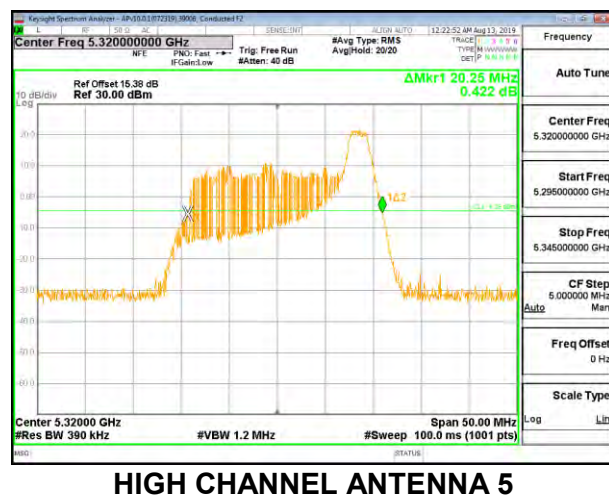
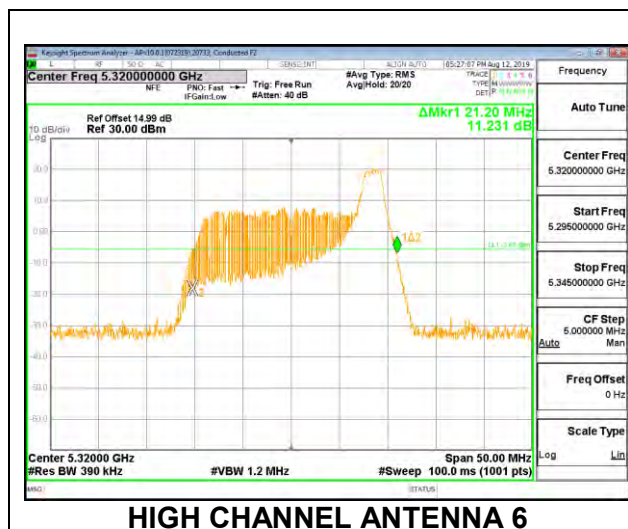


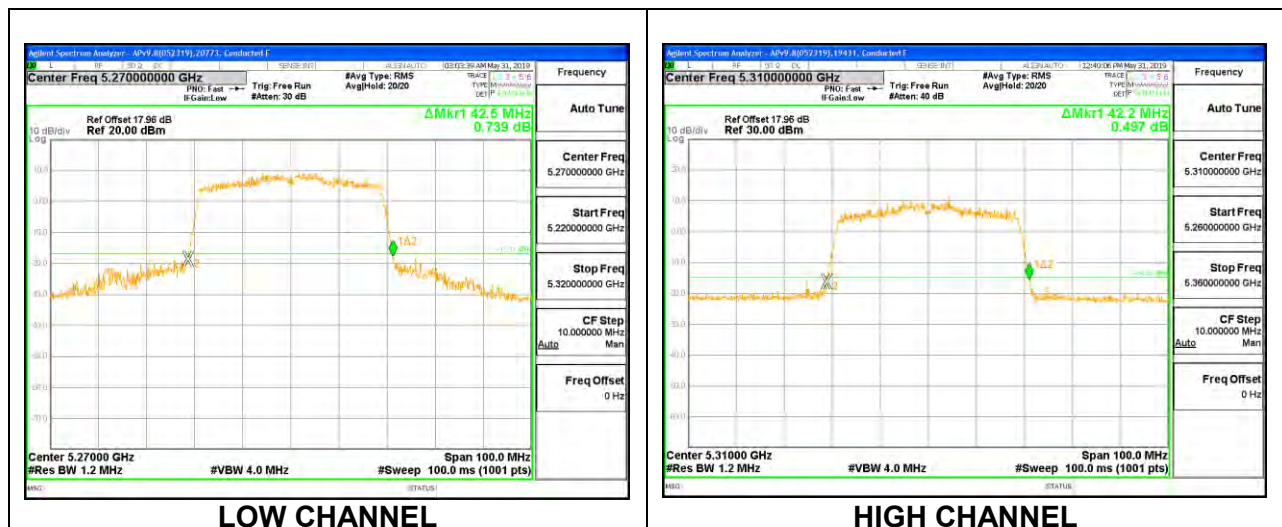
HIGH CHANNEL



8.2.11. 802.11ax HE40 MODE IN THE 5.3 GHz BAND

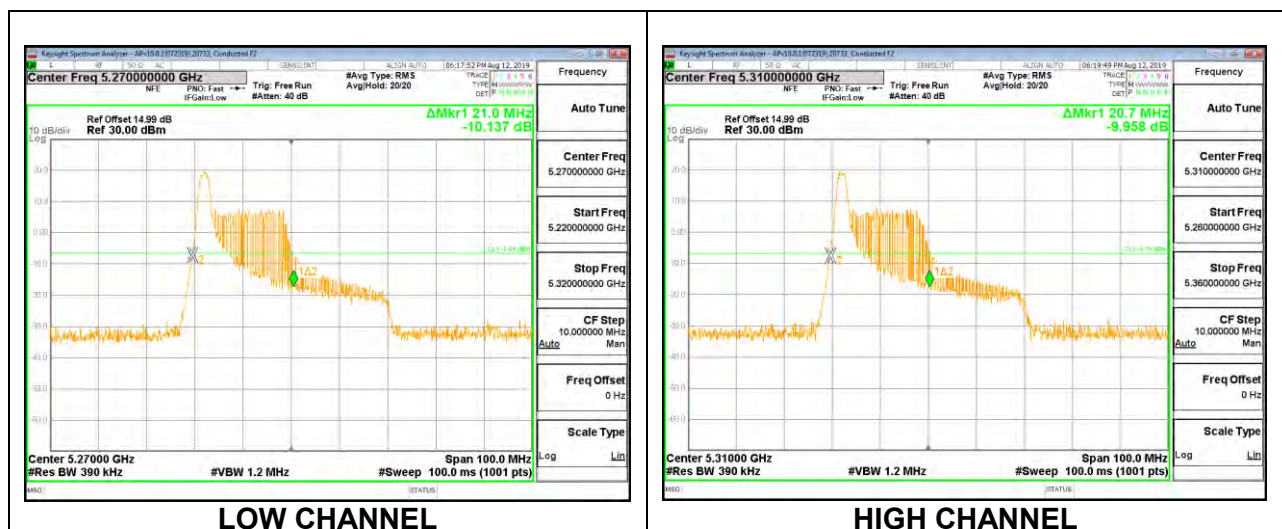
1TX Antenna 6 MODE – 484-Tones, RU Index 65

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5270	42.50
High	5310	42.20



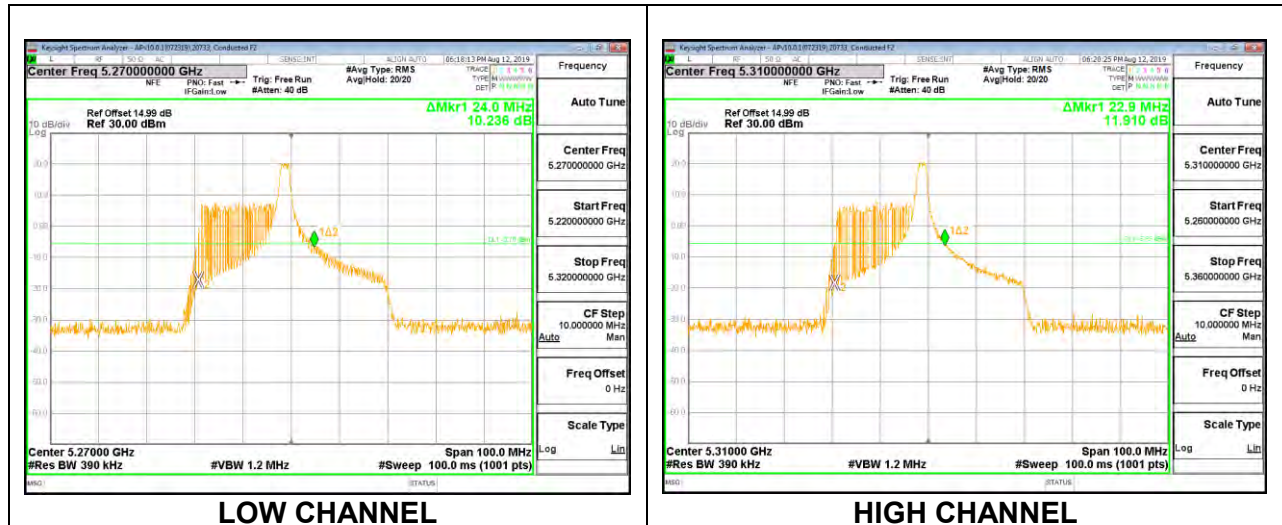
1TX Antenna 6 MODE – 26-Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5270	21.00
High	5310	20.70



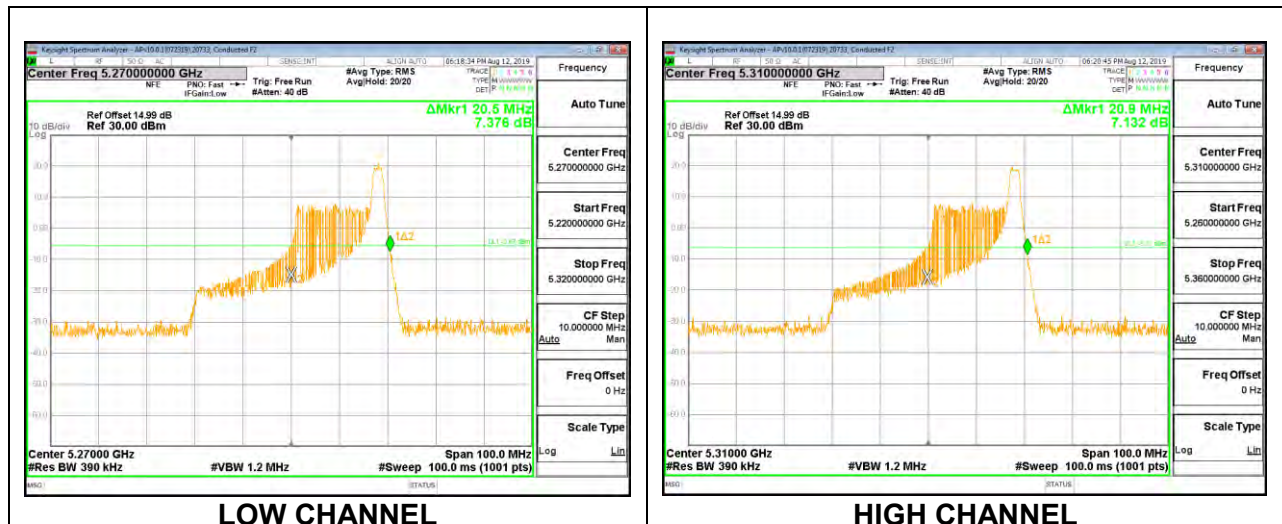
1TX Antenna 6 MODE – 26-Tones, RU Index 8

Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5270	24.00
High	5310	22.90



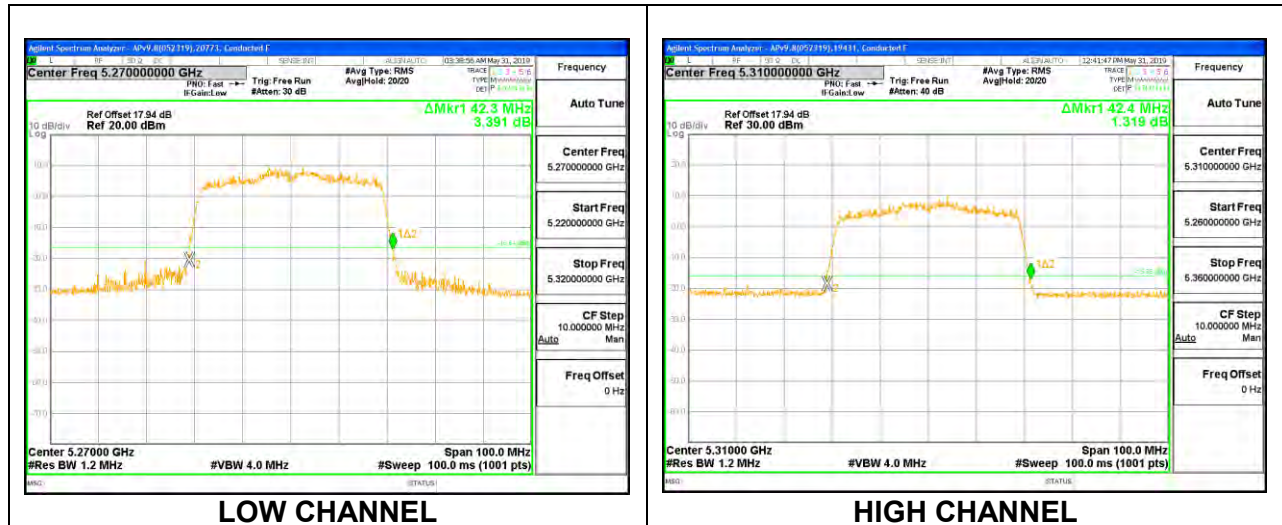
1TX Antenna 6 MODE – 26-Tones, RU Index 17

Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5270	20.50
High	5310	20.90



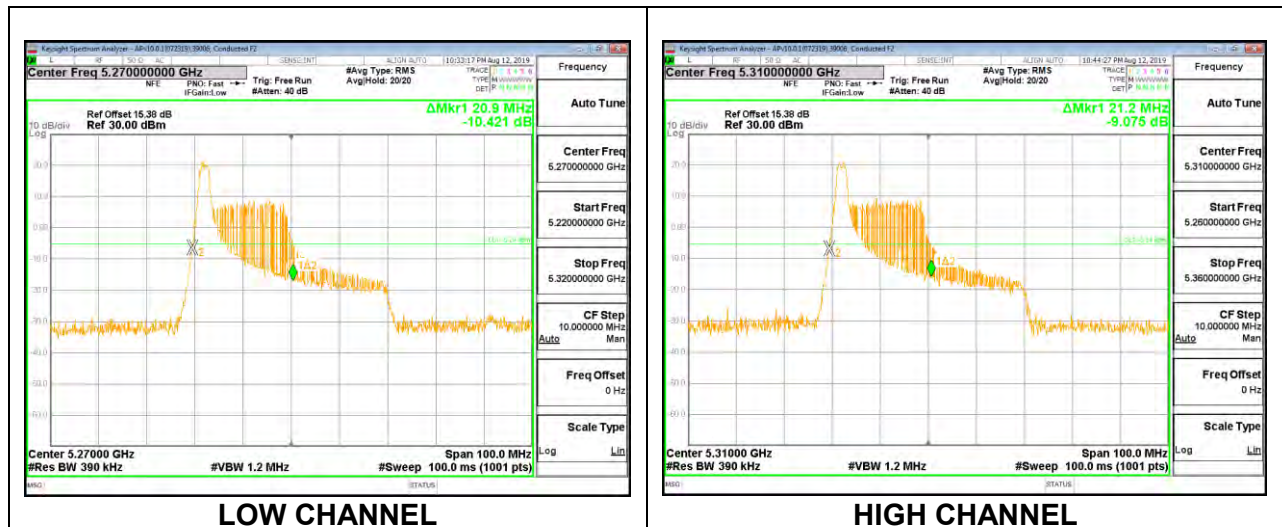
1TX Antenna 5 MODE – 484-Tones, RU Index 65

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5270	42.30
High	5310	42.40



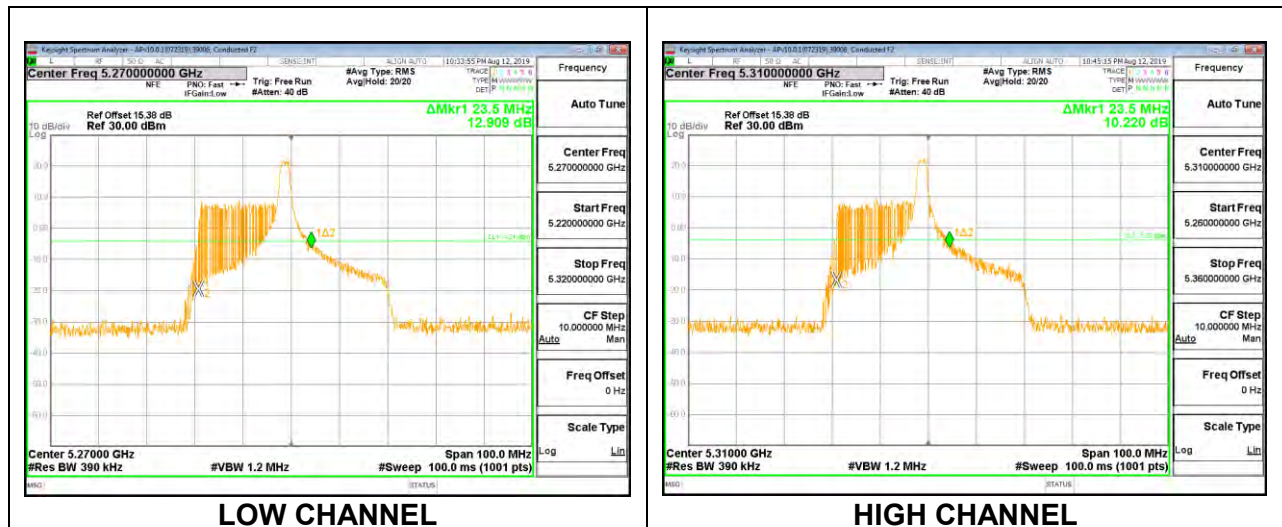
1TX Antenna 5 MODE – 26-Tones, RU Index 0

Channel	Frequency (MHz)	26dB Bandwidth (MHz)
Low	5270	20.90
High	5310	21.20



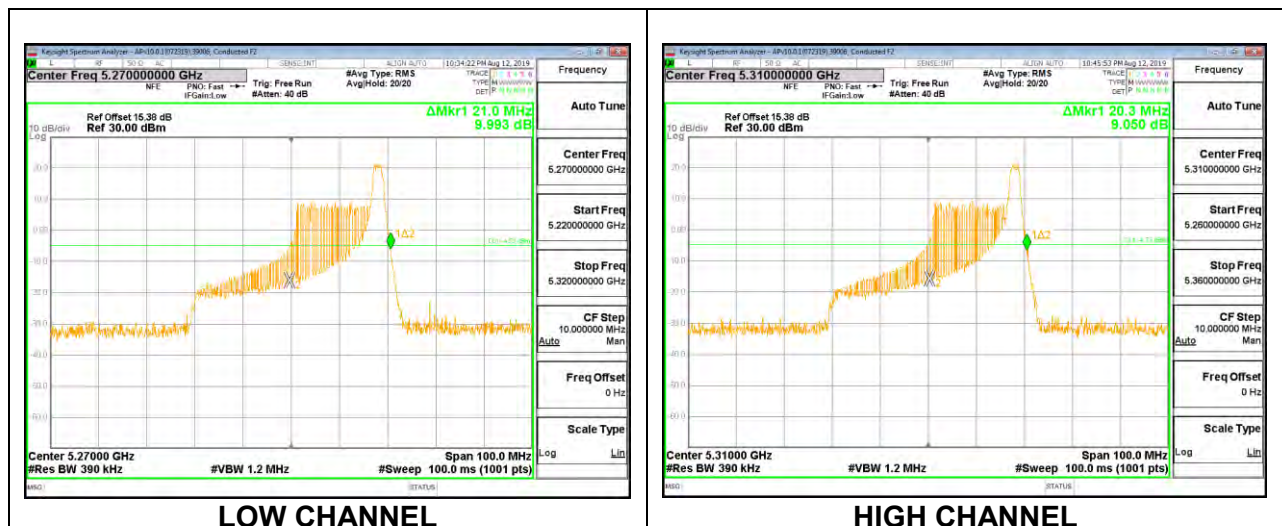
1TX Antenna 5 MODE – 26-Tones, RU Index 8

Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5270	23.50
High	5310	23.50



1TX Antenna 5 MODE – 26-Tones, RU Index 17

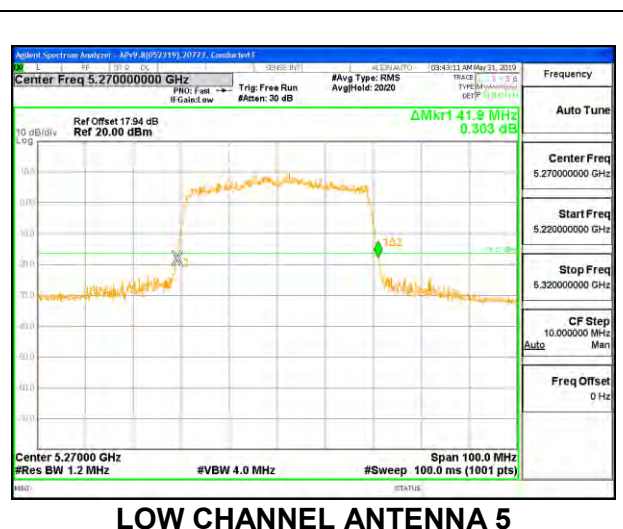
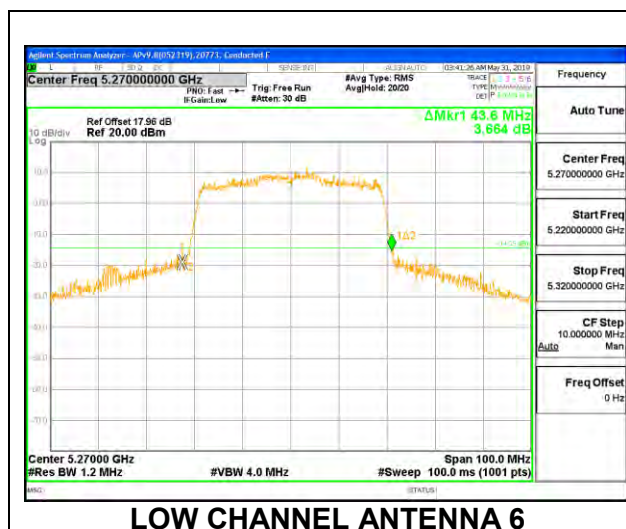
Channel	Frequency	26dB Bandwidth
	(MHz)	(MHz)
Low	5270	21.00
High	5310	20.30



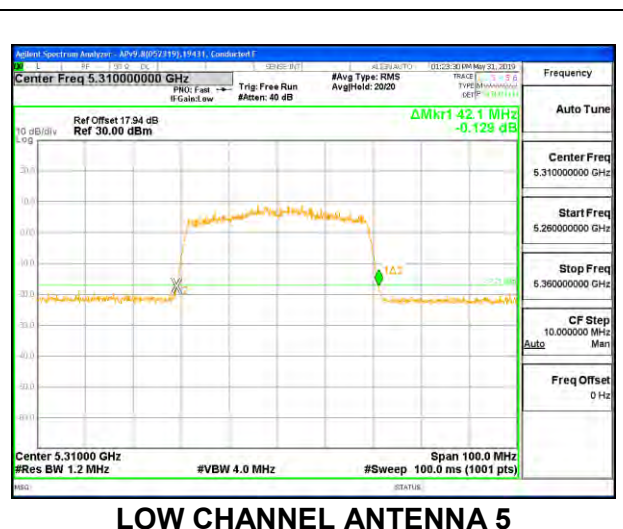
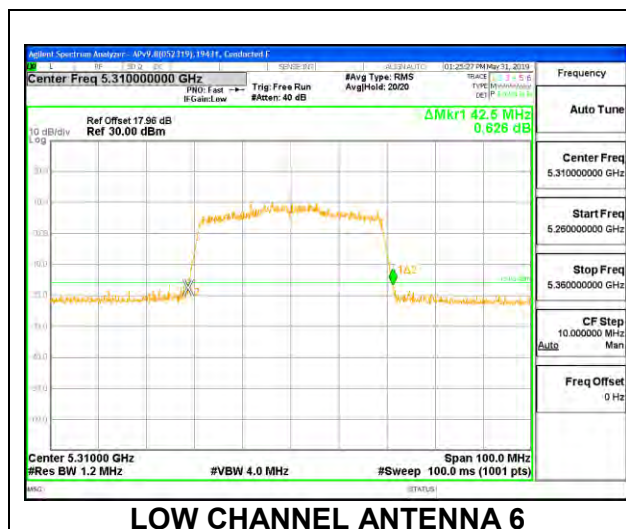
2TX Antenna 6 + Antenna 5 OFDMA MODE – 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5270	43.60	41.90
High	5310	42.50	42.10

LOW CHANNEL



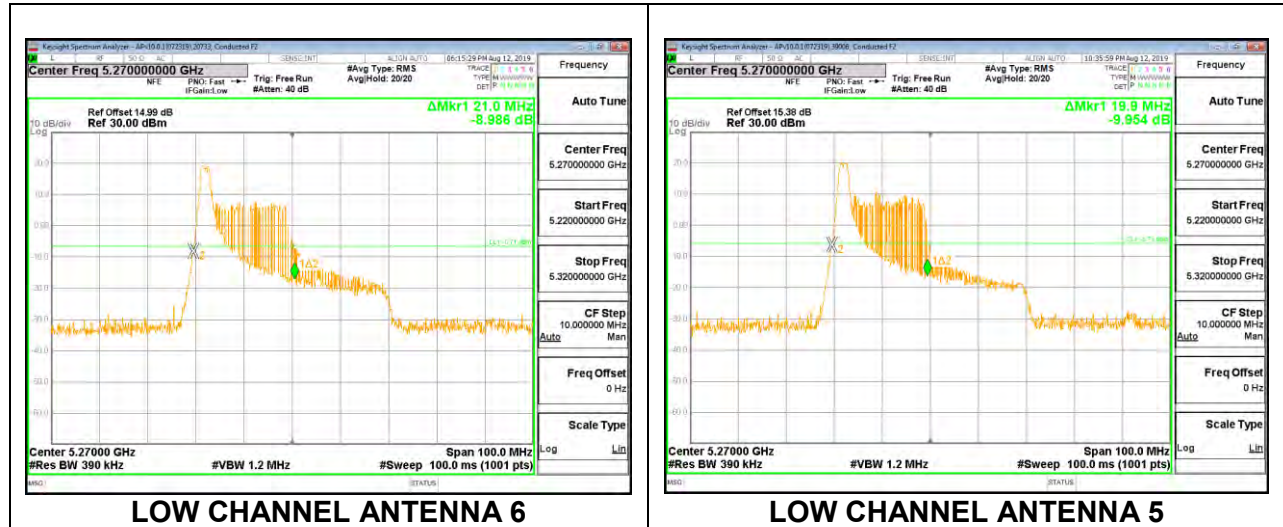
HIGH CHANNEL



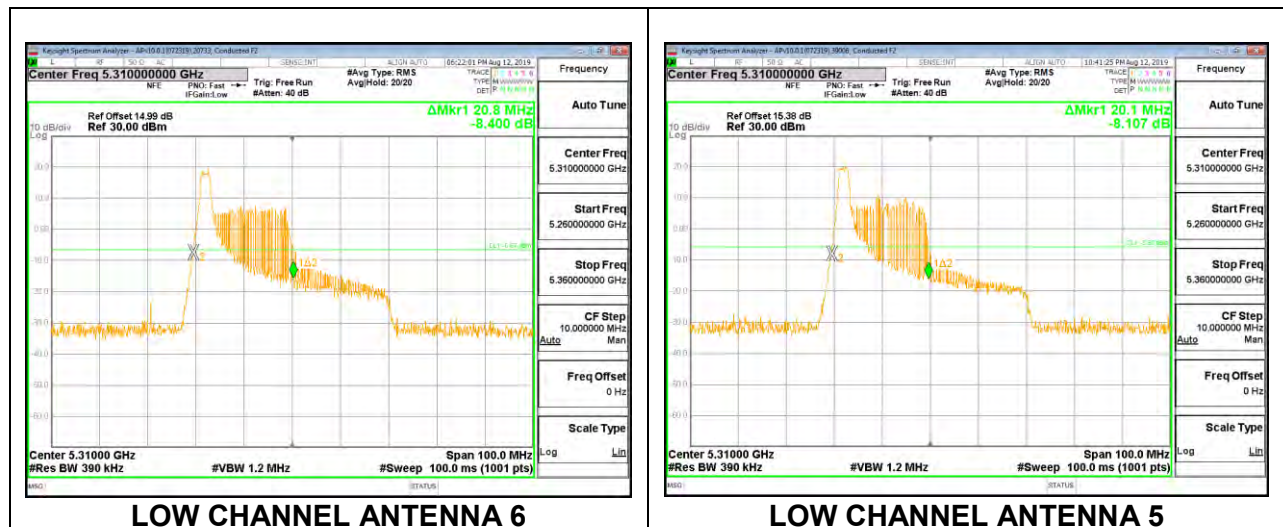
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5270	21.00	19.90
High	5310	20.80	20.10

