

9.11.3. 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.

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

The measurement methods used for output power is KDB 789033 D02 v01r04, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v01r04, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v01r04, Section F

DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.89	3.77	4.37	7.36

RESULTS

ID:	37699 CS	Date:	08/18/2017
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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	41	36.21	4.37	7.36
Mid	5550	40.8	36.18	4.37	7.36
High	5670	40.8	36.24	4.37	7.36
142	5710	35.4	33.10	4.37	7.36

Limits

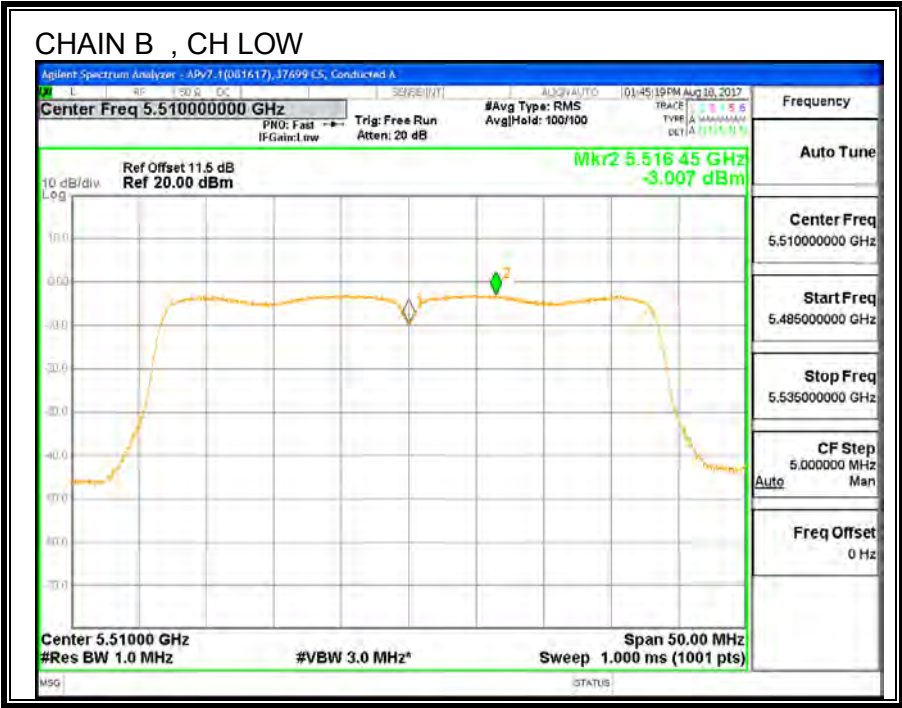
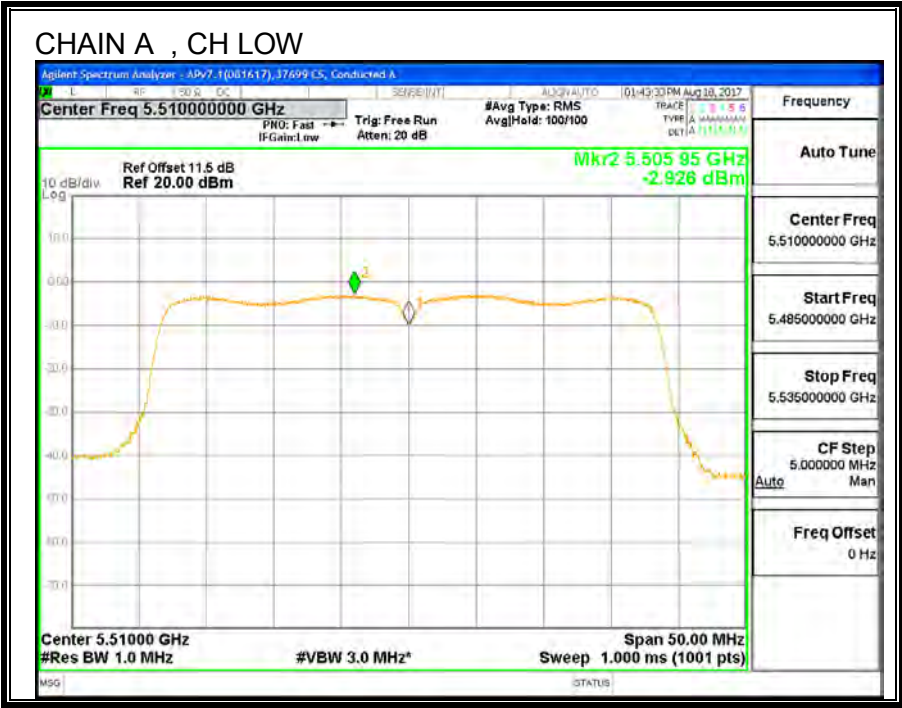
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
Low	5510	24.00	24.00	30.00	24.00	9.64	11.00	9.64
Mid	5550	24.00	24.00	30.00	24.00	9.64	11.00	9.64
High	5670	24.00	24.00	30.00	24.00	9.64	11.00	9.64
142	5710	24.00	24.00	30.00	24.00	9.64	11.00	9.64

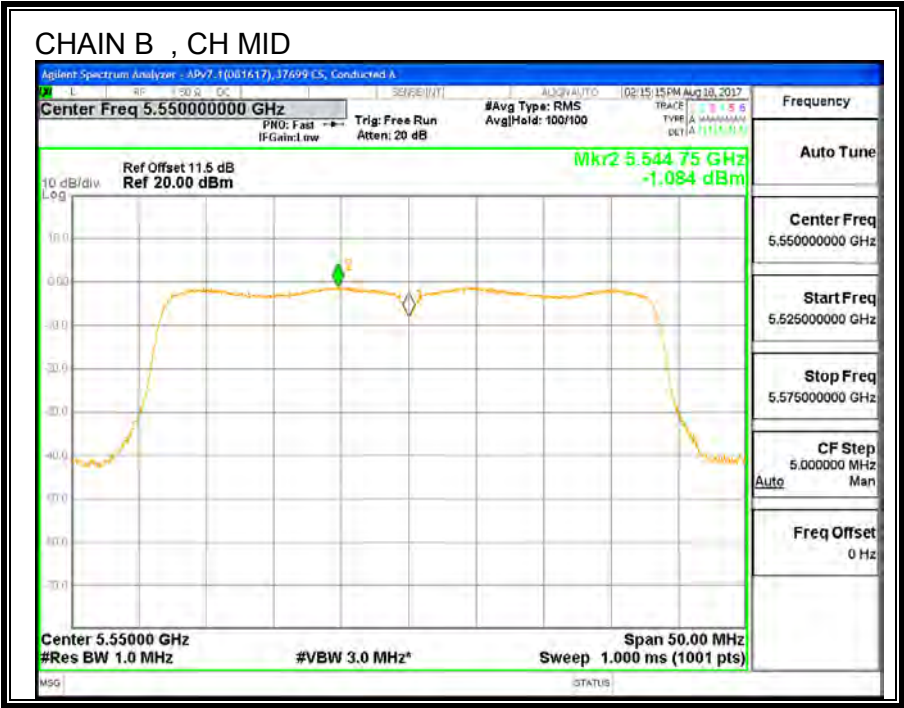
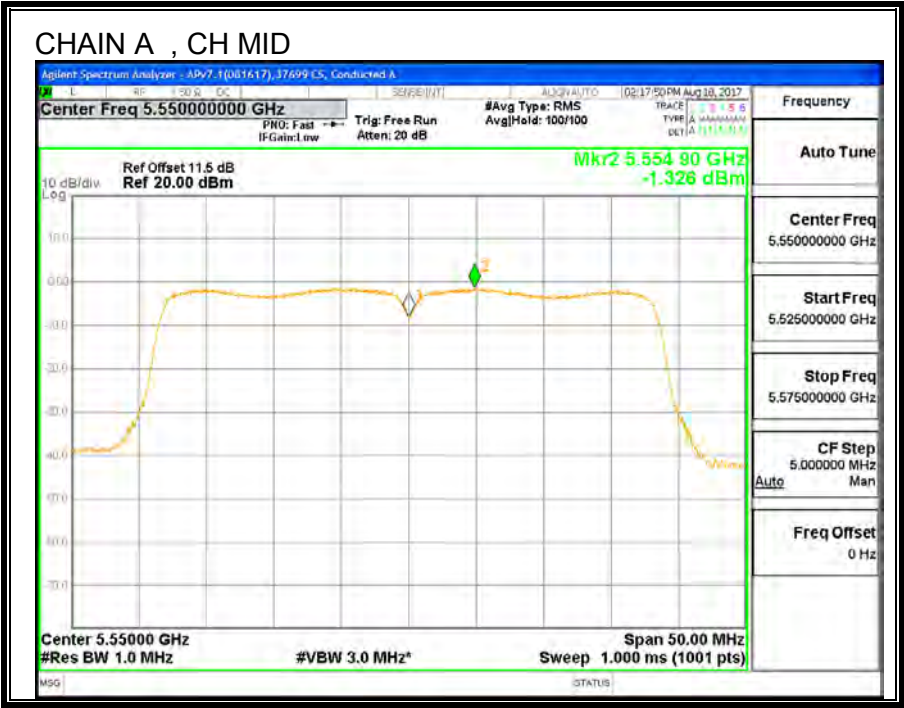
Output Power Results

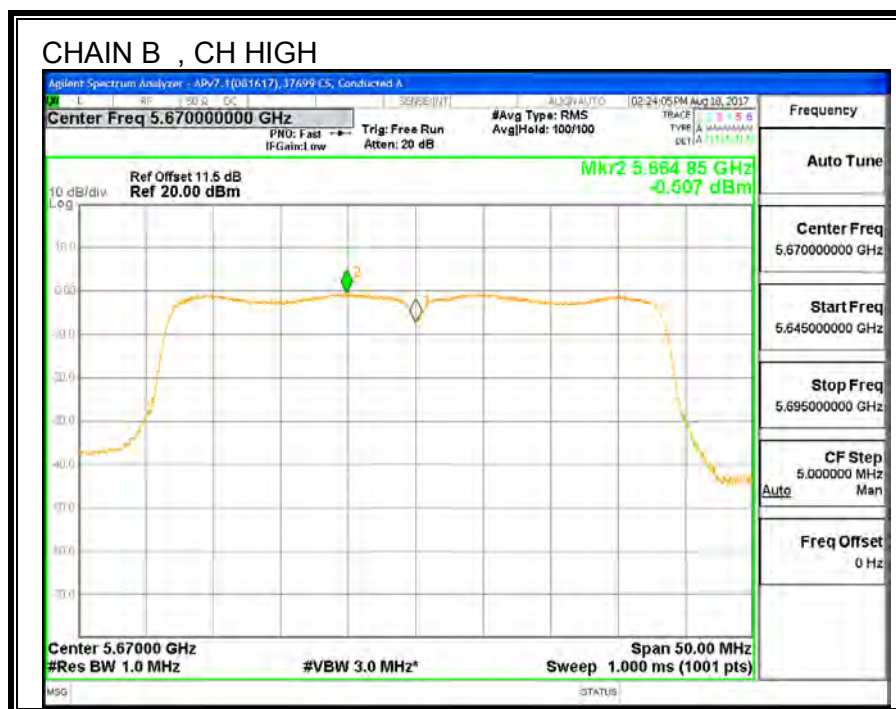
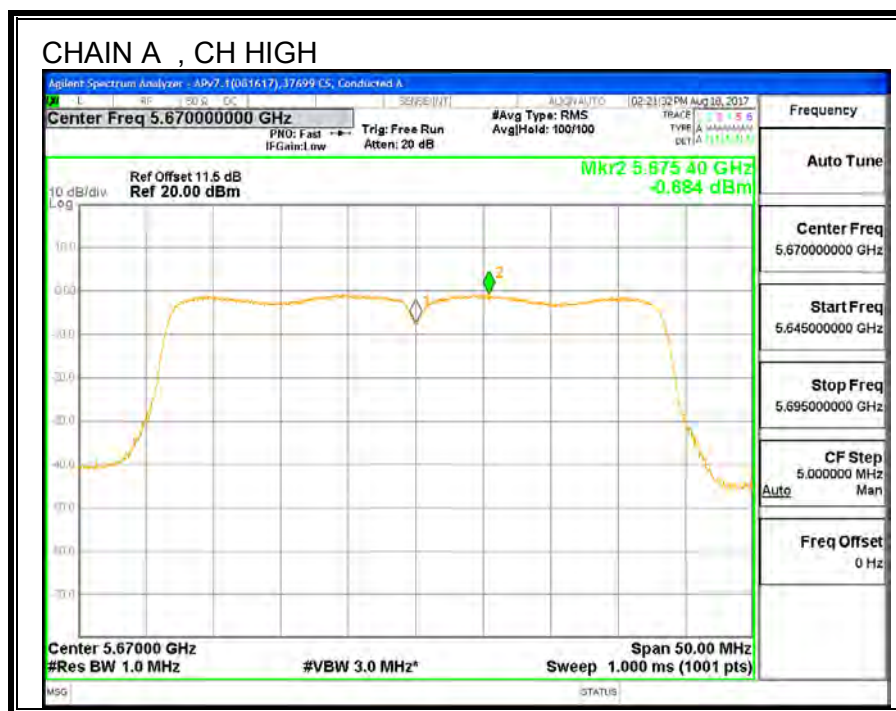
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	10.12	10.28	13.21	24.00	-10.79
Mid	5550	12.15	12.21	15.19	24.00	-8.81
High	5670	12.21	12.23	15.23	24.00	-8.77
142	5710	12.84	12.92	15.89	24.00	-8.11

