Appendix B

RF Test Data for 5.8G WLAN (Conducted Measurement)

Product Name: HD wireless video transmitter

Trade Mark: N/A

Test Model: 7061

Environmental Conditions

Temperature:	24.1° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

B.1 Duty Cycle

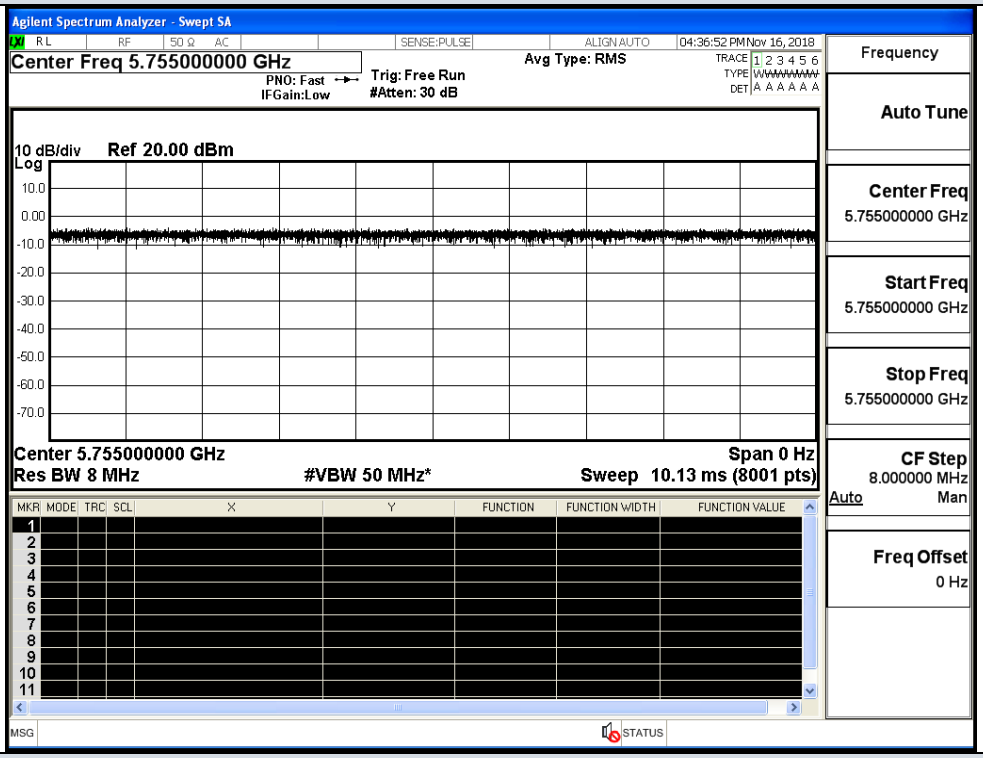
Antenna 0

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11N40	5755	100	0.00	0.01

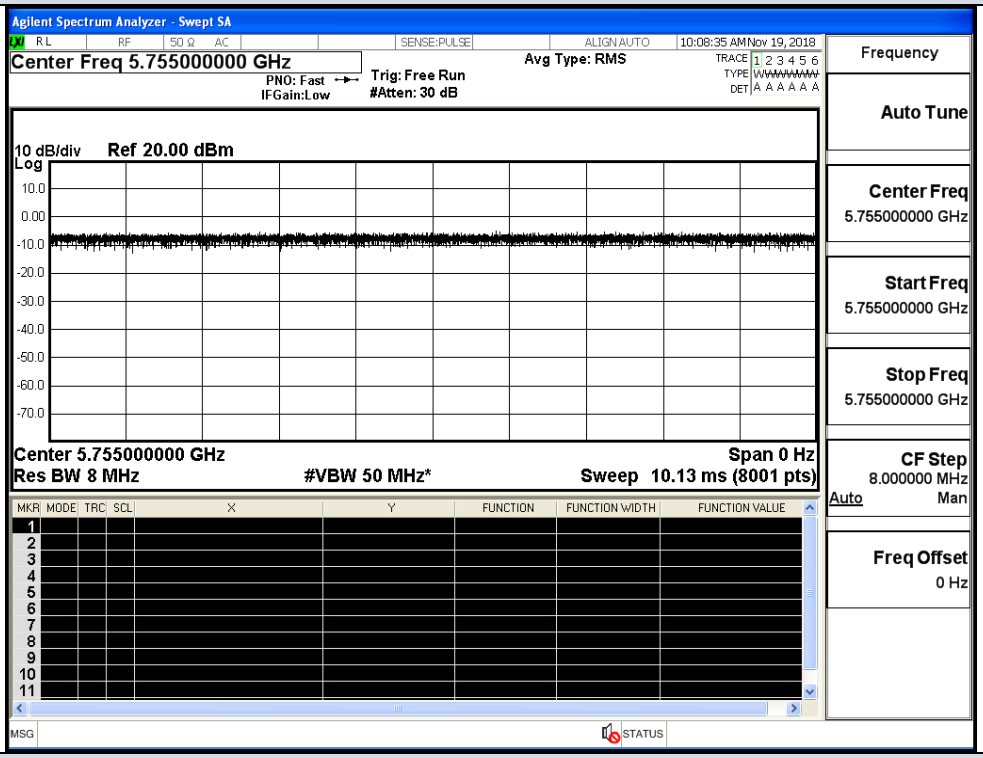
Antenna 1

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW(KHz)
11N40	5755	100	0.00	0.01

On Time and Duty Cycle



IEEE 802.11n HT40_Ant0



IEEE 802.11n HT40_Ant1

B.2 Maximum Conduct Output Power

Antenna 0

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)	Limit (dBm)
11N40	151	5755	13.38	0	13.38	30
	159	5795	11.41	0	11.41	

Antenna 1

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)	Limit (dBm)
11N40	151	5755	11.98	0	11.98	30
	159	5795	10.26	0	10.26	

Antenna 0+Antenna 1

Test Mode	Channel	Frequency (MHz)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)			Limit (dBm)
				Ant0	Ant1	Sum	
11N40	151	5755	0	13.38	11.98	15.75	30
	159	5795	0	11.41	10.26	13.88	

B.3 Power Spectral Density

Antenna 0

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)
11N40	151	5755	-3.659	0	2.218	-1.441	30
	159	5795	-5.832	0	2.218	-3.614	

