

RESULTS

ID:	37699 CS	Date:	8/8/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5510	40.9	36.09	2.37	5.37
Mid	5550	40.9	36.07	2.37	5.37
High	5670	41.3	1476.00	2.37	5.37
142	5710	40.7	36.08	2.37	5.37

Limits

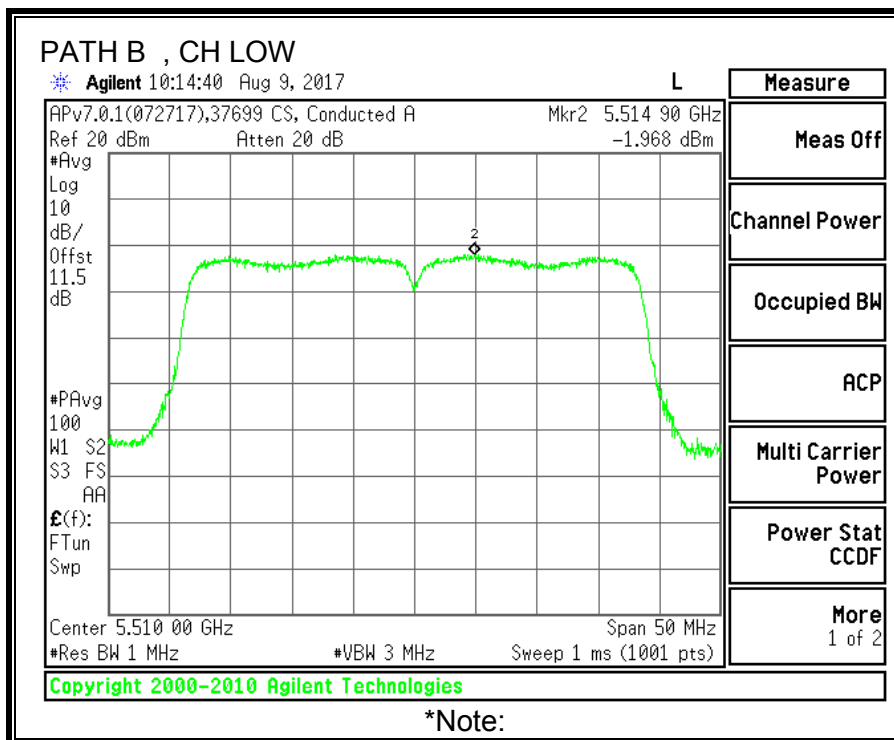
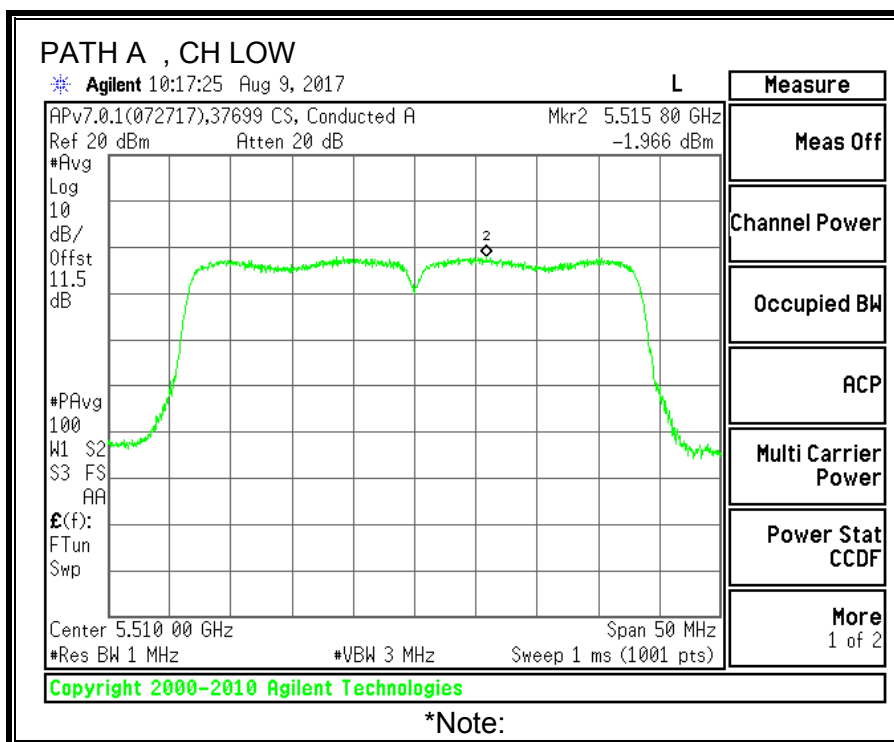
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5510	24.00	24.00	30.00	24.00	11.00	11.00	11.00
Mid	5550	24.00	24.00	30.00	24.00	11.00	11.00	11.00
High	5670	24.00	24.00	30.00	24.00	11.00	11.00	11.00
142	5710	24.00	24.00	30.00	24.00	11.00	11.00	11.00

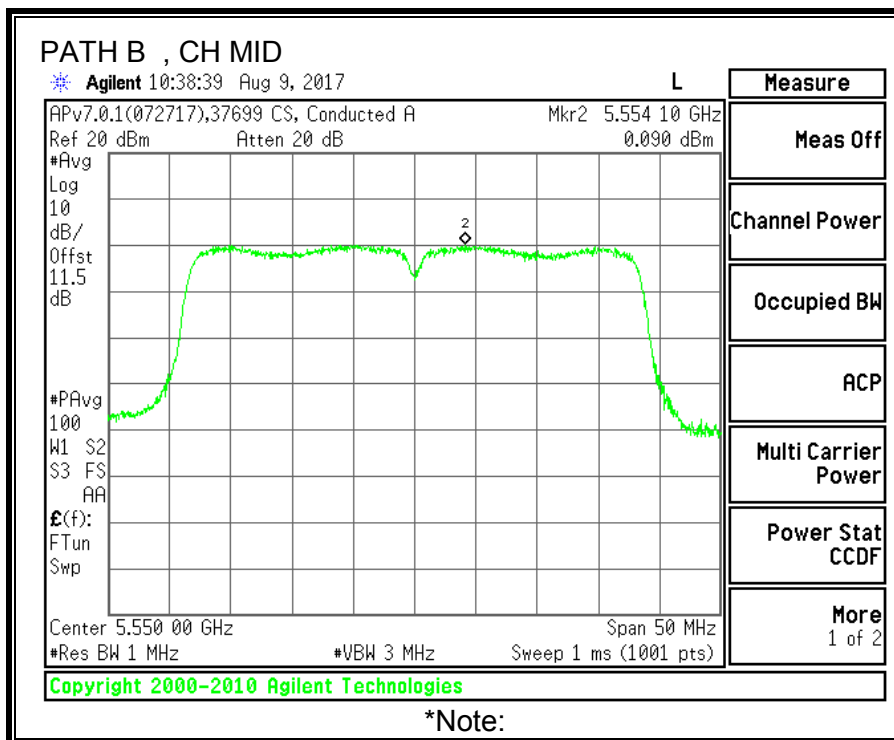
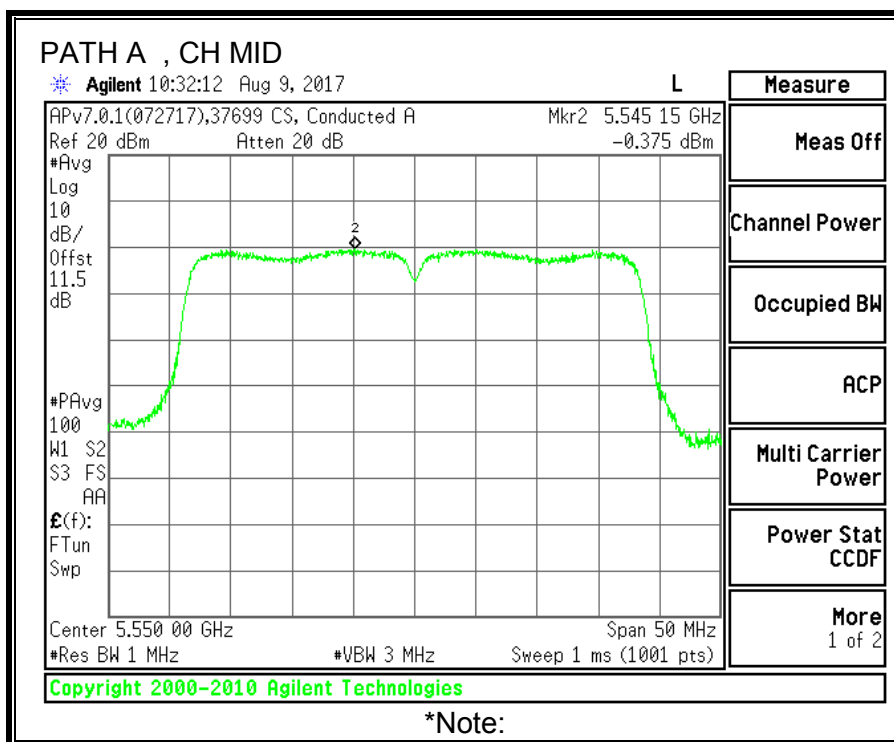
Output Power Results

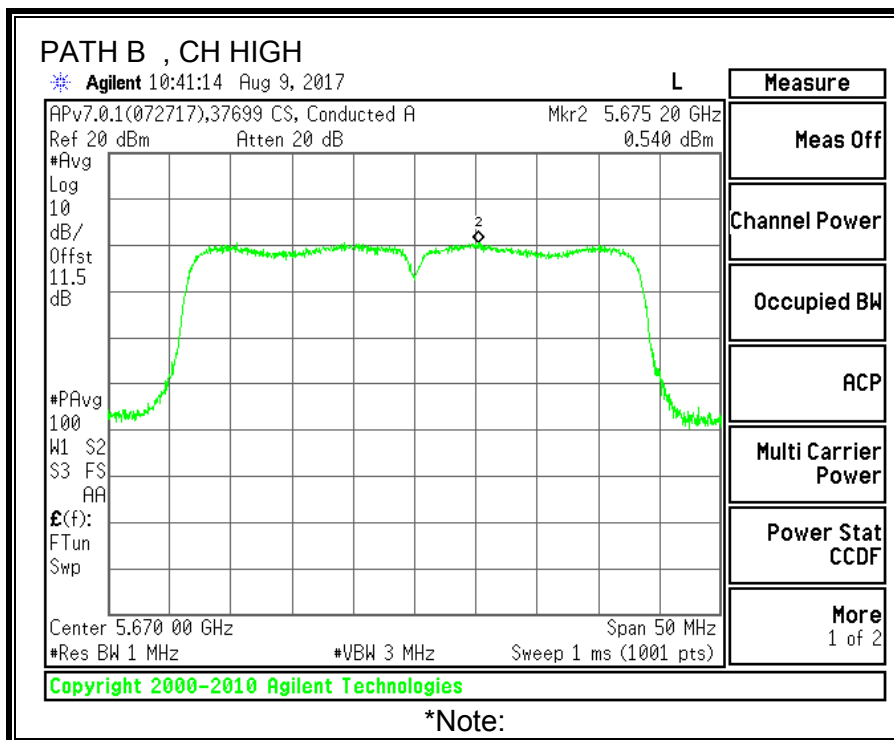
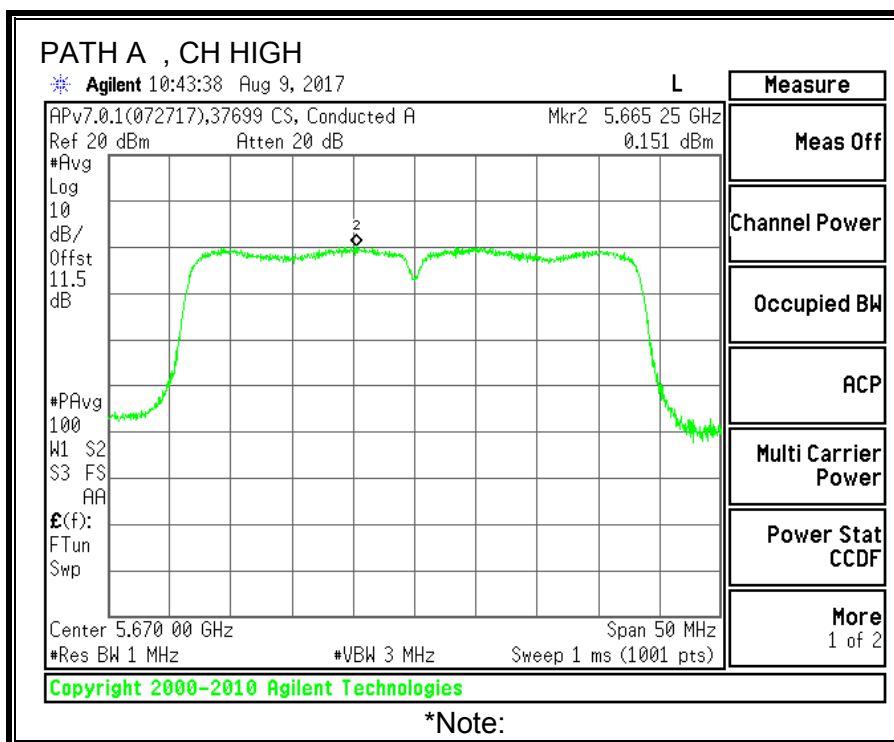
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.31	11.47	14.40	24.00	-9.60
Mid	5550	12.98	13.41	16.21	24.00	-7.79
High	5670	13.24	13.37	16.32	24.00	-7.68
142	5710	11.12	11.41	14.28	24.00	-9.72

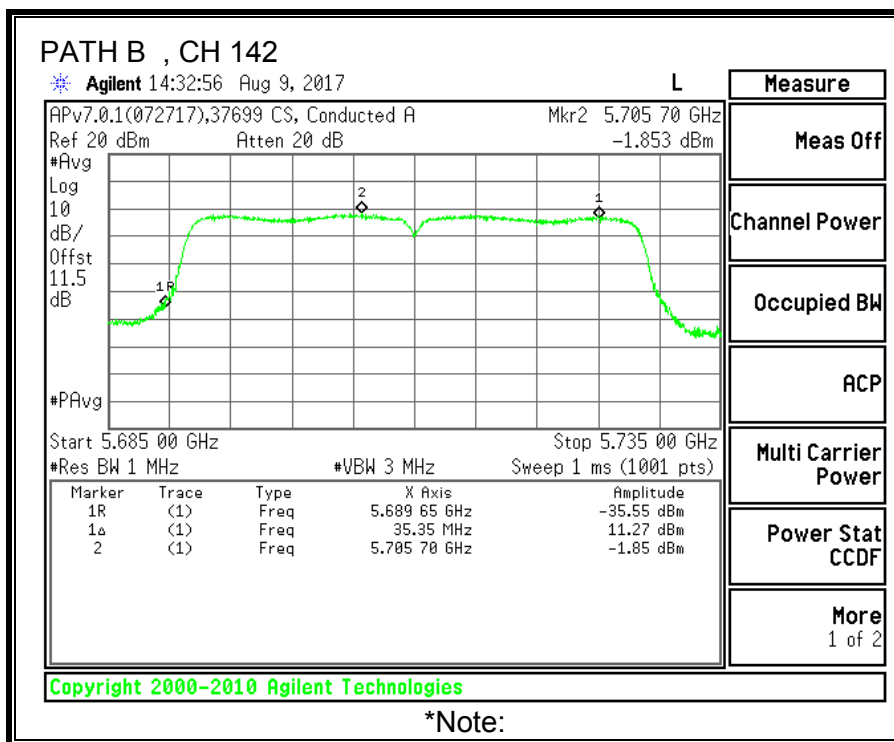
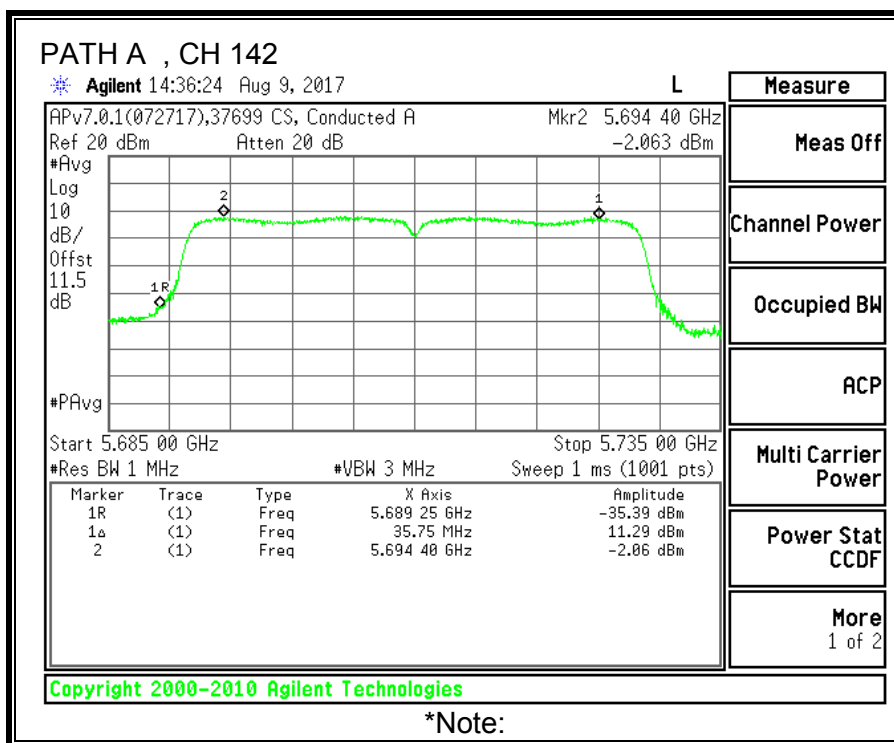
PPSD Results

Channel	Frequency (MHz)	Path A Meas PPSD (dBm)	Path B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5510	-1.97	-1.97	1.04	11.00	-9.96
Mid	5550	-0.38	0.09	2.87	11.00	-8.13
High	5670	0.15	0.540	3.36	11.00	-7.64
142	5710	-2.06	-1.85	1.05	11.00	-9.95









9.12. 11ac VHT80 2TX MODE IN THE 5.6GHz BAND

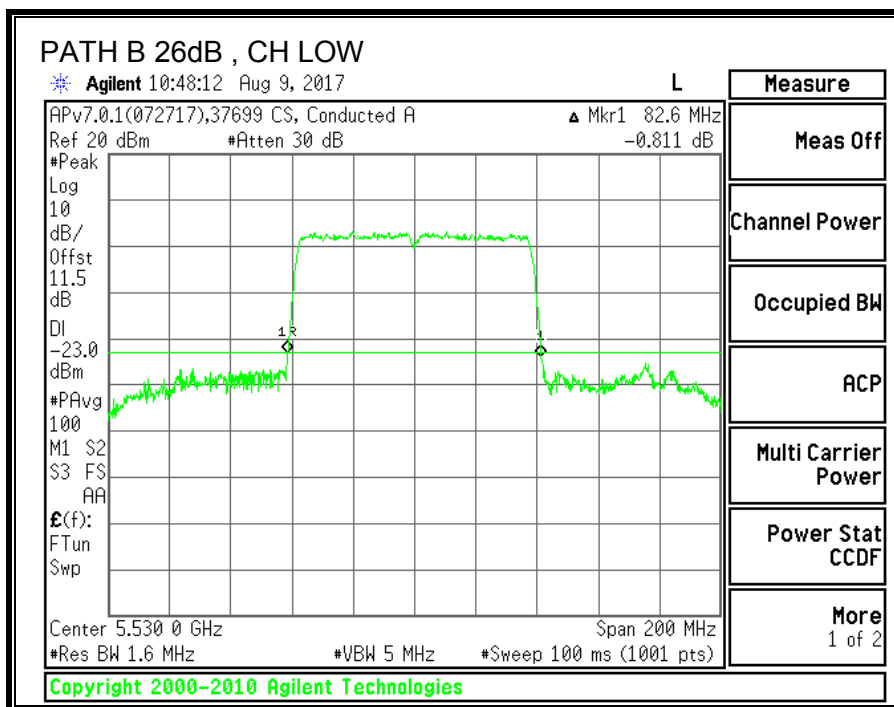
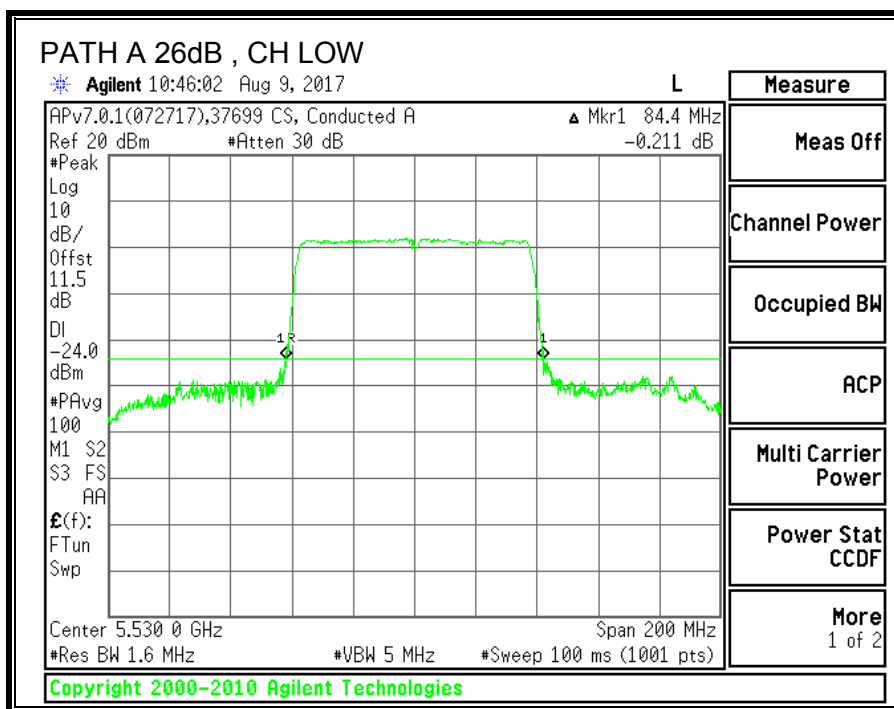
9.12.1. 26 dB BANDWIDTH

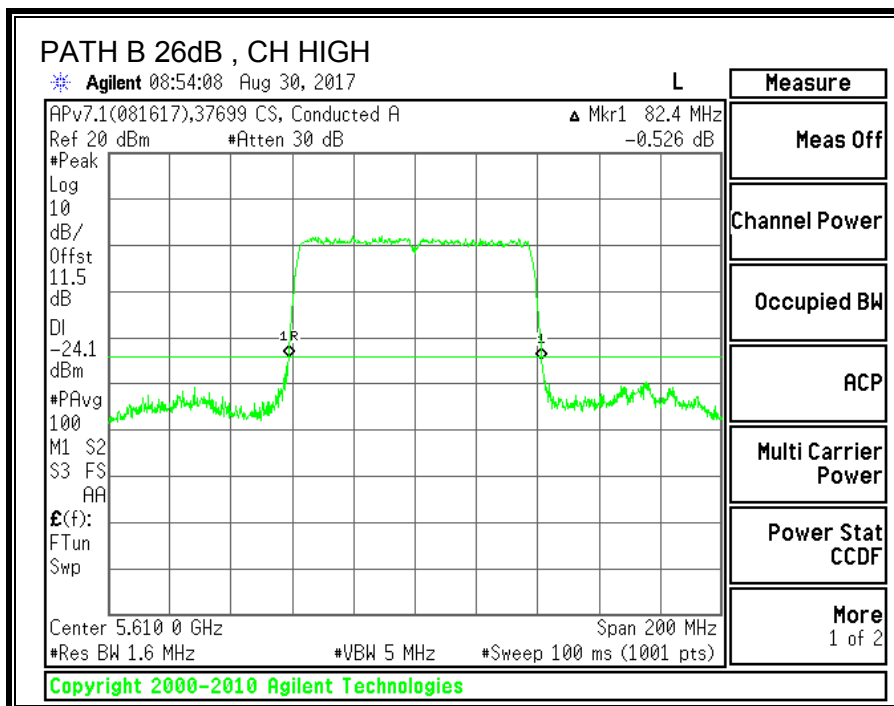
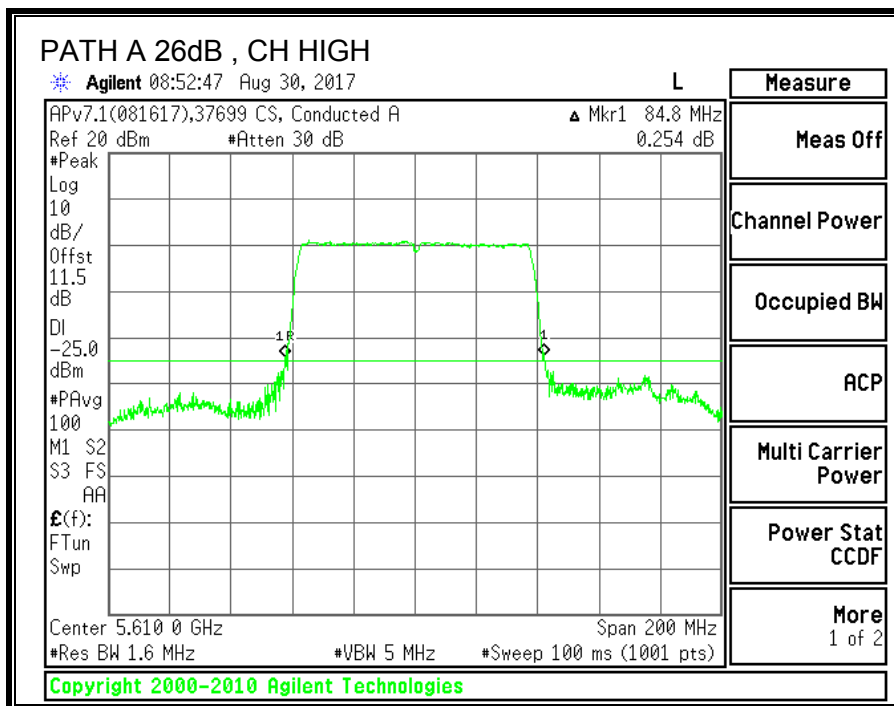
LIMITS

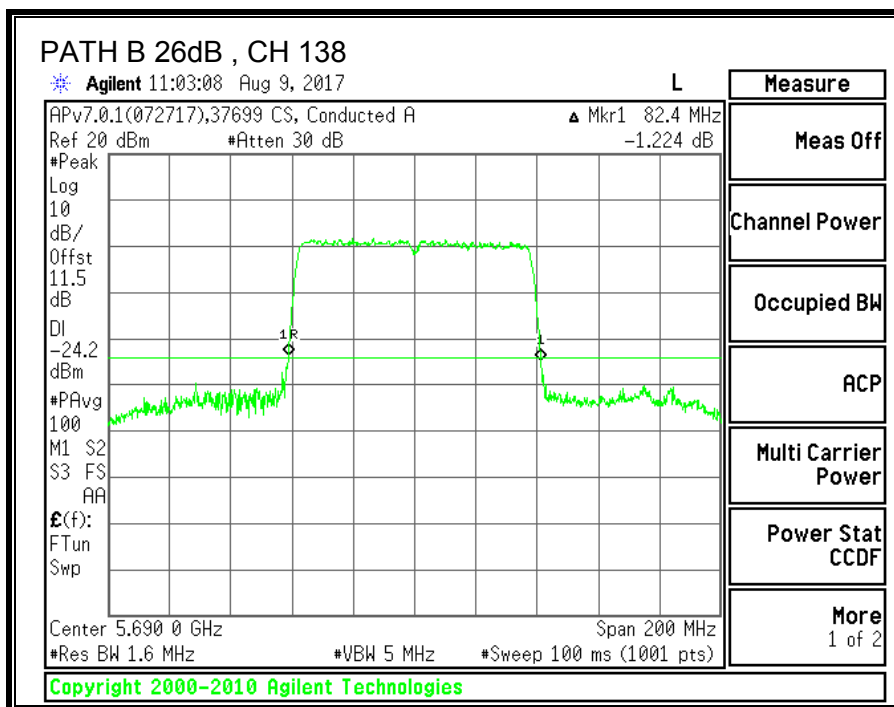
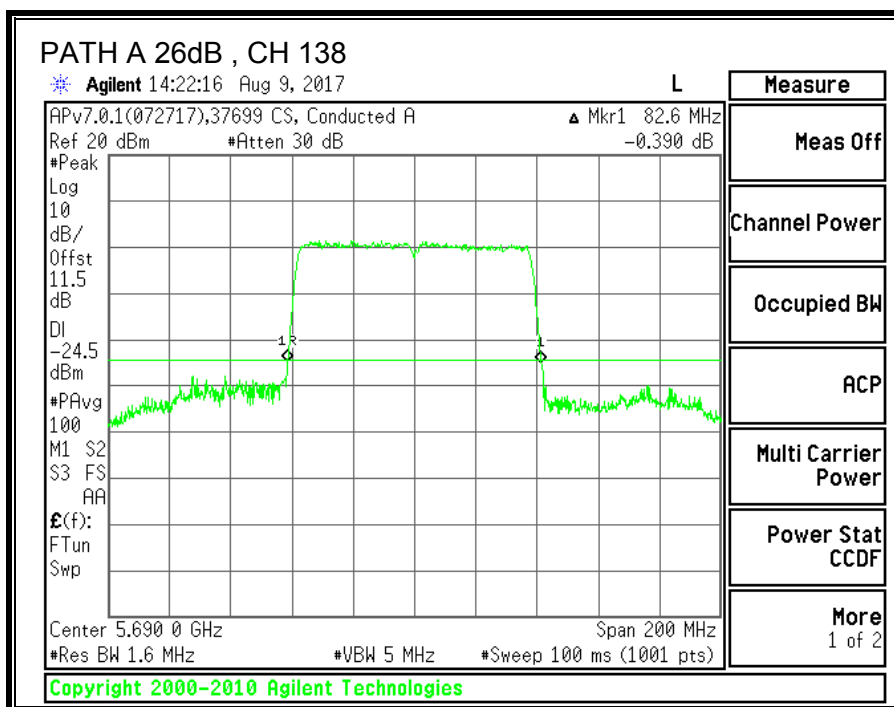
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW PATH A (MHz)	26 dB BW PATH B (MHz)
Low	5530	84.4	82.6
High	5610	84.8	82.8
138	5690	82.6	82.4







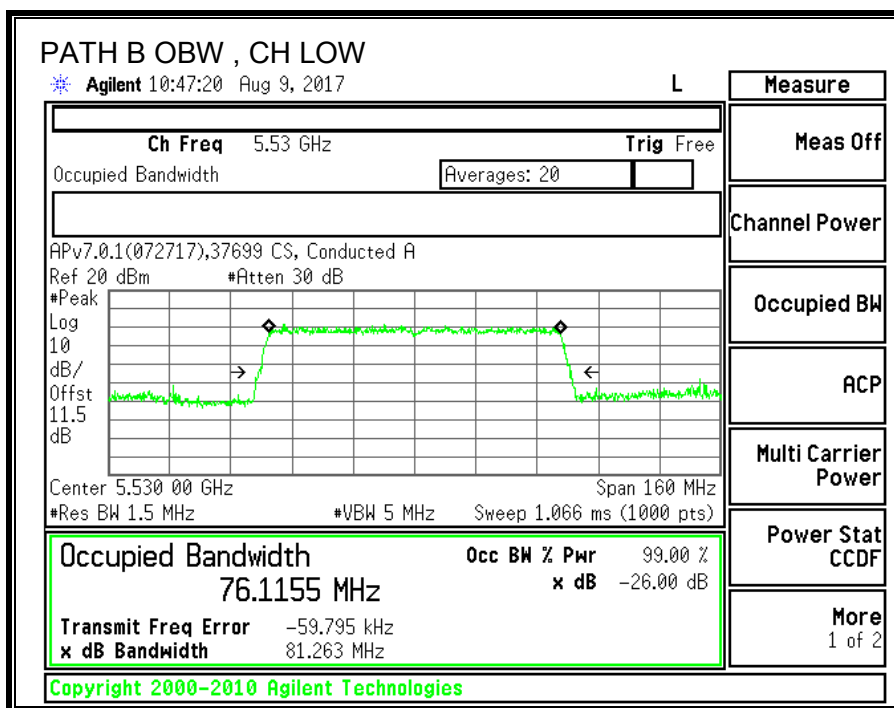
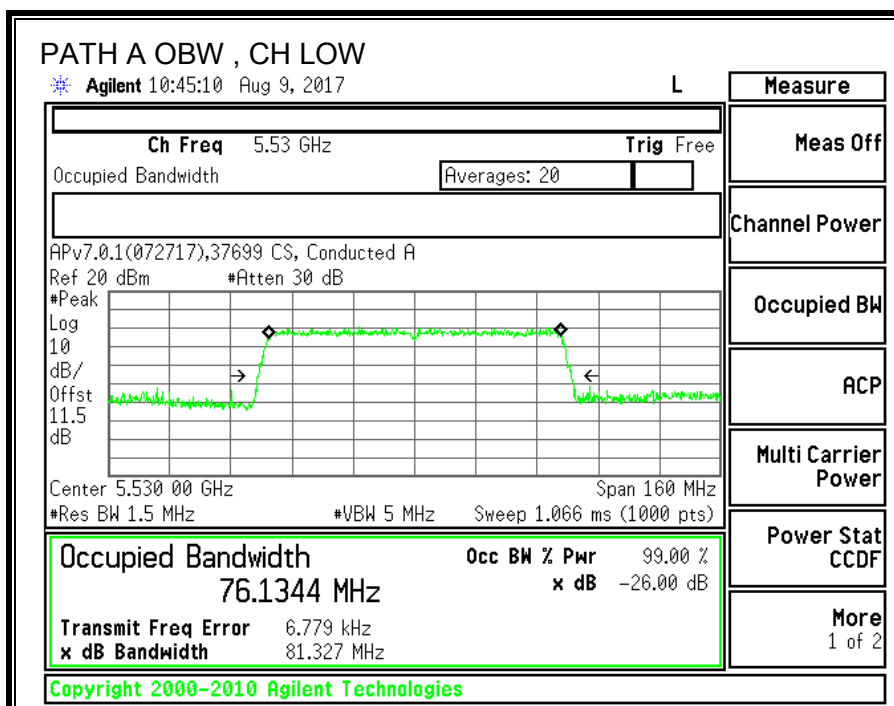
9.12.2. 99% BANDWIDTH

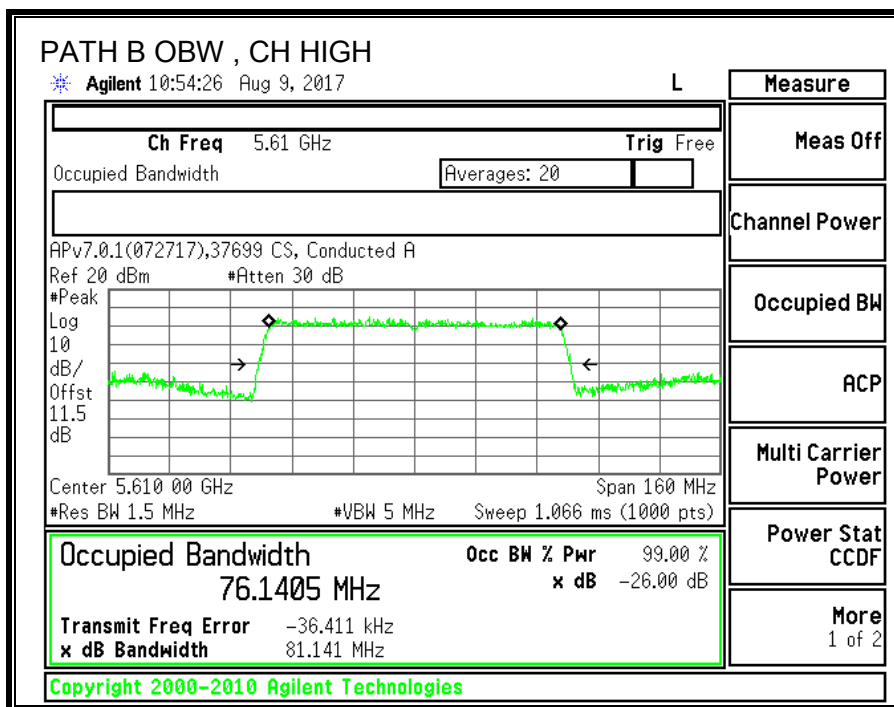
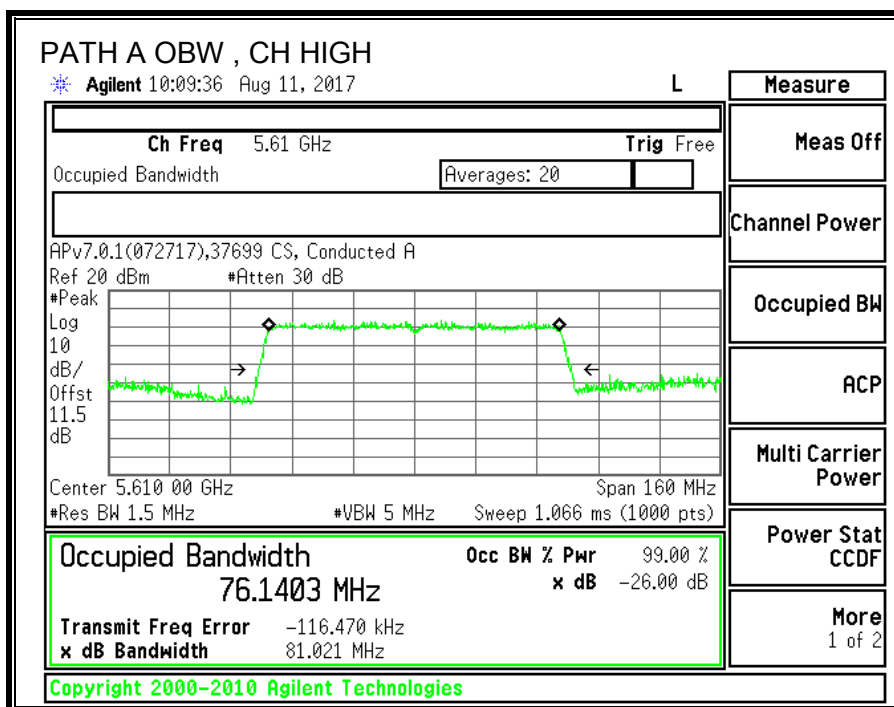
LIMITS

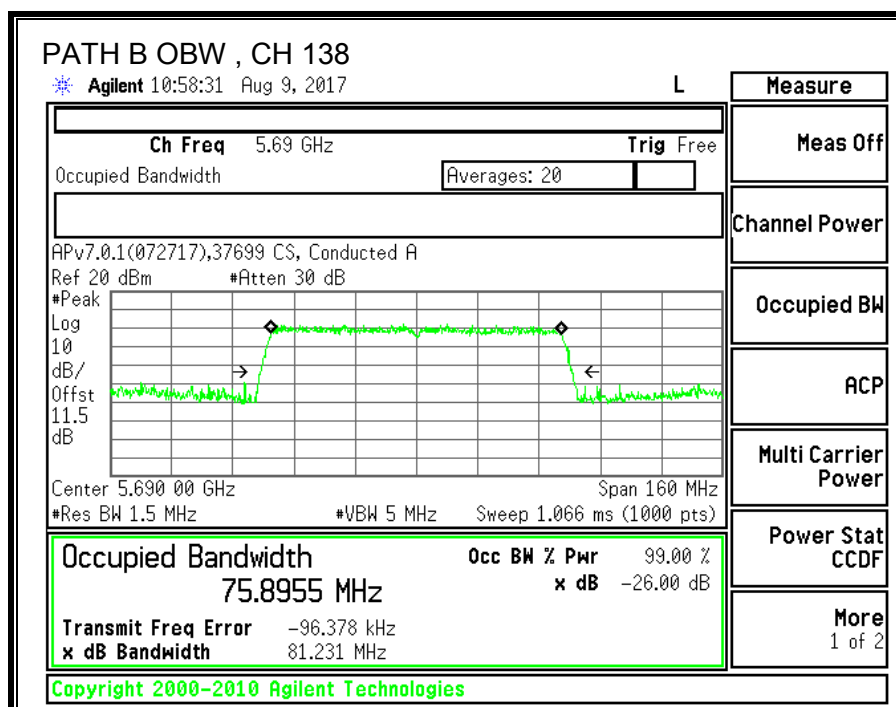
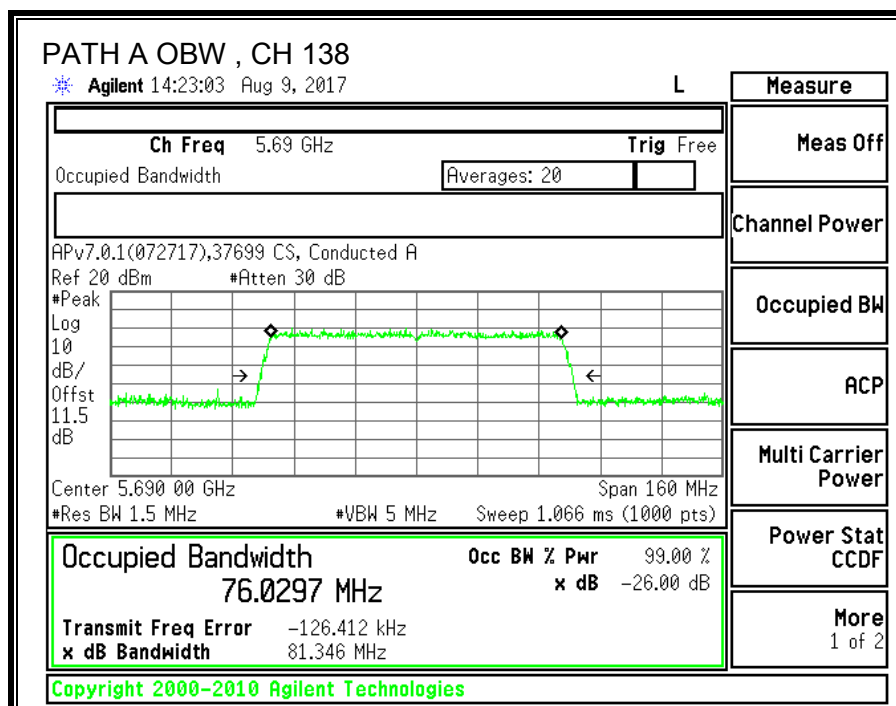
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW PATH A (MHz)	99% BW PATH B (MHz)
Low	5530	76.1344	76.1155
High	5610	76.1403	76.1405
138	5690	76.0297	75.8955







9.12.3. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.47–5.725 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

IC RSS-247 (6.2.3) (1)

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

TEST PROCEDURE

Measurements perform using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required. Straddle channel power is measured using PXA spectrum analyzer, duty cycle correction factor is required.

DIRECTIONAL ANTENNA GAIN

Path A Antenna Gain (dBi)	Path B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
1.90	2.80	2.37	5.37

RESULTS

ID:	37699 CS	Date:	8/8/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5530	82.6	76.12	2.37	5.37
High	5610	118.2	76.14	2.37	5.37
138	5690	82.4	76.03	2.37	5.37

Limits

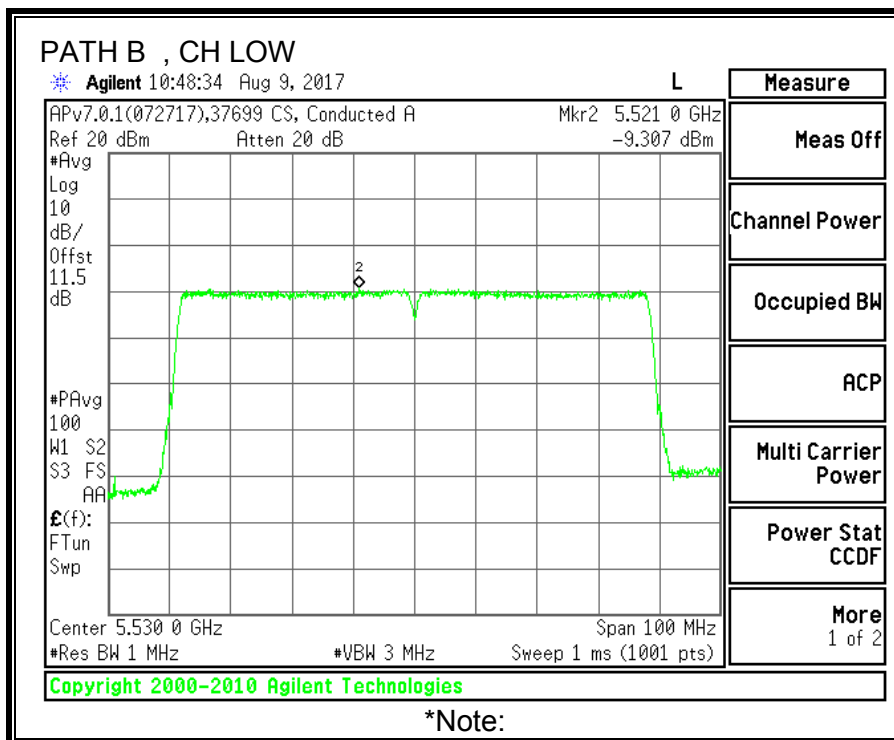
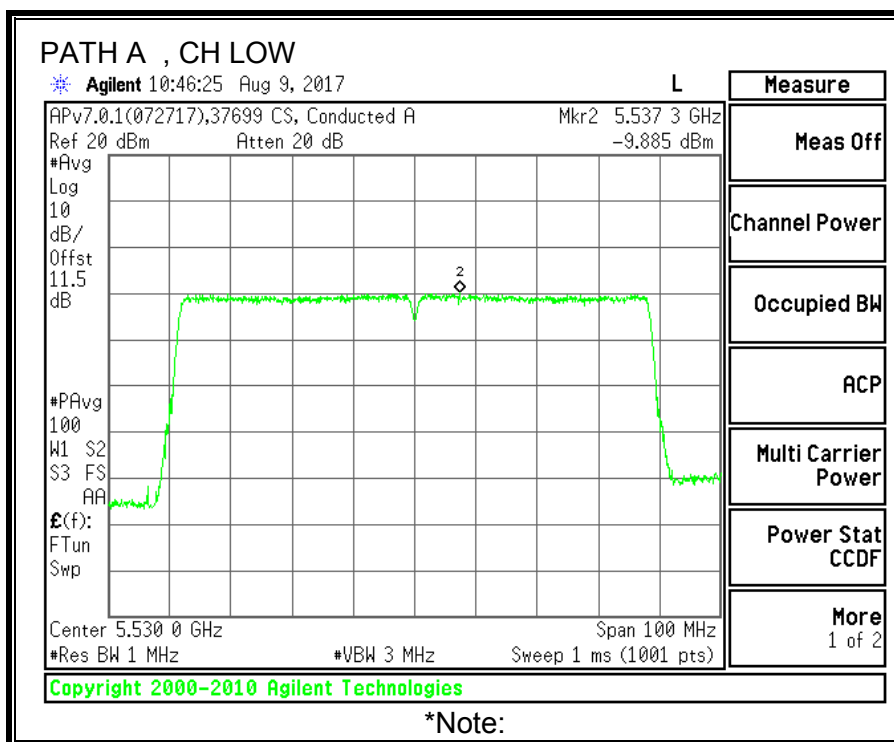
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5530	24.00	24.00	30.00	24.00	11.00	11.00	11.00
High	5610	24.00	24.00	30.00	24.00	11.00	11.00	11.00
138	5690	24.00	24.00	30.00	24.00	11.00	11.00	11.00

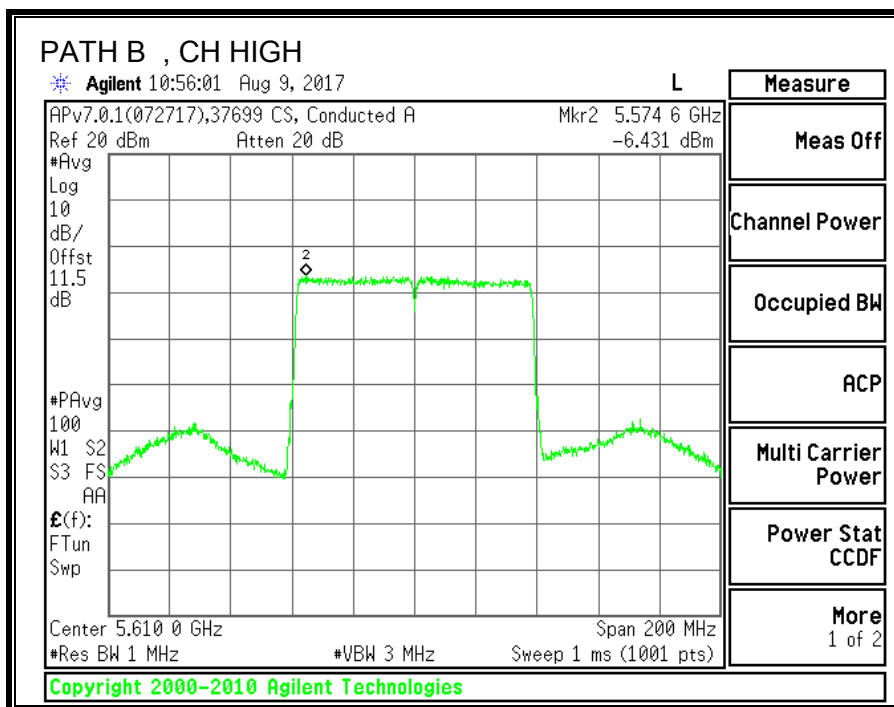
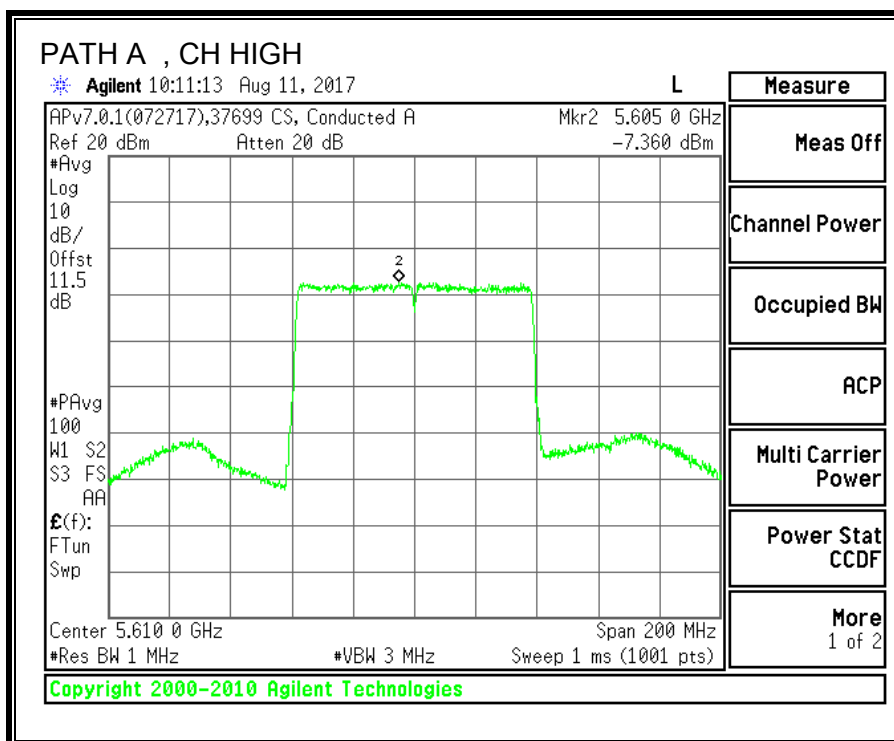
Output Power Results

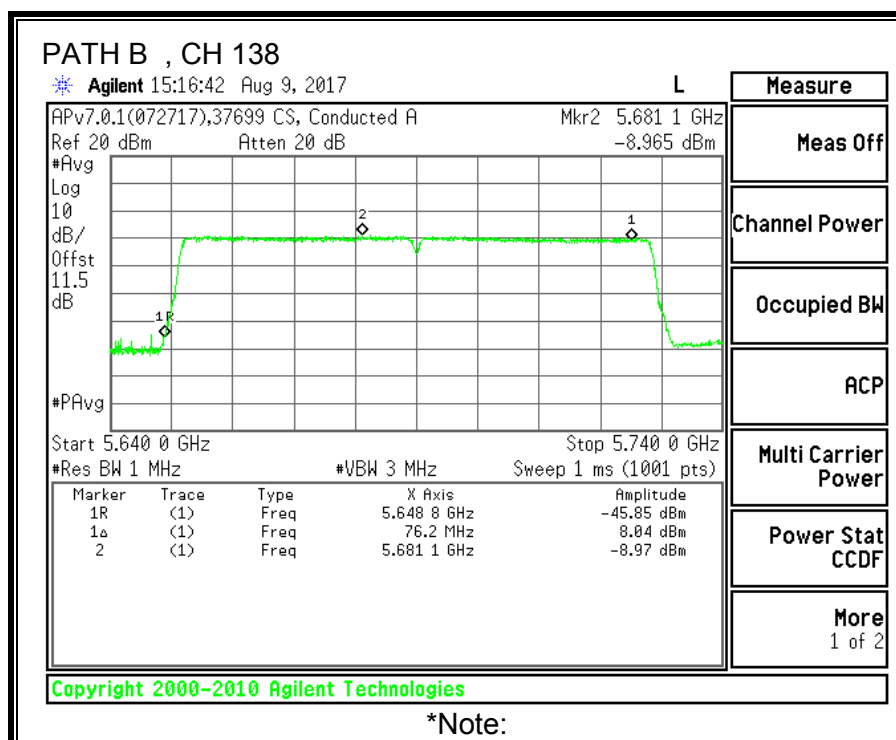
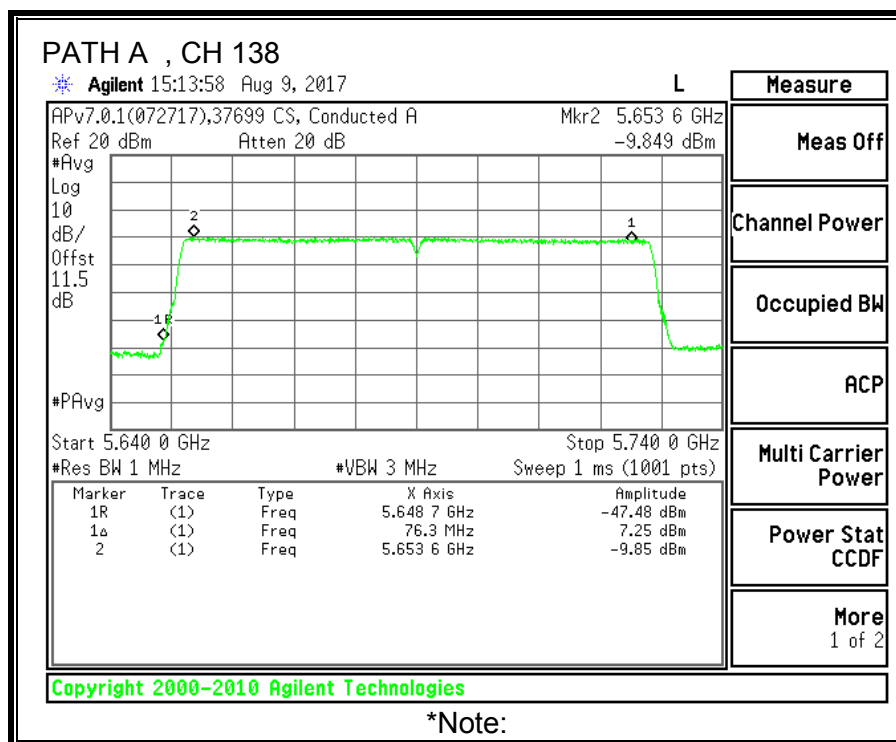
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	7.12	7.62	10.39	24.00	-13.61
High	5610	10.02	10.74	13.41	24.00	-10.59
138	5690	7.34	7.85	10.61	24.00	-13.39

PPSD Results

Channel	Frequency (MHz)	Path A Meas PPSD (dBm)	Path B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5530	-9.89	-9.31	-6.58	11.00	-17.58
High	5610	-7.36	-6.34	-3.81	11.00	-14.81
138	5690	-9.85	-8.97	-6.37	11.00	-17.37







9.13. 11a 2TX MODE IN THE 5.8GHz BAND

9.13.1. 6 dB BANDWIDTH

LIMITS

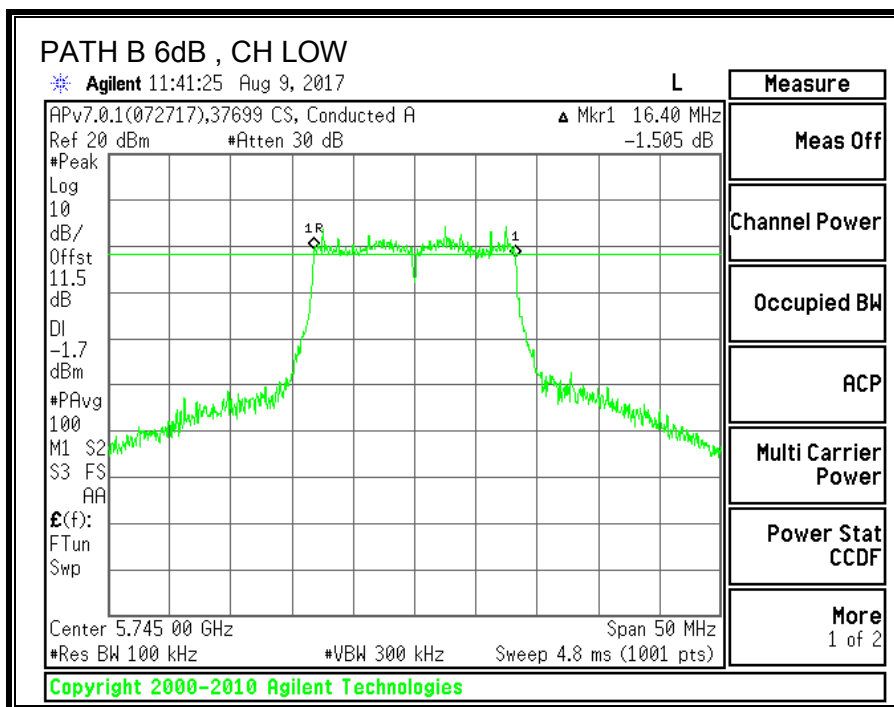
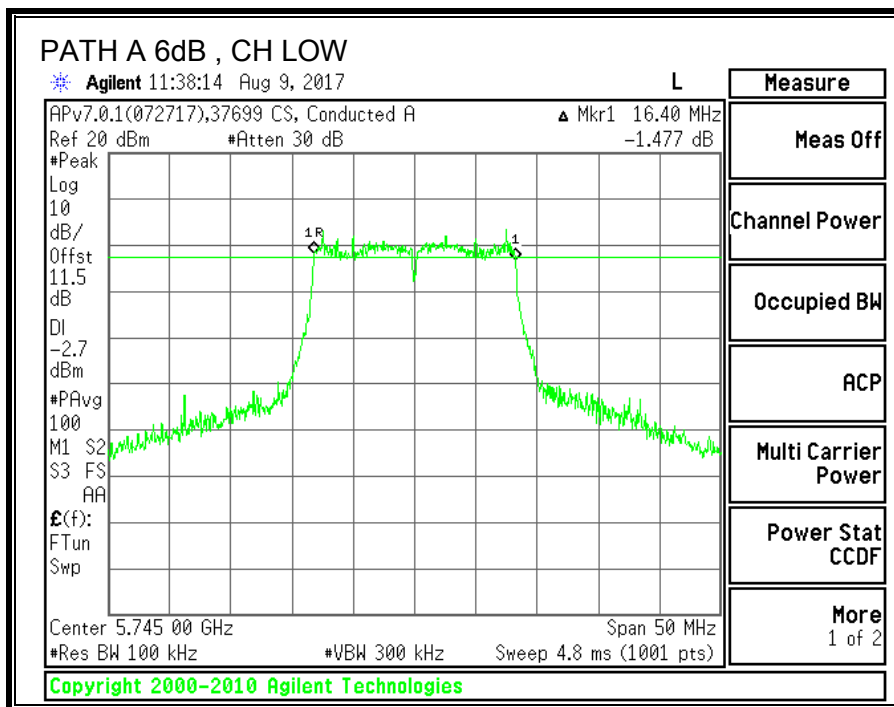
FCC §15.407 (e)

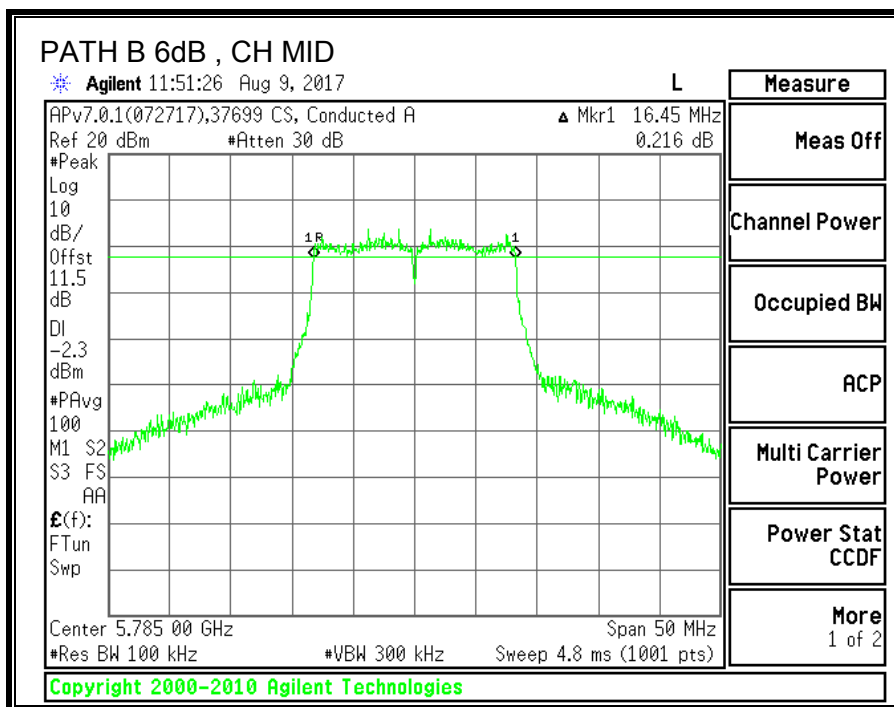
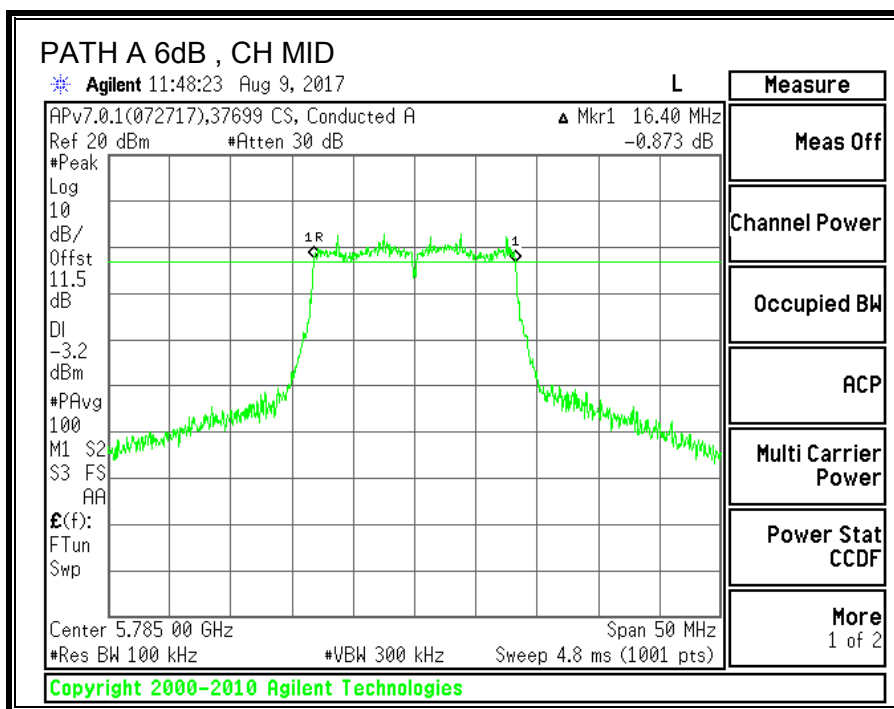
IC RSS-247 (6.2.4) (1)

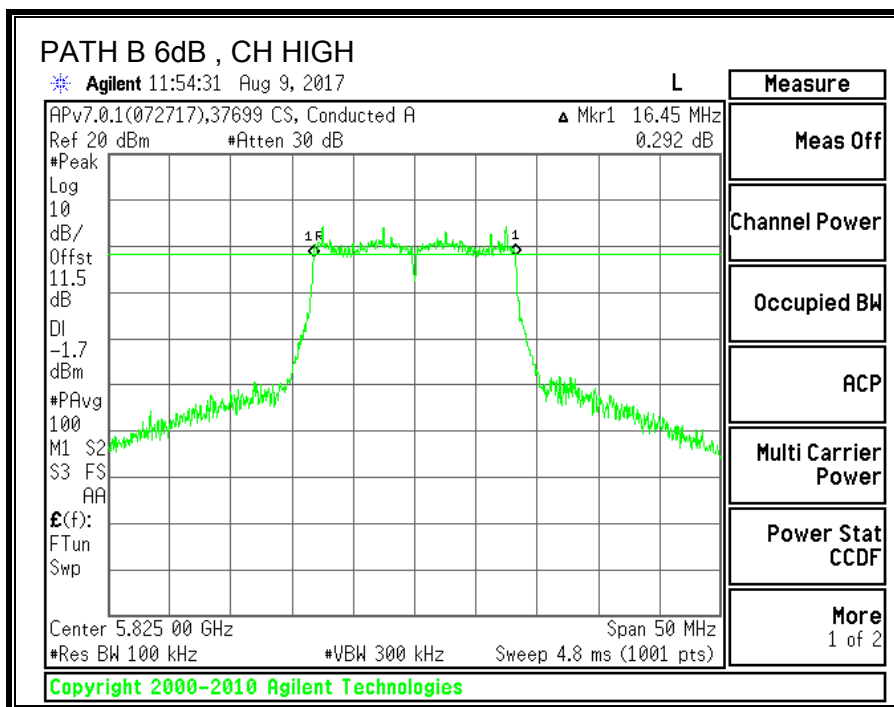
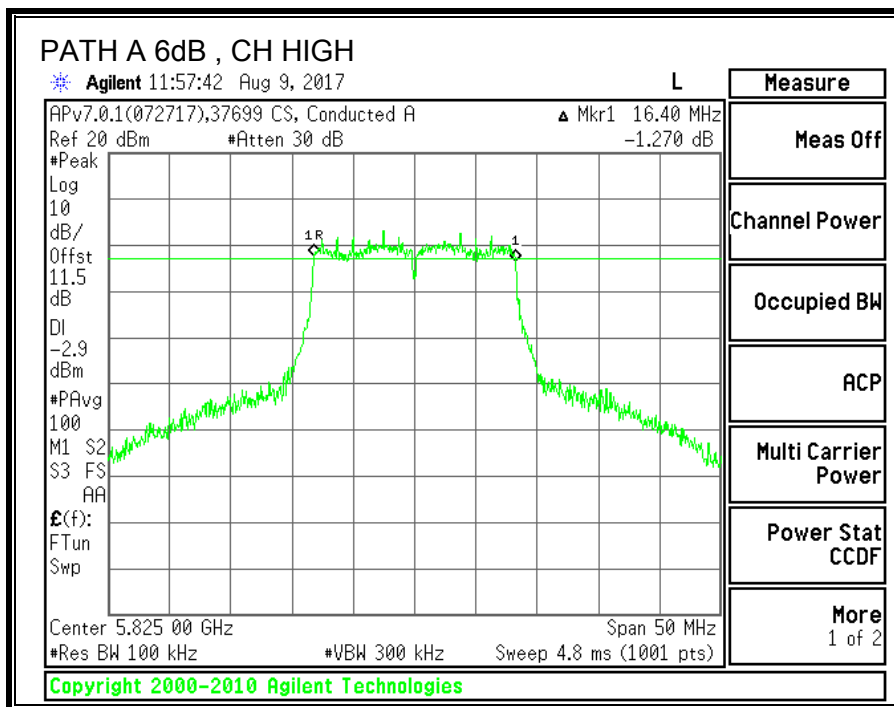
The minimum 6 dB bandwidth shall be at least 500 kHz.