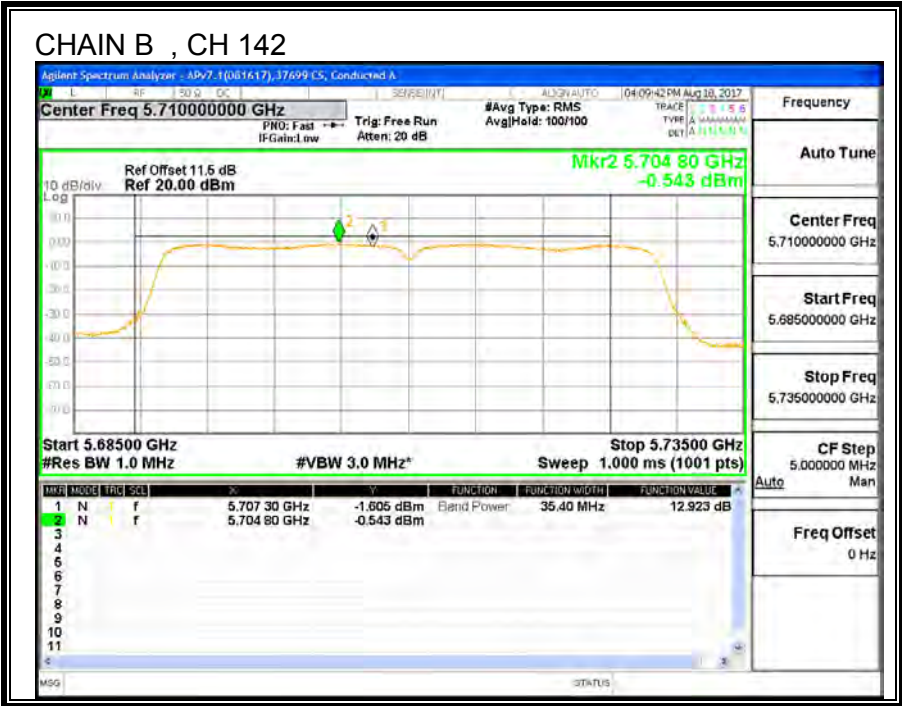
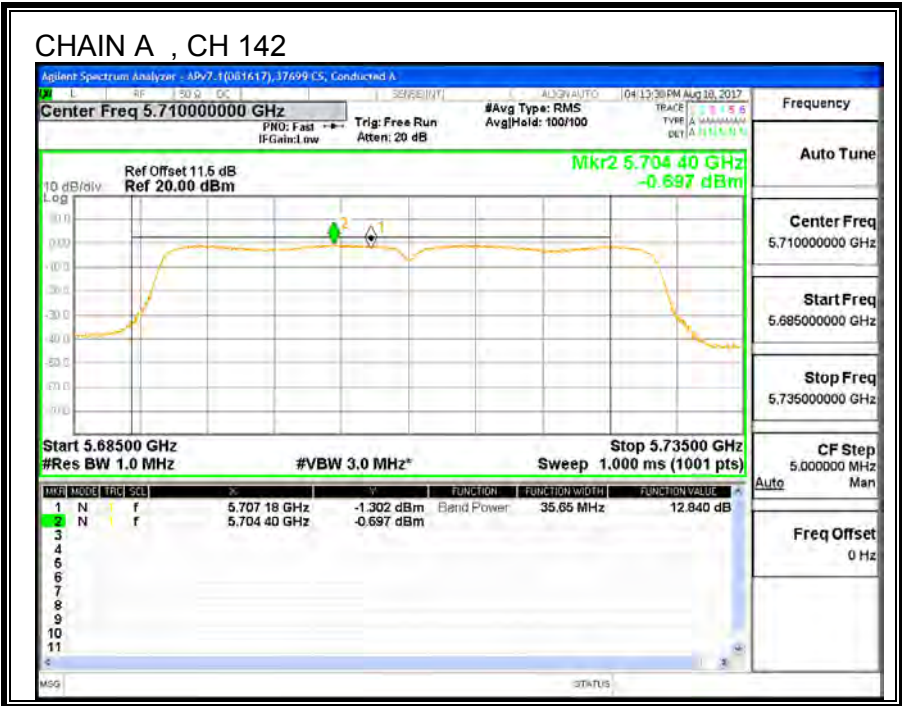
PPSD Results

Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5510	-2.93	-3.01	0.04	9.64	-9.60
Mid	5550	-1.33	-1.08	1.81	9.64	-7.83
High	5670	-0.68	-0.507	2.42	9.64	-7.23
142	5710	-0.70	-0.54	2.39	9.64	-7.25









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

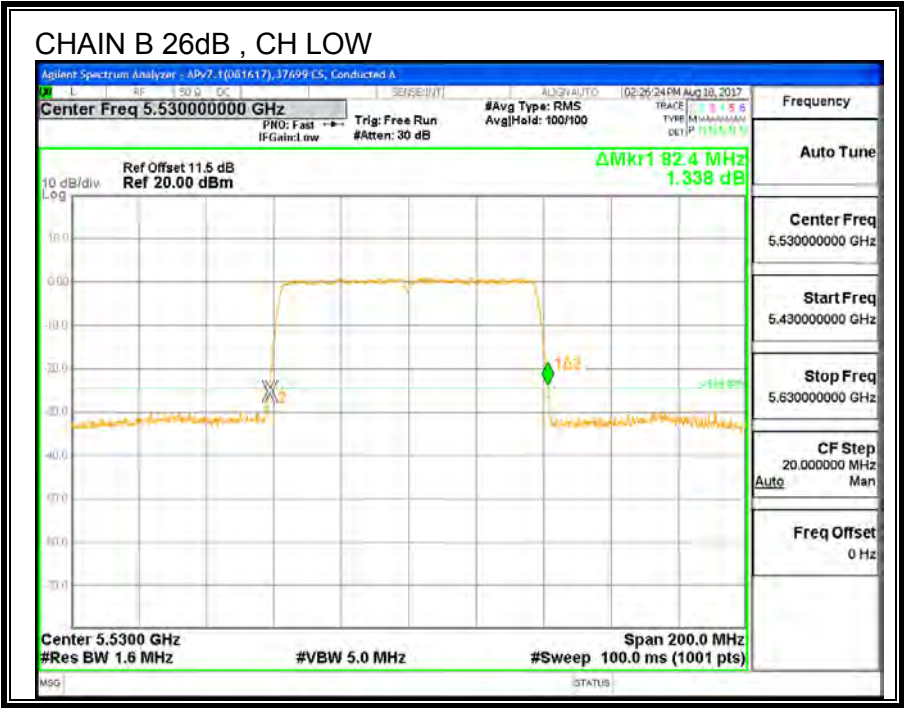
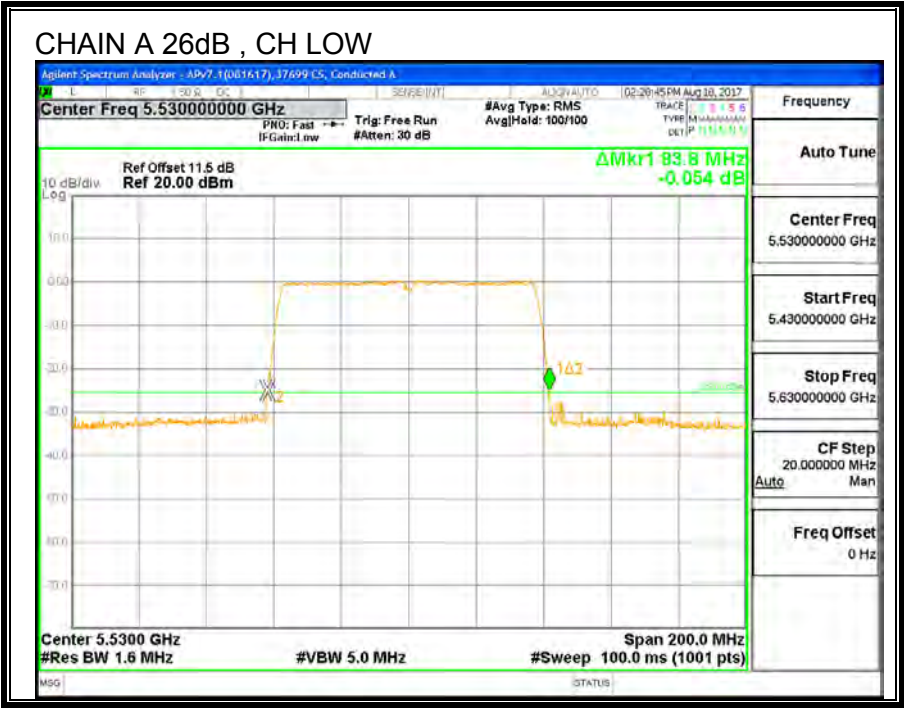
9.12.1. 26 dB BANDWIDTH