LOW CHANNEL



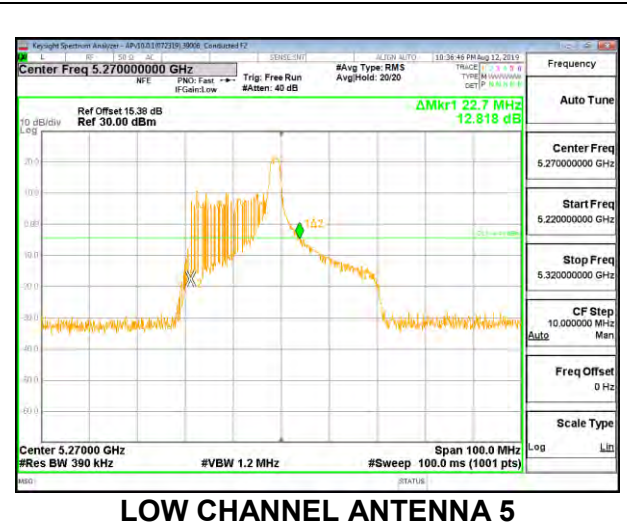
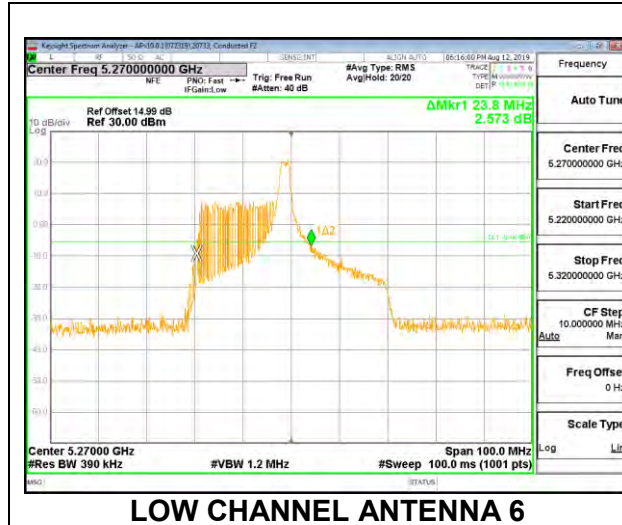
HIGH CHANNEL



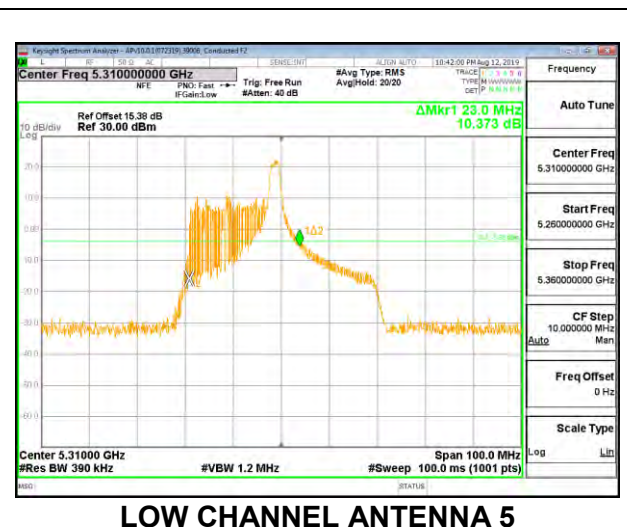
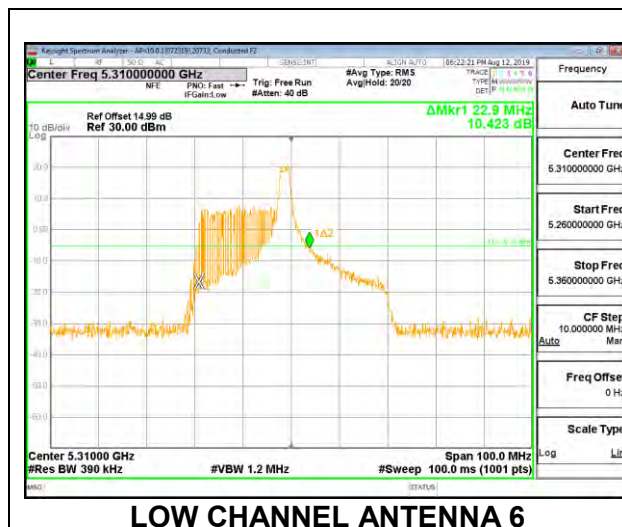
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5270	23.80	22.70
High	5310	22.90	23.00

LOW CHANNEL



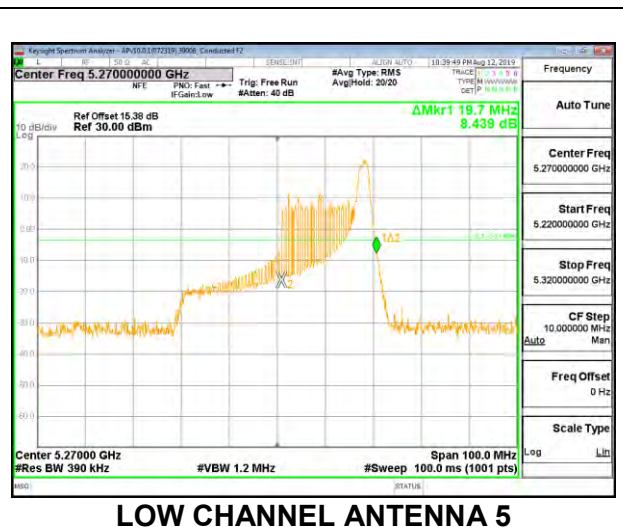
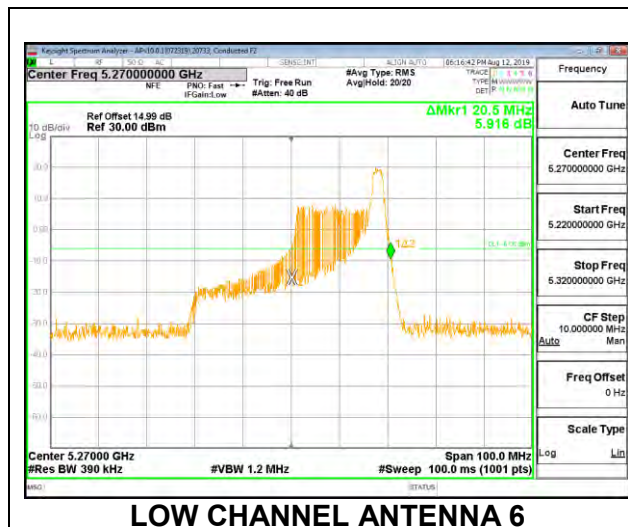
HIGH CHANNEL



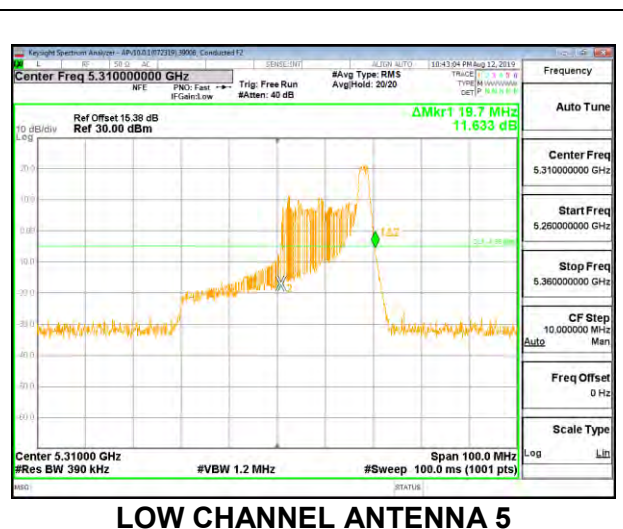
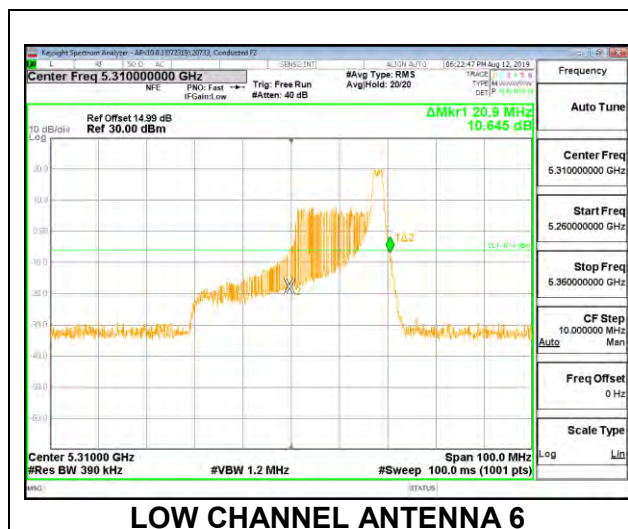
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 17

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5270	20.50	19.70
High	5310	20.90	19.70

LOW CHANNEL



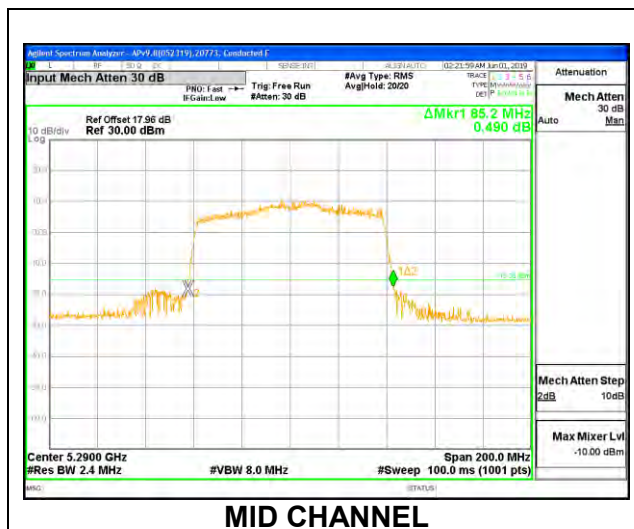
HIGH CHANNEL



8.2.12. 802.11ax HE80 MODE IN THE 5.3 GHz BAND

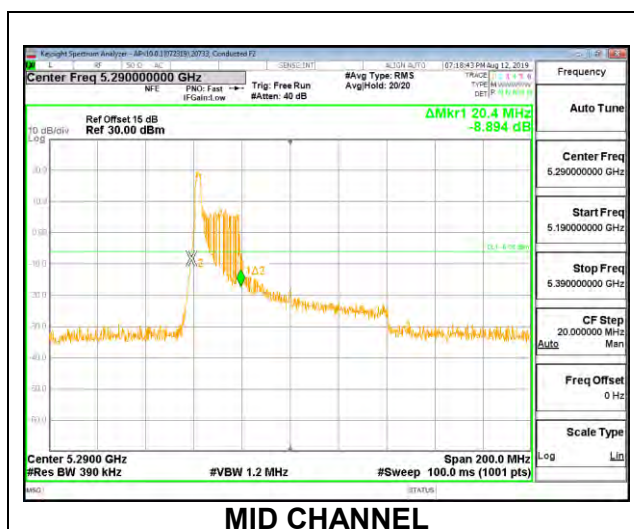
1TX Antenna 6 MODE – 996-Tones, RU Index 67

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	85.20



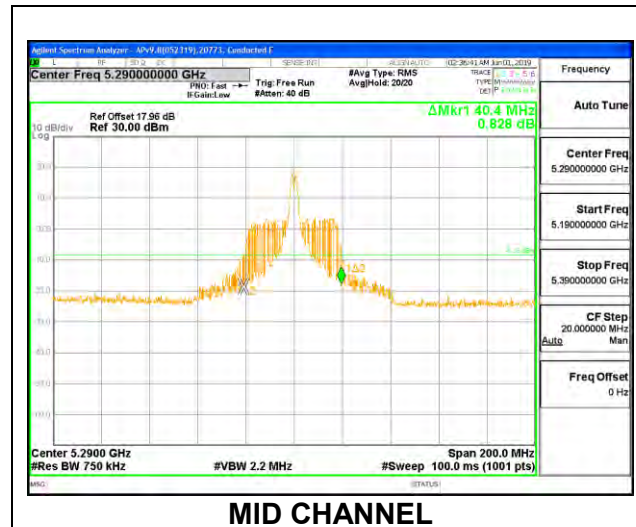
1TX Antenna 6 MODE – 26-Tones, RU Index 0

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	20.40



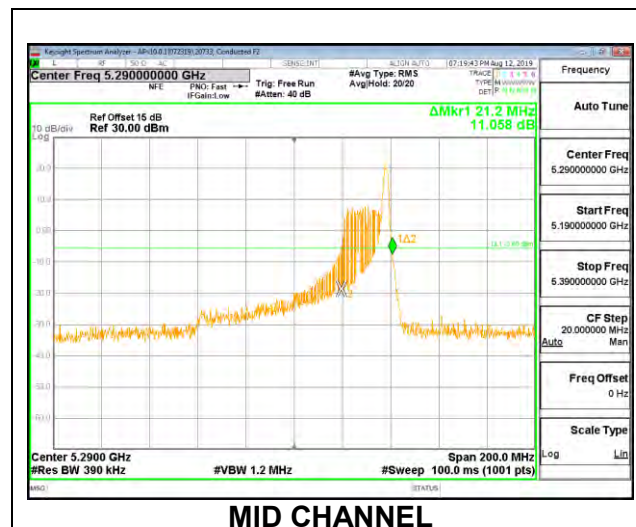
1TX Antenna 6 MODE – 26-Tones, RU Index 18

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	40.40



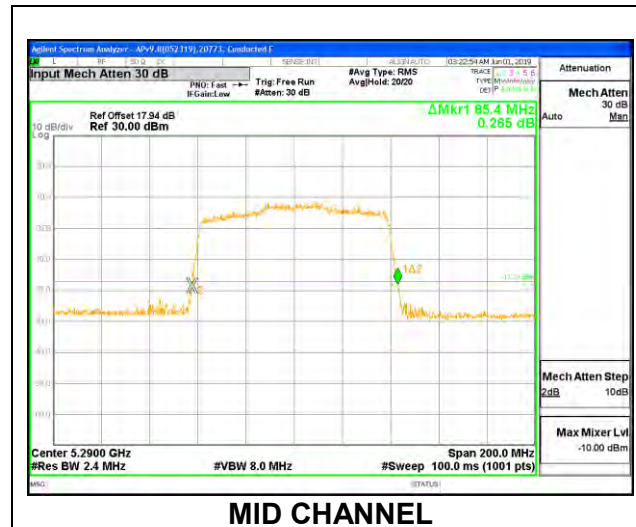
1TX Antenna 6 MODE – 26-Tones, RU Index 36

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	21.20



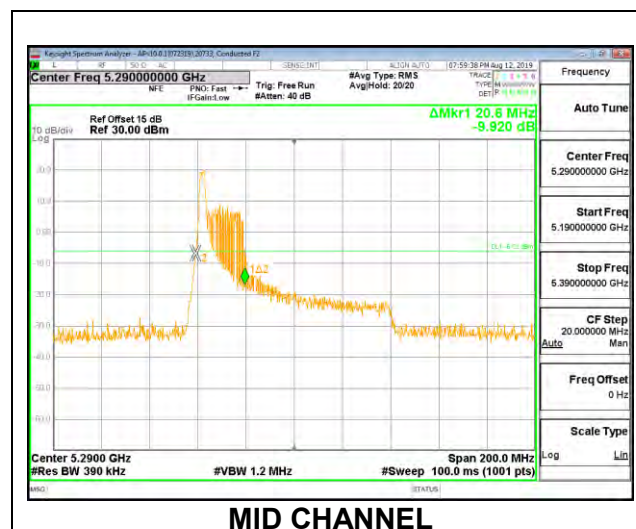
1TX Antenna 5 MODE – 996-Tones, RU Index 67

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	85.40



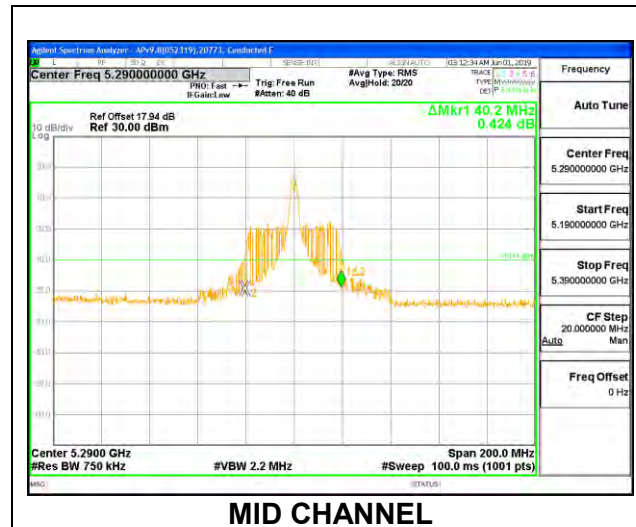
1TX Antenna 5 MODE – 26-Tones, RU Index 0

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	20.60



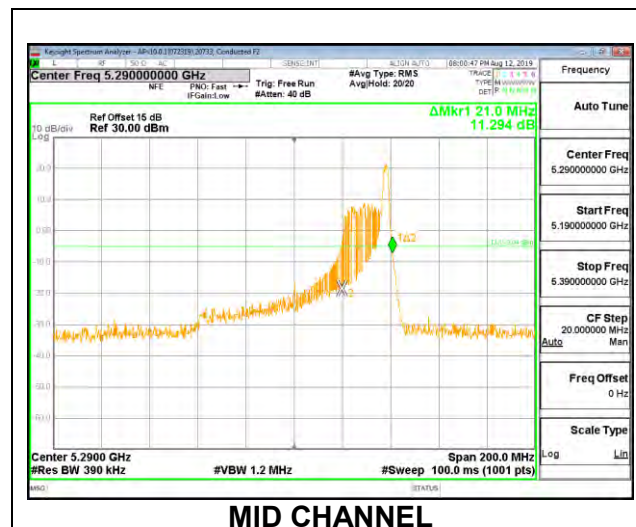
1TX Antenna 5 MODE – 26-Tones, RU Index 18

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	40.20



1TX Antenna 5 MODE – 26-Tones, RU Index 36

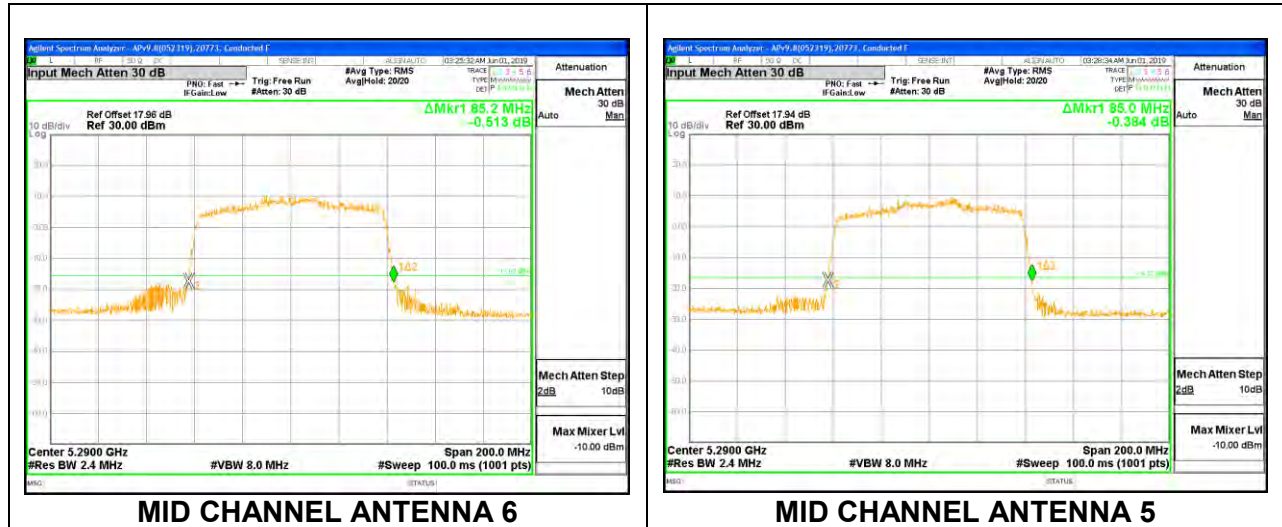
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Mid	5290	21.00