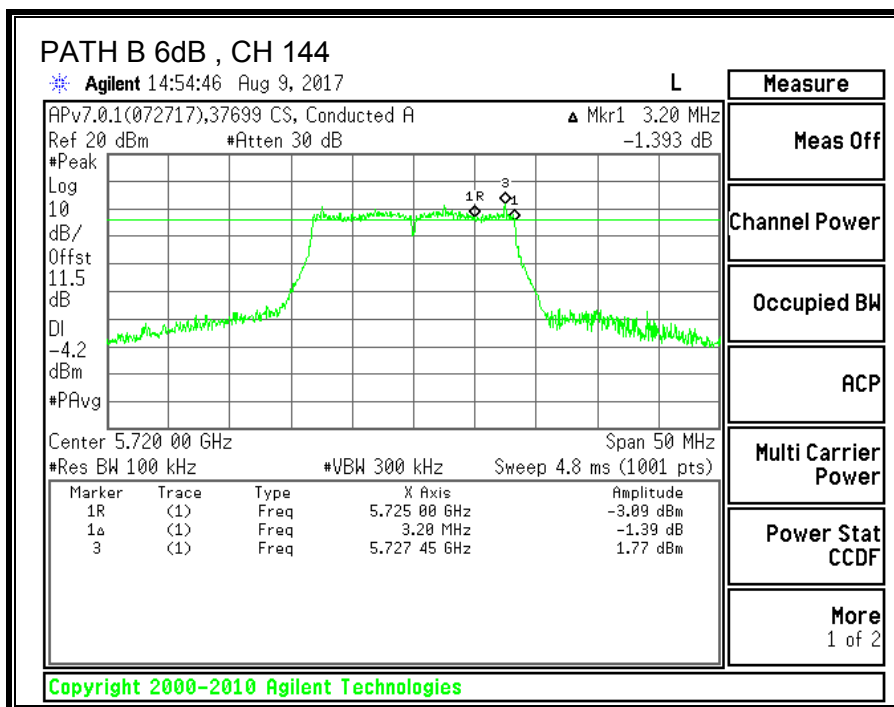
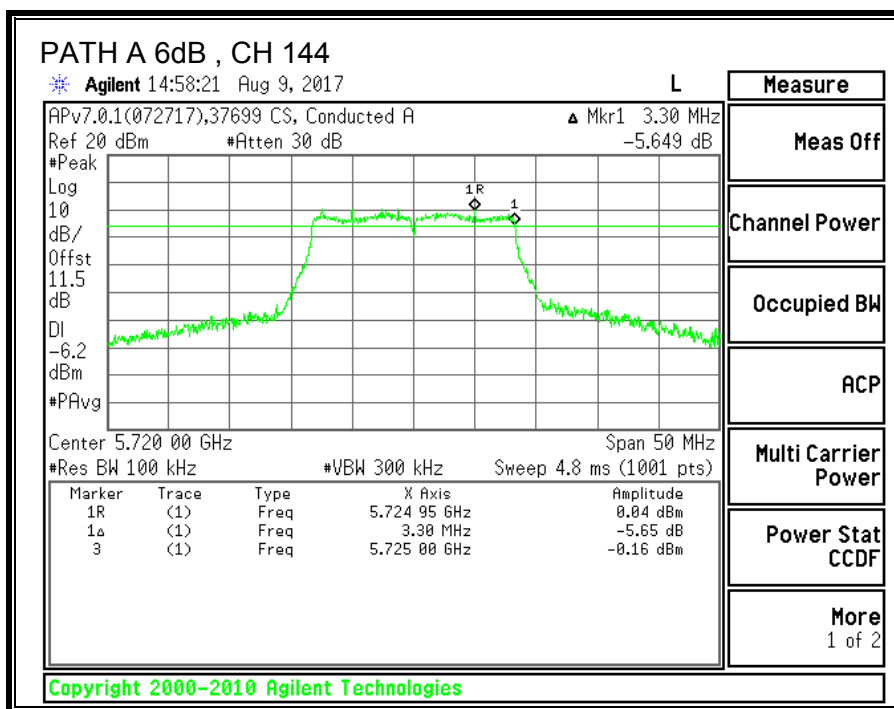
RESULTS

Channel	Frequency	6 dB BW PATH A (MHz)	6 dB BW PATH B (MHz)	Minimum Limit (MHz)
Low	5745	16.40	16.40	0.5
Mid	5785	16.40	16.45	0.5
High	5825	16.40	16.45	0.5
144	5720	3.30	3.20	0.5









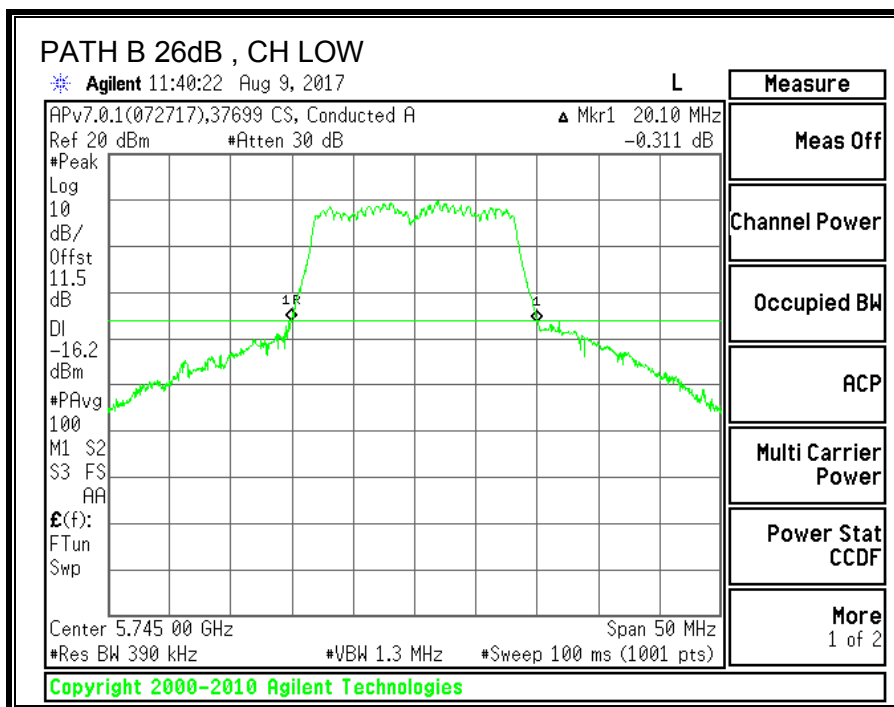
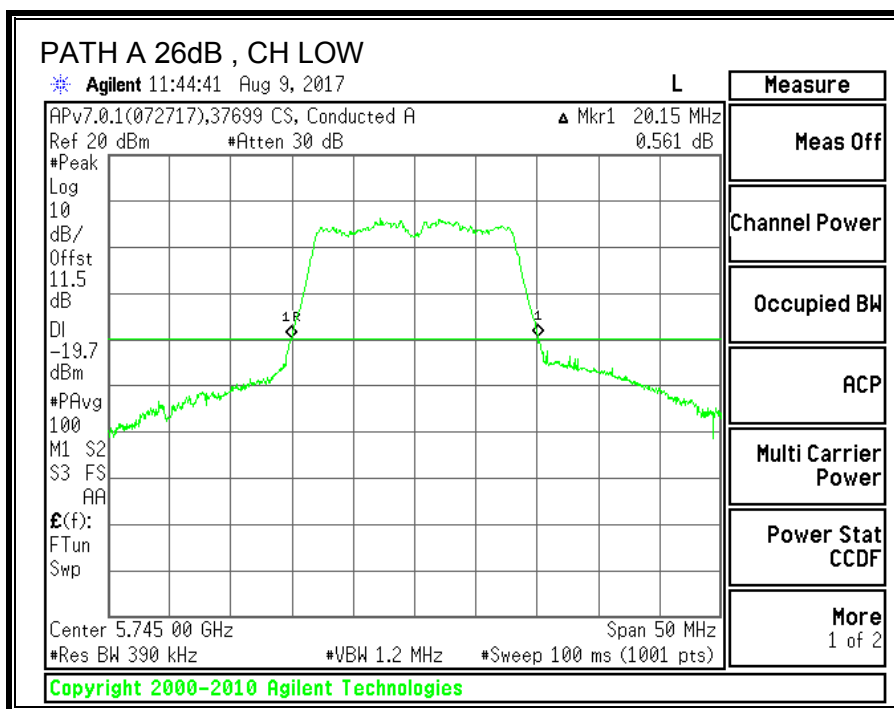
9.13.2. 26 dB BANDWIDTH

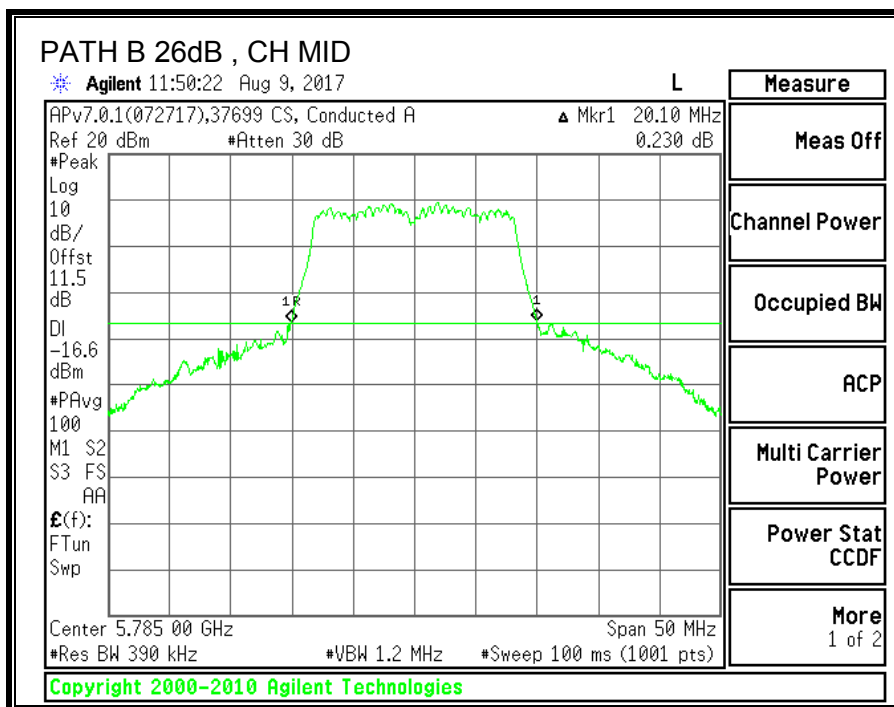
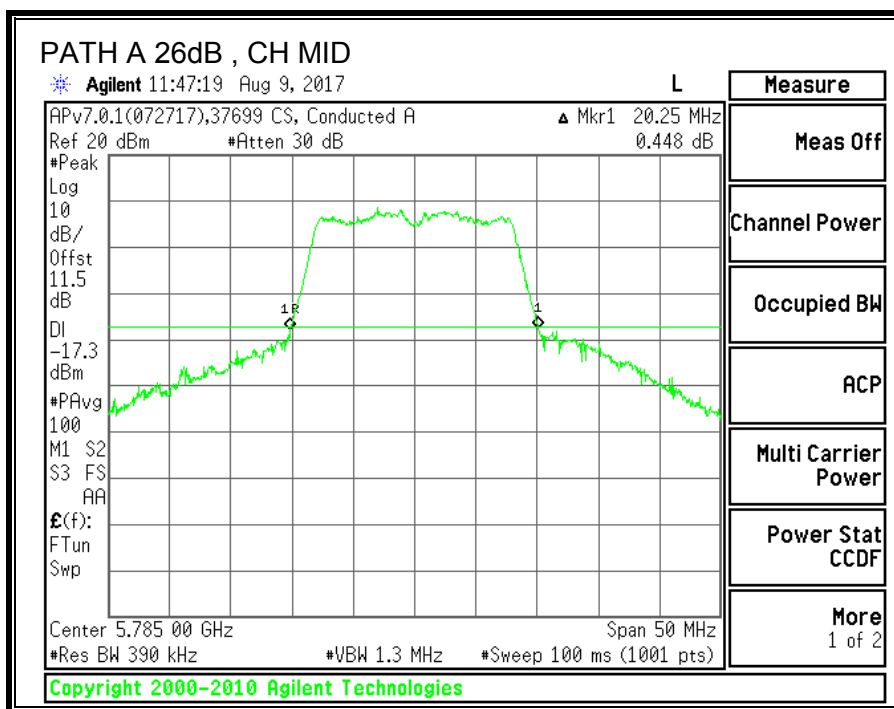
LIMITS

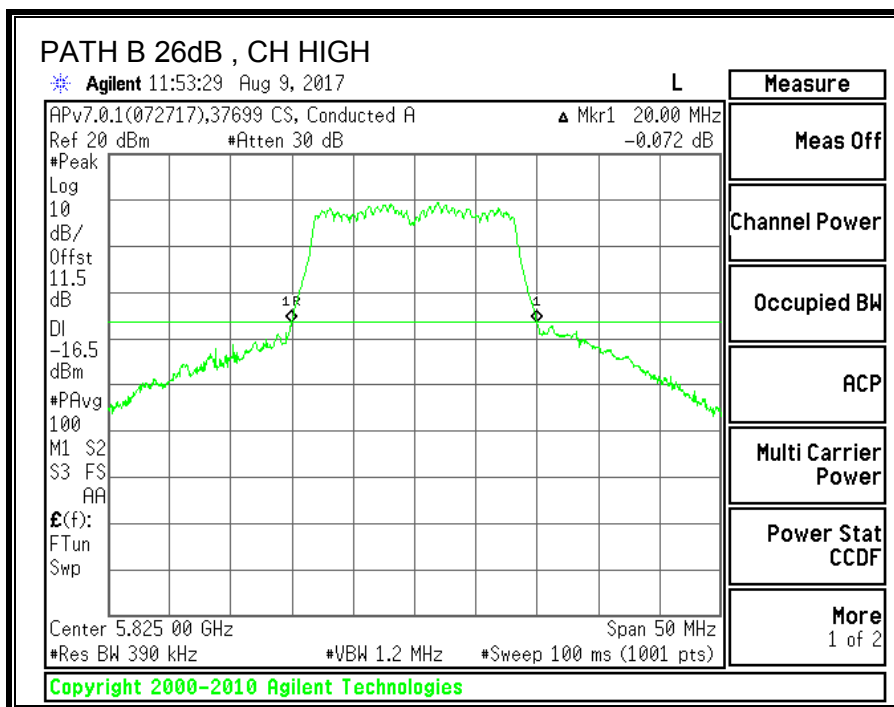
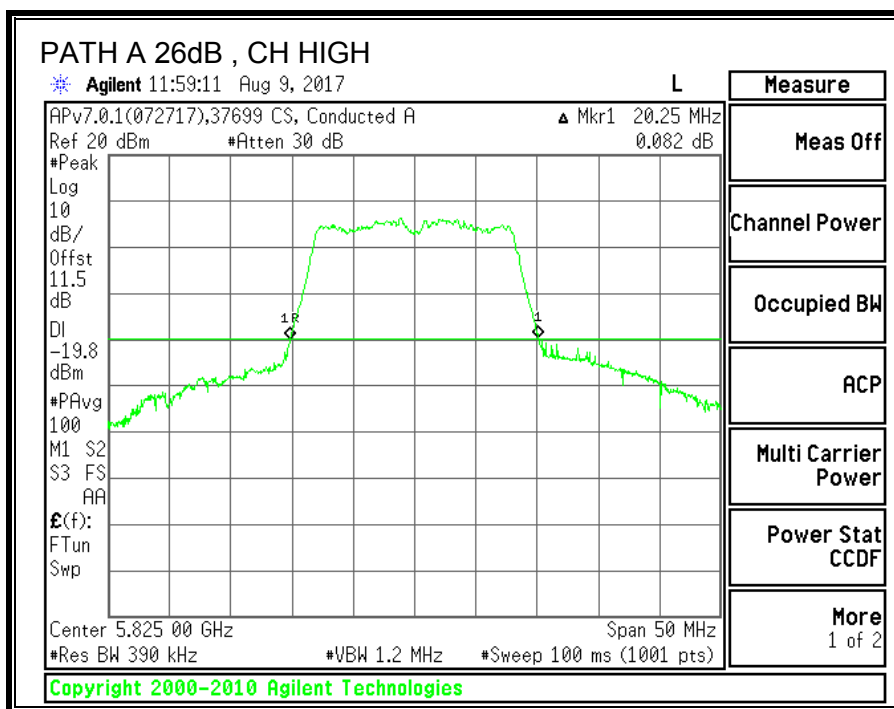
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW PATH A (MHz)	26 dB BW PATH B (MHz)
Low	5745	20.15	20.10
Mid	5785	20.25	20.10
High	5825	20.25	20







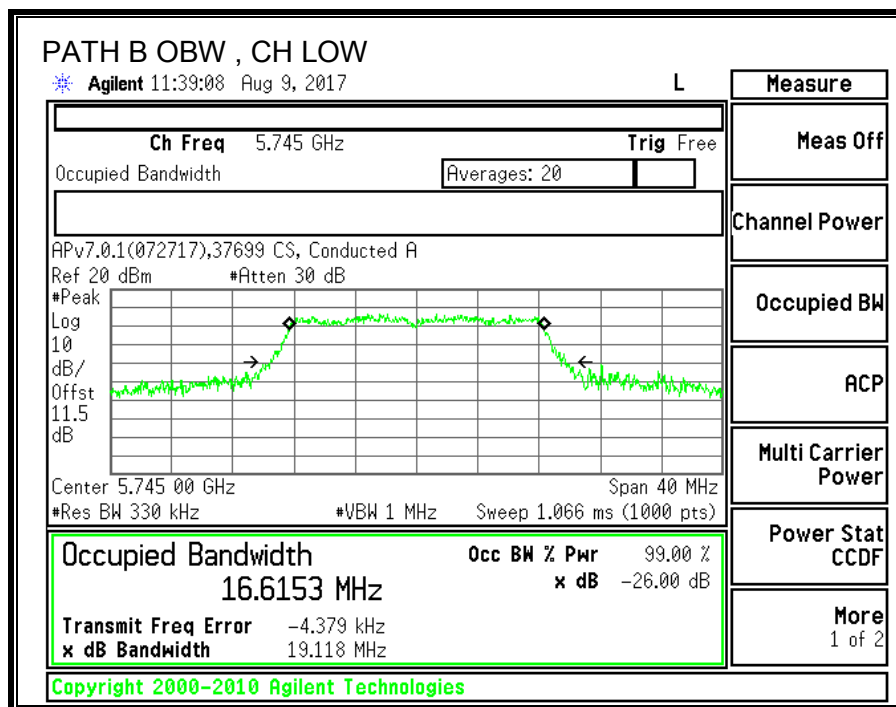
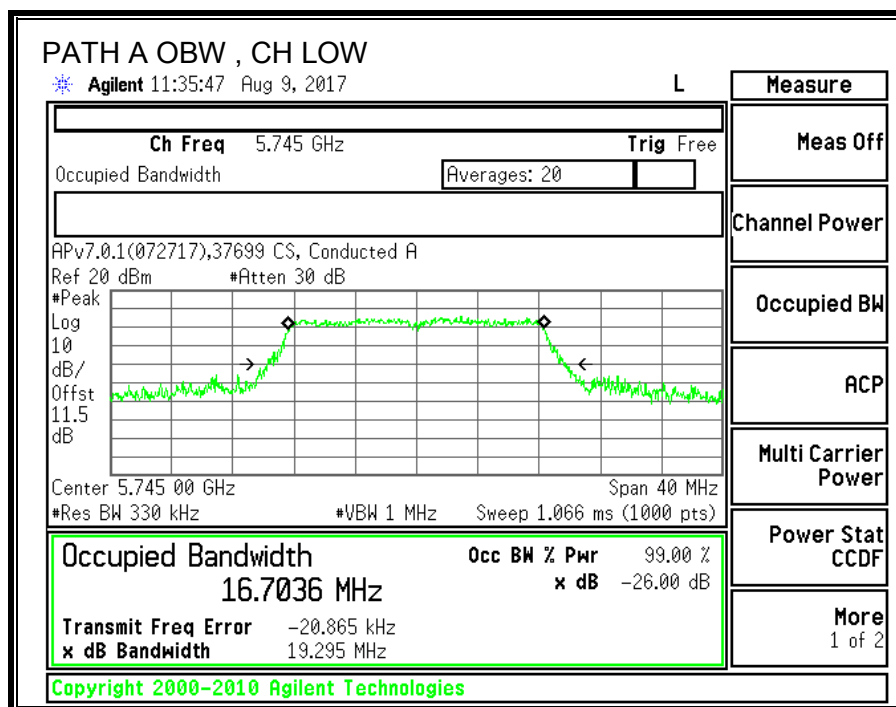
9.13.3. 99% BANDWIDTH

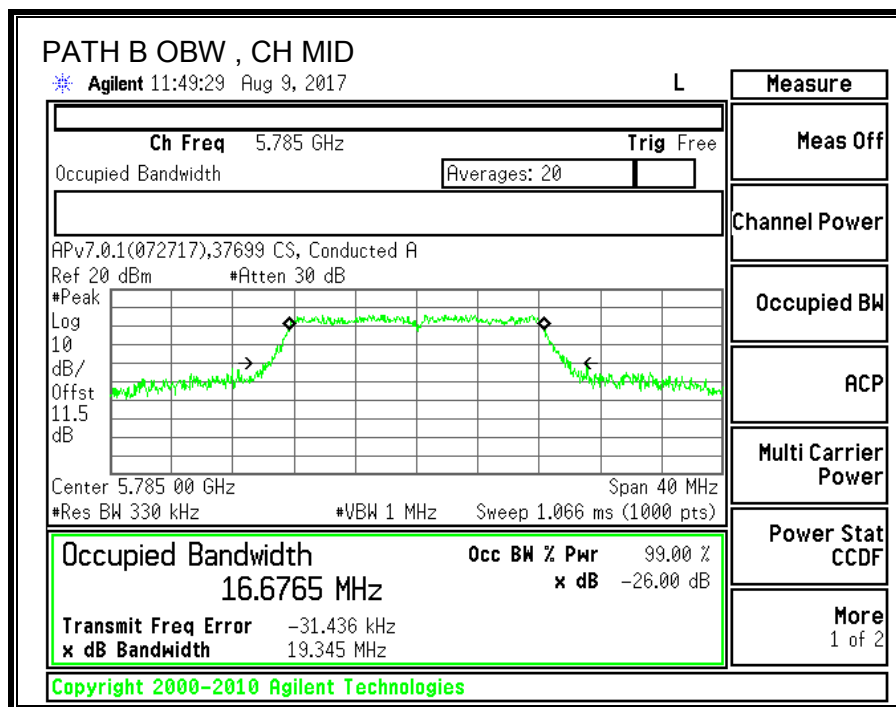
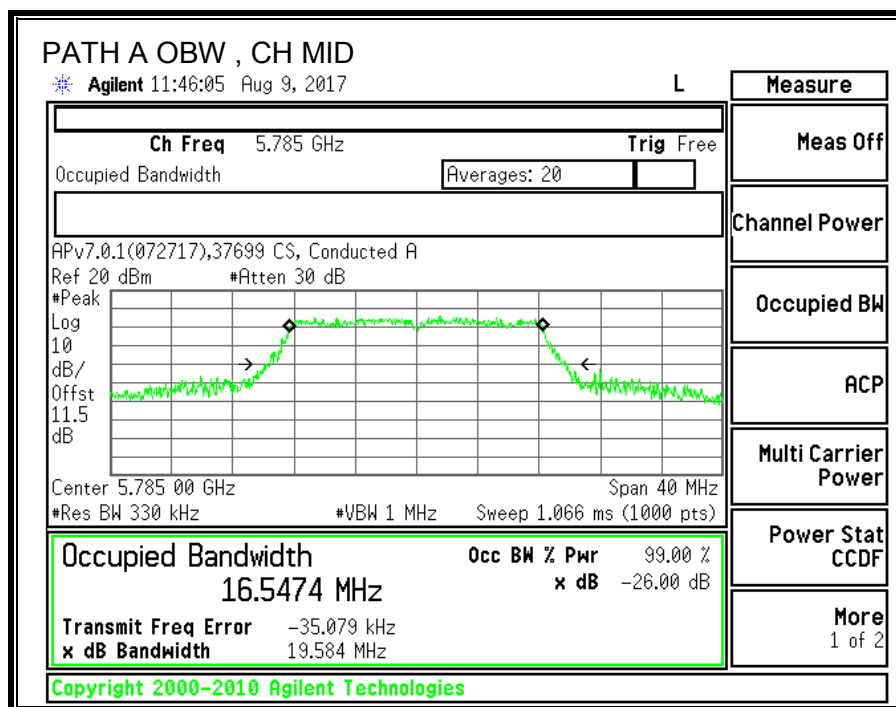
LIMITS

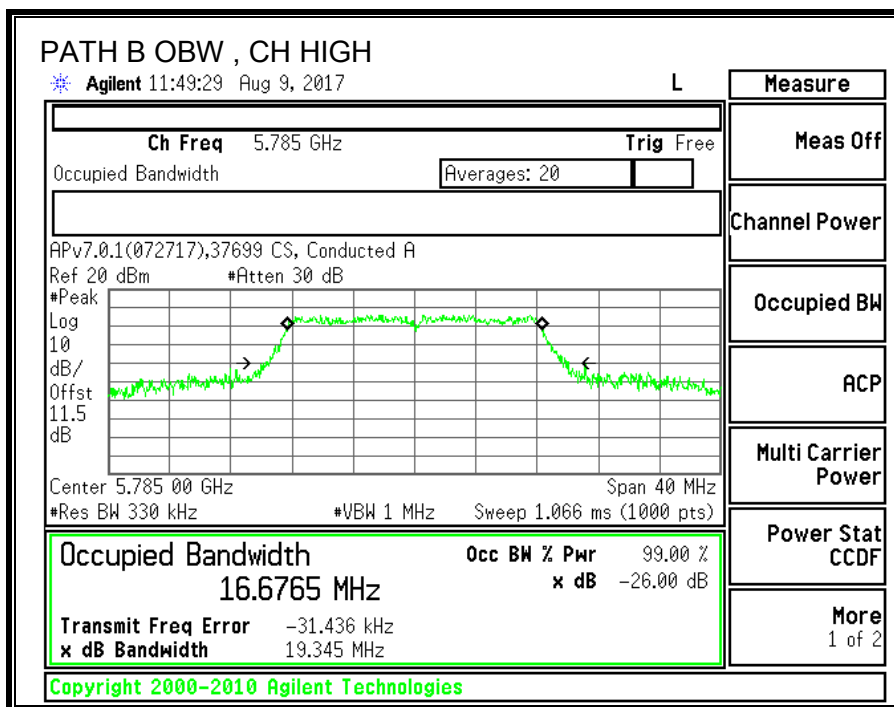
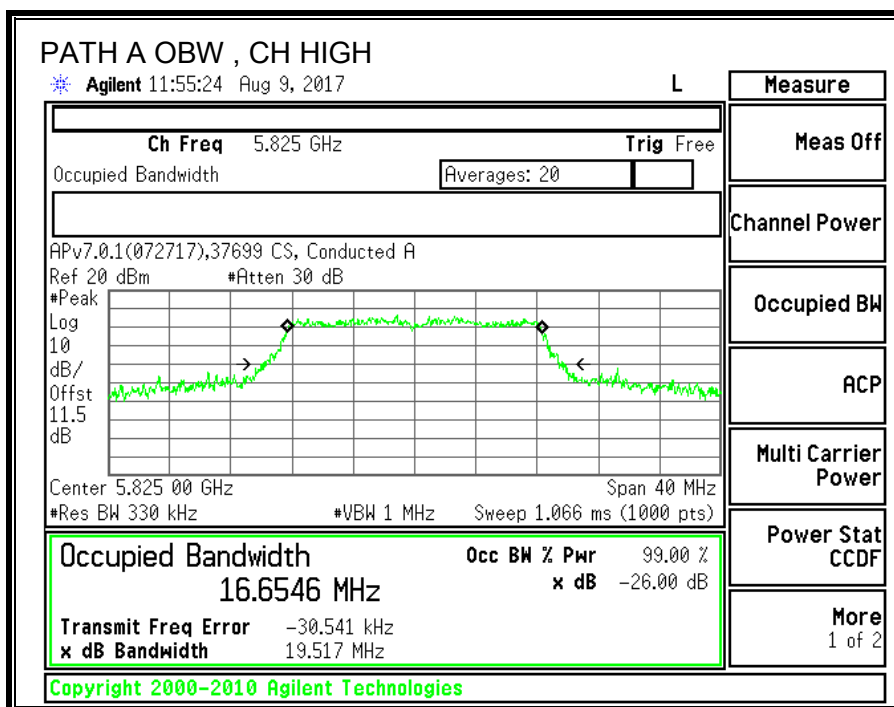
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW PATH A (MHz)	99% BW PATH B (MHz)
Low	5745	16.7036	16.6153
Mid	5785	16.5474	16.6765
High	5825	16.5646	16.6223







9.13.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

IC RSS-247 (6.2.4) (1)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

Path A Antenna Gain (dBi)	Path B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
1.30	1.60	1.45	4.46

RESULTS

ID:	37699 CS	Date:	8/8/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5745	20.10	16.62	1.45	4.46
Mid	5785	20.10	16.55	1.45	4.46
High	5805	20.00	16.56	1.45	4.46
144	5720	20.00	16.58	1.45	4.46

Limits

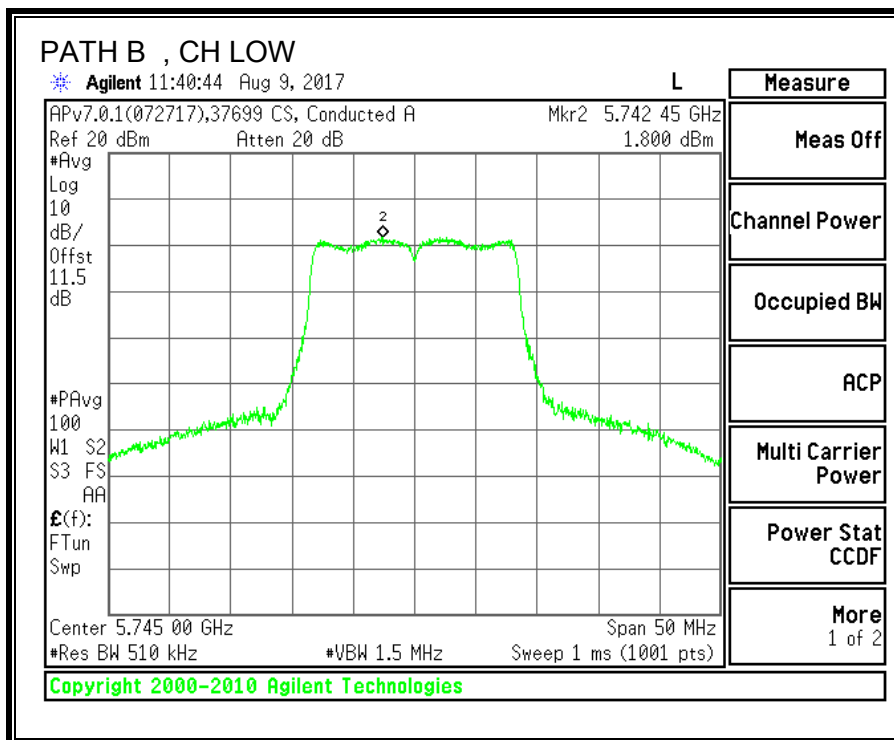
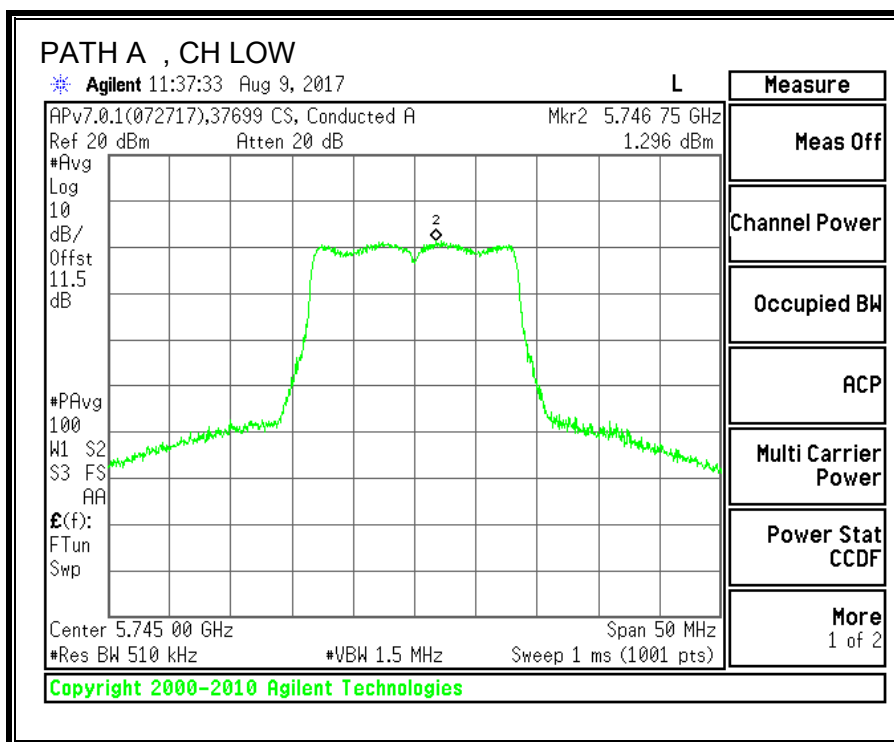
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5745	30.00	29.21	35.21	29.21	30.00	30.00	30.00
Mid	5785	30.00	29.19	35.19	29.19	30.00	30.00	30.00
High	5805	30.00	29.19	35.19	29.19	30.00	30.00	30.00
144	5720	30.00	29.20	35.20	29.20	30.00	30.00	30.00

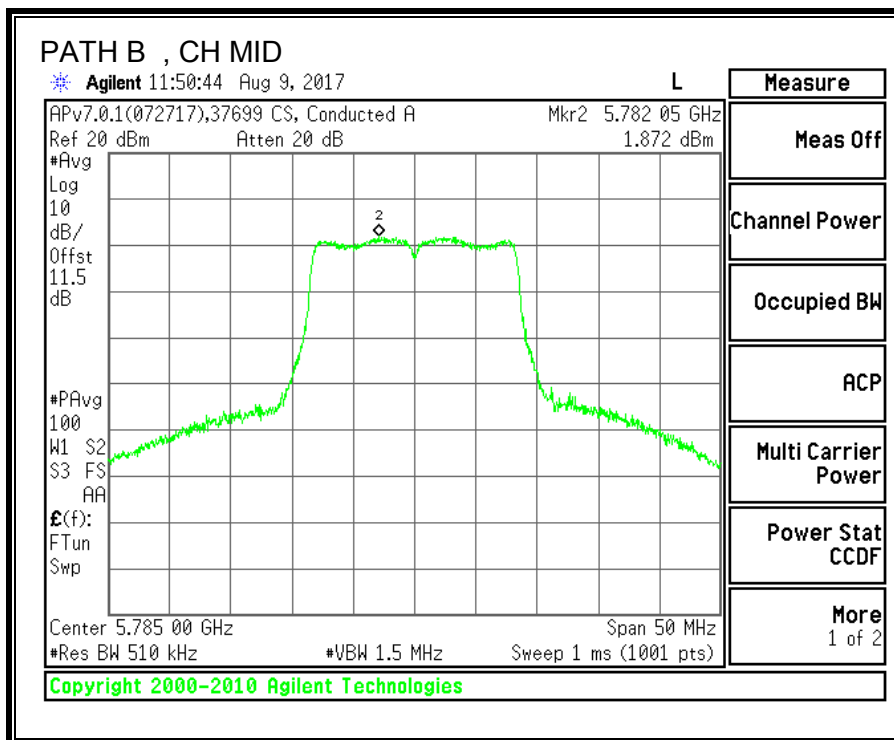
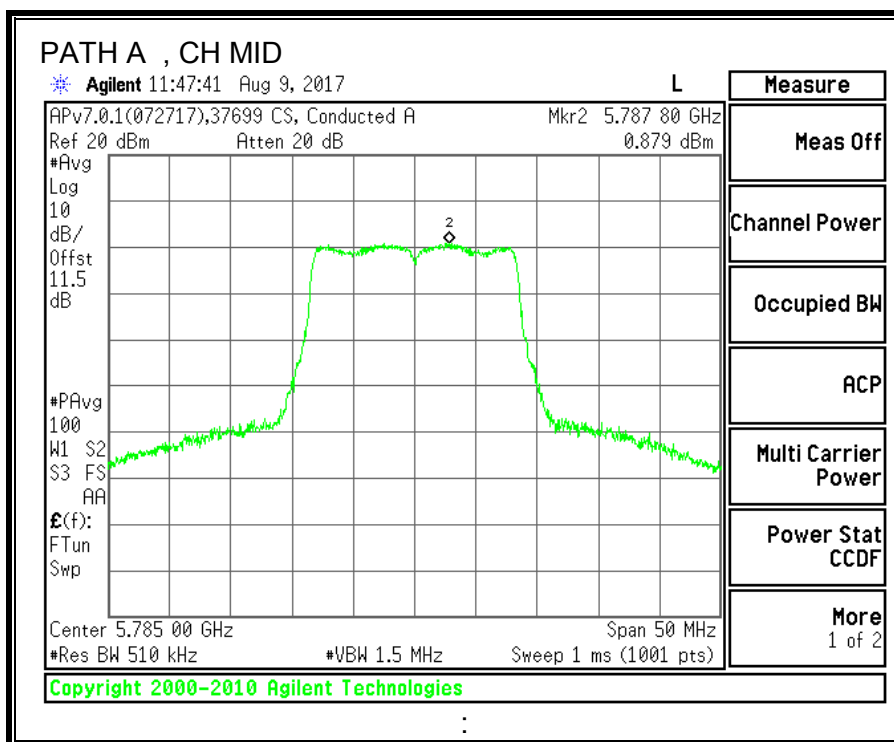
Output Power Results

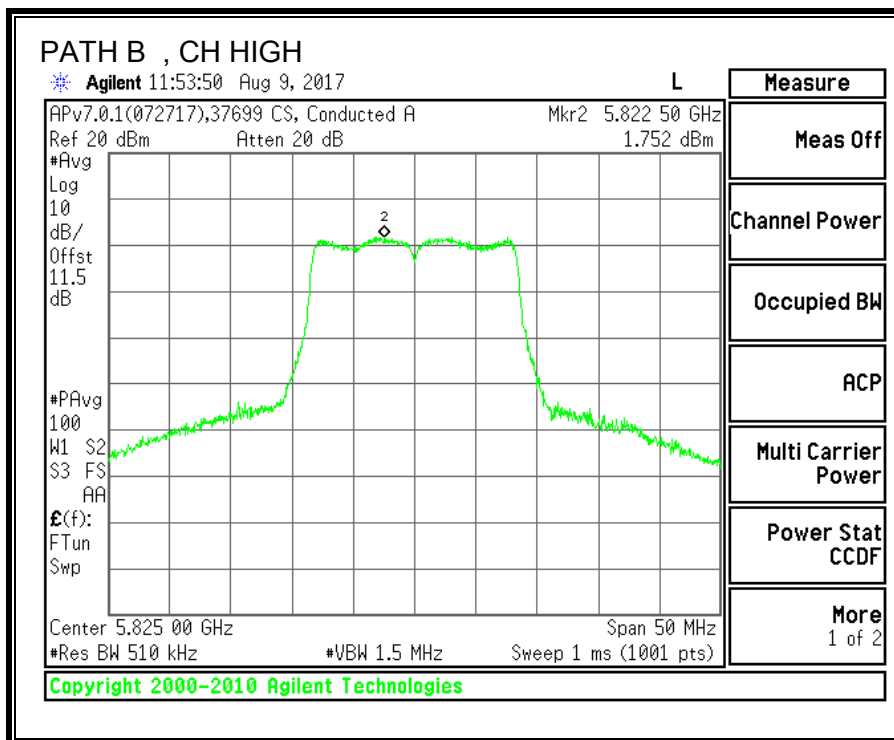
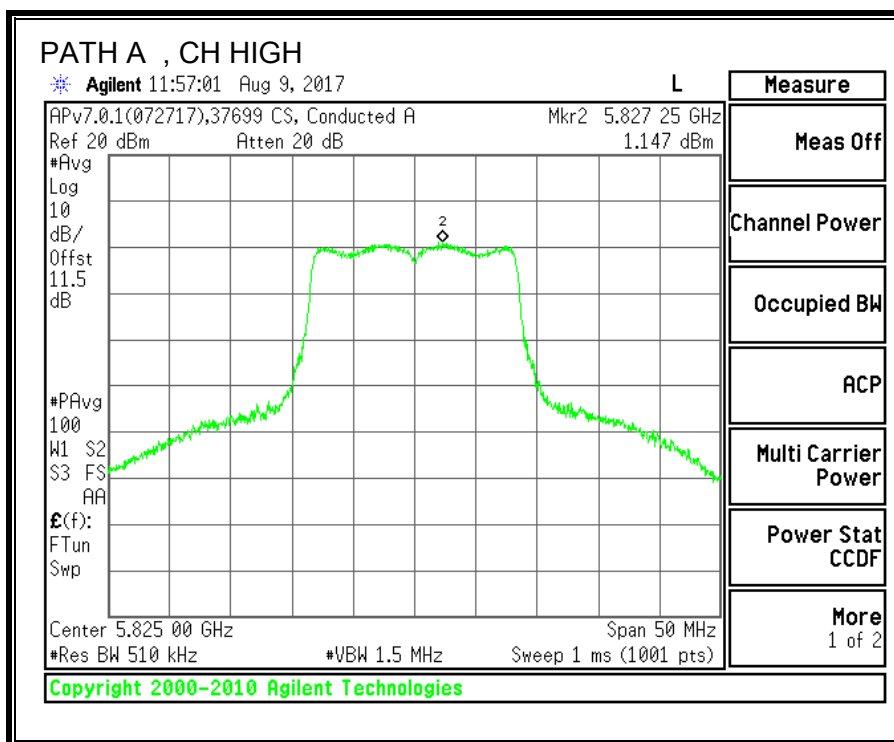
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	13.97	14.55	17.28	29.21	-11.93
Mid	5785	14.04	14.52	17.30	29.19	-11.89
High	5805	13.82	14.53	17.20	29.19	-11.99
144	5720	5.23	5.38	8.32	29.20	-20.88

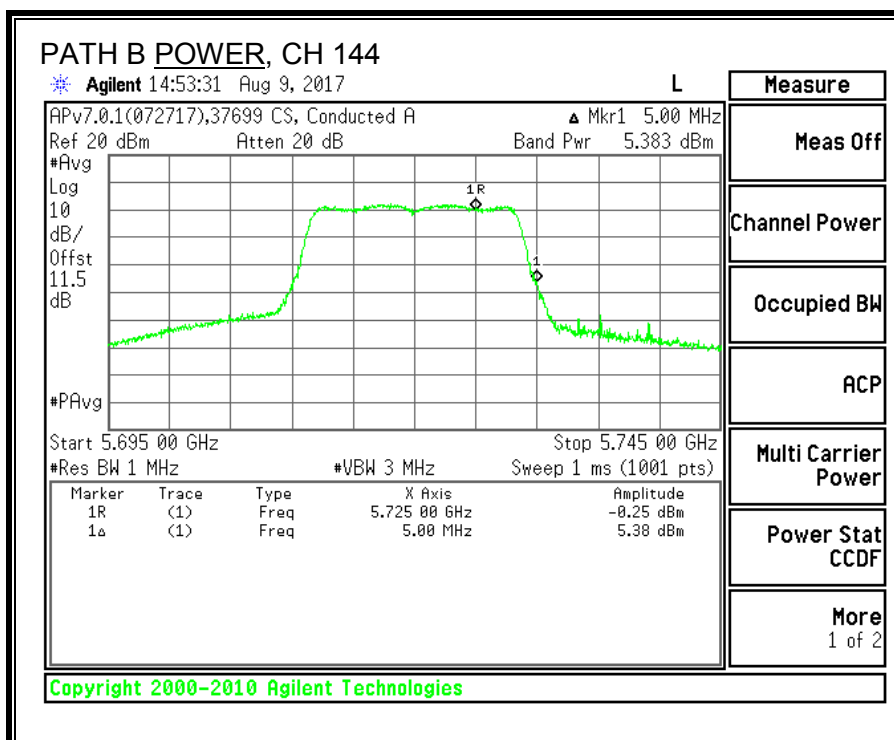
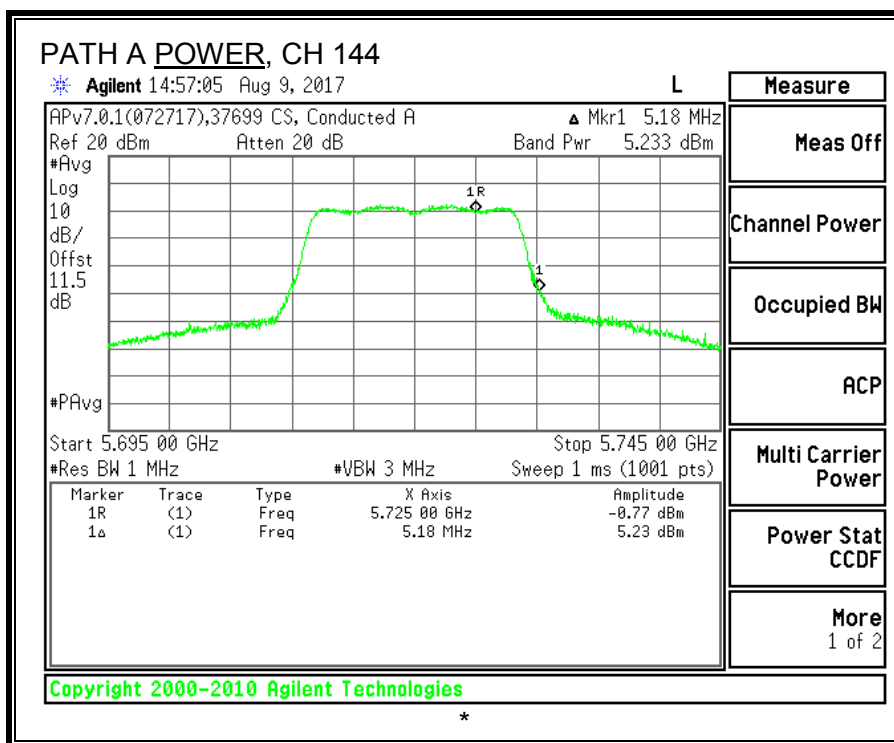
PPSD Results

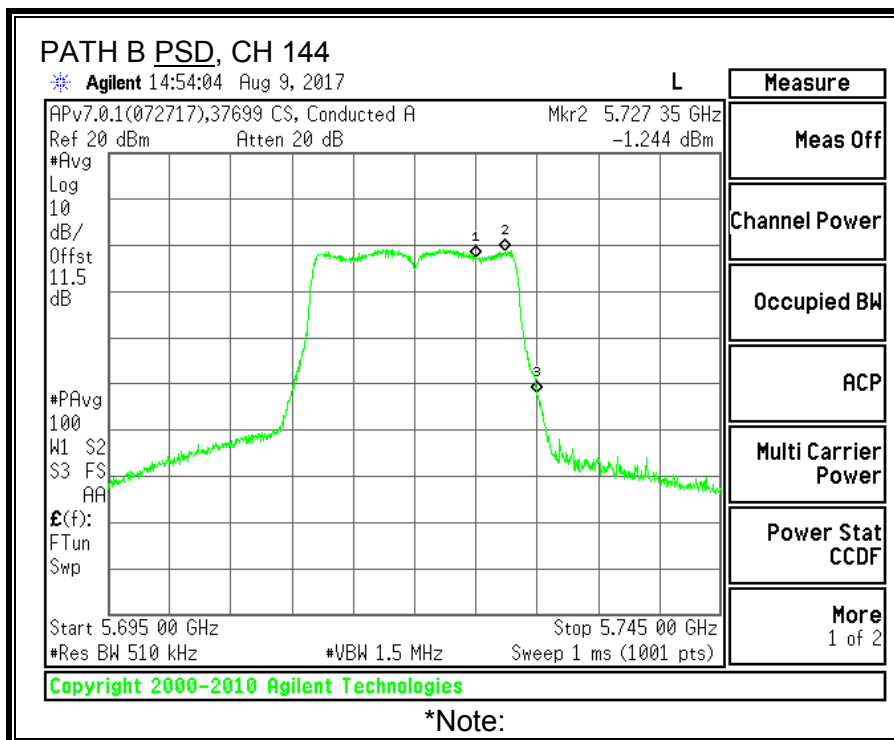
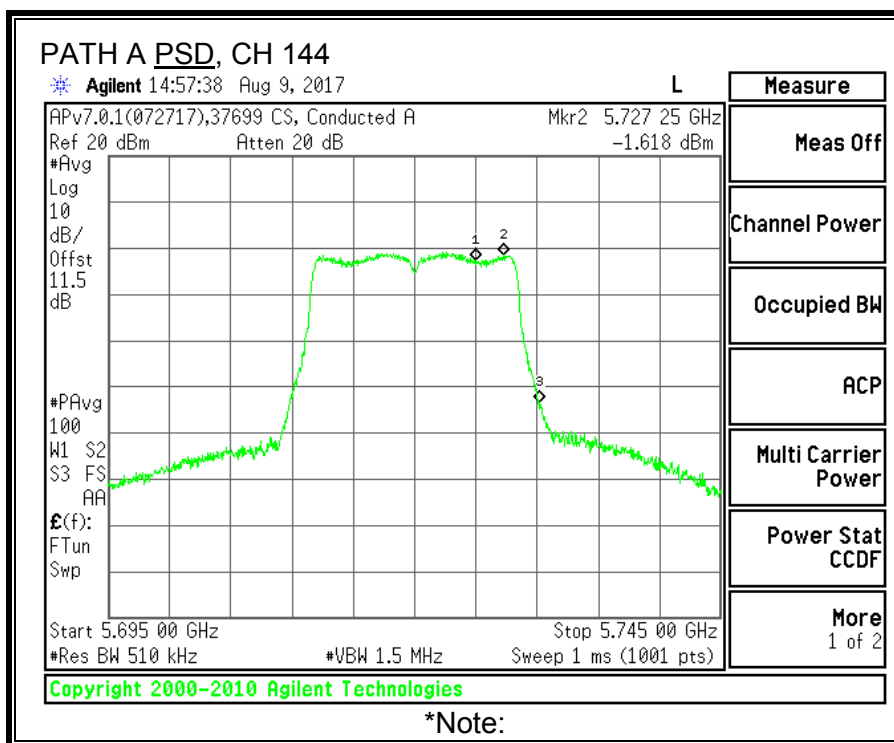
Channel	Frequency (MHz)	Path A Meas PPSD (dBm)	Path B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	1.30	1.80	4.57	30.00	-25.43
Mid	5785	0.88	1.87	4.41	30.00	-25.59
High	5805	1.15	1.75	4.47	30.00	-25.53
144	5720	-1.62	-1.24	1.58	30.00	-28.42