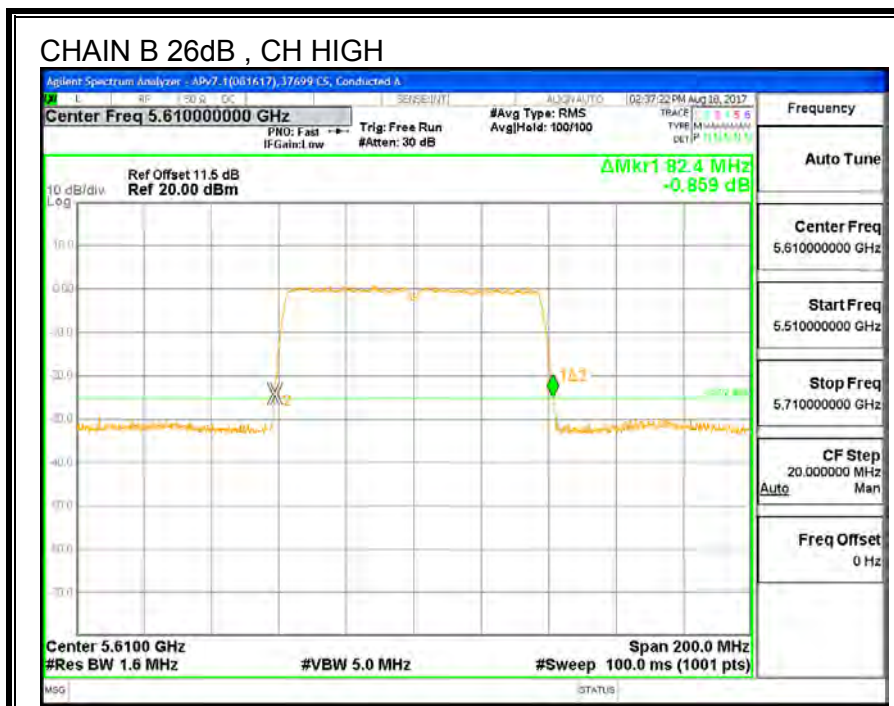
LIMITS

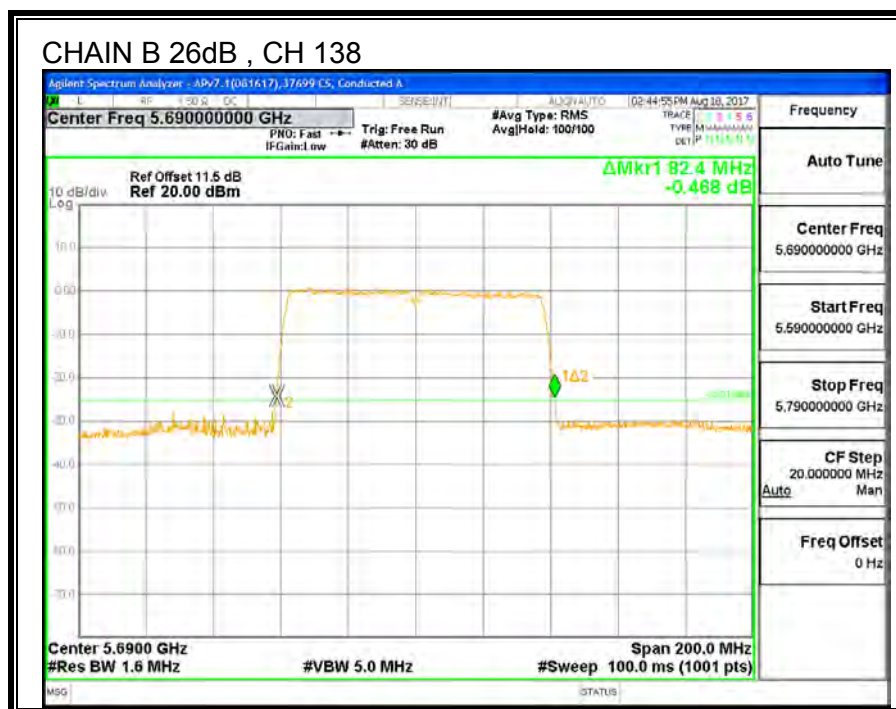
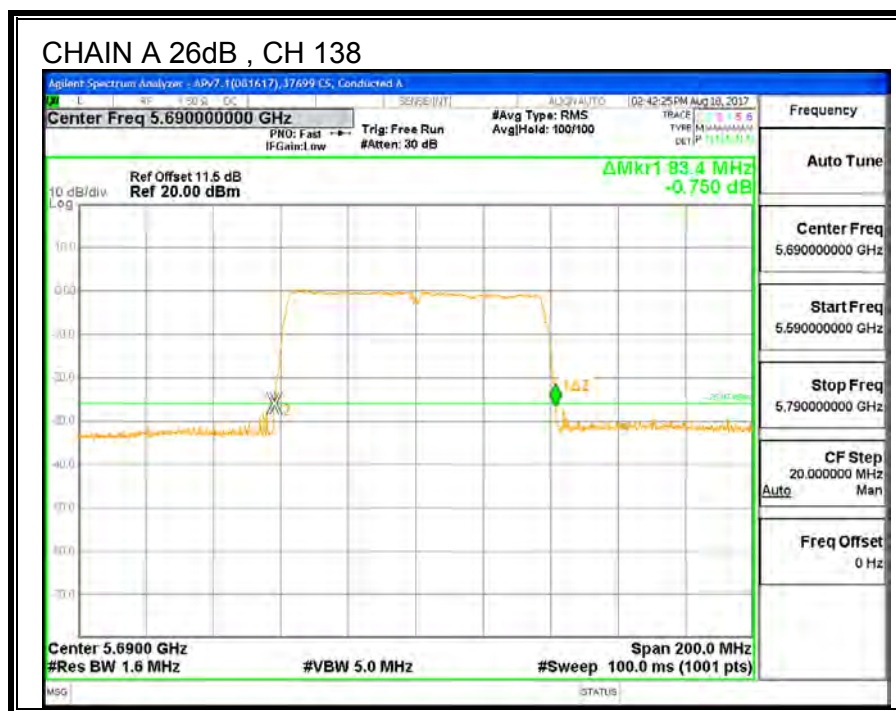
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW CHAIN A (MHz)	26 dB BW CHAIN B (MHz)
Low	5530	83.8	82.4
High	5610	83.6	82.4
138	5690	83.4	82.4







9.12.2. 99% BANDWIDTH

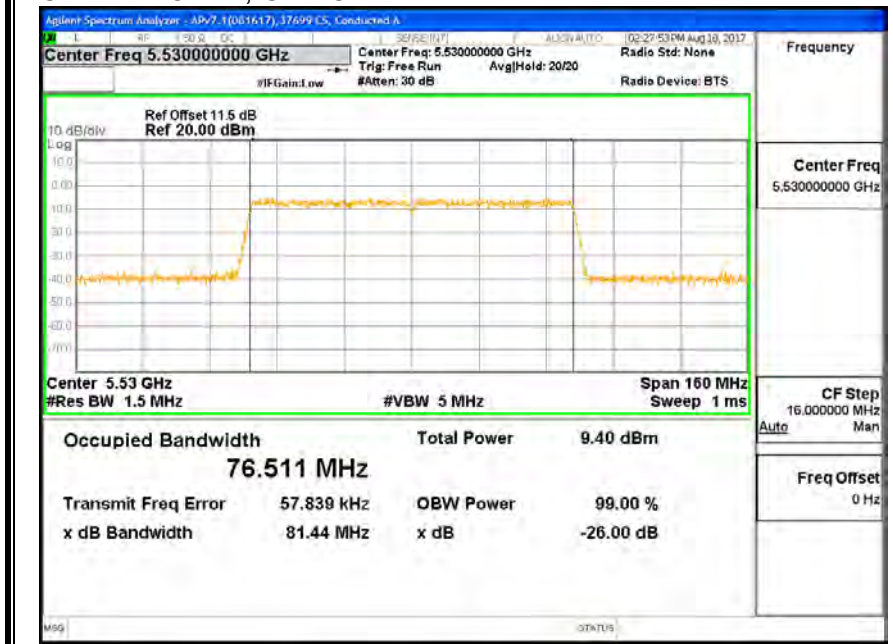
LIMITS

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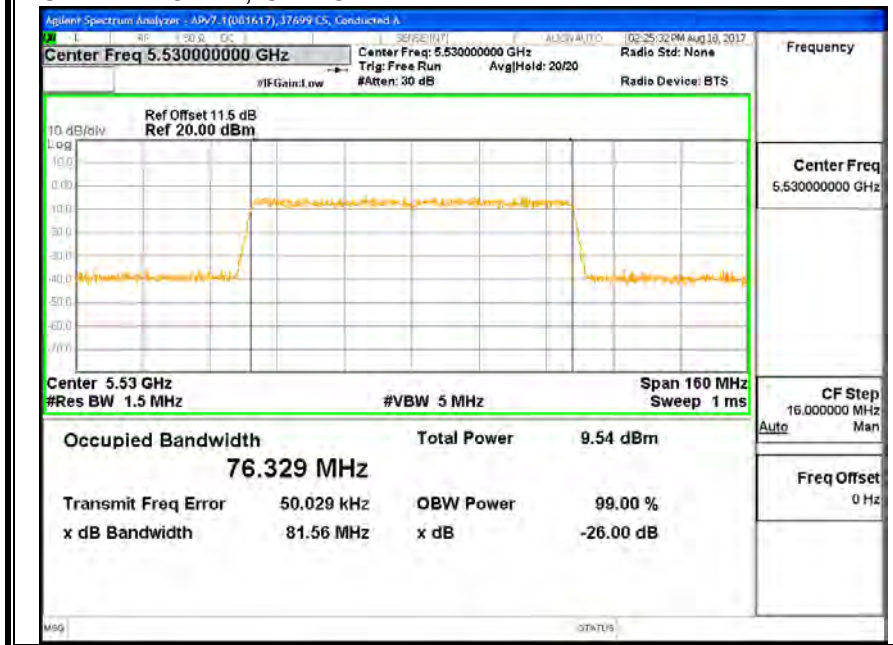
RESULTS

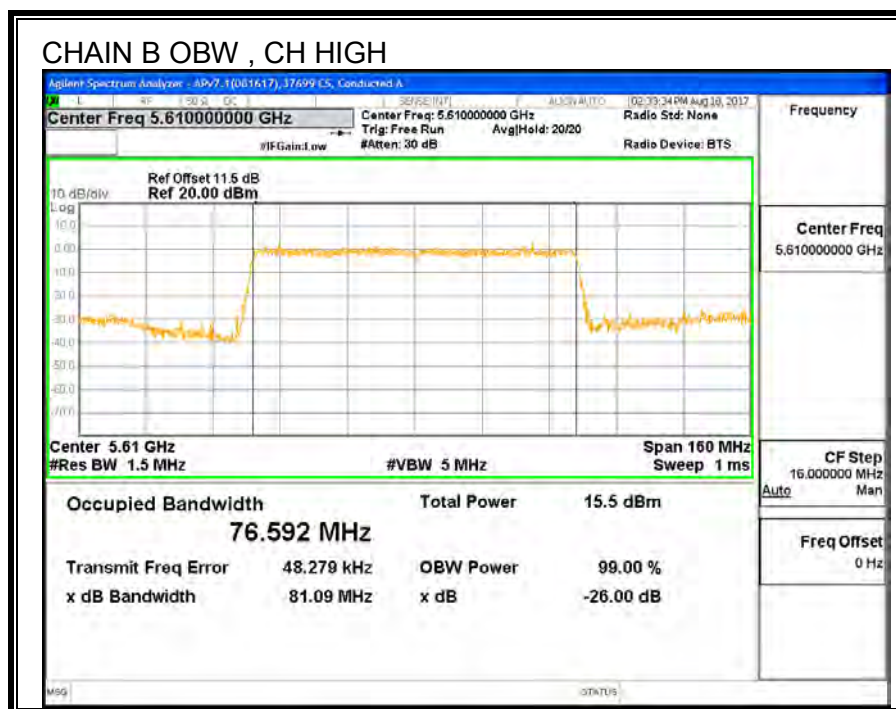
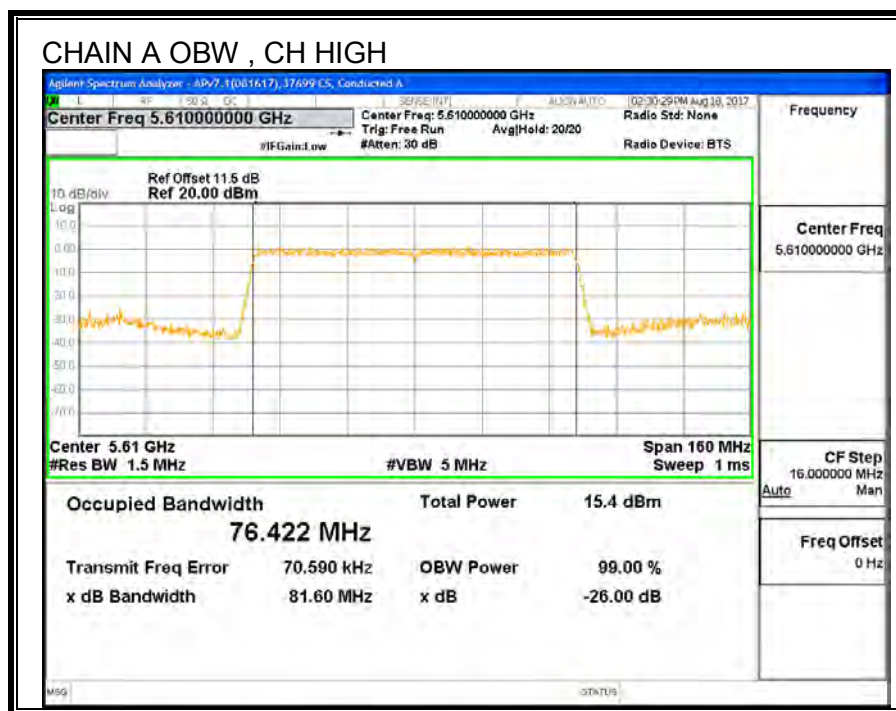
Channel	Frequency	99% BW CHAIN A (MHz)	99% BW CHAIN B (MHz)
Low	5530	76.511	76.329
High	5610	76.422	76.592
138	5690	76.505	76.307