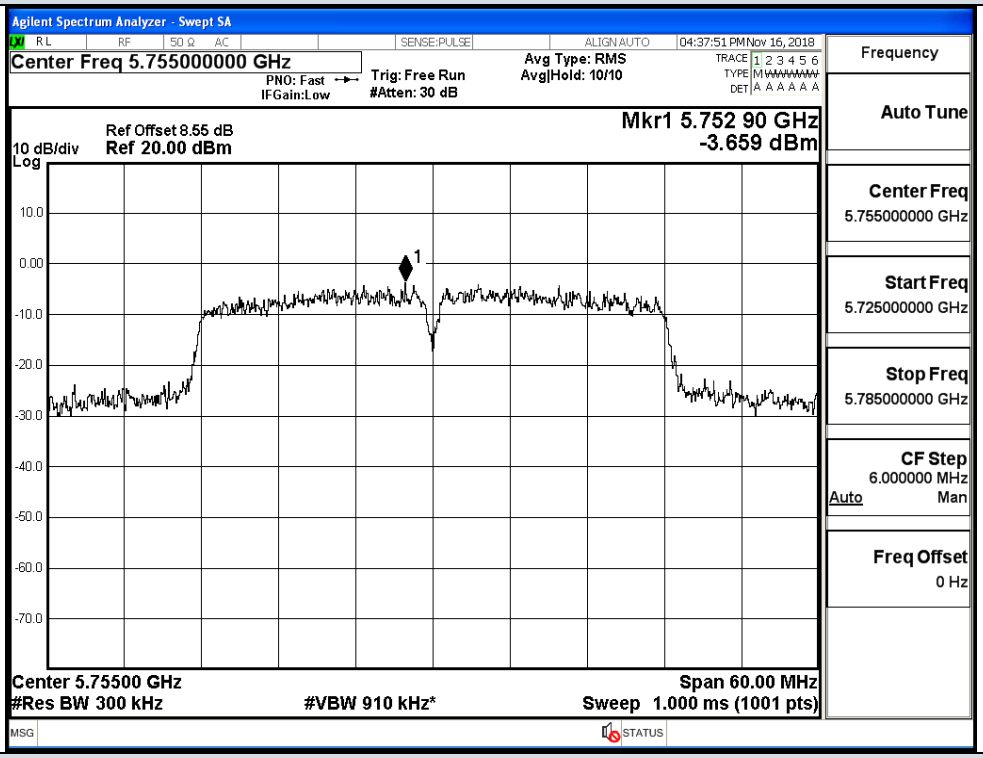
Antenna 1

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/500KHz)	Limit (dBm/500KHz)
11N40	151	5755	-5.561	0	2.218	-3.343	30
	159	5795	-5.916	0	2.218	-3.698	

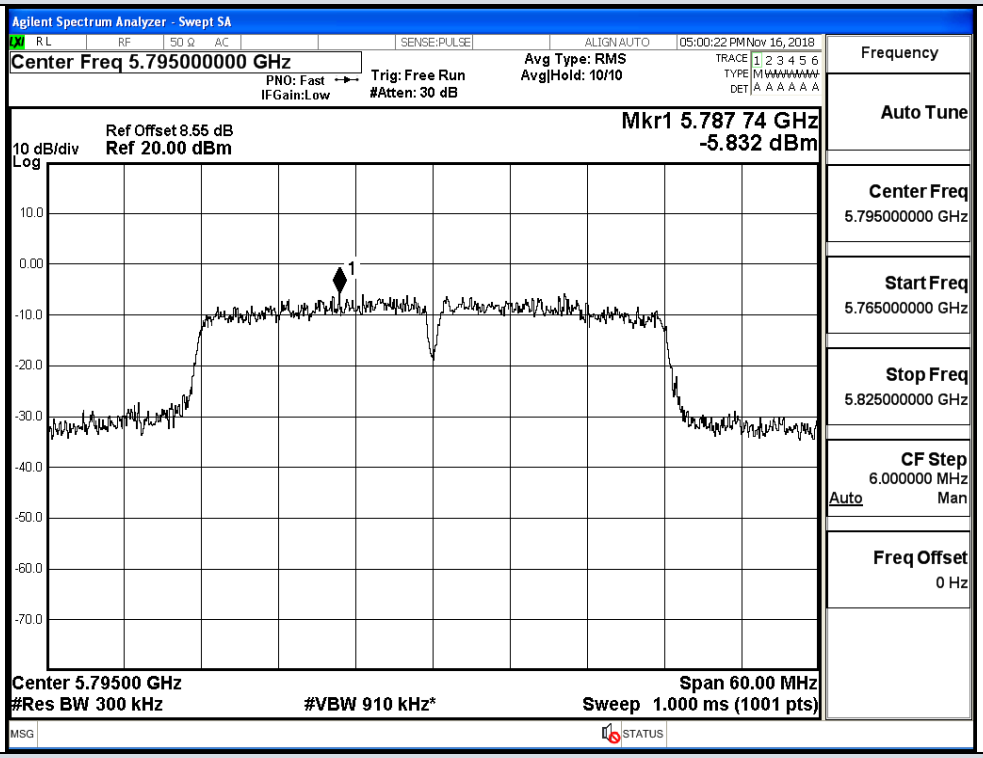
Antenna 0+Antenna 1

Test Mode	Channel	Frequency (MHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/MHz)			Limit (dBm/MHz)
					Ant0	Ant1	Sum	
11N40	151	5755	0	2.218	-1.441	-3.343	0.722	27.99
	159	5795	0	2.218	-3.614	-3.698	-0.645	

