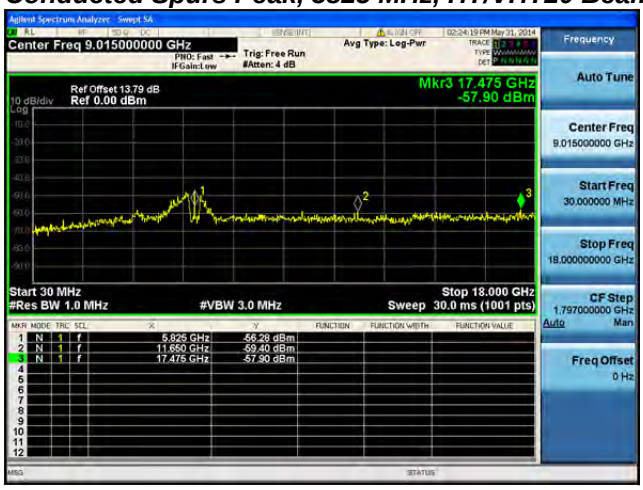
Conducted Spurs Peak, 5825 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3

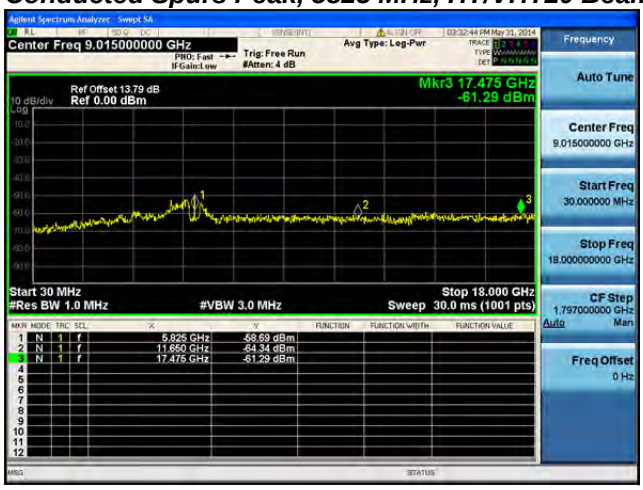


Antenna A

Antenna B

Antenna C

Conducted Spurs Peak, 5825 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



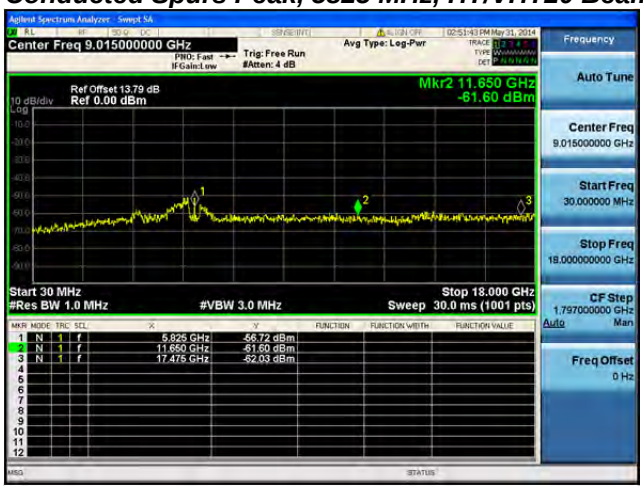
Antenna A

Antenna B

Antenna C

Antenna D

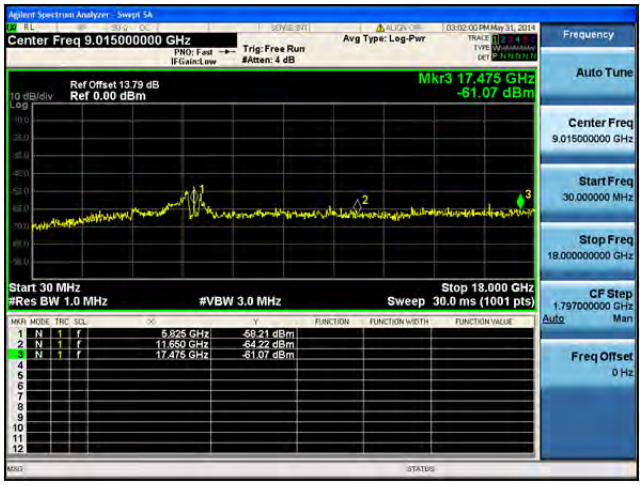
Conducted Spurs Peak, 5825 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



