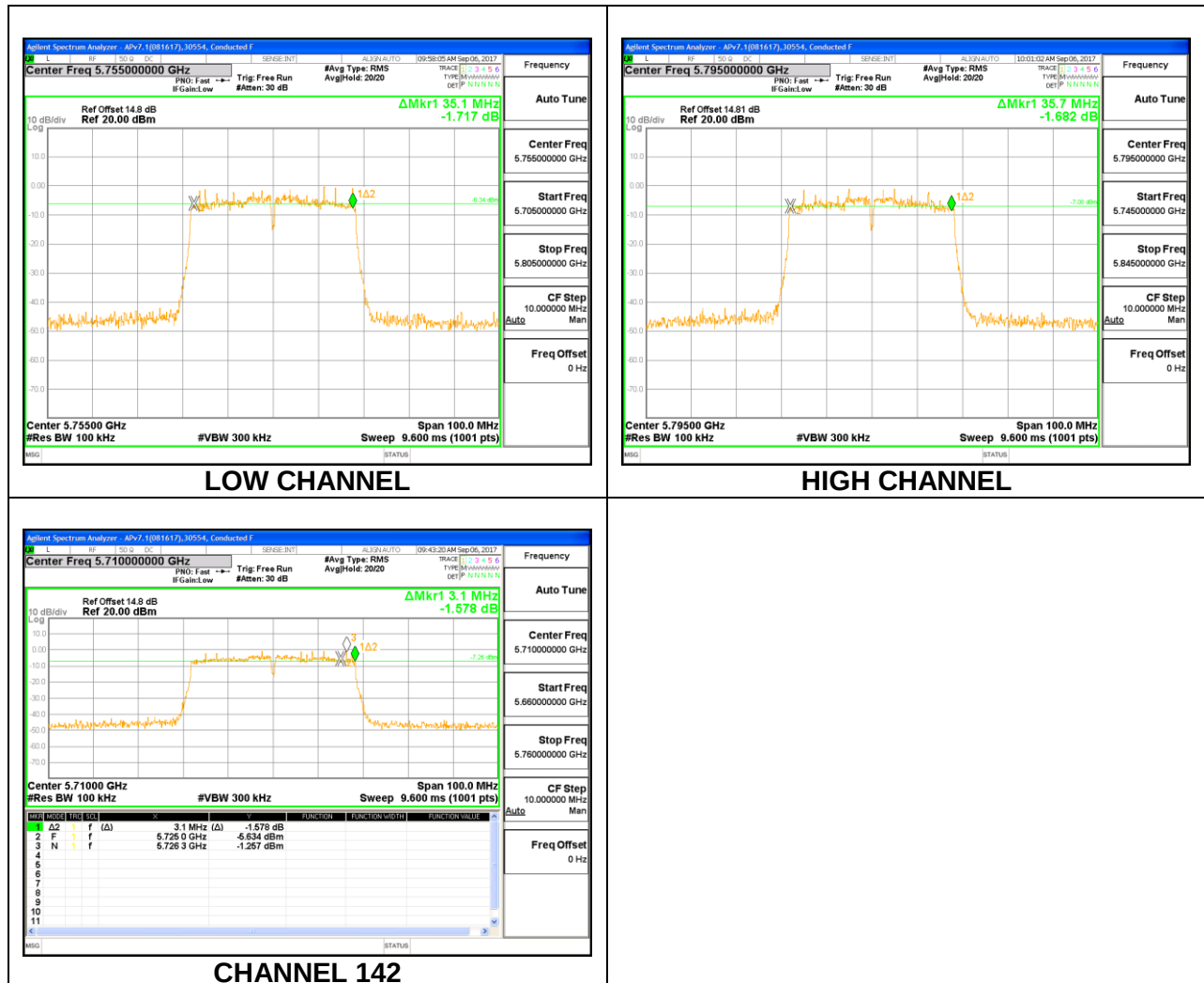
MARK	MODE	FREQ	DB	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	3.85 MHz	-5.337 dB			
2	F	5.726 GHz	0.019 dBm			
3	N	5.726 GHz	1.115 dBm			