Power Spectral Density

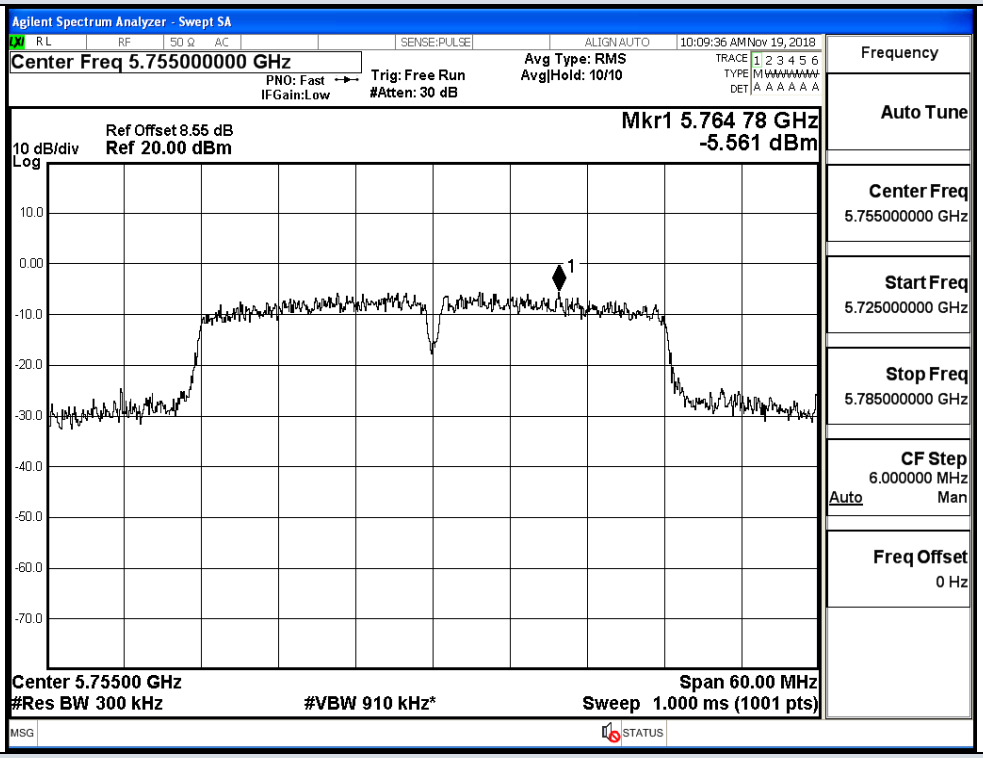


IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant0

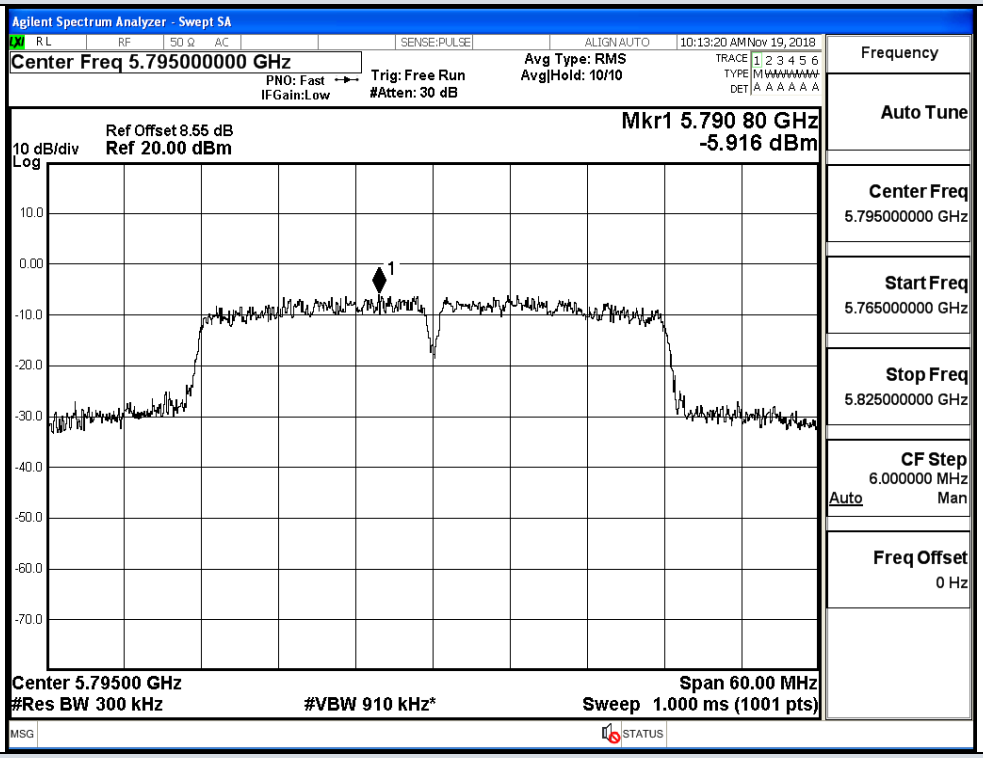


IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant0

Power Spectral Density



IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant1



IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant1

B.4 Emission Bandwidth

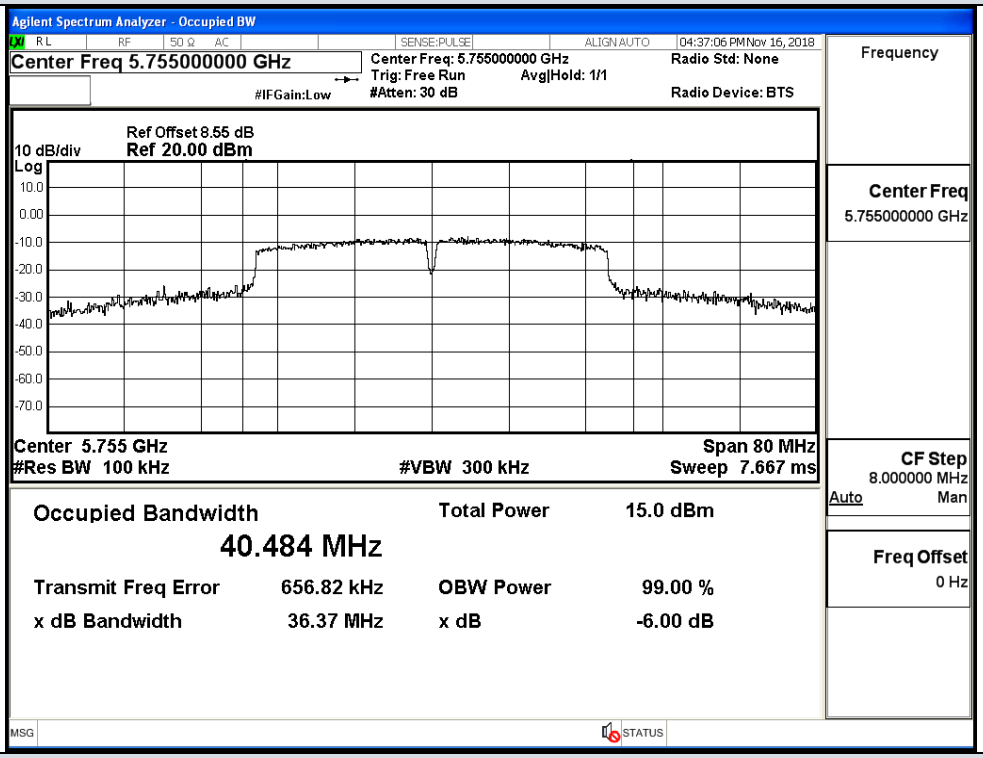
Antenna 0

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
11N40	151	5755	36.370	35.780	>=0.5
	159	5795	36.400	35.600	