9.14. 11n HT20 2TX MODE IN THE 5.8GHz BAND

9.14.1. 6 dB BANDWIDTH

LIMITS

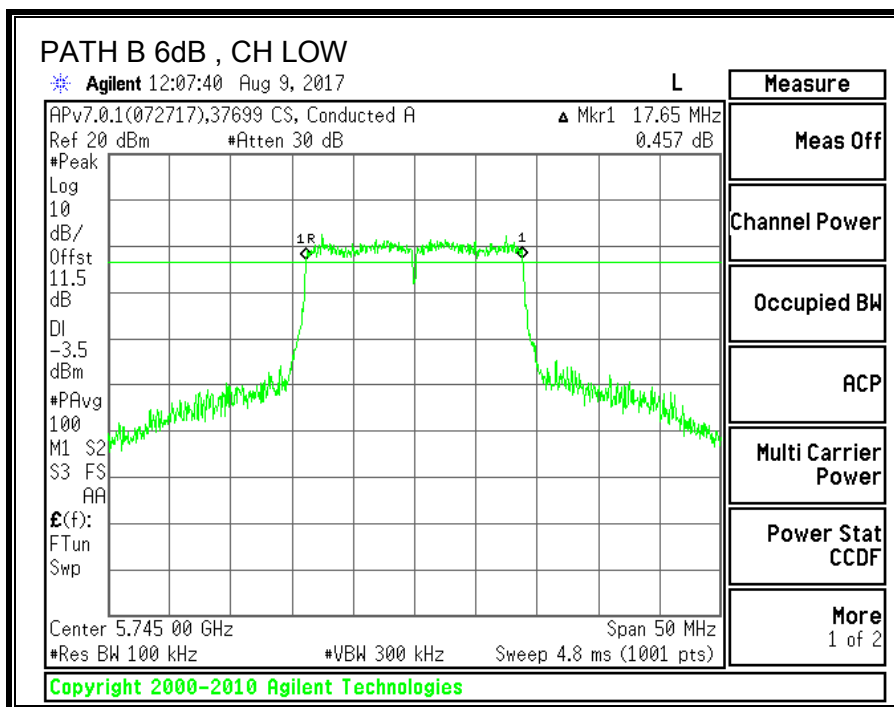
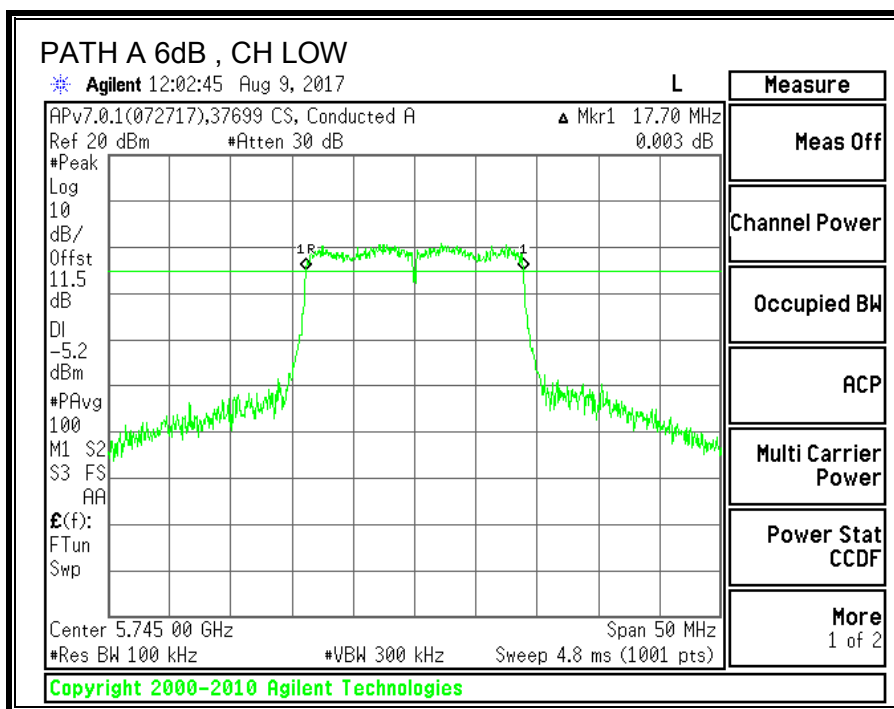
FCC §15.407 (e)

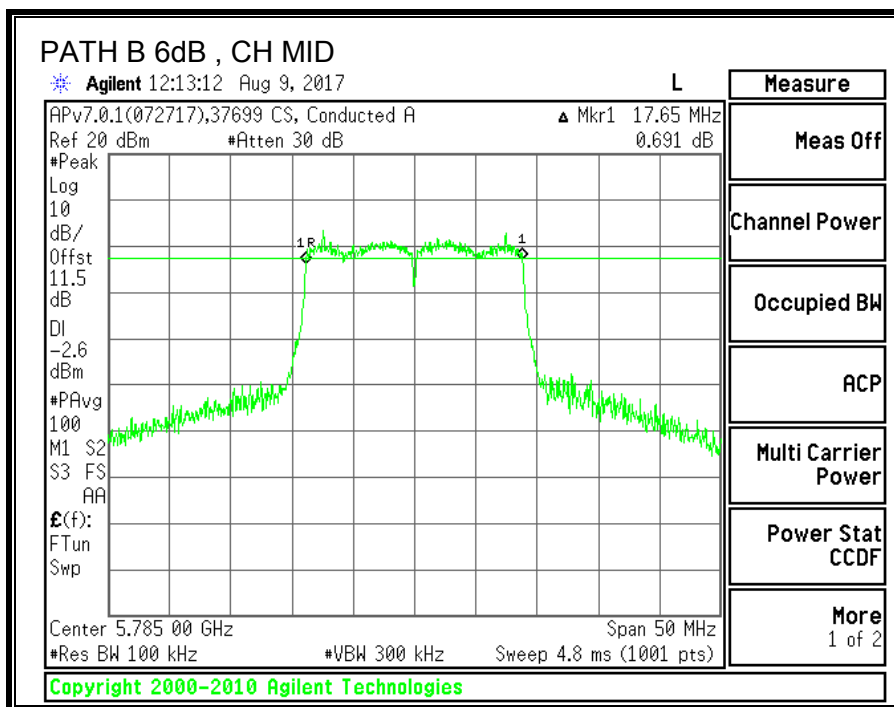
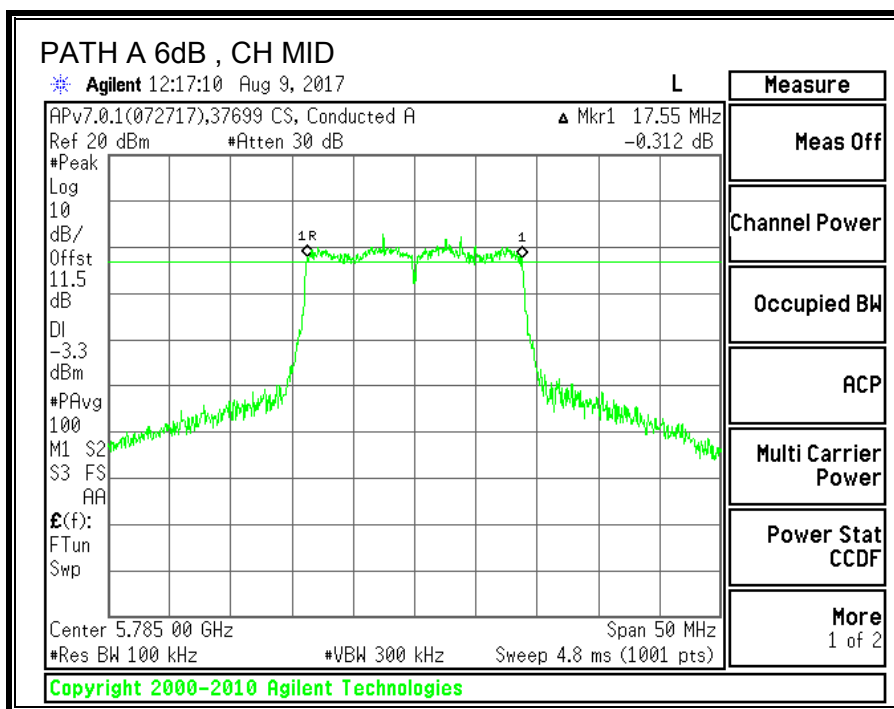
IC RSS-247 (6.2.4) (1)

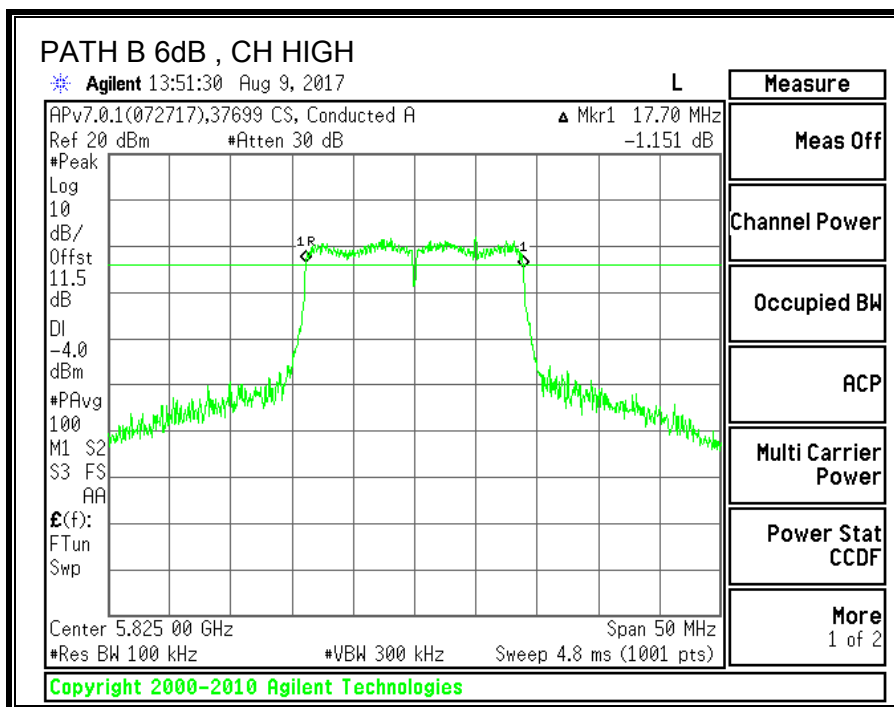
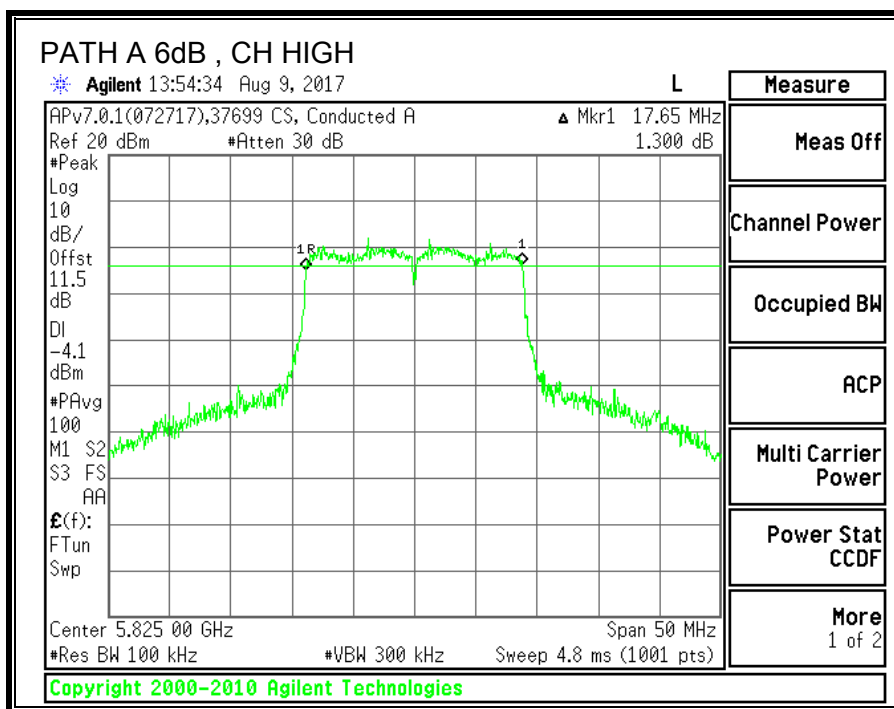
The minimum 6 dB bandwidth shall be at least 500 kHz.

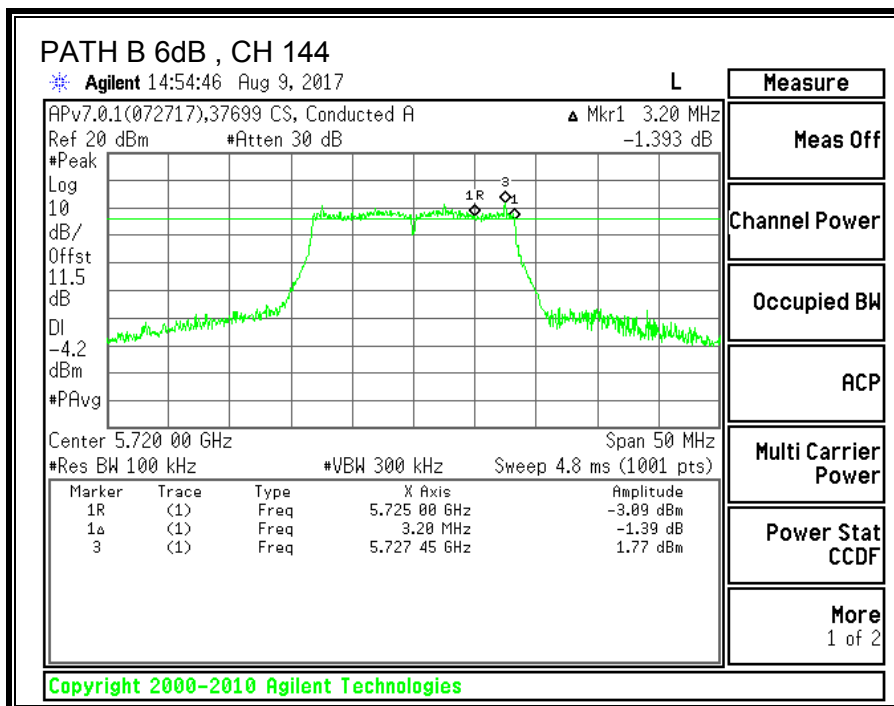
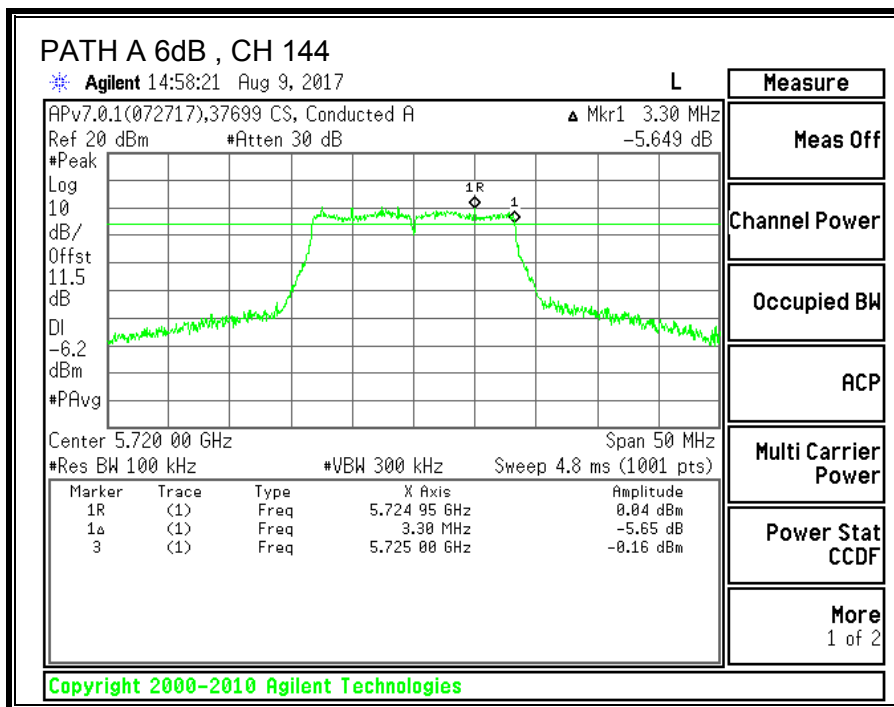
RESULTS

Channel	Frequency	6 dB BW PATH A (MHz)	6 dB BW PATH B (MHz)	Minimum Limit (MHz)
Low	5745	17.70	17.65	0.5
Mid	5785	17.55	17.65	0.5
High	5825	17.65	17.70	0.5
144	5720	3.3	3.2	0.5









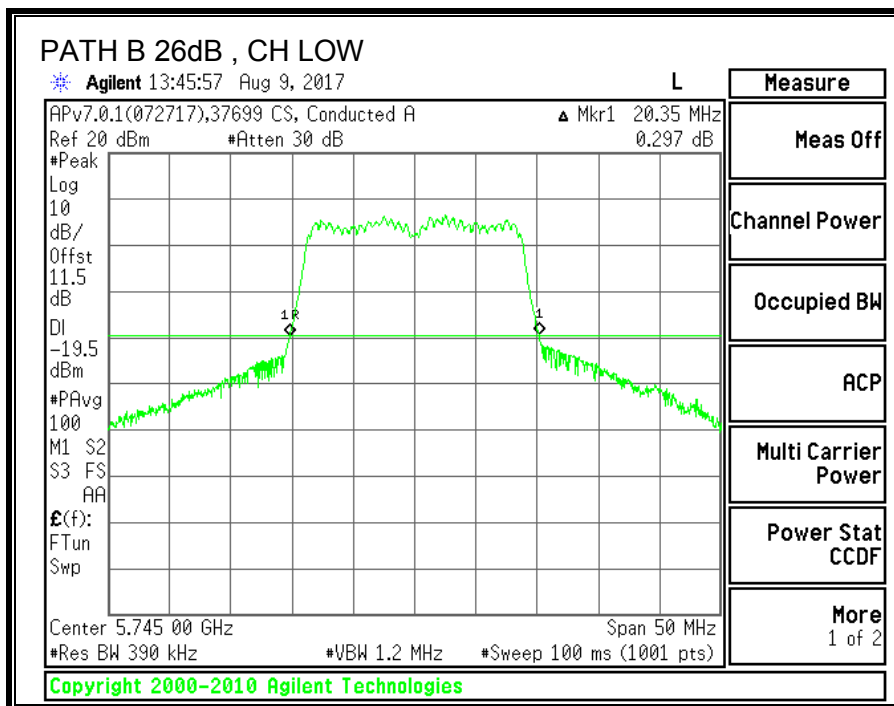
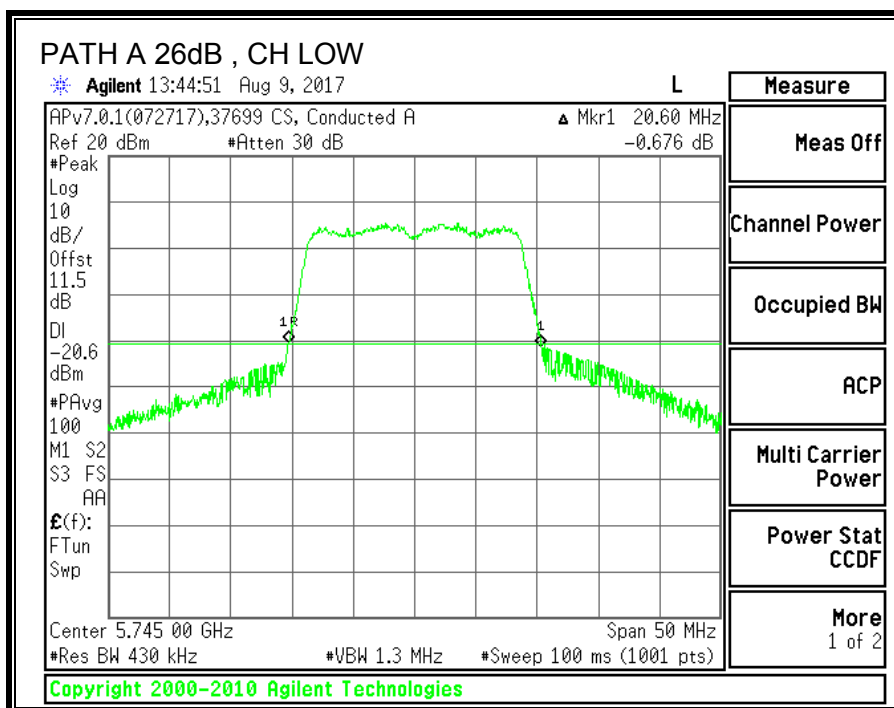
9.14.2. 26 dB BANDWIDTH

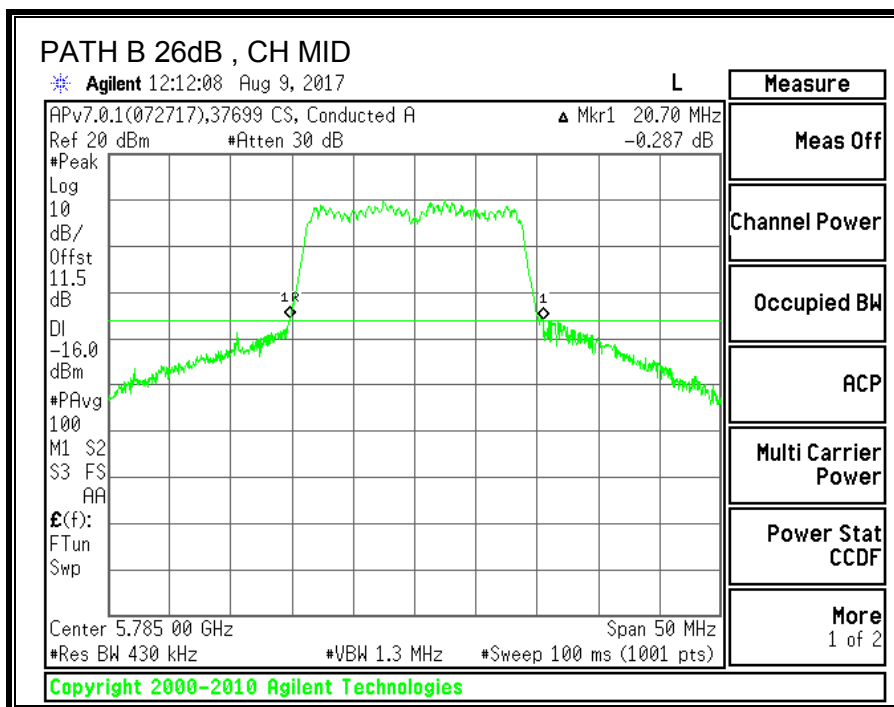
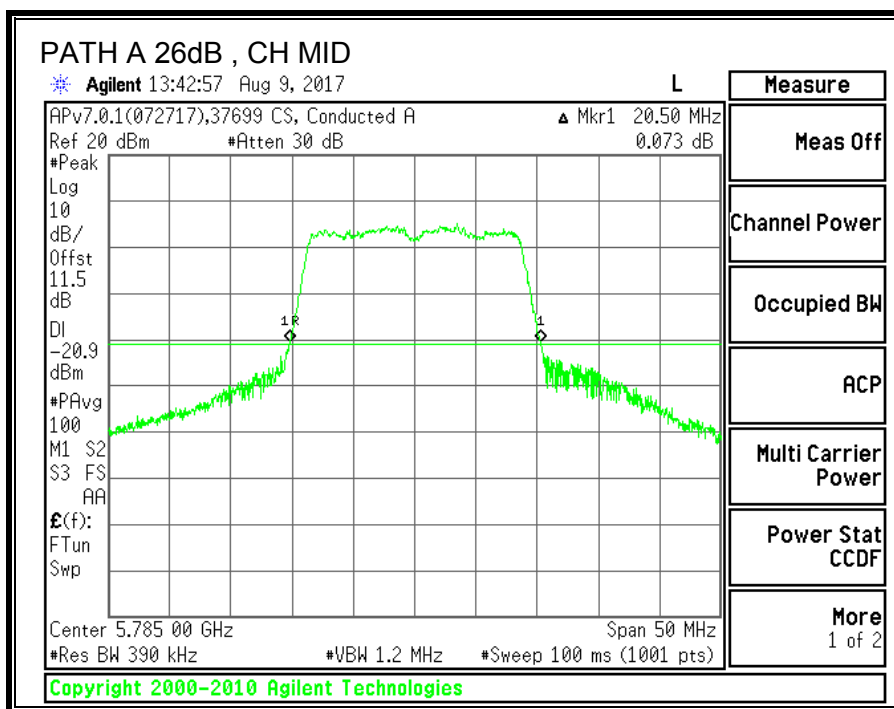
LIMITS

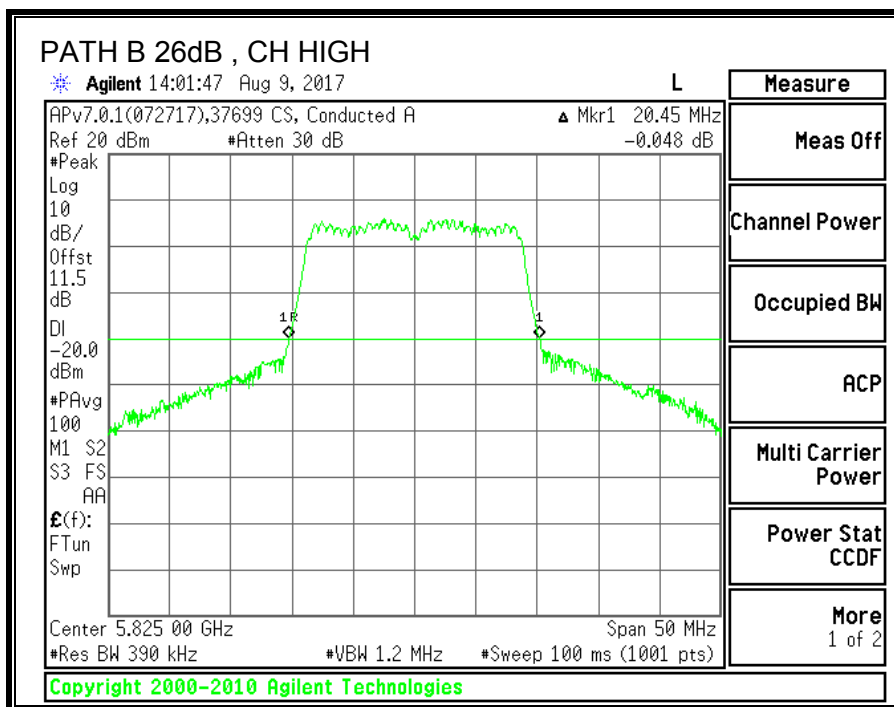
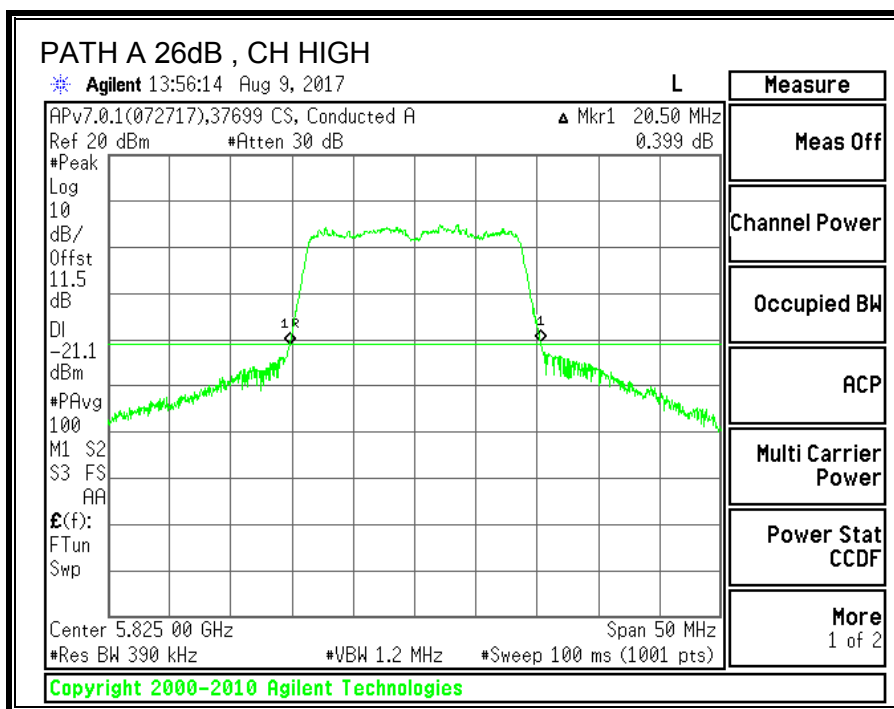
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW PATH A (MHz)	26 dB BW PATH B (MHz)
Low	5745	20.60	20.35
Mid	5785	20.50	20.70
High	5825	20.50	20.45







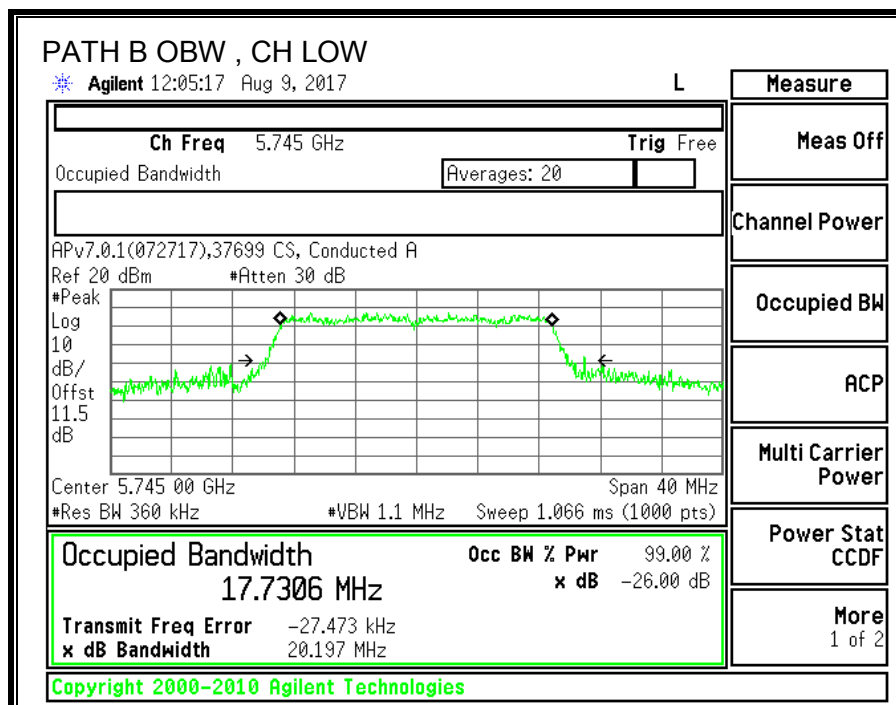
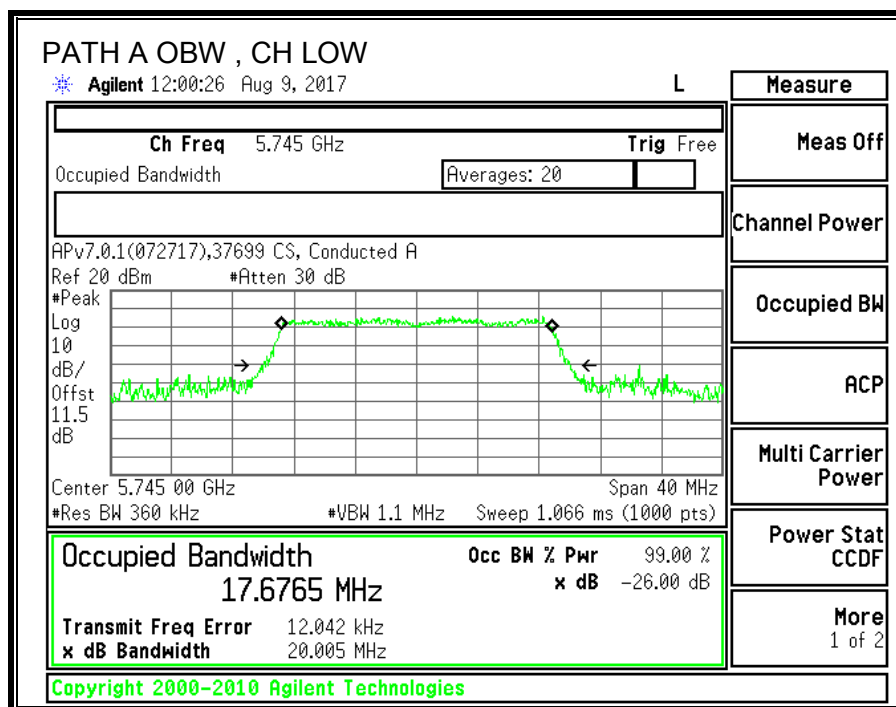
9.14.3. 99% BANDWIDTH

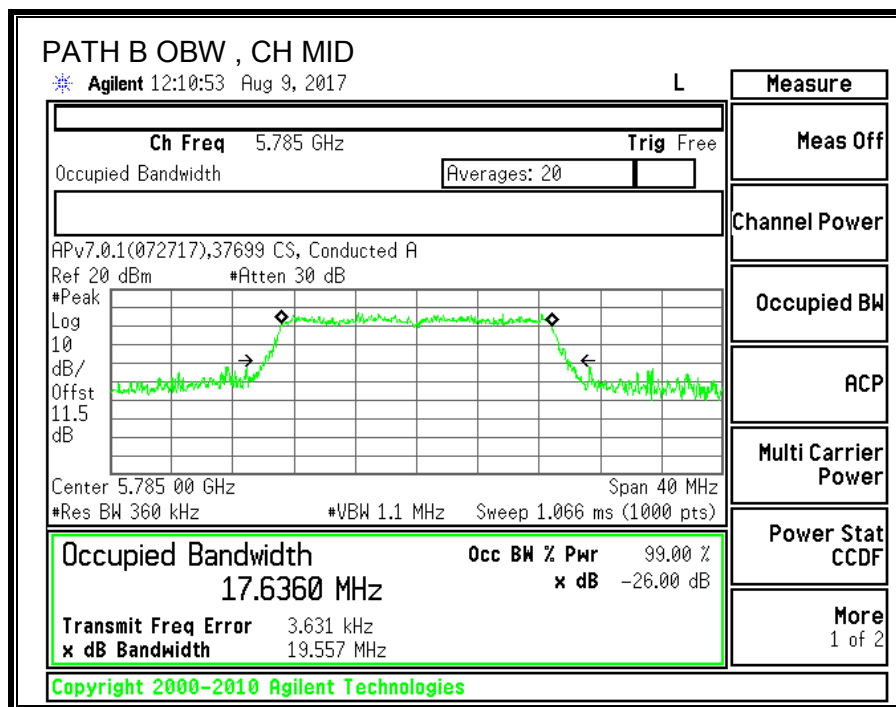
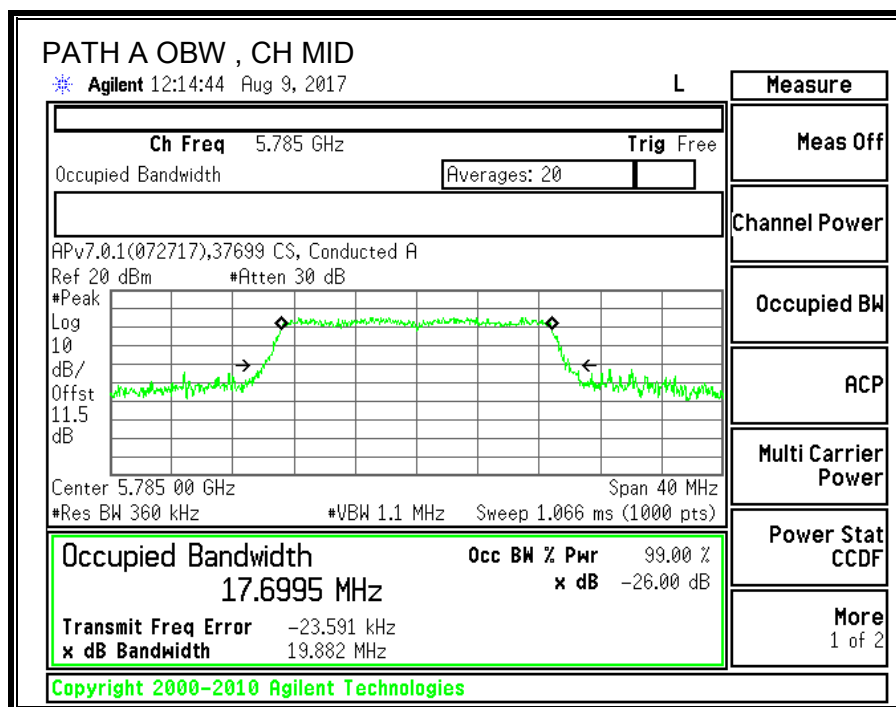
LIMITS

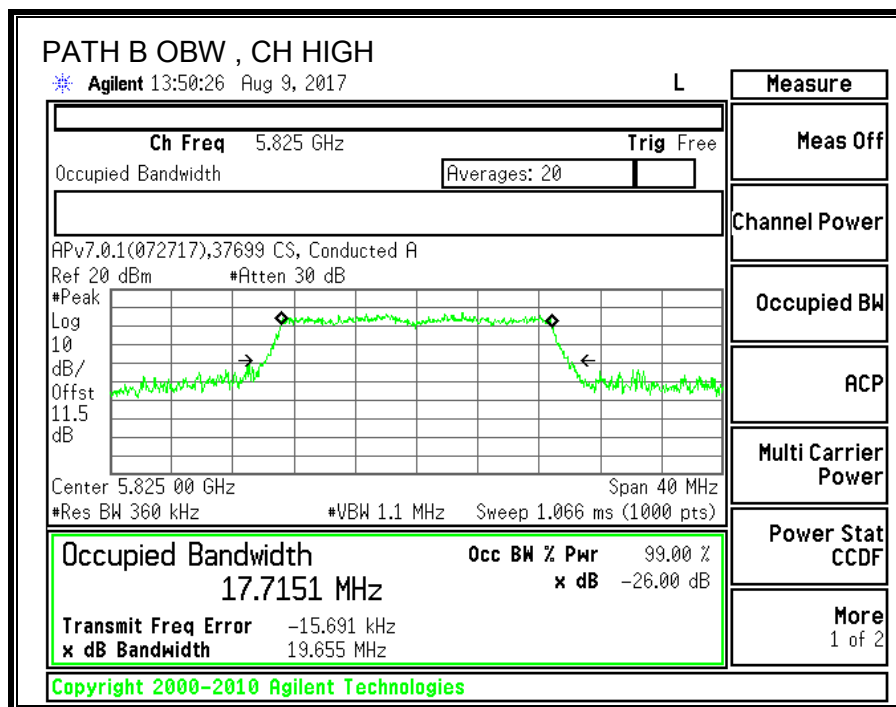
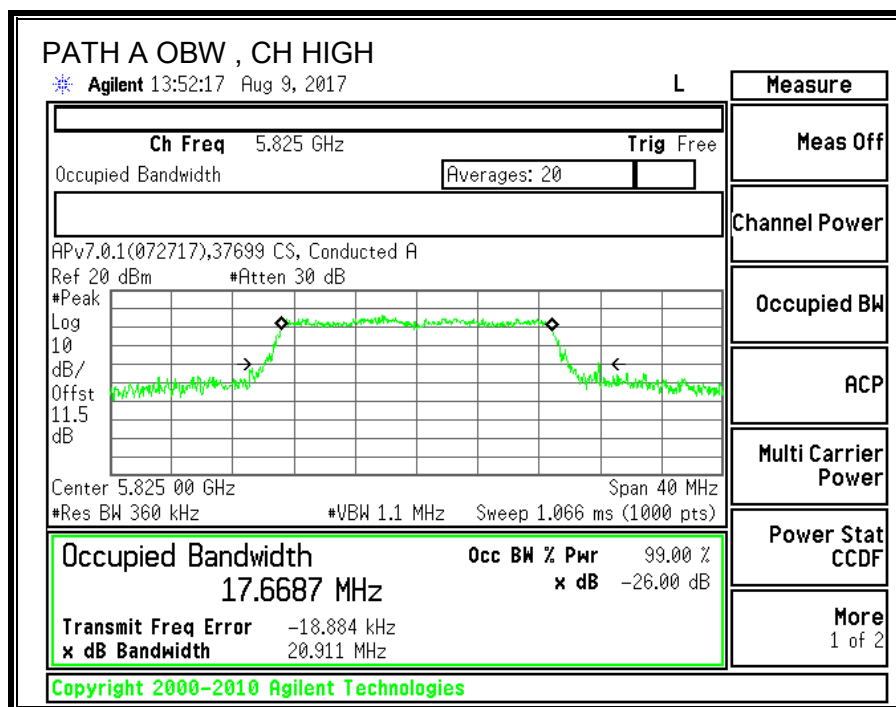
None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW PATH A (MHz)	99% BW PATH B (MHz)
Low	5745	17.6765	17.7306
Mid	5785	17.6995	17.6360
High	5825	17.6687	17.7151







9.14.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

IC RSS-247 (6.2.4) (1)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

Path A Antenna Gain (dBi)	Path B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
1.30	1.60	1.45	4.46

RESULTS

ID:	37699 CS	Date:	8/9/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
Low	5745	20.35	17.68	1.45	4.46
Mid	5785	20.50	17.64	1.45	4.46
High	5805	20.45	17.67	1.45	4.46
144	5720	20.35	17.63	1.45	4.46

Limits

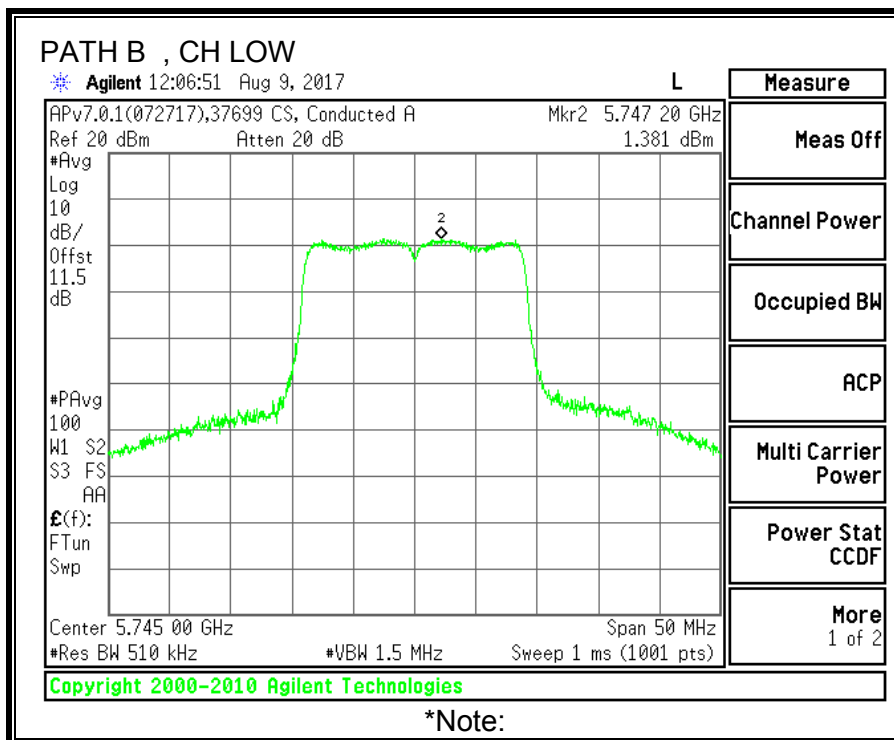
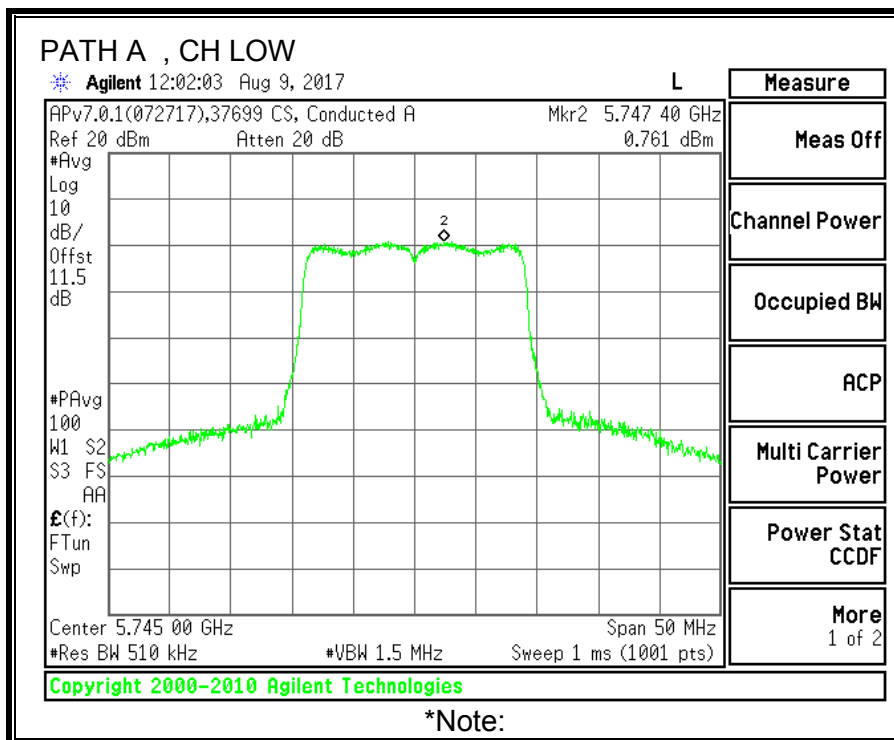
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
Low	5745	30.00	29.47	35.47	29.47	30.00	30.00	30.00
Mid	5785	30.00	29.46	35.46	29.46	30.00	30.00	30.00
High	5805	30.00	29.47	35.47	29.47	30.00	30.00	30.00
144	5720	30.00	29.46	35.46	29.46	30.00	30.00	30.00

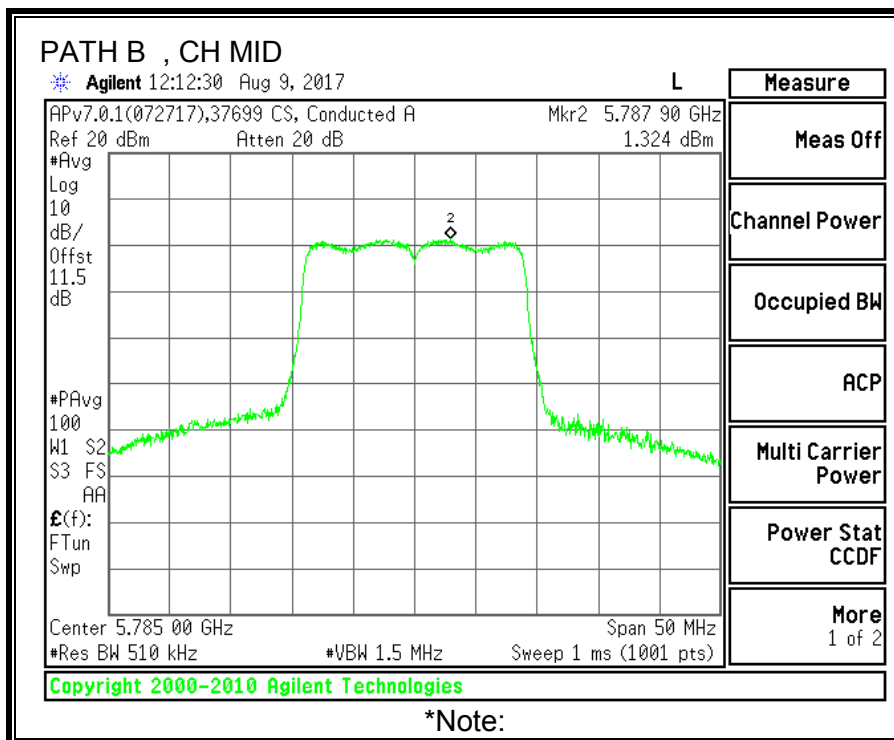
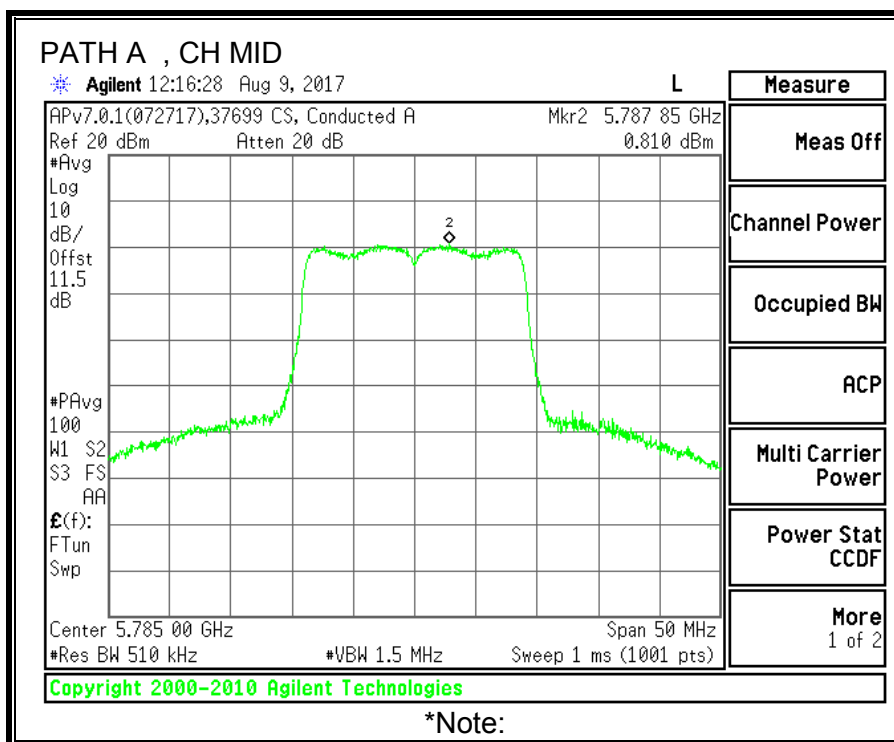
Output Power Results

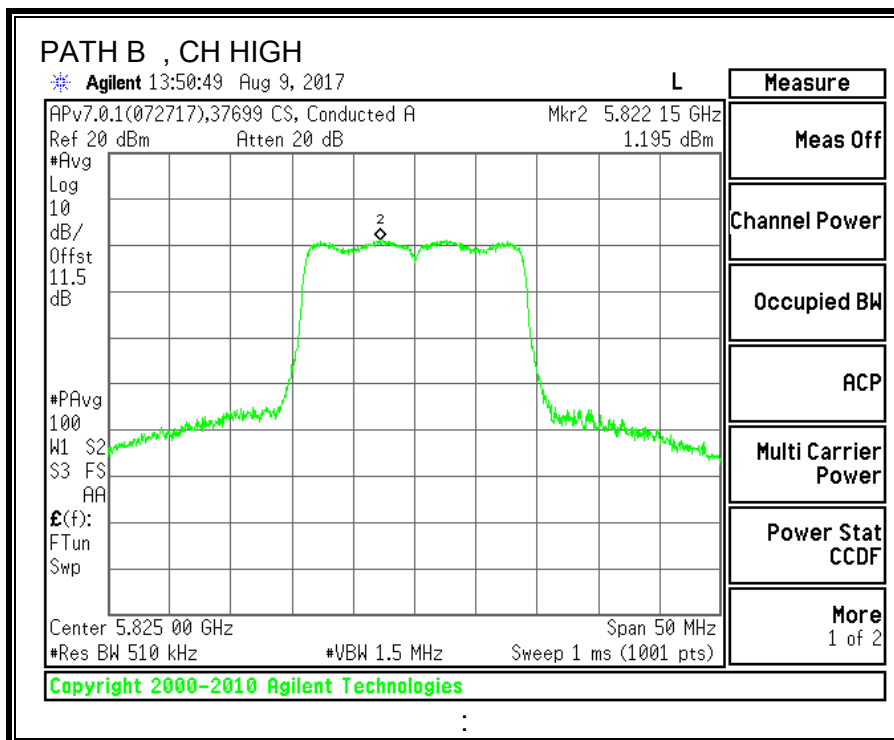
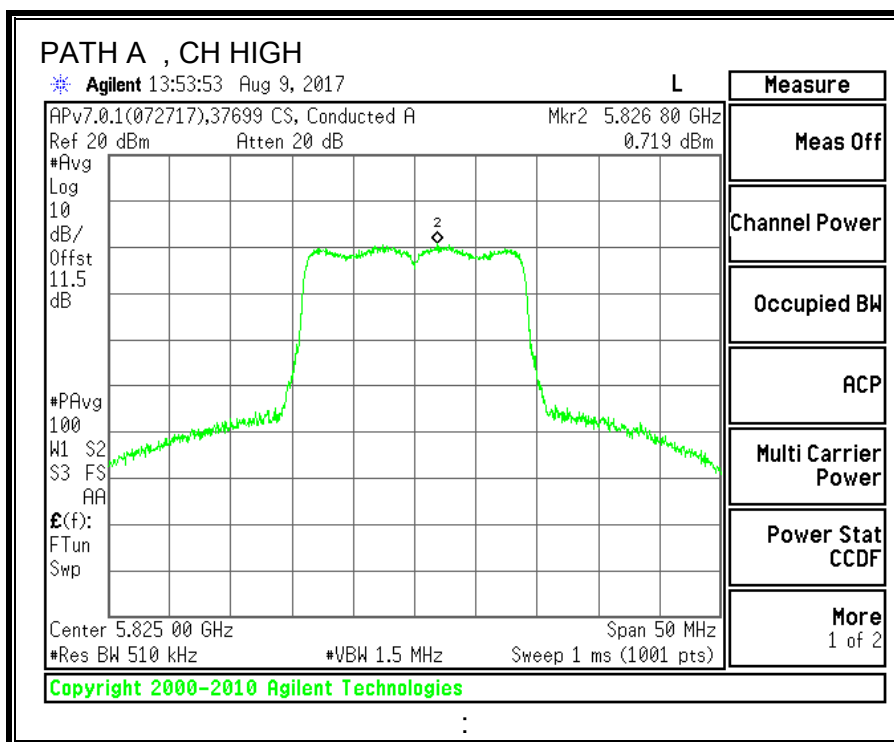
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	14.02	14.53	17.29	29.47	-12.18
Mid	5785	13.71	14.65	17.22	29.46	-12.25
High	5805	13.64	14.43	17.06	29.47	-12.41
144	5720	5.46	6.11	8.81	29.46	-20.66

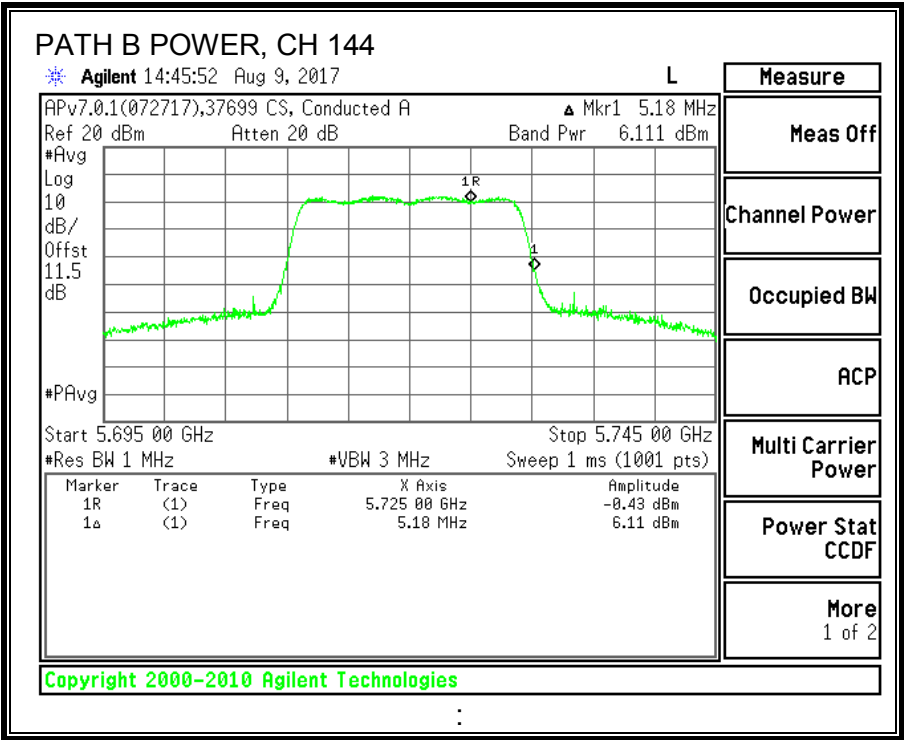
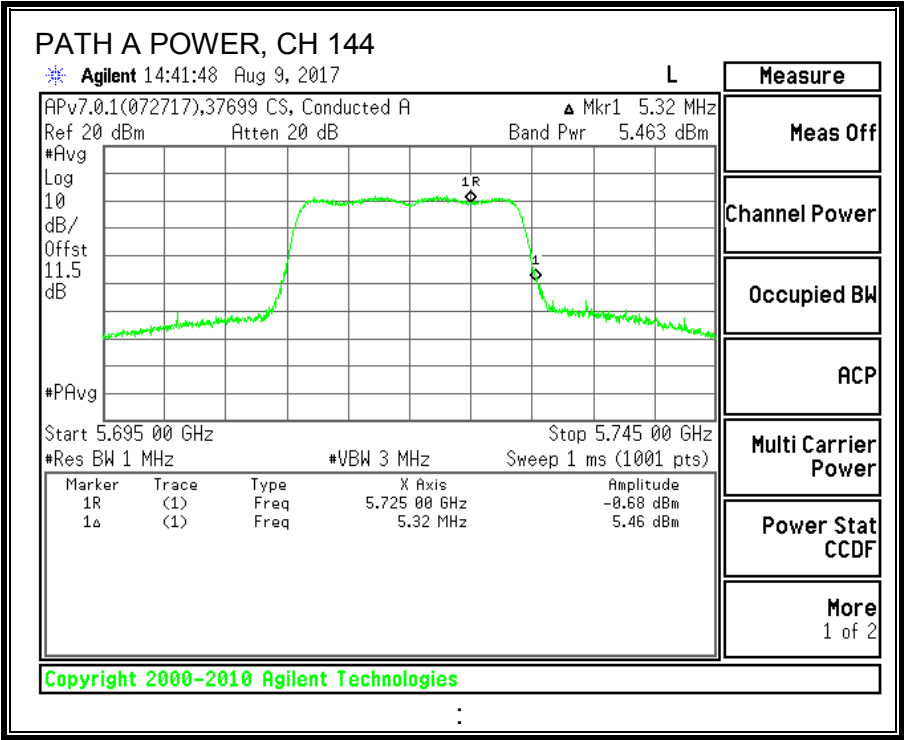
PPSD Results