2TX Antenna 6 + Antenna 5 OFDMA MODE – 996-Tones, RU Index 67

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Mid	5290	85.20	85.00

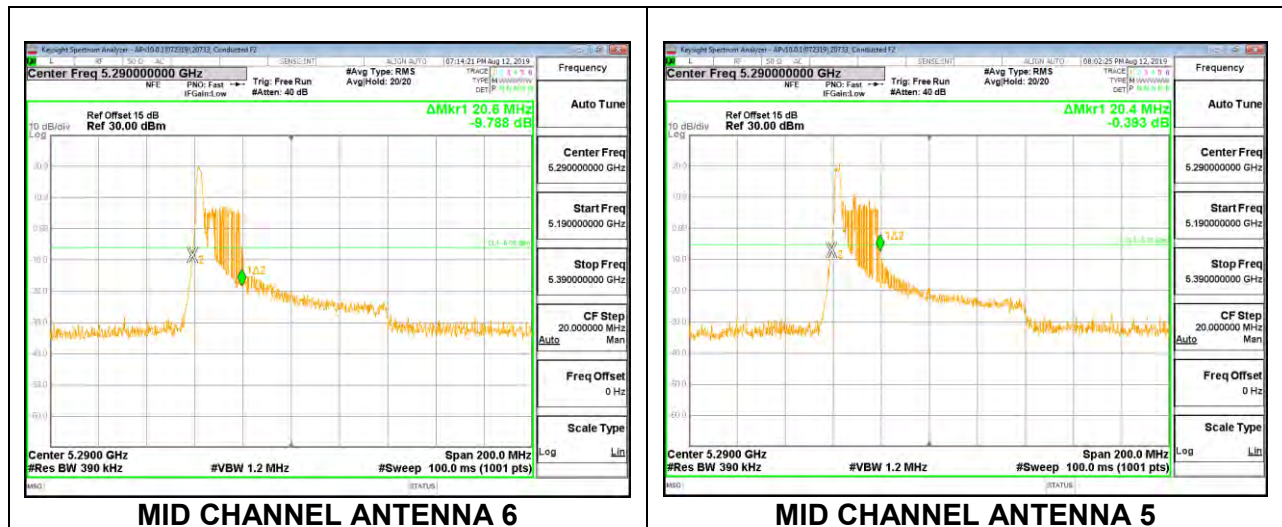
MID CHANNEL



2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Mid	5290	20.60	20.40

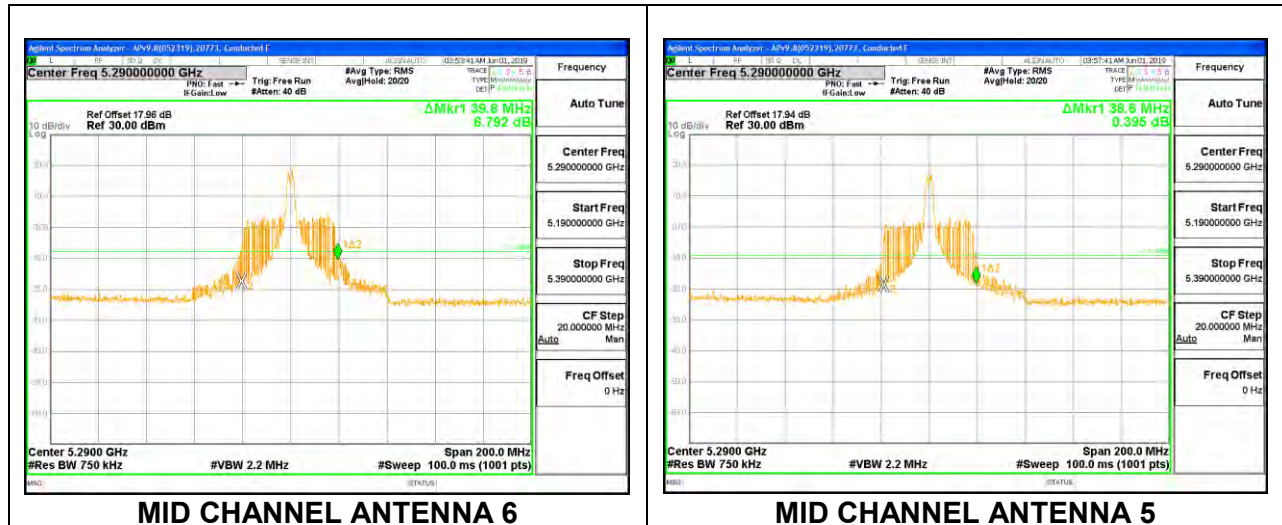
MID CHANNEL



2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 18

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Mid	5290	39.80	38.60

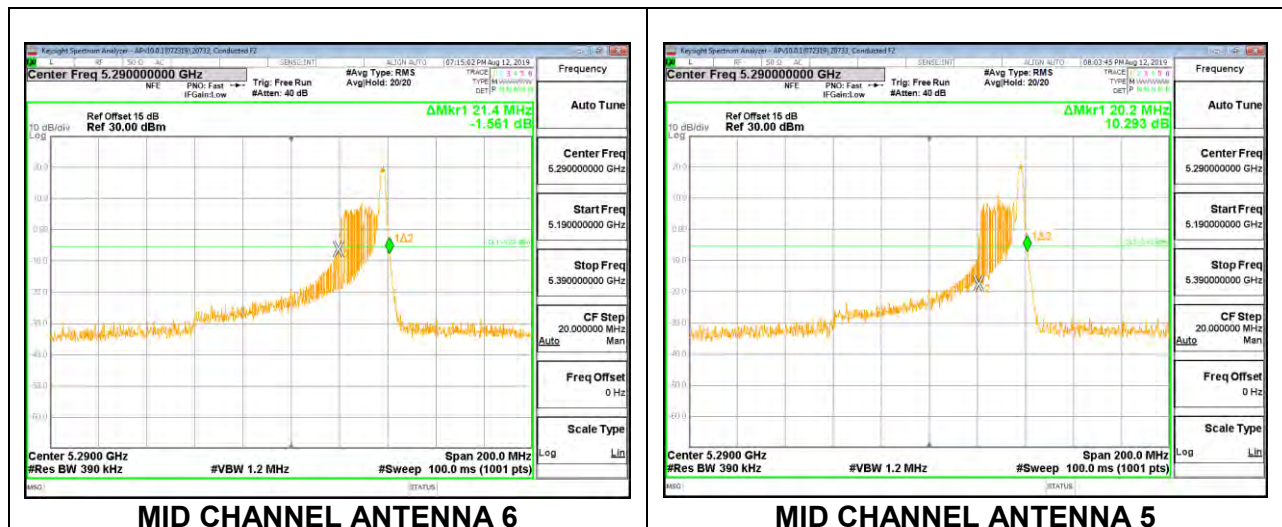
MID CHANNEL



2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 36

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Mid	5290	21.40	20.20

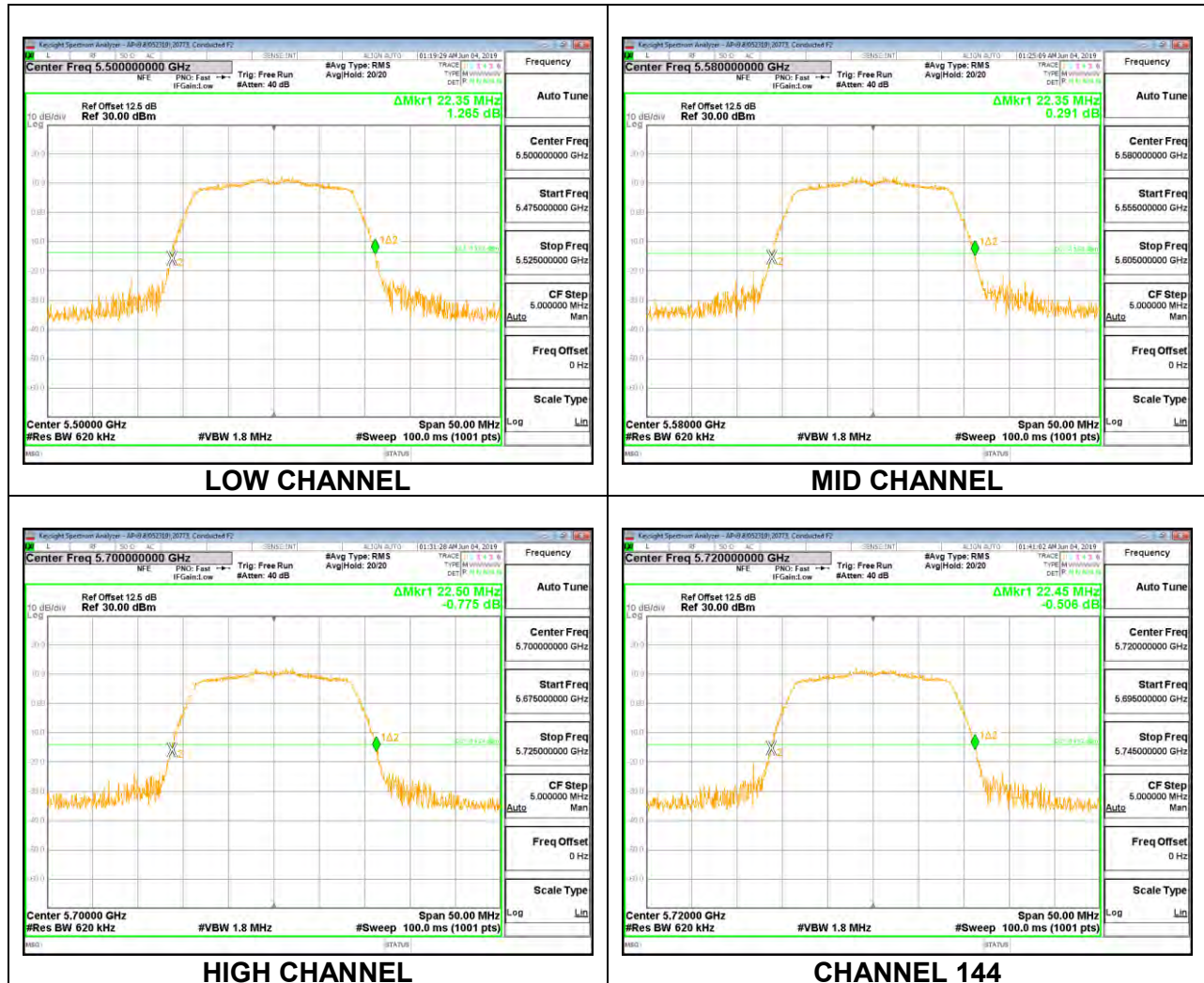
MID CHANNEL



8.2.13. 802.11n HT20 MODE IN THE 5.6 GHz BAND

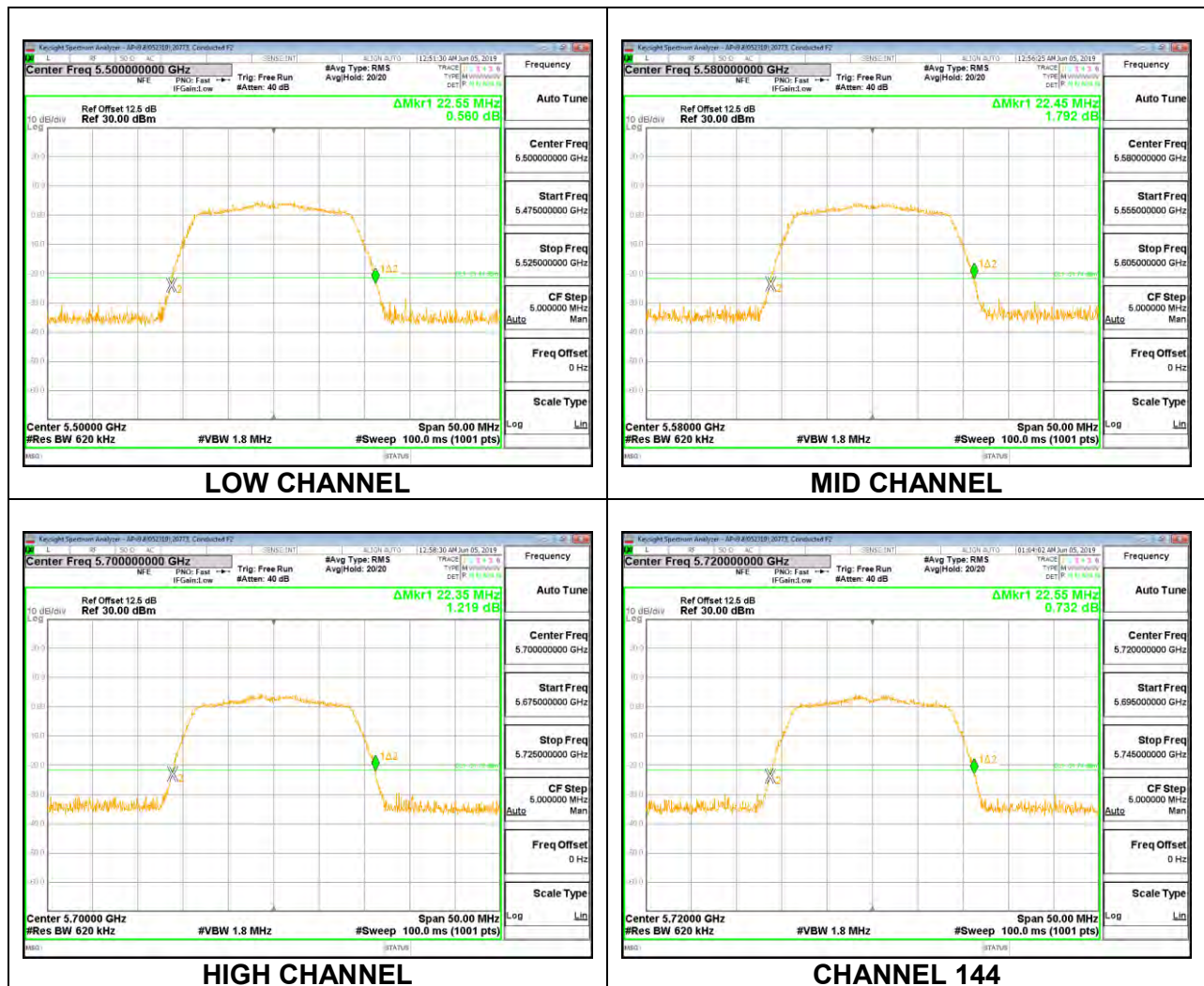
1TX Antenna 6 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5500	22.35
Mid	5580	22.35
High	5700	22.50
144	5720	22.45



1TX Antenna 5 MODE

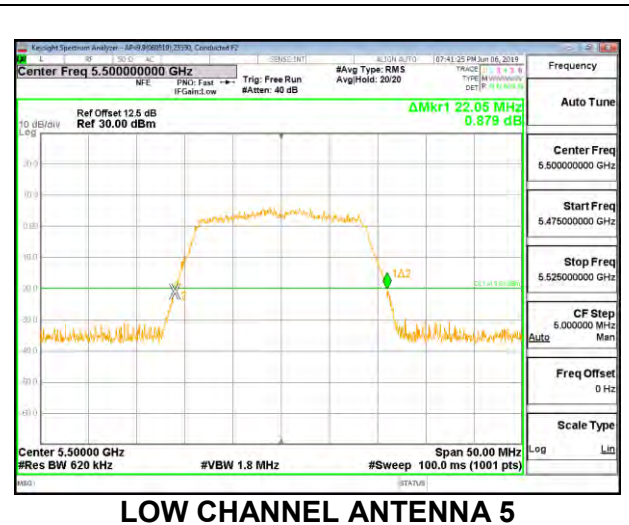
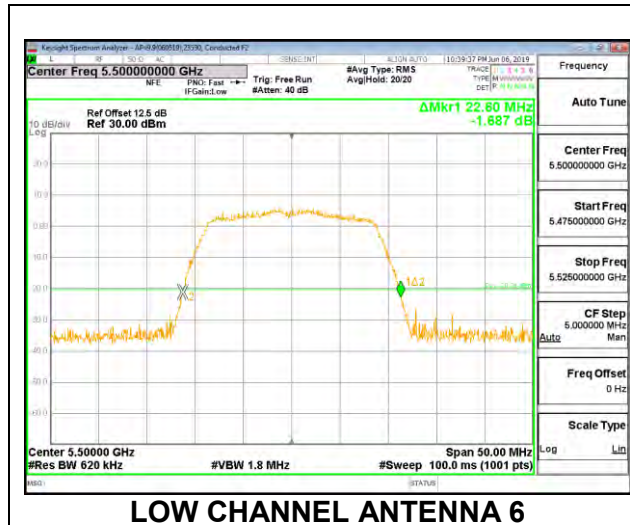
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5500	22.55
Mid	5580	22.45
High	5700	22.35
144	5720	22.55



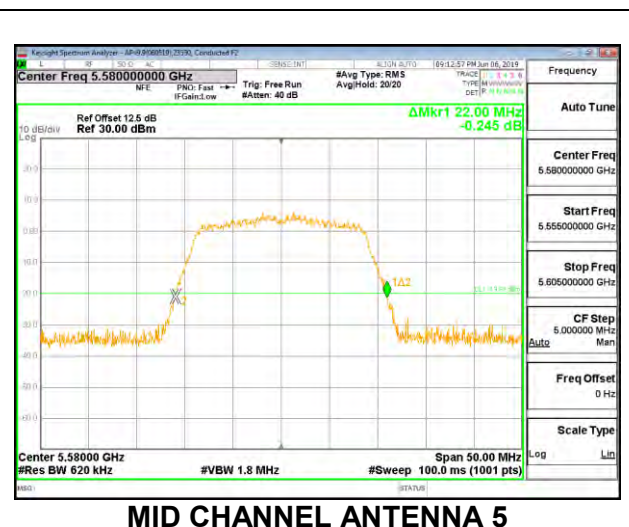
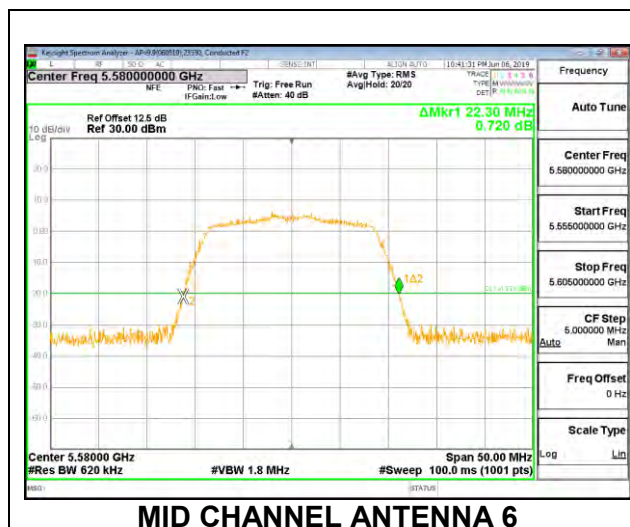
2TX Antenna 6 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5500	22.60	22.05
Mid	5580	22.30	22.00
High	5700	22.50	22.00
144	5720	22.50	21.95

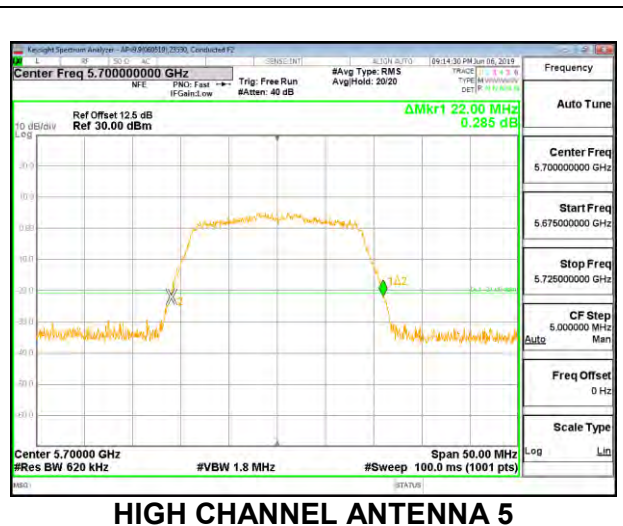
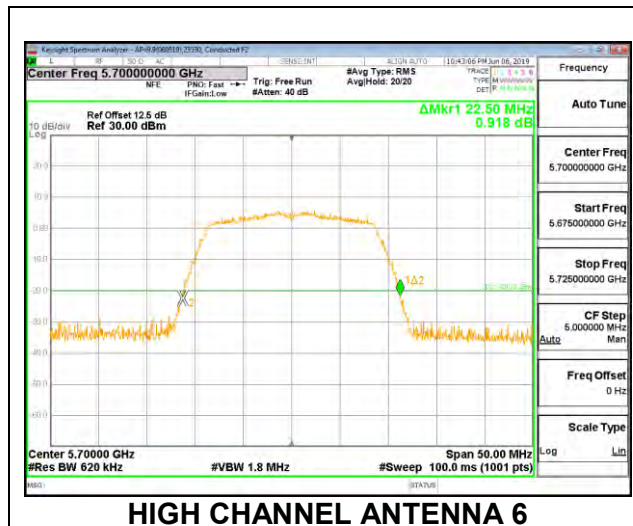
LOW CHANNEL



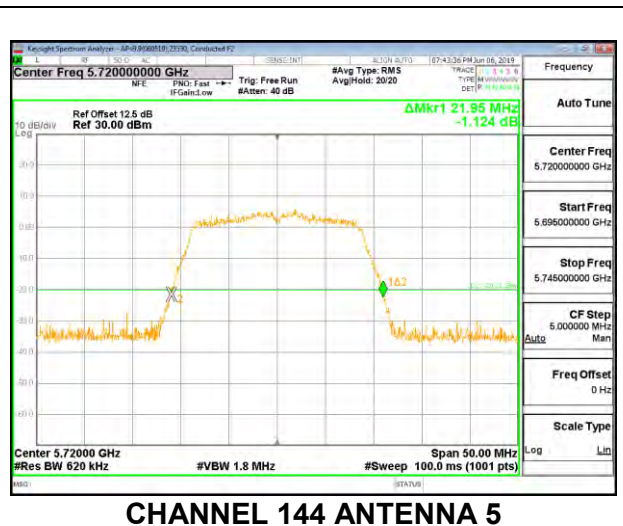
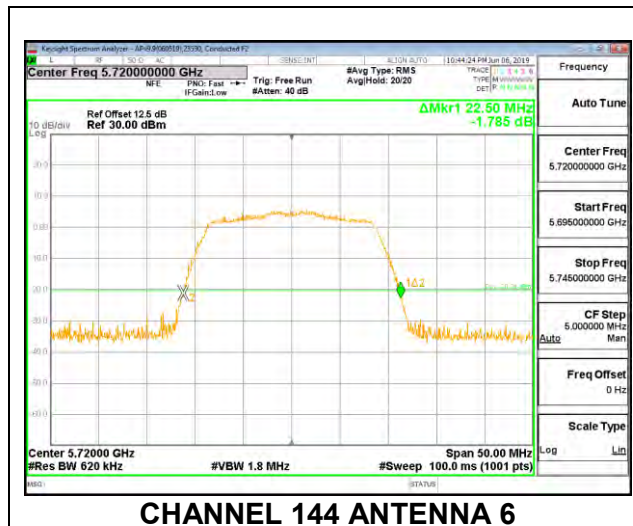
MID CHANNEL



HIGH CHANNEL



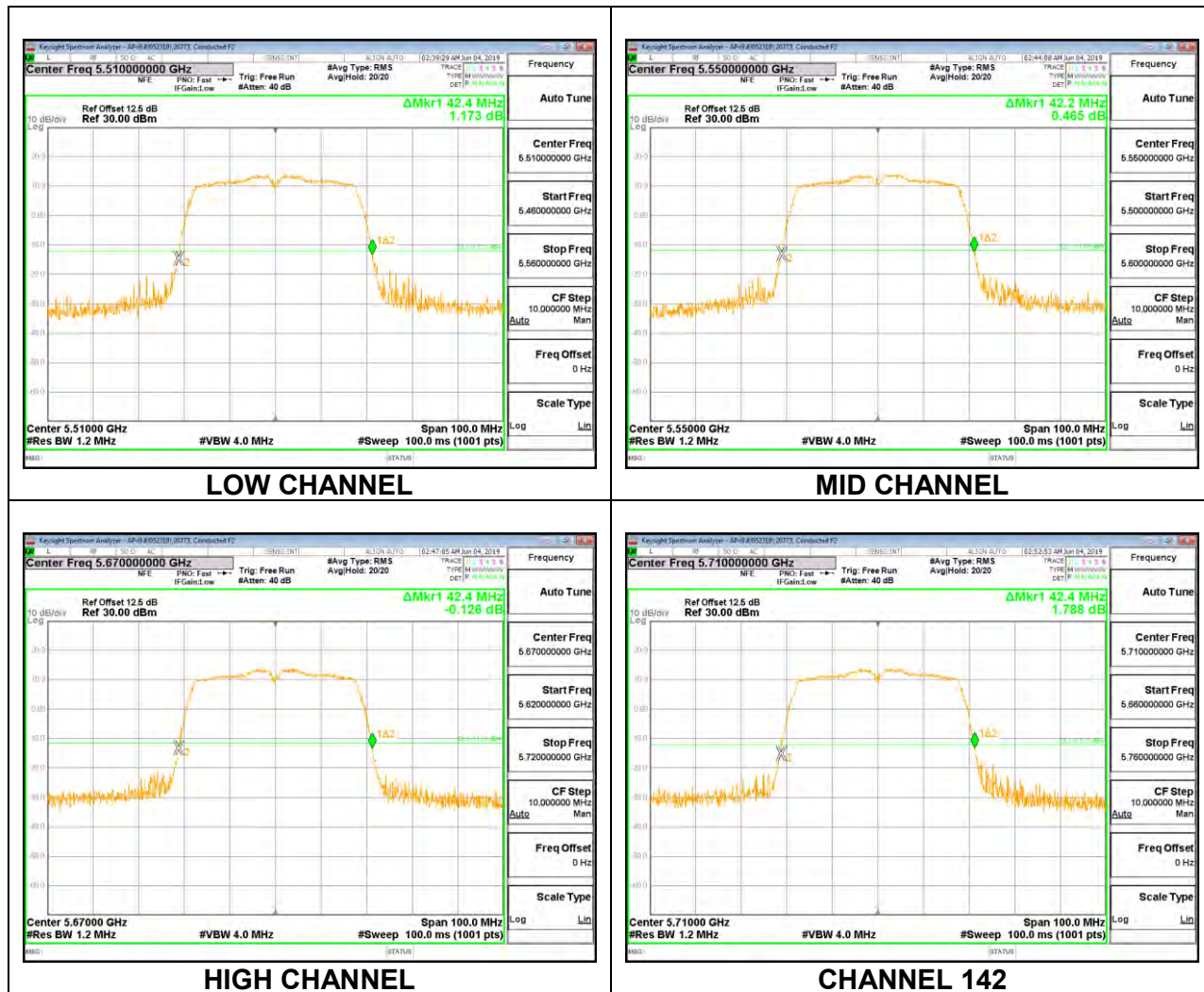
CHANNEL 144



8.2.14. 802.11n HT40 MODE IN THE 5.6 GHz BAND

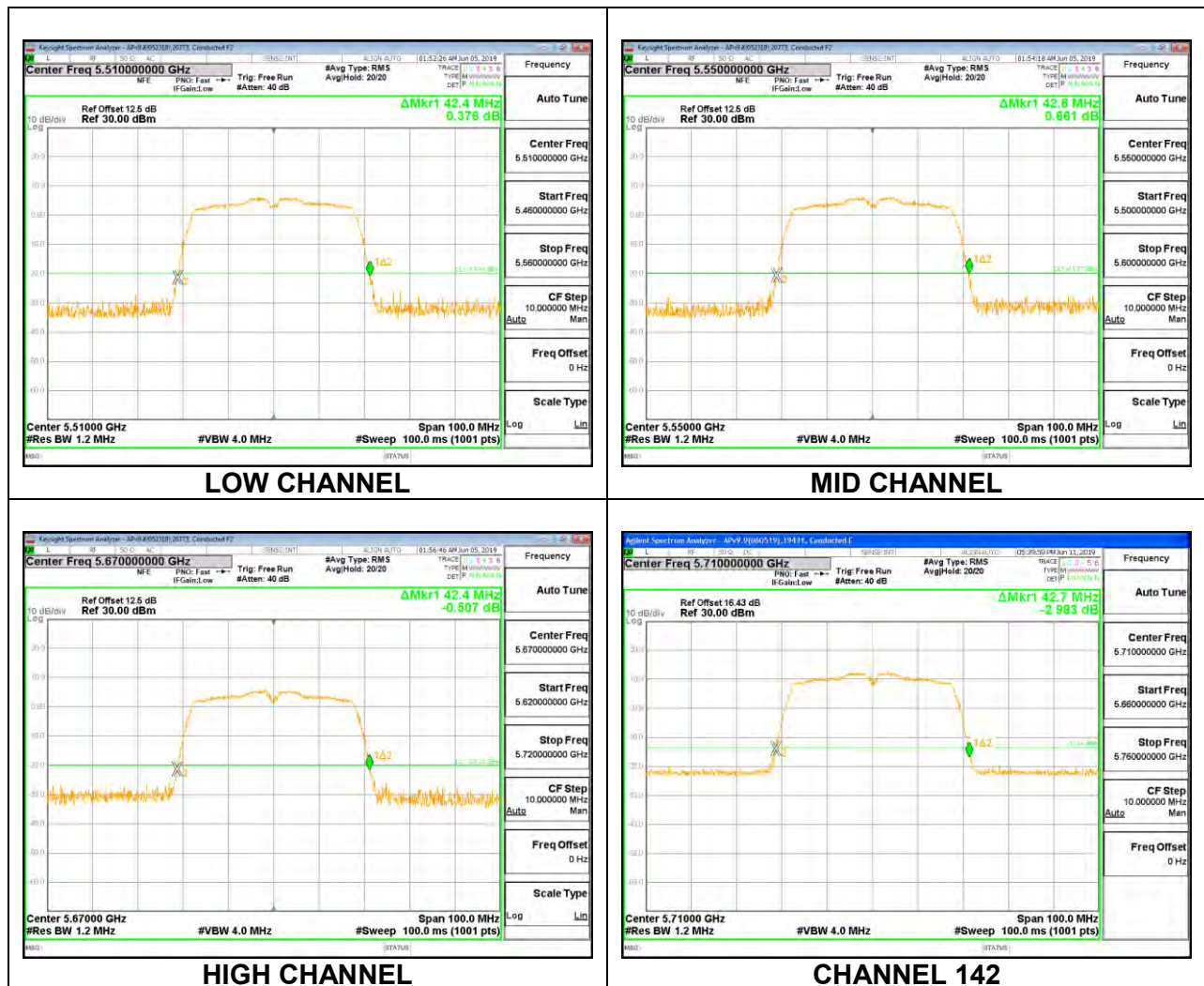
1TX Antenna 6 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5510	42.40
Mid	5550	42.20
High	5670	42.40
142	5710	42.30



1TX Antenna 5 MODE

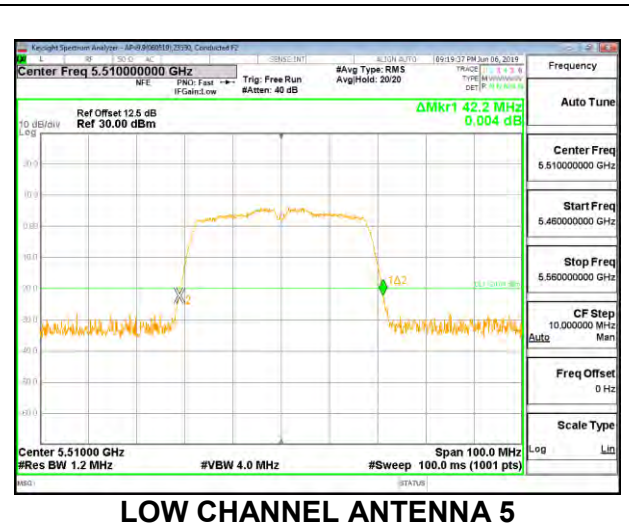
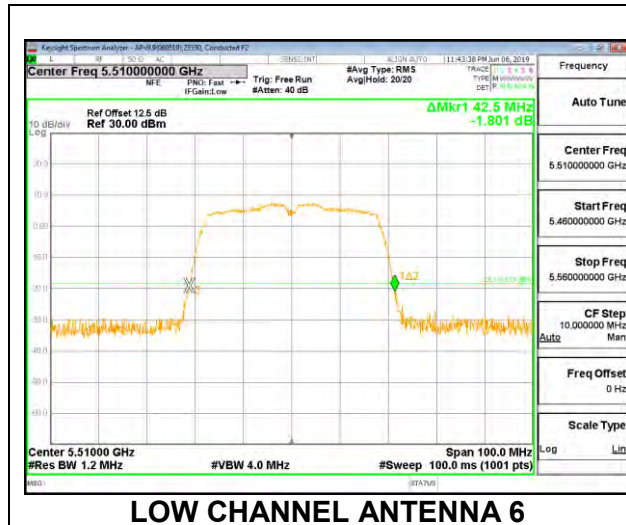
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	42.40
Mid	5550	42.60
High	5670	42.40
142	5710	42.70



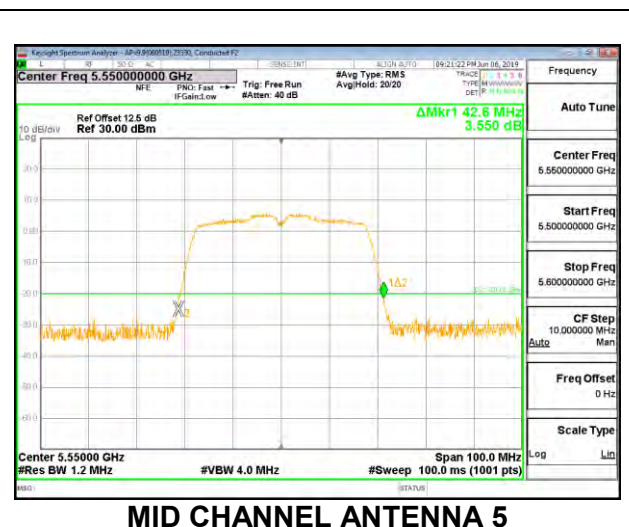
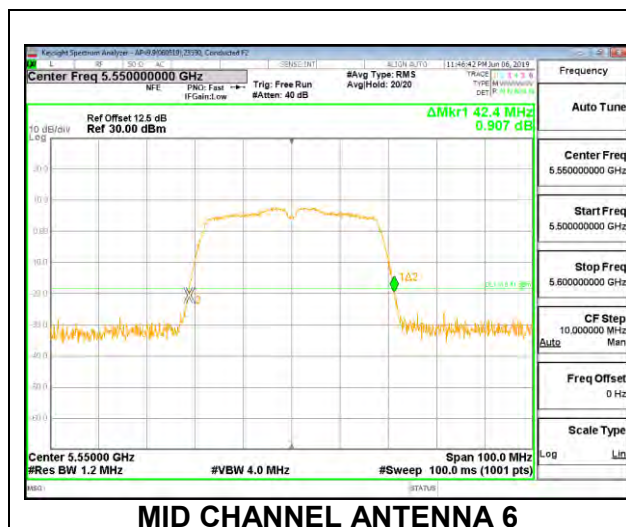
2TX Antenna 6 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5510	42.50	42.20
Mid	5550	42.40	42.60
High	5670	42.50	42.20
142	5710	42.60	42.20