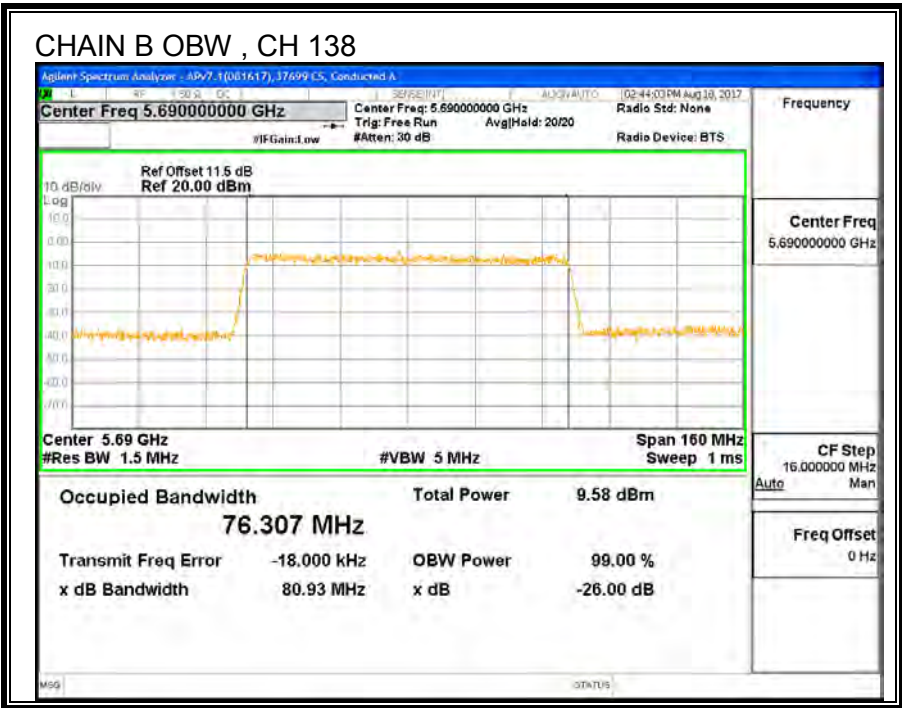
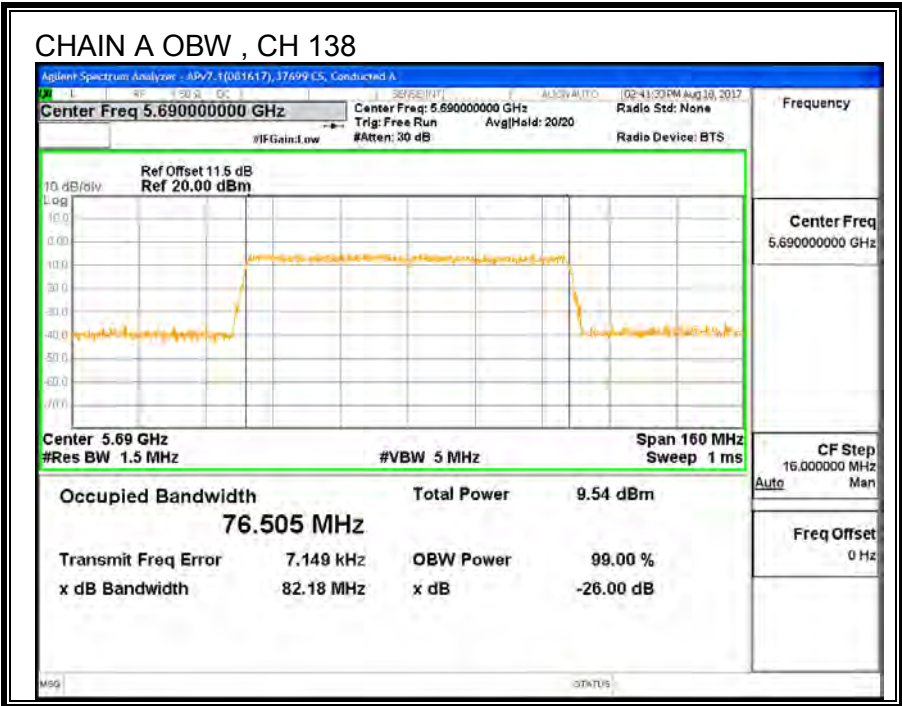
CHAIN A OBW , CH LOW



CHAIN B OBW , CH LOW







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.

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

The measurement methods used for output power is KDB 789033 D02 v01r04, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v01r04, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v01r04, Section F

DIRECTIONAL ANTENNA GAIN

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
4.89	3.77	4.37	7.36

RESULTS

ID:	37699 CS	Date:	08/18/2017
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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	82.4	76.33	4.37	7.36
High	5610	82.4	76.42	4.37	7.36
138	5690	76.2	73.15	4.37	7.36

Limits

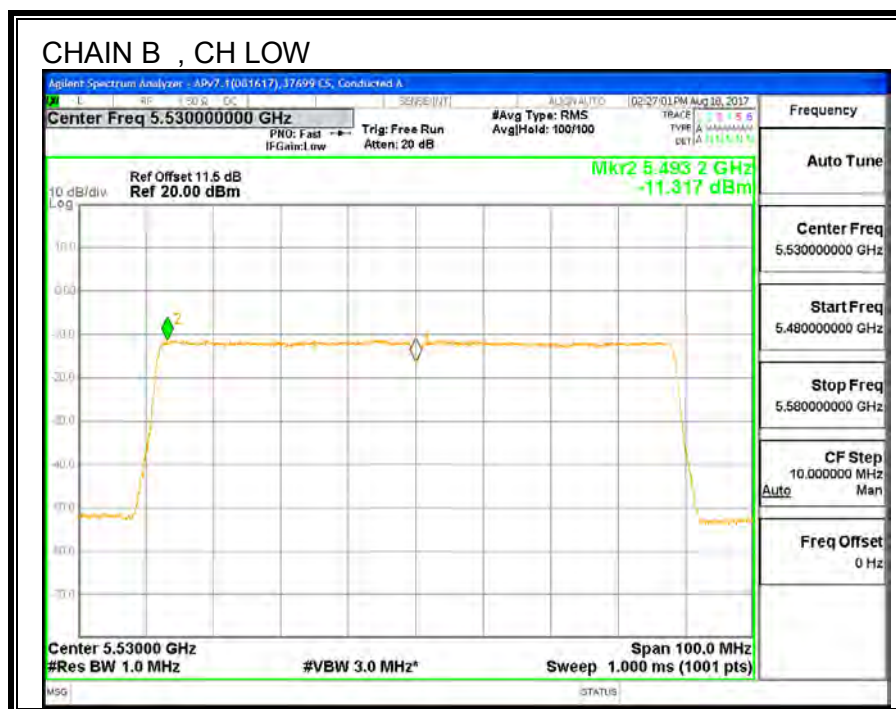
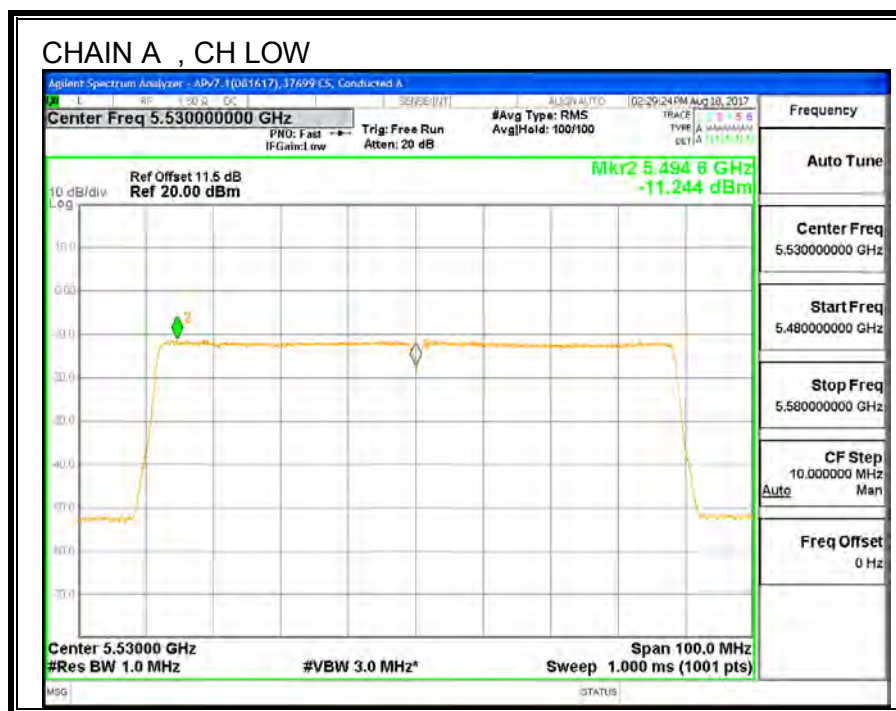
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
Low	5530	24.00	24.00	30.00	24.00	9.64	11.00	9.64
High	5610	24.00	24.00	30.00	24.00	9.64	11.00	9.64
138	5690	24.00	24.00	30.00	24.00	9.64	11.00	9.64

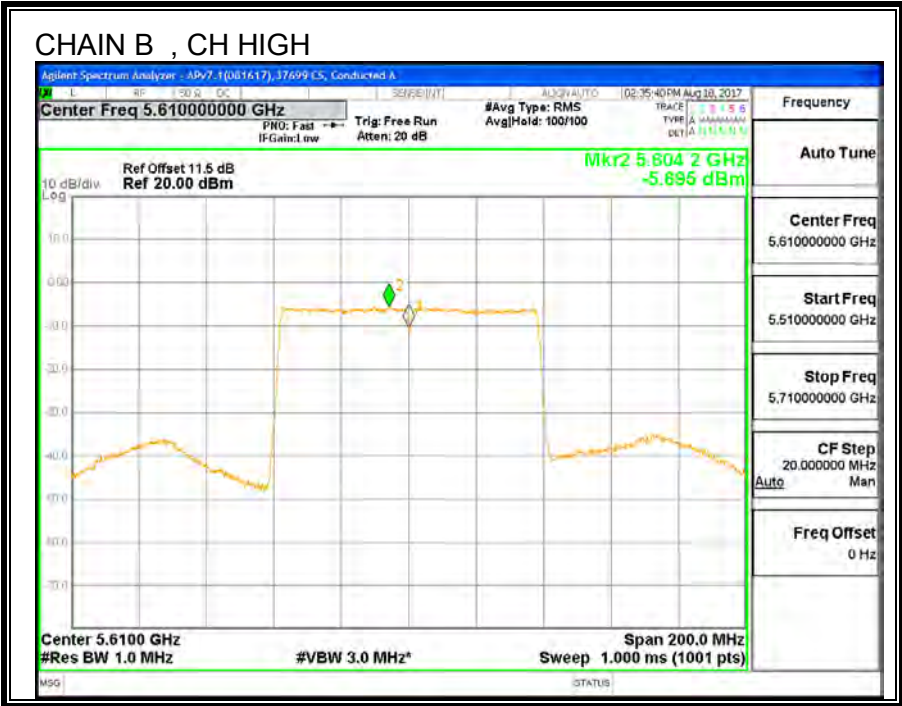
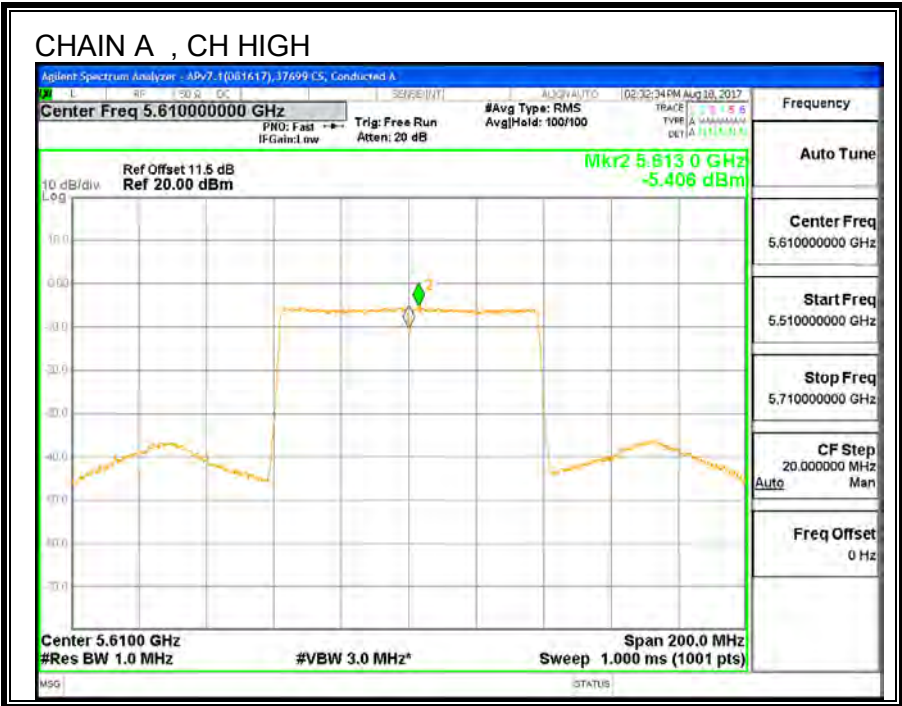
Output Power Results