Antenna A

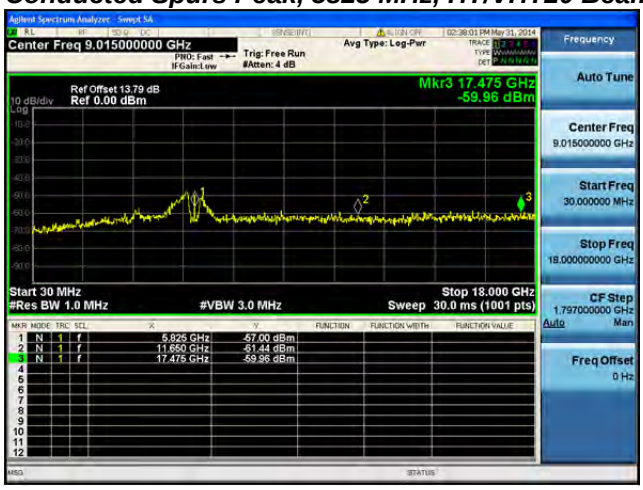
Antenna B

Antenna C



Antenna D

Conducted Spurs Peak, 5825 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3



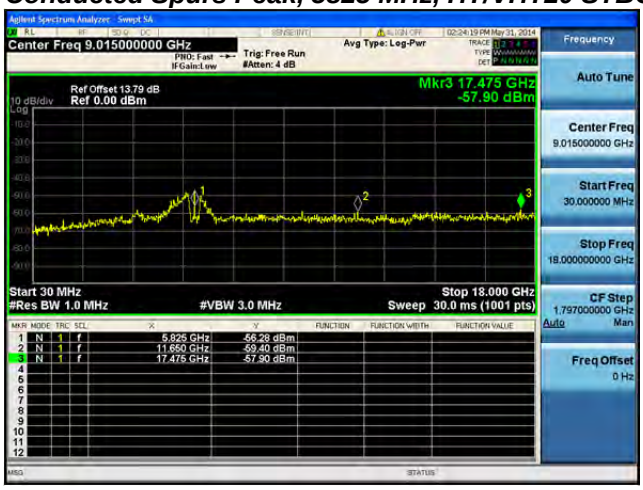
Antenna A

Antenna B

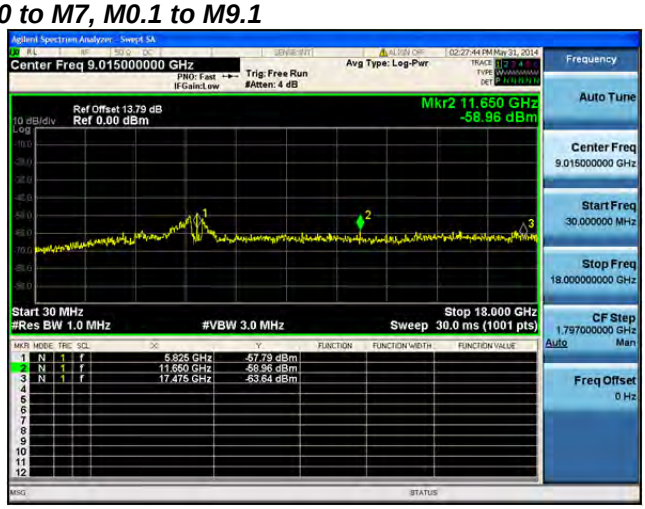
Antenna C

Antenna D

Conducted Spurs Peak, 5825 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1