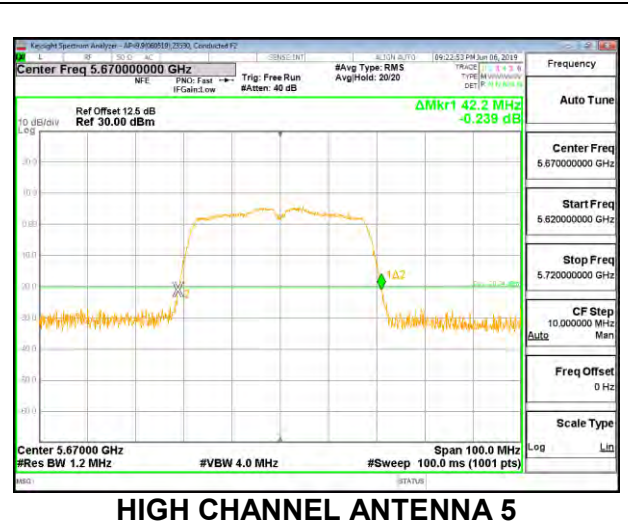
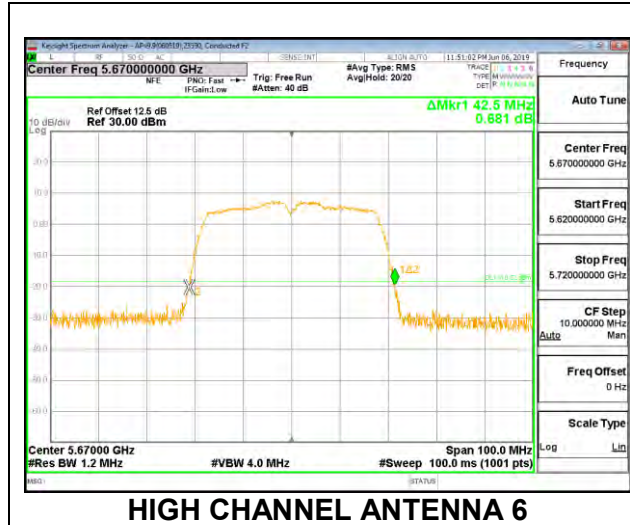
LOW CHANNEL



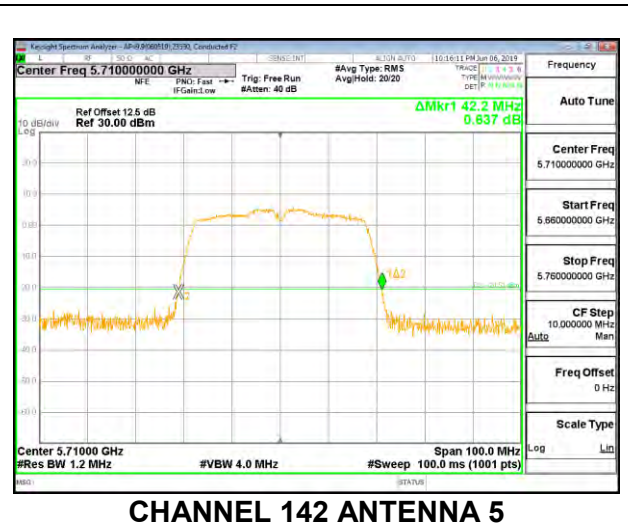
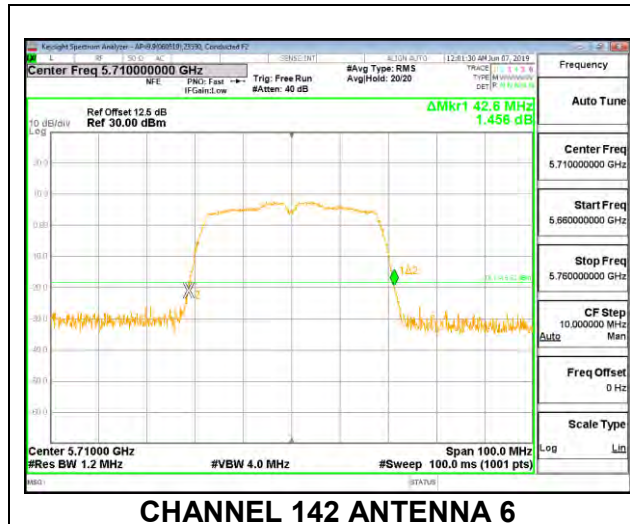
MID CHANNEL



HIGH CHANNEL



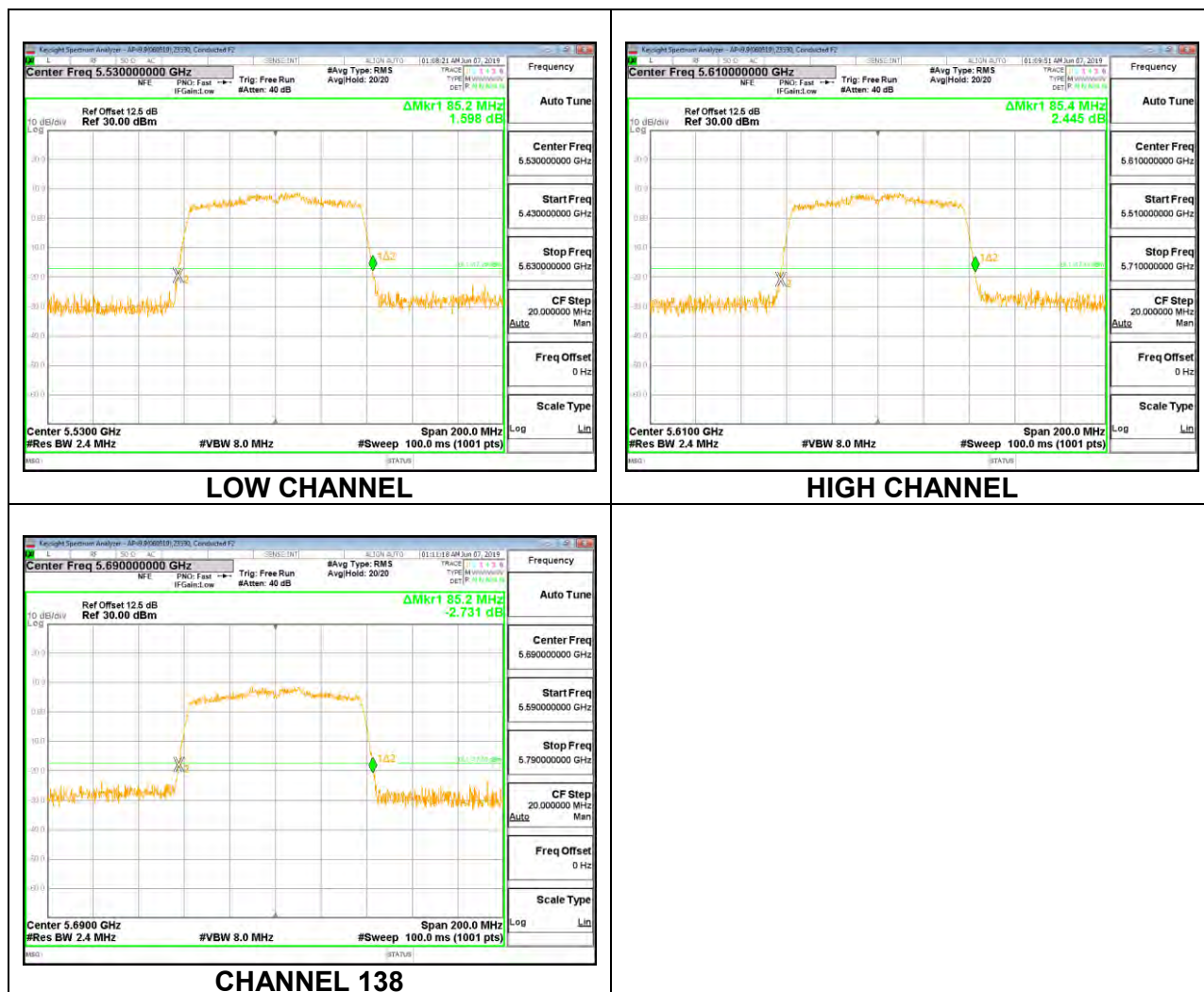
CHANNEL 142



8.2.15. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

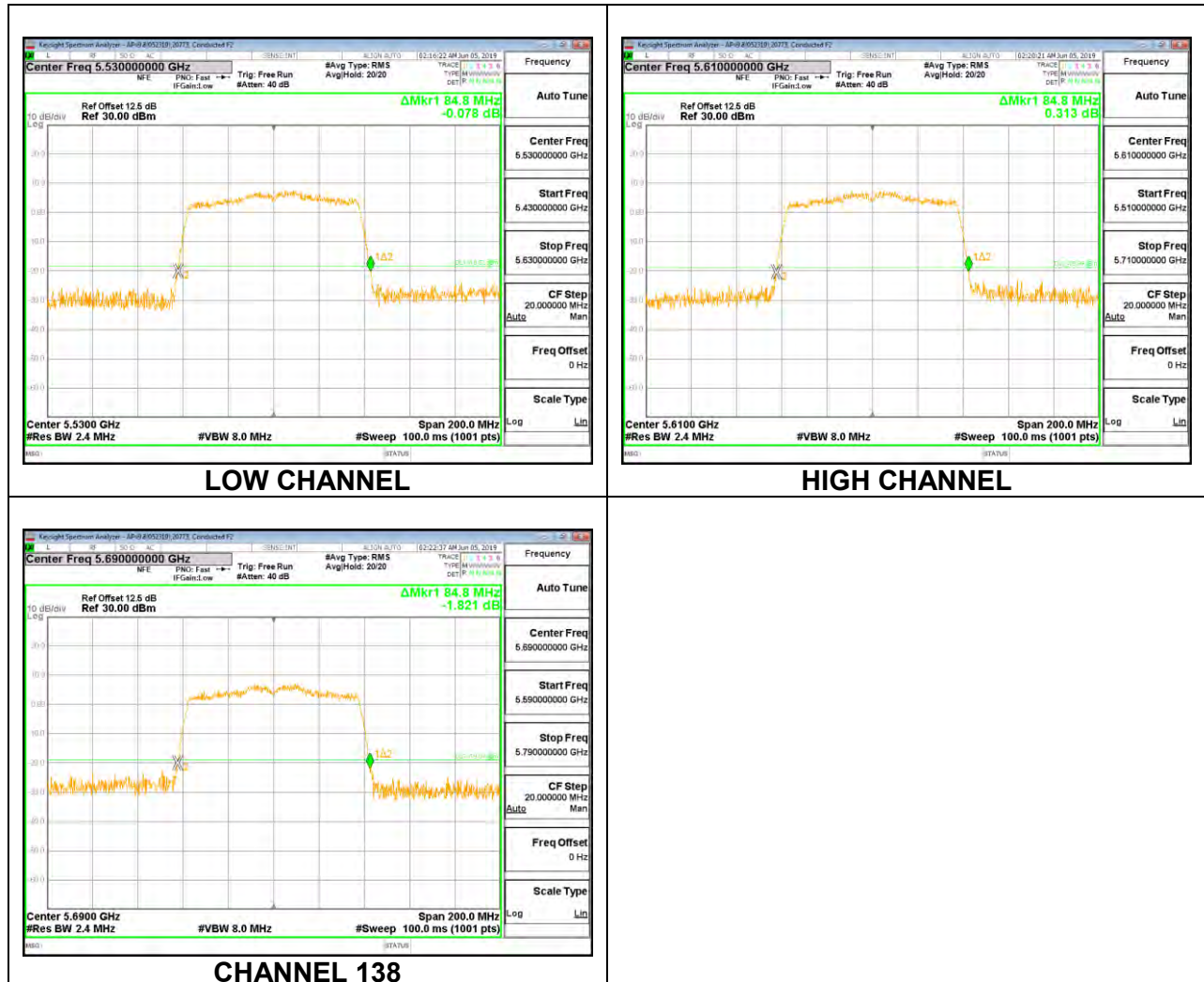
1TX Antenna 6 MODE

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5530	85.20
High	5610	85.40
138	5690	85.20



1TX Antenna 5 MODE

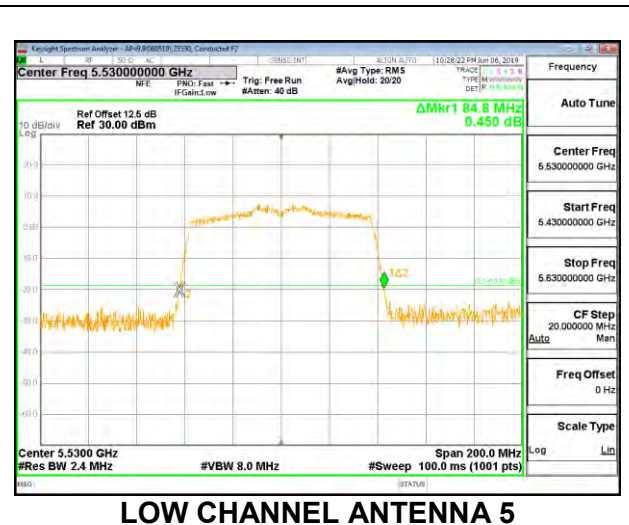
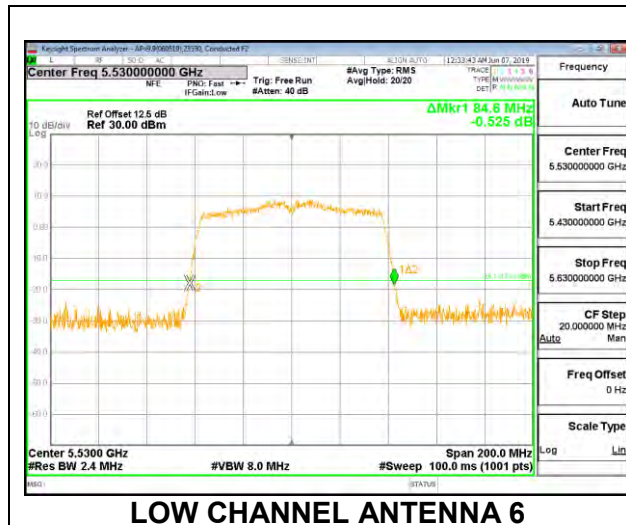
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5530	84.80
High	5610	84.80
138	5690	84.80



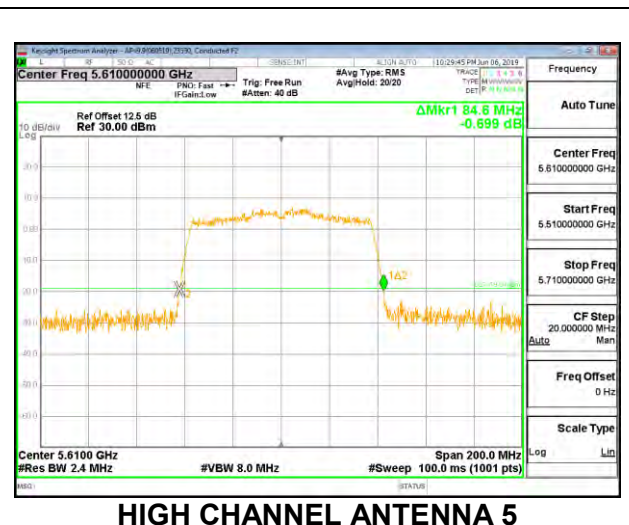
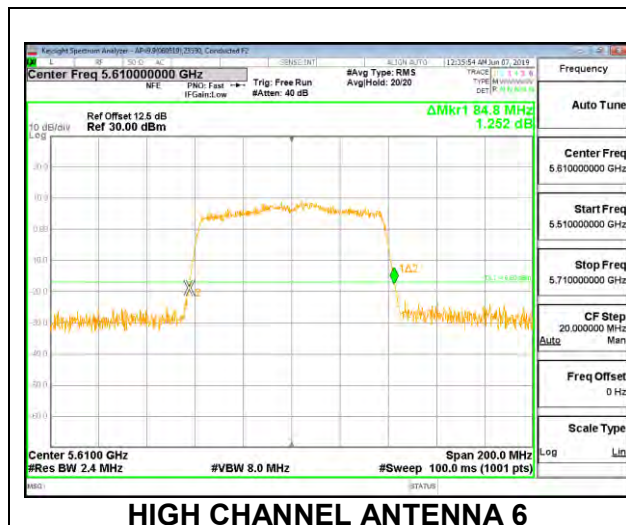
2TX Antenna 6 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5530	84.60	84.80
High	5610	84.80	84.60
138	5690	85.20	84.40

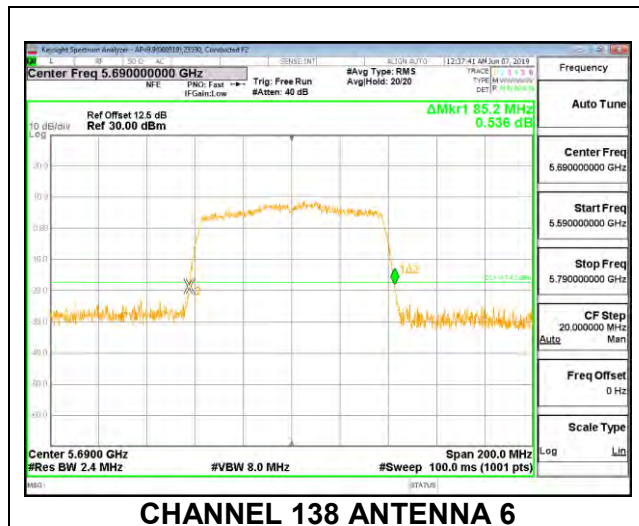
LOW CHANNEL



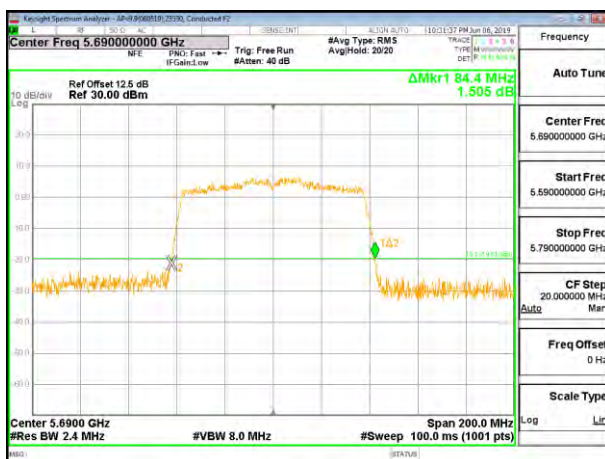
HIGH CHANNEL



CHANNEL 138



CHANNEL 138 ANTENNA 6

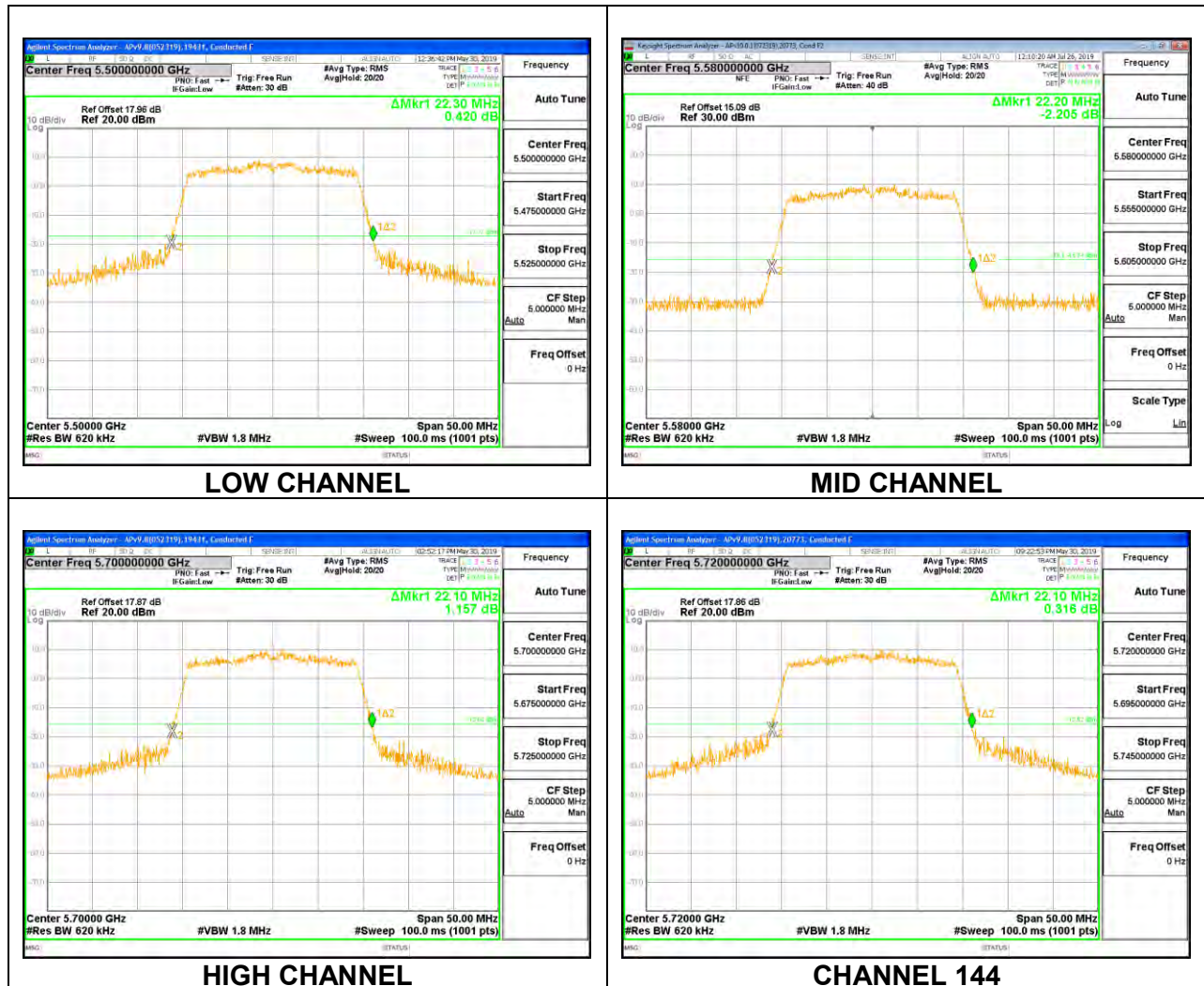


CHANNEL 138 ANTENNA 5

8.2.16. 802.11ax HE20 MODE IN THE 5.6 GHz BAND

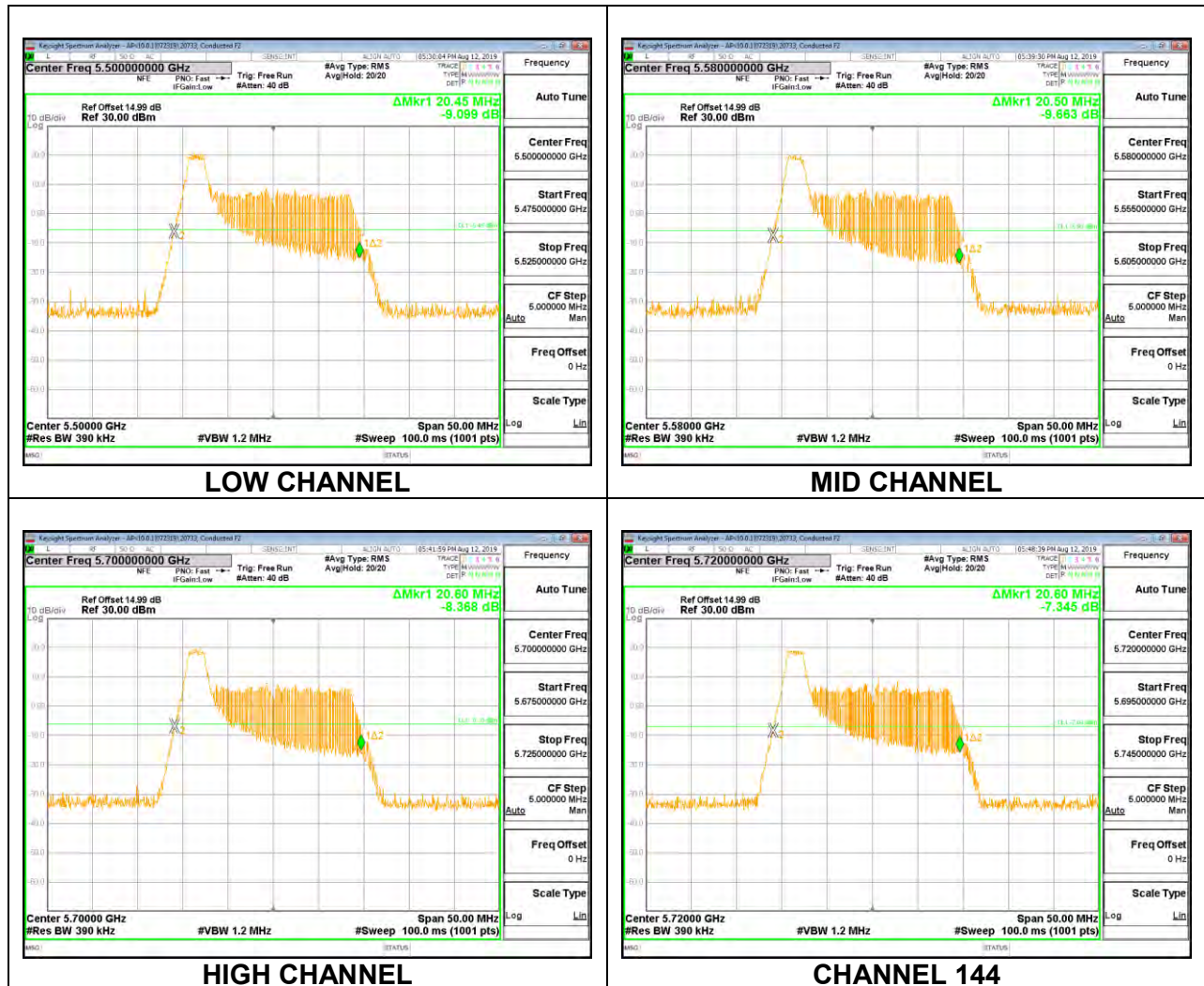
1TX Antenna 6 MODE – 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5500	22.30
Mid	5580	22.20
High	5700	22.10
144	5720	22.10