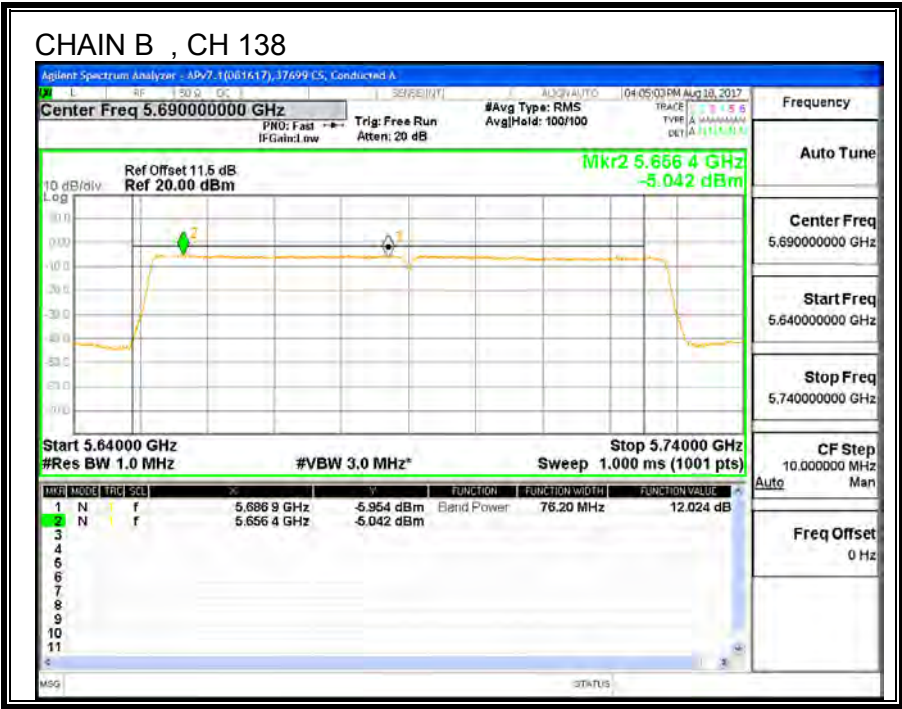
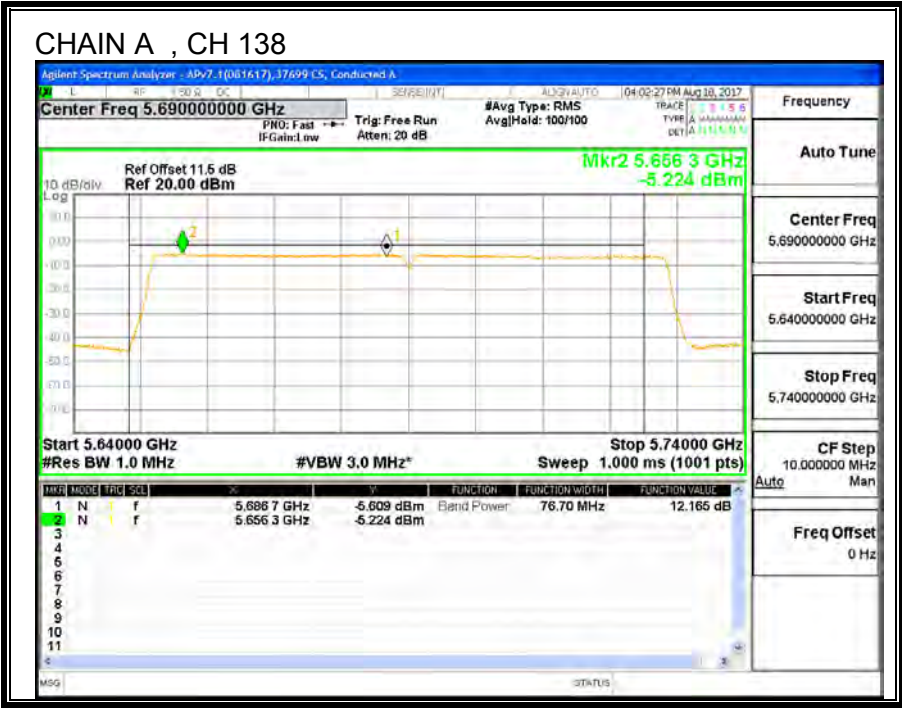
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	5.41	5.35	8.39	24.00	-15.61
High	5610	11.45	11.34	14.41	24.00	-9.59
138	5690	12.17	12.02	15.11	24.00	-8.89

PPSD Results

Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5530	-11.24	-11.32	-8.27	9.64	-17.91
High	5610	-5.41	-5.70	-2.54	9.64	-12.18
138	5690	-5.22	-5.04	-2.12	9.64	-11.76







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

9.13.1. 6 dB BANDWIDTH

LIMITS

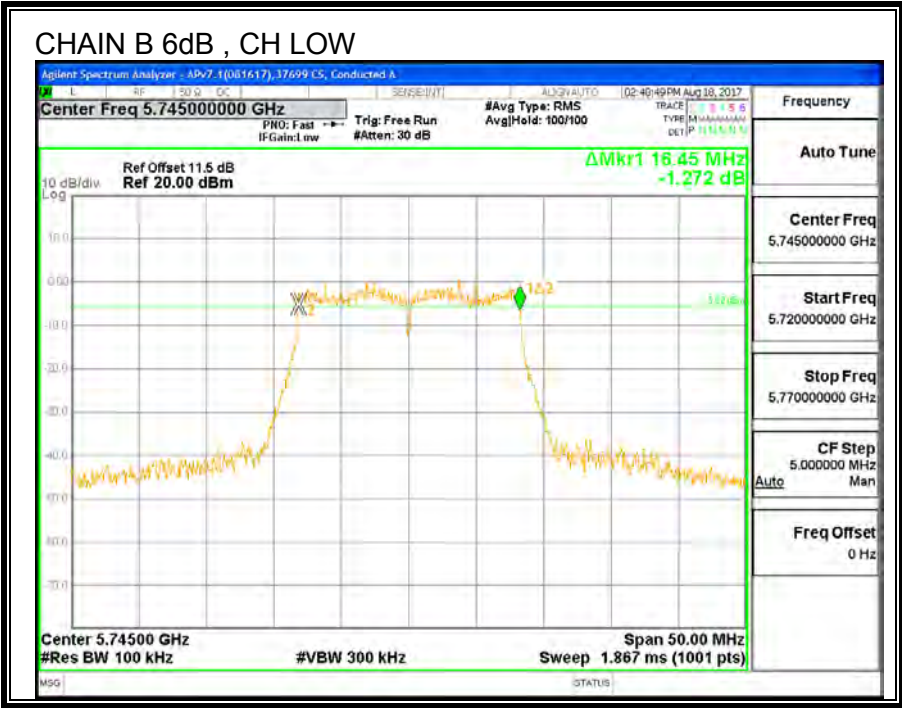
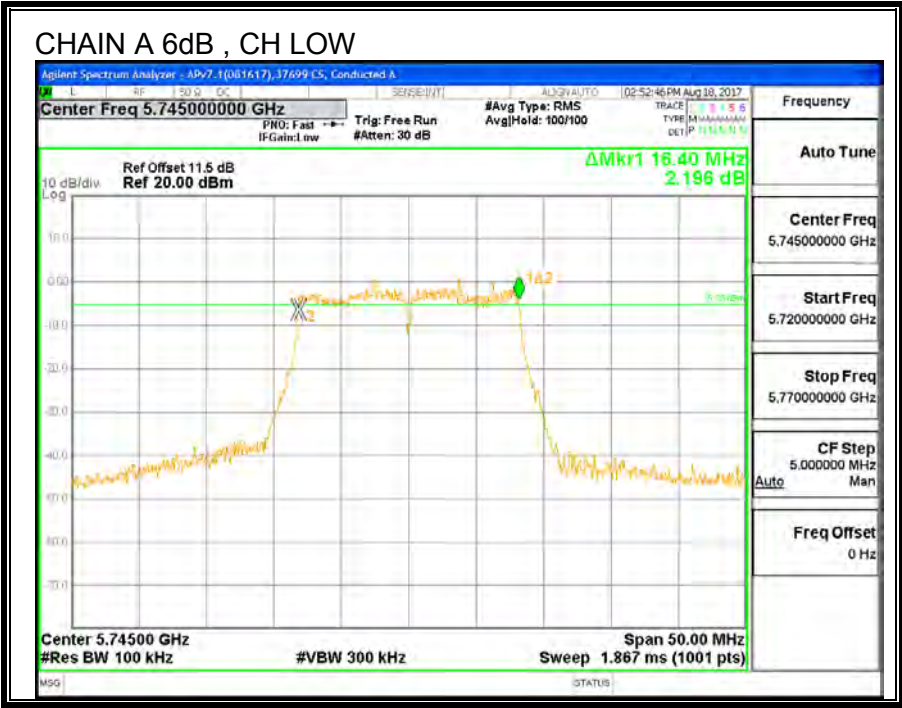
FCC §15.407 (e)

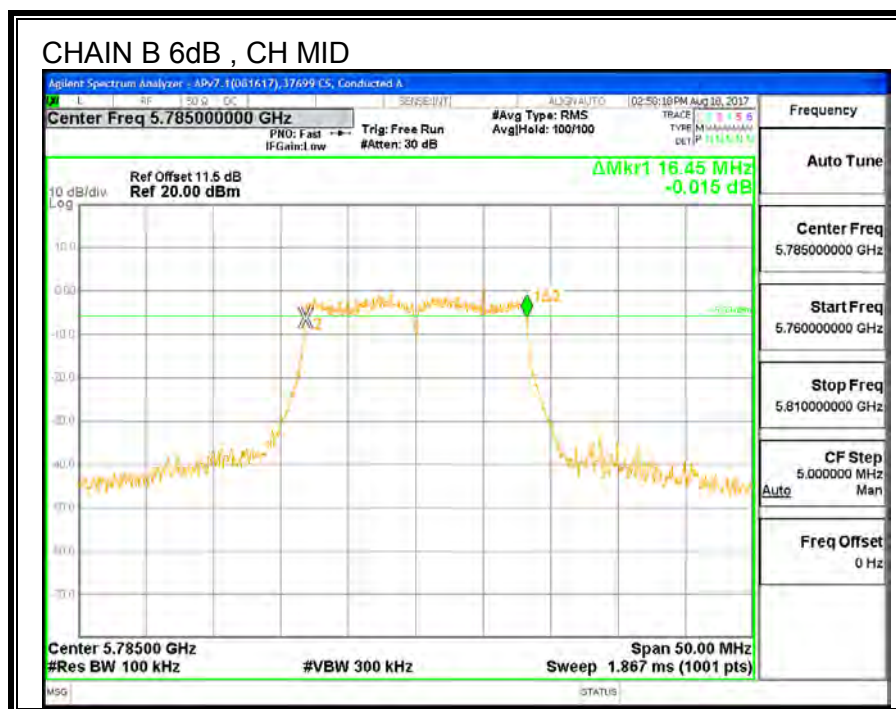
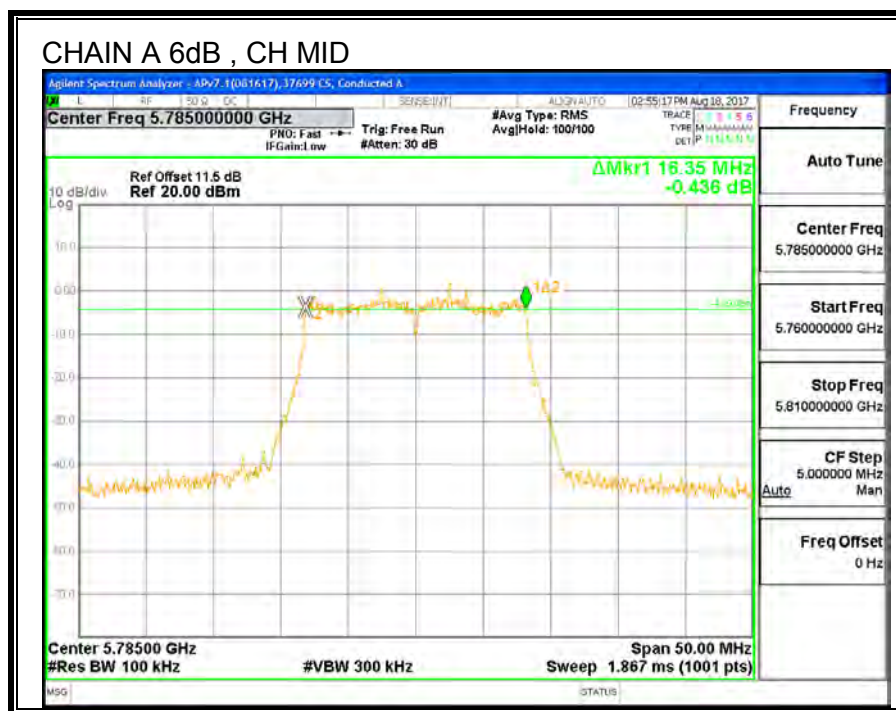
IC RSS-247 (6.2.4) (1)