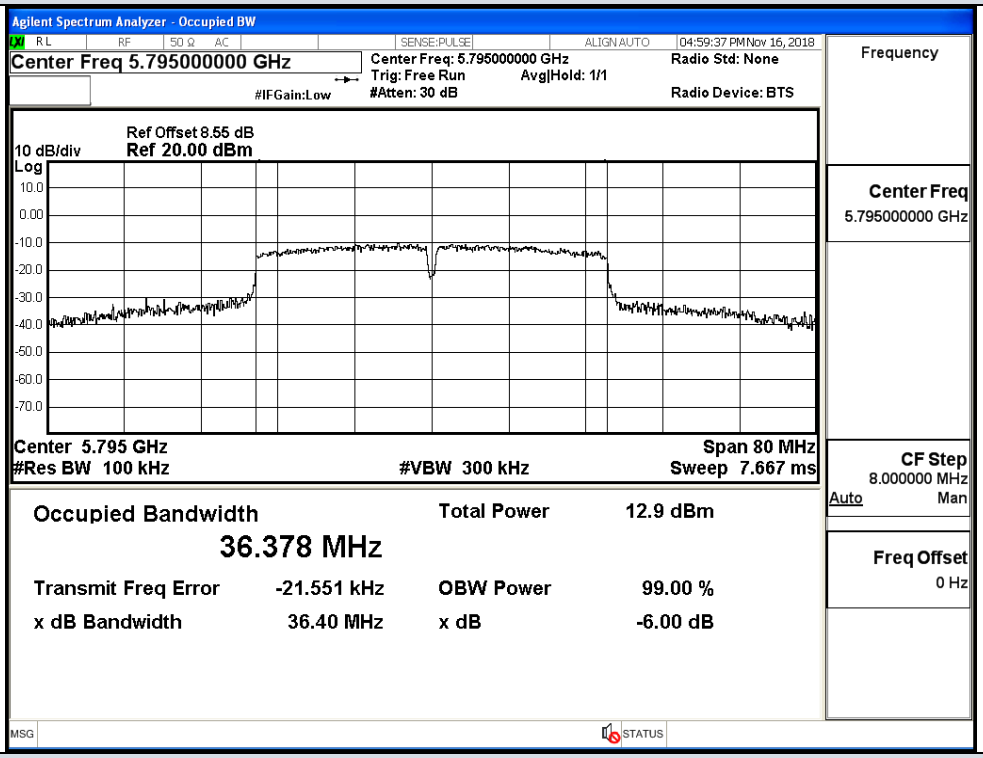
Antenna 1

Test Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)
11N40	151	5755	36.360	35.920	>=0.5
	159	5795	36.380	35.940	