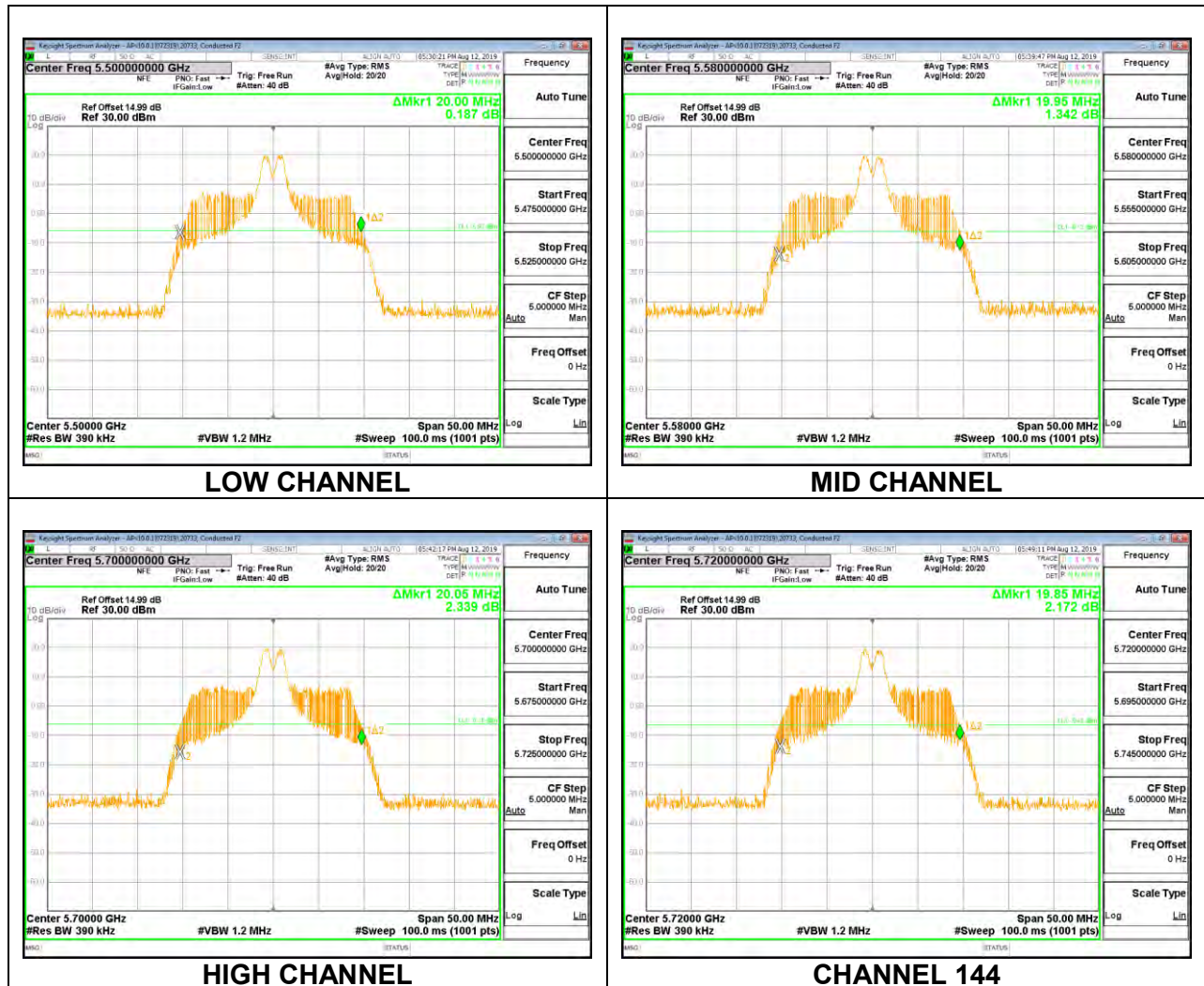
1TX Antenna 6 MODE – 26-Tones, RU Index 0

Frequency (MHz)	26 dB Bandwidth (MHz)
5500	20.45
5580	20.50
5700	20.60
5720	20.60



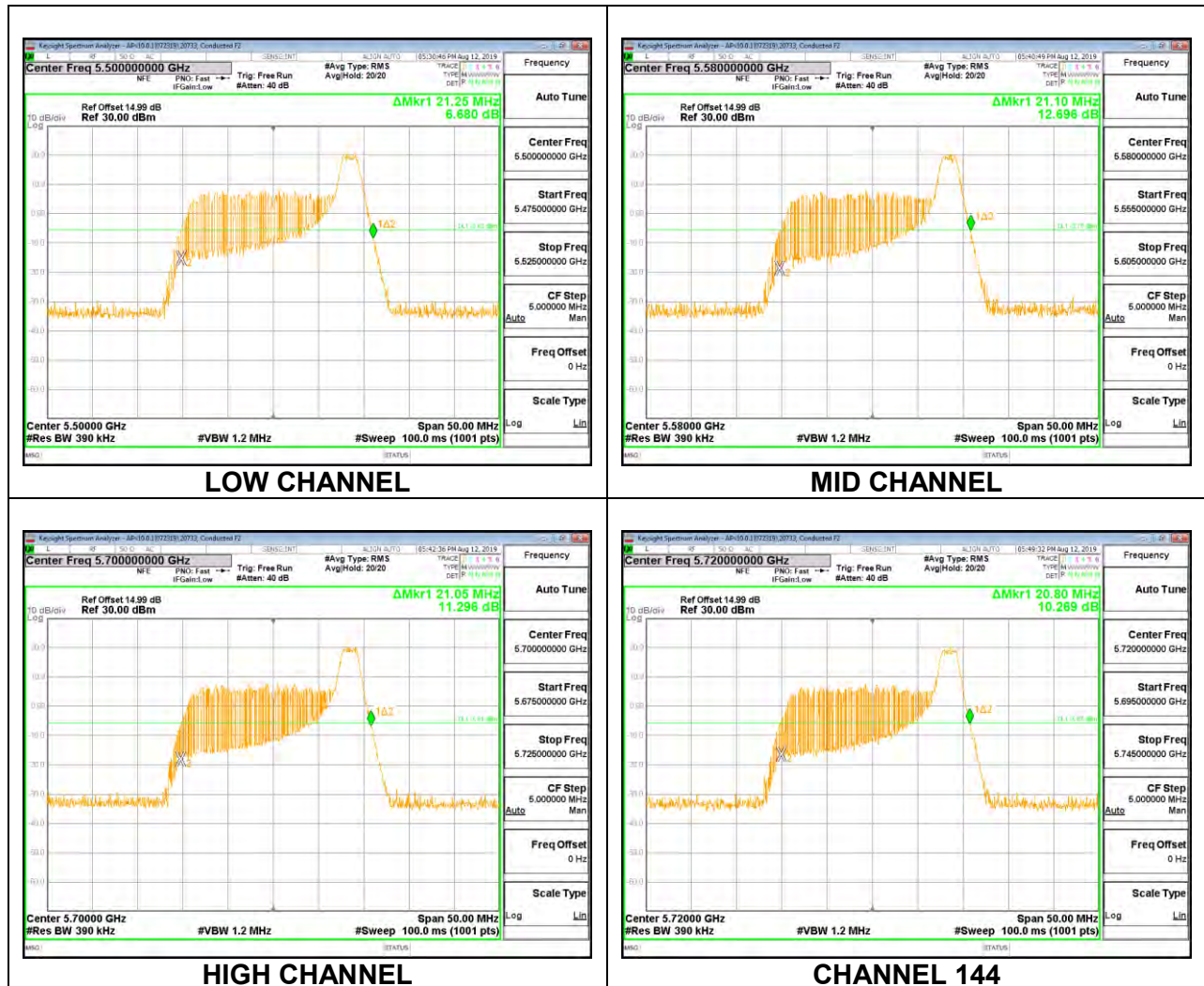
1TX Antenna 6 MODE – 26-Tones, RU Index 4

Frequency (MHz)	26 dB Bandwidth (MHz)
5500	20.00
5580	19.95
5700	20.05
5720	19.85



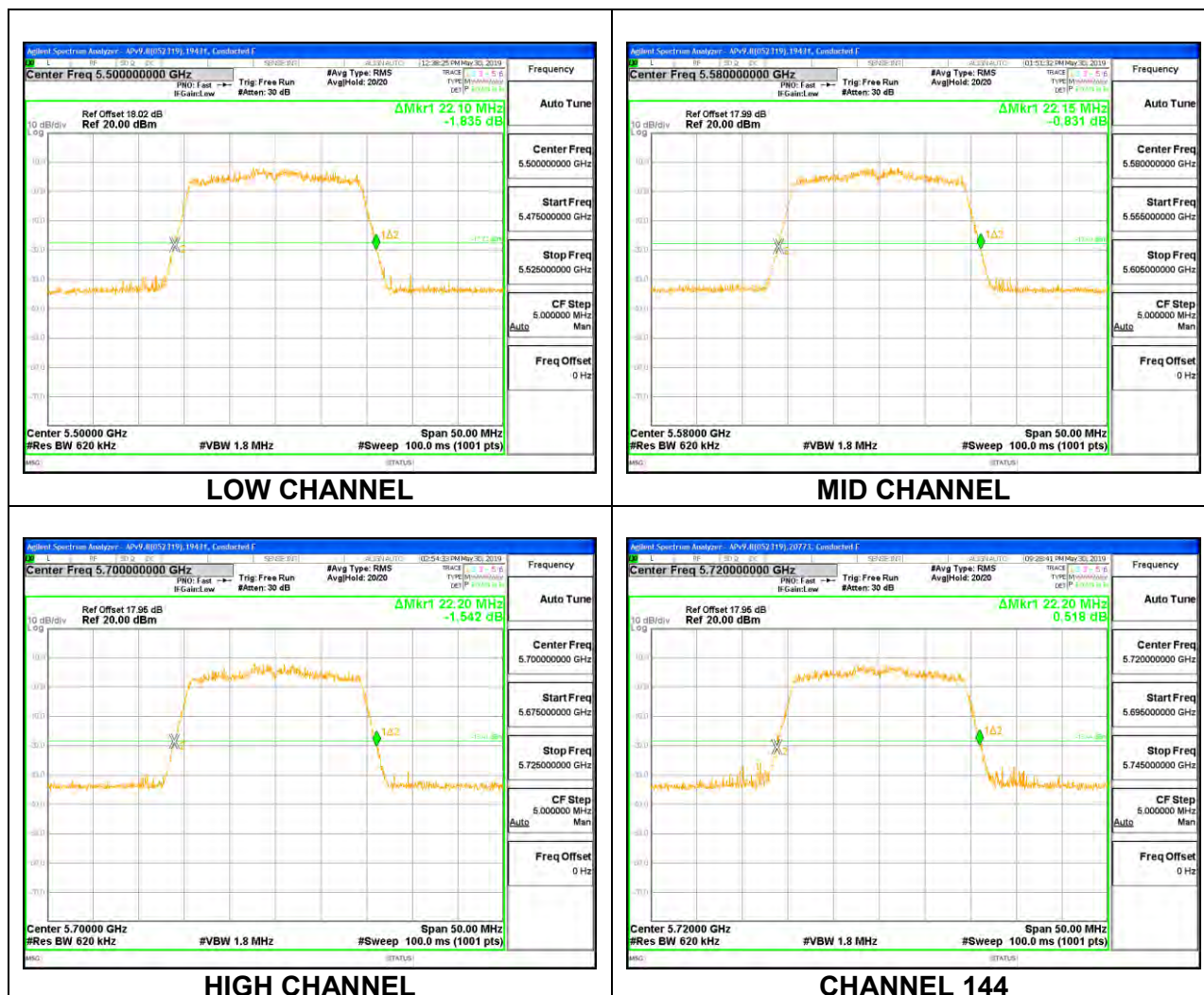
1TX Antenna 6 MODE – 26-Tones, RU Index 8

Frequency (MHz)	26 dB Bandwidth (MHz)
5500	21.25
5580	21.10
5700	21.05
5720	20.80



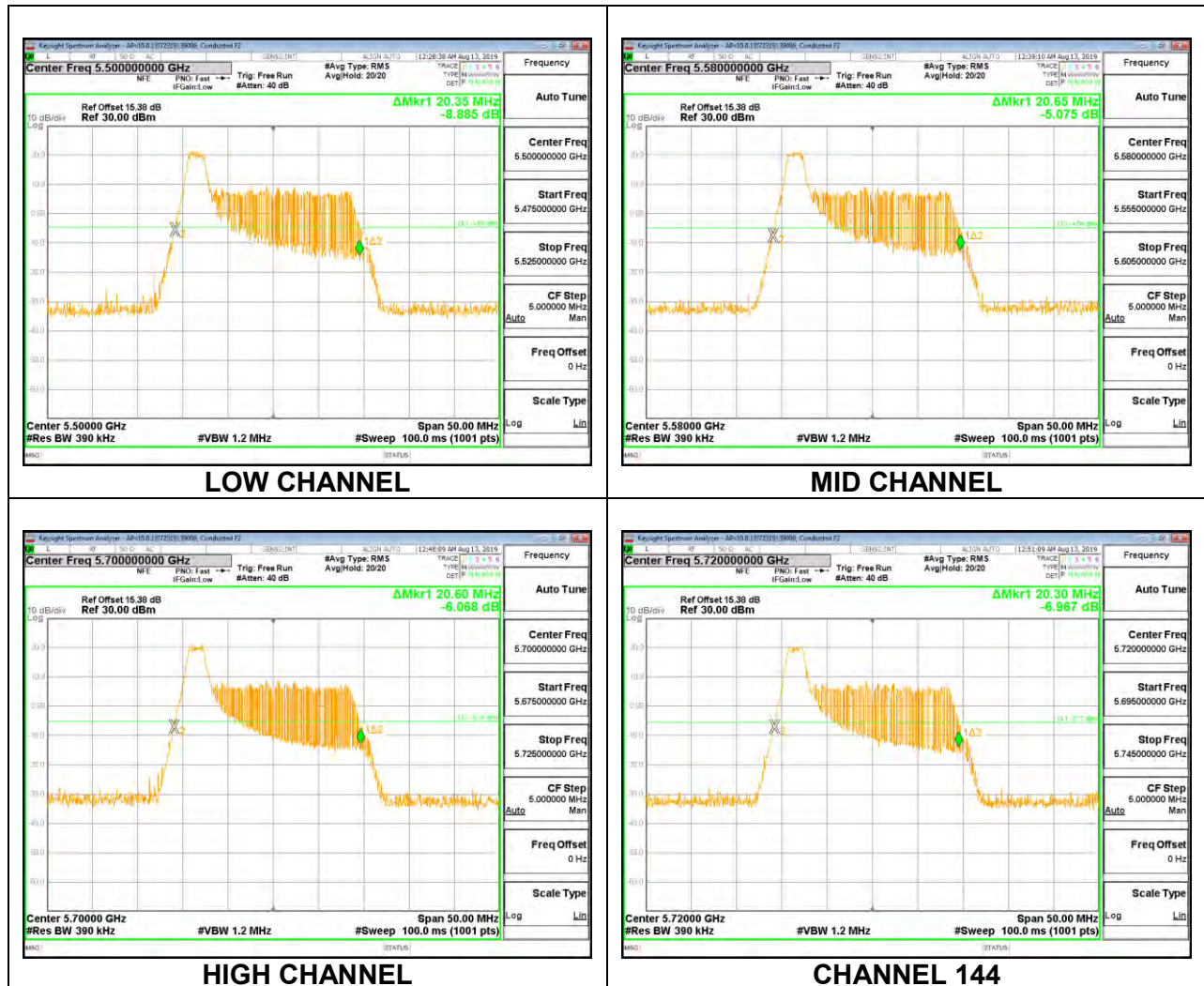
1TX Antenna 5 MODE – 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5500	22.10
Mid	5580	22.15
High	5700	22.20
144	5720	22.20



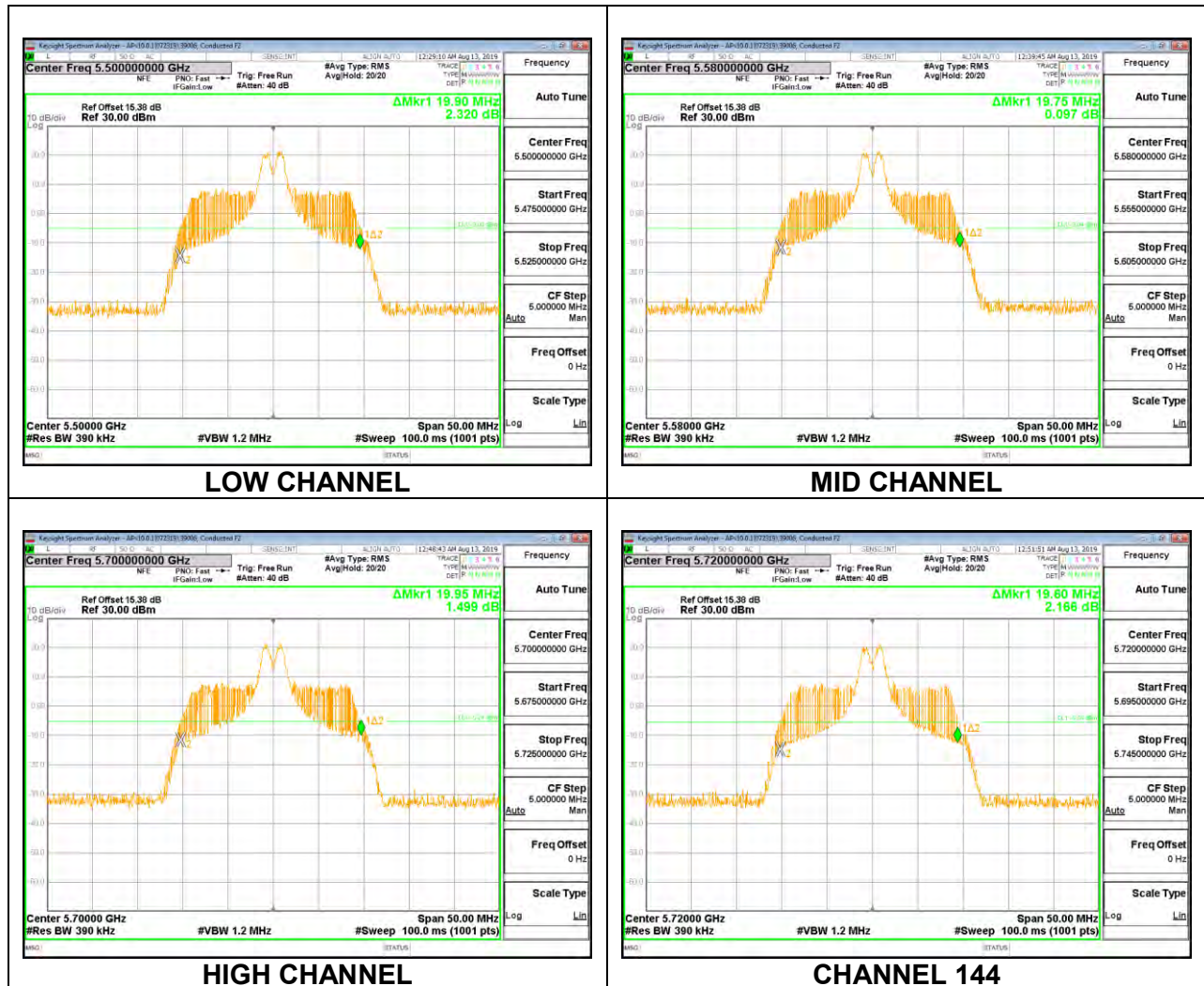
1TX Antenna 5 MODE – 26-Tones, RU Index 0

Frequency (MHz)	26 dB Bandwidth (MHz)
5500	20.35
5580	20.65
5700	20.60
5720	20.30



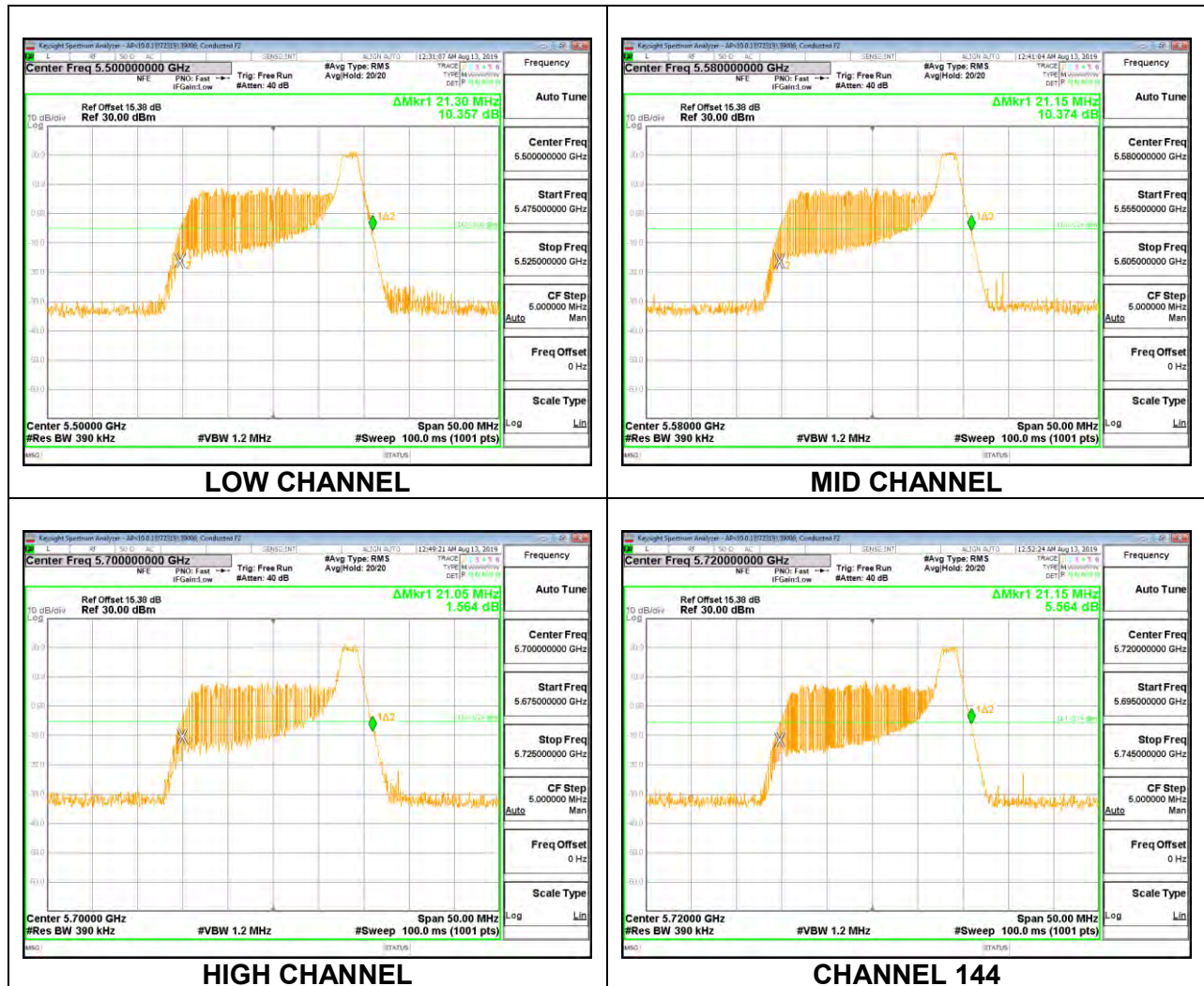
1TX Antenna 5 MODE – 26-Tones, RU Index 4

Frequency (MHz)	26 dB Bandwidth (MHz)
5500	19.90
5580	19.75
5700	19.95
5720	19.60



1TX Antenna 5 MODE – 26-Tones, RU Index 8

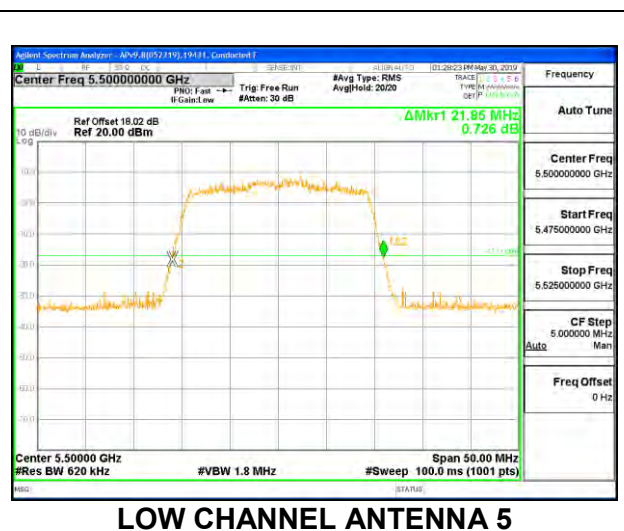
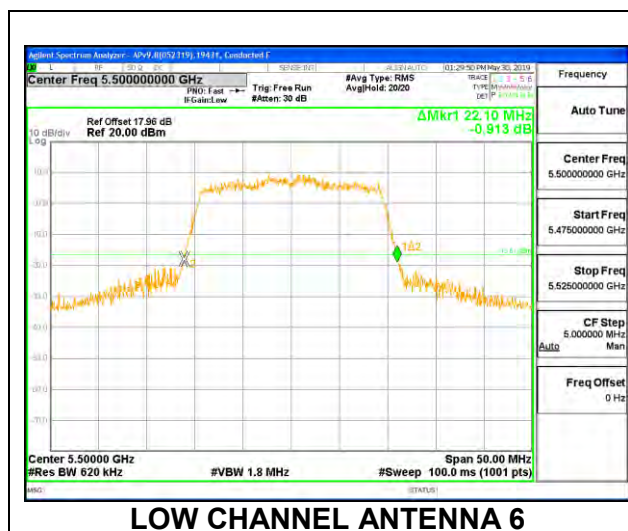
Frequency (MHz)	26 dB Bandwidth (MHz)
5500	21.30
5580	21.15
5700	21.05
5720	21.15



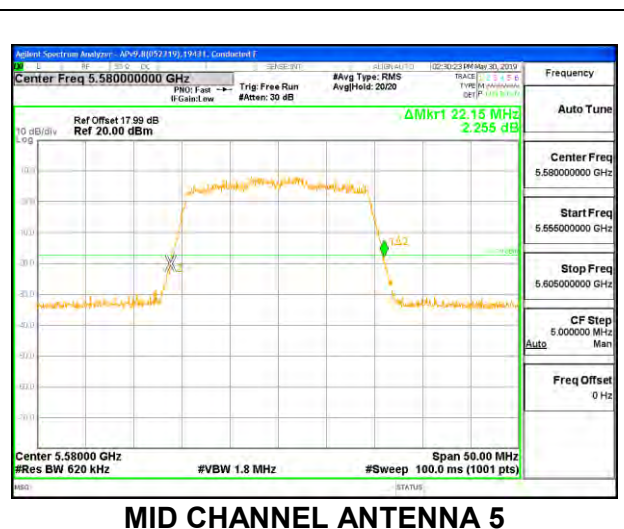
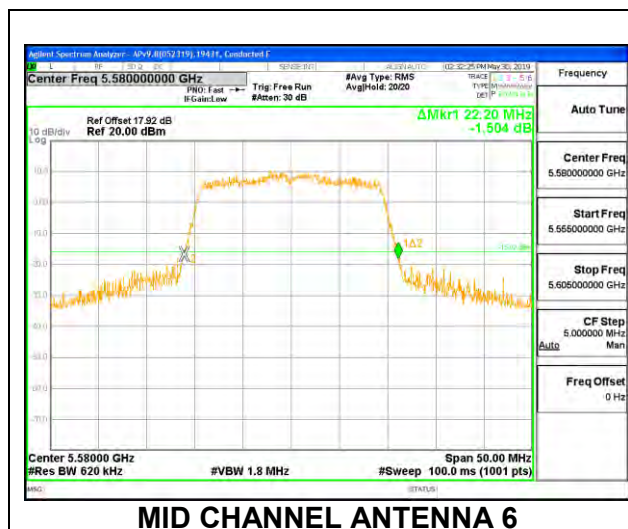
2TX Antenna 6 + Antenna 5 OFDMA MODE – 242-Tones, RU Index 61

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5500	22.10	21.85
Mid	5580	22.20	22.15
High	5700	22.00	21.95
144	5720	22.10	22.00

LOW CHANNEL



MID CHANNEL



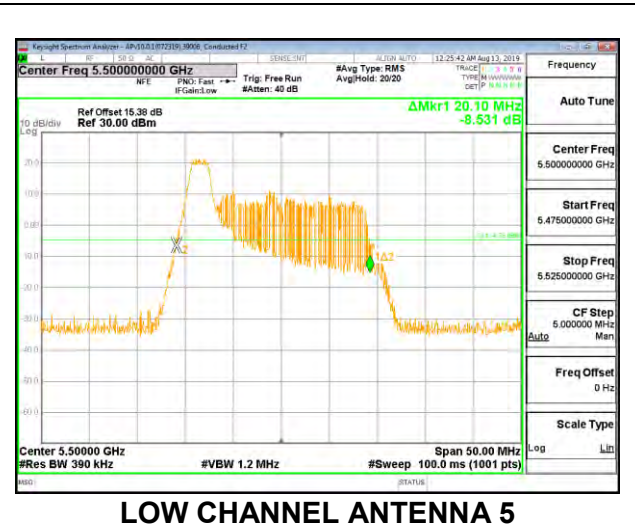
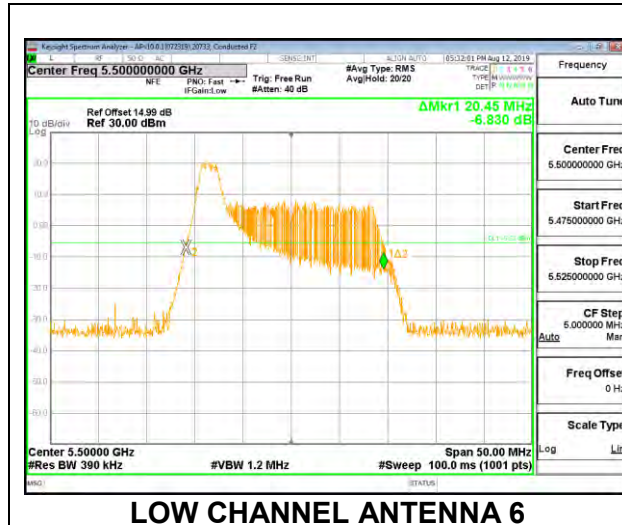
The figure displays two side-by-side Agilent Spectrum Analyzer screenshots, labeled 'HIGH CHANNEL ANTENNA 6' (left) and 'HIGH CHANNEL ANTENNA 5' (right). Both plots show the frequency response of the respective antennas. The x-axis represents Frequency in GHz, ranging from 5.675 to 5.725 GHz. The y-axis represents Power in dBm, ranging from -70 to 10 dBm. Both plots show a flat response around -10 dBm with a small peak at 22.00 MHz (Antenna 6) and 21.95 MHz (Antenna 5). The peak is marked with a green dot and labeled '1A2'. The peak power is indicated as $\Delta Mk r1$ 22.00 MHz 0.390 dB for Antenna 6 and $\Delta Mk r1$ 21.95 MHz 0.036 dB for Antenna 5. The center frequency is 5.700000000 GHz, the span is 50.000 MHz, and the resolution bandwidth (Res BW) is 620 kHz. The video bandwidth (VBW) is 1.8 MHz and the sweep time is 100.0 ms (1001 pts).