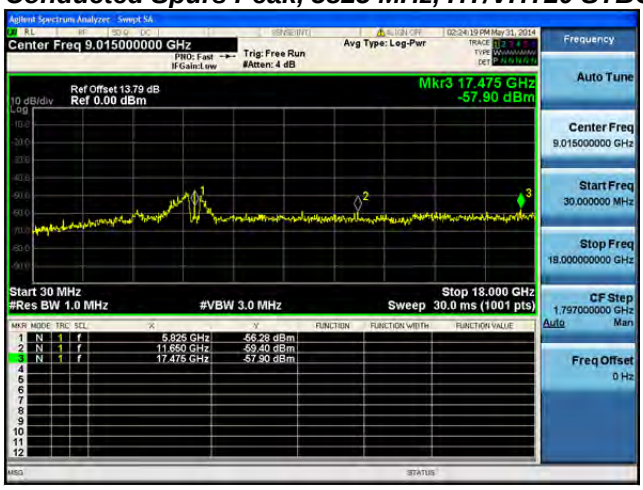


Antenna A

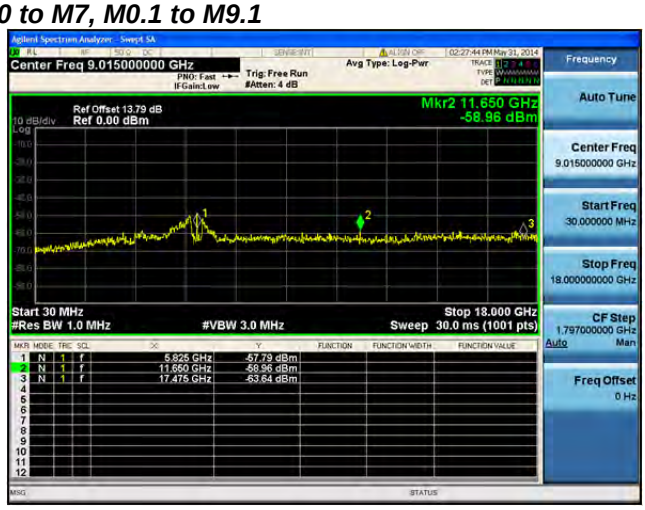


Antenna B

Conducted Spurs Peak, 5825 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



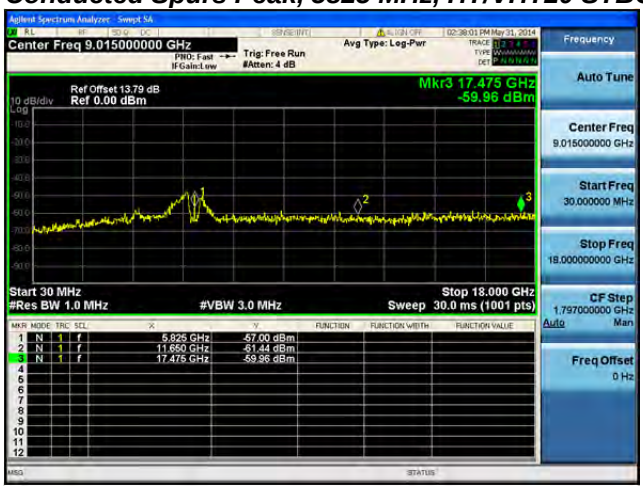
Antenna A



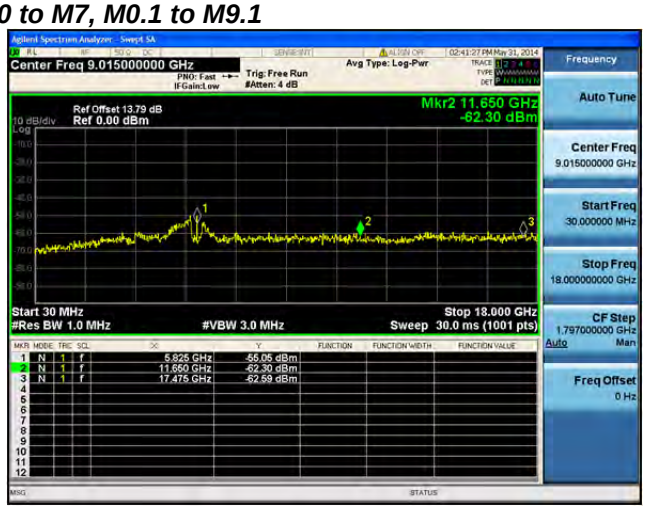
Antenna B

Antenna C

Conducted Spurs Peak, 5825 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B

Antenna C

Antenna D

Conducted Bandedge

15.247: In any 100 kHz bandwidth outside the frequency band in which the digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer).