6dB Bandwidth

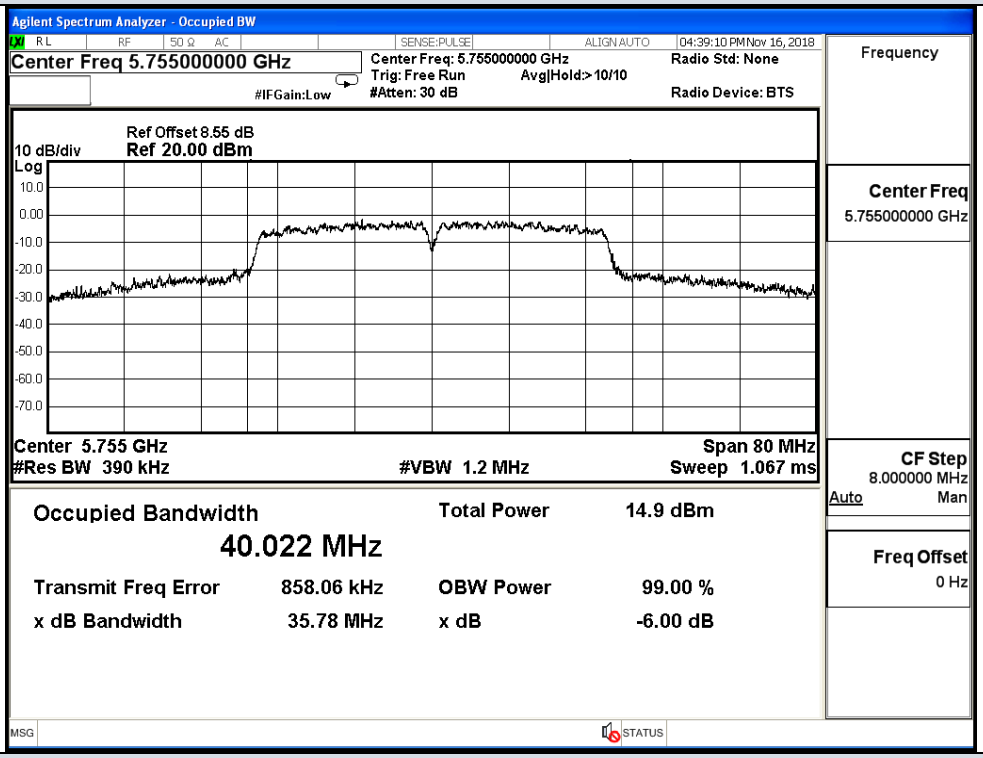


IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant0

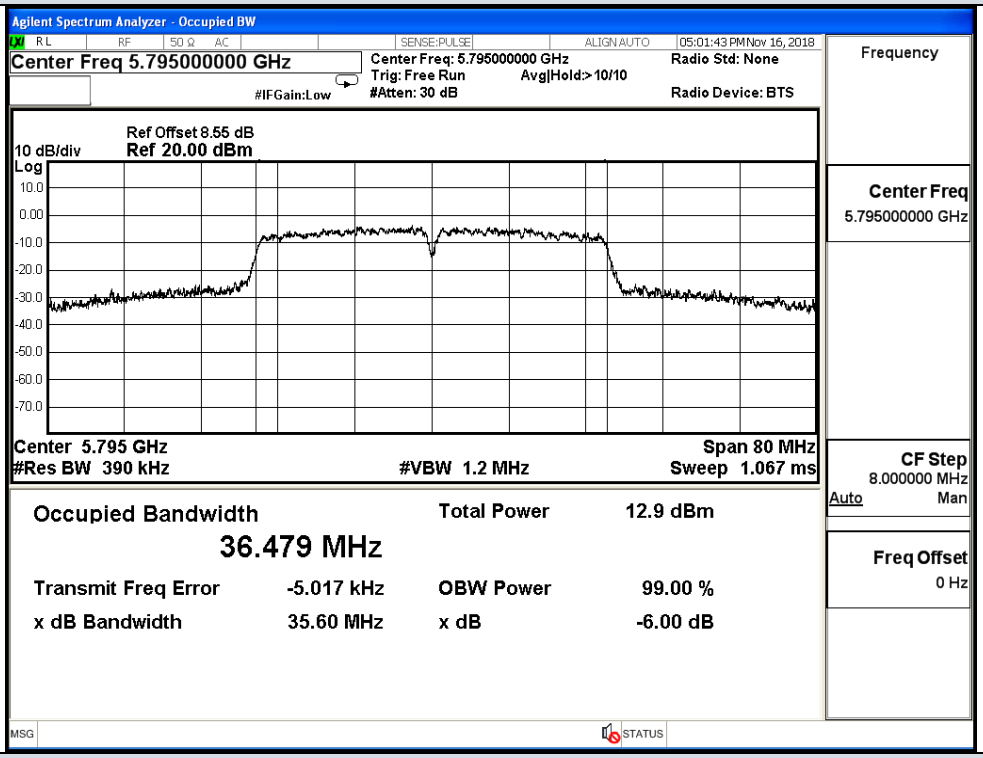


IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant0

99% Occupied Bandwidth

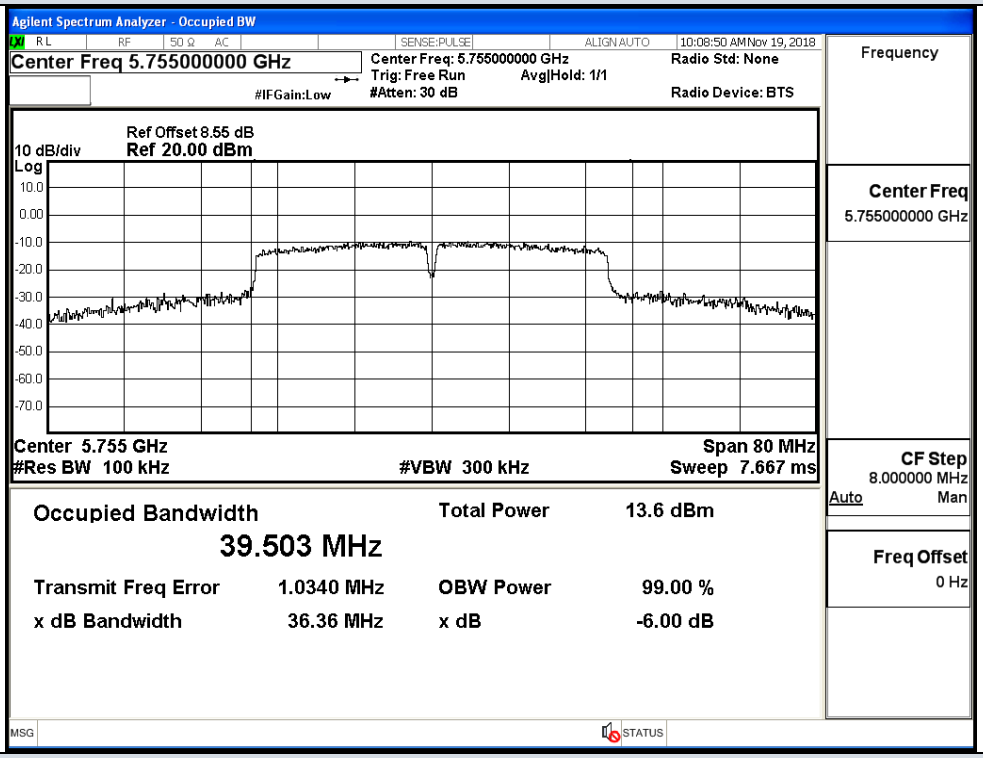


IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant0

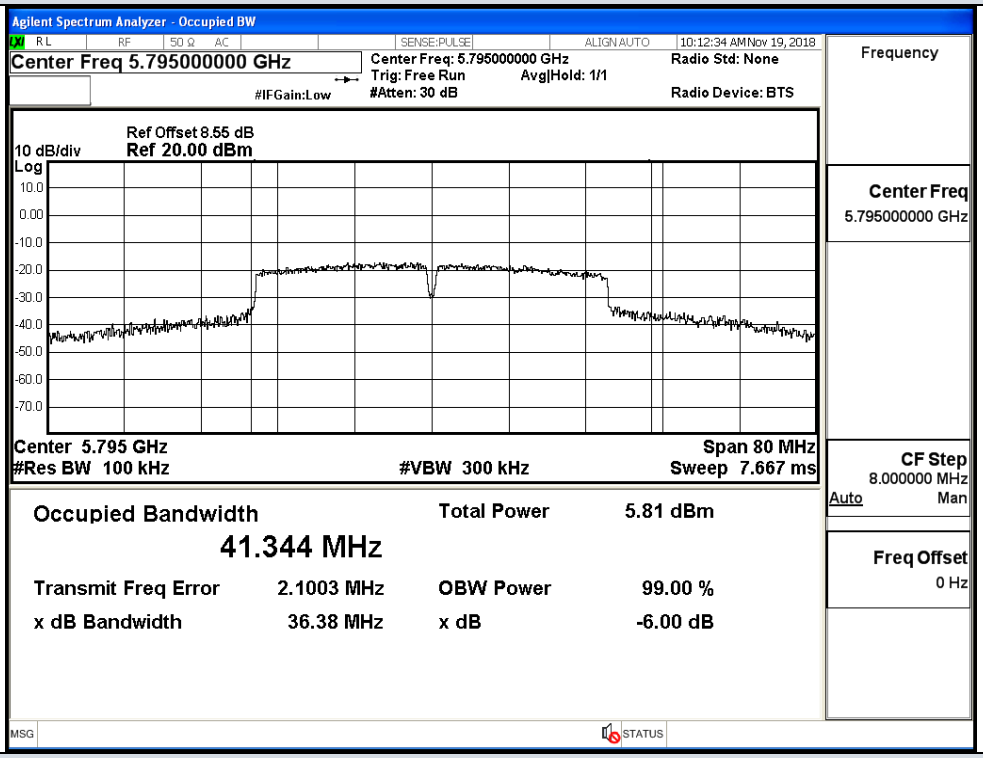


IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant0

6dB Bandwidth

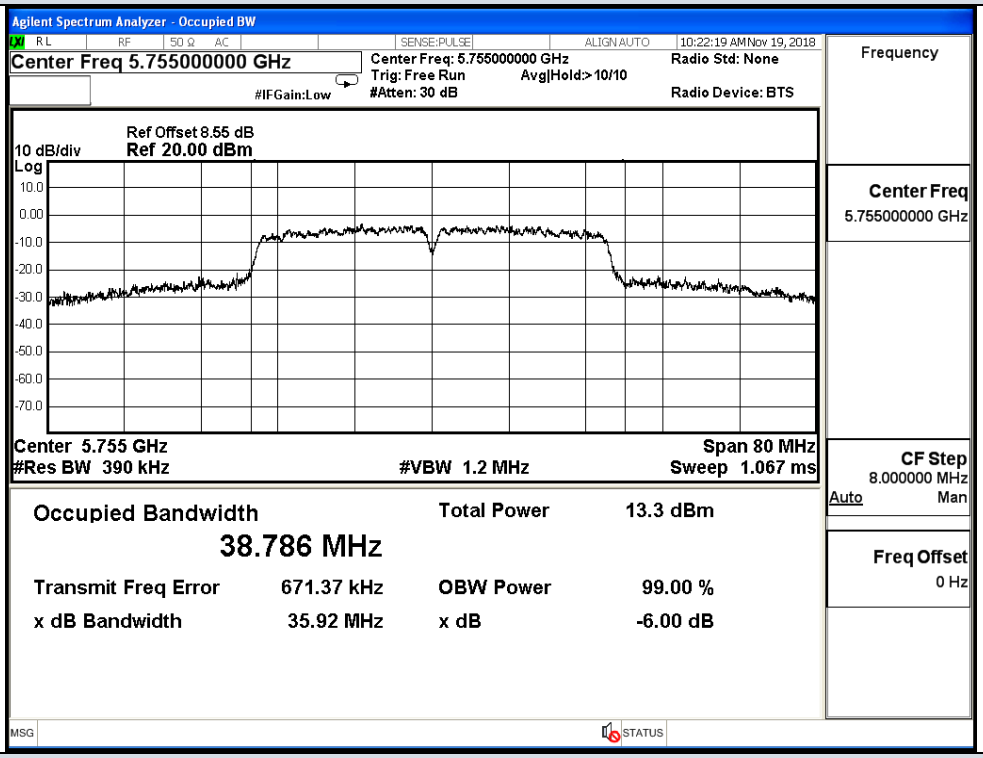


IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant1

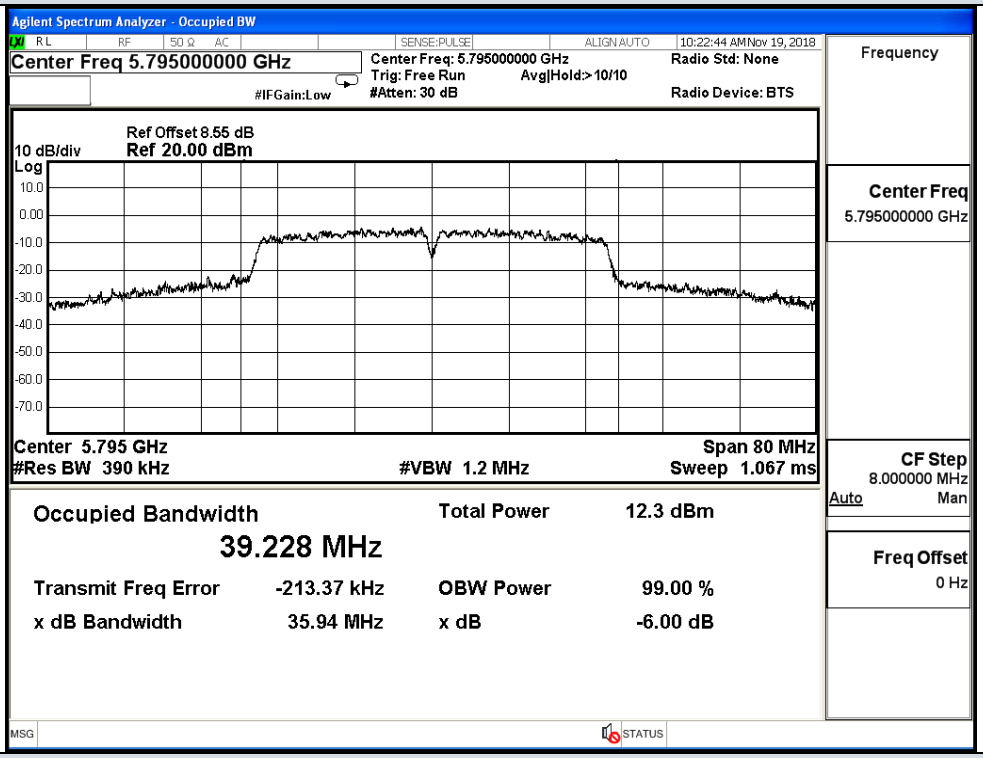


IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant1

99% Occupied Bandwidth



IEEE 802.11n HT40 / Channel 151 / 5755 MHz_Ant2



IEEE 802.11n HT40 / Channel 159 / 5795 MHz_Ant2

B.5 Undesirable Emissions Measurement

Antenna 0

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)
11N40	151	5650.0	-49.076	5.00	-44.076	Peak	27.0
		5700.0	-48.579	5.00	-43.579	Peak	15.6
		5720.0	-35.871	5.00	-30.871	Peak	10.0
		5725.0	-34.243	5.00	-29.243	Peak	-27.0
	159	5850.0	-36.596	5.00	-31.596	Peak	-27.0
		5855.0	-37.412	5.00	-32.412	Peak	10.0
		5875.0	-42.850	5.00	-37.850	Peak	15.6
		5925.0	-48.957	5.00	-43.957	Peak	27.0