Freq Offset 0 Hz

10.3.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

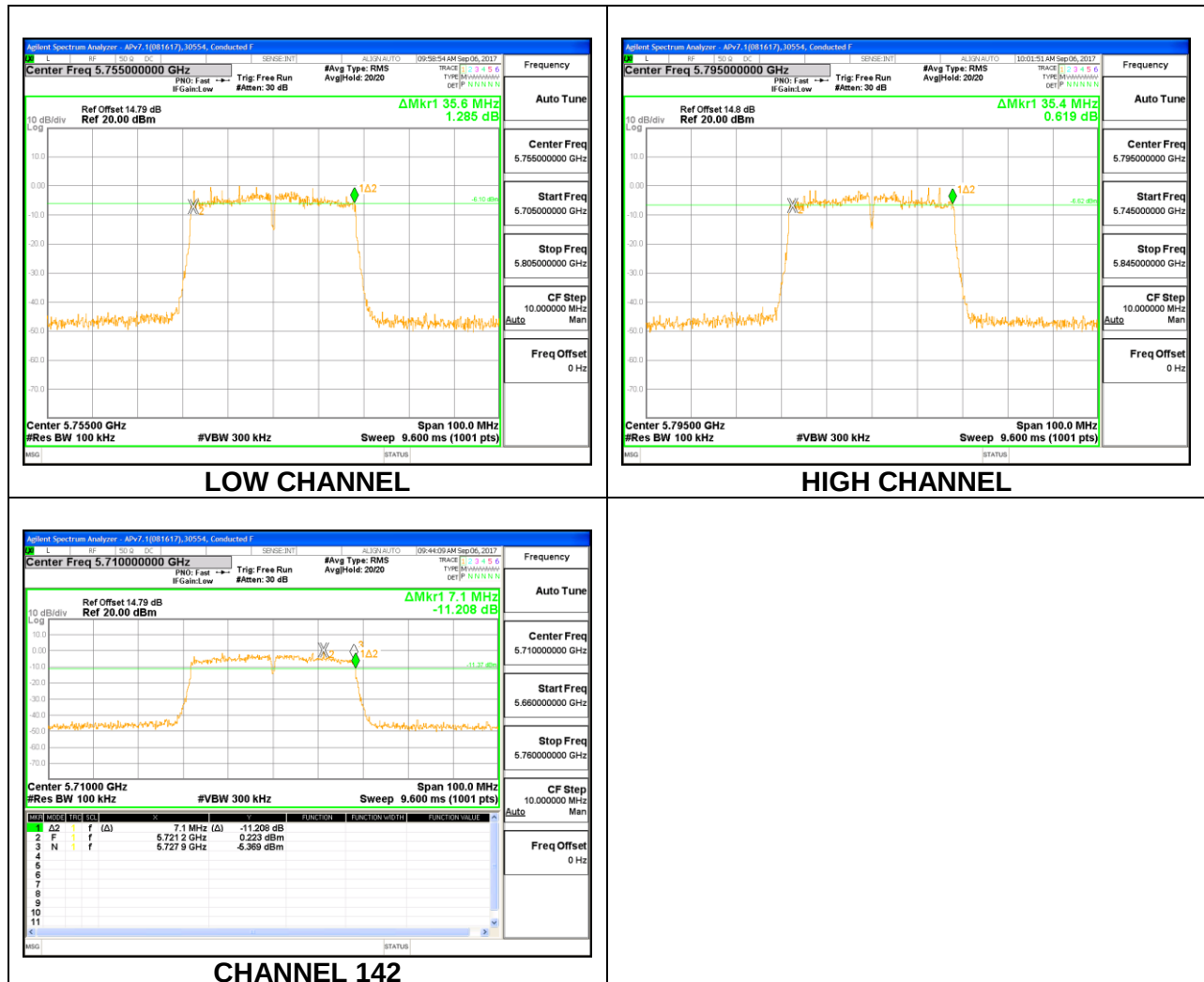
1TX Antenna A

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