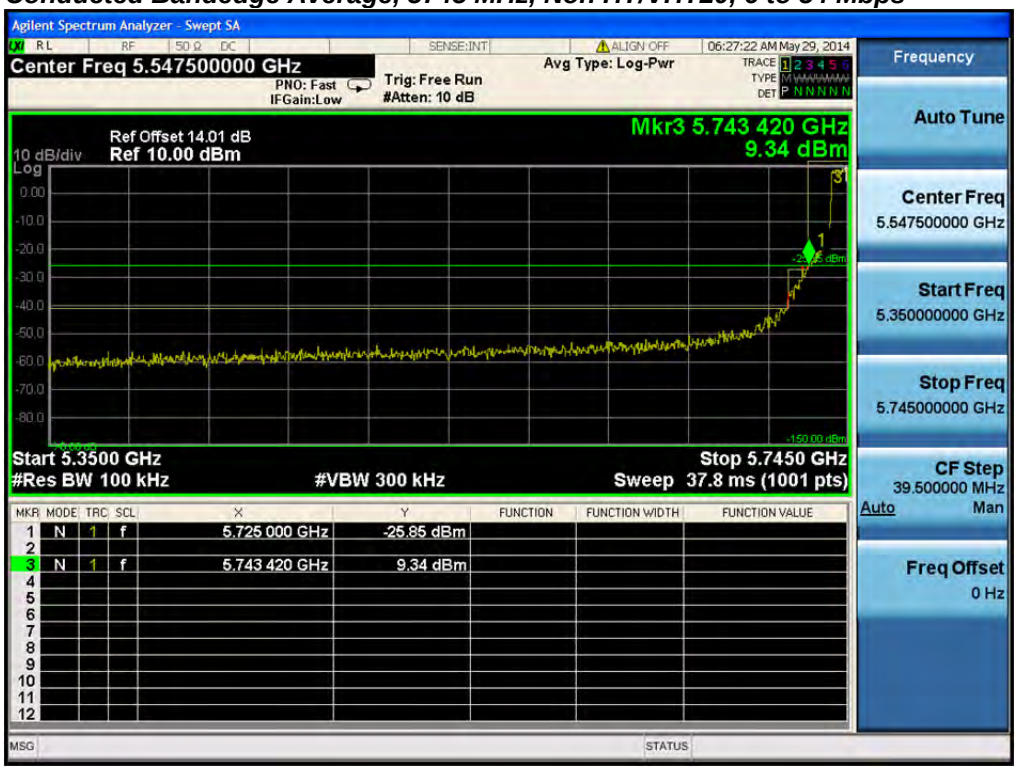
Span:	30 MHz-26 GHz
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	5s
Resolution Bandwidth:	100 kHz
Video Bandwidth:	300 kHz
Detector:	Peak
Trace:	Single
Marker:	Peak

Record the marker waveform peak to spur difference

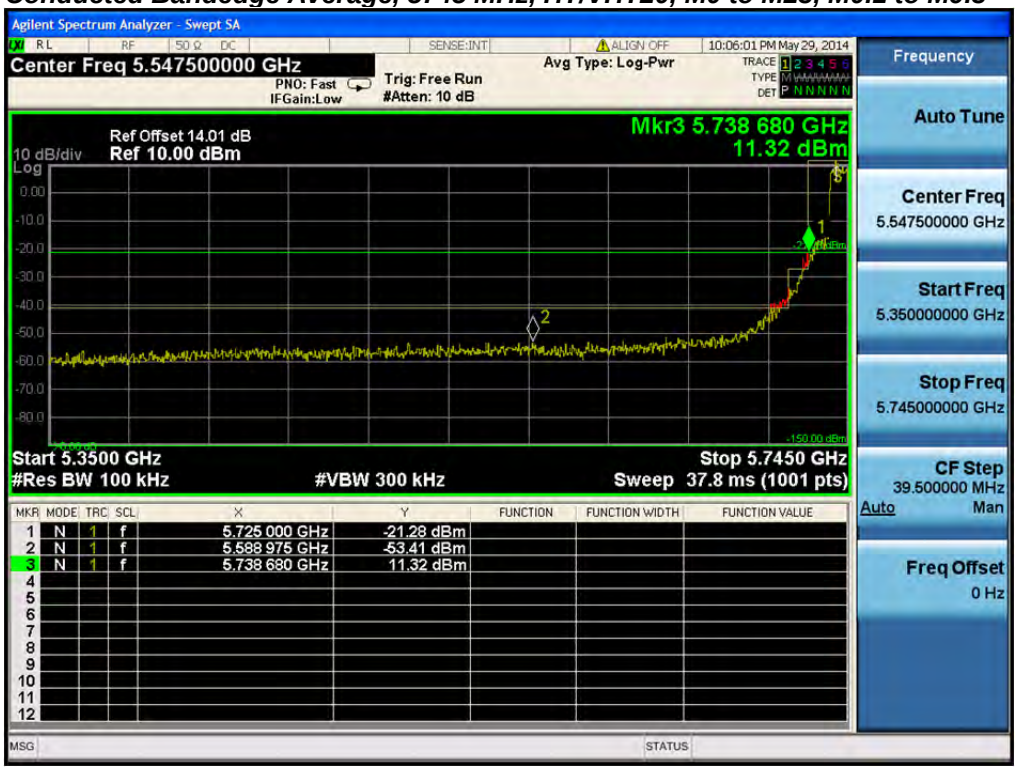
Out-of-band and spurious emissions tests are performed on each output individually without summing or adding 10 log(N) since the measurements are made relative to the in-band emissions on the individual outputs. The worst case output is recorded.