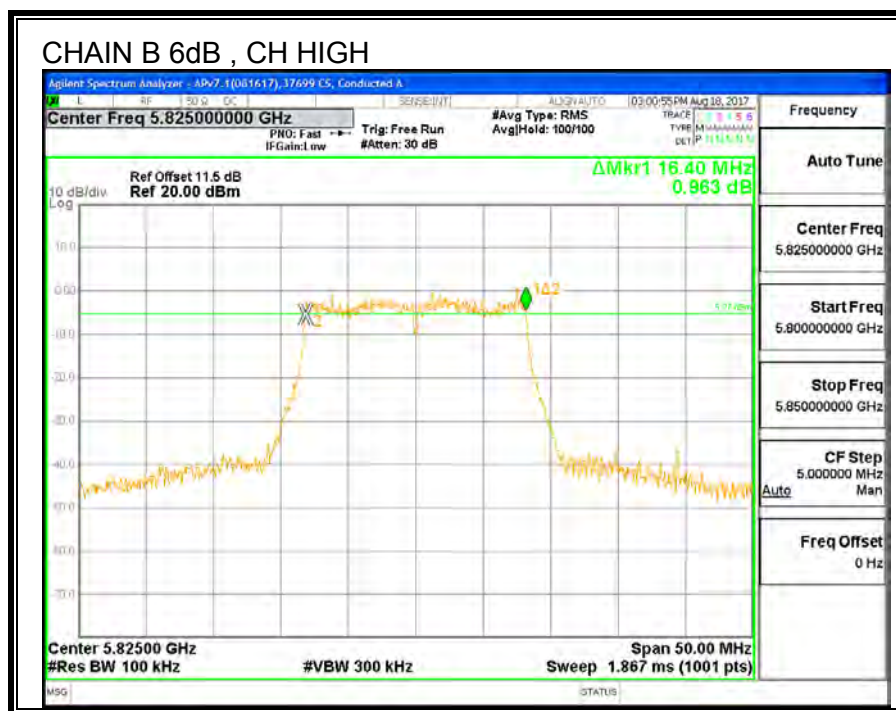
The minimum 6 dB bandwidth shall be at least 500 kHz.

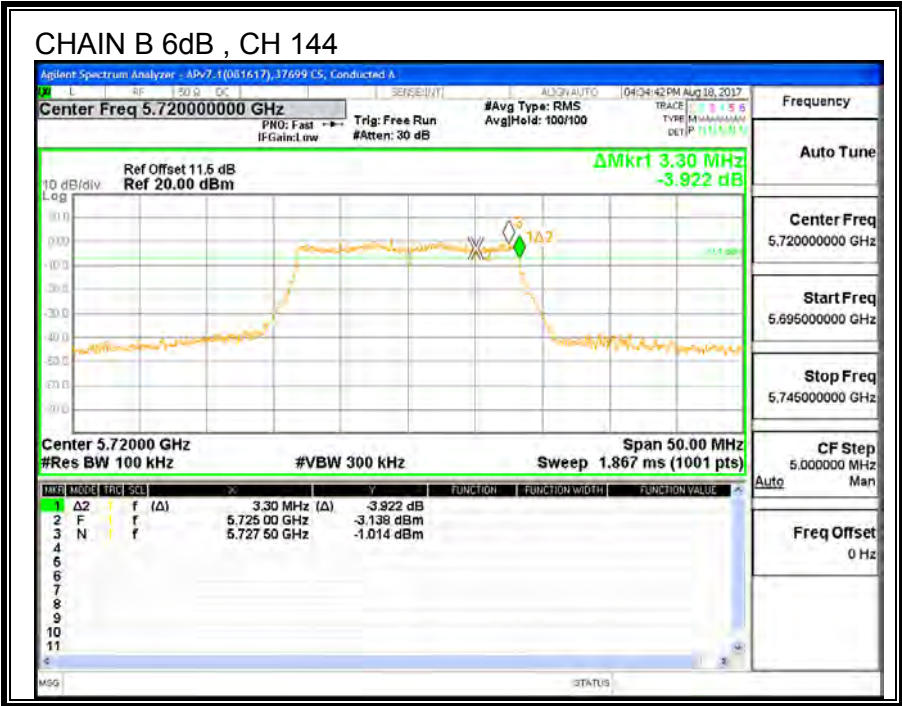
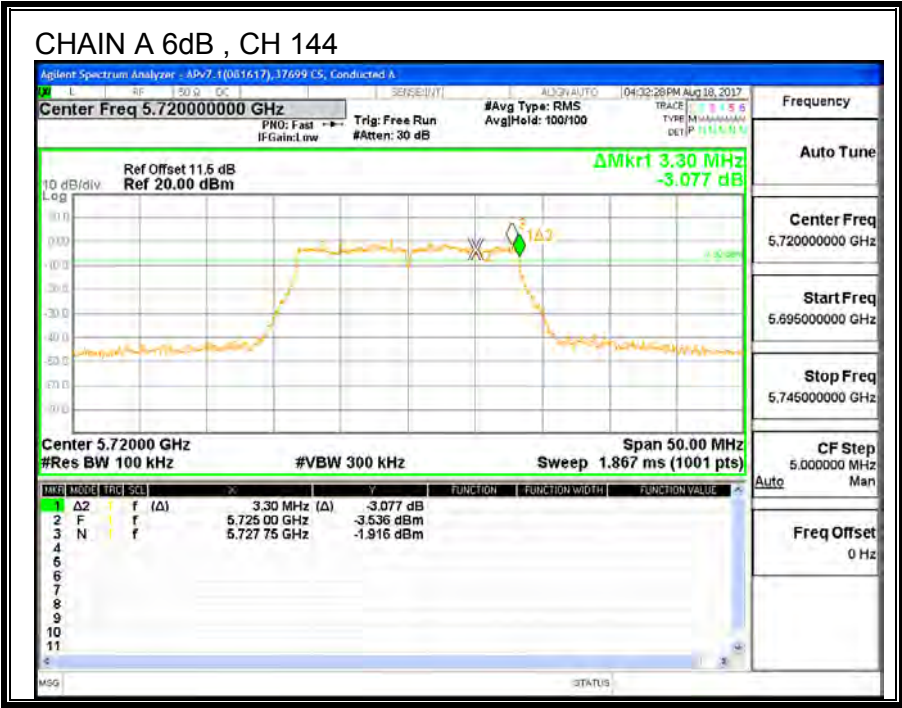
RESULTS

Channel	Frequency	6 dB BW CHAIN A (MHz)	6 dB BW CHAIN B (MHz)	Minimum Limit (MHz)
Low	5745	16.40	16.45	0.5
Mid	5785	16.35	16.45	0.5
High	5825	16.35	16.40	0.5
144	5720	3.30	3.30	0.5









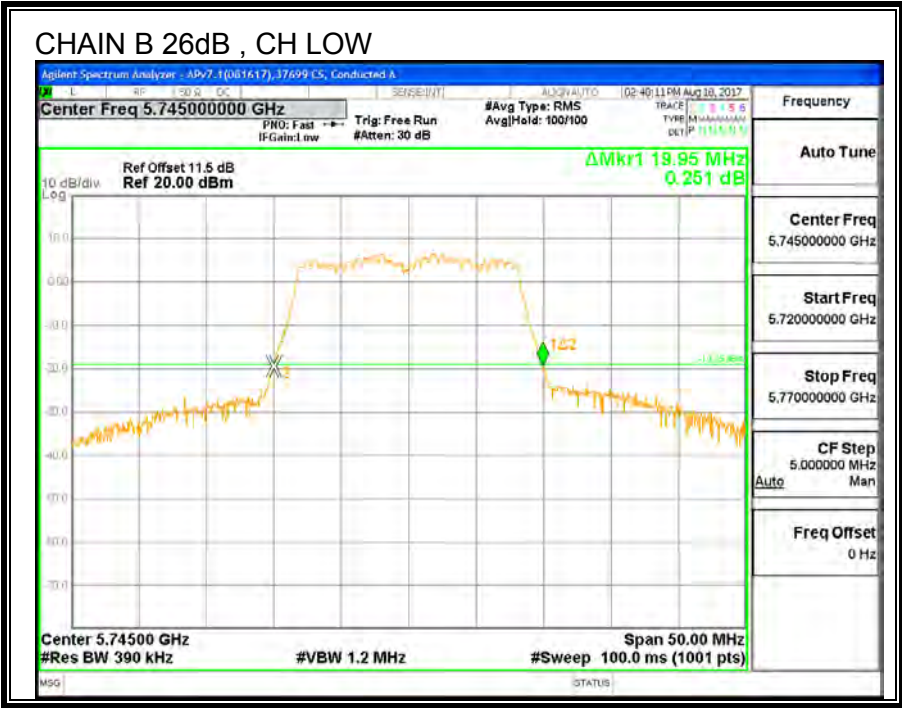
9.13.2. 26 dB BANDWIDTH

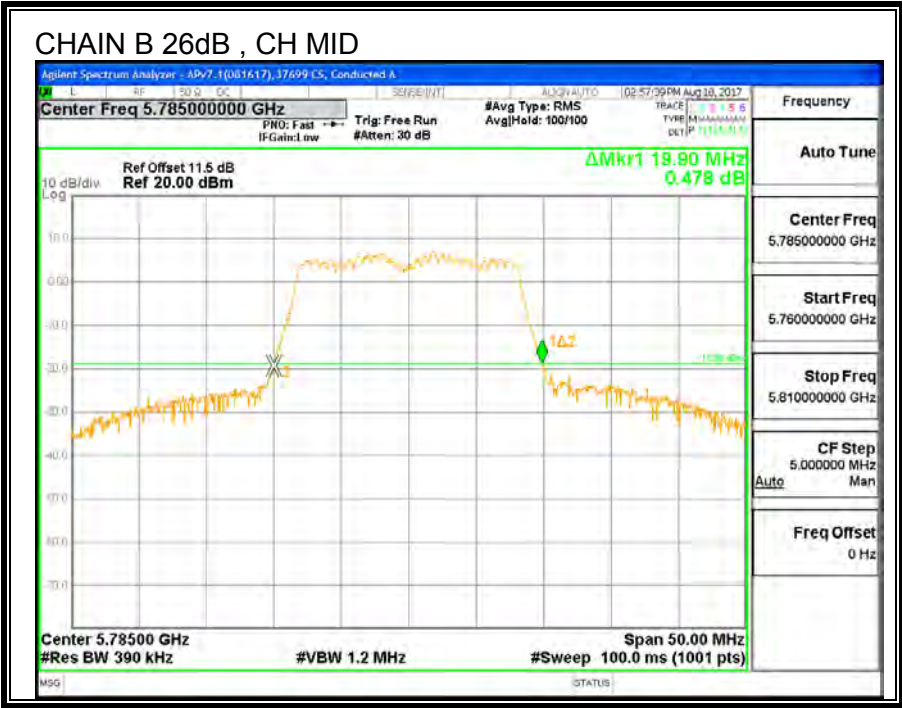
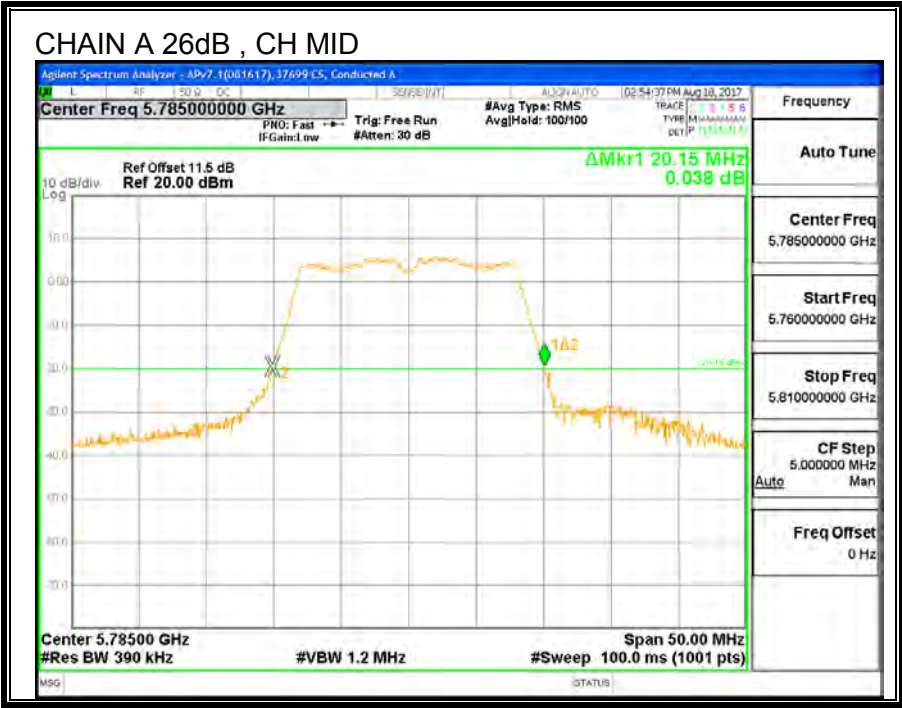
LIMITS