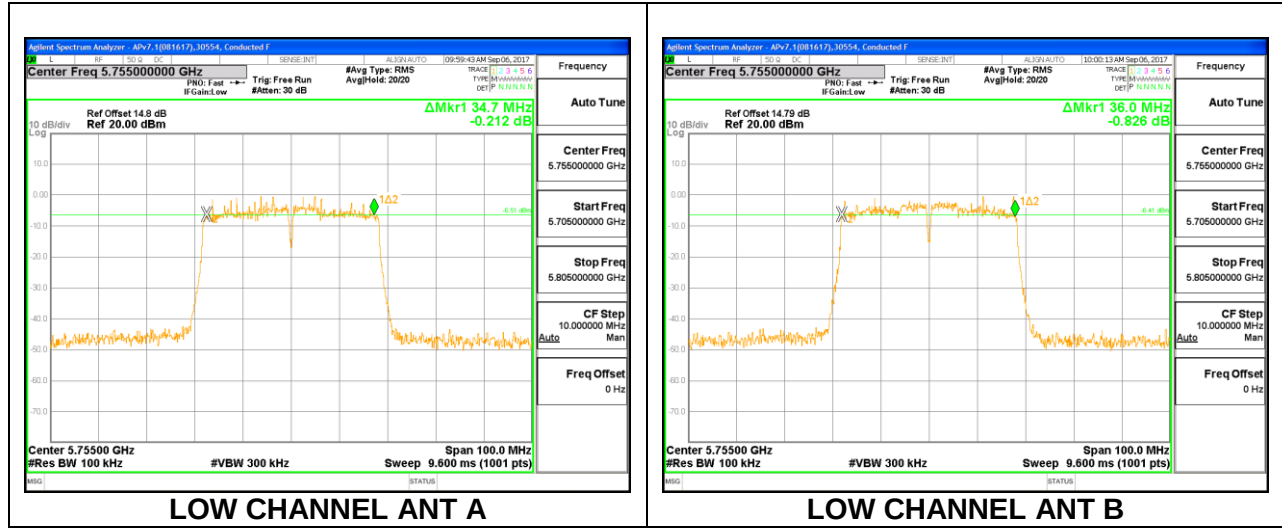
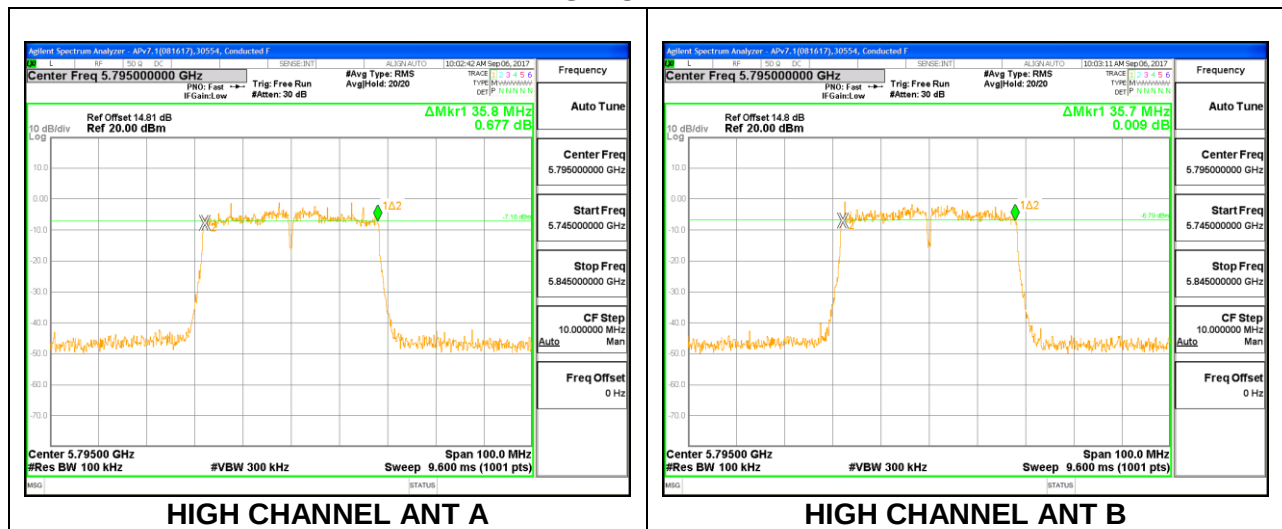
1TX Antenna B

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