Figure 10: Frequency response of Channel 144 Antenna 6 (left) and Channel 144 Antenna 5 (right). The plots show the frequency response of the antennas, with the left plot for Antenna 6 and the right plot for Antenna 5. Both plots show a flat noise floor with a sharp peak at 5.72 GHz. The left plot shows a peak level of -0.834 dBm, while the right plot shows a peak level of 0.016 dBm. Both plots have a center frequency of 5.72 GHz, a span of 50 MHz, and a resolution bandwidth of 620 kHz.

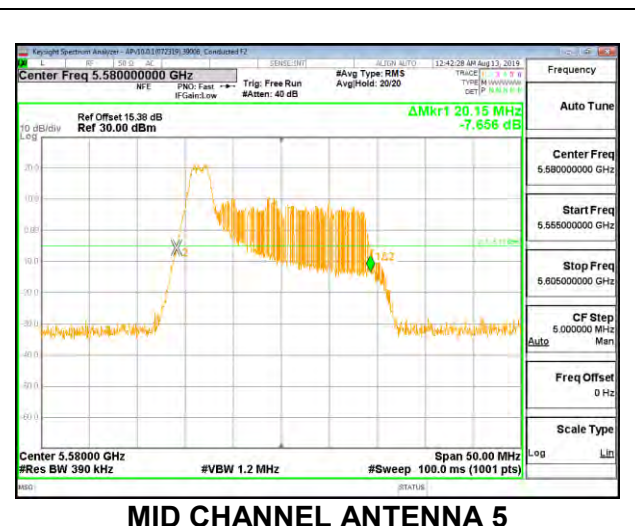
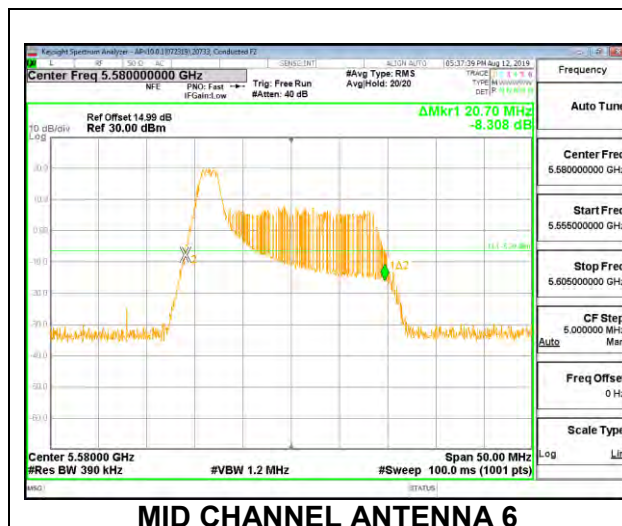
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5500	20.45	20.10
Mid	5580	20.70	20.15
High	5700	20.65	19.95
144	5720	20.55	20.05

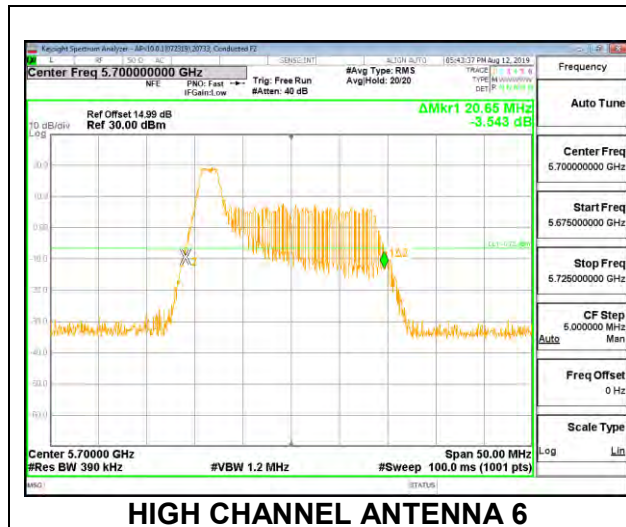
LOW CHANNEL



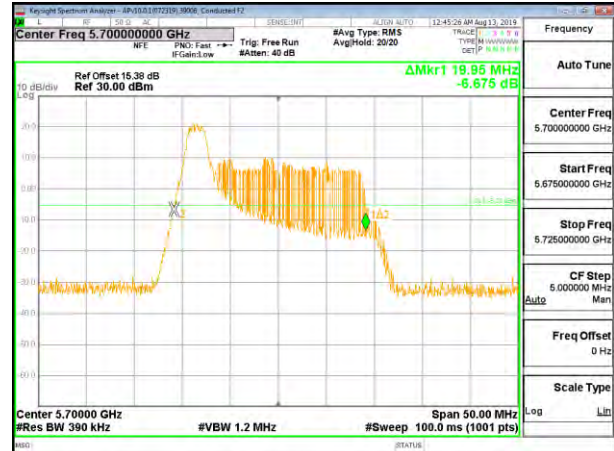
MID CHANNEL



HIGH CHANNEL

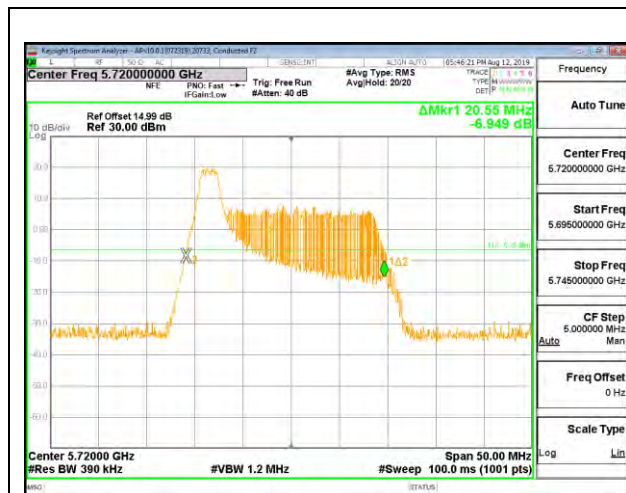


HIGH CHANNEL ANTENNA 6

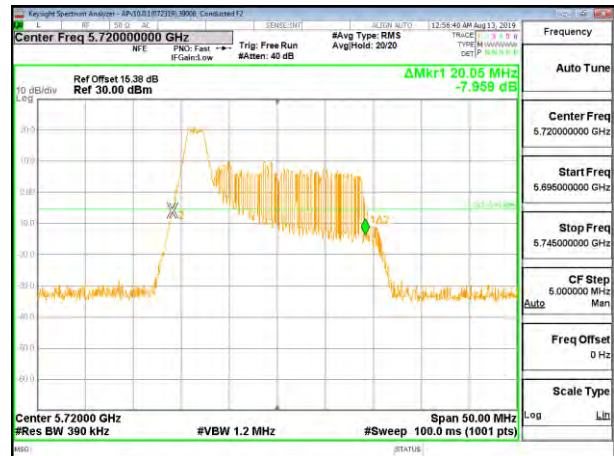


HIGH CHANNEL ANTENNA 5

CHANNEL 144



CHANNEL 144 ANTENNA 6

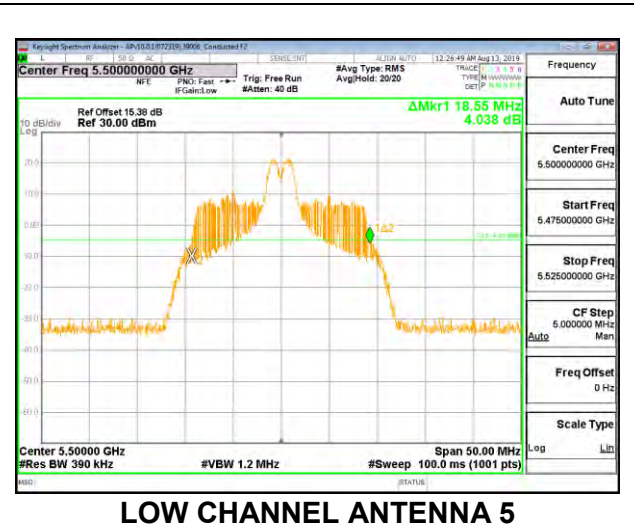
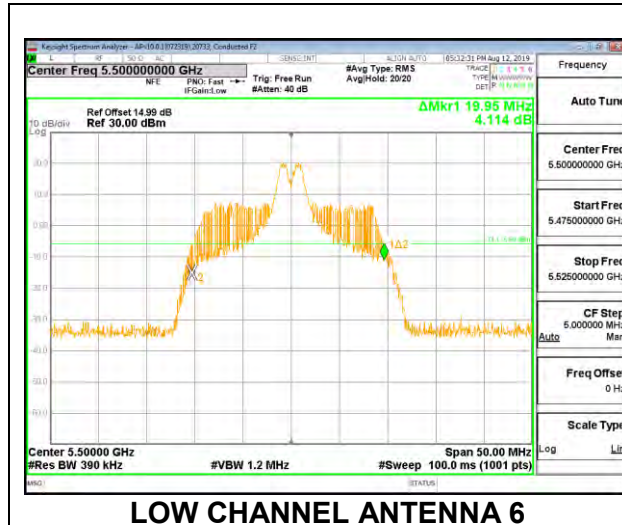


CHANNEL 144 ANTENNA 5

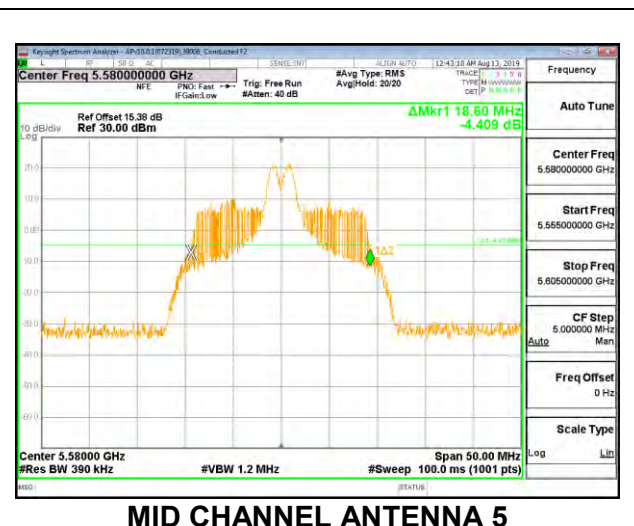
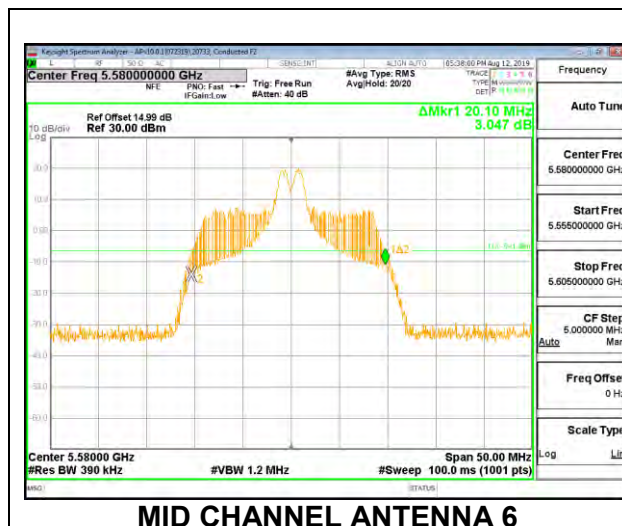
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 4

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5500	19.95	18.55
Mid	5580	20.10	18.60
High	5700	19.95	18.25
144	5720	19.75	18.45

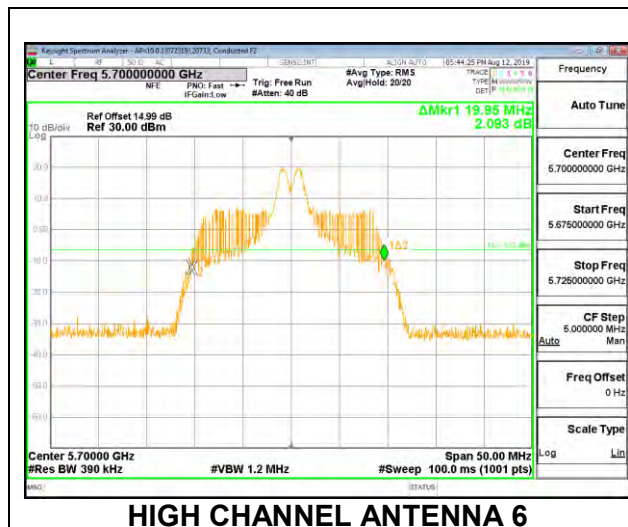
LOW CHANNEL



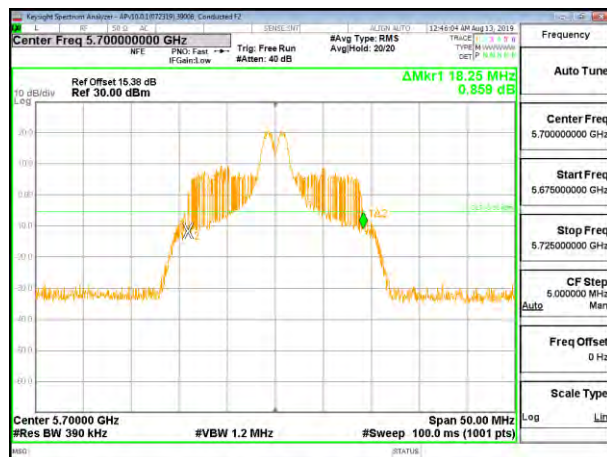
MID CHANNEL



HIGH CHANNEL

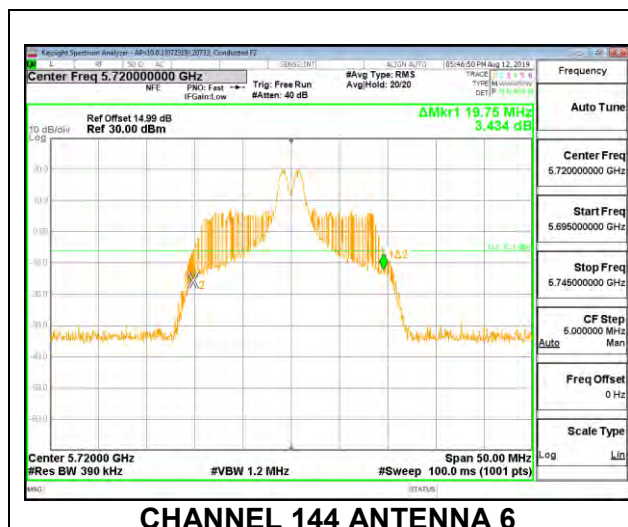


HIGH CHANNEL ANTENNA 6



HIGH CHANNEL ANTENNA 5

CHANNEL 144



CHANNEL 144 ANTENNA 6

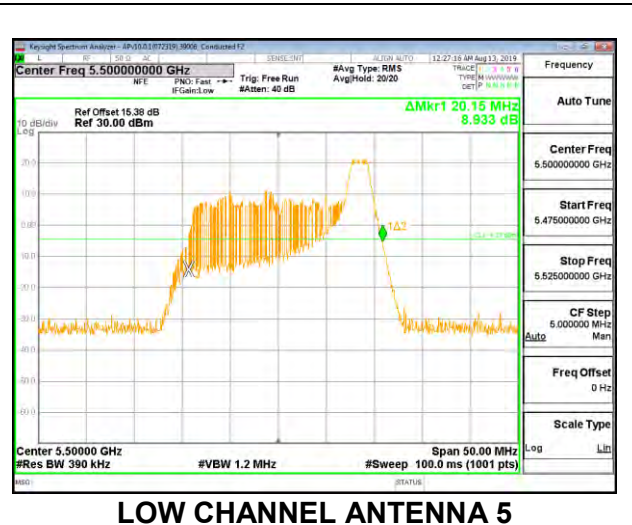
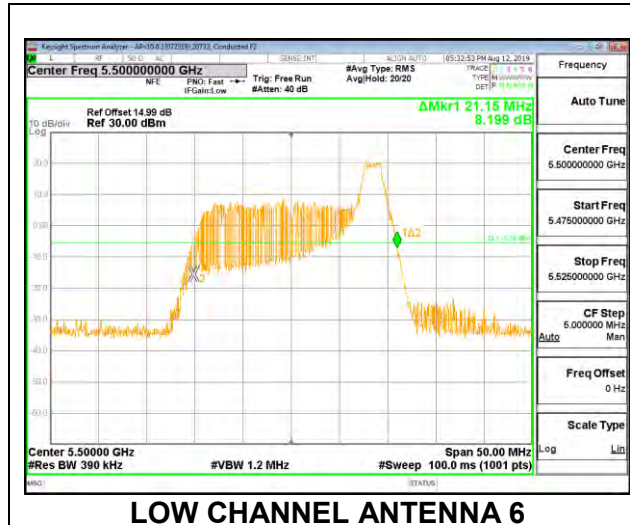


CHANNEL 144 ANTENNA 5

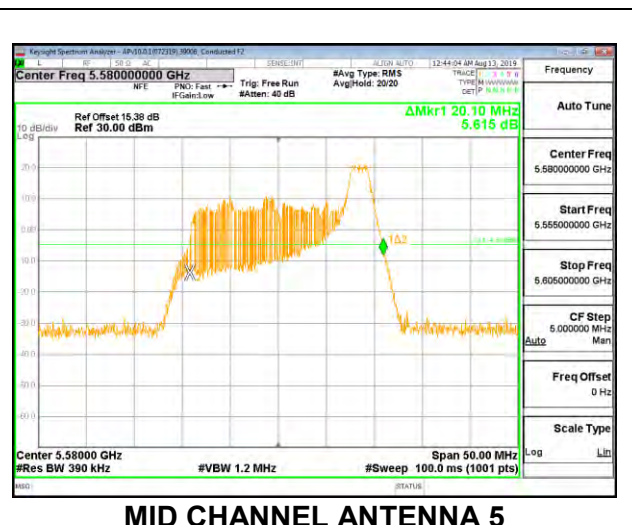
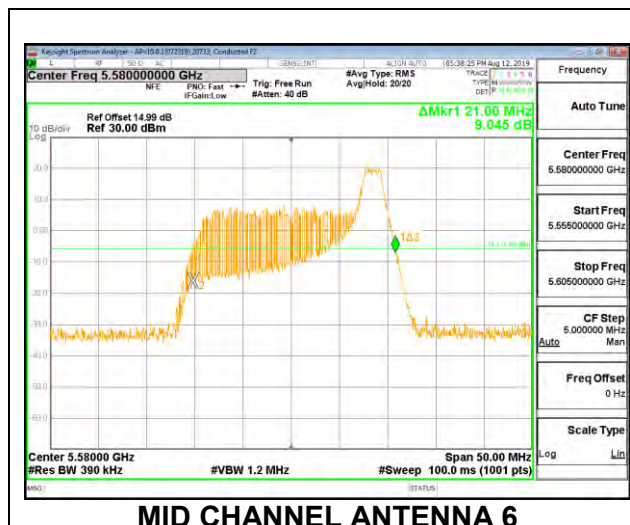
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5500	21.15	20.15
Mid	5580	21.00	20.10
High	5700	21.20	20.15
144	5720	21.10	20.20

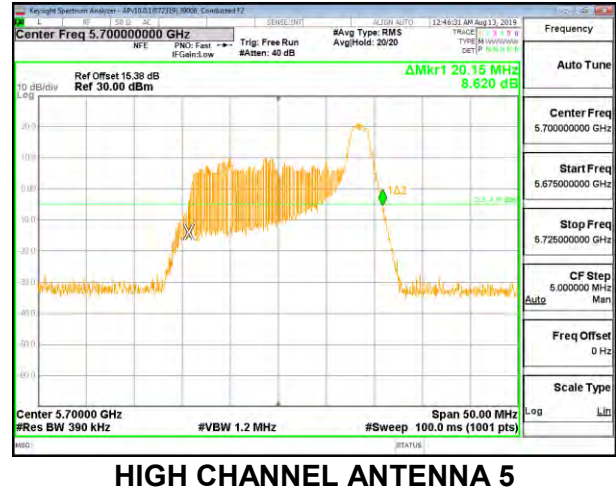
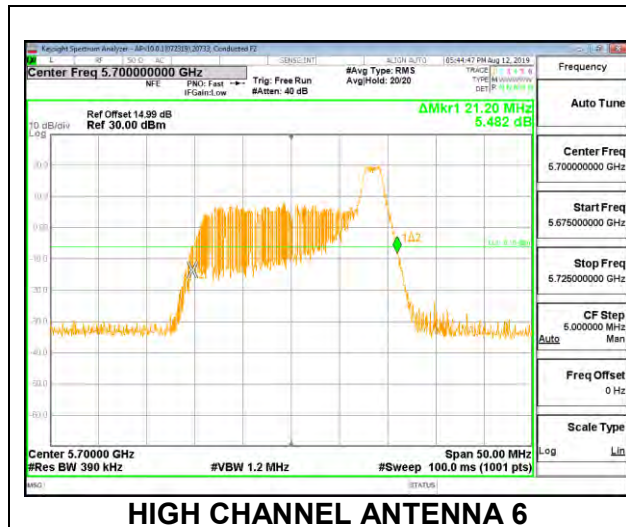
LOW CHANNEL



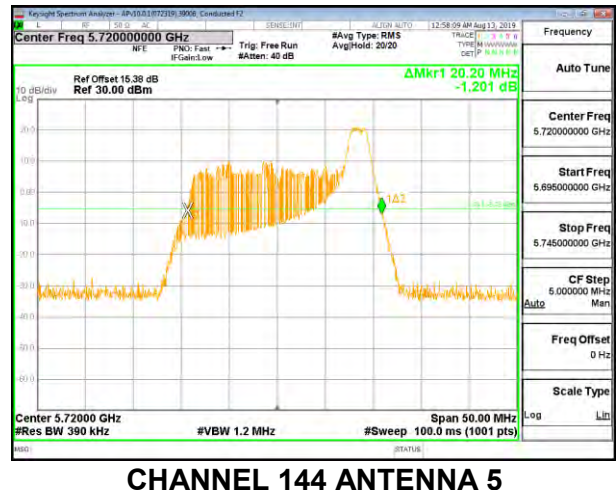
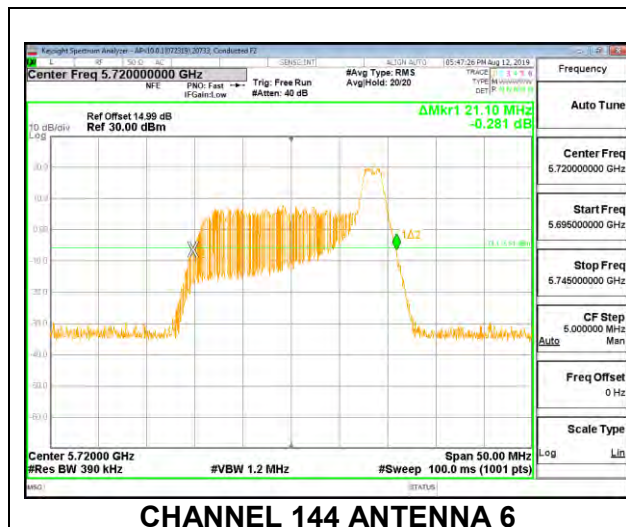
MID CHANNEL



HIGH CHANNEL



CHANNEL 144



8.2.17. 802.11ax HE40 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 MODE – 484-Tones, RU Index 65

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5510	42.70
Mid	5550	42.30
High	5670	42.60
142	5710	42.30