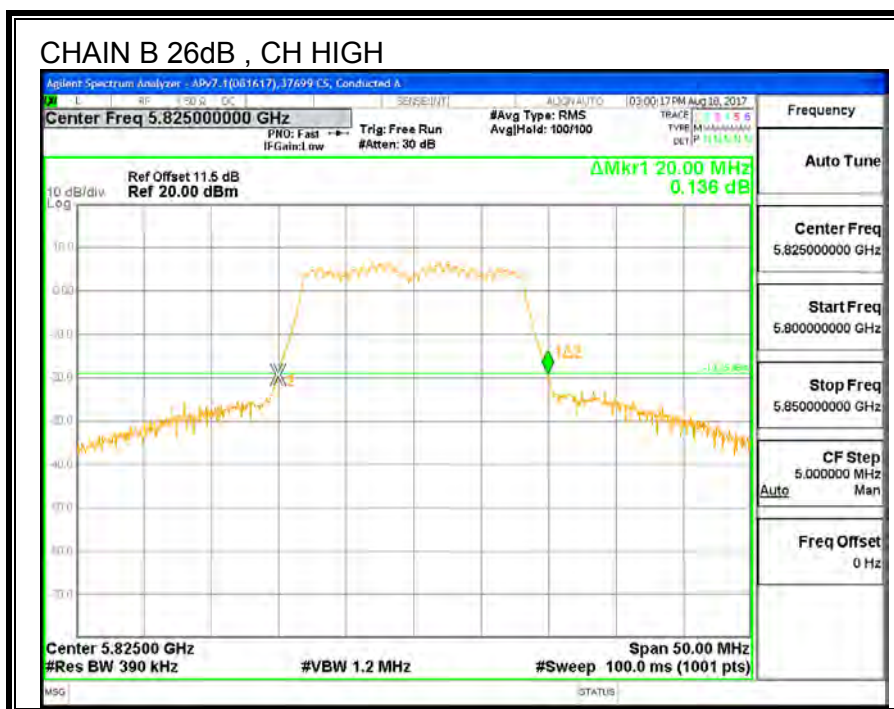
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW CHAIN A (MHz)	26 dB BW CHAIN B (MHz)
Low	5745	20.25	19.95
Mid	5785	20.15	19.90
High	5825	20.35	20.00







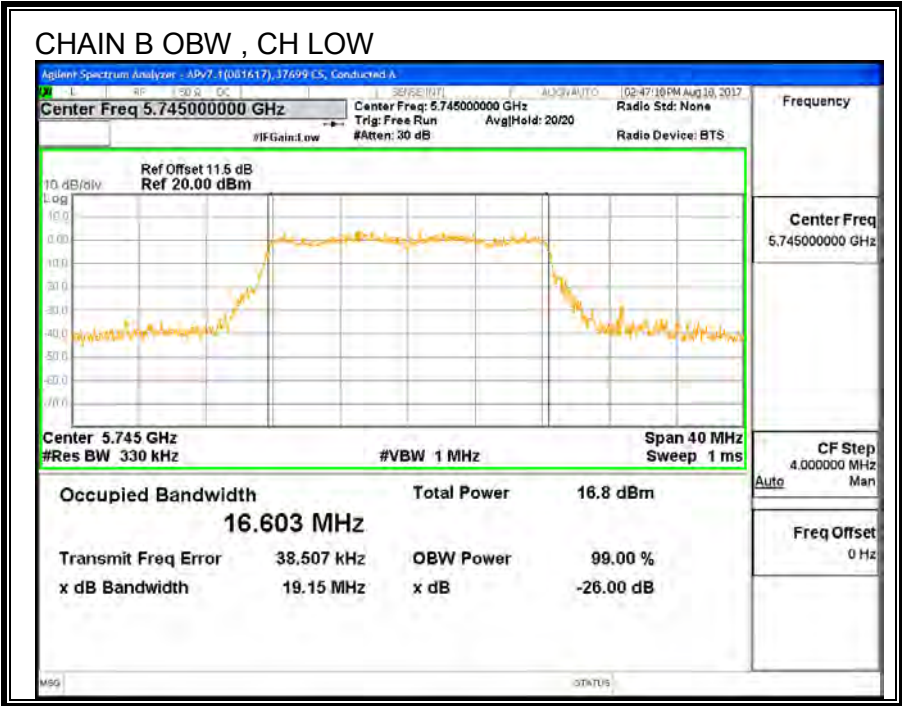
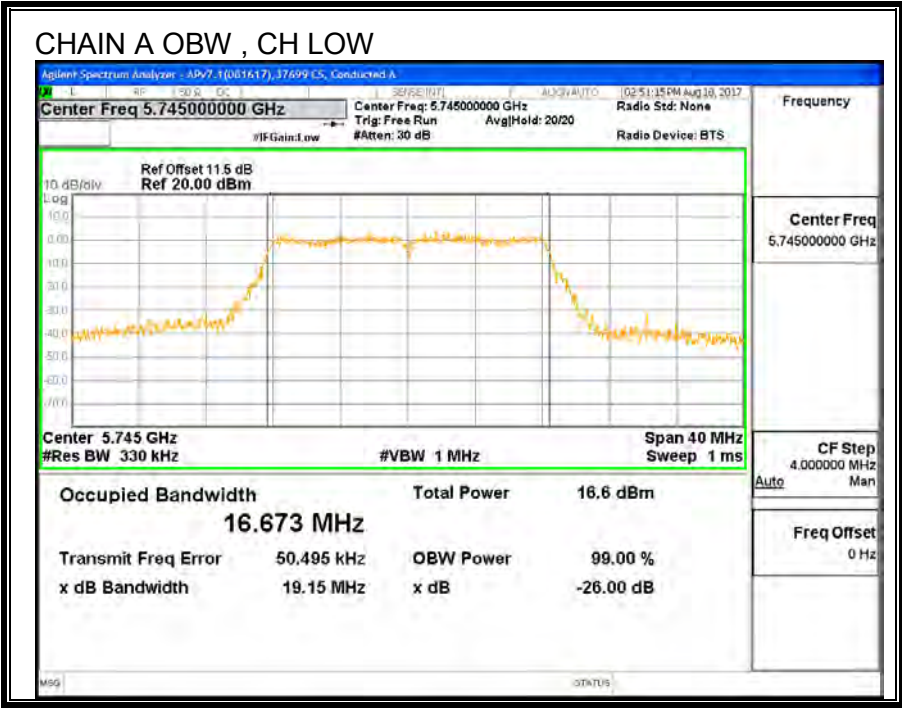
9.13.3. 99% BANDWIDTH

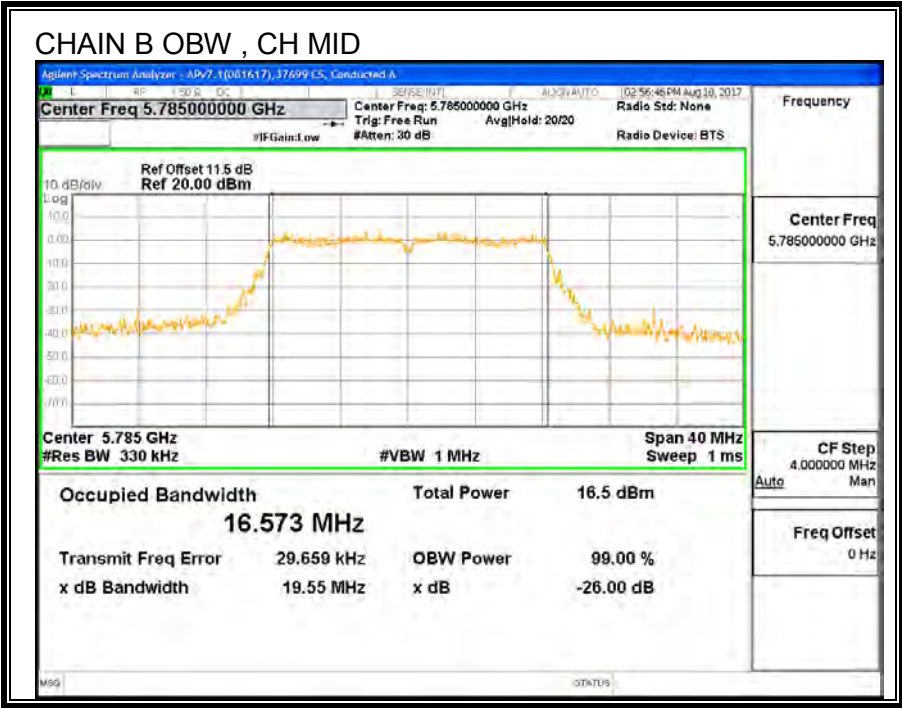
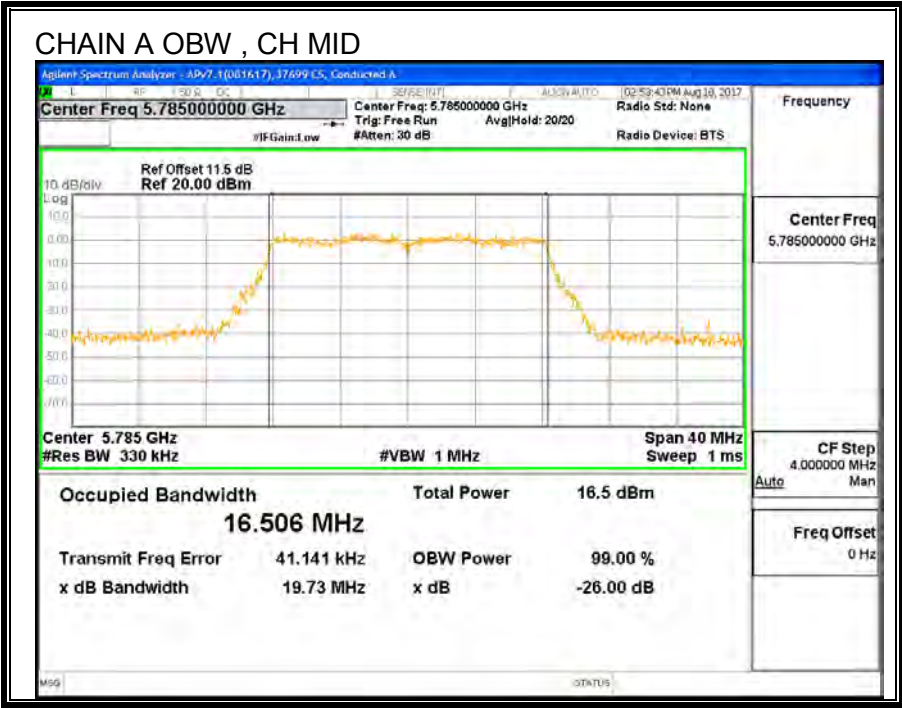
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW CHAIN A (MHz)	99% BW CHAIN B (MHz)
Low	5745	16.673	16.603
Mid	5785	16.506	16.573
High	5825	16.628	16.612