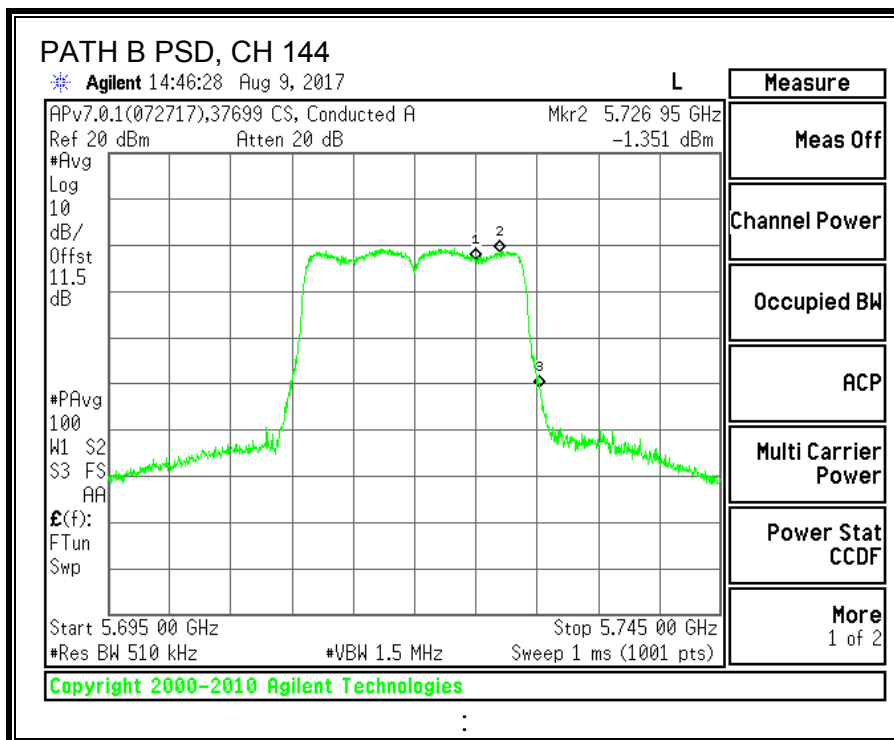
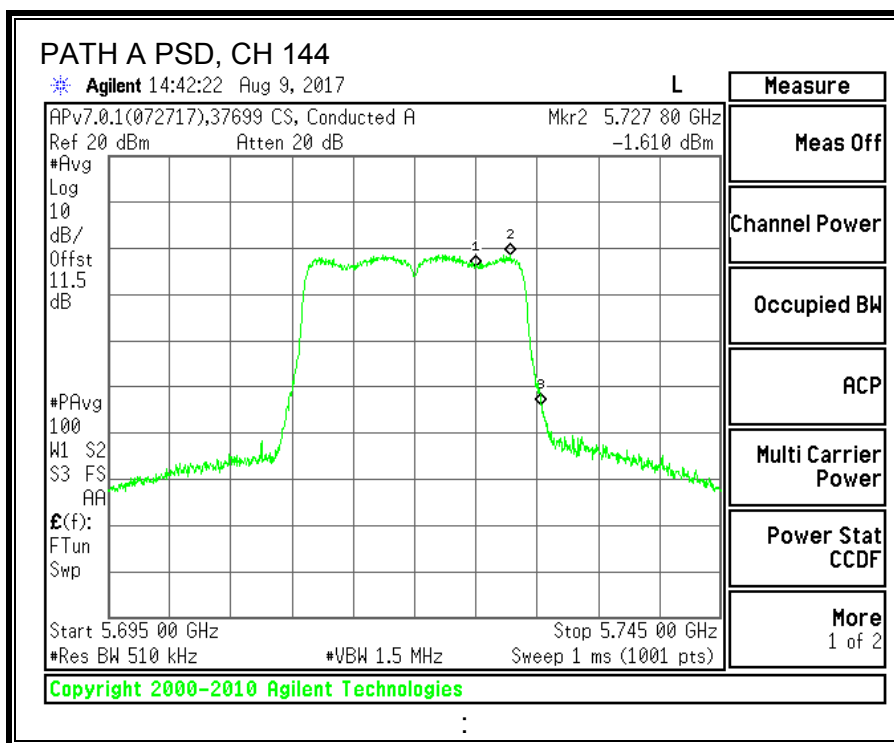
Channel	Frequency (MHz)	Path A Meas PPSD (dBm)	Path B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	0.76	1.38	4.09	30.00	-25.91
Mid	5785	0.81	1.32	4.08	30.00	-25.92
High	5805	0.72	1.20	3.97	30.00	-26.03
144	5720	-1.61	-1.35	1.53	30.00	-28.47











9.15. 11n HT40 2TX MODE IN THE 5.8GHz BAND

9.15.1. 6 dB BANDWIDTH

LIMITS

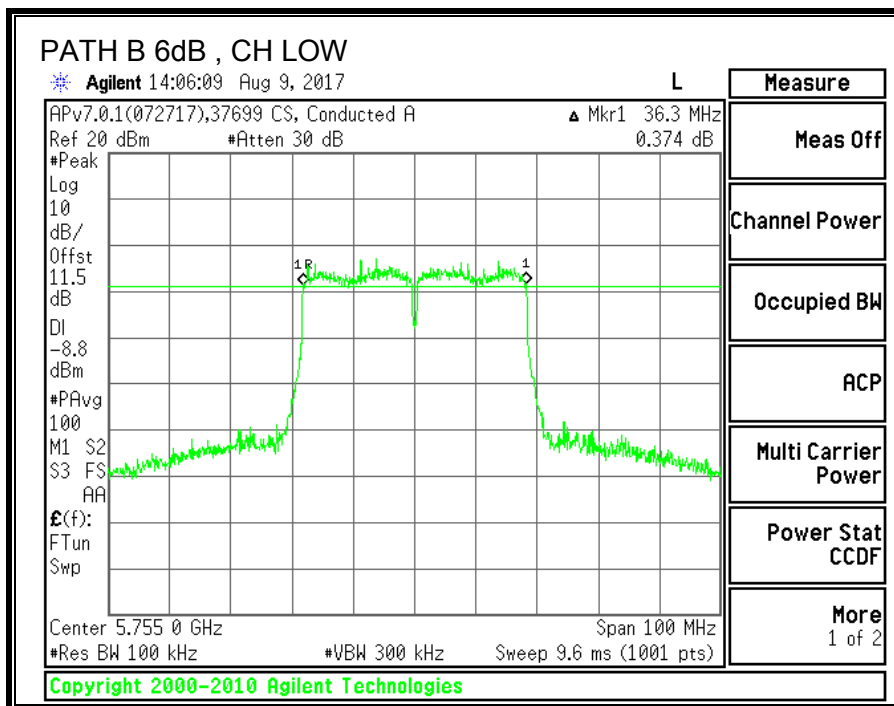
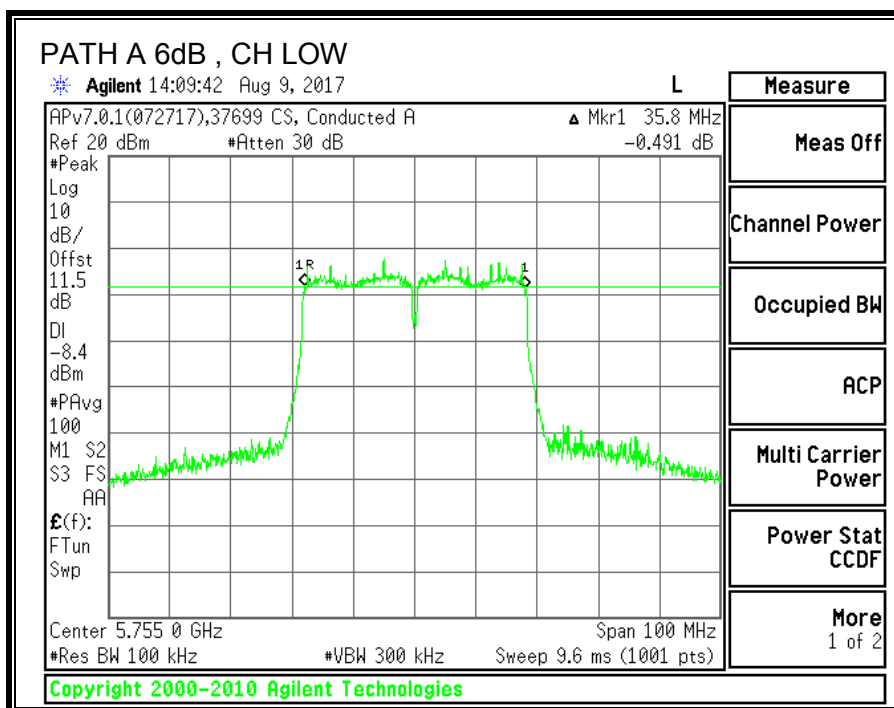
FCC §15.407 (e)

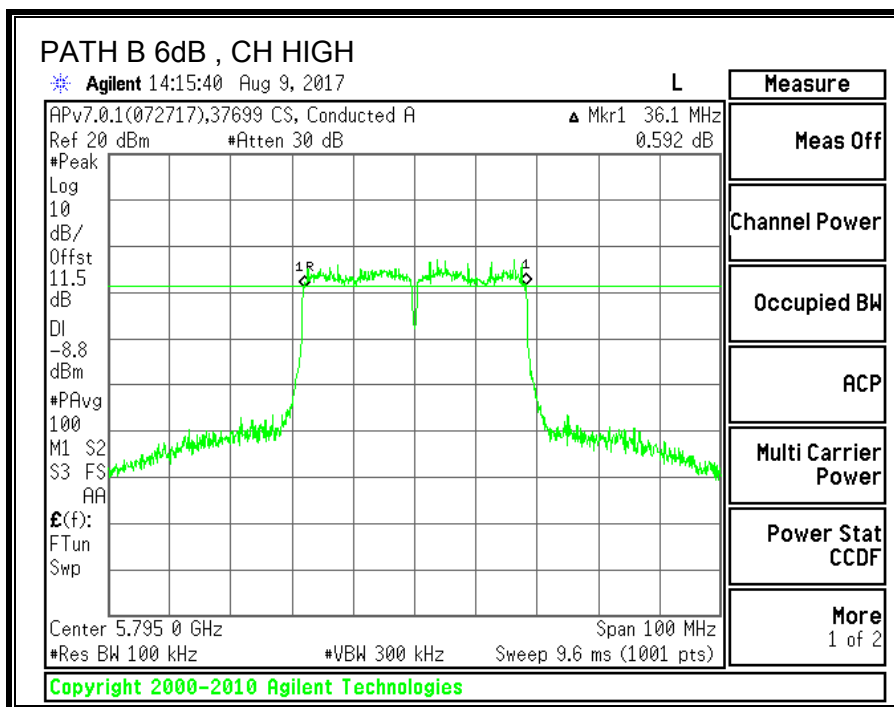
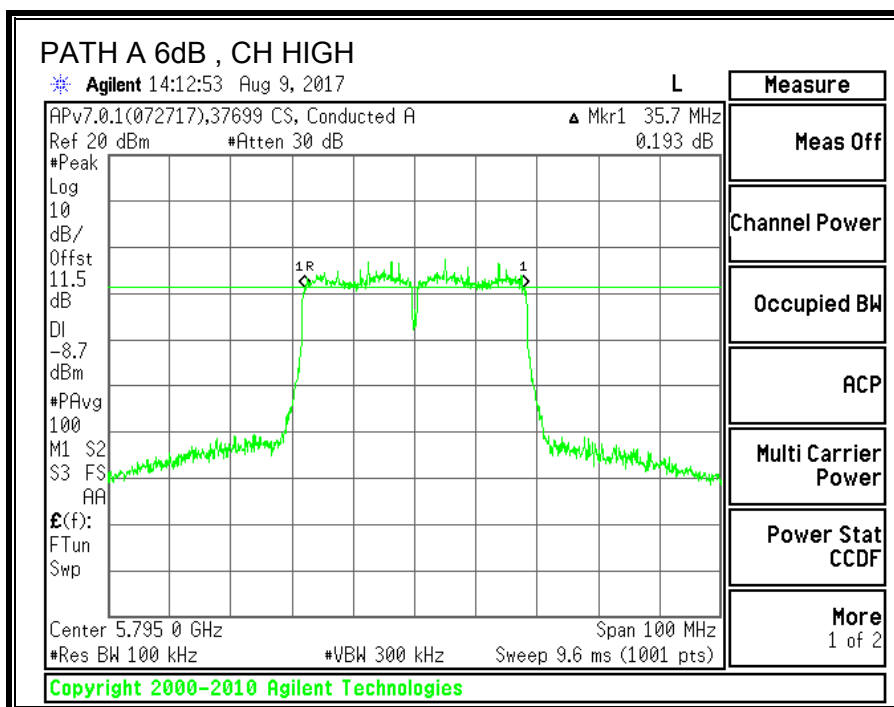
IC RSS-247 (6.2.4) (1)

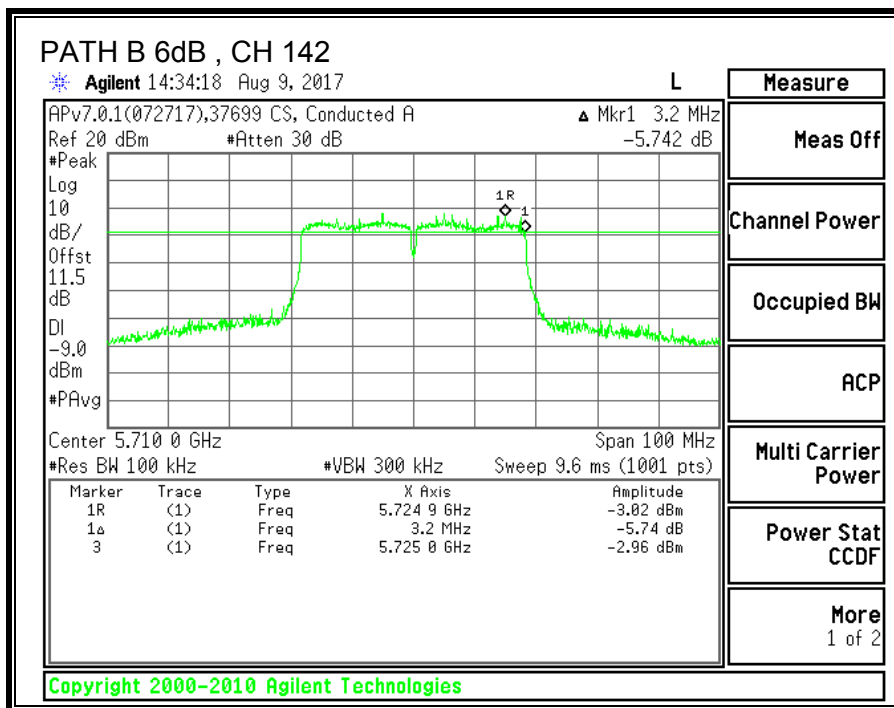
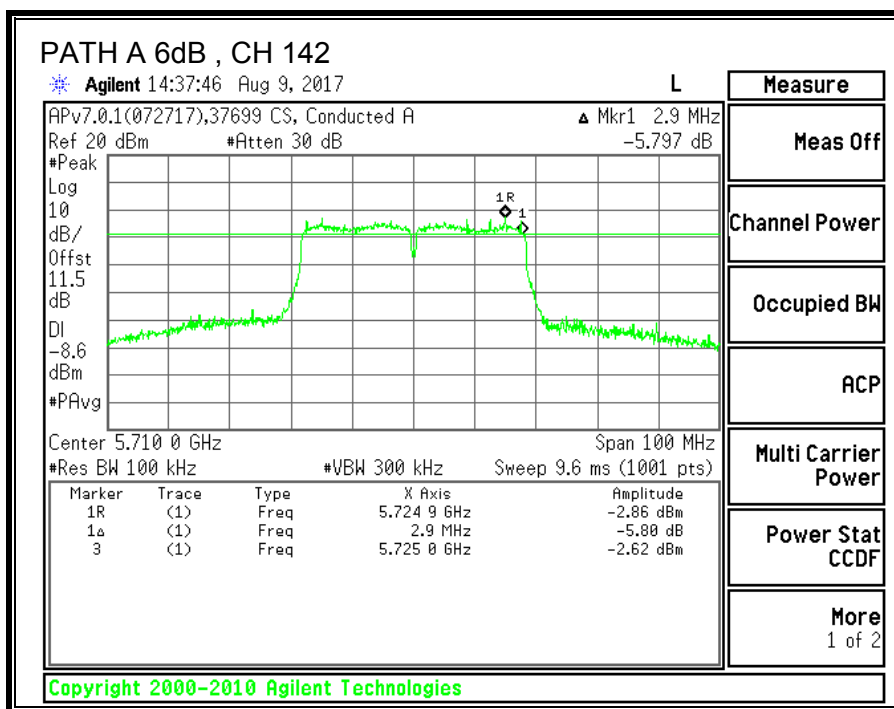
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW PATH A (MHz)	6 dB BW PATH B (MHz)	Minimum Limit (MHz)
Low	5755	35.8	36.3	0.5
High	5795	35.7	36.1	0.5
142	5710	2.9	3.2	0.5







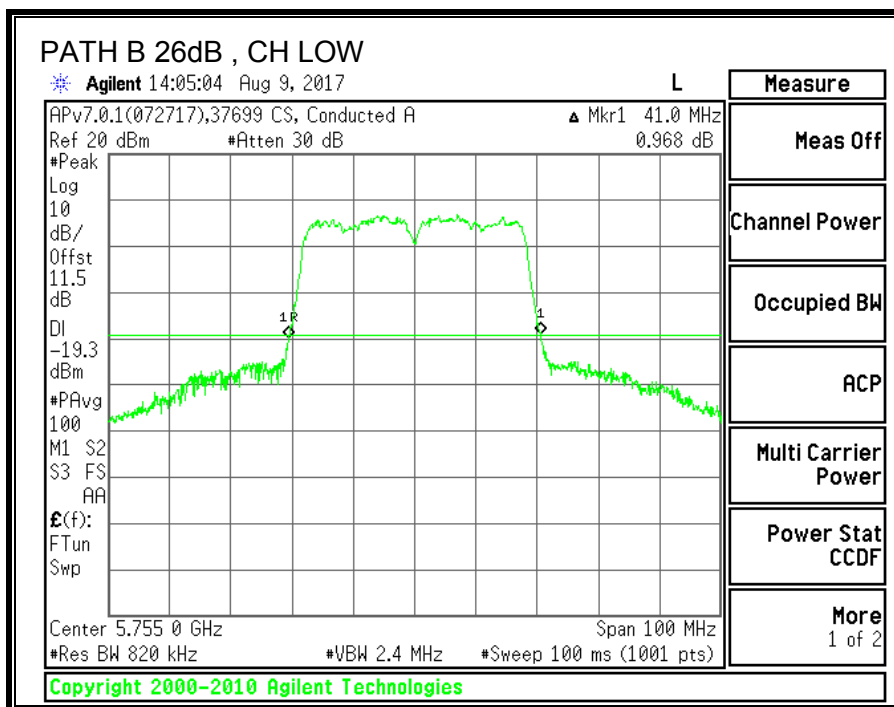
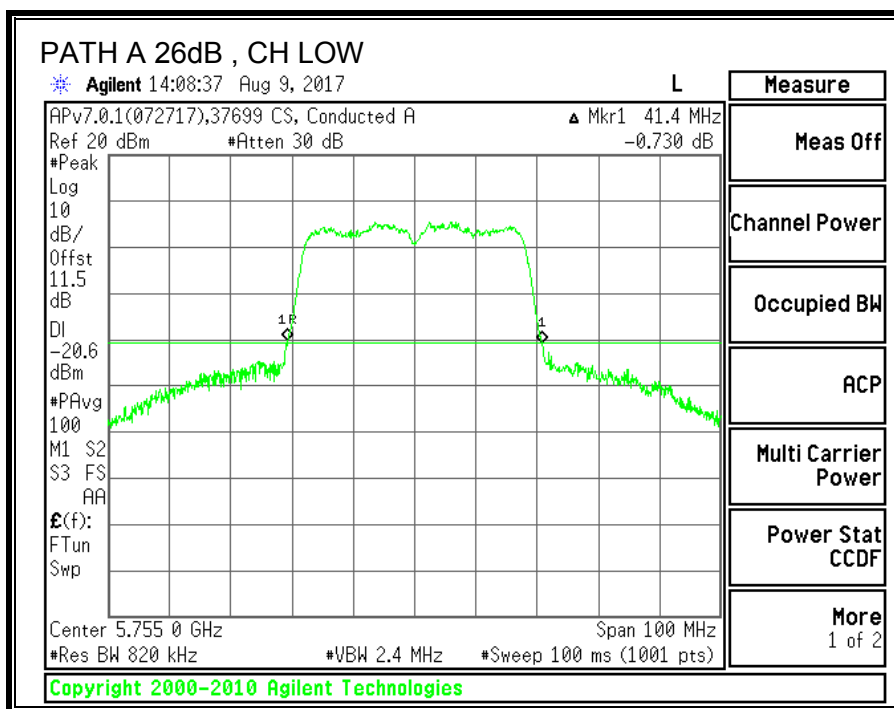
9.15.2. 26 dB BANDWIDTH

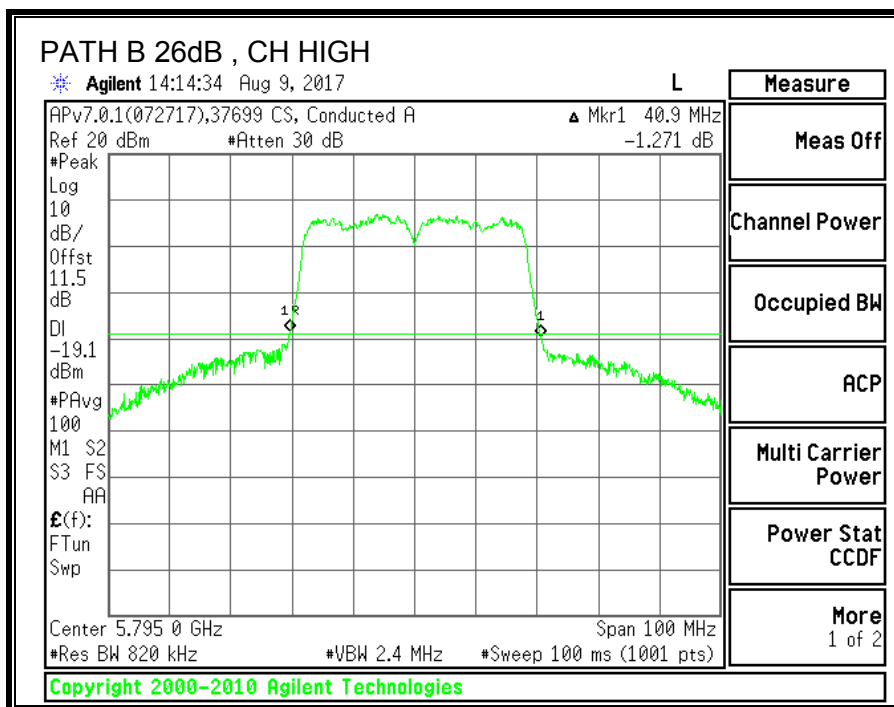
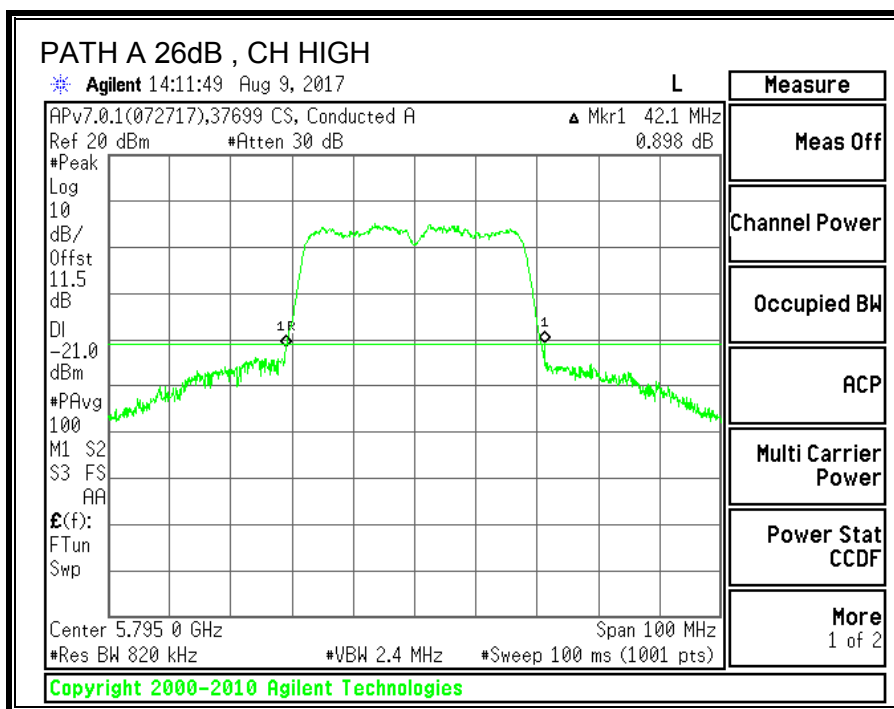
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW PATH A (MHz)	26 dB BW PATH B (MHz)
Low	5755	41.4	41
High	5795	42.1	40.9





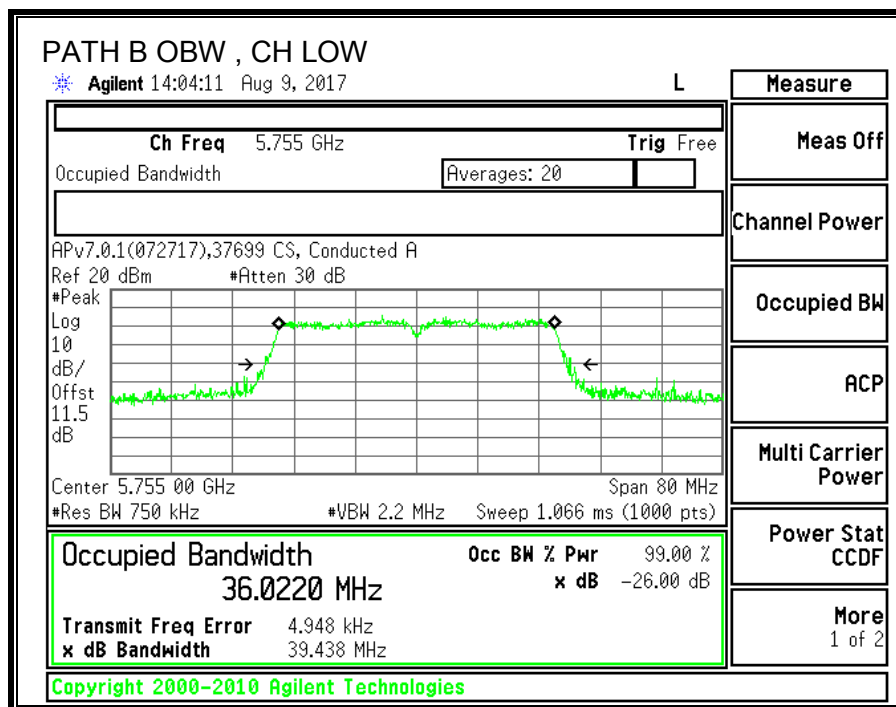
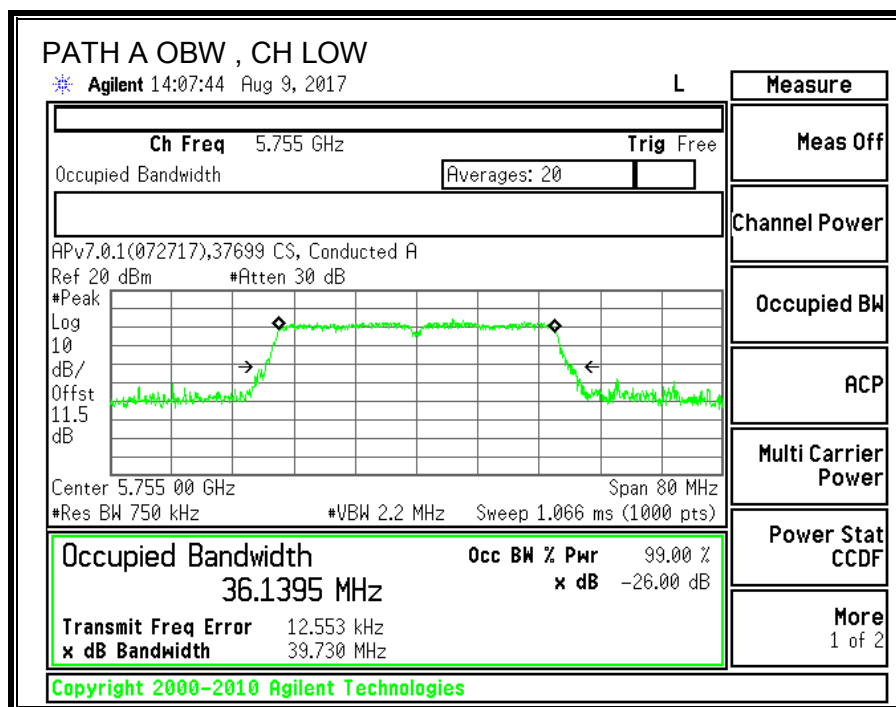
9.15.3. 99% BANDWIDTH

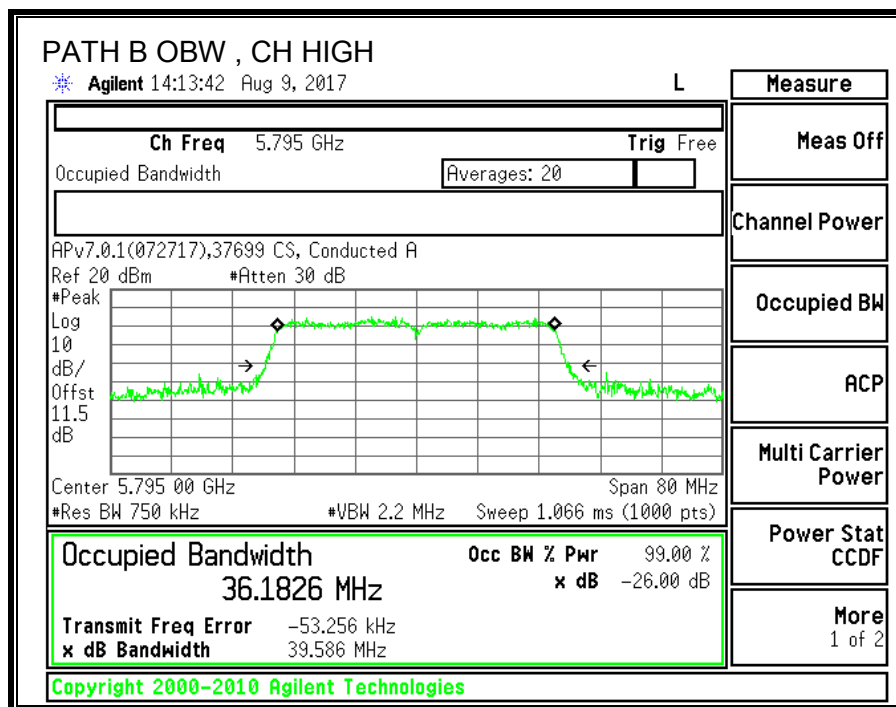
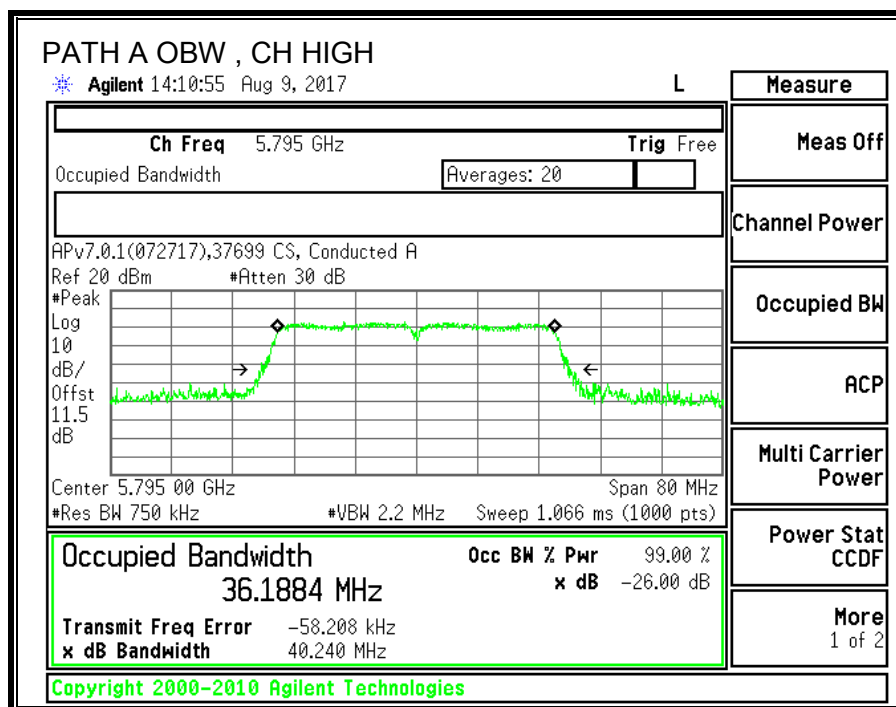
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW PATH A (MHz)	99% BW PATH B (MHz)
Low	5755	36.1395	36.0220
High	5795	36.1884	36.1826





9.15.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

IC RSS-247 (6.2.4) (1)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

Path A Antenna Gain (dBi)	Path B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
1.30	1.60	1.45	4.46

RESULTS

ID:	37699 CS	Date:	8/9/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSP (dBi)
Low	5755	41	36.02	1.45	4.46
High	5795	40.9	36.18	1.45	4.46
142	5710	40.7	36.08	1.45	4.46

Limits

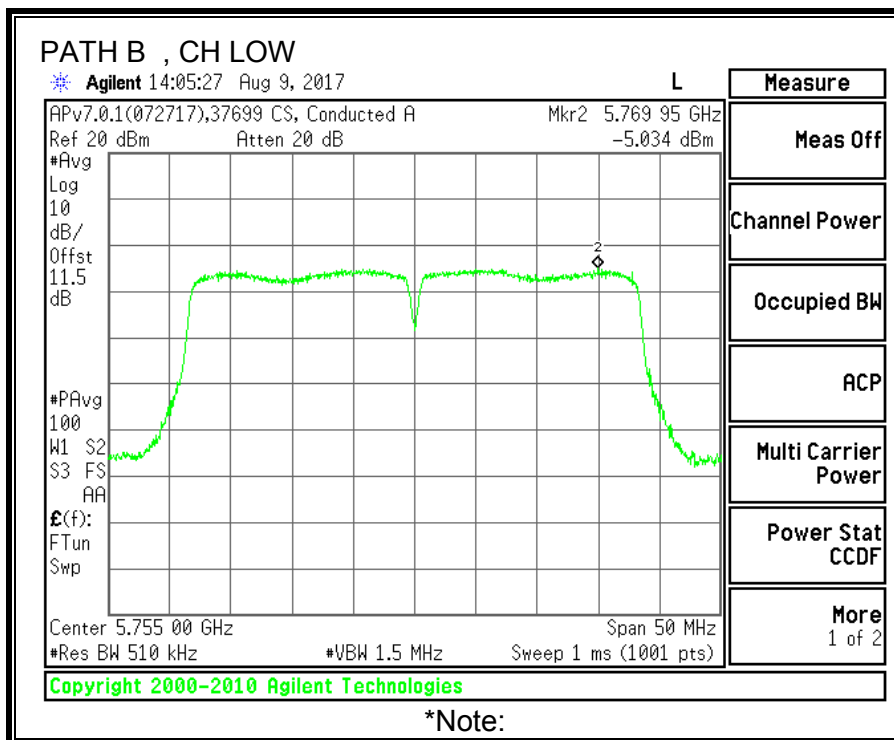
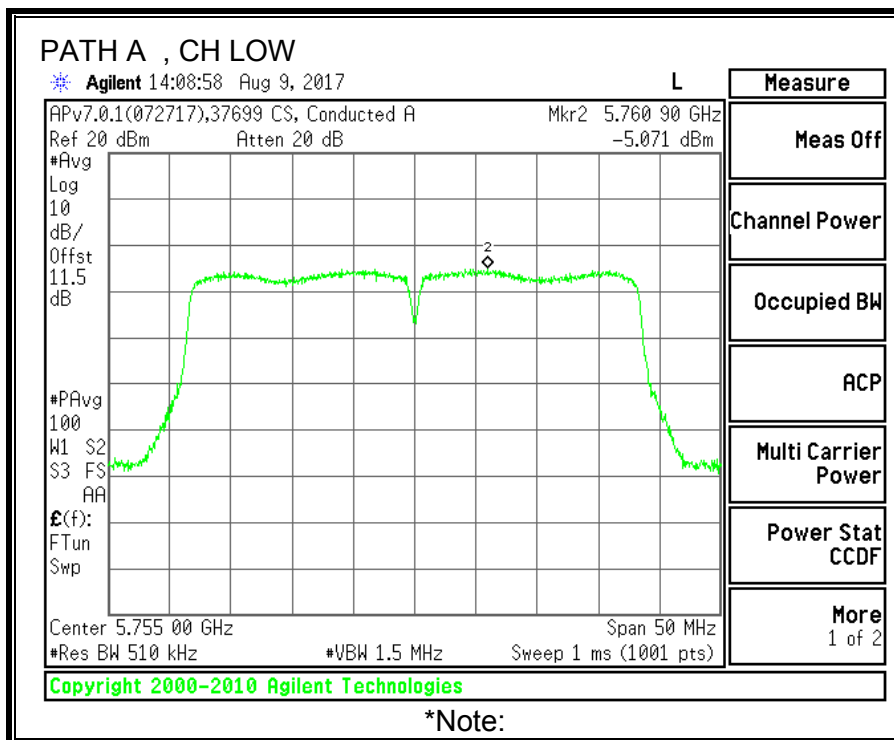
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSP Limit (dBm)	IC PPSP Limit (dBm)	PPSP Limit (dBm)
Low	5755	30.00	30.00	36.00	30.00	30.00	30.00	30.00
High	5795	30.00	30.00	36.00	30.00	30.00	30.00	30.00
142	5710	30.00	30.00	36.00	30.00	30.00	30.00	30.00

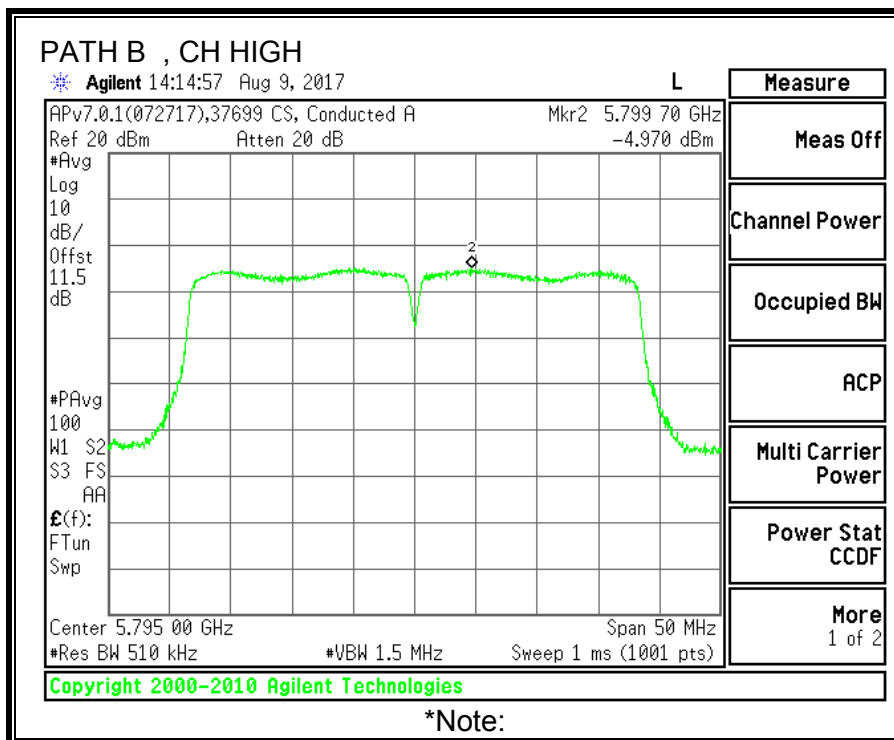
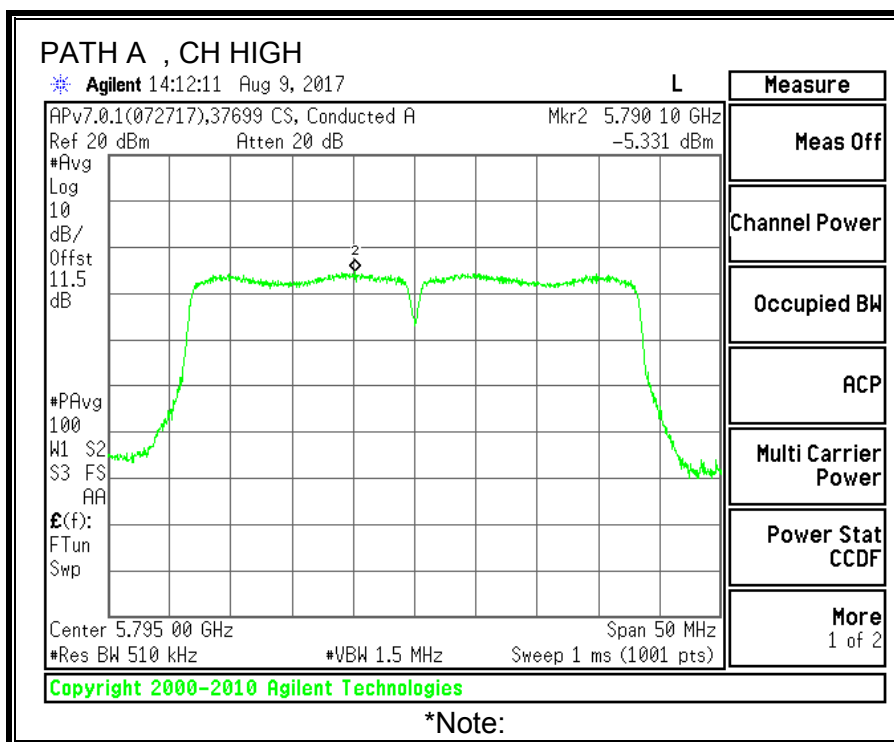
Output Power Results

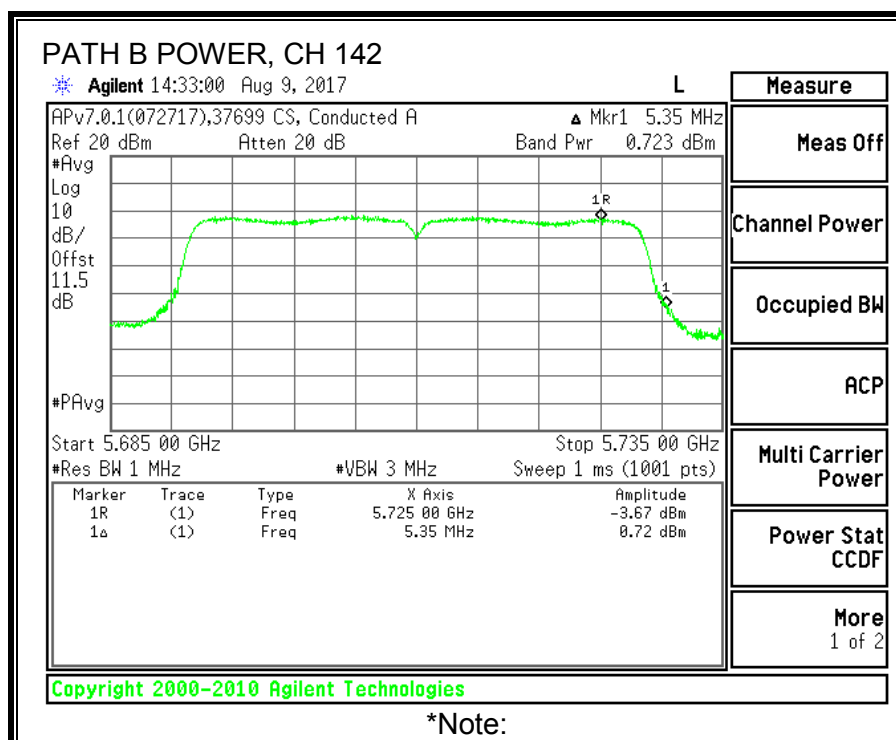
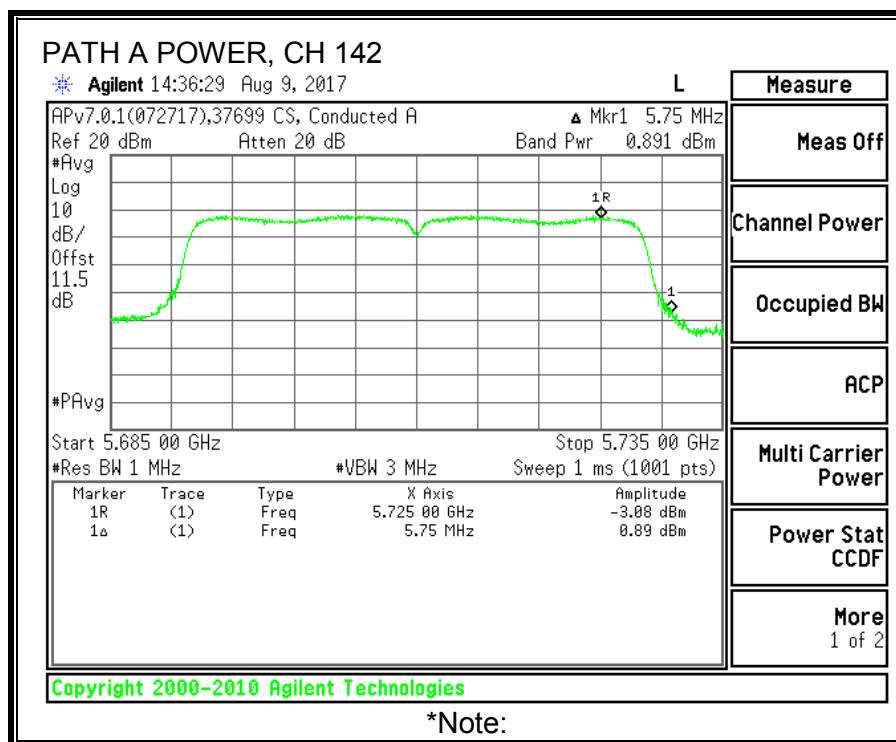
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	11.12	11.15	14.15	30.00	-15.85
High	5795	10.71	11.22	13.98	30.00	-16.02
142	5710	0.89	0.72	3.82	30.00	-26.18

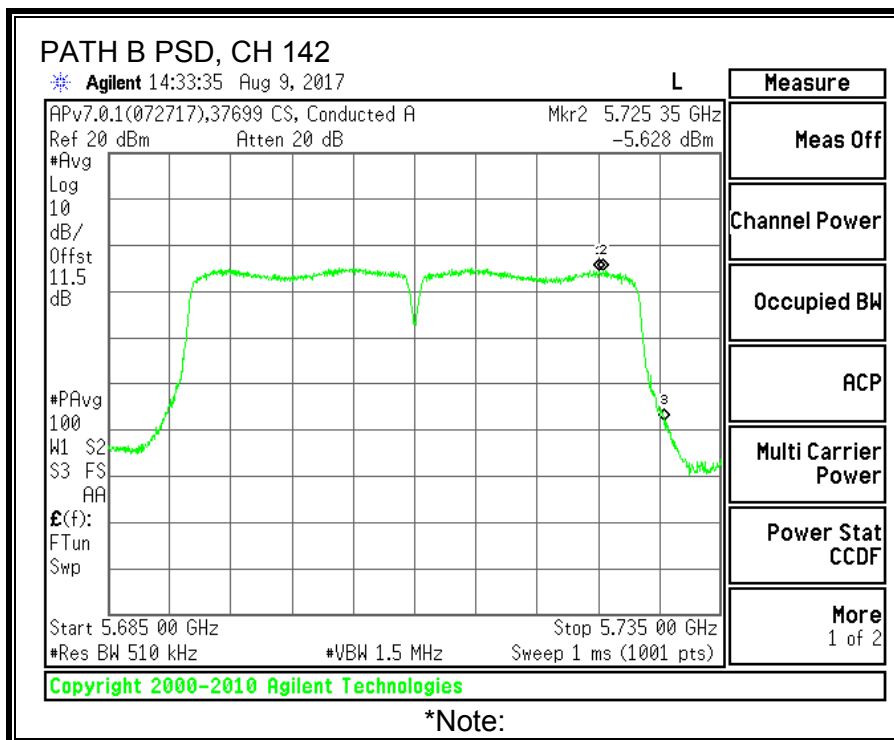
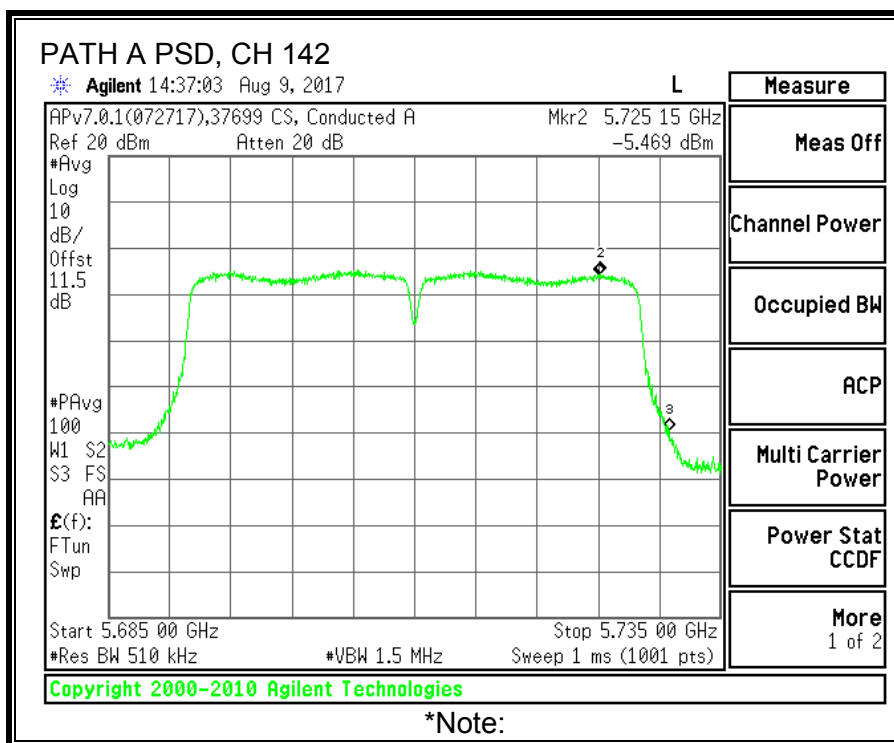
PPSP Results

Channel	Frequency (MHz)	Path A Meas PPSP (dBm)	Path B Meas PPSP (dBm)	Total Corr'd PPSP (dBm)	PPSP Limit (dBm)	PPSP Margin (dB)
Low	5755	-5.07	-5.03	-2.04	30.00	-32.04
High	5795	-5.33	-4.97	-2.14	30.00	-32.14
142	5710	-5.47	-5.63	-2.54	30.00	-32.54









9.16. 11ac HT80 2TX MODE IN THE 5.8GHz BAND

9.16.1. 6 dB BANDWIDTH

LIMITS

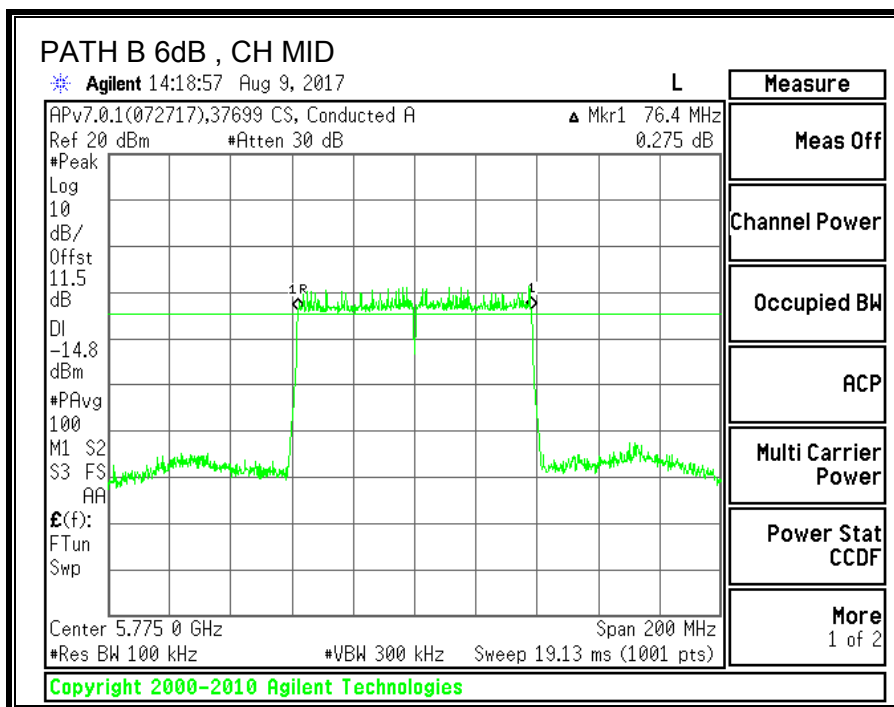
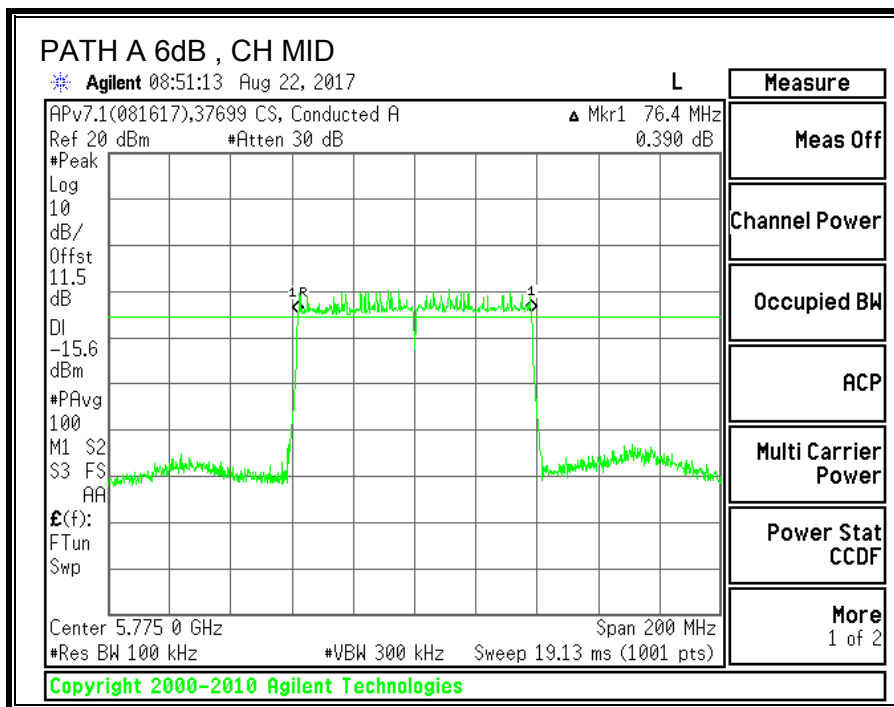
FCC §15.407 (e)

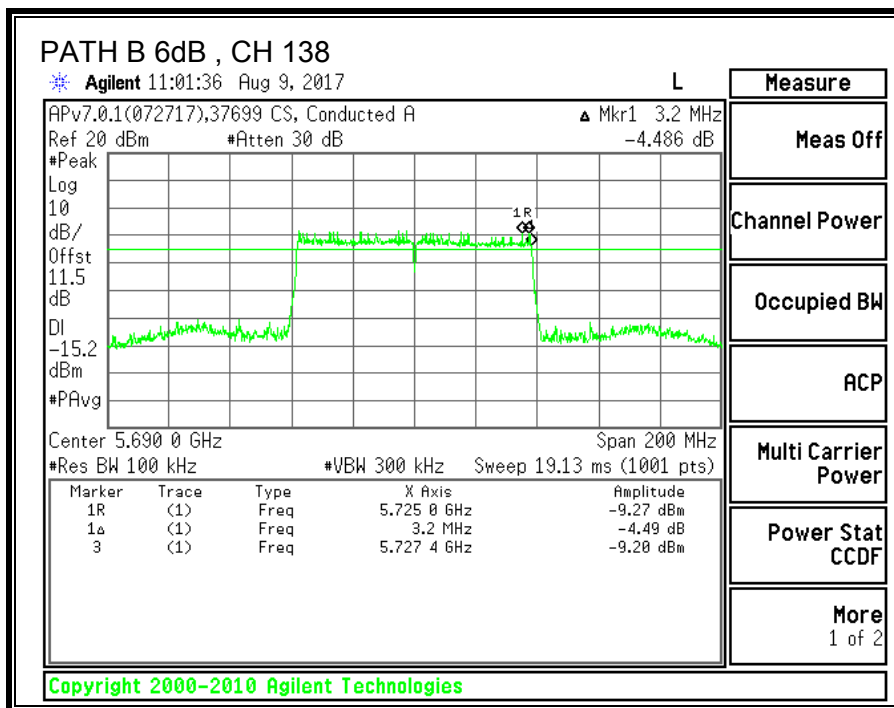
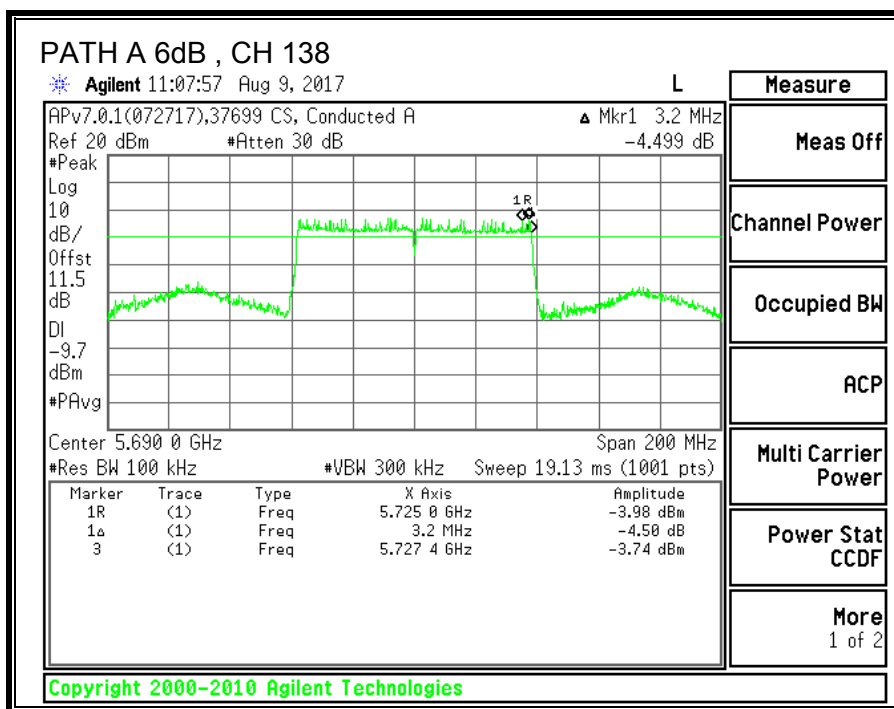
IC RSS-247 (6.2.4) (1)

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

RESULTS

Channel	Frequency	6 dB BW PATH A (MHz)	6 dB BW PATH B (MHz)	Minimum Limit (MHz)
155	5775	76.4	76.4	0.5
138	5690	3.2	3.2	0.5