LOW CHANNEL



MID CHANNEL



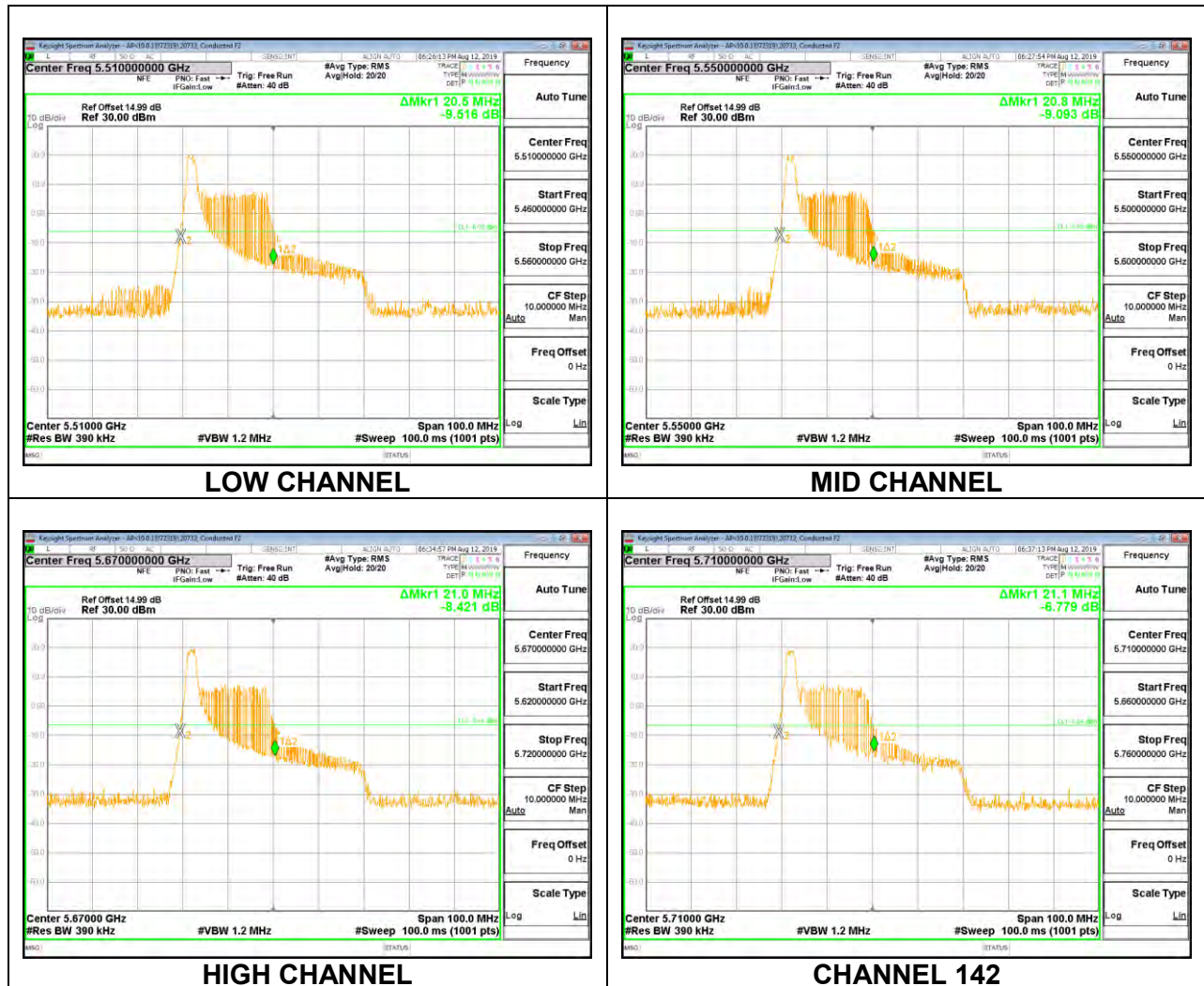
HIGH CHANNEL



CHANNEL 142

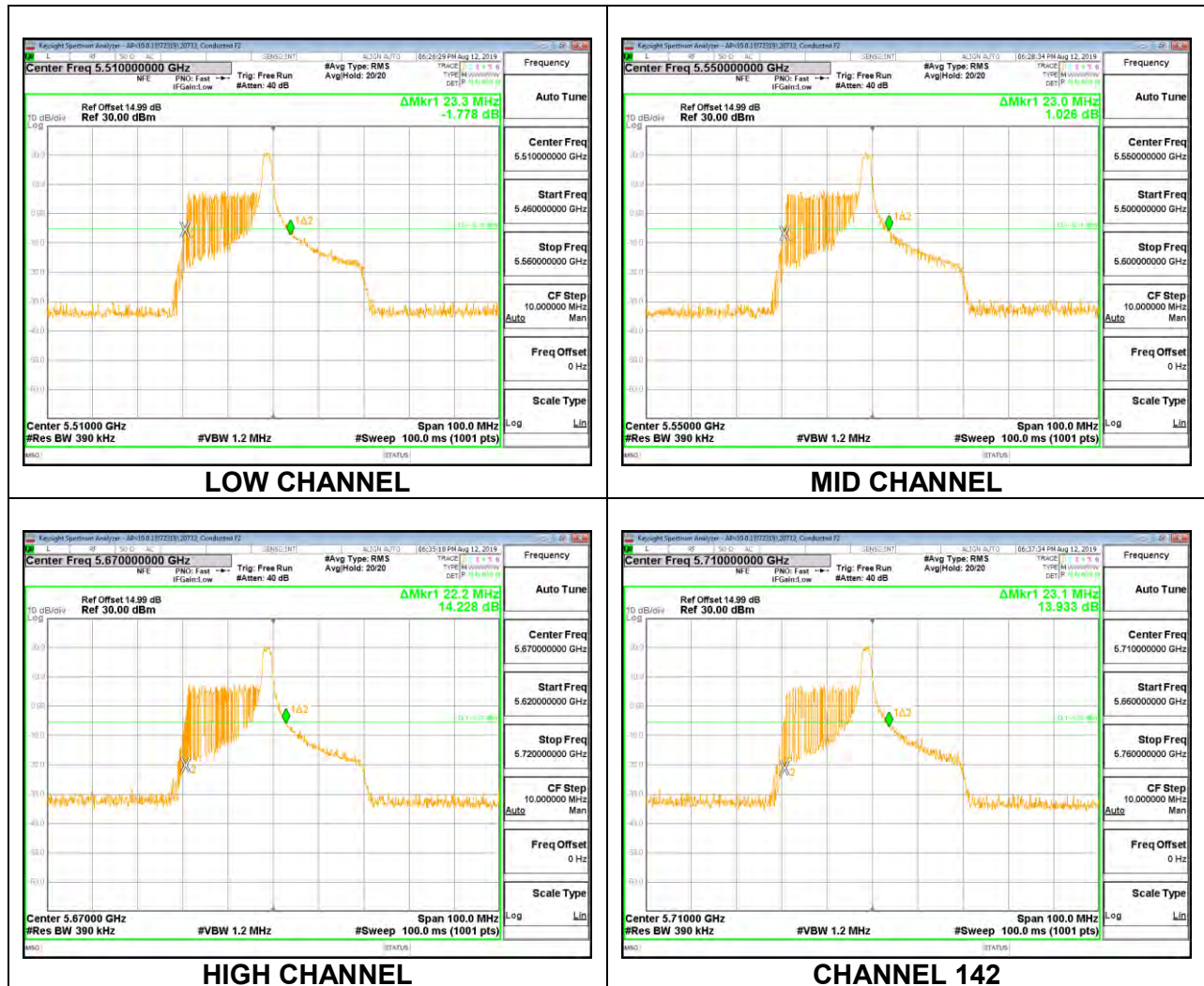
1TX Antenna 6 MODE – 26-Tones, RU Index 0

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	20.50
Mid	5550	20.80
High	5670	21.00
142	5710	21.10



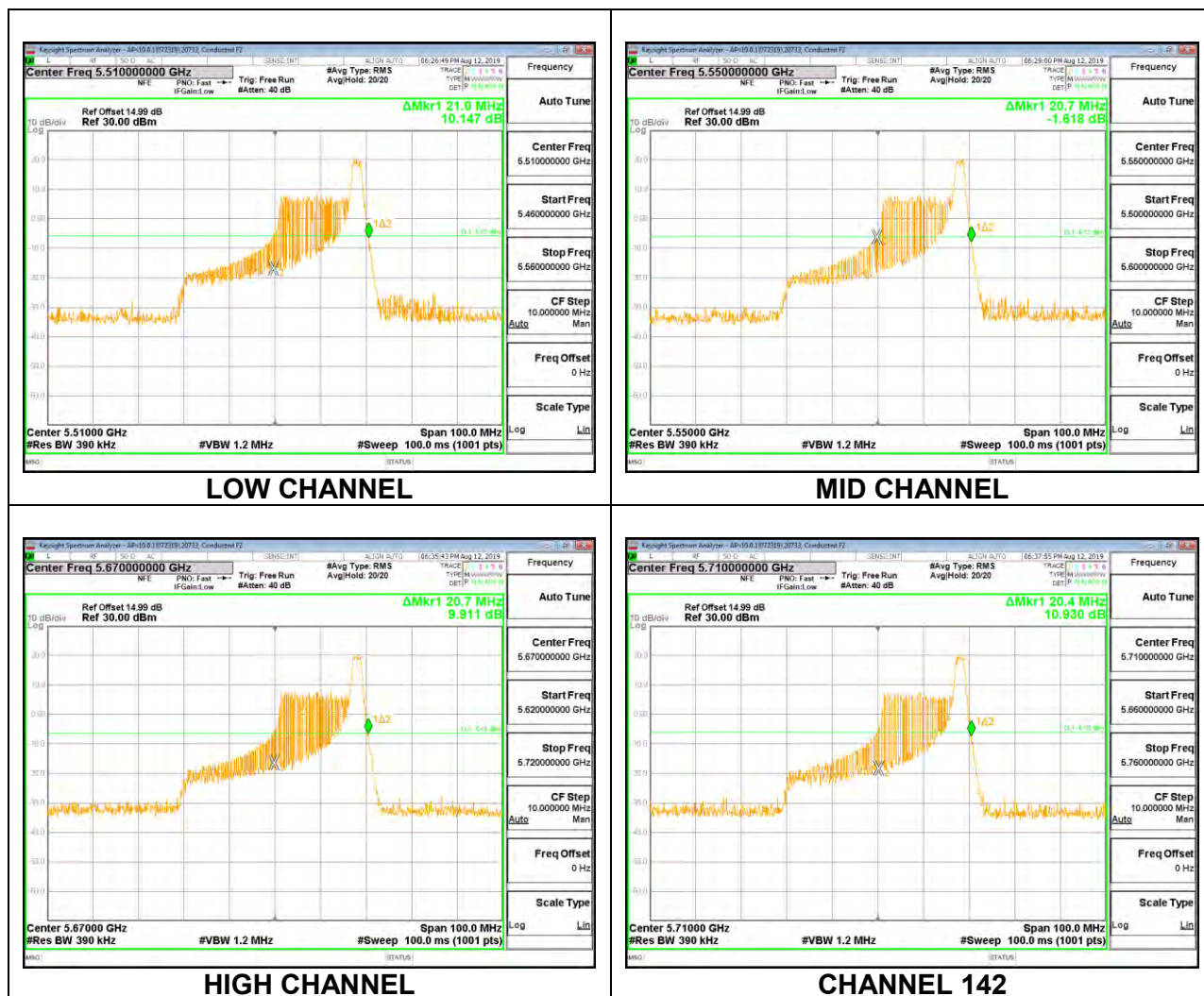
1TX Antenna 6 MODE – 26-Tones, RU Index 8

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	23.30
Mid	5550	23.00
High	5670	22.20
142	5710	23.10



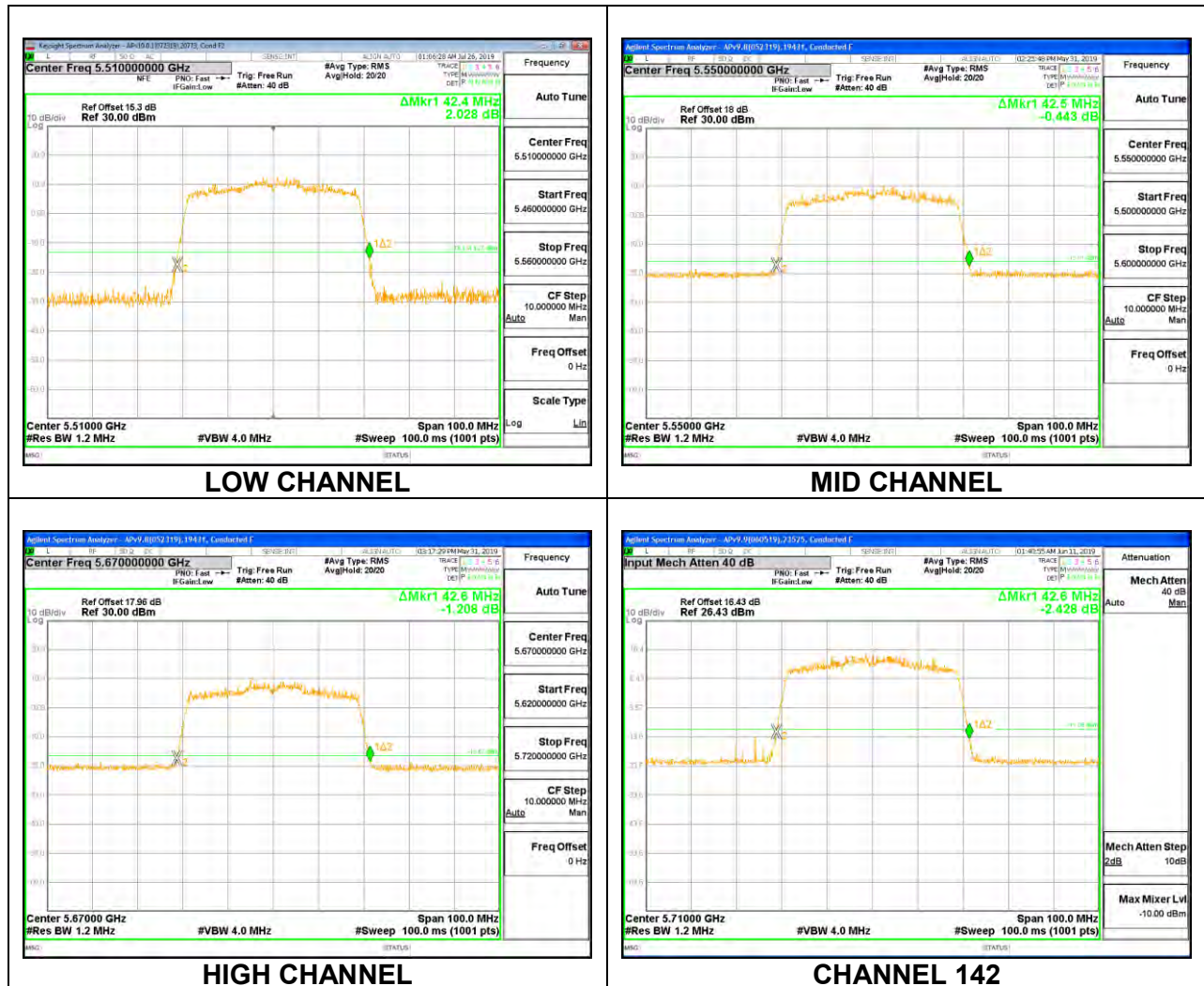
1TX Antenna 6 MODE – 26-Tones, RU Index 17

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	21.00
Mid	5550	20.70
High	5670	20.70
142	5710	20.40



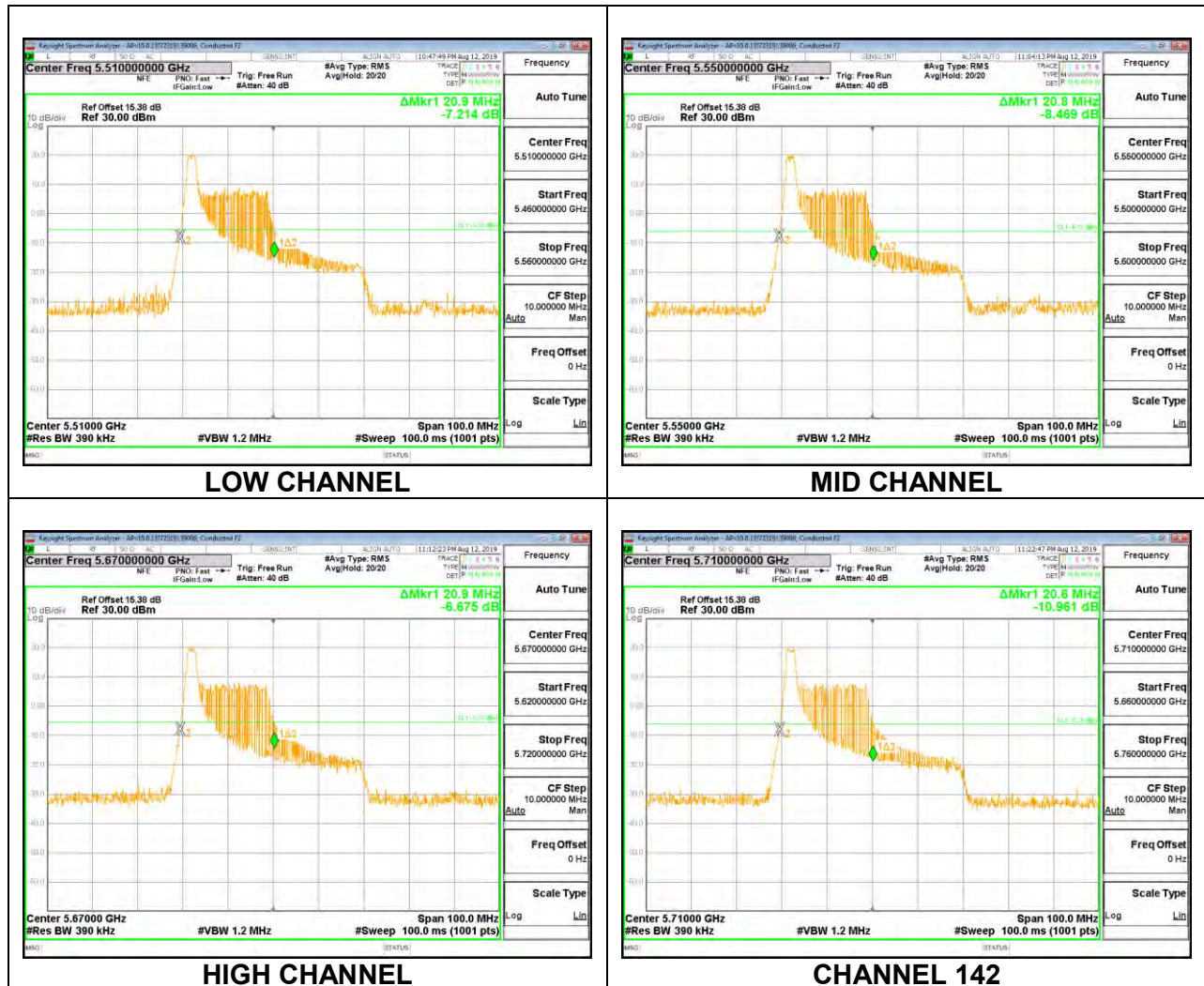
1TX Antenna 5 MODE – 484-Tones, RU Index 65

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	42.40
Mid	5550	42.50
High	5670	42.60
142	5710	42.60



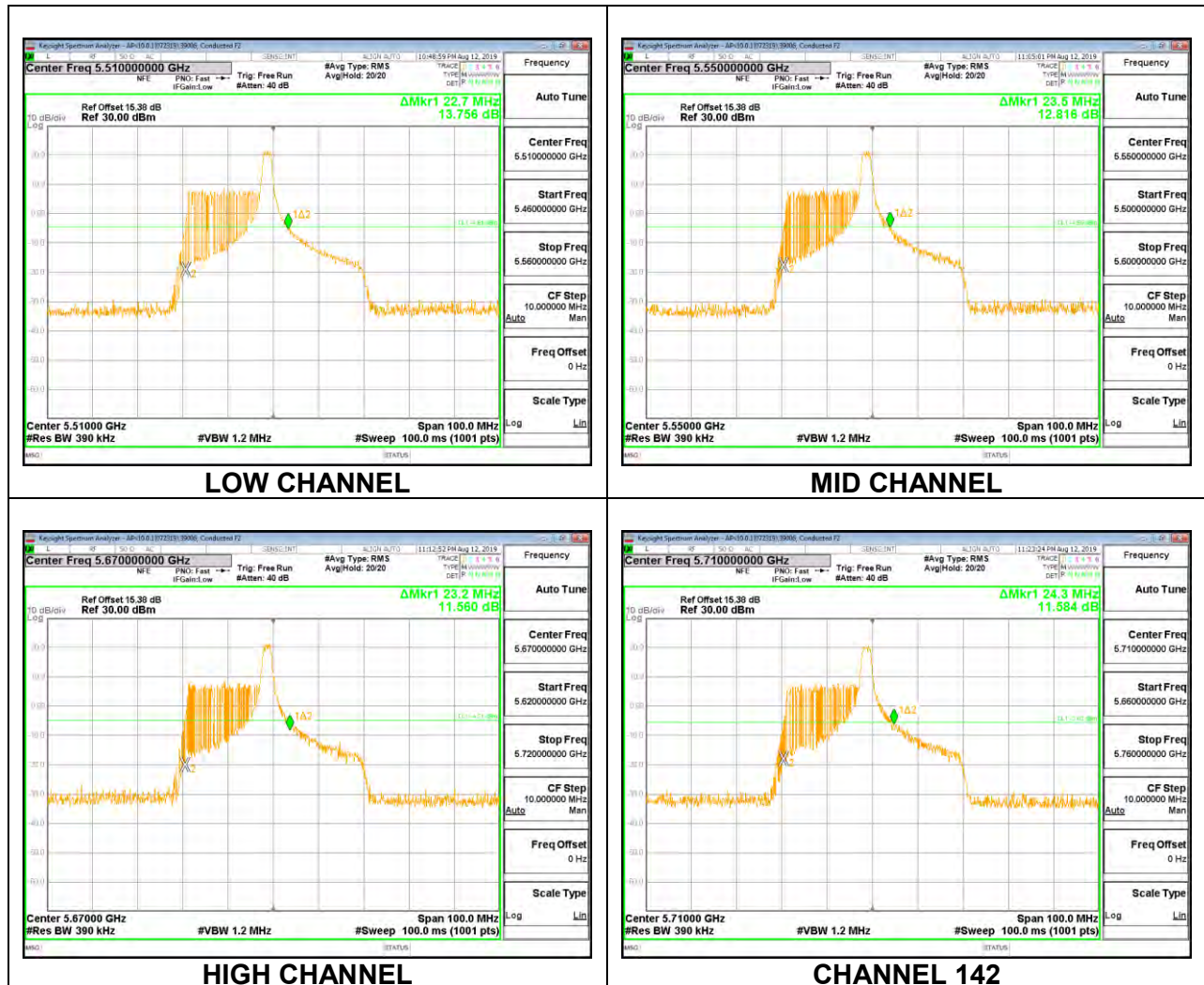
1TX Antenna 5 MODE – 26-Tones, RU Index 0

Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	20.90
Mid	5550	20.80
High	5670	20.90
142	5710	20.60



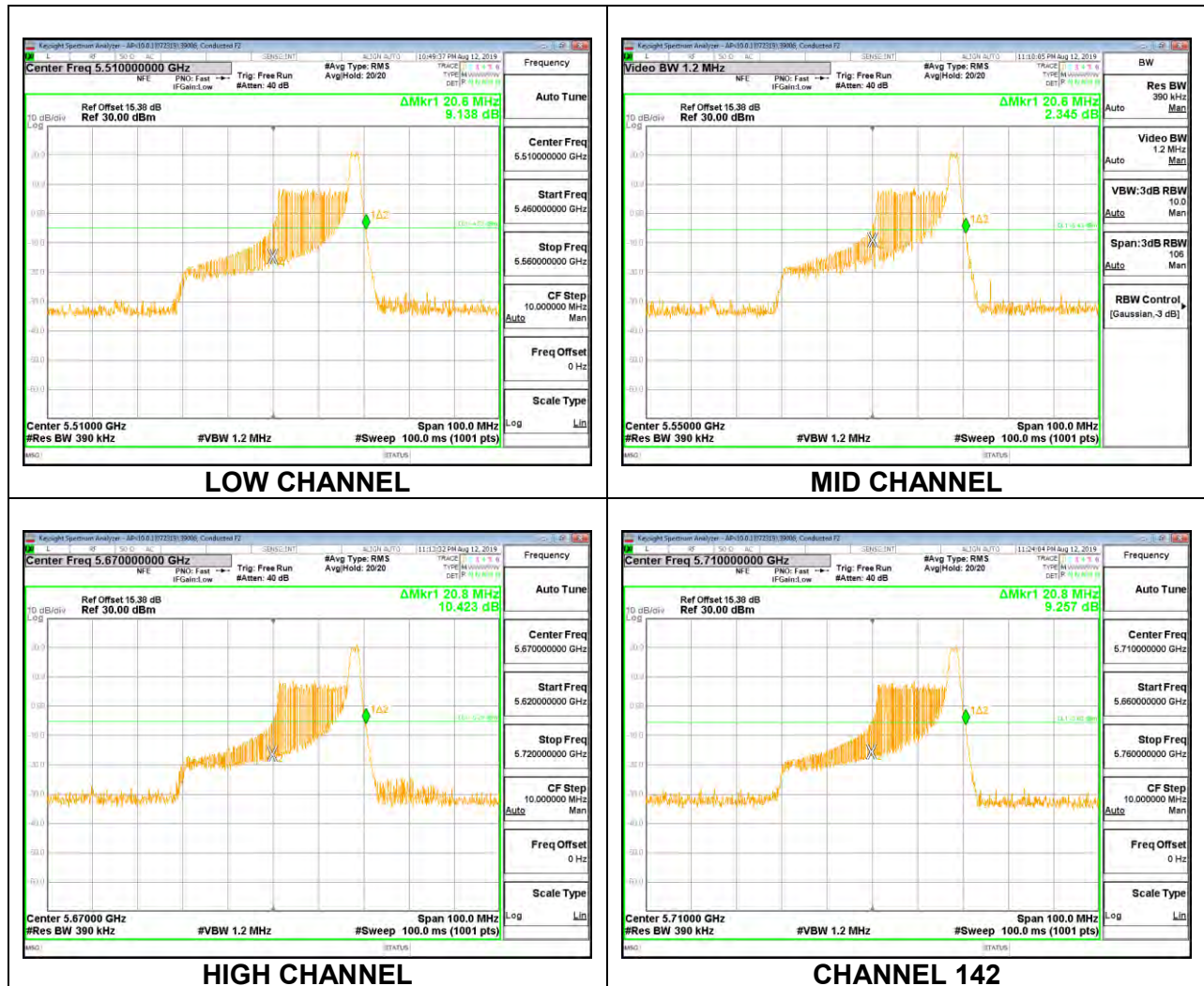
1TX Antenna 5 MODE – 26-Tones, RU Index 8

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)
Low	5510	22.70
Mid	5550	23.50
High	5670	23.20
142	5710	24.30



1TX Antenna 5 MODE – 26-Tones, RU Index 17

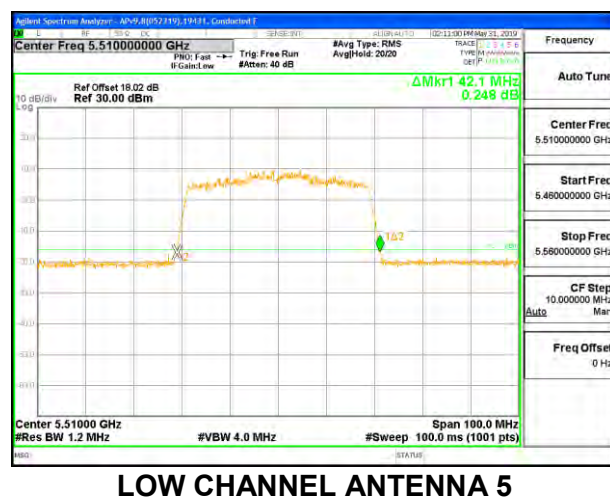
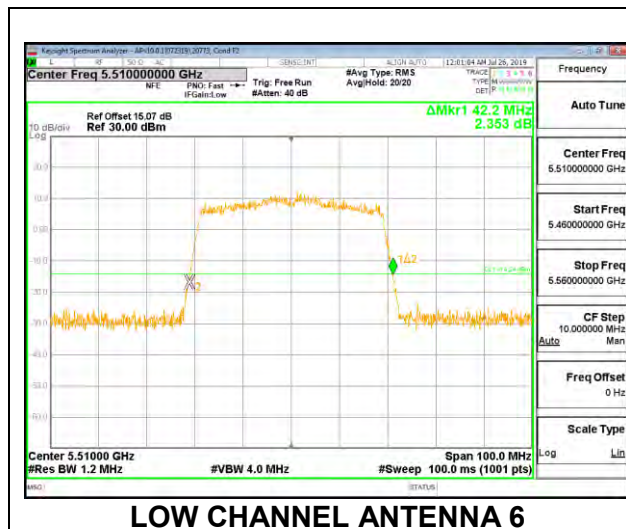
Channel	Frequency	26 dB Bandwidth
	(MHz)	(MHz)
Low	5510	20.60
Mid	5550	20.60
High	5670	20.80
142	5710	20.80