Frequency (MHz)	Mode	Tx Paths	Conducted Bandedge Delta (dB)	Limit (dB c)	Margin (dB)
5745	Non HT/VHT20, 6 to 54 Mbps	6	35.2	>30	5.2
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	32.6	>30	2.6
5755	Non HT/VHT40, 6 to 54 Mbps	6	31.9	>30	1.9
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	32.9	>30	2.9
5775	Non HT/VHT80, 6 to 54 Mbps	6	33.1	>30	3.1
	HT/VHT80, M0 to M23, M0.1 to M9.3	m0x1	30.9	>30	0.9
5795	Non HT/VHT40, 6 to 54 Mbps	6	33.6	>30	3.6
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	42.2	>30	12.2
5825	Non HT/VHT20, 6 to 54 Mbps	6	42.1	>30	12.1
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	37.6	>30	7.6

Conducted Bandedge Average, 5745 MHz, Non HT/VHT20, 6 to 54 Mbps



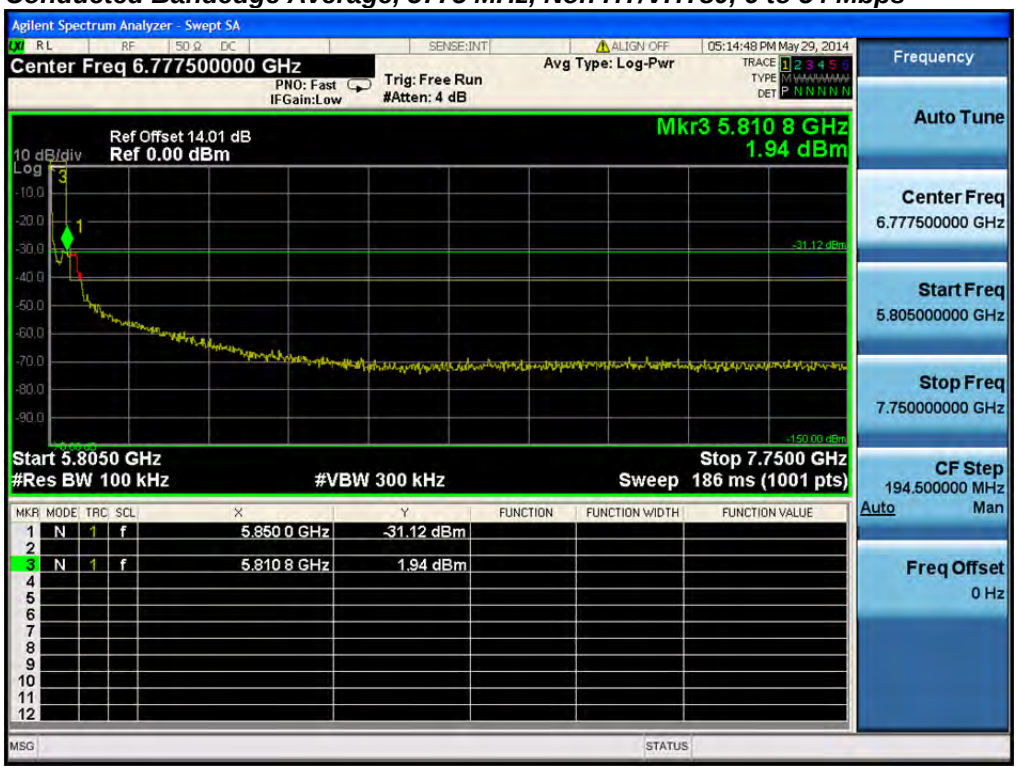
Conducted Bandedge Average, 5745 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3