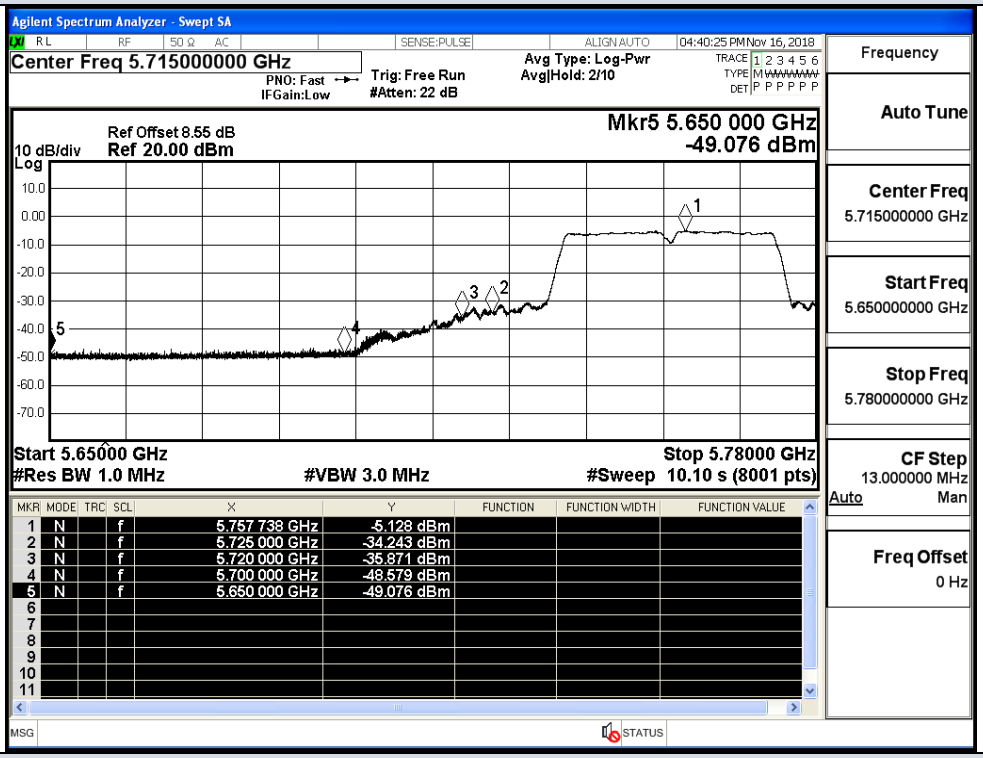
Antenna 1

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)
11N40	151	5650.0	-50.051	5.00	-45.051	Peak	27.0
		5700.0	-49.181	5.00	-44.181	Peak	15.6
		5720.0	-38.803	5.00	-33.803	Peak	10.0
		5725.0	-36.644	5.00	-31.644	Peak	-27.0
	159	5850.0	-35.130	5.00	-30.130	Peak	-27.0
		5855.0	-36.742	5.00	-31.742	Peak	10.0
		5875.0	-43.757	5.00	-38.757	Peak	15.6
		5925.0	-48.888	5.00	-43.888	Peak	27.0

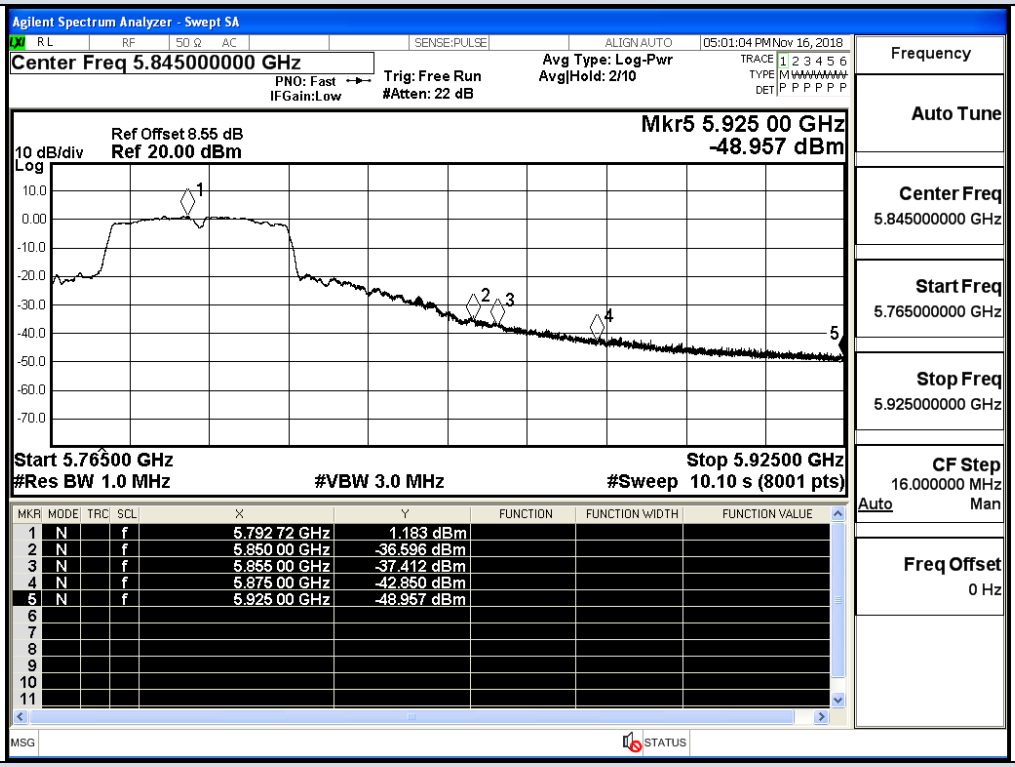
Antenna 0+Antenna 1

Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)			Directional Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)
			Ant0	Ant1	Sum				
11N40	151	5650.0	-49.076	-50.051	-46.526	8.01	-38.516	Peak	27.0
		5700.0	-48.579	-49.181	-45.859	8.01	-37.849	Peak	15.6
		5720.0	-35.871	-38.803	-34.084	8.01	-26.074	Peak	10.0
		5725.0	-34.243	-36.644	-32.269	8.01	-24.259	Peak	-27.0
	159	5850.0	-36.596	-35.130	-32.791	8.01	-24.781	Peak	-27.0
		5855.0	-37.412	-36.742	-34.054	8.01	-26.044	Peak	10.0
		5875.0	-42.850	-43.757	-40.270	8.01	-32.260	Peak	15.6
		5925.0	-48.957	-48.888	-45.912	8.01	-37.902	Peak	27.0