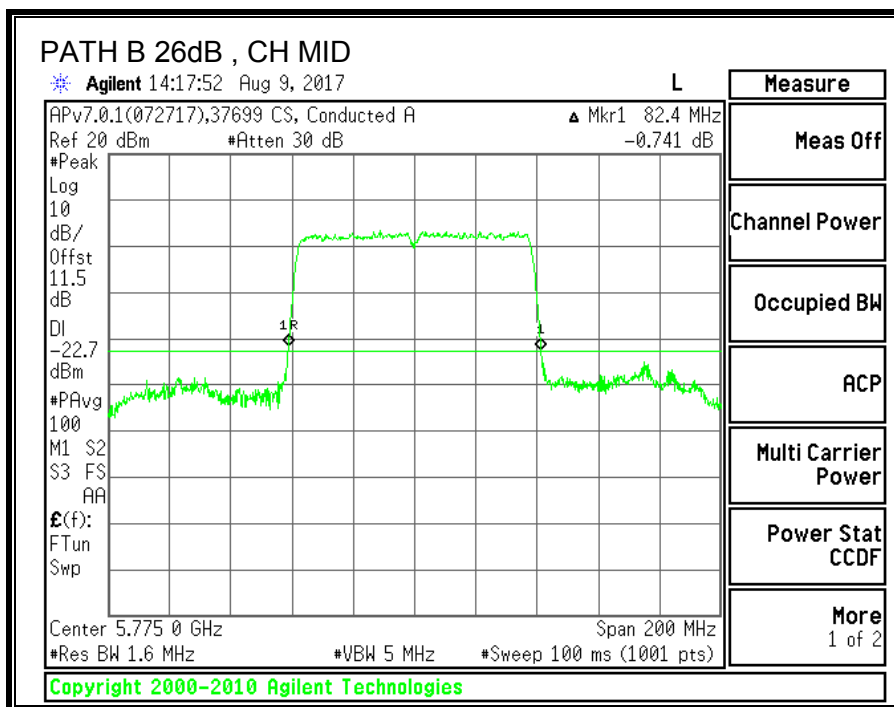
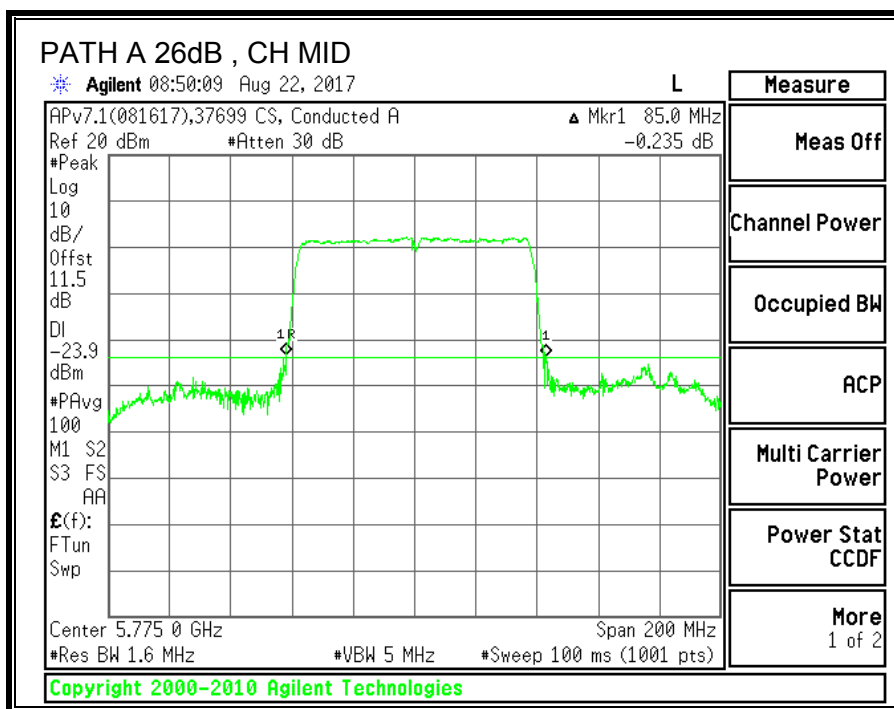
9.16.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW PATH A (MHz)	26 dB BW PATH B (MHz)
155	5775	85	82.4



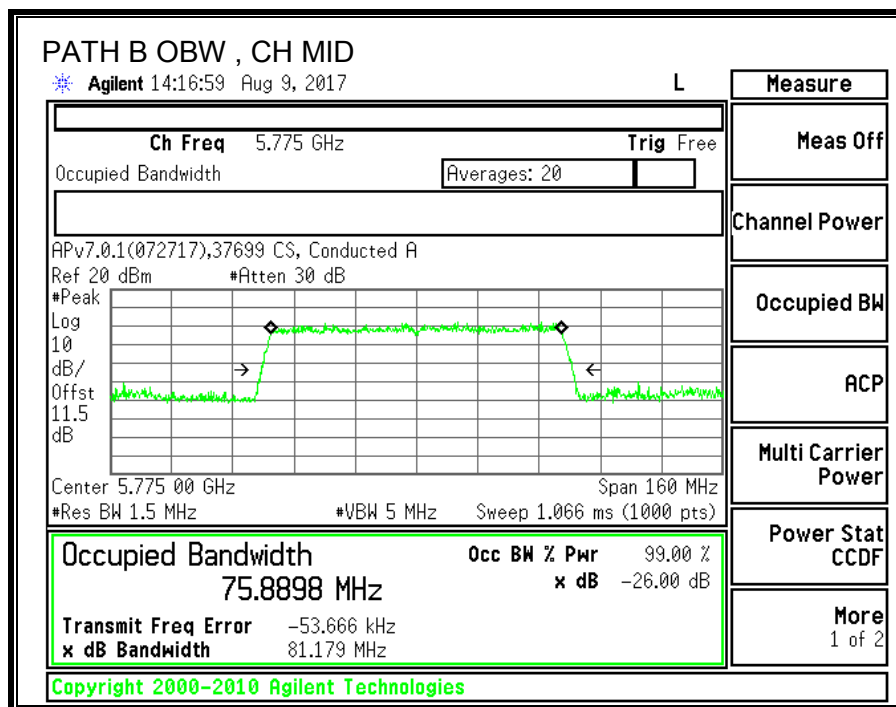
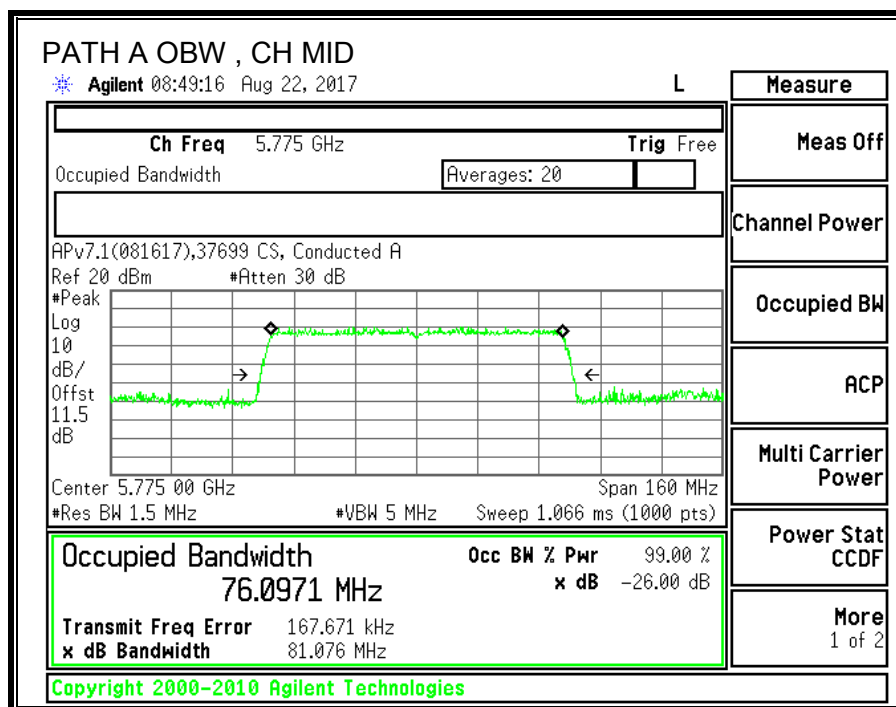
9.16.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW PATH A (MHz)	99% BW PATH B (MHz)
155	5775	76.0971	75.8898



9.16.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

IC RSS-247 (6.2.4) (1)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

Path A Antenna Gain (dBi)	Path B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
1.30	1.60	1.45	4.46

RESULTS

ID:	37699 CS	Date:	8/9/2017
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Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
155	5775	82.40	75.89	1.45	4.46
138	5690	82.40	75.90	1.45	4.46

Limits

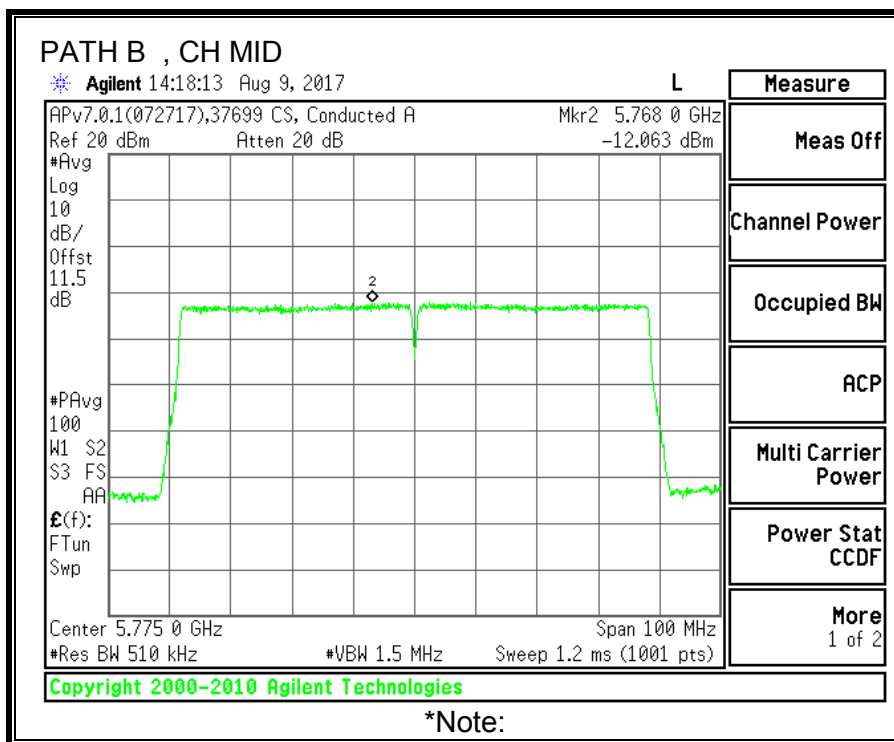
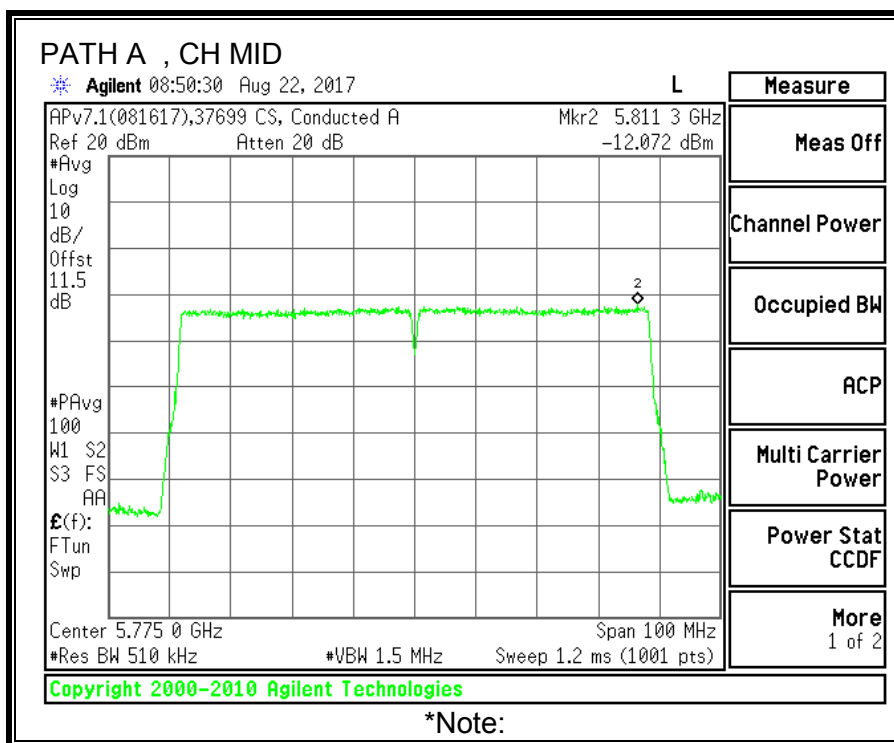
Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
155	5775	30.00	30.00	36.00	30.00	30.00	30.00	30.00
138	5690	30.00	30.00	36.00	30.00	30.00	30.00	30.00

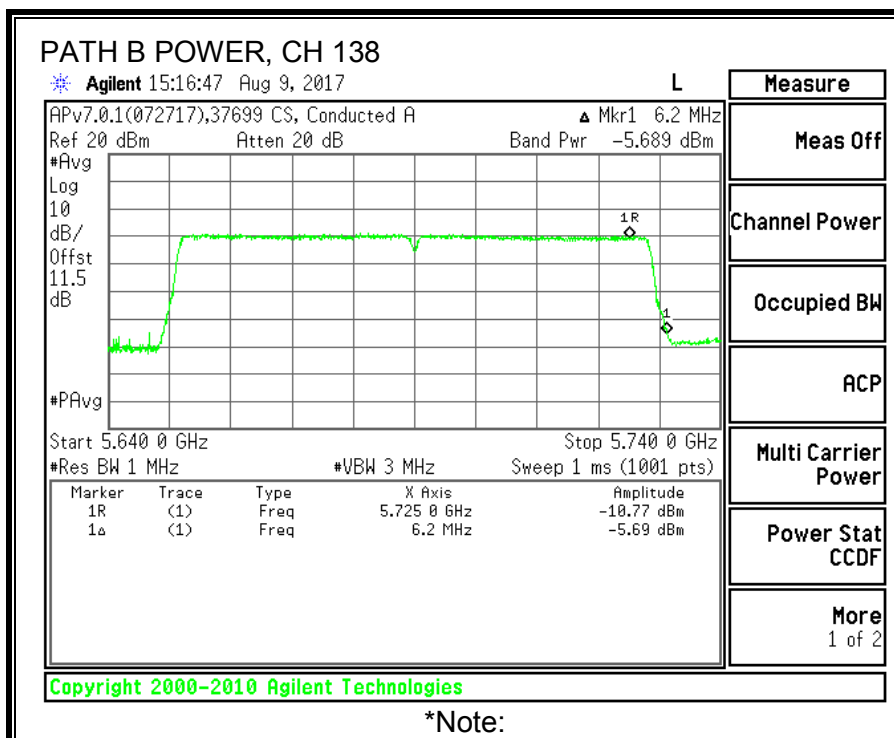
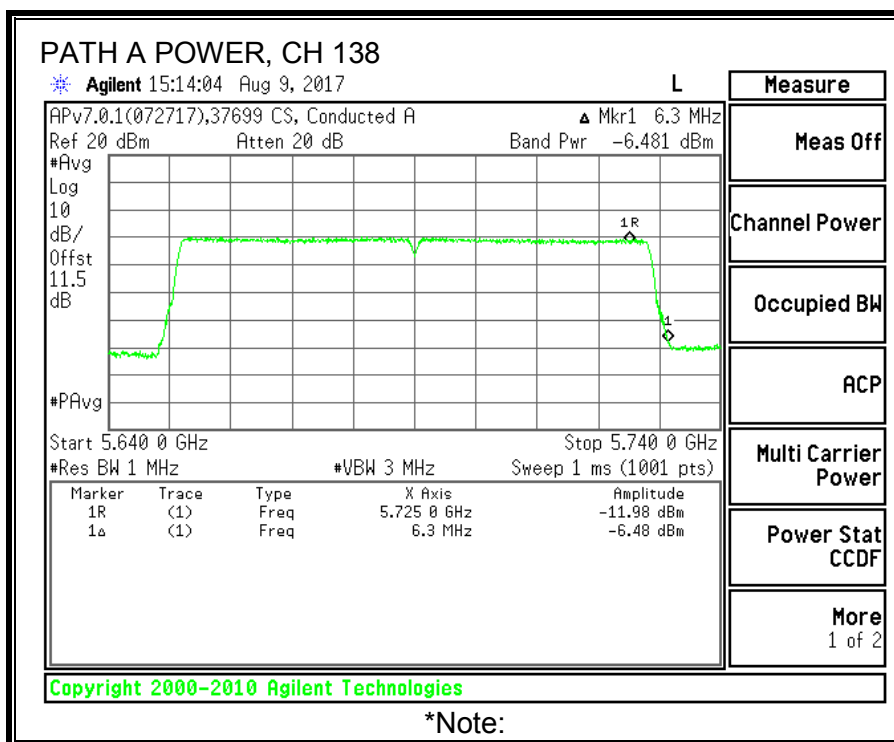
Output Power Results

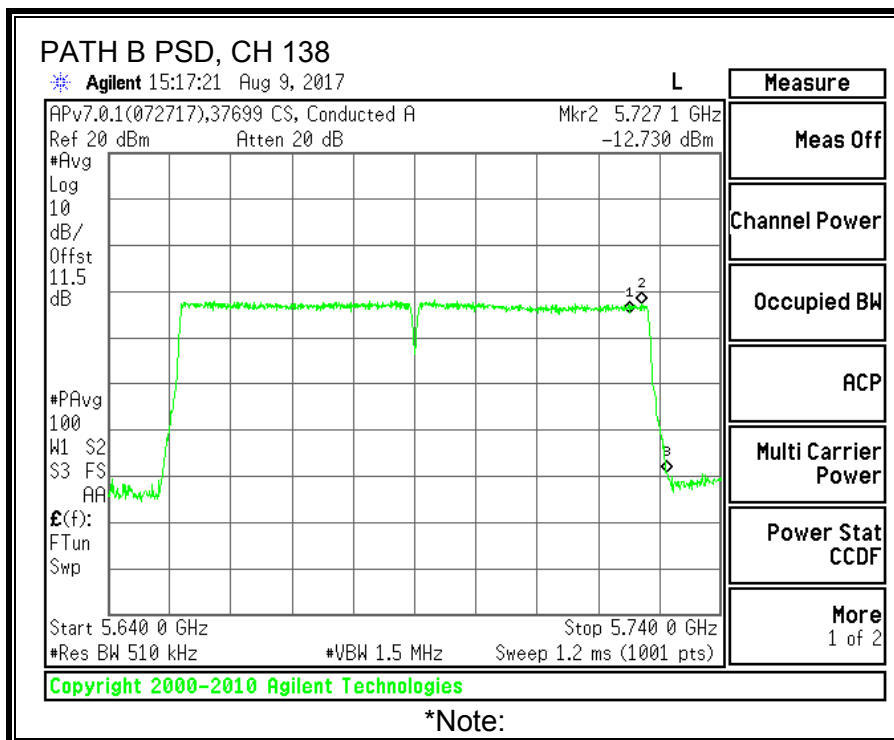
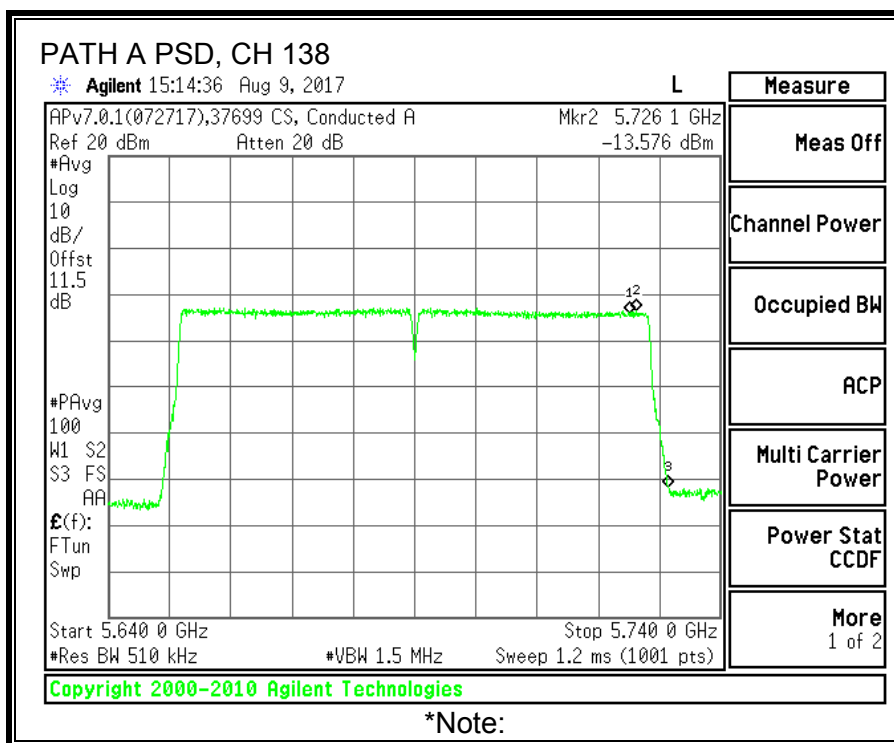
Channel	Frequency (MHz)	Path A Meas Power (dBm)	Path B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
155	5775	7.46	7.69	10.59	30.00	-19.41
138	5690	-6.48	-5.69	-3.06	30.00	-33.06

PPSD Results

Channel	Frequency (MHz)	Path A Meas PPSD (dBm)	Path B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
155	5775	-12.07	-12.06	-9.06	30.00	-39.06
138	5690	-13.58	-12.73	-10.12	30.00	-40.12







10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

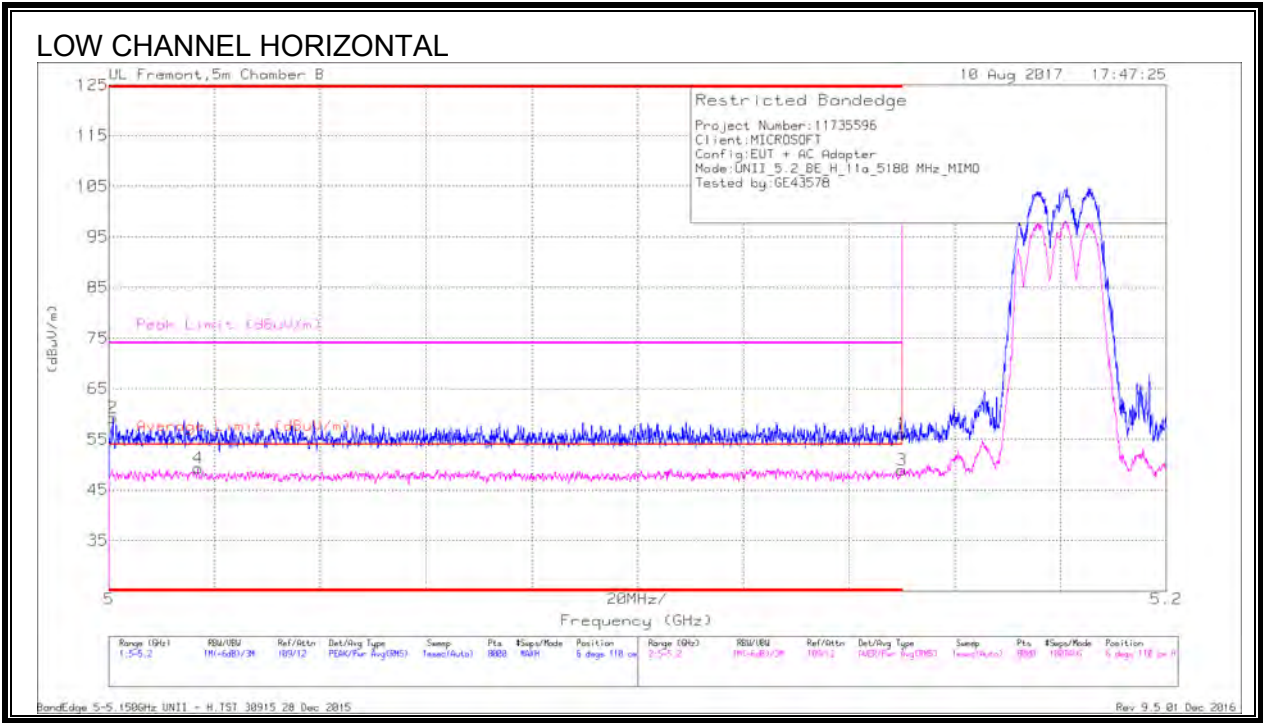
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

10.1.1. 11a 2TX MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



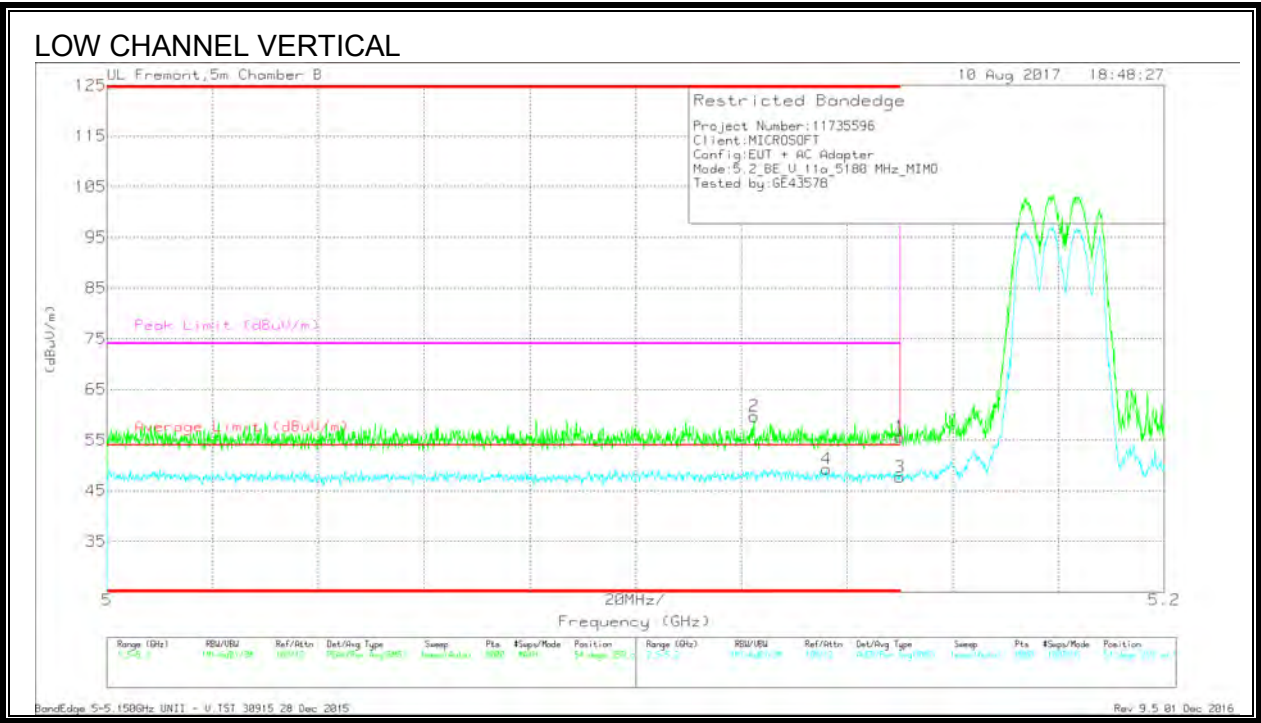
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cb/P1tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	39.5	Pk	34.4	-17.8	0	56.1	-	-	74	-17.9	6	110	H
2	* 5.001	41.96	Pk	34.4	-17.1	0	59.26	-	-	74	-14.74	6	110	H
3	* 5.15	32.37	RMS	34.4	-17.8	0	48.97	54	-5.03	-	-	6	110	H
4	* 5.017	32.23	RMS	34.4	-17.3	0	49.33	54	-4.67	-	-	6	110	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

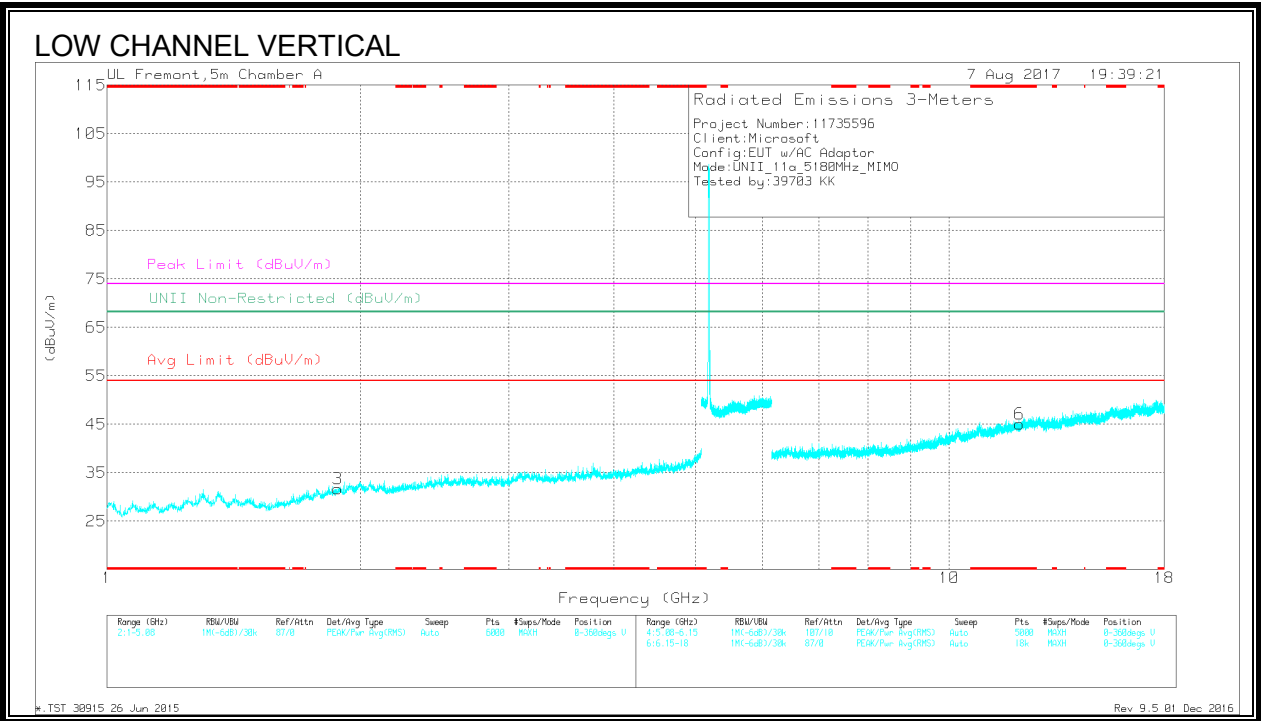
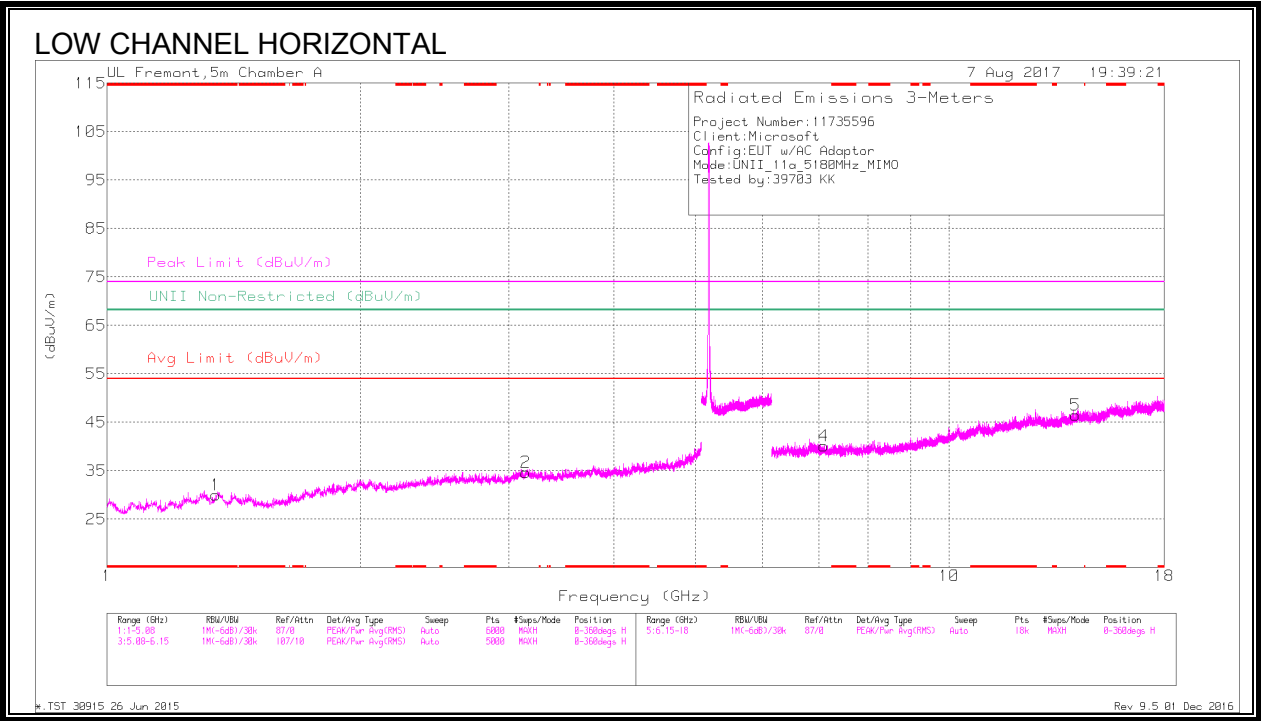
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT863 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.115	39.07	Pk	34.4	-17.8	0	55.67	-	-	74	-18.33	54	259	V
2	* 5.122	42.37	Pk	34.4	-17.1	0	59.67	-	-	74	-14.33	54	259	V
3	* 5.15	31.05	RMS	34.4	-17.8	0	47.65	54	-6.35	-	-	54	259	V
4	* 5.136	32.15	RMS	34.4	-17.3	0	49.25	54	-4.75	-	-	54	259	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



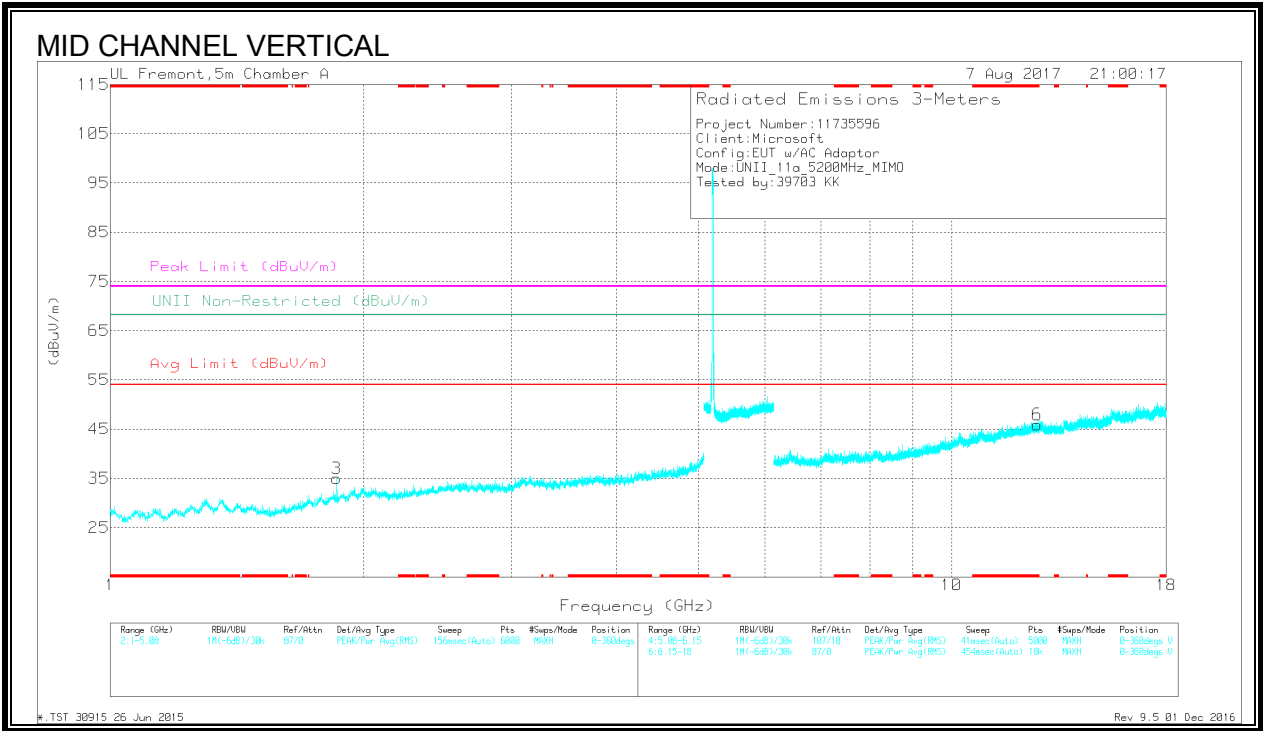
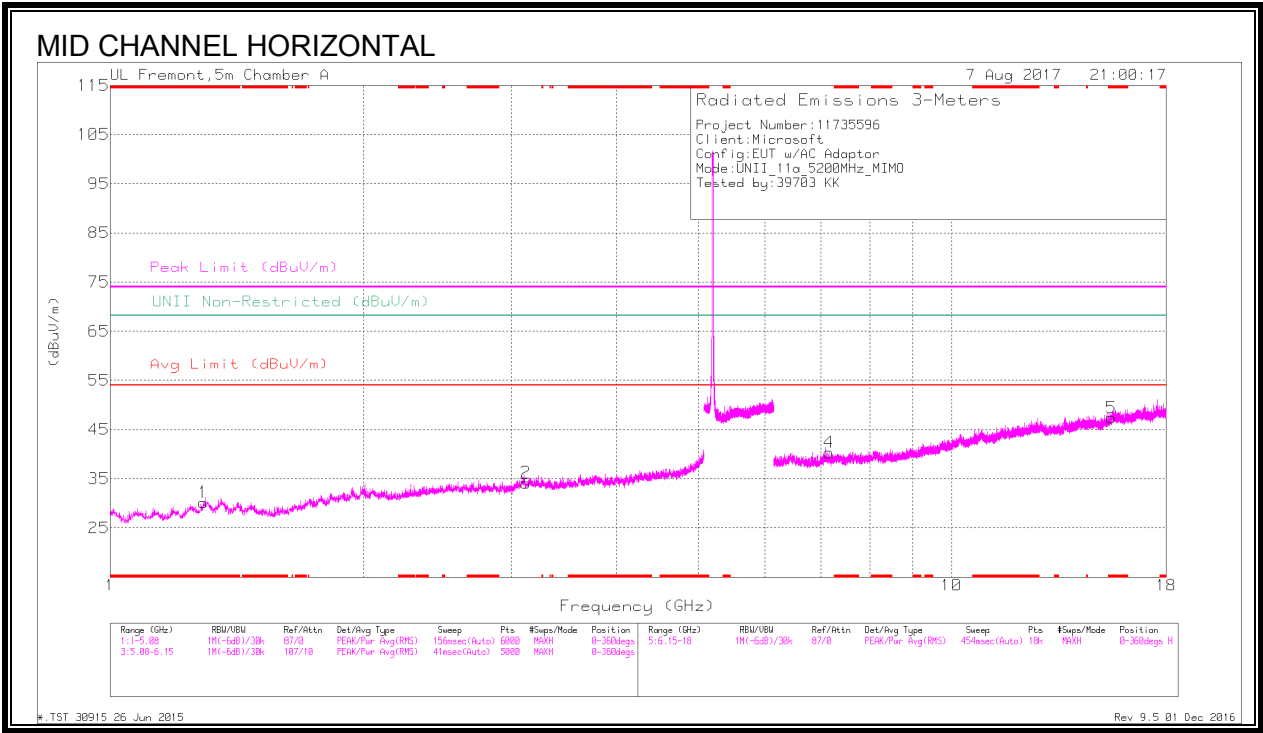
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Rtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.346	40.54	PK-U	29.5	-33	37.04	-	-	74	-36.96	-	-	142	102	H
	* 1.348	28.53	ADR	29.5	-32.9	25.13	54	-28.87	-	-	-	-	142	102	H
6	* 12.113	31.52	PK-U	39	-19.7	50.82	-	-	74	-23.18	-	-	137	241	V
	* 12.112	20.4	ADR	39	-19.7	39.7	54	-14.3	-	-	-	-	137	241	V
3	1.882	41.13	PK-U	31	-32.8	39.33	-	-	-	-	68.2	-28.87	343	201	V
2	3.145	38.37	PK-U	32.8	-29.7	41.47	-	-	-	-	68.2	-26.73	343	270	H
4	7.105	34.2	PK-U	35.7	-23.2	46.7	-	-	-	-	68.2	-21.5	242	102	H
5	14.119	32.83	PK-U	39.5	-19.5	52.83	-	-	-	-	68.2	-15.37	242	102	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



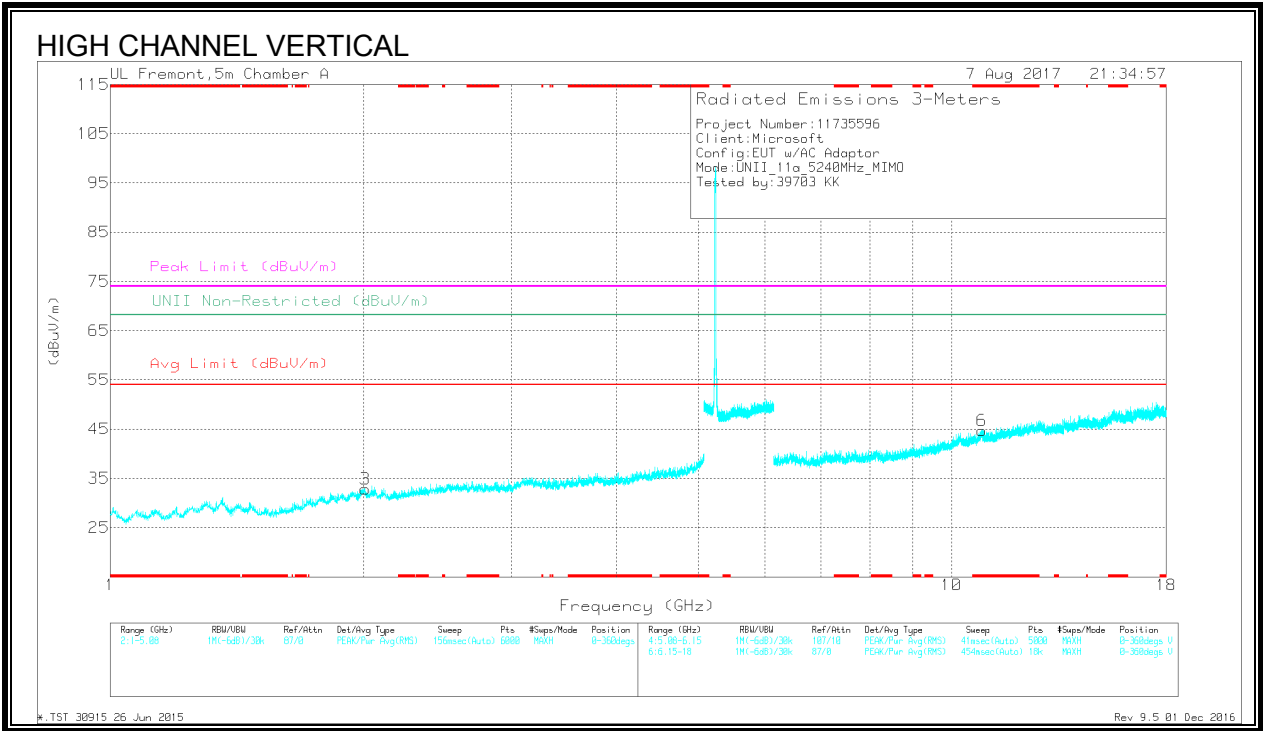
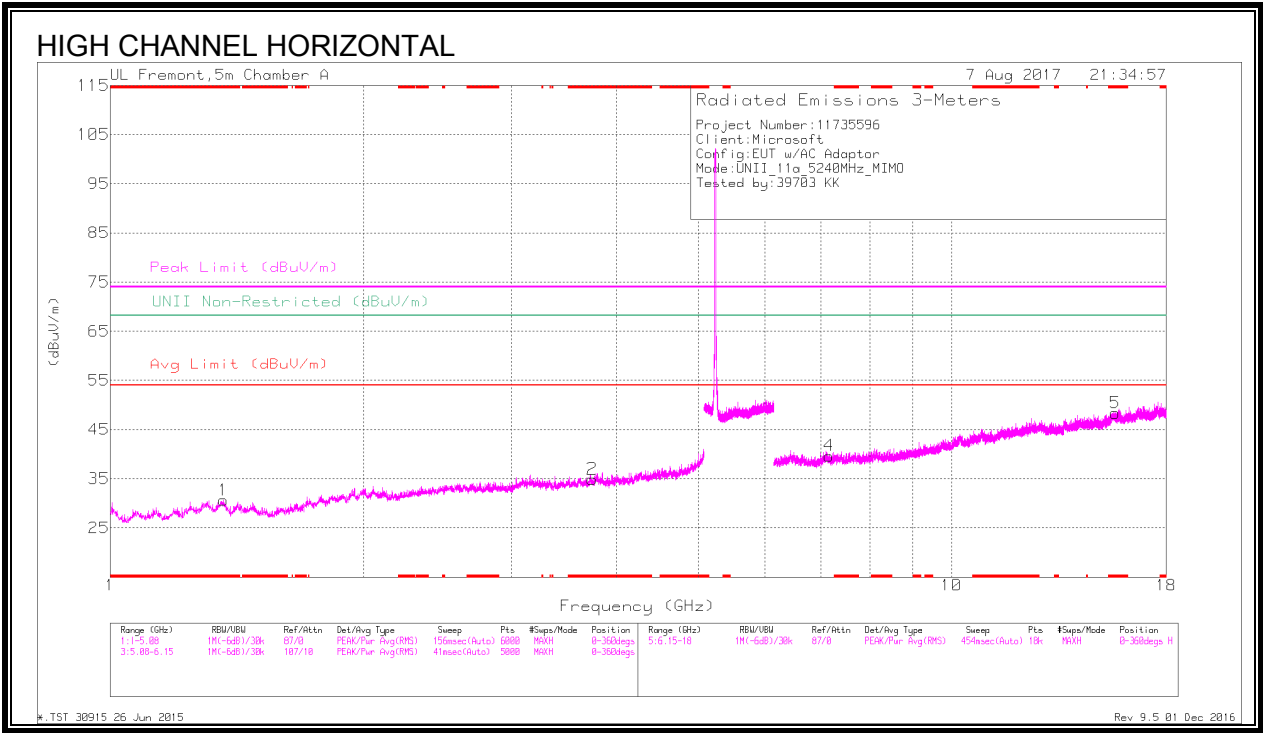
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Flt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29	40.79	PK-U	29.4	-33.3	36.89	-	-	74	-37.11	-	-	170	101	H
	* 1.291	28.78	ADR	29.4	-33.3	24.88	54	-29.12	-	-	-	-	170	101	H
5	* 15.495	32.22	PK-U	39.9	-18	54.12	-	-	74	-19.88	-	-	285	199	H
	* 15.495	20.66	ADR	39.9	-18	42.56	-	-11.44	-	-	-	-	285	199	H
6	* 12.644	32.33	PK-U	39.2	-19	52.53	-	-	74	-21.47	-	-	78	199	V
	* 12.642	20.25	ADR	39.2	-19.1	40.35	54	-13.65	-	-	-	-	78	199	V
3	1.859	39.64	PK-U	30.9	-32.8	37.74	-	-	-	-	68.2	-30.46	87	200	V
2	3.123	38.38	PK-U	32.9	-29.8	41.48	-	-	-	-	68.2	-26.72	256	140	H
4	7.151	34.28	PK-U	35.7	-23.6	46.38	-	-	-	-	68.2	-21.82	336	102	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Rtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.362	40.6	PK-U	29.3	-32.8	37.1	-	-	74	-36.9	-	-	151	199	H
	* 1.362	28.89	ADR	29.3	-32.8	25.39	54	-28.61	-	-	-	-	151	199	H
2	* 3.74	37.86	PK-U	33.1	-29.6	41.36	-	-	74	-32.64	-	-	151	103	H
	* 3.741	26.69	ADR	33.1	-29.6	30.19	54	-23.81	-	-	-	-	151	103	H
5	* 15.654	32.59	PK-U	40.1	-18.3	54.39	-	-	74	-19.61	-	-	88	202	H
	* 15.653	21.05	ADR	40.1	-18.3	42.85	54	-11.15	-	-	-	-	88	202	H
6	* 10.863	31.87	PK-U	37.9	-18.9	50.87	-	-	74	-23.13	-	-	288	202	V
	* 10.865	20.33	ADR	37.9	-18.9	39.33	54	-14.67	-	-	-	-	288	202	V
3	2.008	39.45	PK-U	31.4	-31.7	39.15	-	-	-	-	68.2	-29.05	319	200	V
4	7.152	33.45	PK-U	35.7	-23.6	45.55	-	-	-	-	68.2	-22.65	205	102	H

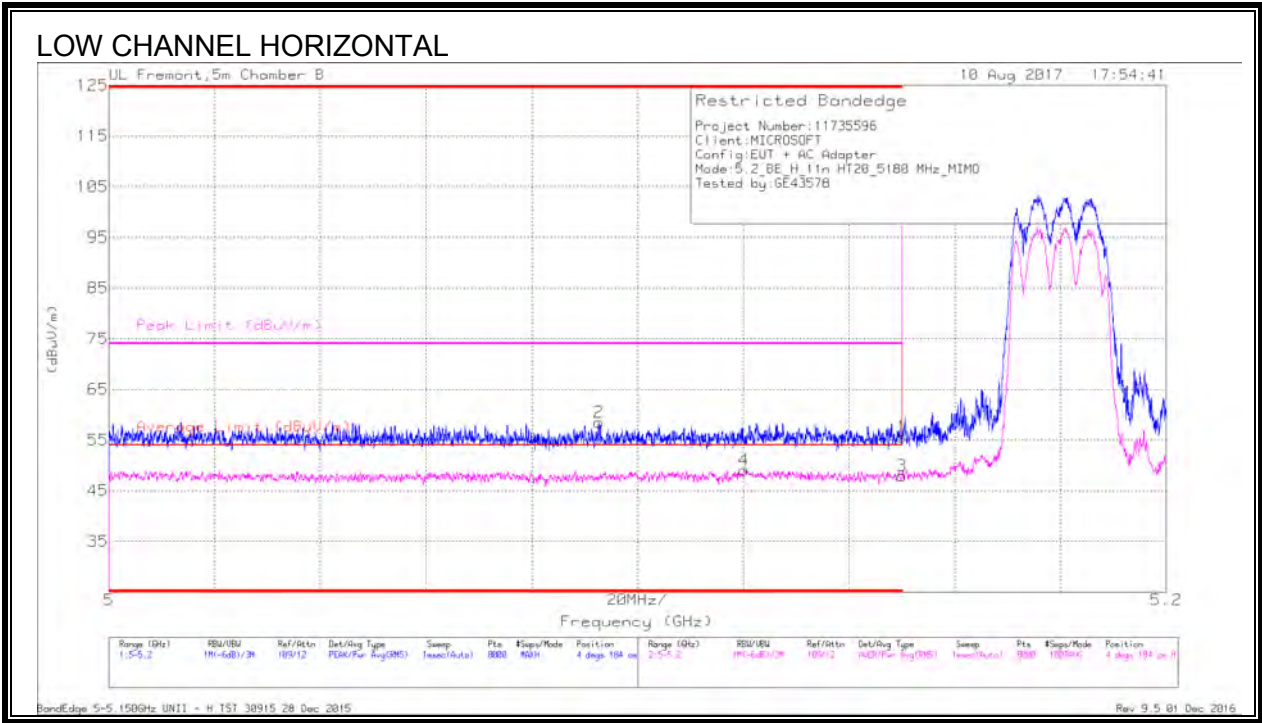
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.2. 11n HT20 2TX MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



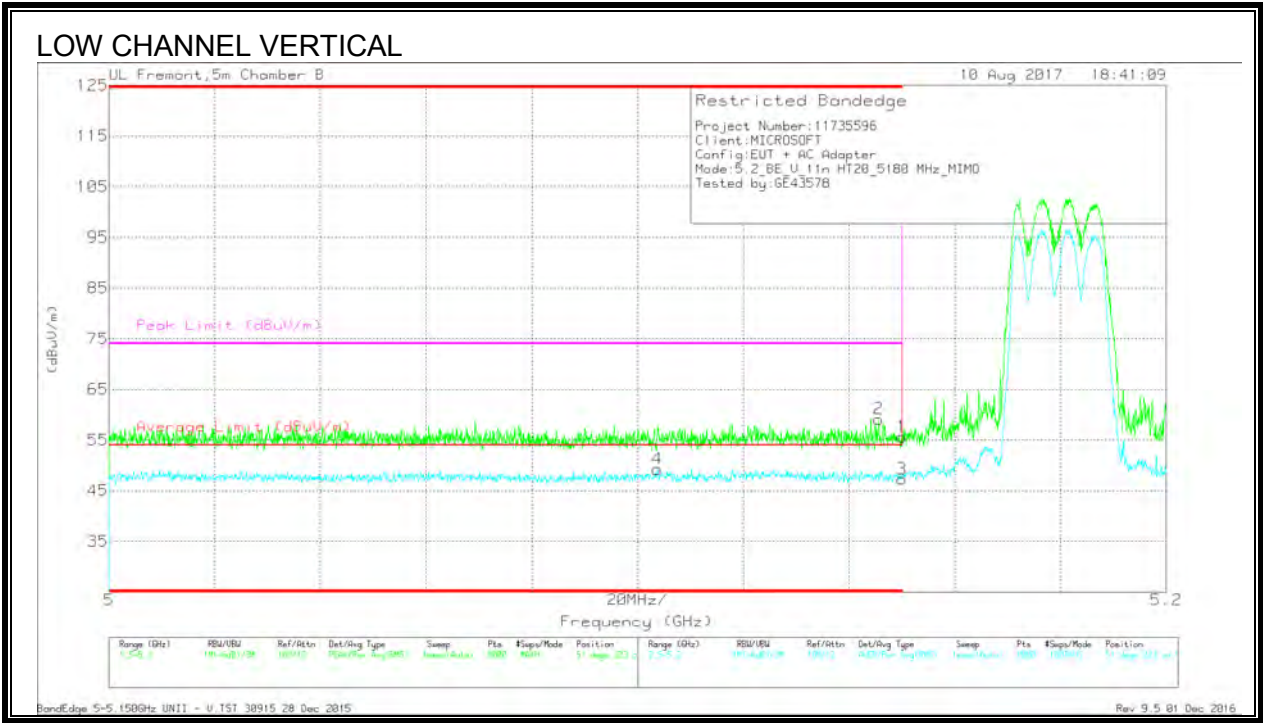
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	39.01	Pk	34.4	-17.8	0	55.61	-	-	74	-18.39	4	184	H
2	* 5.093	41.74	Pk	34.3	-17.5	0	58.54	-	-	74	-15.46	4	184	H
3	* 5.15	31.36	RMS	34.4	-17.8	0	47.96	54	-6.04	-	-	4	184	H
4	* 5.12	31.82	RMS	34.4	-17.2	0	49.02	54	-4.98	-	-	4	184	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

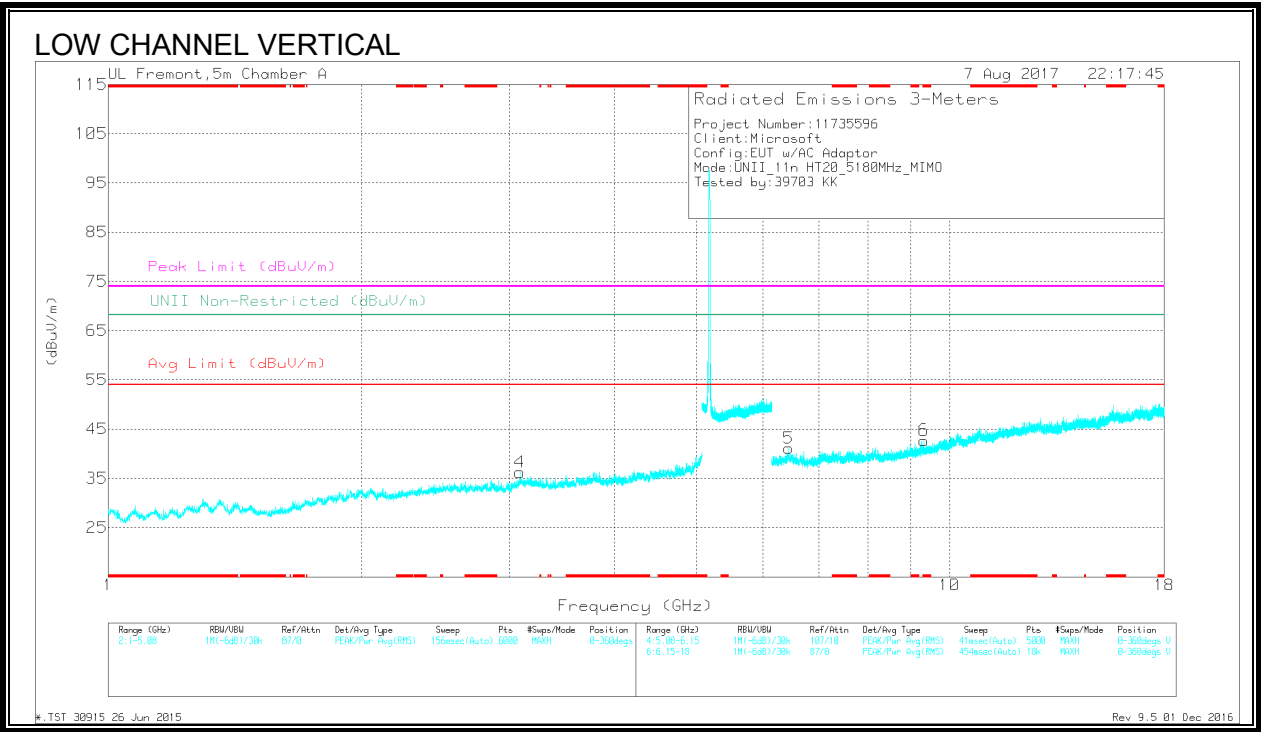
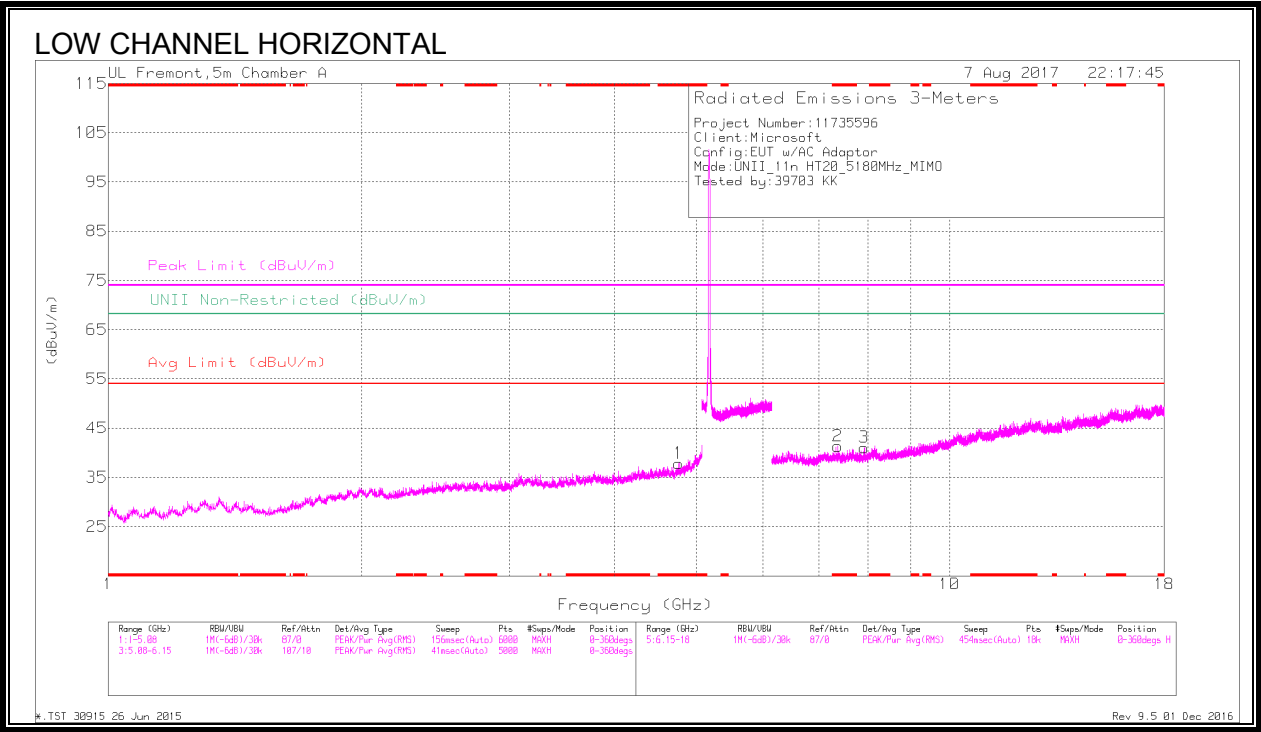
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.115	39.06	Pk	34.4	-17.8	0	55.66	-	-	74	-18.34	51	223	V
2	* 5.146	42.47	Pk	34.4	-17.7	0	59.17	-	-	74	-14.83	51	223	V
3	* 5.115	30.74	RMS	34.4	-17.8	0	47.34	54	-6.66	-	-	51	223	V
4	* 5.104	32.14	RMS	34.3	-17.2	0	49.24	54	-4.76	-	-	51	223	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