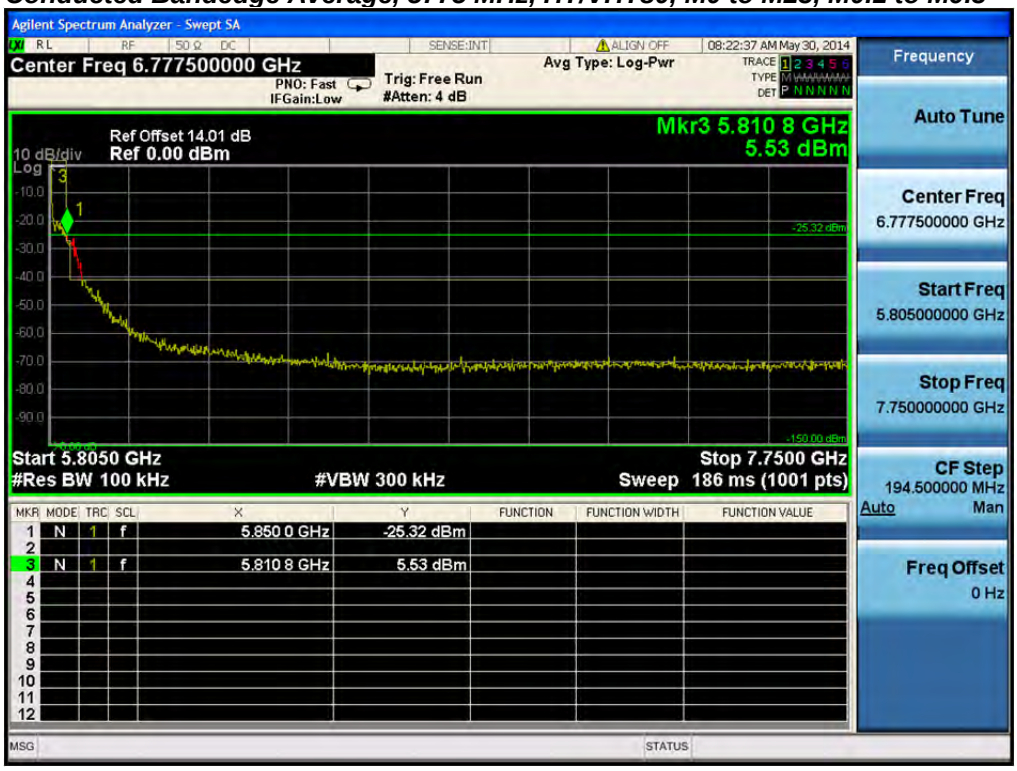
Conducted Bandedge Average, 5755 MHz, Non HT/VHT40, 6 to 54 Mbps

Conducted Bandedge Average, 5755 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3

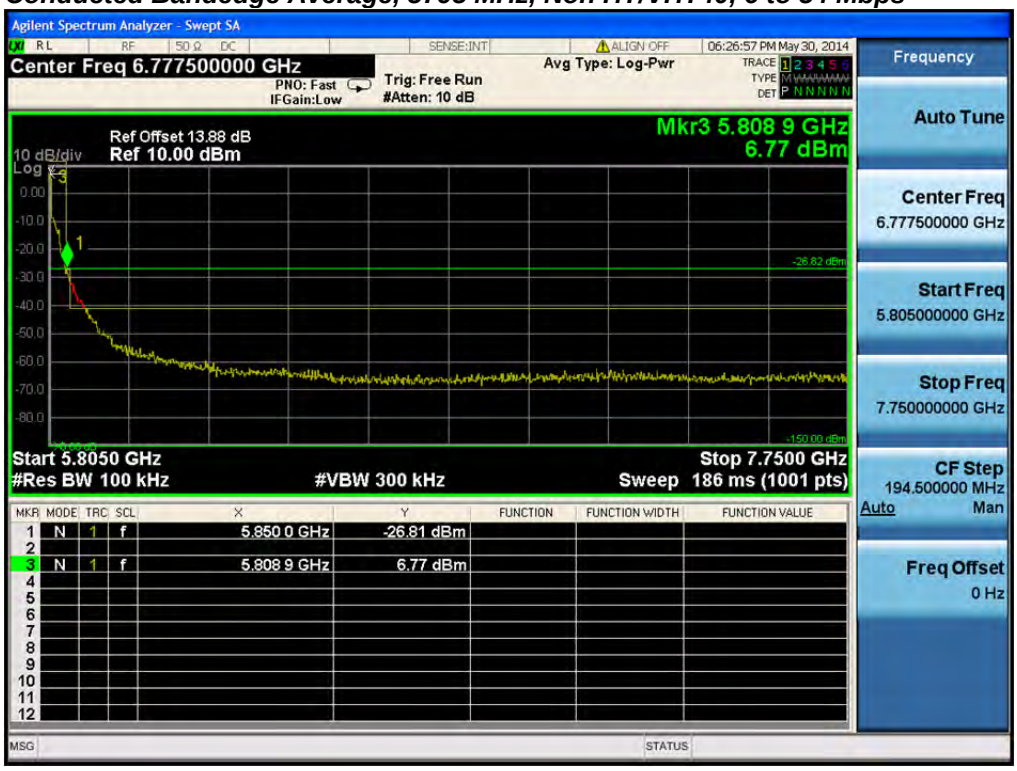
Conducted Bandedge Average, 5775 MHz, Non HT/VHT80, 6 to 54 Mbps