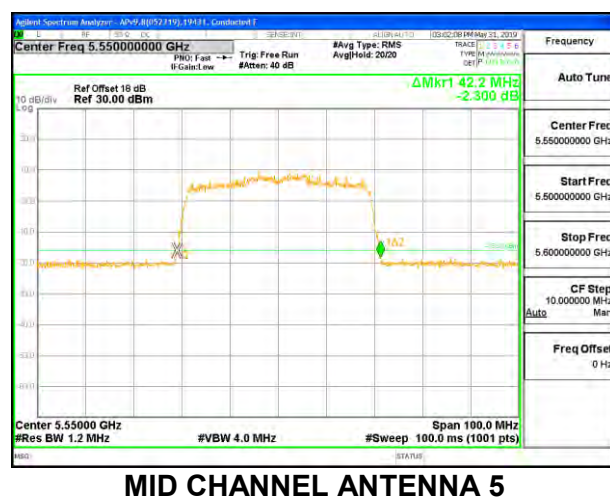
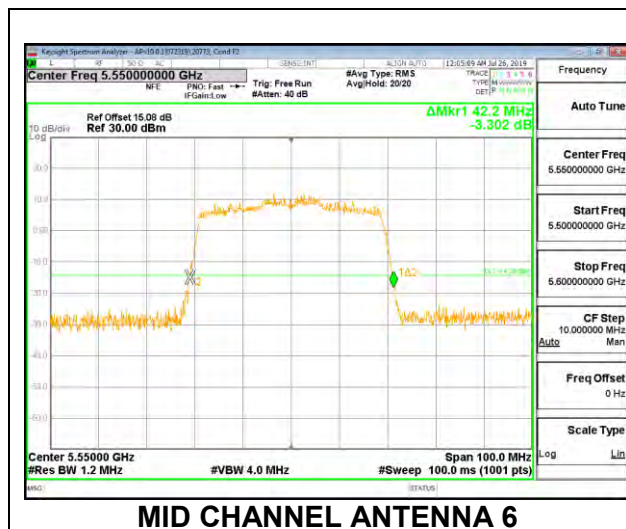
2TX Antenna 6 + Antenna 5 OFDMA MODE – 484-Tones, RU Index 65

Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
5510	42.20	42.10
5550	42.20	42.20
5670	42.60	42.20
5710	42.60	41.90

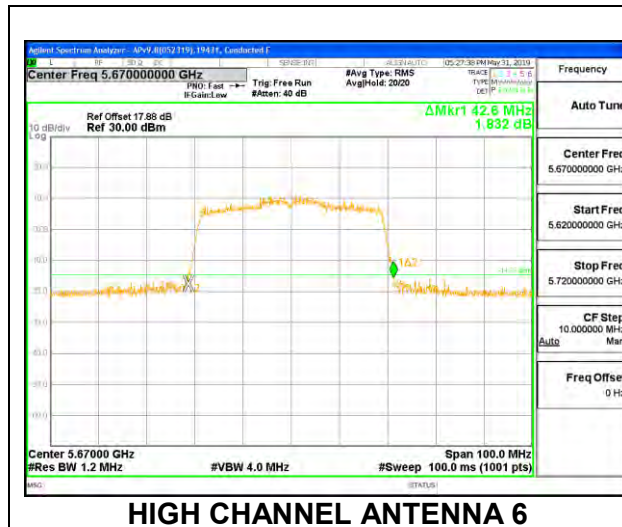
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

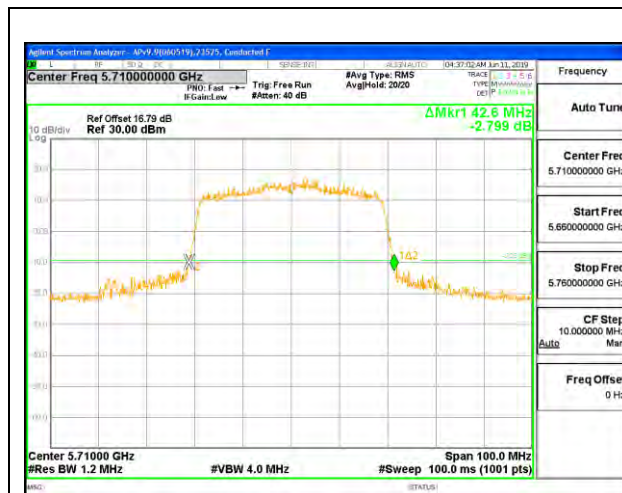


HIGH CHANNEL ANTENNA 6



HIGH CHANNEL ANTENNA 5

CHANNEL 142



CHANNEL 142 ANTENNA 6

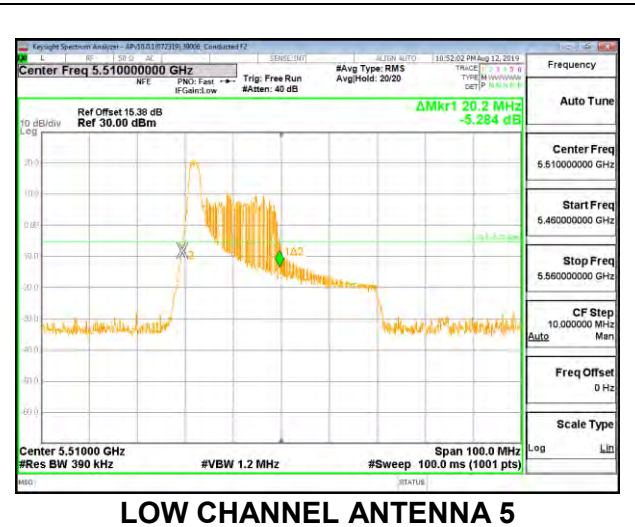
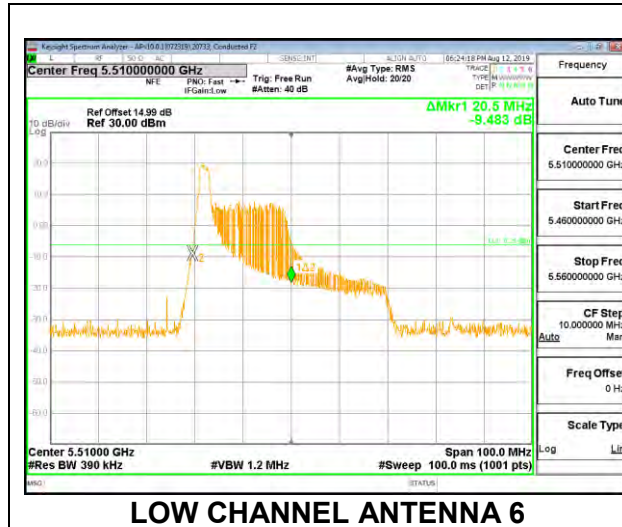


CHANNEL 142 ANTENNA 5

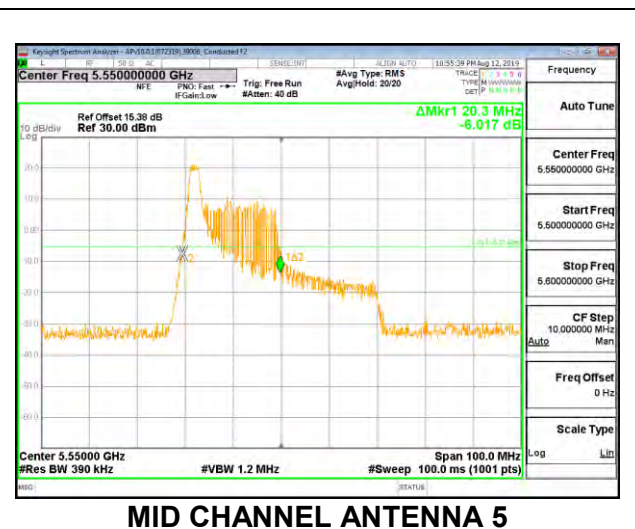
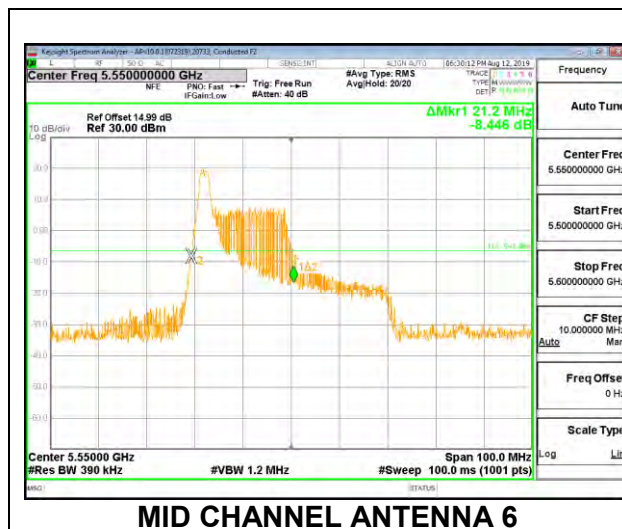
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 0

Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
5510	20.50	20.20
5550	21.20	20.30
5670	20.50	20.00
5710	20.60	20.10

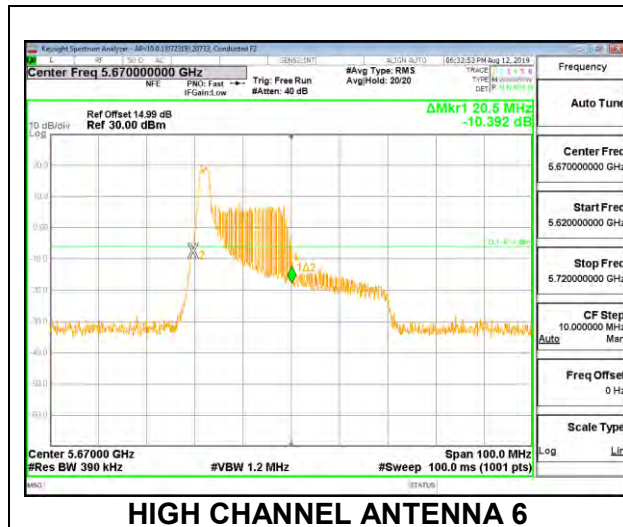
LOW CHANNEL



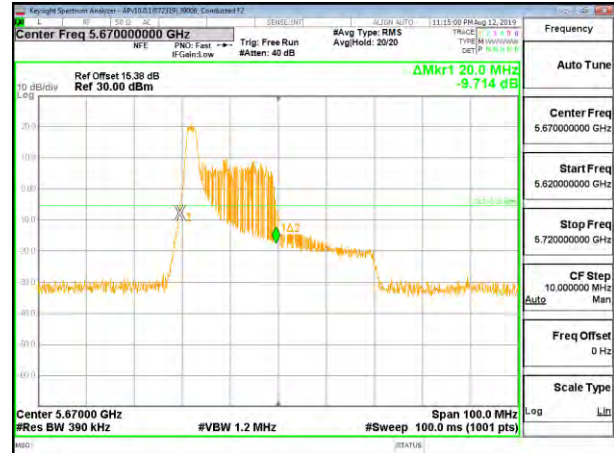
MID CHANNEL



HIGH CHANNEL

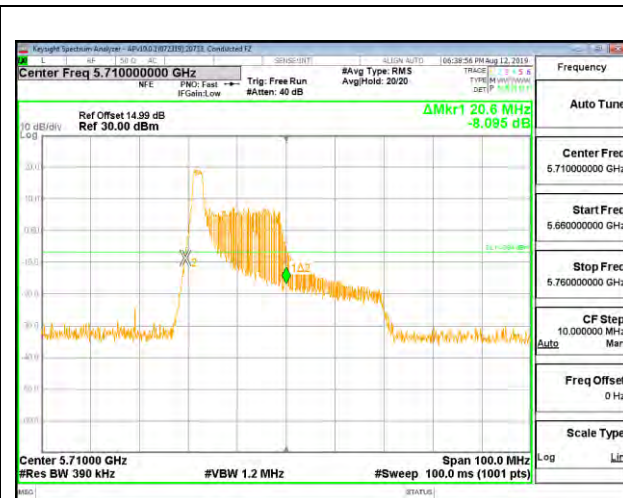


HIGH CHANNEL ANTENNA 6

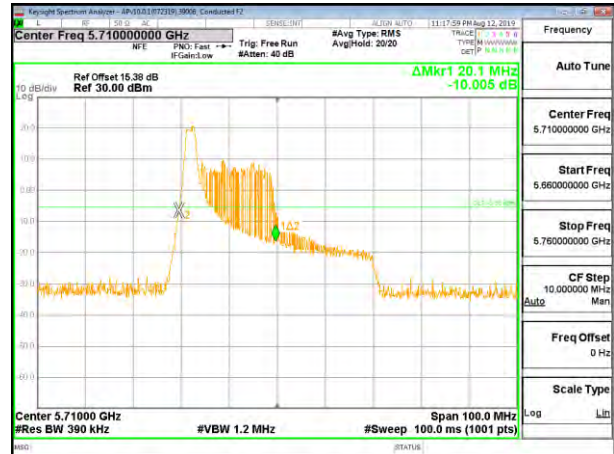


HIGH CHANNEL ANTENNA 5

CHANNEL 142



CHANNEL 142 ANTENNA 6

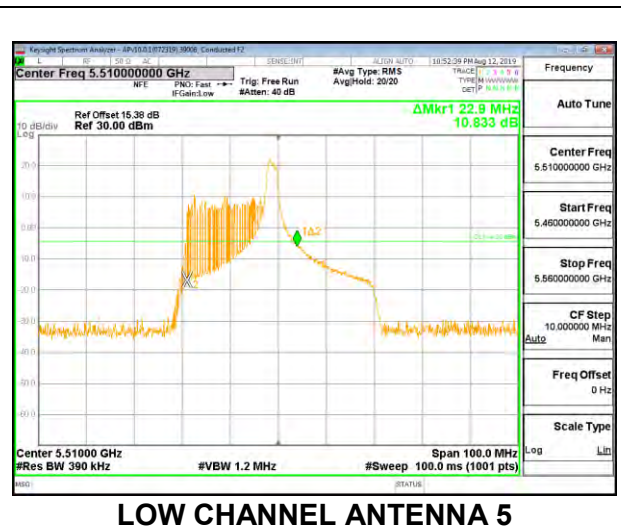
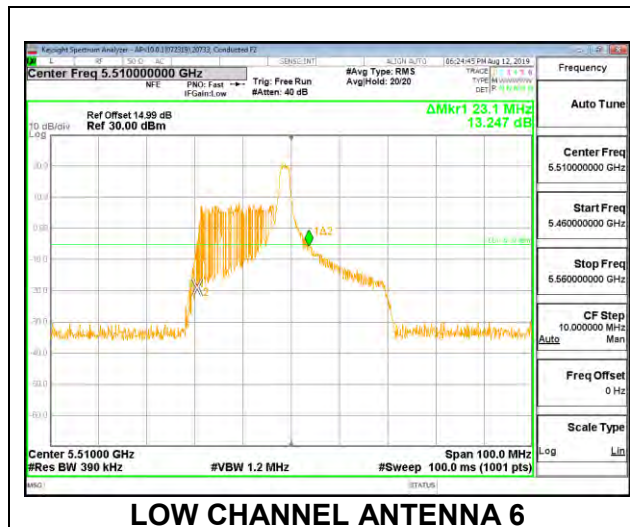


CHANNEL 142 ANTENNA 5

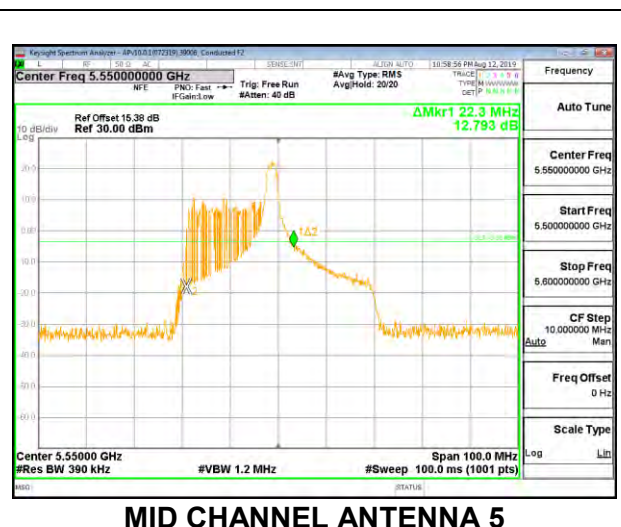
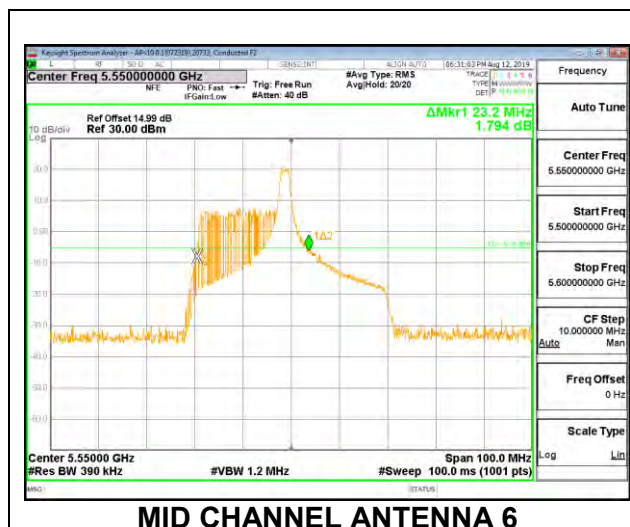
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 8

Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
5510	23.10	22.90
5550	23.20	22.30
5670	23.30	23.20
5710	23.00	23.40

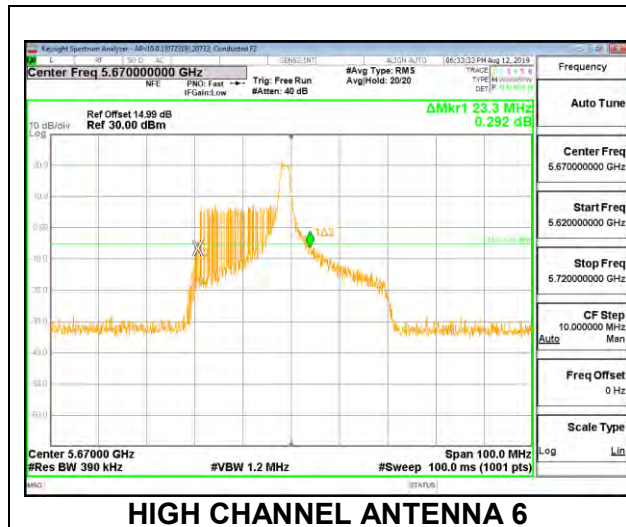
LOW CHANNEL



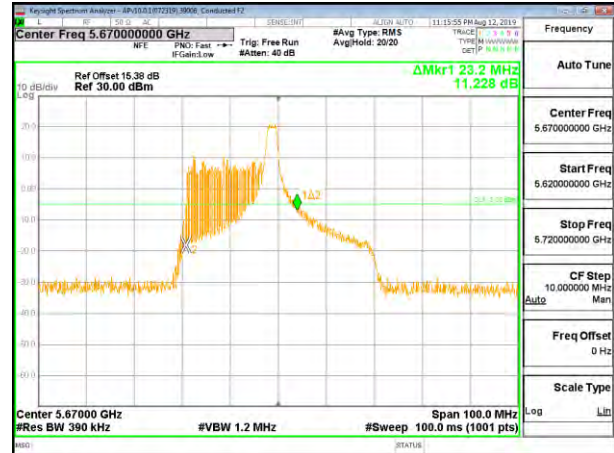
MID CHANNEL



HIGH CHANNEL

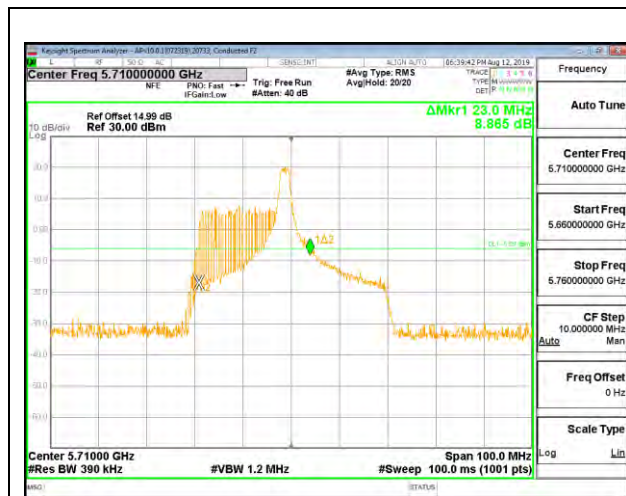


HIGH CHANNEL ANTENNA 6

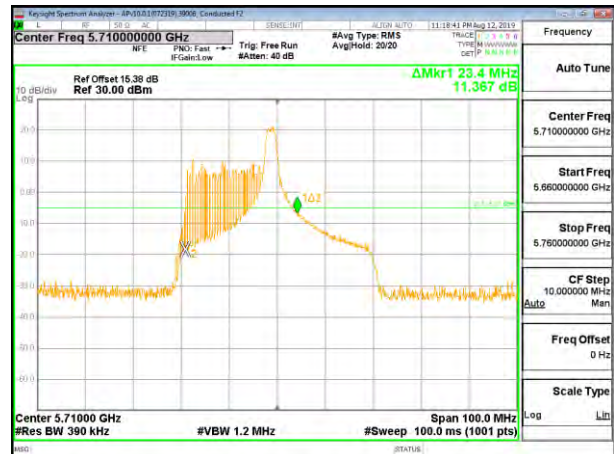


HIGH CHANNEL ANTENNA 5

CHANNEL 142



CHANNEL 142 ANTENNA 6

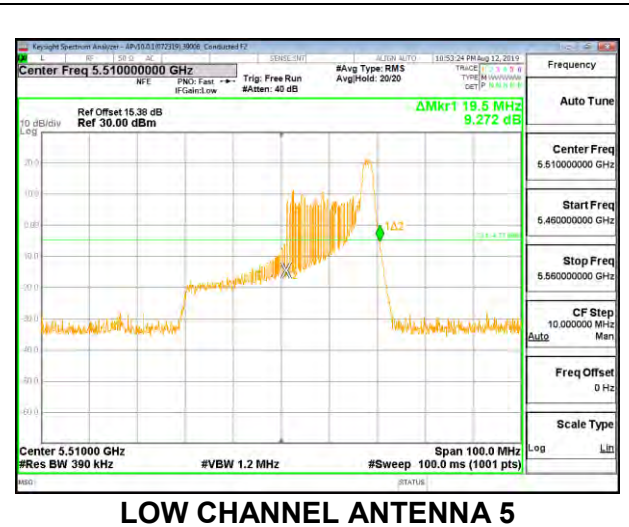
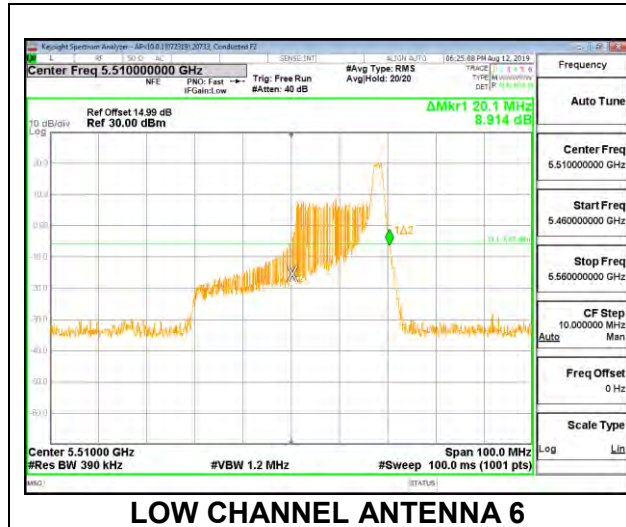


CHANNEL 142 ANTENNA 5

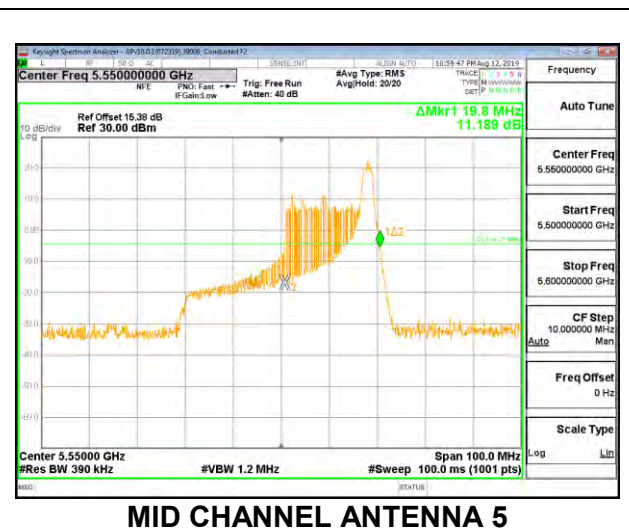
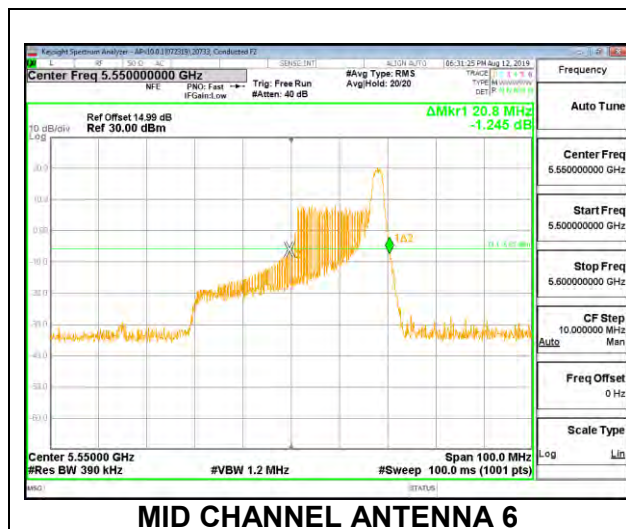
2TX Antenna 6 + Antenna 5 OFDMA MODE – 26-Tones, RU Index 17

Channel	Frequency (MHz)	26 dB Bandwidth Antenna 6 (MHz)	26 dB Bandwidth Antenna 5 (MHz)
Low	5510	20.10	19.50
Mid	5550	20.80	19.80
High	5670	20.80	19.70
142	5710	20.50	19.50

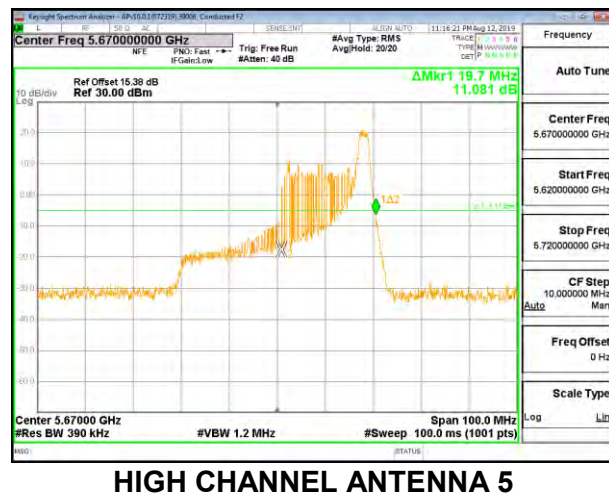
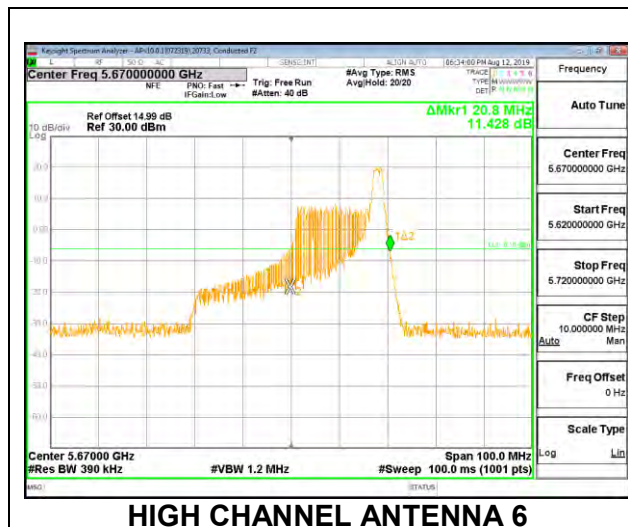
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