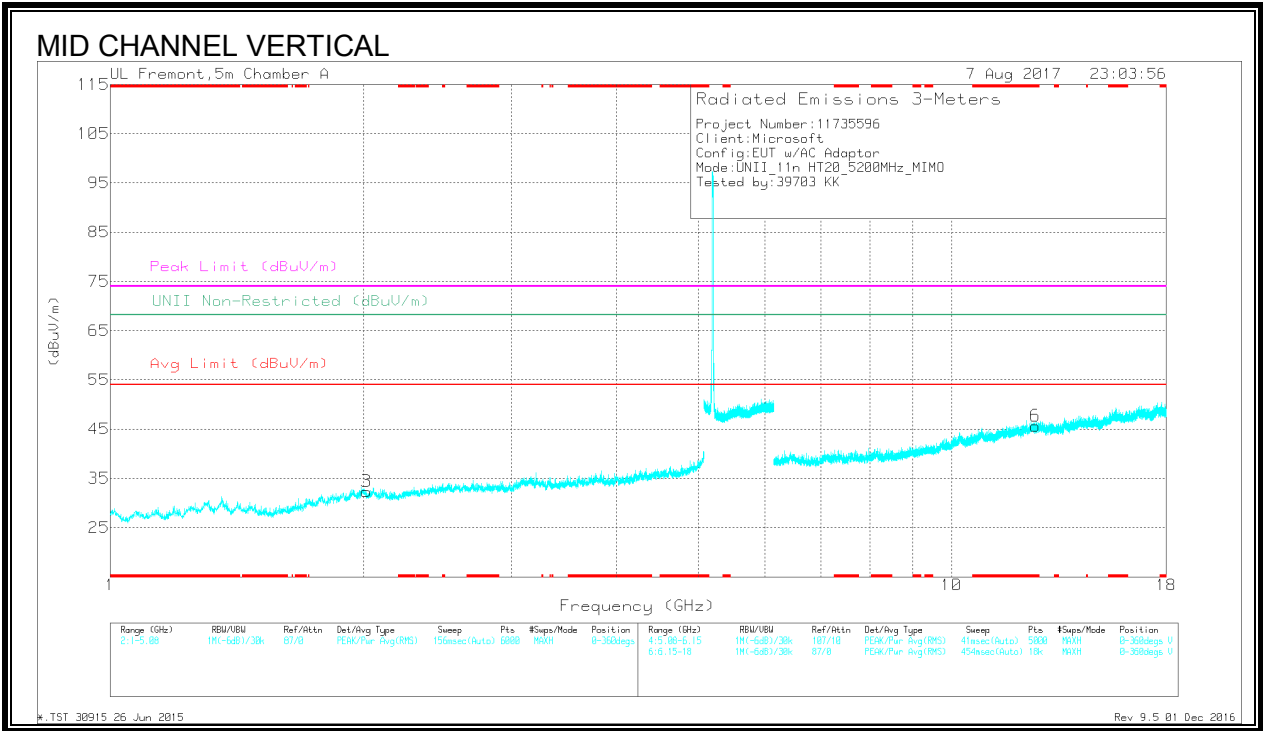
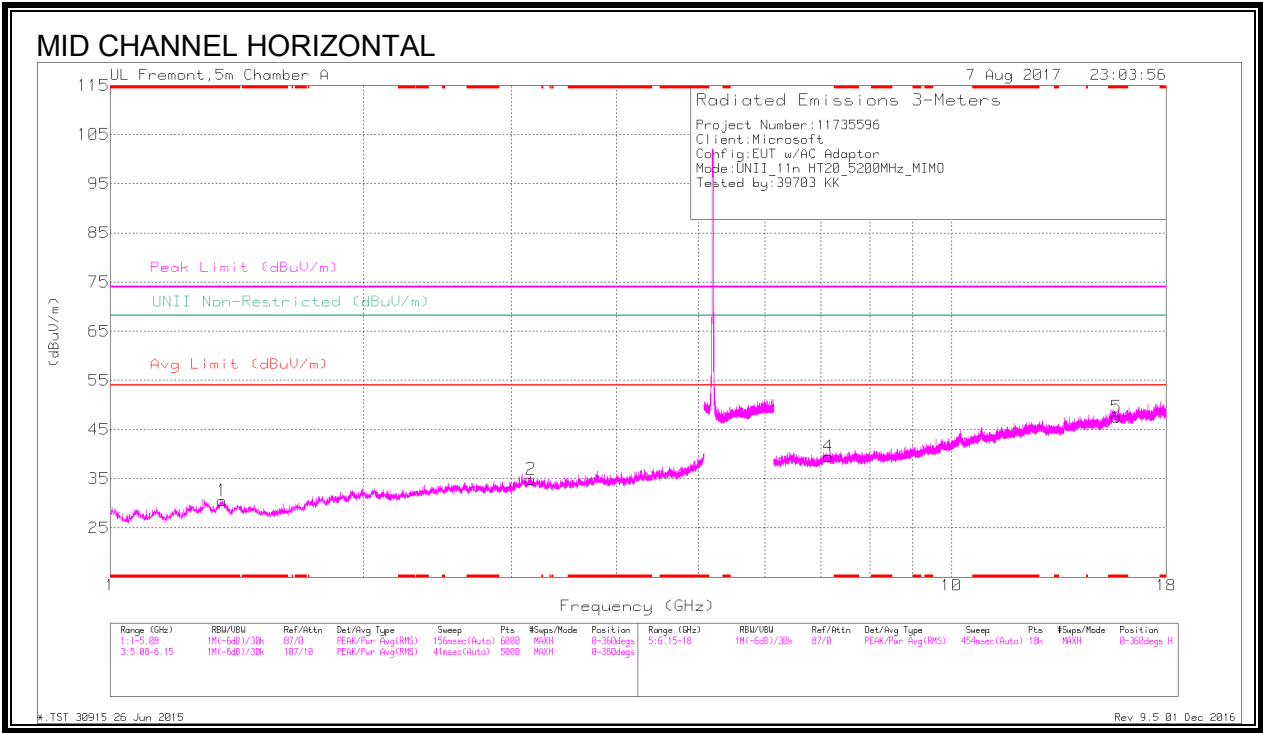
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 4.764	36.97	PK-U	34.1	-27.6	43.47	-	-	74	-30.53	-	-	85	100	H
	* 4.768	25.08	ADR	34.1	-27.5	31.68	54	-22.32	-	-	-	-	85	100	H
2	* 7.361	33.42	PK-U	35.7	-23	46.12	-	-	74	-27.88	-	-	208	100	H
	* 7.36	21.66	ADR	35.7	-23	34.36	54	-19.64	-	-	-	-	208	100	H
6	* 9.33	32.95	PK-U	36.6	-22.1	47.45	-	-	74	-26.55	-	-	1	102	V
	* 9.33	22.37	ADR	36.6	-22.1	36.87	54	-17.13	-	-	-	-	1	102	V
4	3.086	33.32	PK-U	32.8	-29.9	36.22	-	-	-	-	68.2	-31.98	131	200	V
5	6.437	34.95	PK-U	35.8	-23.8	46.95	-	-	-	-	68.2	-21.25	29	200	V
3	7.918	33.45	PK-U	35.8	-22.9	46.35	-	-	-	-	68.2	-21.85	163	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



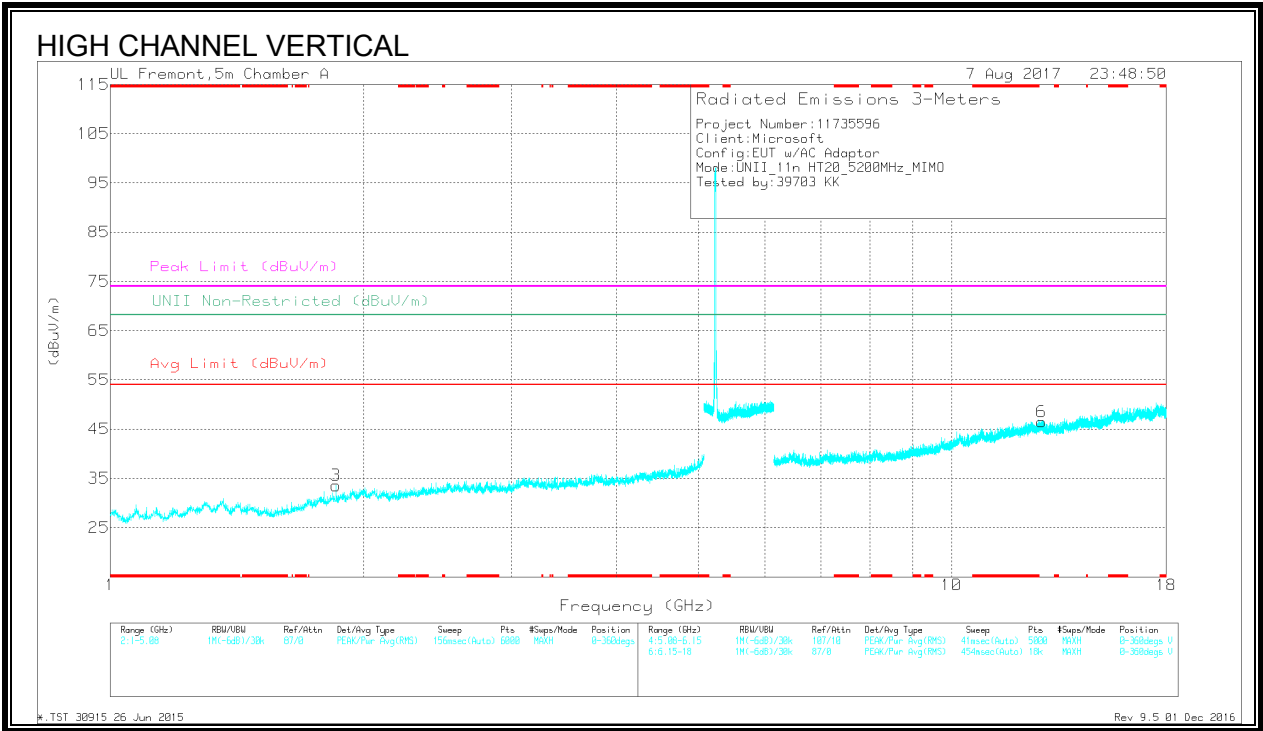
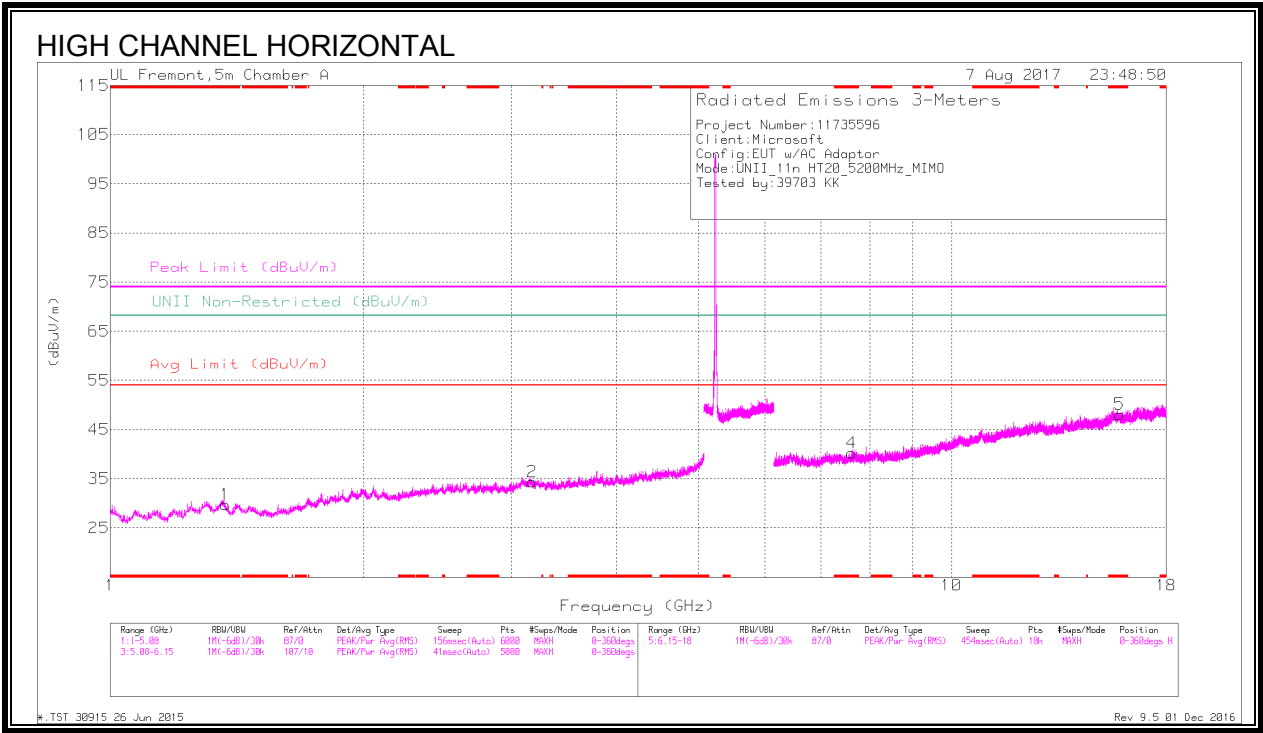
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.359	40.99	PK-U	29.3	-32.8	37.49	-	-	74	-36.51	-	-	54	100	H
	* 1.359	29.07	ADR	29.3	-32.8	25.57	54	-28.43	-	-	-	-	54	100	H
5	* 15.707	32.47	PK-U	40.2	-18.8	53.87	-	-	74	-20.13	-	-	3	199	H
	* 15.705	21.96	ADR	40.2	-18.8	43.36	54	-10.64	-	-	-	-	3	199	H
6	* 12.582	32.19	PK-U	39.2	-19.1	52.29	-	-	74	-21.71	-	-	15	266	V
	* 12.585	21.15	ADR	39.2	-19.1	41.25	54	-12.75	-	-	-	-	15	266	V
3	2.019	39.06	PK-U	31.4	-31.6	38.86	-	-	-	-	68.2	-29.34	3	100	V
2	3.166	38.53	PK-U	32.9	-29.7	41.73	-	-	-	-	68.2	-26.47	3	100	H
4	7.144	33.81	PK-U	35.7	-23.4	46.11	-	-	-	-	68.2	-22.09	3	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Ch/Flt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.372	40.31	PK-U	29.1	-32.7	36.71	-	-	74	-37.29	-	-	309	100	H
	* 1.37	28.33	ADR	29.2	-32.7	24.83	54	-29.17	-	-	-	-	309	100	H
4	* 7.614	33.58	PK-U	35.7	-22.6	46.68	-	-	74	-27.32	-	-	265	253	H
	* 7.614	22.28	ADR	35.7	-22.7	35.28	54	-18.72	-	-	-	-	265	253	H
5	* 15.841	32.62	PK-U	40.3	-18.1	54.82	-	-	74	-19.18	-	-	265	200	H
	* 15.841	21.44	ADR	40.3	-18.1	43.64	54	-10.36	-	-	-	-	265	200	H
3	1.857	39.87	PK-U	30.9	-32.8	37.97	-	-	-	-	68.2	-30.23	350	255	V
2	3.174	38.5	PK-U	33	-29.9	41.6	-	-	-	-	68.2	-26.6	309	100	H
6	12.799	32.12	PK-U	39.3	-19.1	52.32	-	-	-	-	68.2	-15.88	278	319	V

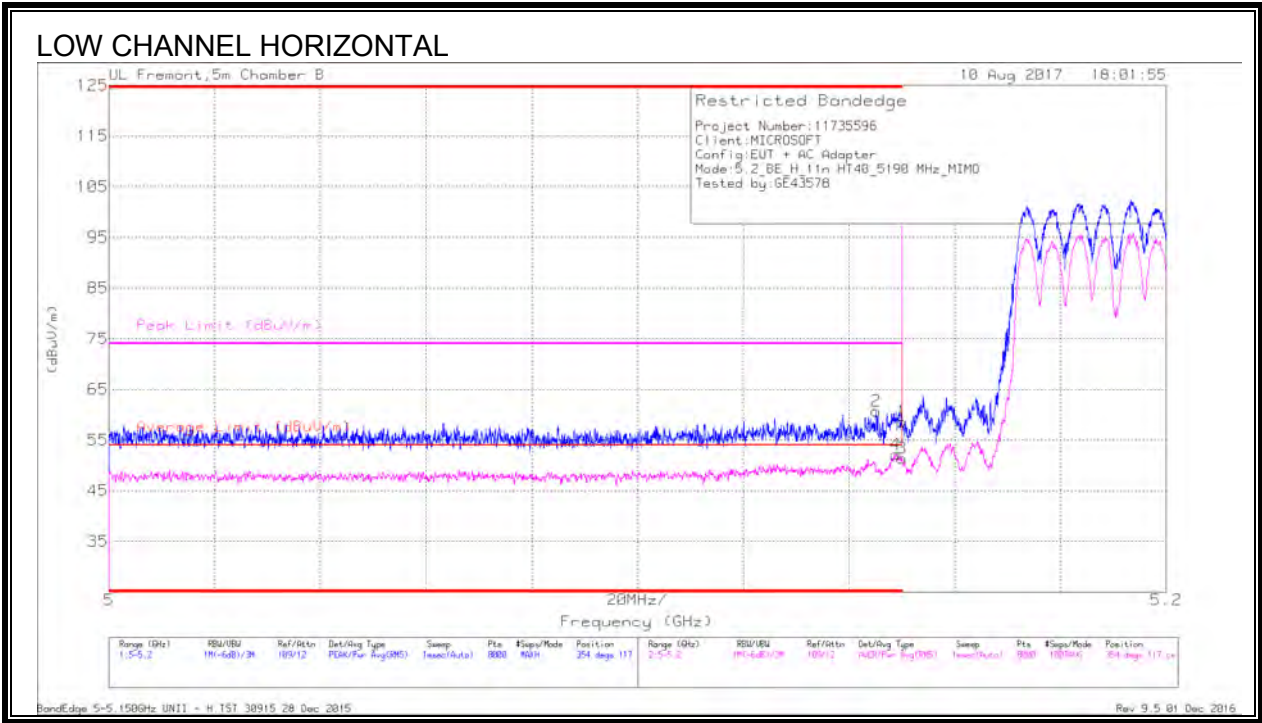
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.3. 11n HT40 2TX MODE IN THE 5.2GHz BAND

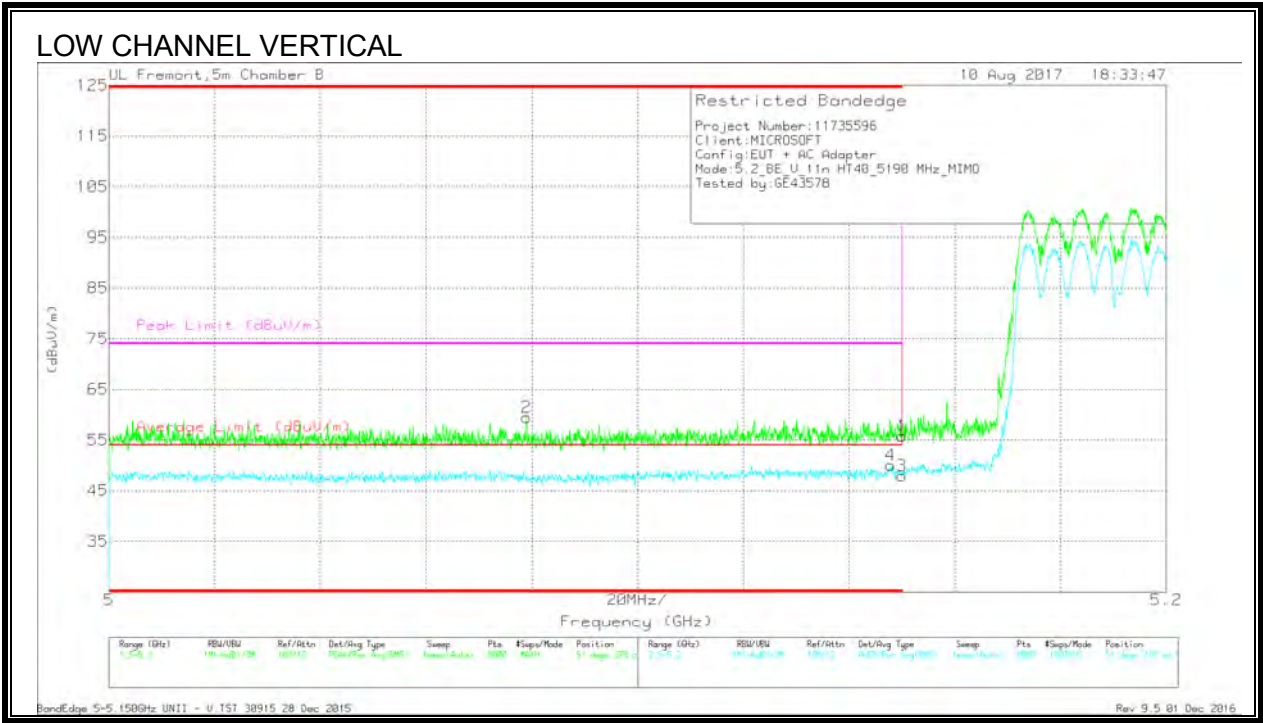
RESTRICTED BANDEDGE (LOW CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	42.05	Pk	34.4	-17.8	0	58.65	-	-	74	-15.35	354	117	H
2	* 5.145	44.05	Pk	34.4	-17.7	0	60.75	-	-	74	-13.25	354	117	H
3	* 5.15	34.81	RMS	34.4	-17.8	0	51.41	54	-2.59	-	-	354	117	H
4	* 5.149	35.4	RMS	34.4	-17.7	0	52.1	54	-1.9	-	-	354	117	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector



Trace Markers

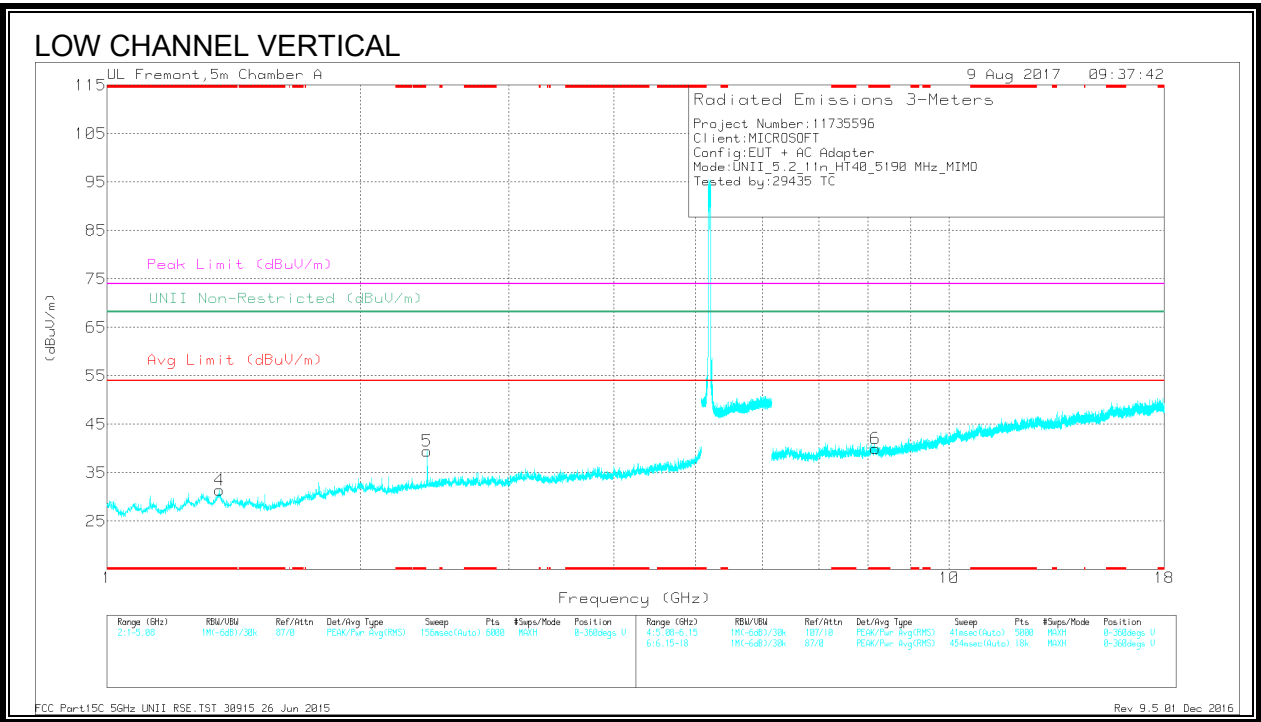
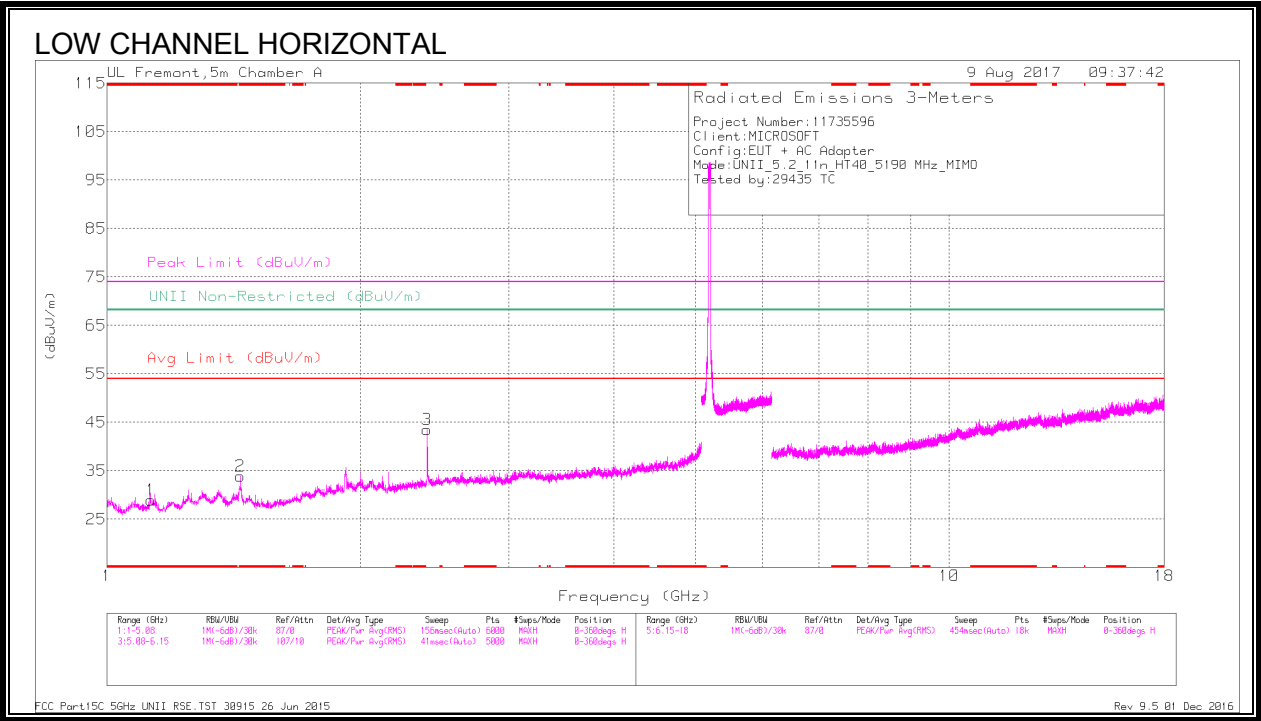
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.11	Pk	34.4	-17.8	0	55.71	-	-	74	-18.29	51	278	V
2	* 5.079	42.67	Pk	34.3	-17.5	0	59.47	-	-	74	-14.53	51	278	V
3	* 5.15	31.32	RMS	34.4	-17.8	0	47.92	54	-6.08	-	-	51	278	V
4	* 5.148	33.22	RMS	34.4	-17.6	0	50.02	54	-3.98	-	-	51	278	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



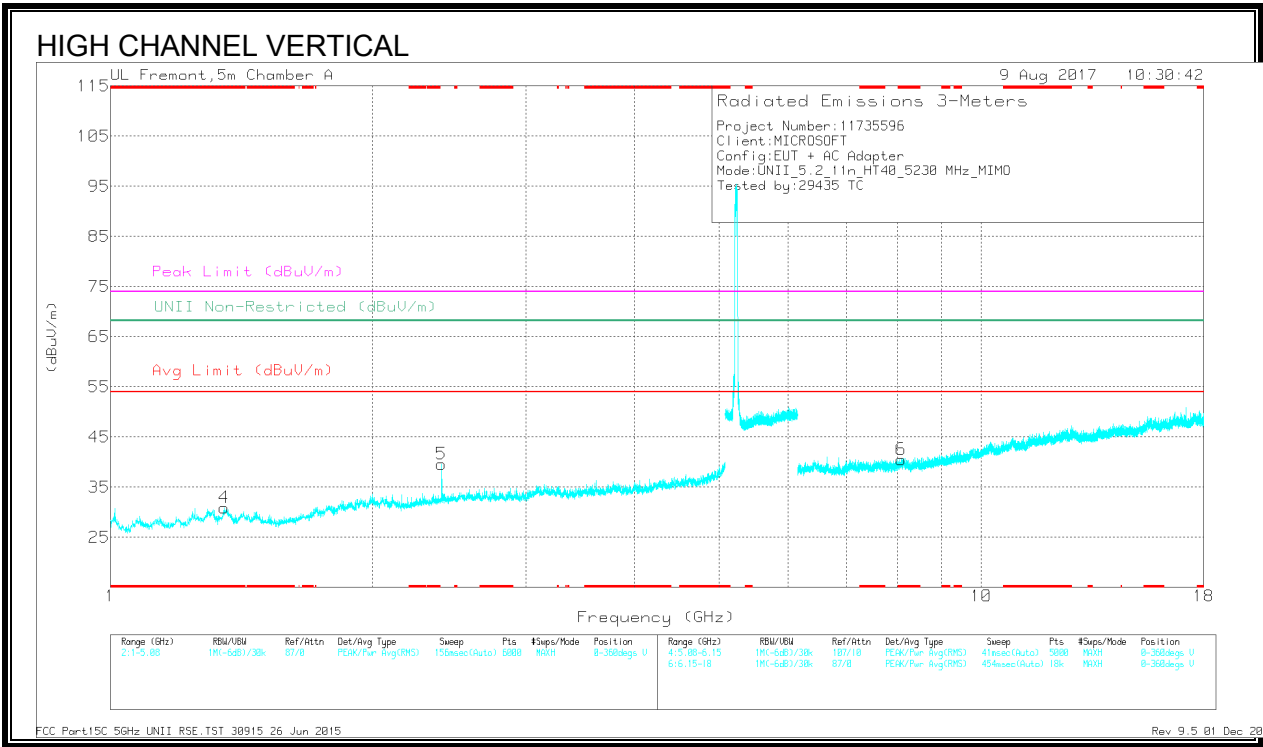
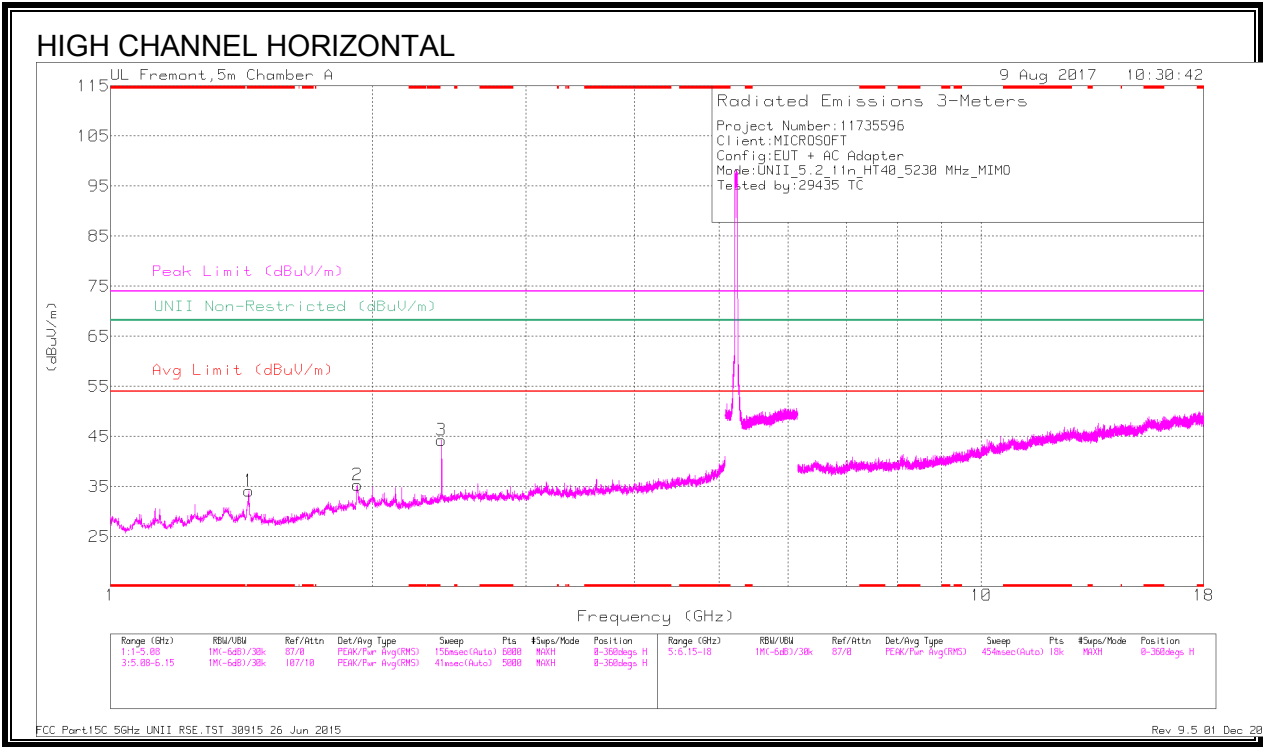
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Asimuth (Degs)	Height (cm)	Polarity
1	* 1.129	40.92	PK-U	27.7	-33.3	35.32	-	-	74	-38.68	-	-	239	327	H
	* 1.128	29.3	ADR	27.7	-33.3	23.7	54	-30.3	-	-	-	-	239	327	H
2	* 1.441	49.08	PK-U	28.7	-32.6	45.18	-	-	74	-28.82	-	-	323	277	H
	* 1.44	31.33	ADR	28.7	-32.6	27.43	54	-26.57	-	-	-	-	323	277	H
4	* 1.358	41.7	PK-U	29.4	-32.8	38.3	-	-	74	-35.7	-	-	82	380	V
	* 1.36	29.04	ADR	29.3	-32.8	25.54	54	-28.46	-	-	-	-	82	380	V
6	* 8.167	32.99	PK-U	35.8	-22.5	46.29	-	-	74	-27.71	-	-	347	143	V
	* 8.167	21.67	ADR	35.8	-22.5	34.97	54	-19.03	-	-	-	-	347	143	V
3	2.4	48.05	PK-U	31.8	-31.5	48.35	-	-	-	-	68.2	-19.85	353	184	H
5	2.4	43.86	PK-U	31.8	-31.5	44.16	-	-	-	-	68.2	-24.04	66	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	51	PK-U	28.7	-32.6	47.1	-	-	74	-26.9	-	-	183	104	H
	* 1.44	32.37	ADR	28.7	-32.6	28.47	54	-25.53	-	-	-	-	183	104	H
4	* 1.352	41.36	PK-U	29.5	-32.9	37.96	-	-	74	-36.04	-	-	122	212	V
	* 1.352	28.9	ADR	29.5	-32.9	25.5	54	-28.5	-	-	-	-	122	212	V
6	* 8.092	33.67	PK-U	35.8	-22.8	46.67	-	-	74	-27.33	-	-	346	140	V
	* 8.093	22.05	ADR	35.8	-22.8	35.05	54	-18.95	-	-	-	-	346	140	V
2	1.919	51.92	PK-U	31.2	-32.7	50.42	-	-	-	-	68.2	-17.78	313	101	H
3	2.4	48.41	PK-U	31.8	-31.5	48.71	-	-	-	-	68.2	-19.49	357	156	H
5	2.401	44.01	PK-U	31.8	-31.5	44.31	-	-	-	-	68.2	-23.89	65	122	V

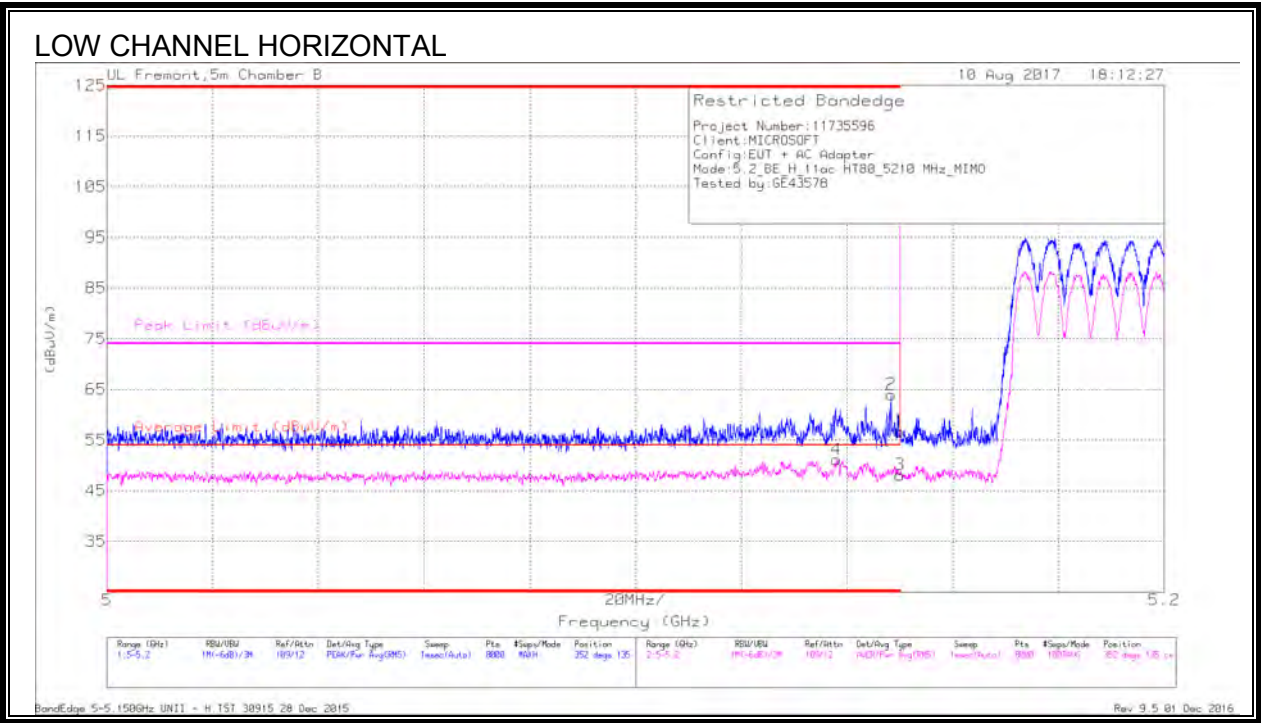
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.4. 11ac VHT80 2TX MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



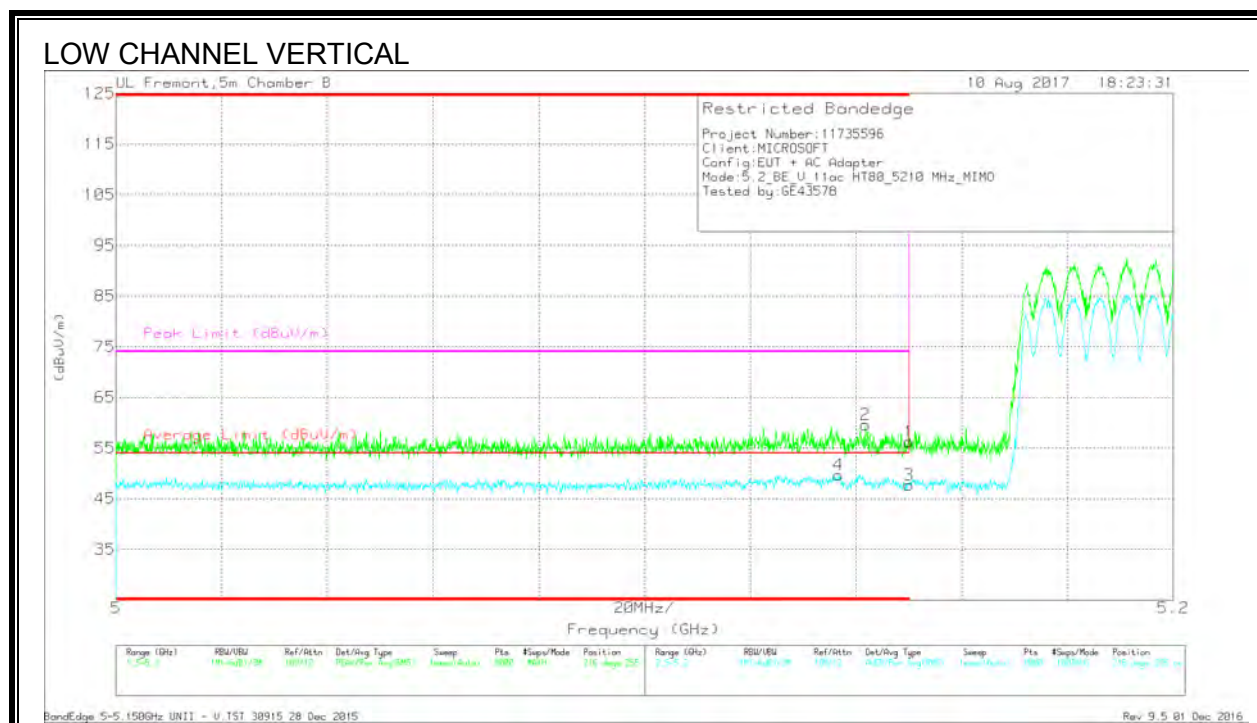
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dB/m)	Amp/Cb/Ftr/Pdr (dB)	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBm/m)	Margin (dB)	Peak Limit (dBm/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.15	40.07	Pk	34.4	-17.8	0	56.67	-	-	74	-17.33	352	135	H
2	* 5.148	47.31	Pk	34.4	-17.7	0	64.01	-	-	74	-9.99	352	135	H
3	* 5.15	31.52	RMS	34.4	-17.8	0	48.12	54	-5.88	-	-	352	135	H
4	* 5.138	34.21	RMS	34.4	-17.5	0	51.11	54	-2.89	-	-	352	135	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



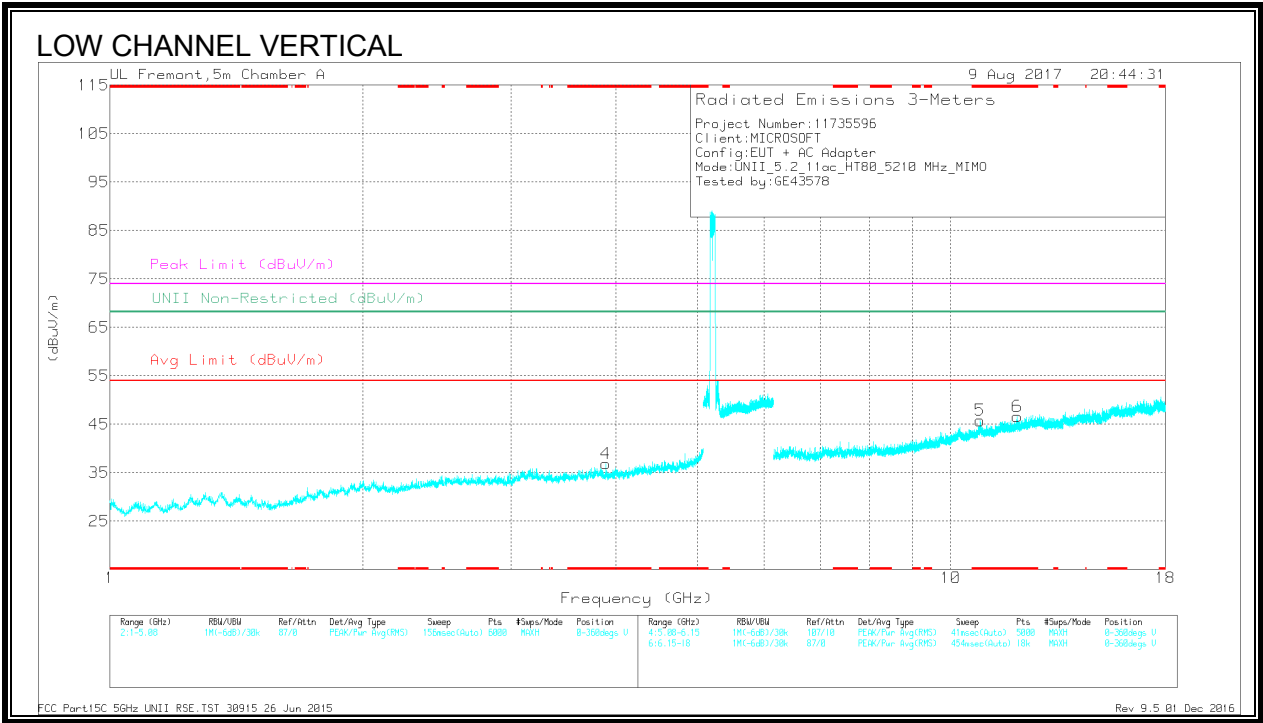
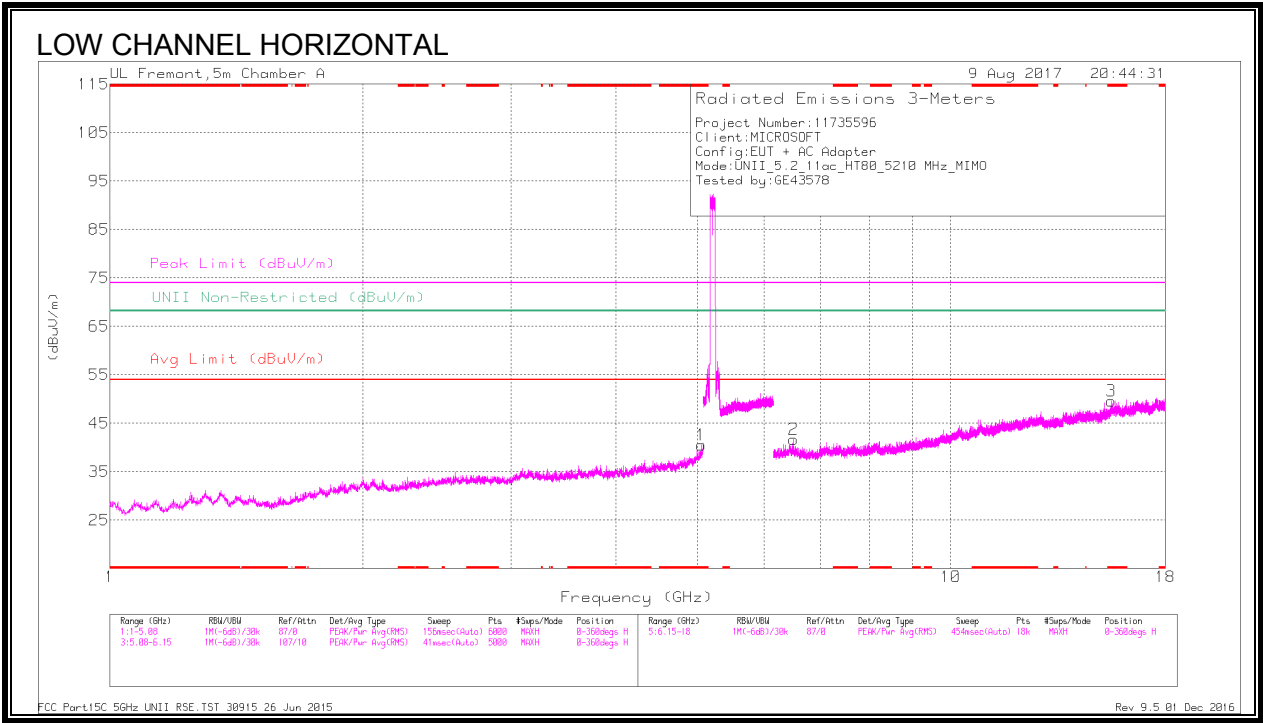
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Ctrl/Freq/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.6	Pk	34.4	-17.8	0	56.2	-	-	74	-17.8	216	255	V
2	* 5.142	42.81	Pk	34.4	-17.6	0	59.61	-	-	74	-14.39	216	255	V
3	* 5.15	31.1	RMS	34.4	-17.8	0	47.7	54	-6.3	-	-	216	255	V
4	* 5.137	32.57	RMS	34.4	-17.3	0	49.67	54	-4.33	-	-	216	255	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T62 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULRI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.051	38.18	PK-U	34.4	-25.5	0	47.08	-	-	74	-26.92	-	-	49	101	H
	* 5.05	25.38	ADR	34.4	-25.5	0	34.28	54	-19.72	-	-	-	-	49	101	H
4	* 3.887	38.72	PK-U	33.1	-29.8	0	42.02	-	-	74	-31.98	-	-	89	200	V
	* 3.889	26.87	ADR	33.1	-29.8	0	30.17	54	-23.83	-	-	-	-	89	200	V
3	* 15.53	33.07	PK-U	40	-17.3	0	55.77	-	-	74	-18.23	-	-	82	199	H
	* 15.531	20.73	ADR	40	-17.3	0	43.43	54	-10.57	-	-	-	-	82	199	H
5	* 10.845	32.95	PK-U	37.9	-18.9	0	51.95	-	-	74	-22.05	-	-	33	102	V
	* 10.843	20.47	ADR	37.9	-18.9	0	39.47	54	-14.53	-	-	-	-	33	102	V
6	* 12.004	32.14	PK-U	38.9	-19.3	0	51.74	-	-	74	-22.26	-	-	11	200	V
	* 12.003	20.53	ADR	38.9	-19.3	0	40.13	54	-13.87	-	-	-	-	11	200	V
2	6.498	34.46	PK-U	35.7	-23.4	0	46.76	-	-	-	-	68.2	-21.44	14	102	H

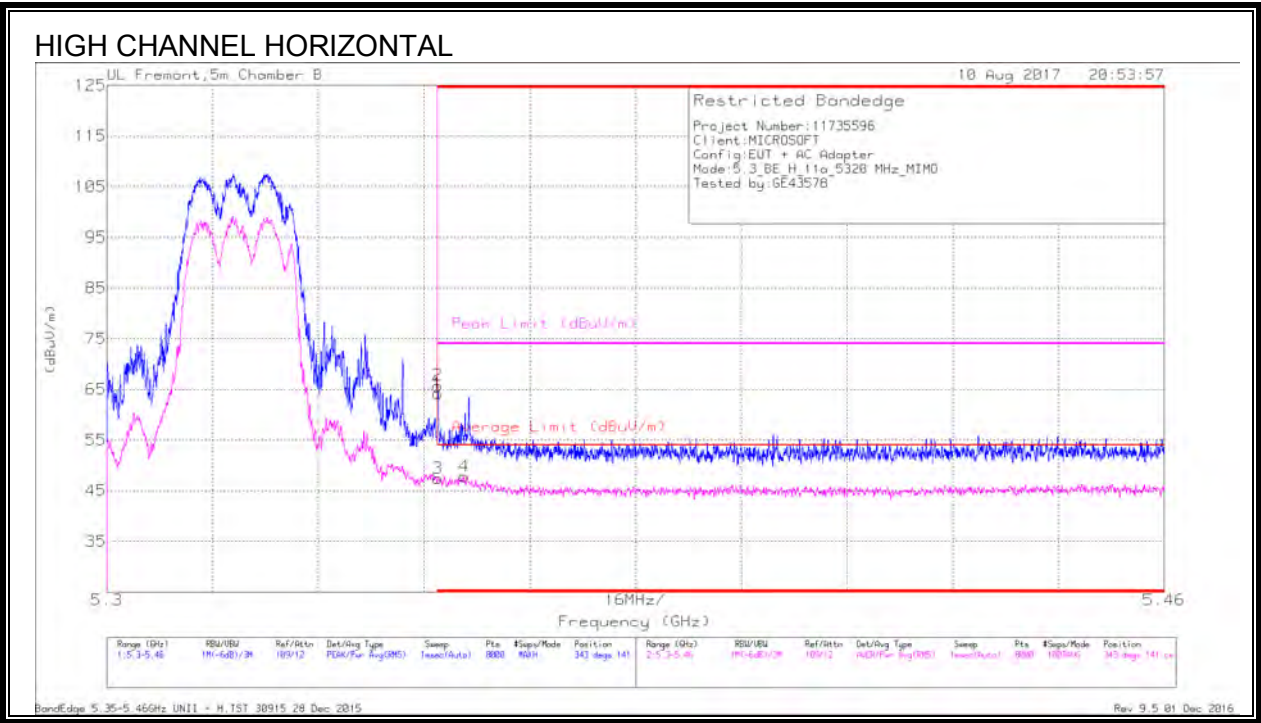
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.5. 11a 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



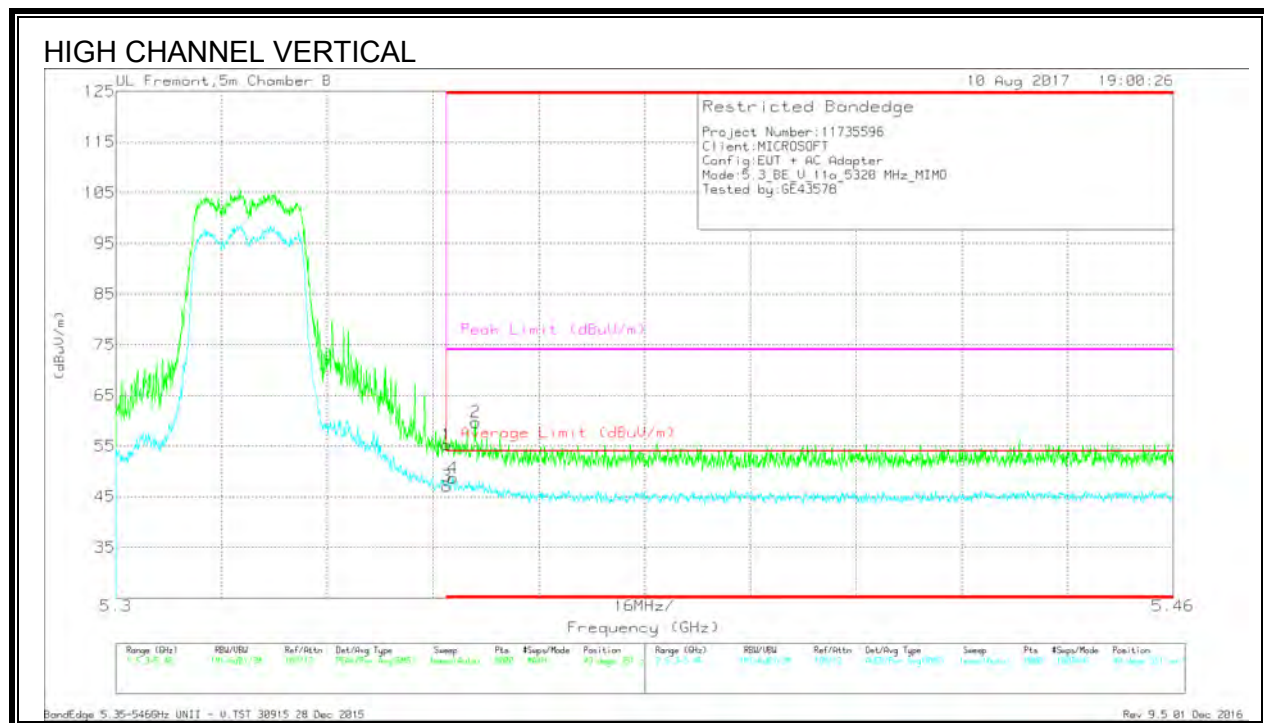
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF YB63 (dB/m)	Amp/Cb/Fbr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	47.78	Pk	34.9	-18.5	0	64.18	-	-	74	-9.82	343	141	H
2	* 5.35	49.35	Pk	34.9	-18.5	0	65.75	-	-	74	-8.25	343	141	H
3	* 5.35	30.99	RMS	34.9	-18.5	0	47.39	54	-6.61	-	-	343	141	H
4	* 5.354	31.25	RMS	34.9	-18.3	0	47.85	54	-6.15	-	-	343	141	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