Undesirable Emissions Measurement

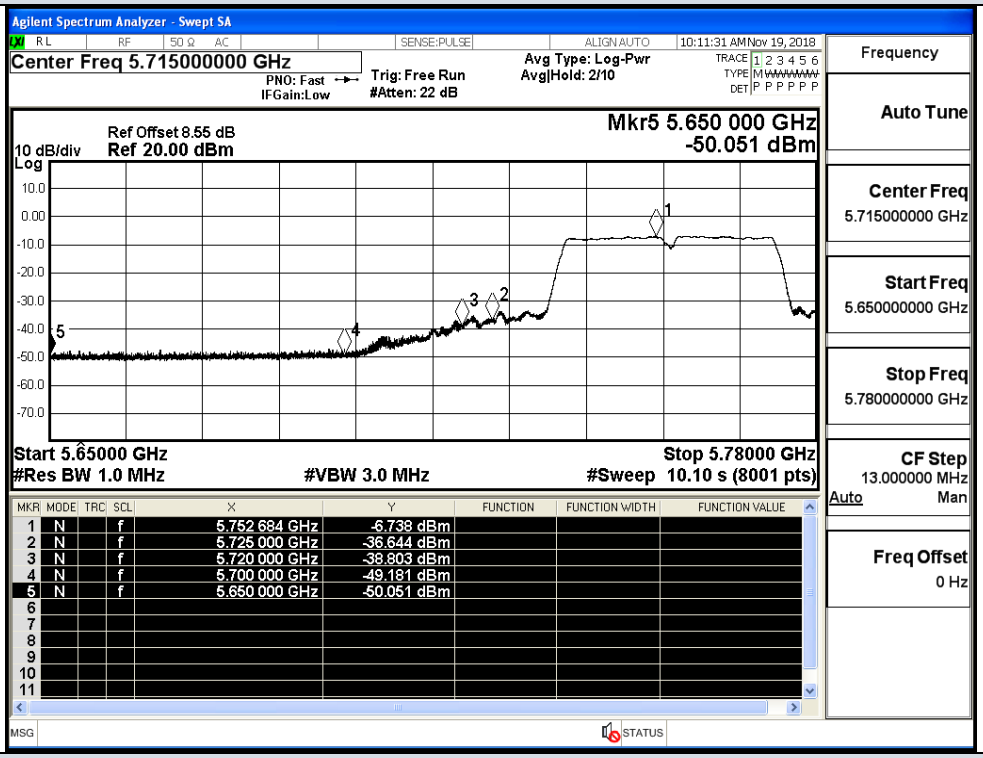


IEEE 802.11n HT40 / Channel 151 / 5755 MHz / Peak_Ant0

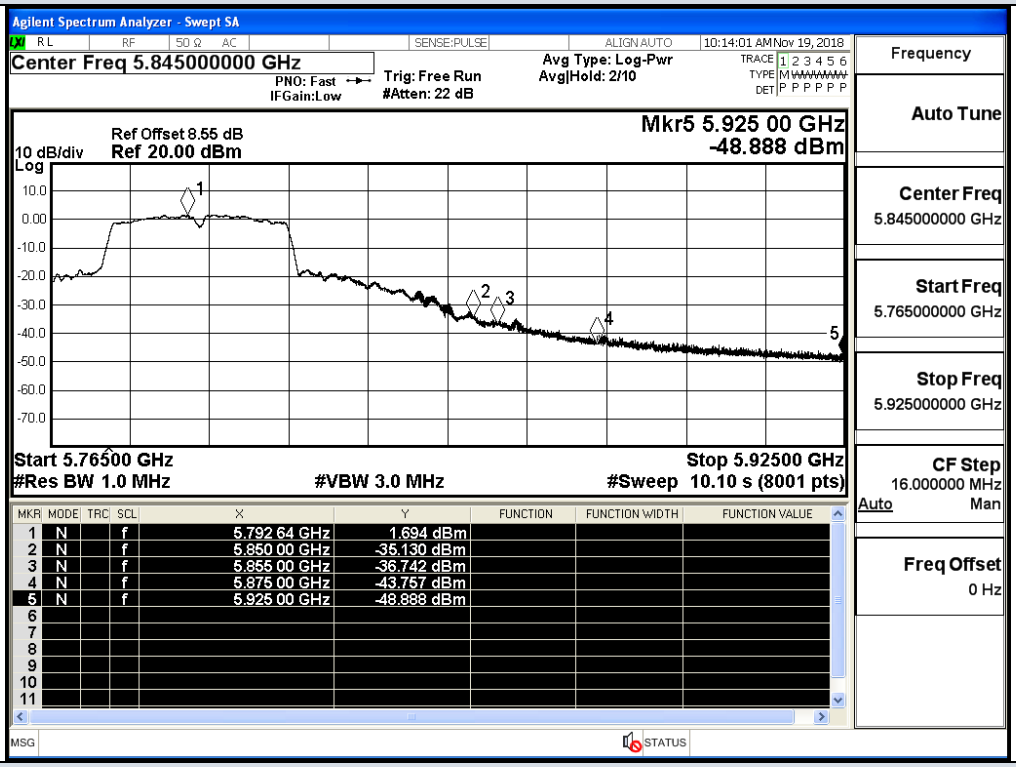


IEEE 802.11n HT40 / Channel 159 / 5795 MHz / Peak_Ant0

Undesirable Emissions Measurement



IEEE 802.11n HT40 / Channel 151 / 5755 MHz / Peak_Ant1



IEEE 802.11n HT40 / Channel 159 / 5795 MHz / Peak_Ant1