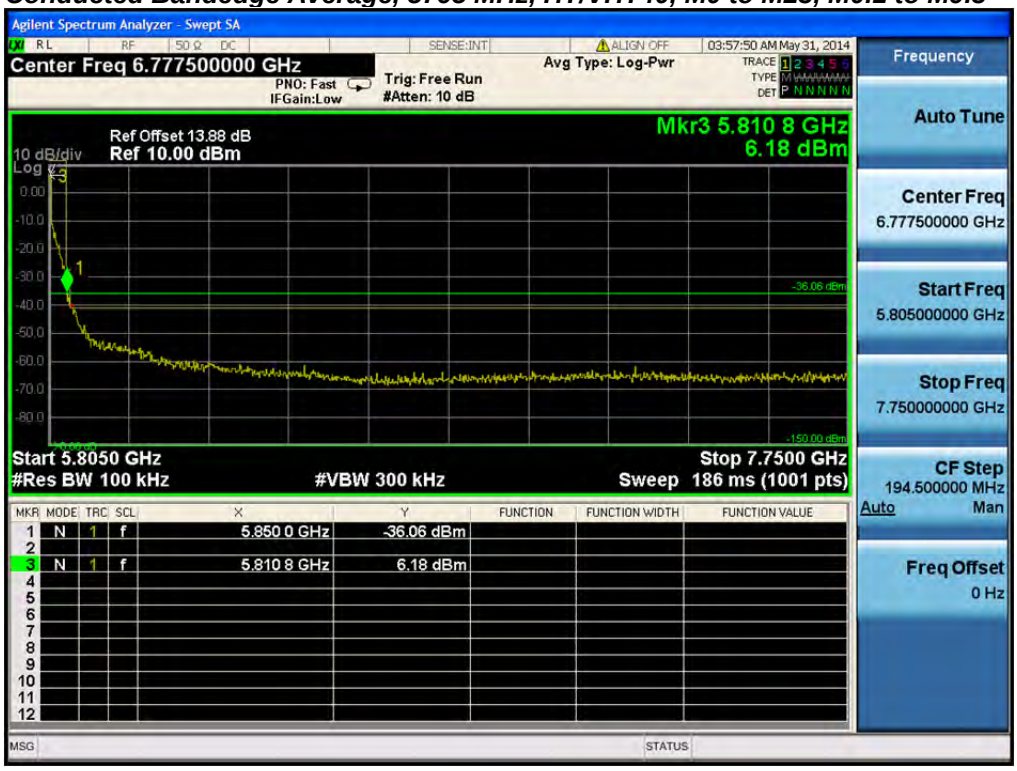
Conducted Bandedge Average, 5775 MHz, HT/VHT80, M0 to M23, M0.1 to M9.3