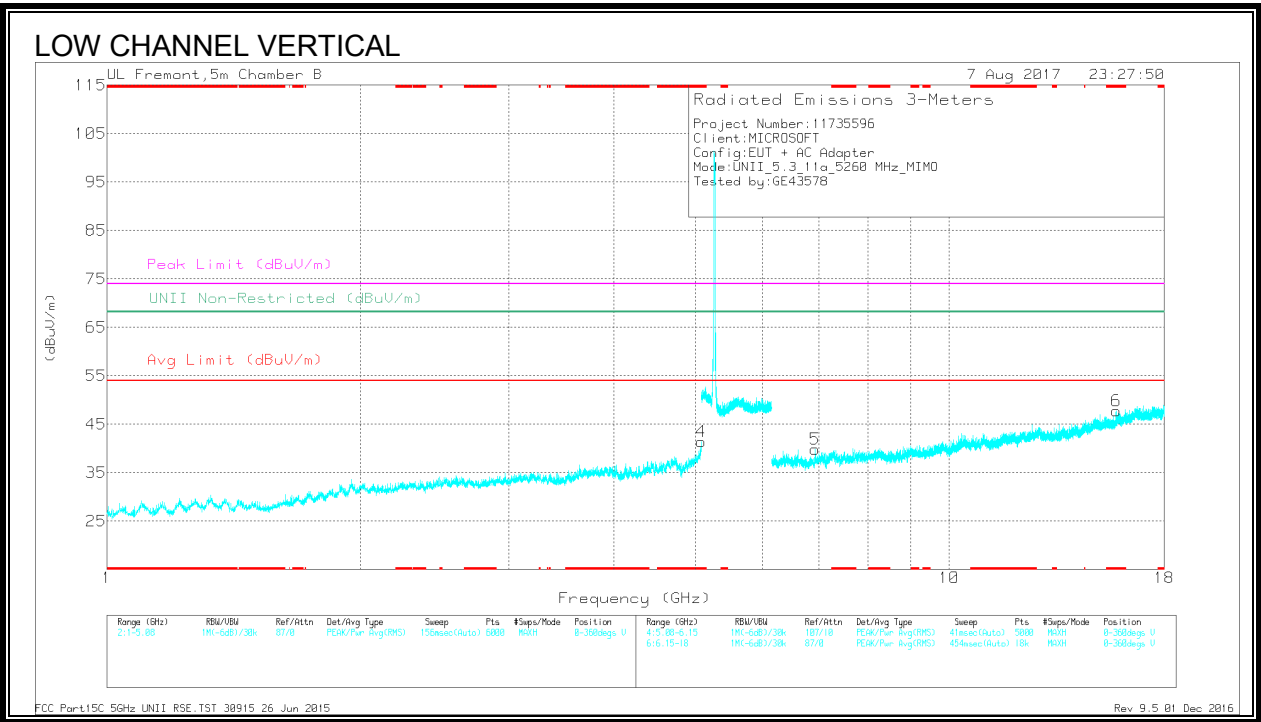
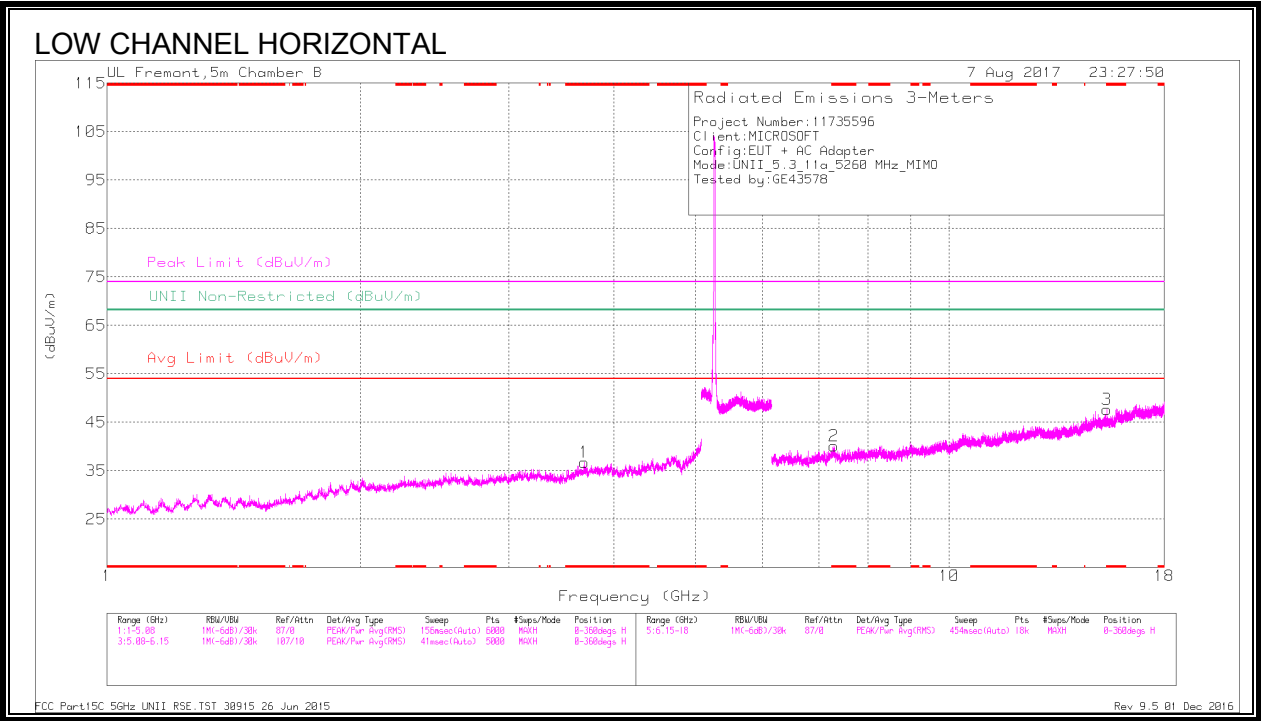
Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Ch/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.88	Pk	34.9	-18.5	0	55.28	-	-	74	-18.72	49	351	V
2	* 5.354	43.07	Pk	34.9	-18.3	0	59.67	-	-	74	-14.33	49	351	V
3	* 5.35	30.65	RMS	34.9	-18.5	0	47.05	54	-6.95	-	-	49	351	V
4	* 5.351	32.29	RMS	34.9	-18.5	0	48.69	54	-5.31	-	-	49	351	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



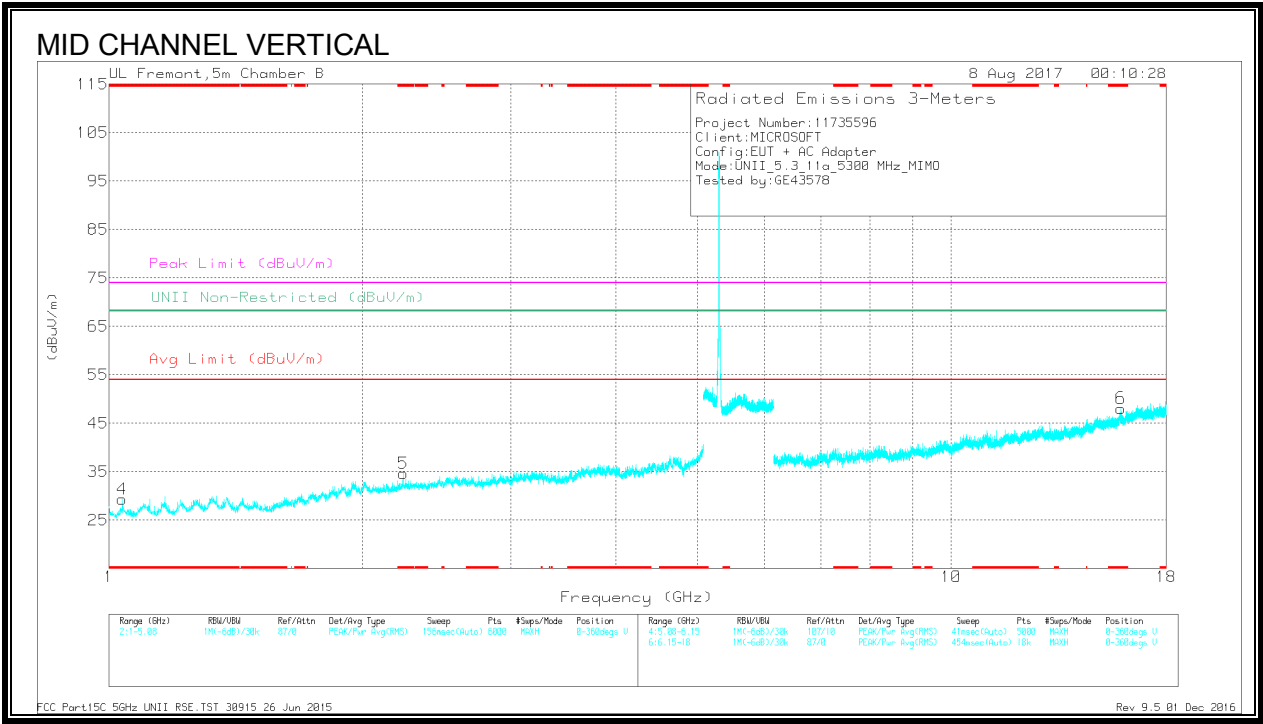
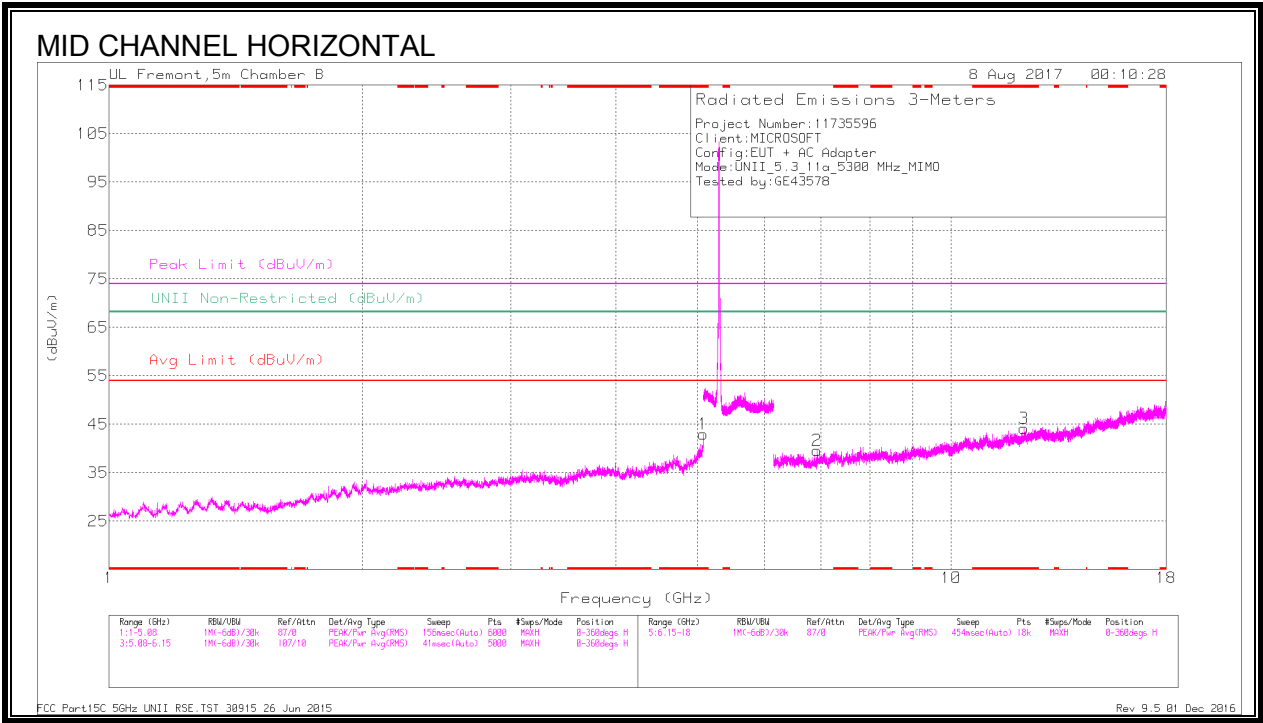
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Ch/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.689	40.24	PK-U	33.2	-30.5	0	42.94	-	-	74	-31.06	-	-	6	101	H
	* 3.69	27.78	ADR	33.2	-30.5	0	30.48	54	-23.52	-	-	-	-	6	101	H
4	* 5.079	38.52	PK-U	34.3	-24.4	0	48.42	-	-	74	-25.58	-	-	160	200	V
	* 5.078	26.71	ADR	34.3	-24.6	0	36.41	54	-17.59	-	-	-	-	160	200	V
2	* 7.298	36.22	PK-U	35.8	-26.1	0	45.92	-	-	74	-28.08	-	-	84	200	H
	* 7.298	24.02	ADR	35.8	-26.1	0	33.72	54	-20.28	-	-	-	-	84	200	H
3	* 15.391	33.03	PK-U	40.6	-20.3	0	53.33	-	-	74	-20.67	-	-	315	200	H
	* 15.392	20.46	ADR	40.6	-20.3	0	40.76	54	-13.24	-	-	-	-	315	200	H
6	* 15.783	34.58	PK-U	40.9	-20.4	0	55.08	-	-	74	-18.92	-	-	259	104	V
	* 15.783	22.04	ADR	40.9	-20.4	0	42.54	54	-11.46	-	-	-	-	259	104	V
5	6.934	36.62	PK-U	35.8	-27.6	0	44.82	-	-	-	-	68.2	-23.38	334	199	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



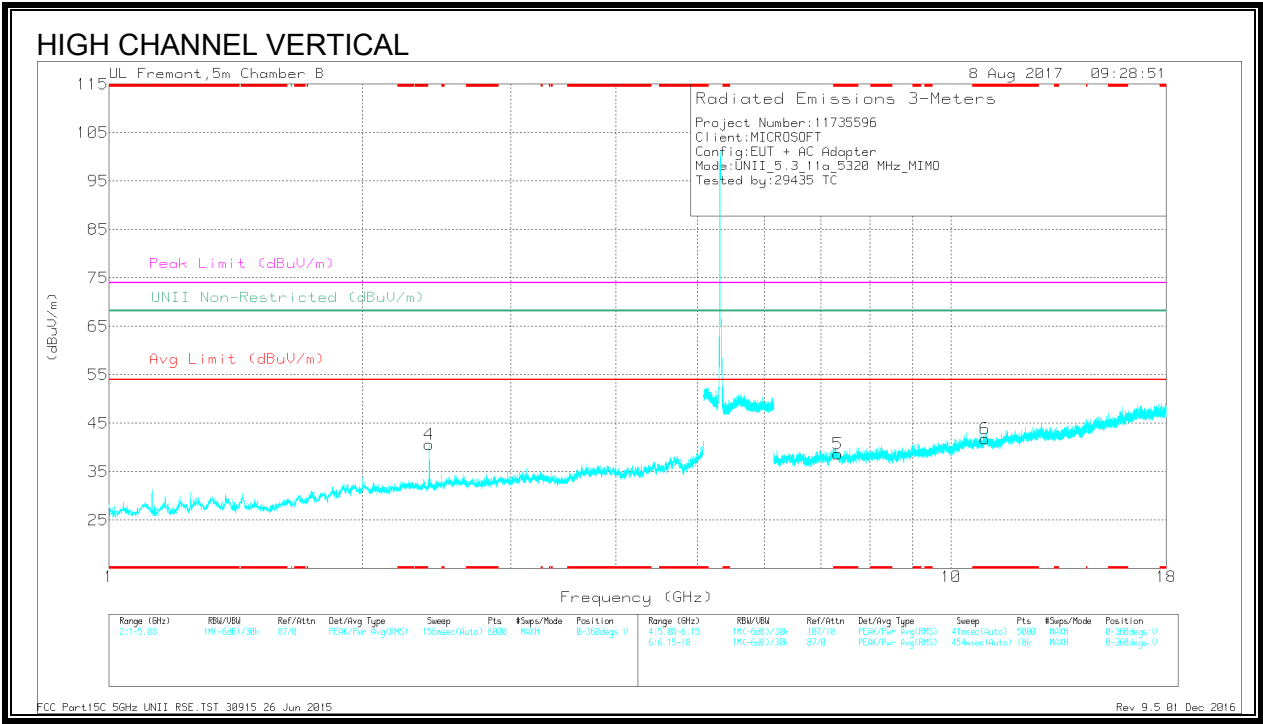
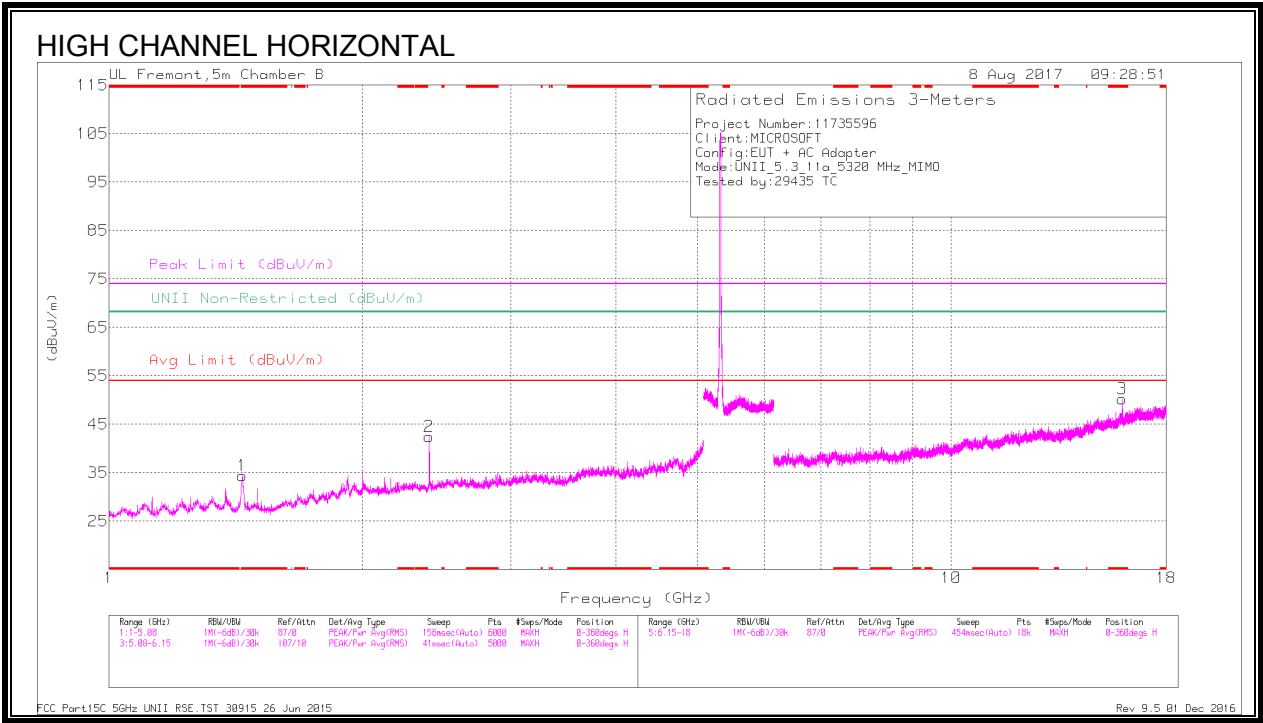
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1803 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	* 5.078	40.04	PK-U	34.3	-24.7	0	49.64	-	-	74	-24.36	-	-	53	198	H
	* 5.078	27.37	ADR	34.3	-24.6	0	37.07	54	-16.93	-	-	-	-	53	198	H
4	* 1.036	41.85	PK-U	27.1	-34.4	0	34.55	-	-	74	-39.45	-	-	143	198	V
	* 1.038	29.71	ADR	27.1	-34.3	0	22.51	54	-31.49	-	-	-	-	143	198	V
5	* 2.233	39.62	PK-U	31.8	-32.2	0	39.22	-	-	74	-34.78	-	-	286	198	V
	* 2.233	27.8	ADR	31.8	-32.2	0	27.4	54	-26.6	-	-	-	-	286	198	V
3	* 12.194	32.98	PK-U	39.1	-22.2	0	49.88	-	-	74	-24.12	-	-	3	198	H
	* 12.194	20.84	ADR	39.1	-22.2	0	37.74	54	-16.26	-	-	-	-	3	198	H
6	* 15.902	34.03	PK-U	41	-19.2	0	55.83	-	-	74	-18.17	-	-	262	104	V
	* 15.902	21.09	ADR	41	-19.2	0	42.89	54	-11.11	-	-	-	-	262	104	V
2	6.933	36.97	PK-U	35.8	-27.6	0	45.17	-	-	-	-	68.2	-23.03	77	104	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Rtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	53.22	PK-U	28.3	-33.4	48.12	-	-	74	-25.88	-	-	269	225	H
	* 1.44	34.25	ADR	28.3	-33.4	29.15	54	-24.85	-	-	-	-	269	225	H
3	* 15.963	32.95	PK-U	41.1	-19.9	54.15	-	-	74	-19.85	-	-	325	148	H
	* 15.964	20.94	ADR	41.1	-19.8	42.24	54	-11.76	-	-	-	-	325	148	H
5	* 7.334	36.25	PK-U	35.9	-26.5	45.65	-	-	74	-28.35	-	-	19	213	V
	* 7.335	24.51	ADR	35.9	-26.6	33.81	54	-20.19	-	-	-	-	19	213	V
6	* 10.968	33.24	PK-U	37.7	-22.4	48.54	-	-	74	-25.46	-	-	165	226	V
	* 10.97	21.51	ADR	37.7	-22.4	36.81	54	-17.19	-	-	-	-	165	226	V
2	2.4	44.38	ADR	32	-32.6	43.78	-	-	-	-	-	-	209	137	H
	2.4	47.52	PK-U	32	-32.6	46.92	-	-	-	-	68.2	-21.28	265	102	V
4	2.4	40.63	ADR	32	-32.6	40.03	-	-	-	-	-	-	265	102	V
	2.401	49.84	PK-U	32	-32.6	49.24	-	-	-	-	68.2	-18.96	209	137	H

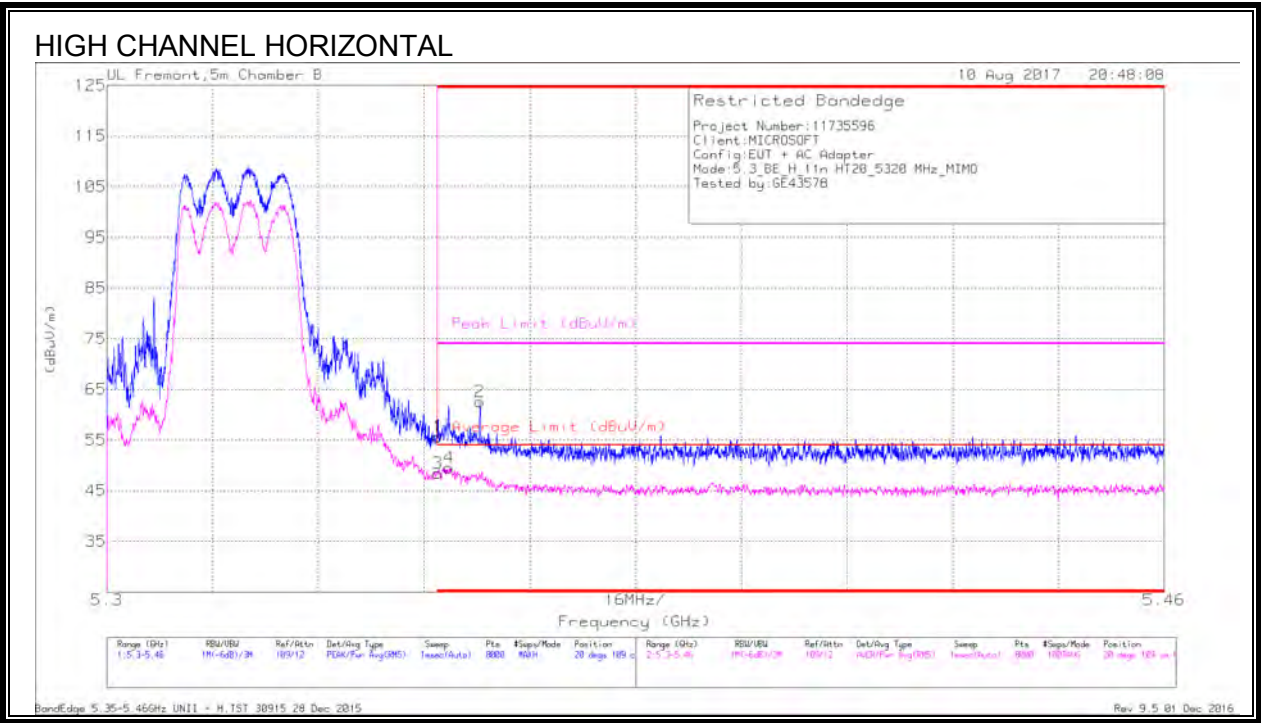
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.6. 11n HT20 2TX MODE IN THE 5.3GHz BAND

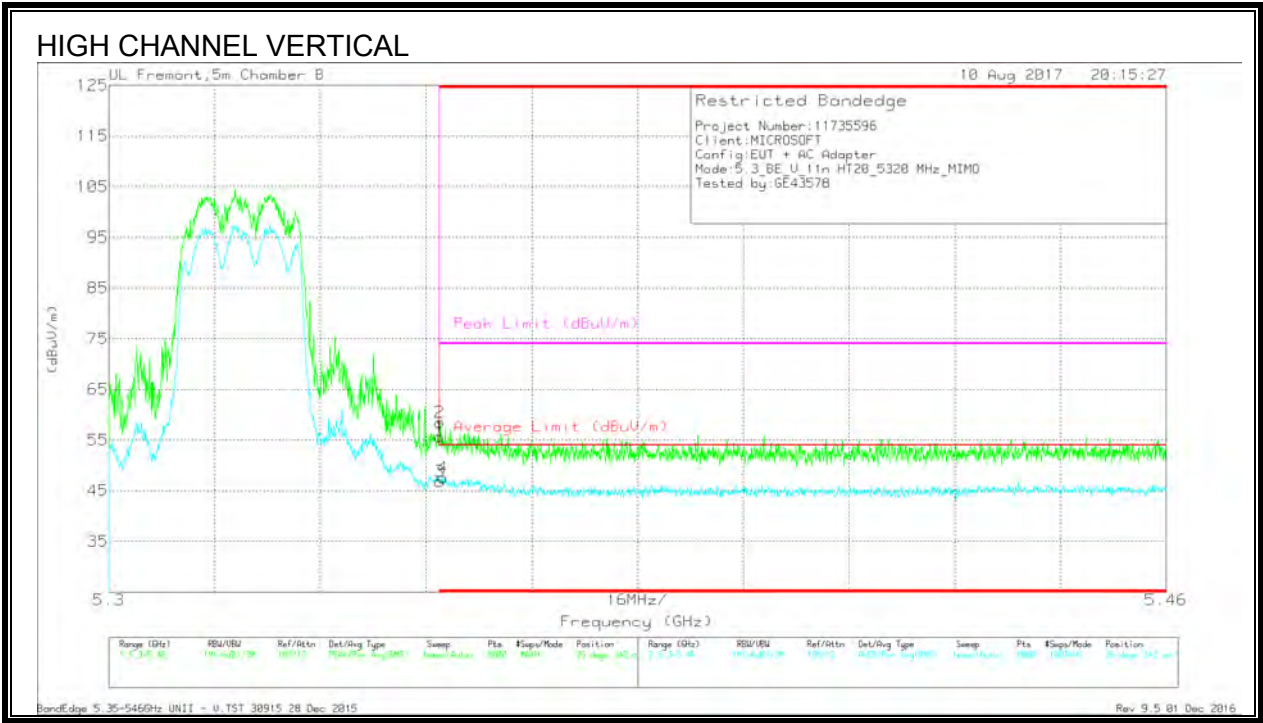
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	39.26	Pk	34.9	-18.5	0	55.66	-	-	74	-18.34	20	109	H
2	* 5.356	45.97	Pk	34.9	-18.3	0	62.57	-	-	74	-11.43	20	109	H
3	* 5.35	32.04	RMS	34.9	-18.5	0	48.44	54	-5.56	-	-	20	109	H
4	* 5.352	33.05	RMS	34.9	-18.4	0	49.55	54	-4.45	-	-	20	109	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection



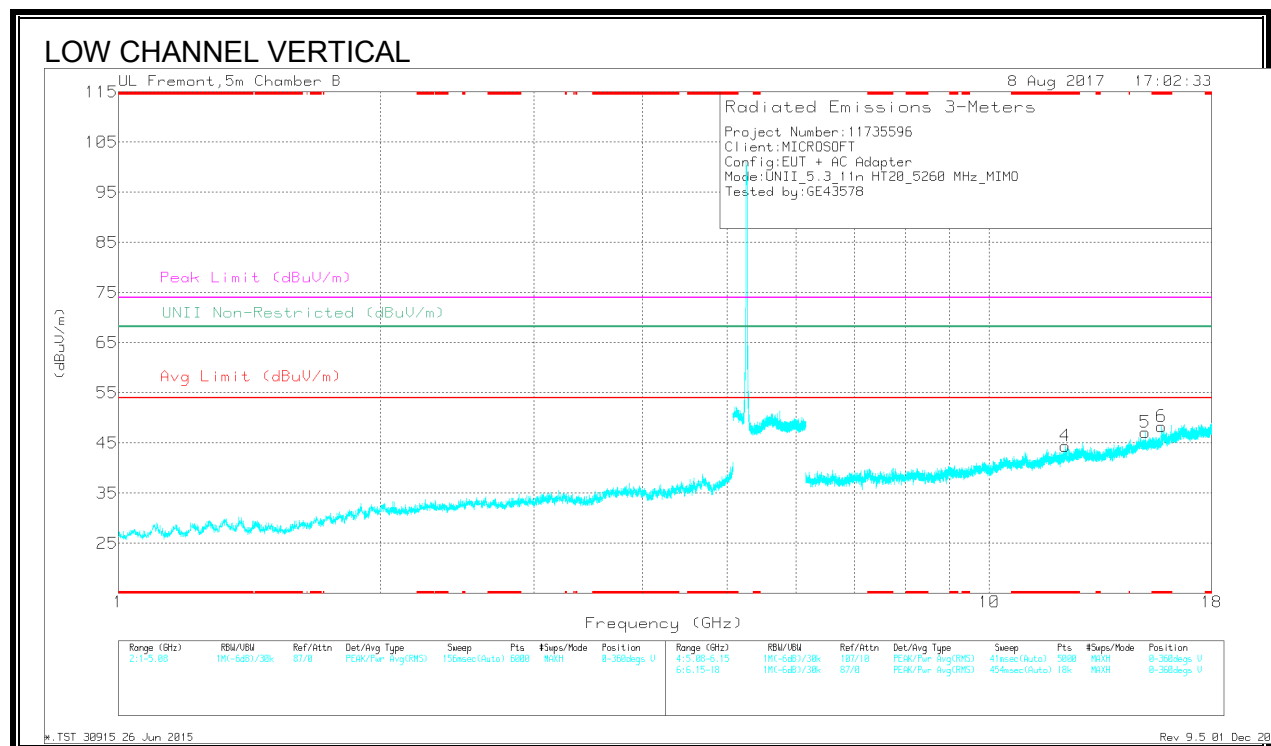
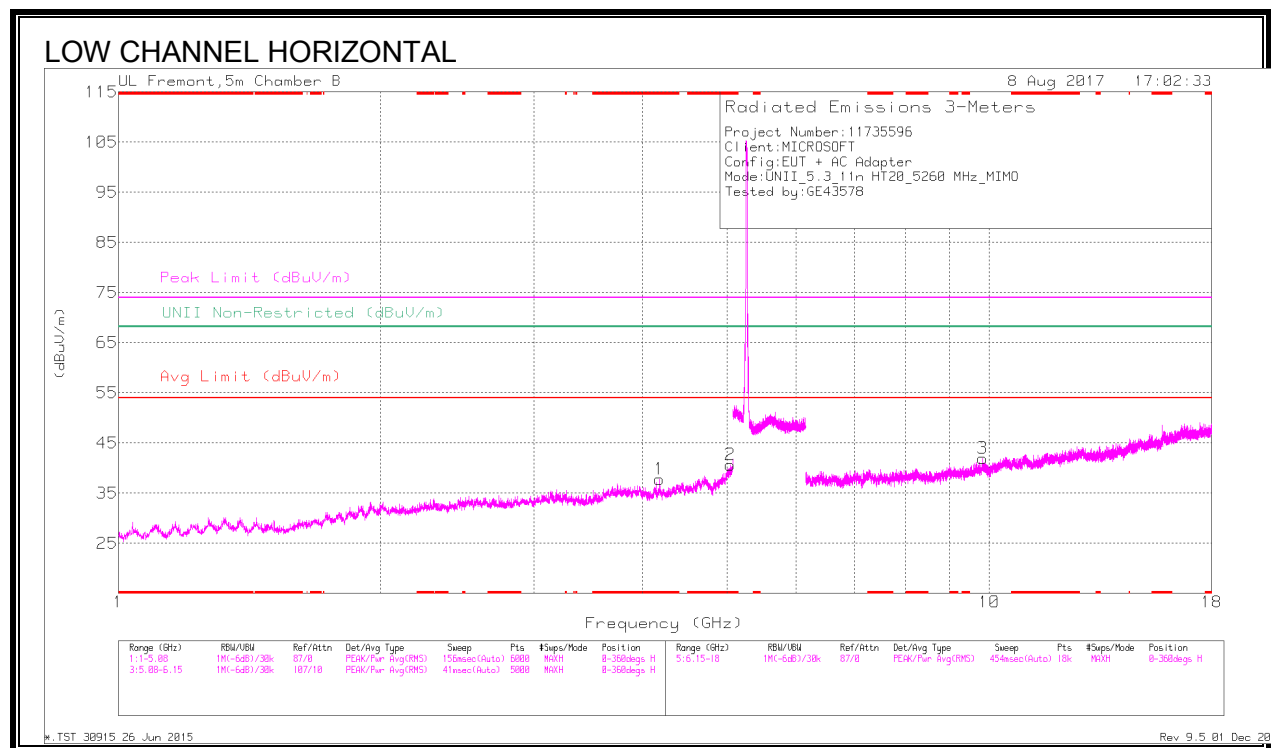
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.26	Pk	34.9	-18.5	0	55.66	-	-	74	-18.34	26	342	V
2	* 5.35	42.04	Pk	34.9	-18.5	0	58.44	-	-	74	-15.56	26	342	V
3	* 5.35	30.38	RMS	34.9	-18.5	0	46.78	54	-7.22	-	-	26	342	V
4	* 5.35	31.14	RMS	34.9	-18.5	0	47.54	54	-6.46	-	-	26	342	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



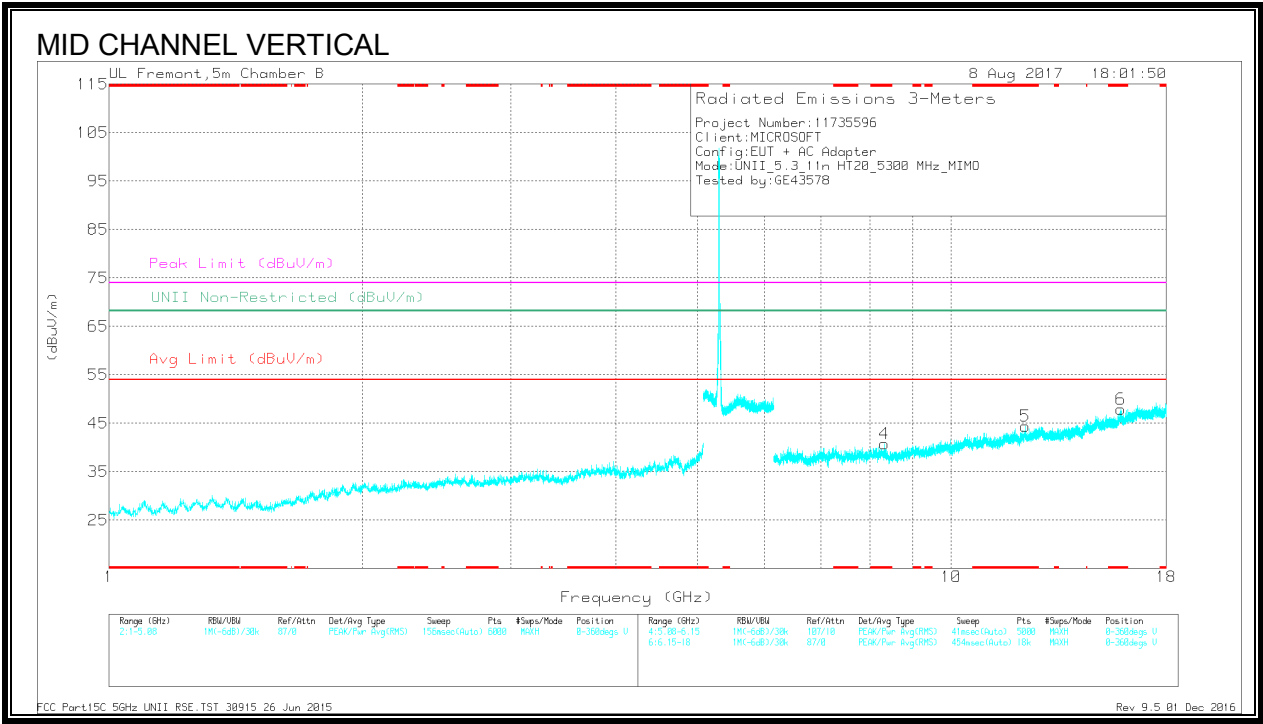
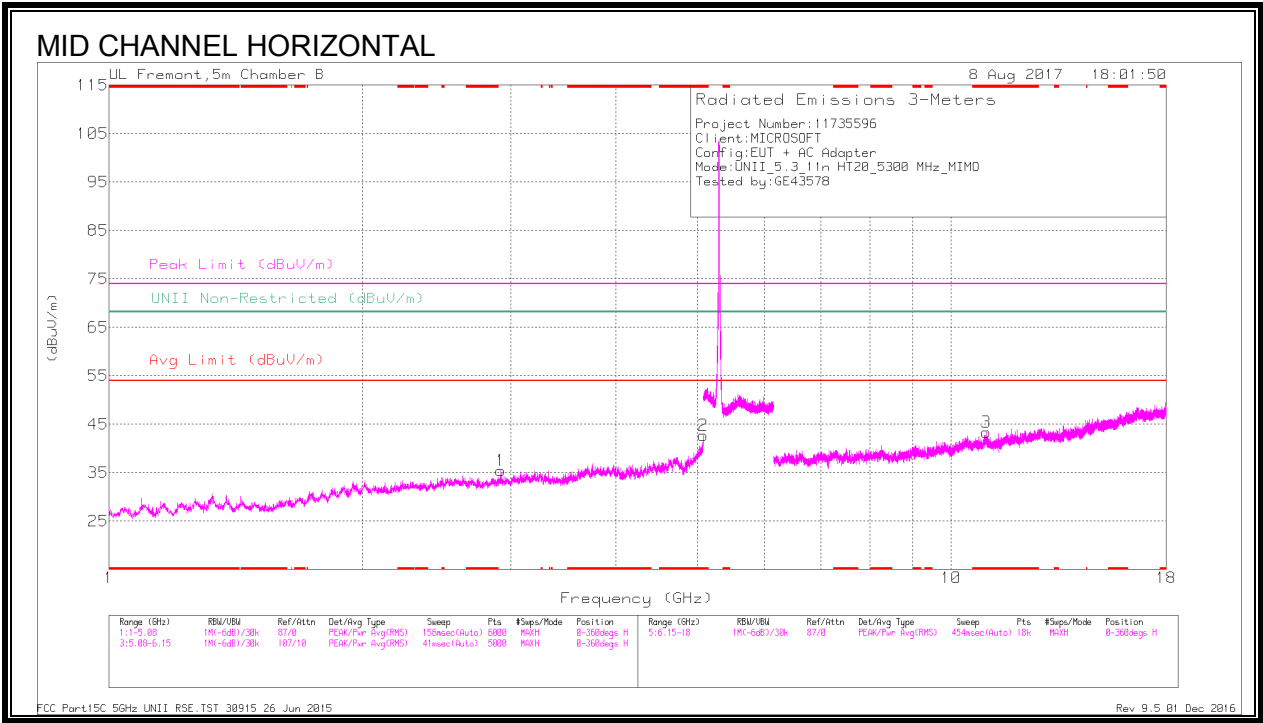
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1503 (dB/m)	Amp/CM/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (m)	Polarity
1	* 4.181	39.38	PK-U	33.4	-29.5	0	43.28	-	-	74	-30.72	-	-	271	101	H
	* 4.182	27.01	ADR	33.4	-29.5	0	30.91	54	-23.09	-	-	-	-	271	101	H
2	* 5.044	39.95	PK-U	34.4	-27.1	0	47.25	-	-	74	-26.75	-	-	319	199	H
	* 5.045	27.75	ADR	34.4	-27	0	35.15	54	-18.85	-	-	-	-	319	199	H
4	* 12.226	33.33	PK-U	39.1	-22.1	0	50.33	-	-	74	-23.67	-	-	165	104	V
	* 12.227	20.84	ADR	39.1	-22.1	0	37.84	54	-16.16	-	-	-	-	165	104	V
6	* 15.781	34.84	PK-U	40.9	-20.4	0	55.34	-	-	74	-18.66	-	-	162	103	V
	* 15.78	22.97	ADR	40.9	-20.4	0	43.47	54	-10.53	-	-	-	-	162	103	V
3	9.824	33.51	PK-U	36.9	-23.4	0	47.01	-	-	-	-	68.2	-21.19	327	199	H
5	15.108	30.95	PK-U	40.5	-20	0	51.45	-	-	-	-	68.2	-16.75	309	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



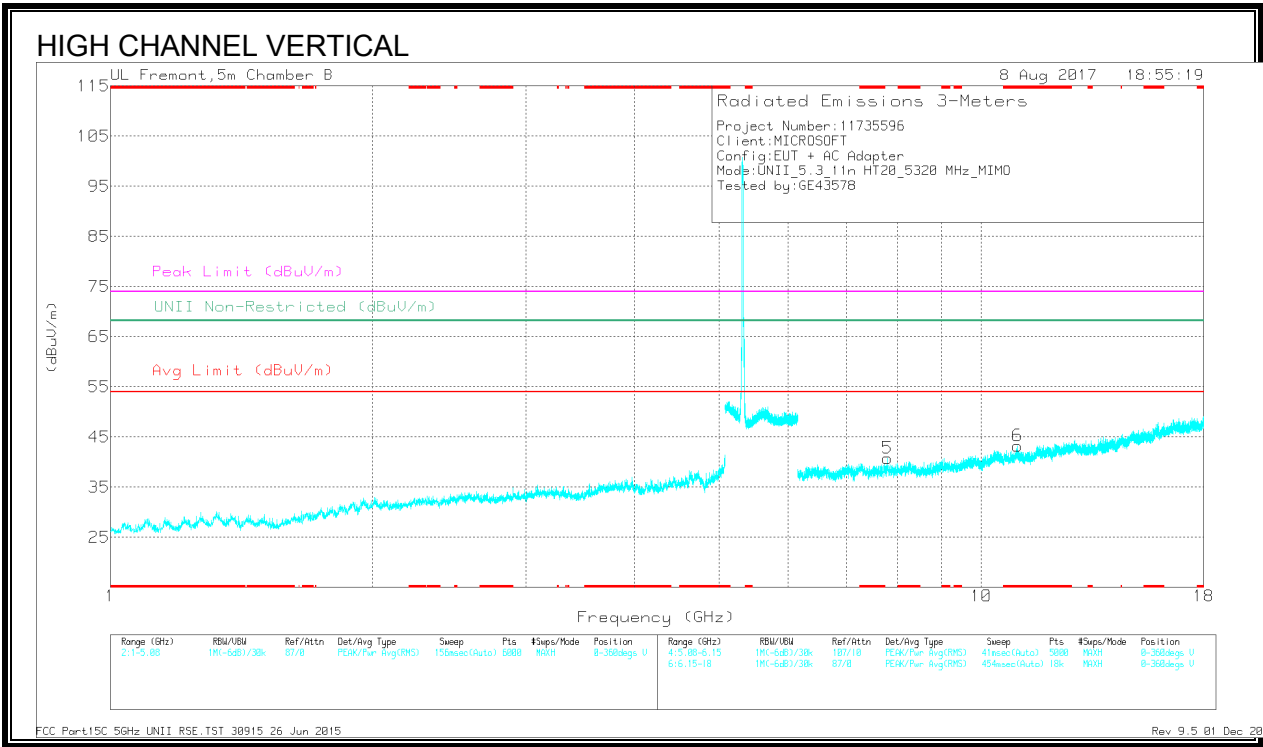
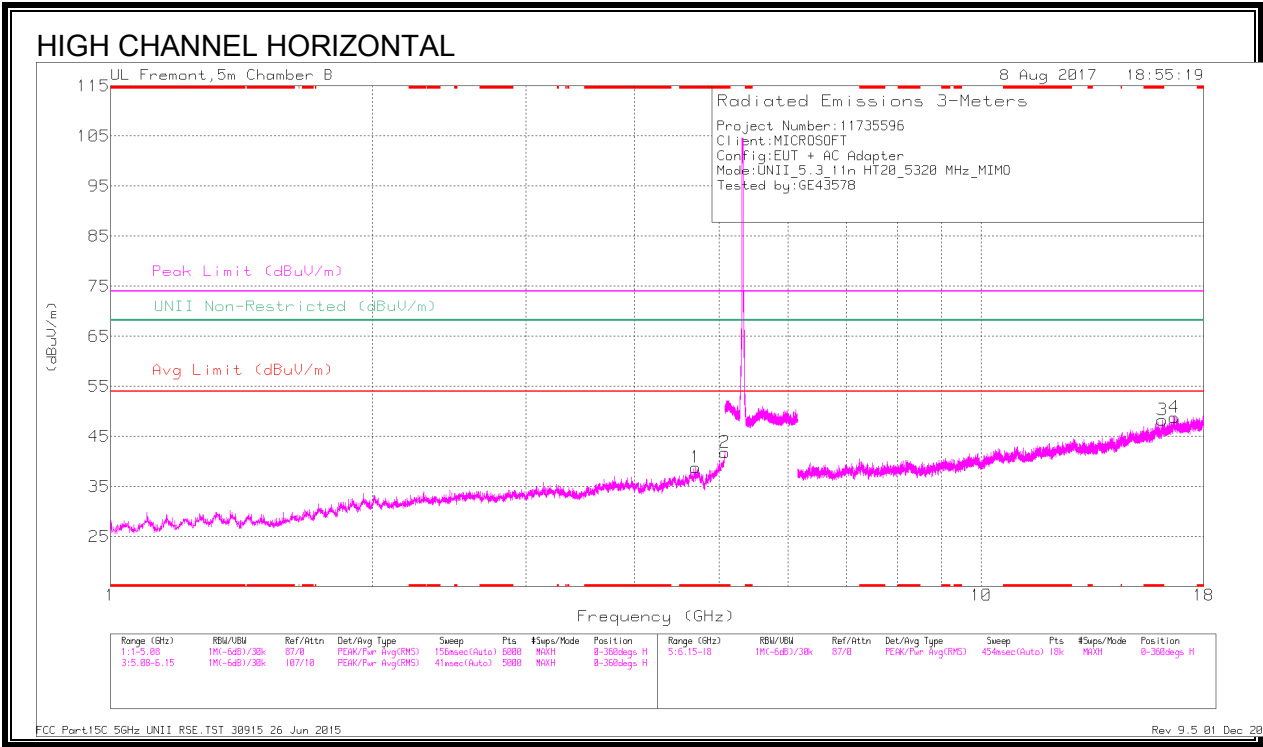
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1803 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
2	* 5.076	40.3	PK-U	34.3	-25.1	0	49.5	-	-	74	-24.5	-	-	25	104	H
	* 5.075	28.24	ADR	34.3	-25.4	0	37.14	54	-16.86	-	-	-	-	25	104	H
3	* 11.002	33.5	PK-U	37.7	-21.5	0	49.7	-	-	74	-24.3	-	-	181	104	H
	* 11.003	21.38	ADR	37.7	-21.5	0	37.58	54	-16.42	-	-	-	-	181	104	H
4	* 8.327	36.53	PK-U	36.1	-26.2	0	46.43	-	-	74	-27.57	-	-	308	104	V
	* 8.329	24.27	ADR	36.1	-26.2	0	34.17	54	-19.83	-	-	-	-	308	104	V
5	* 12.244	32.94	PK-U	39.1	-21.8	0	50.24	-	-	74	-23.76	-	-	300	199	V
	* 12.245	20.94	ADR	39.1	-21.8	0	38.24	54	-15.76	-	-	-	-	300	199	V
6	* 15.907	34.33	PK-U	41	-19.4	0	55.93	-	-	74	-18.07	-	-	162	104	V
	* 15.906	20.95	ADR	41	-19.3	0	42.65	54	-11.35	-	-	-	-	162	104	V
1	2.921	39.37	PK-U	32.6	-31.2	0	40.77	-	-	-	-	68.2	-27.43	37	199	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1503 (dB/m)	Amp/Cable/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 4.7	39.1	PK-U	34.2	-29.2	0	44.1	-	-	74	-29.9	-	-	3	200	H
	* 4.7	26.94	ADR	34.2	-29.2	0	31.94	54	-22.06	-	-	-	-	3	200	H
2	* 5.074	41.53	PK-U	34.3	-25.8	0	50.03	-	-	74	-23.97	-	-	360	104	H
	* 5.073	28.76	ADR	34.3	-26	0	37.06	54	-16.94	-	-	-	-	360	104	H
3	* 16.135	32.56	PK-U	41.3	-19.6	0	54.26	-	-	74	-19.74	-	-	165	104	H
	* 16.135	20.09	ADR	41.3	-19.6	0	41.79	54	-12.21	-	-	-	-	165	104	H
6	* 11.001	33.3	PK-U	37.7	-21.5	0	49.5	-	-	74	-24.5	-	-	335	104	V
	* 11.001	21.28	ADR	37.7	-21.5	0	37.48	54	-16.52	-	-	-	-	335	104	V
5	7.806	36.41	PK-U	36	-26.2	0	46.21	-	-	-	-	68.2	-21.99	44	104	V
4	16.662	30.81	PK-U	42.2	-19.3	0	53.71	-	-	-	-	68.2	-14.49	207	104	H

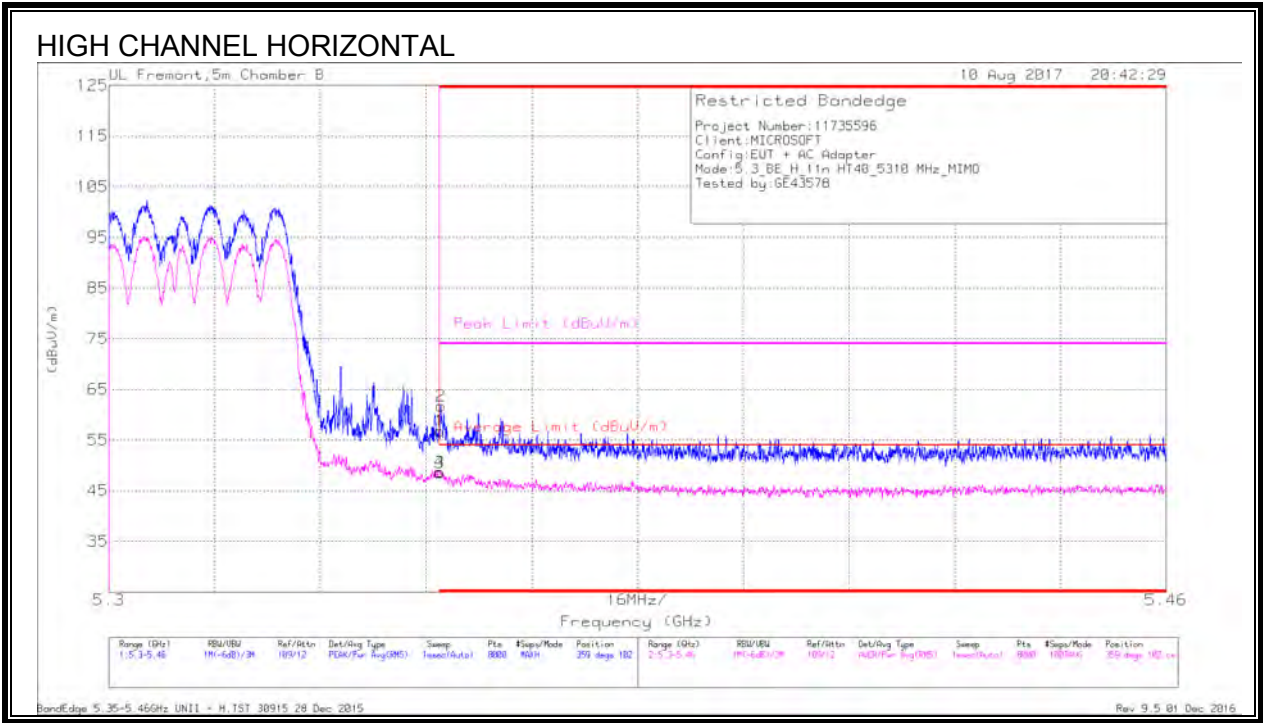
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.7. 11n HT40 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



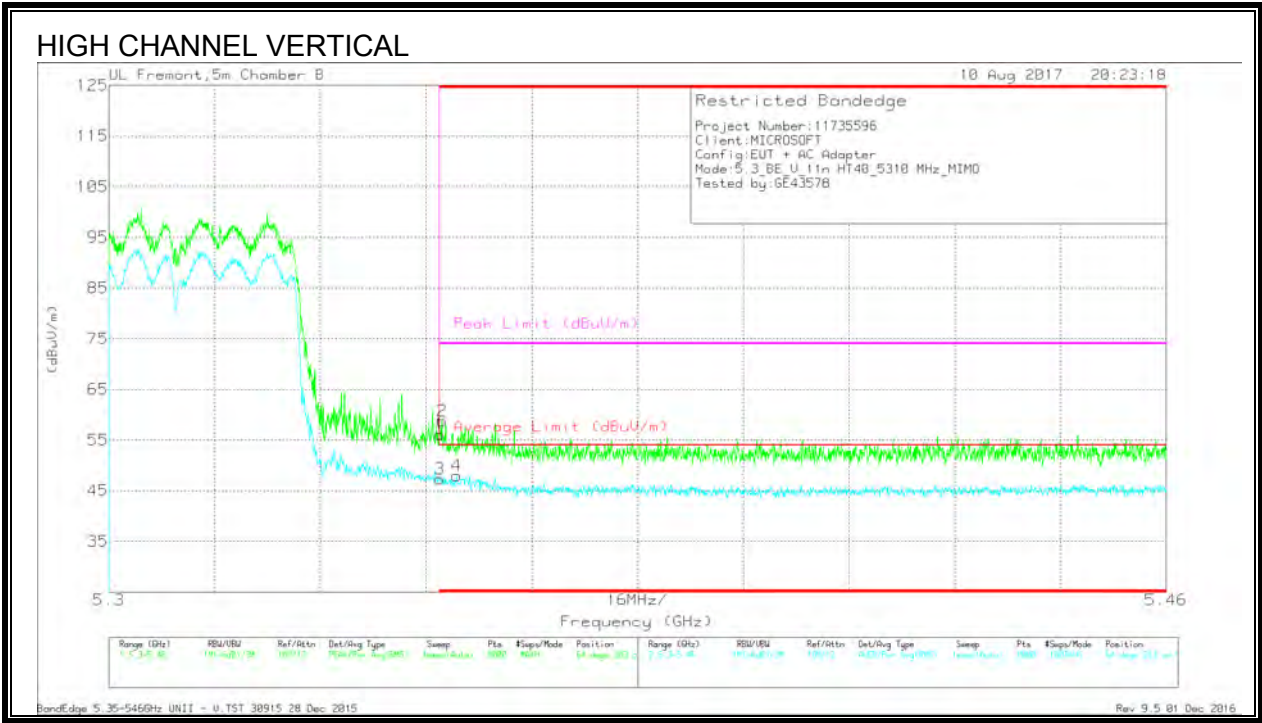
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	40.36	Pk	34.9	-18.5	0	56.76	-	-	74	-17.24	359	102	H
2	* 5.35	45.32	Pk	34.9	-18.5	0	61.72	-	-	74	-12.28	359	102	H
3	* 5.35	32.12	RMS	34.9	-18.5	0	48.52	54	-5.48	-	-	359	102	H
4	* 5.35	32.24	RMS	34.9	-18.5	0	48.64	54	-5.36	-	-	359	102	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

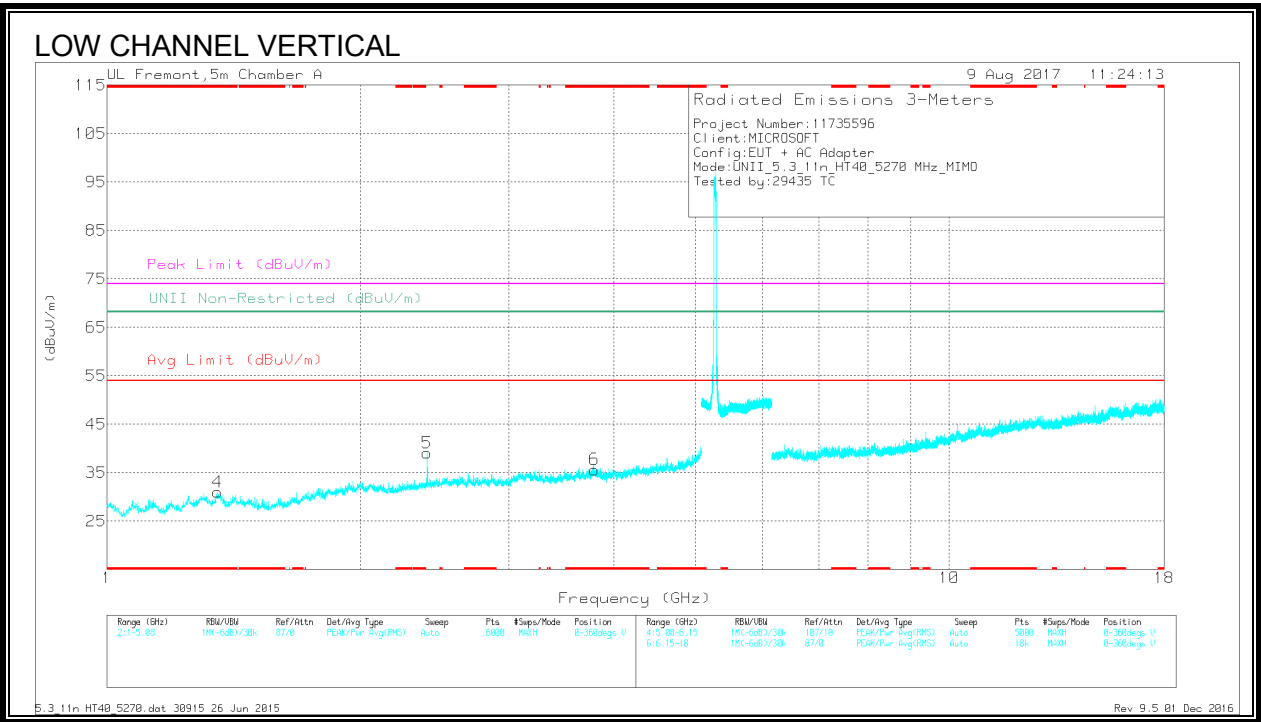
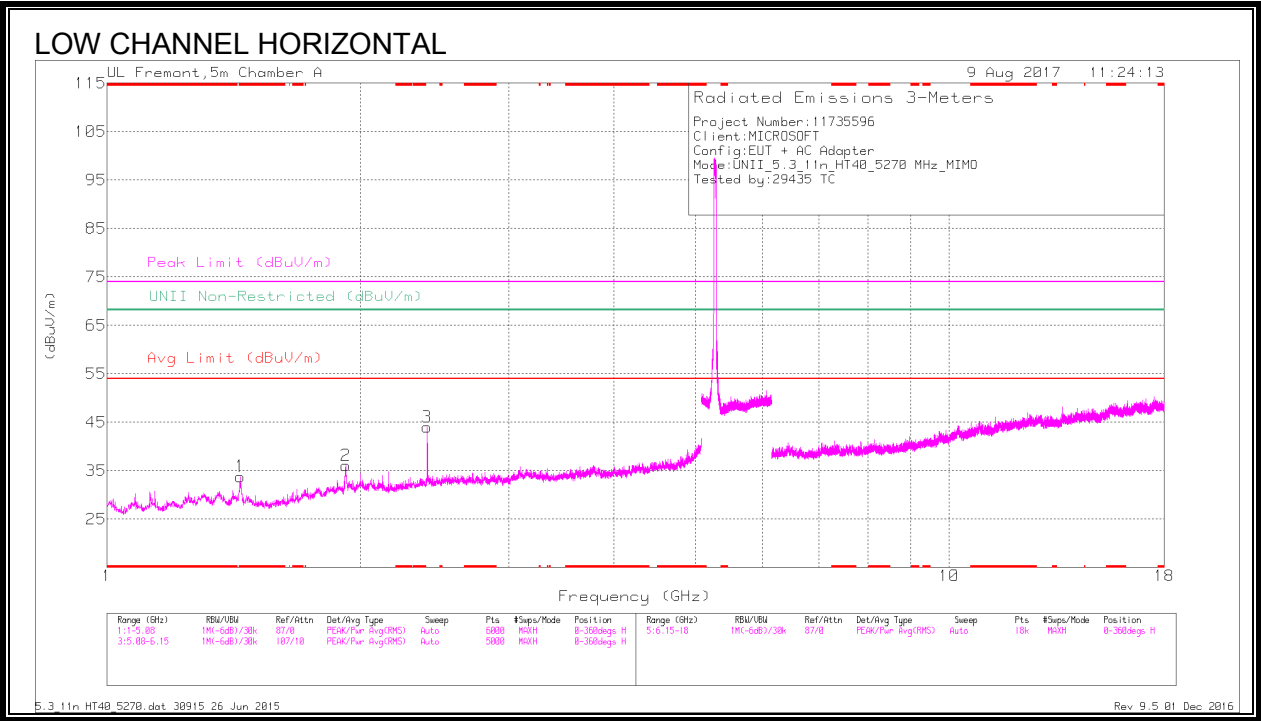
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.68	Pk	34.9	-18.5	0	56.08	-	-	74	-17.92	64	283	V
2	* 5.35	42.29	Pk	34.9	-18.5	0	58.69	-	-	74	-15.31	64	283	V
3	* 5.35	30.92	RMS	34.9	-18.5	0	47.32	54	-6.68	-	-	64	283	V
4	* 5.353	31.3	RMS	34.9	-18.3	0	47.9	54	-6.1	-	-	64	283	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



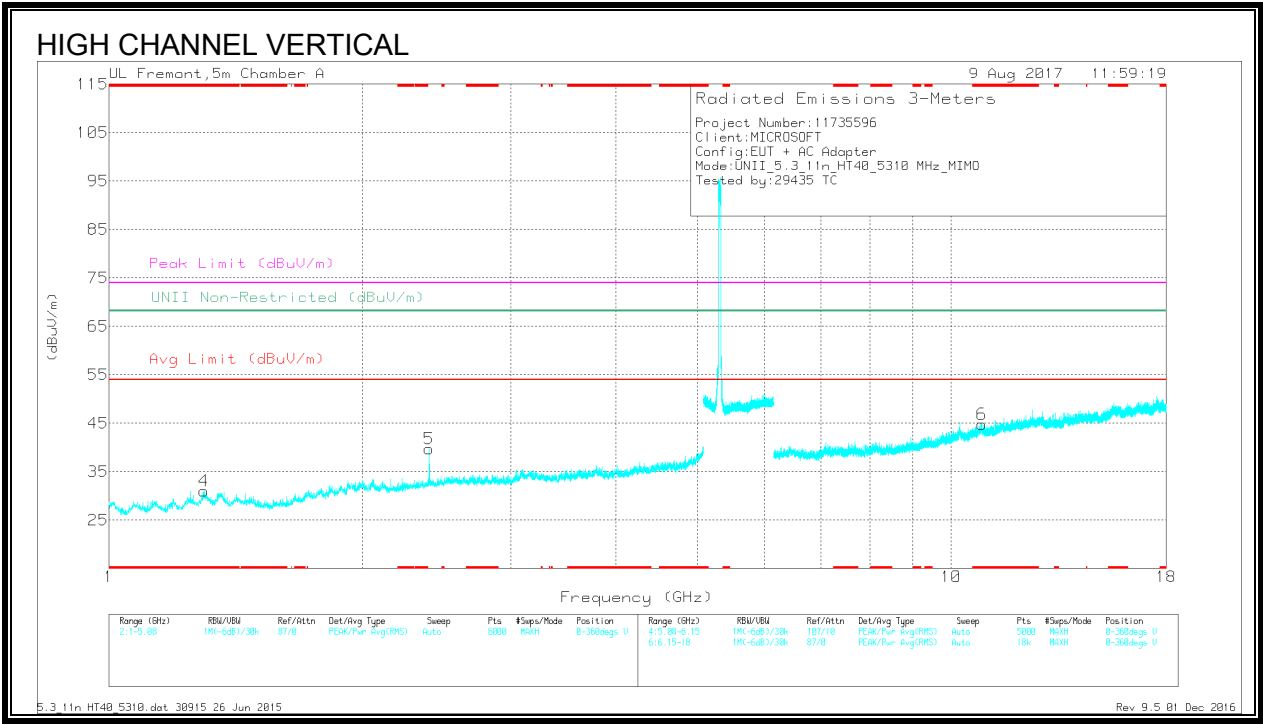
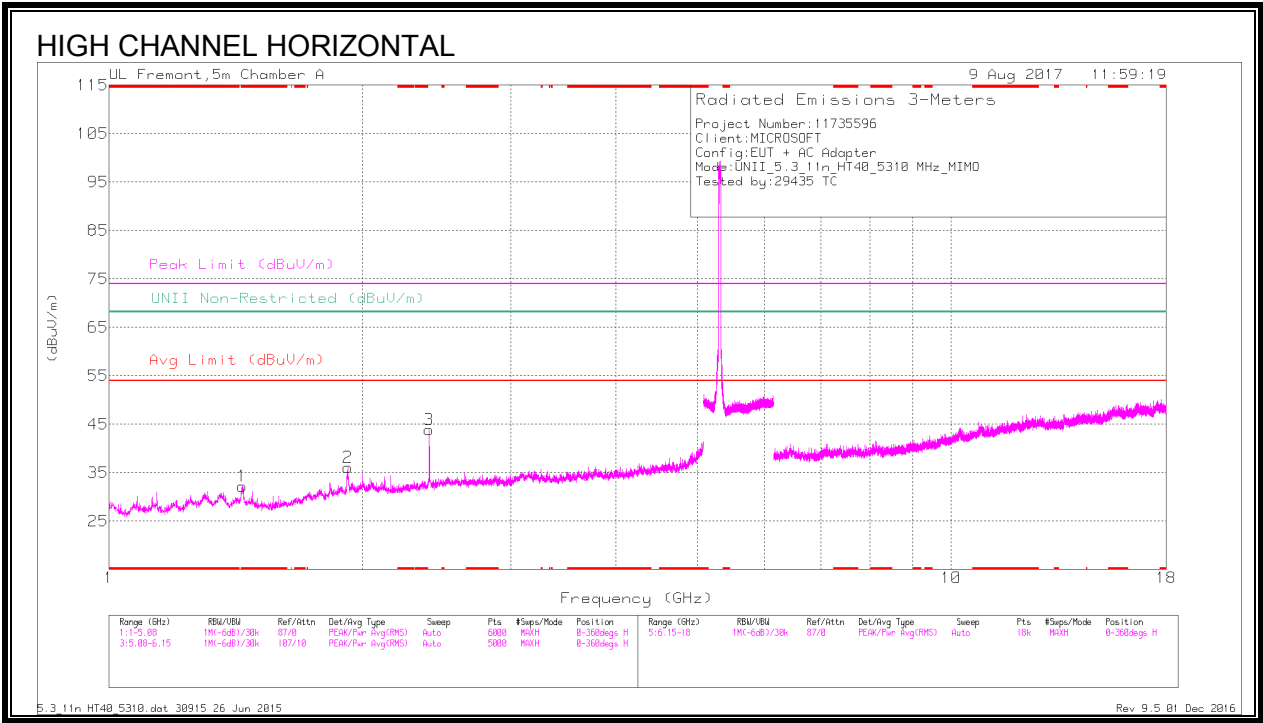
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtz/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
1	* 1.44	49.69	PK-U	28.7	-32.6	45.79	-	-	74	-28.21	-	-	66	153	H
	* 1.44	31.28	ADR	28.7	-32.6	27.38	54	-26.62	-	-	-	-	66	153	H
4	* 1.355	41.13	PK-U	29.4	-32.9	37.63	-	-	74	-36.37	-	-	341	130	V
	* 1.355	29.14	ADR	29.4	-32.9	25.64	54	-28.36	-	-	-	-	341	130	V
6	* 3.786	38.56	PK-U	33.2	-28.9	42.86	-	-	74	-31.14	-	-	2	213	V
	* 3.789	26.28	ADR	33.2	-28.9	30.58	54	-23.42	-	-	-	-	2	213	V
	1.92	35.18	ADR	31.2	-32.7	33.68	-	-	-	-	-	-	312	104	H
2	1.921	51.4	PK-U	31.2	-32.7	49.9	-	-	-	-	68.2	-18.3	312	104	H
3	2.4	55.4	PK-U	31.8	-31.5	55.7	-	-	-	-	68.2	-12.5	356	101	H
5	2.4	47.13	PK-U	31.8	-31.5	47.43	-	-	-	-	68.2	-20.77	279	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Rtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	49.74	PK-U	28.7	-32.6	45.84	-	-	74	-28.16	-	-	91	203	H
	* 1.44	31.42	ADR	28.7	-32.6	27.52	54	-26.48	-	-	-	-	91	203	H
4	* 1.296	40.56	PK-U	29.4	-33.2	36.76	-	-	74	-37.24	-	-	77	261	V
	* 1.298	28.97	ADR	29.4	-33.1	25.27	54	-28.73	-	-	-	-	77	261	V
6	* 10.871	31.63	PK-U	37.9	-19	50.53	-	-	74	-23.47	-	-	3	174	V
	* 10.868	20.24	ADR	37.9	-19	39.14	54	-14.86	-	-	-	-	3	174	V
2	1.921	51.37	PK-U	31.2	-32.7	49.87	-	-	-	-	68.2	-18.33	230	130	H
3	2.4	46.61	PK-U	31.8	-31.5	46.91	-	-	-	-	68.2	-21.29	319	121	V
5	2.401	49.26	PK-U	31.8	-31.5	49.56	-	-	-	-	68.2	-18.64	317	156	H

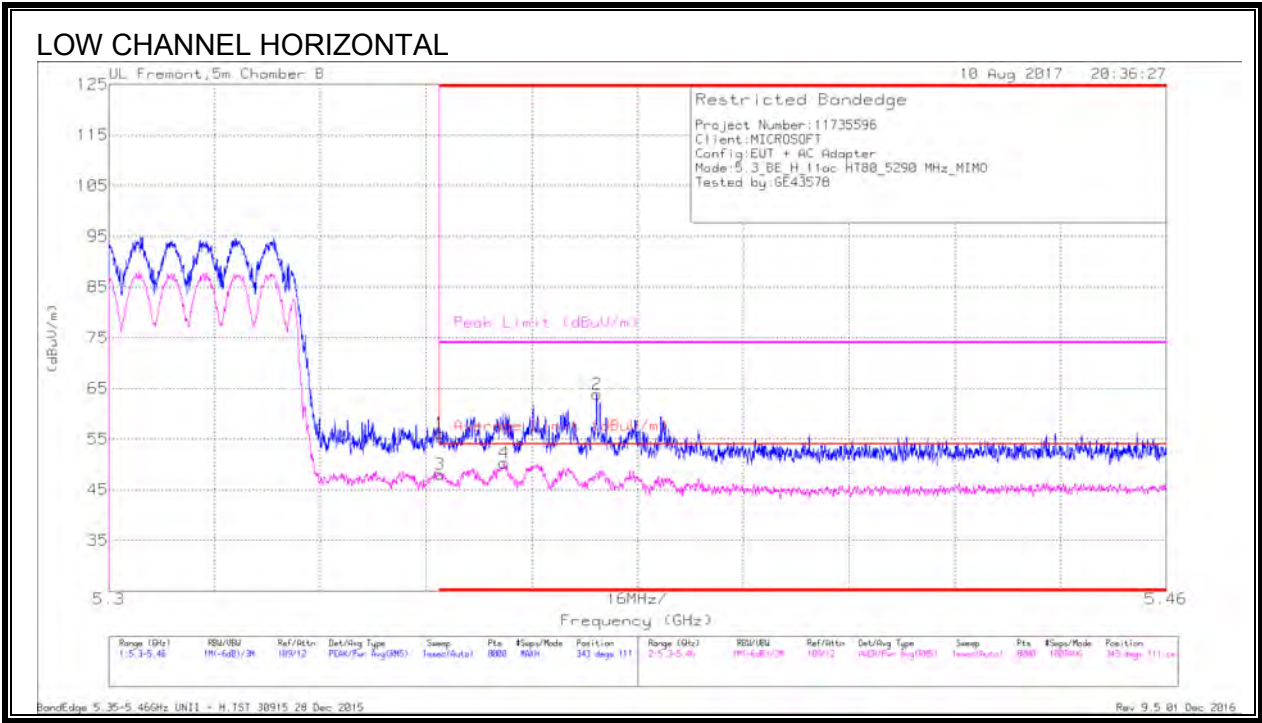
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.8. 11ac VHT80 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



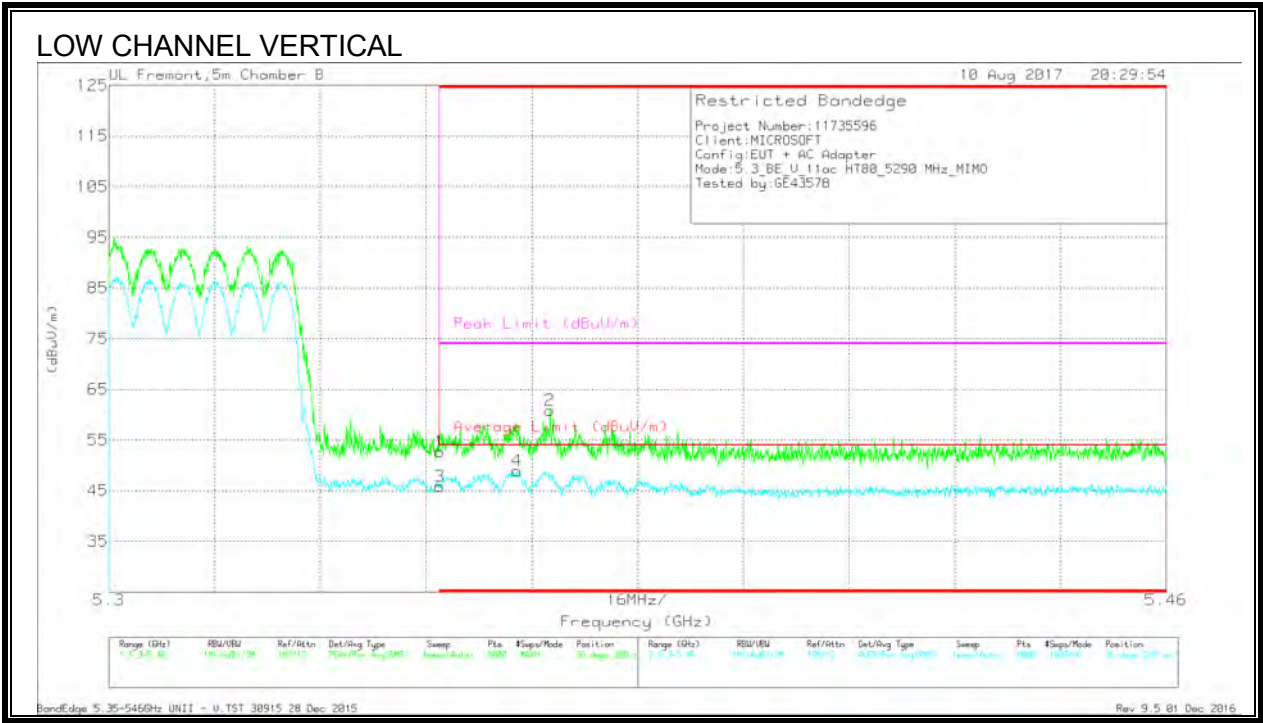
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF TB63 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.35	39.76	Pk	34.9	-18.5	0	56.16	-	-	74	-17.84	343	111	H
2	* 5.374	47.41	Pk	35	-18.6	0	63.81	-	-	74	-10.19	343	111	H
3	* 5.35	31.68	RMS	34.9	-18.5	0	48.08	54	-5.92	-	-	343	111	H
4	* 5.36	34.04	RMS	34.9	-18.6	0	50.34	54	-3.66	-	-	343	111	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

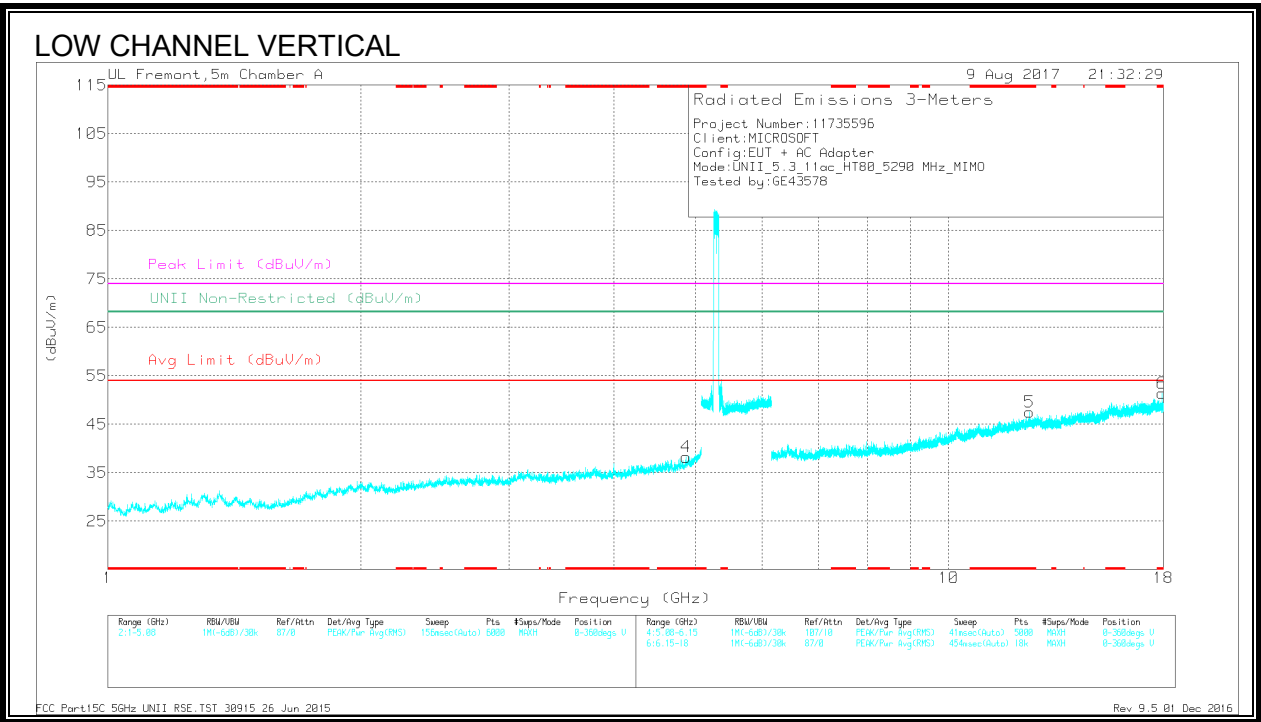
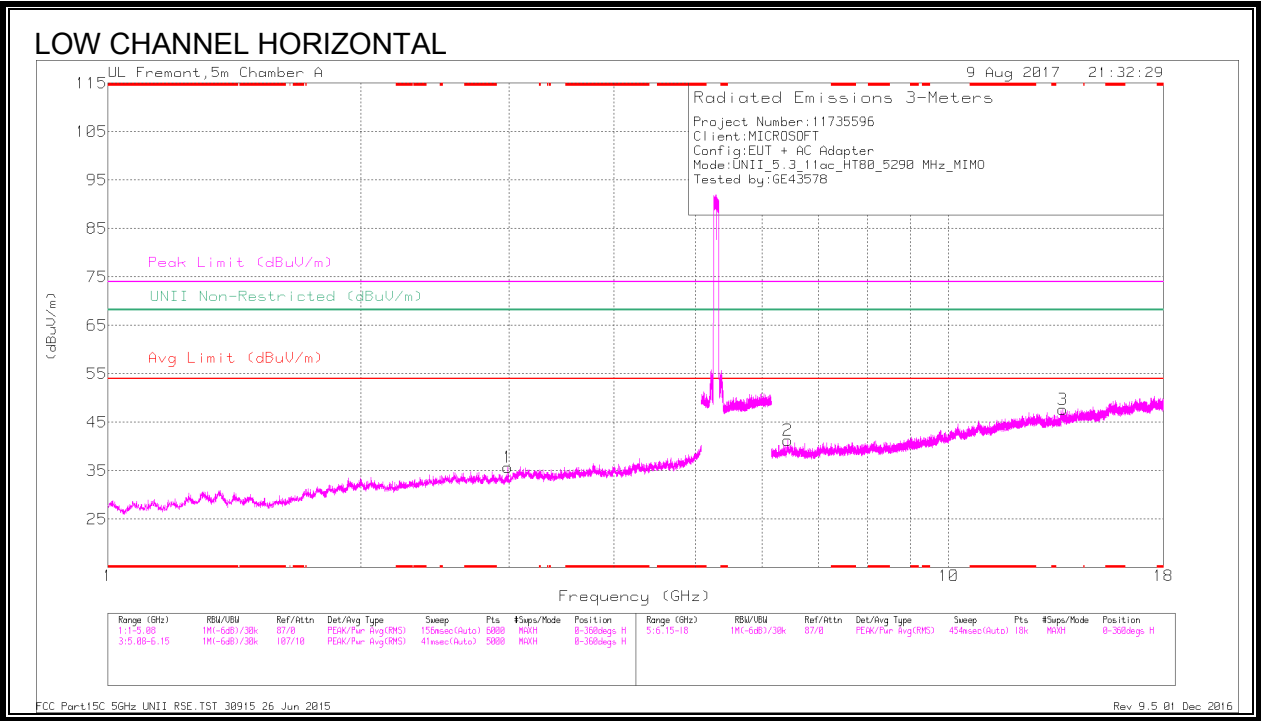
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.335	36.28	Pk	34.9	-18.5	0	52.68	-	-	74	-21.32	36	280	V
2	* 5.367	44.52	Pk	35	-18.7	0	60.82	-	-	74	-13.18	36	280	V
3	* 5.35	29.46	RMS	34.9	-18.5	0	45.86	54	-8.14	-	-	36	280	V
4	* 5.362	32.57	RMS	34.9	-18.6	0	48.87	54	-5.13	-	-	36	280	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1502 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degrees)	Height (m)	Polarity
4	* 4.869	37.95	PK-U	34.1	-27.2	0	44.85	-	-	74	-29.15	-	-	104	199	V
	* 4.868	25.69	ADR	34.1	-27.2	0	32.59	54	-21.41	-	-	-	-	104	199	V
5	* 12.469	32.44	PK-U	39	-18.6	0	52.84	-	-	74	-21.16	-	-	360	102	V
	* 12.469	20.5	ADR	39	-18.6	0	40.9	54	-13.1	-	-	-	-	360	102	V
6	* 17.94	33.48	PK-U	41.2	-18.3	0	56.38	-	-	74	-17.62	-	-	353	102	V
	* 17.94	21.32	ADR	41.2	-18.3	0	44.22	54	-9.78	-	-	-	-	353	102	V
1	2.989	39.31	PK-U	32.3	-31.1	0	40.51	-	-	-	-	68.2	-27.69	181	199	H
2	6.441	34.85	PK-U	35.8	-23.7	0	46.95	-	-	-	-	68.2	-21.25	69	199	H
3	13.659	33.74	PK-U	39.3	-19.8	0	53.24	-	-	-	-	68.2	-14.96	221	199	H

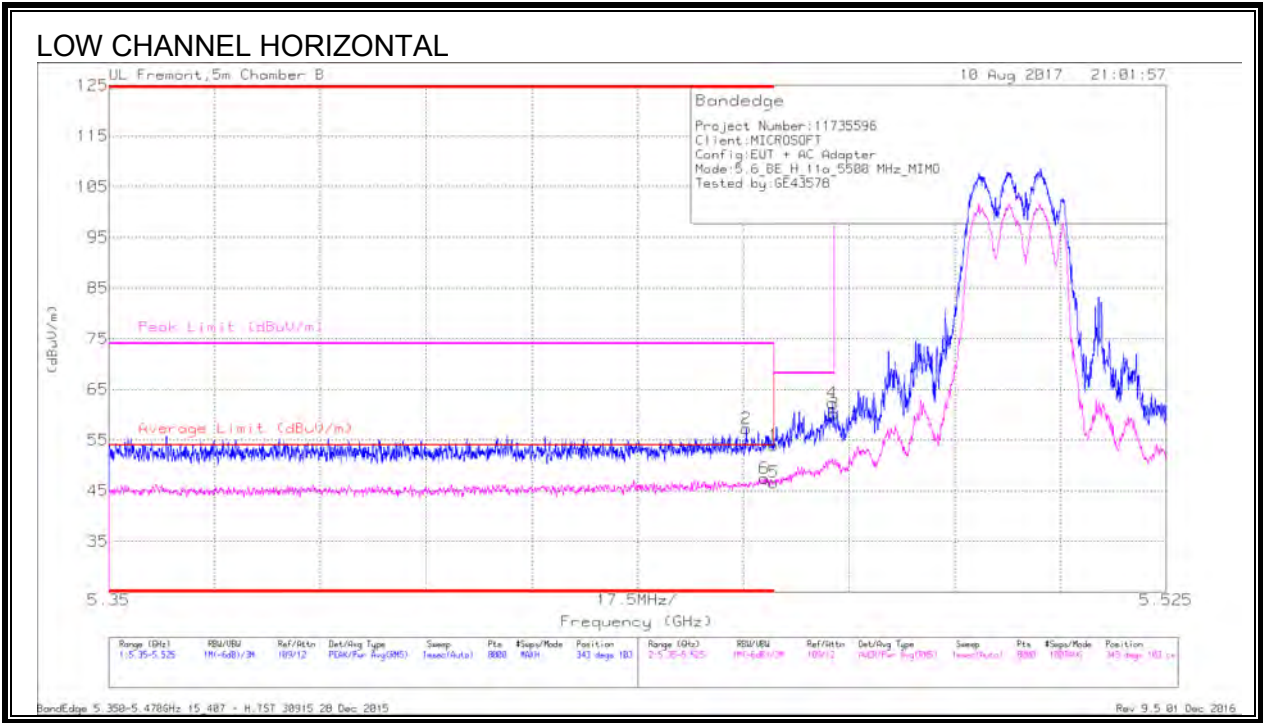
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

10.1.9. 11a 2TX MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



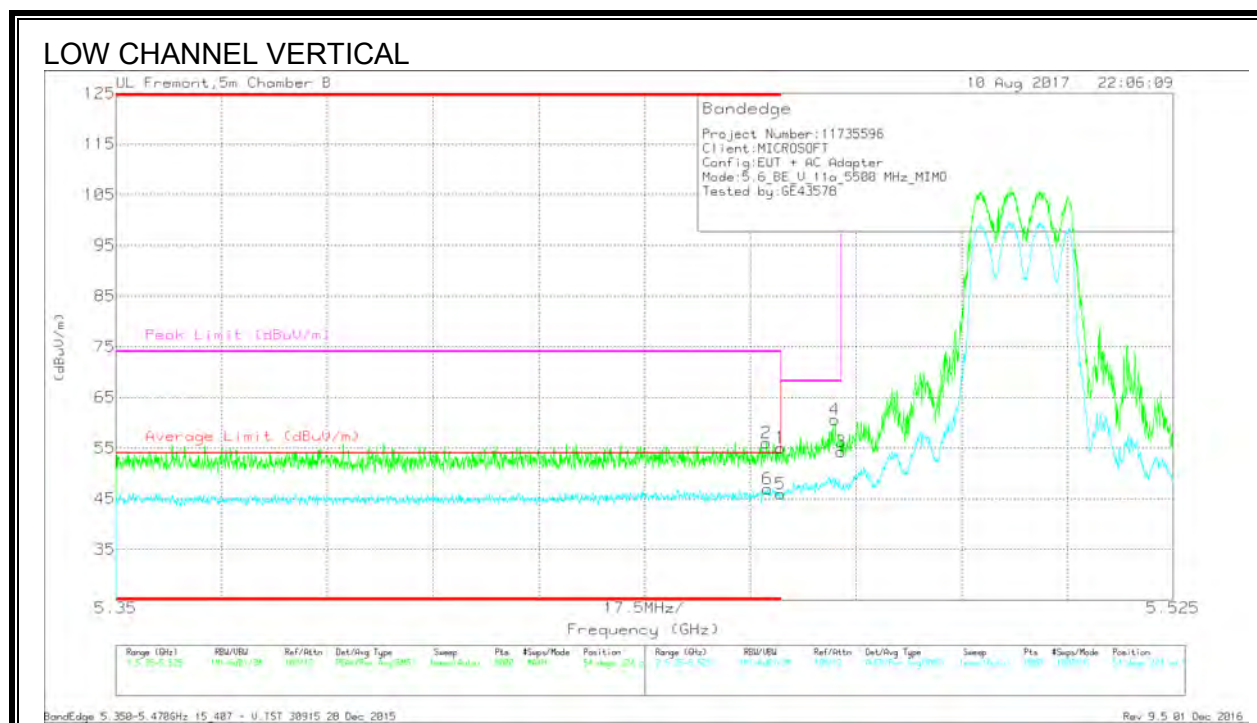
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.46	37.61	Pk	35.2	-18.9	0	53.91	-	-	74	-20.09	343	103	H
2	* 5.455	41.05	Pk	35.2	-19	0	57.25	-	-	74	-16.75	343	103	H
5	* 5.46	30.33	RMS	35.2	-18.9	0	46.63	54	-7.37	-	-	343	103	H
6	* 5.458	31.06	RMS	35.2	-18.8	0	47.46	54	-6.54	-	-	343	103	H
3	5.47	43.97	Pk	35.2	-18.9	0	60.27	-	-	68.2	-7.93	343	103	H
4	5.47	46.01	Pk	35.2	-18.9	0	62.31	-	-	68.2	-5.89	343	103	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection



Trace Markers

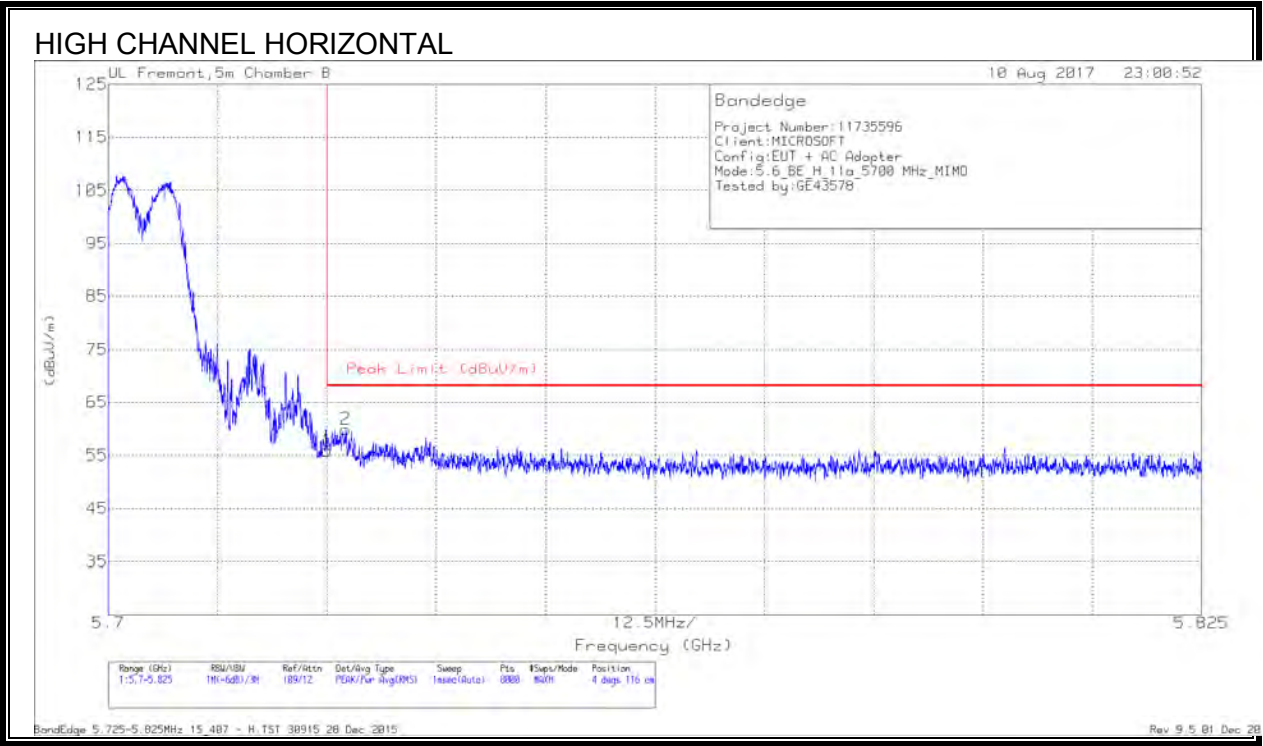
Marker	Frequency (GHz)	Meter Reading (dBmV)	Det	AF T863 (dBm)	Amp/Cb/Flt/Pad (dB)	DC Con (dB)	Corrected Reading (dBmV/m)	Average Limit (dBuV/m)	Margn (dB)	Peak Limit (dBuV/m)	PK Margn (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	38.77	Pk	35.2	-18.9	0	55.07	-	-	74	-18.93	54	224	V
2	* 5.458	39.65	Pk	35.2	-18.8	0	56.05	-	-	74	-17.95	54	224	V
5	* 5.46	29.69	RMS	35.2	-18.9	0	45.99	54	-8.01	-	-	54	224	V
6	* 5.458	30.53	RMS	35.2	-18.8	0	46.93	54	-7.07	-	-	54	224	V
4	5.469	44.3	Pk	35.2	-18.9	0	60.6	-	-	68.2	-7.6	54	224	V
3	5.47	37.97	Pk	35.2	-18.9	0	54.27	-	-	68.2	-13.93	54	224	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

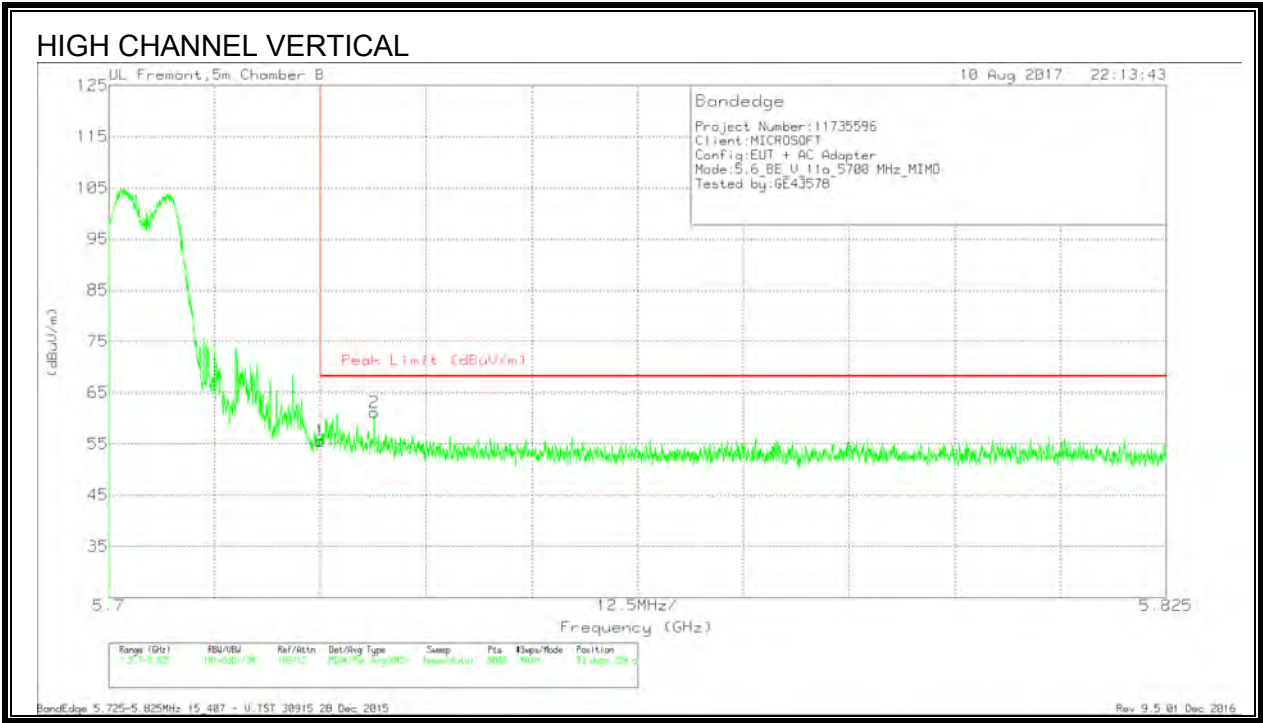
AUTHORIZED BANDEDGE (HIGH CHANNEL)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.38	Pk	35	-19.5	55.88	68.2	-12.32	4	116	H
2	5.727	44.43	Pk	35	-19.5	59.93	68.2	-8.27	4	116	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector



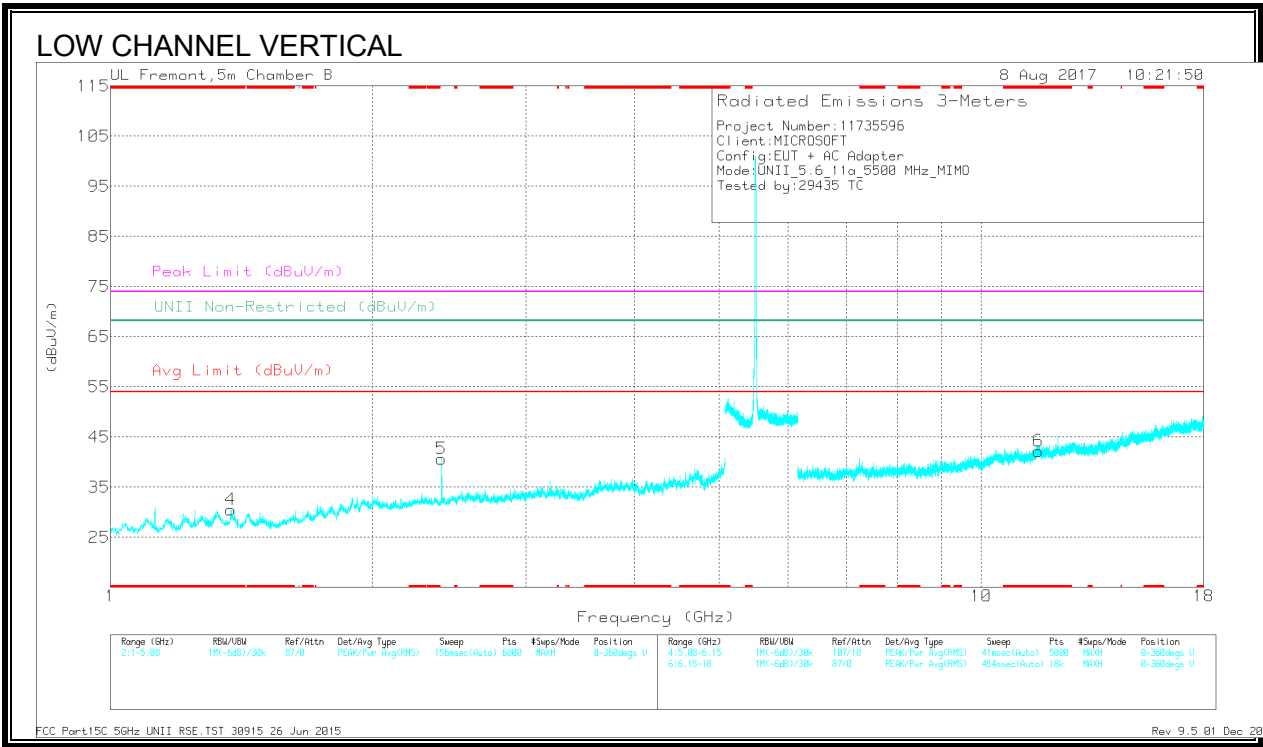
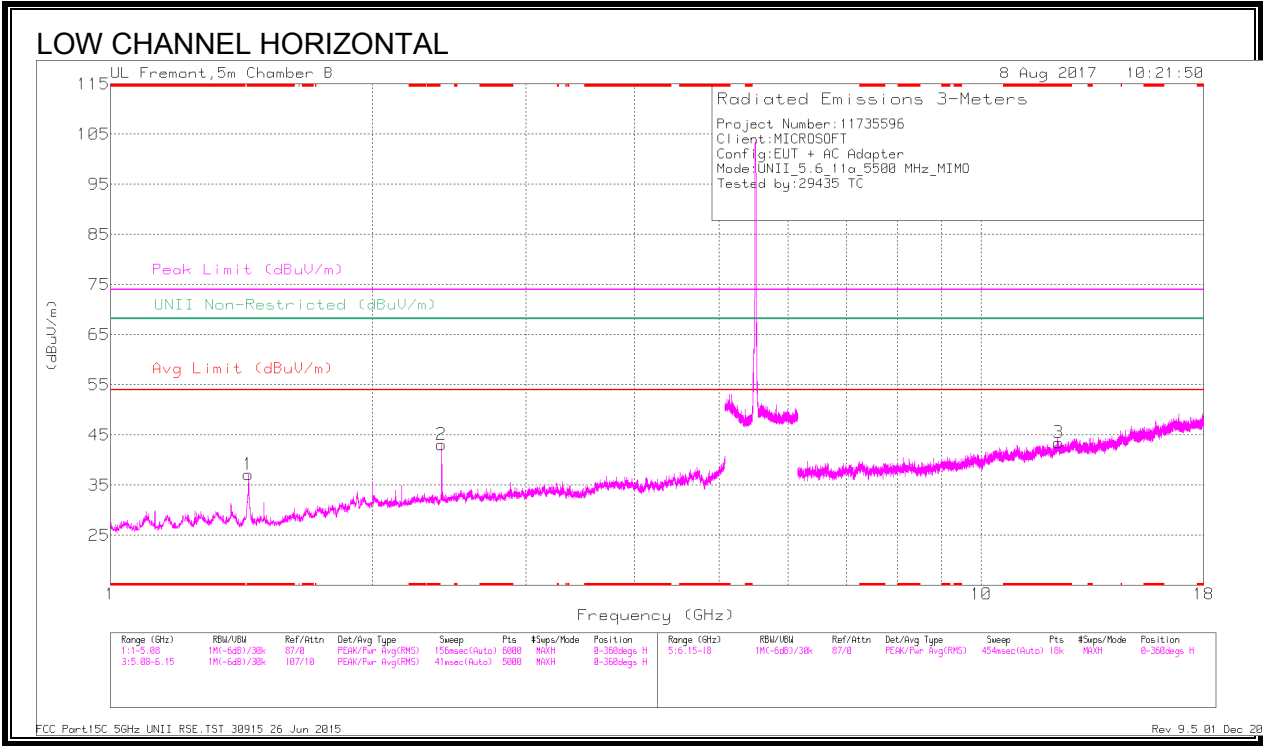
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40	Pk	35	-19.5	55.5	68.2	-12.7	93	259	V
2	5.731	45.55	Pk	35	-19.4	61.15	68.2	-7.05	93	259	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Trace Markers

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.441	42.21	Pk	28.3	-33.4	37.11	-	-	74	-36.89	-	-	0-360	102	H
4	* 1.375	35.26	Pk	28.5	-33.3	30.46	-	-	74	-43.54	-	-	0-360	199	V
3	* 12.268	26.48	Pk	39.1	-22.1	43.48	-	-	74	-30.52	-	-	0-360	102	H
6	* 11.63	26.02	Pk	38.3	-22.1	42.22	-	-	74	-31.78	-	-	0-360	102	V
2	2.4	43.67	Pk	32	-32.6	43.07	-	-	-	-	68.2	-25.13	0-360	199	H
5	2.4	41.28	Pk	32	-32.6	40.68	-	-	-	-	68.2	-27.52	0-360	102	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

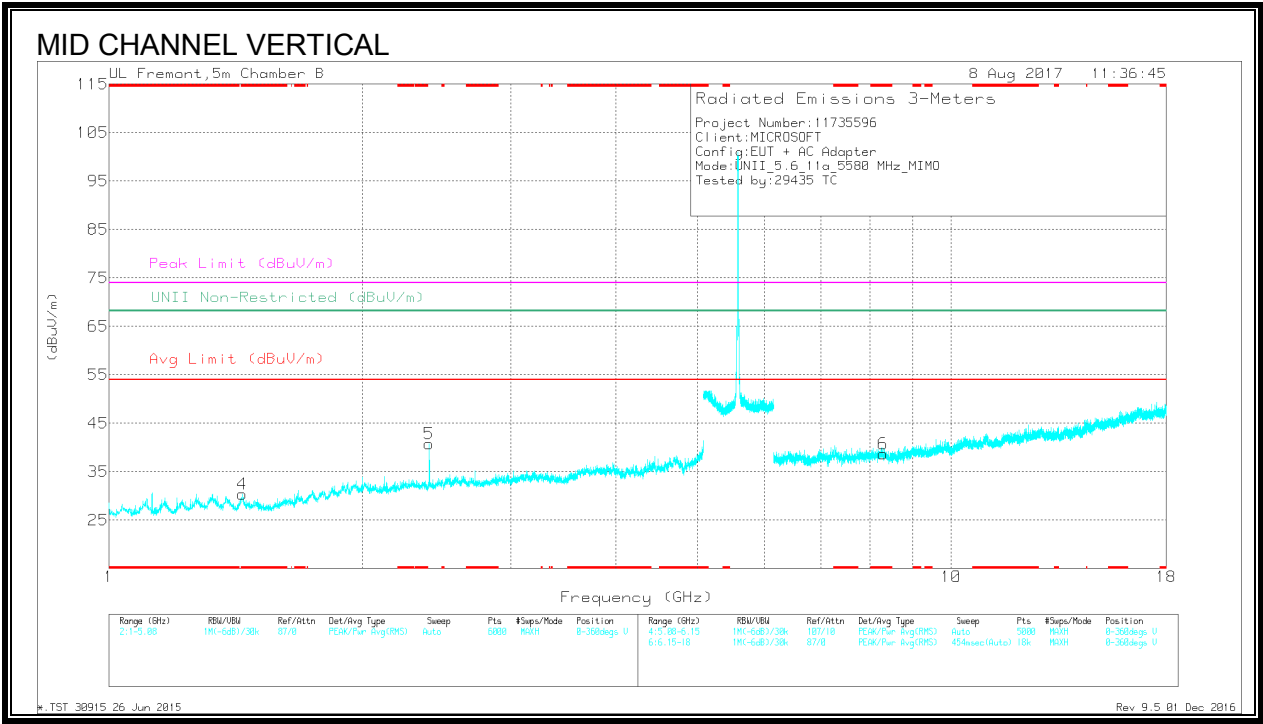
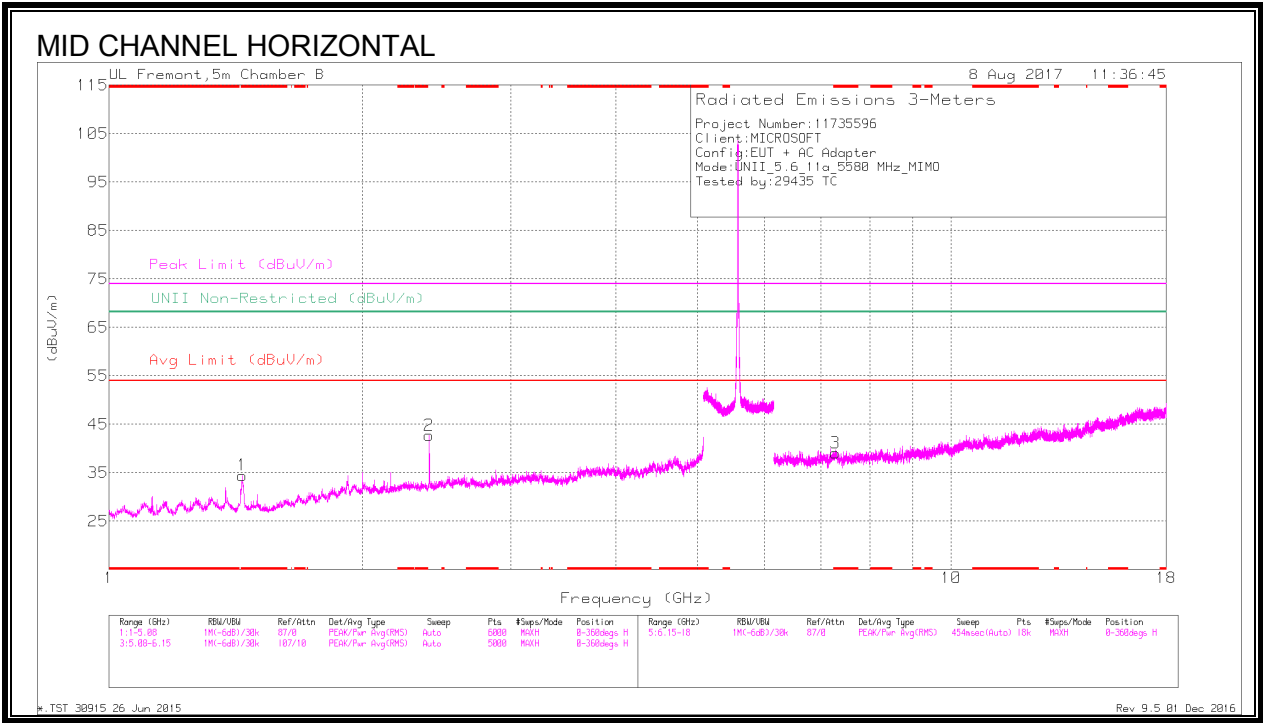
Radiated Emissions

Marker	Frequency (Ghz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Chl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	54.88	PK-U	28.3	-33.4	49.78	-	-	74	-24.22	-	-	263	175	H
	* 1.44	35.21	ADR	28.3	-33.4	30.11	54	-23.89	-	-	-	-	263	175	H
4	* 1.375	42.18	PK-U	28.5	-33.3	37.38	-	-	74	-36.62	-	-	214	266	V
	* 1.375	32.31	ADR	28.5	-33.3	27.51	54	-26.49	-	-	-	-	214	266	V
3	* 12.266	32.56	PK-U	39.1	-22.1	49.56	-	-	74	-24.44	-	-	358	135	H
	* 12.269	20.92	ADR	39.1	-22.1	37.92	54	-16.08	-	-	-	-	358	135	H
6	* 11.629	32.85	PK-U	38.3	-22.1	49.05	-	-	74	-24.95	-	-	3	149	V
	* 11.63	21.01	ADR	38.3	-22.1	37.21	54	-16.79	-	-	-	-	3	149	V
2	2.4	50.13	PK-U	32	-32.6	49.53	-	-	-	-	68.2	-18.67	209	136	H
5	2.4	46.38	PK-U	32	-32.6	45.78	-	-	-	-	68.2	-22.42	265	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



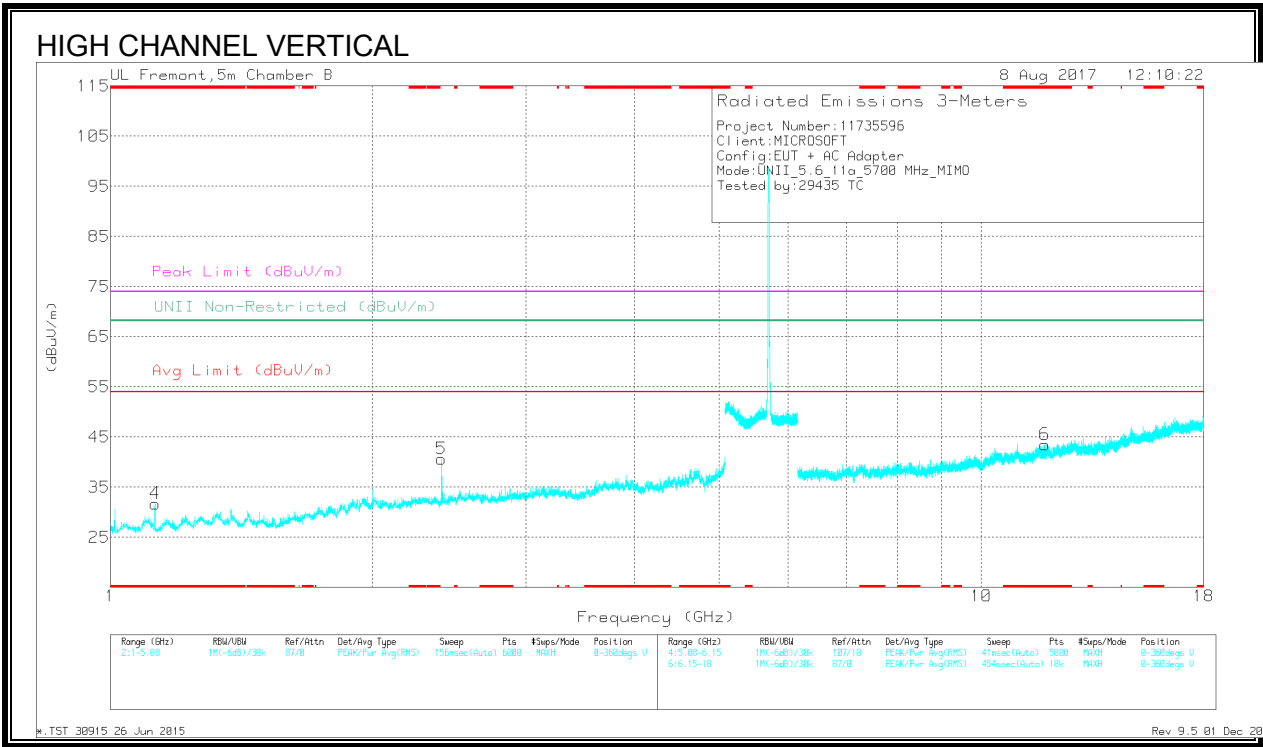
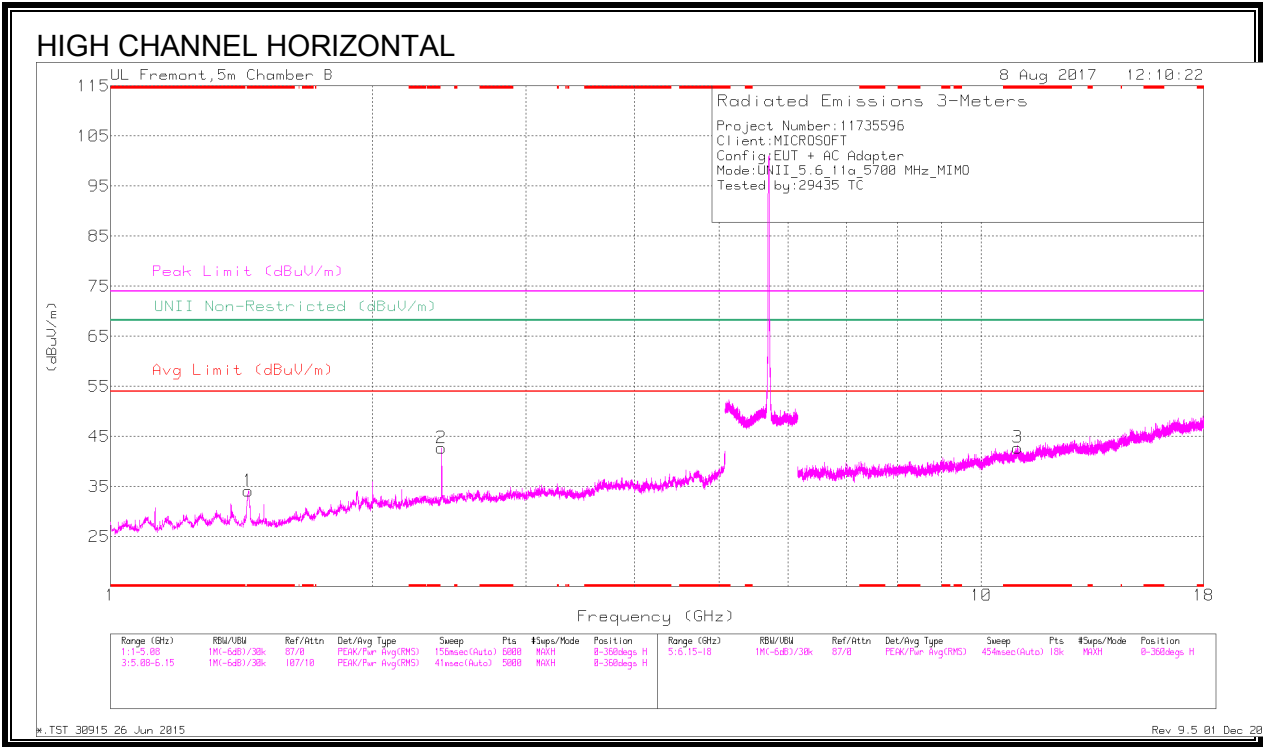
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	53.07	PK-U	28.3	-33.4	47.97	-	-	74	-26.03	-	-	261	342	H
	* 1.44	34.12	ADR	28.3	-33.4	29.02	54	-24.98	-	-	-	-	261	342	H
4	* 1.44	51.8	PK-U	28.3	-33.4	46.7	-	-	74	-27.3	-	-	54	327	V
	* 1.44	33.46	ADR	28.3	-33.4	28.36	54	-25.64	-	-	-	-	54	327	V
3	* 7.287	35.84	PK-U	35.8	-26	45.64	-	-	74	-28.36	-	-	142	128	H
	* 7.286	24.59	ADR	35.8	-26	34.39	54	-19.61	-	-	-	-	142	128	H
6	* 8.302	35.13	PK-U	36.1	-26.1	45.13	-	-	74	-28.87	-	-	103	189	V
	* 8.304	24.02	ADR	36.1	-26.1	34.02	54	-19.98	-	-	-	-	103	189	V
2	2.4	49.1	PK-U	32	-32.6	48.5	-	-	-	-	68.2	-19.7	145	104	H
5	2.401	45.29	PK-U	32	-32.6	44.69	-	-	-	-	68.2	-23.51	201	105	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.44	53.92	PK-U	28.3	-33.4	48.82	-	-	74	-25.18	-	-	62	143	H
	* 1.44	34.75	ADR	28.3	-33.4	29.65	54	-24.35	-	-	-	-	62	143	H
4	* 1.125	41.13	PK-U	27.6	-33.9	34.83	-	-	74	-39.17	-	-	275	389	V
	* 1.125	29.6	ADR	27.6	-33.9	23.3	54	-30.7	-	-	-	-	275	389	V
3	* 11.002	32.74	PK-U	37.7	-21.5	48.94	-	-	74	-25.06	-	-	309	221	H
	* 11.002	21.32	ADR	37.7	-21.5	37.52	54	-16.48	-	-	-	-	309	221	H
6	* 11.833	33.17	PK-U	38.6	-22.8	48.97	-	-	74	-25.03	-	-	26	138	V
	* 11.833	21.28	ADR	38.6	-22.8	37.08	54	-16.92	-	-	-	-	26	138	V
2	2.4	44.92	PK-U	32	-32.6	44.32	-	-	-	-	68.2	-23.88	262	375	V
5	2.401	49.75	PK-U	32	-32.6	49.15	-	-	-	-	68.2	-19.05	209	138	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HARMONICS AND SPURIOUS EMISSIONS