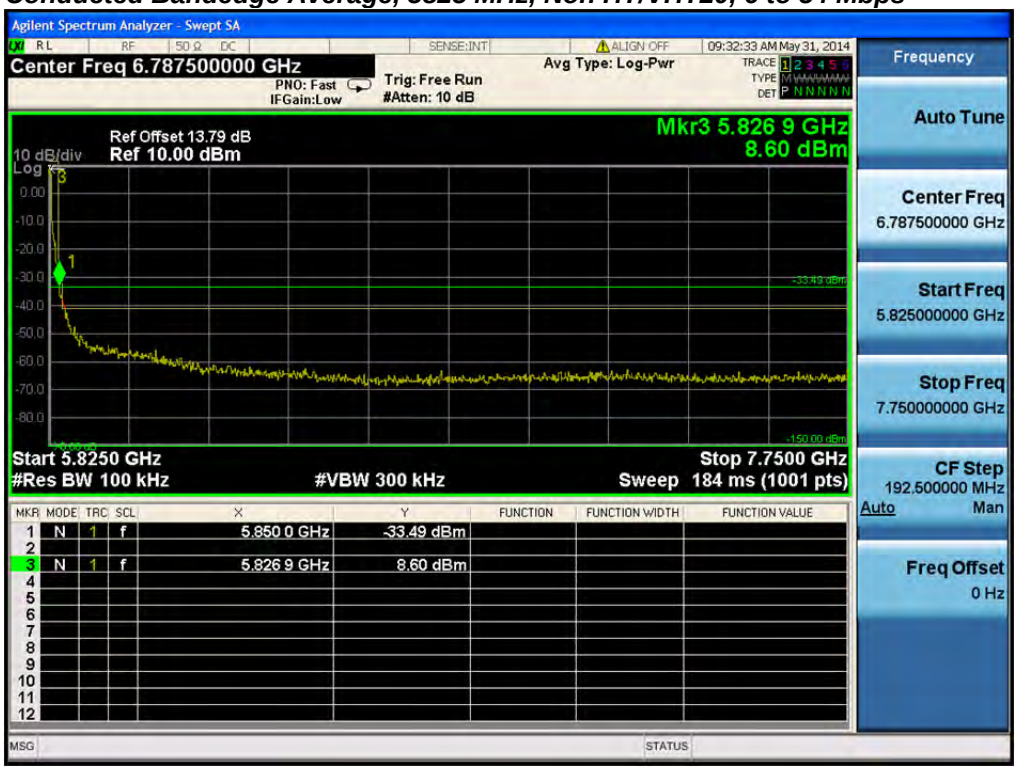
Conducted Bandedge Average, 5795 MHz, Non HT/VHT40, 6 to 54 Mbps



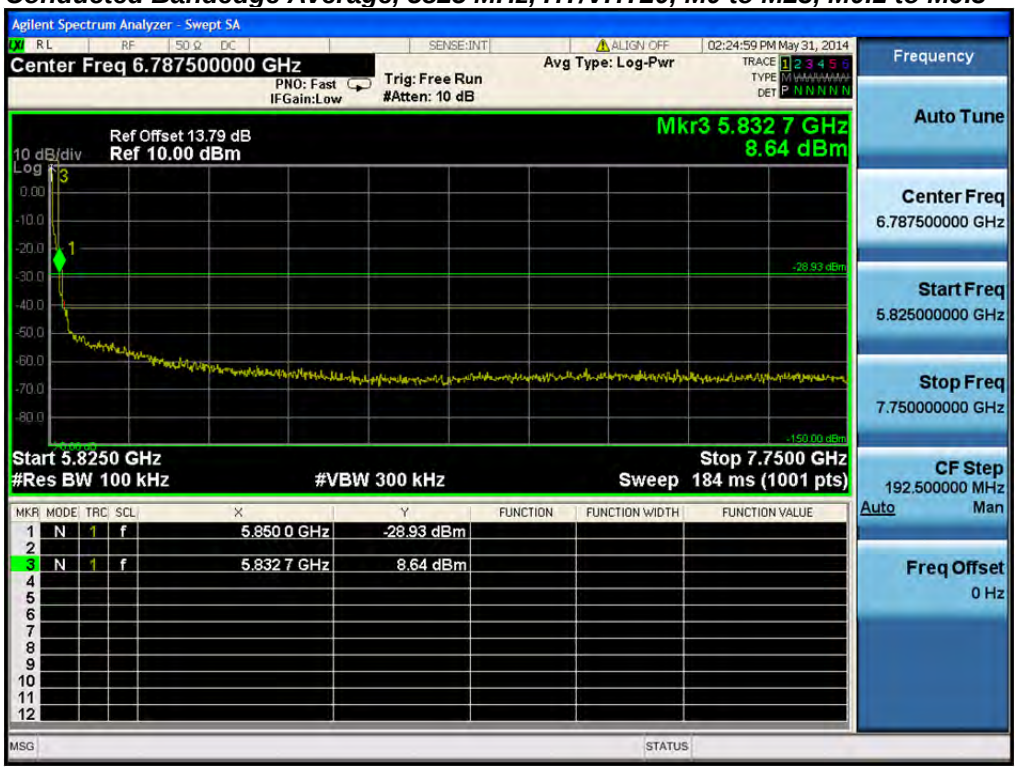
Conducted Bandedge Average, 5795 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3



Conducted Bandedge Average, 5825 MHz, Non HT/VHT20, 6 to 54 Mbps



Conducted Bandedge Average, 5825 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3



Title: Conducted Test Setup

Appendix B: Test Equipment/Software Used to perform the test

Equip #	Manufacturer	Model	Description	Last Cal	Next Due
CIS-50721	Agilent	N9030A	PXA Spectrum Analyzer	4/7/2014	4/7/2015