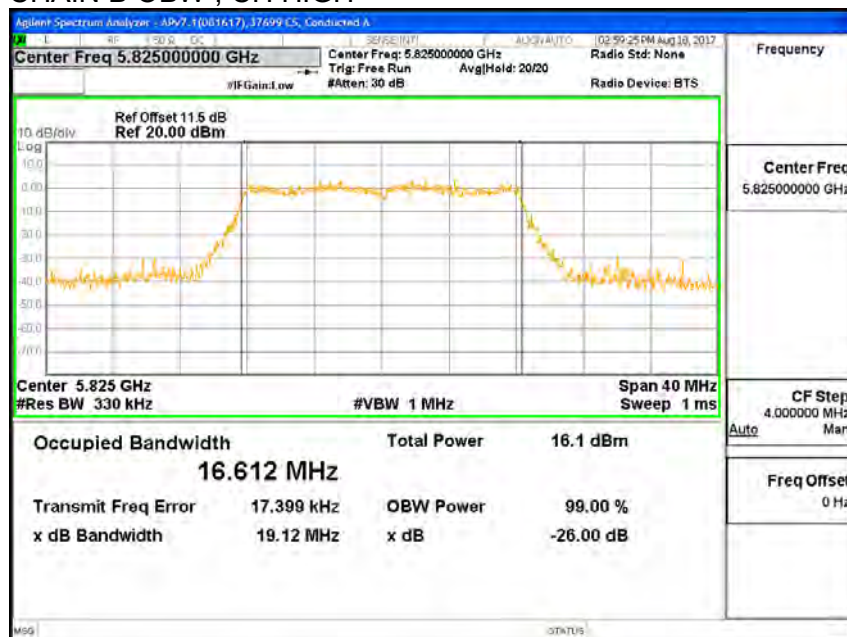




CHAIN A OBW , CH HIGH



CHAIN B OBW , CH HIGH



9.13.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

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

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.51	2.38	2.45	5.46

RESULTS

ID:	37699 CS	Date:	8/11/17
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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	19.95	16.60	2.45	5.46
Mid	5785	19.90	16.51	2.45	5.46
High	5805	20.00	16.61	2.45	5.46
144	5720	4.95	3.29	2.45	5.46

Limits

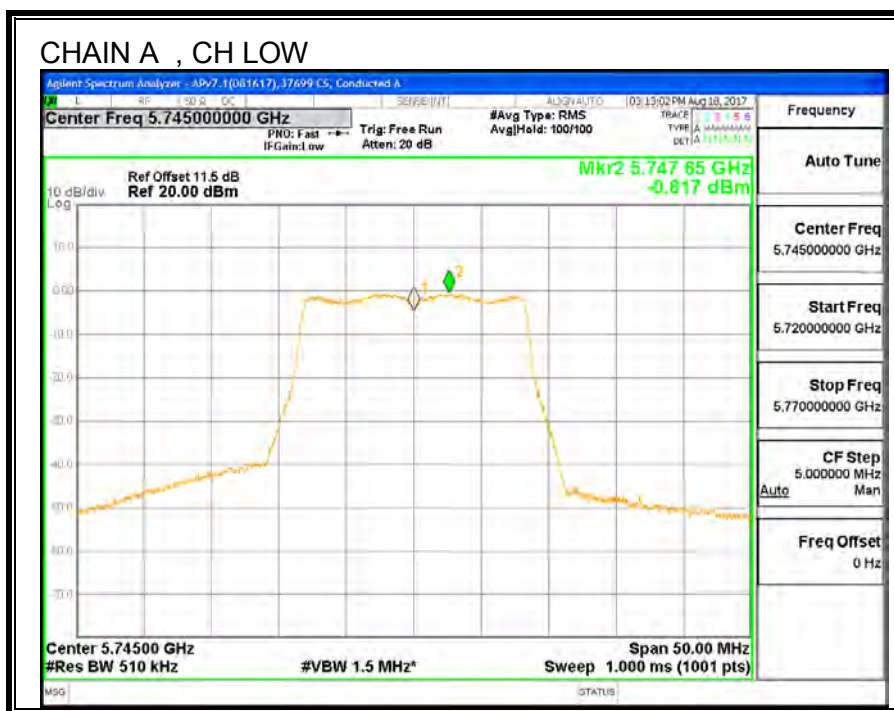
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
Low	5745	30.00	29.20	35.20	29.20	30.00	30.00	30.00
Mid	5785	29.99	29.18	35.18	29.18	30.00	30.00	30.00
High	5805	30.00	29.20	35.20	29.20	30.00	30.00	30.00
144	5720	23.95	22.17	28.17	22.17	30.00	30.00	30.00

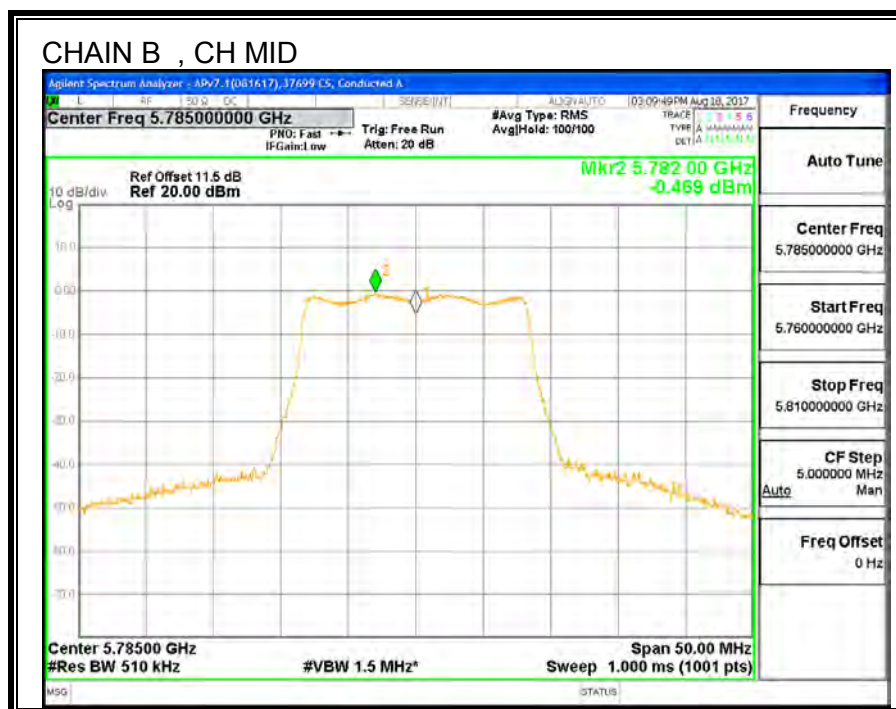
Output Power Results

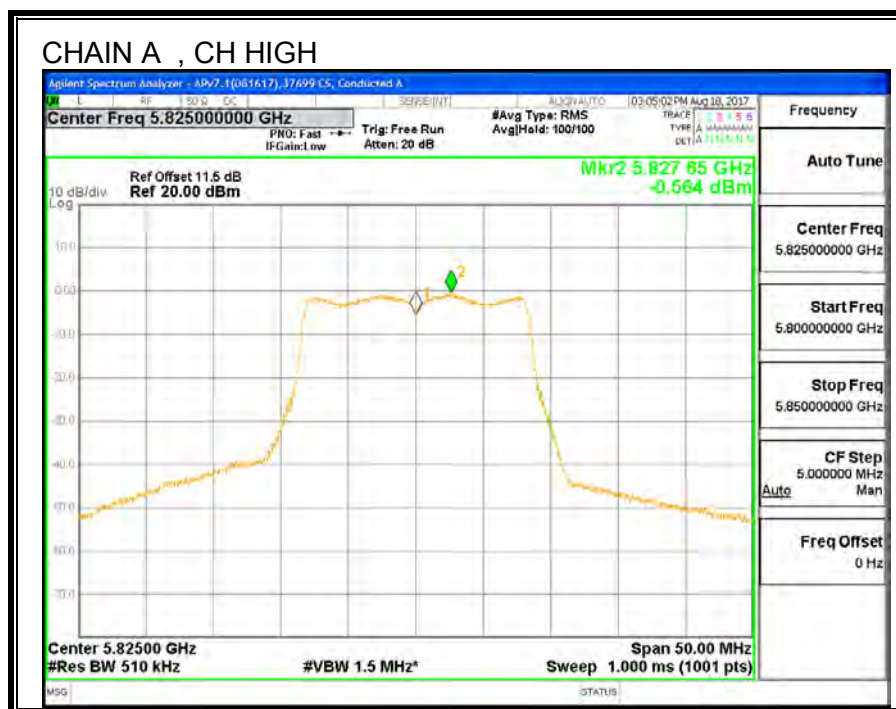
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	12.07	11.97	15.03	29.20	-14.17
Mid	5785	12.03	12.35	15.20	29.18	-13.97
High	5805	11.82	12.14	14.99	29.20	-14.21
144	5720	6.84	7.34	10.11	22.17	-12.06

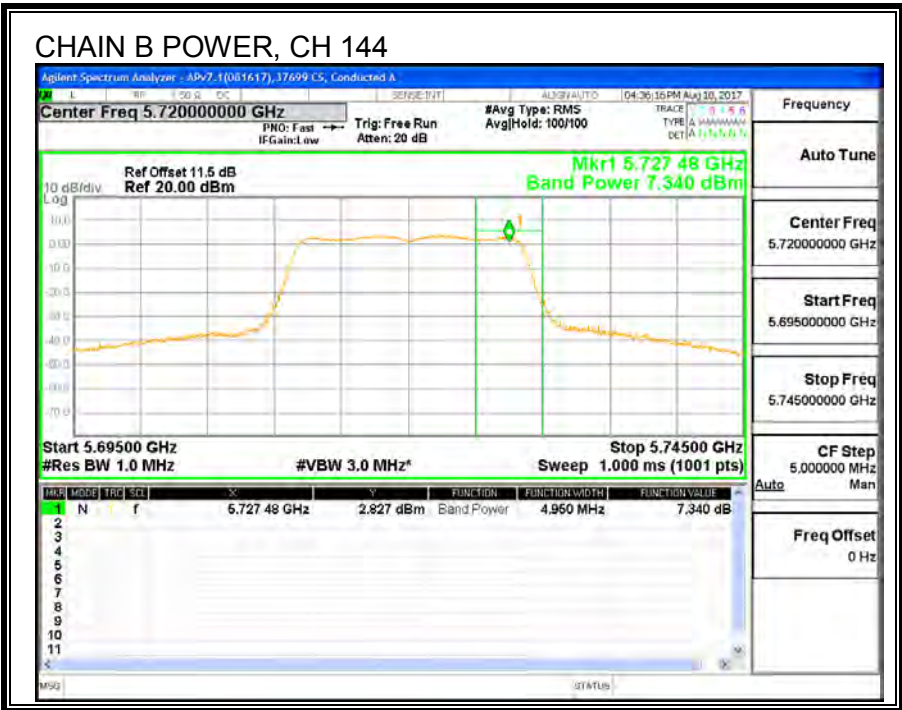
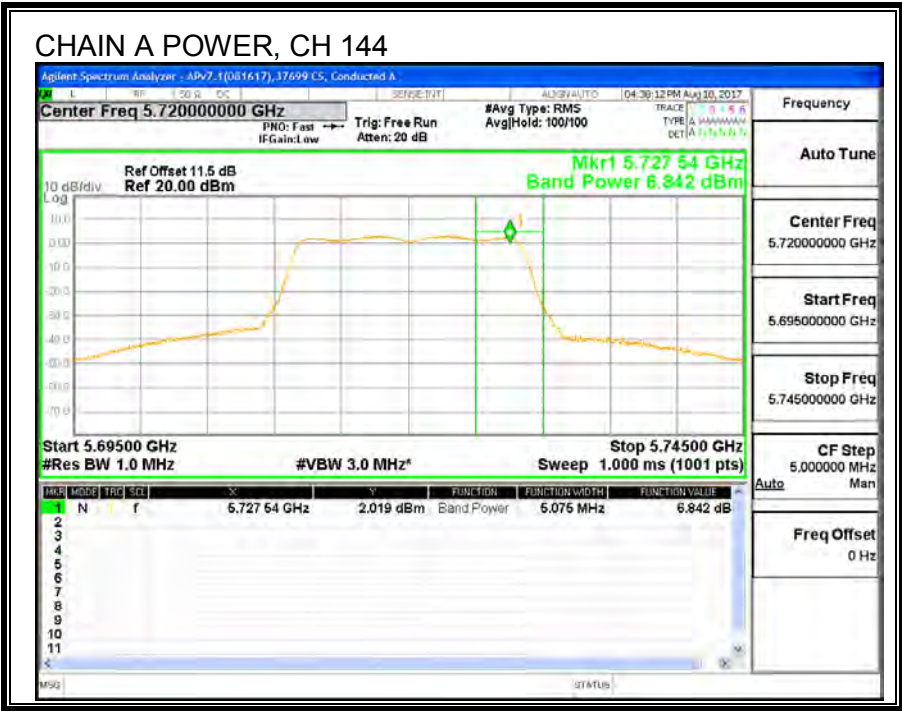
PPSD Results

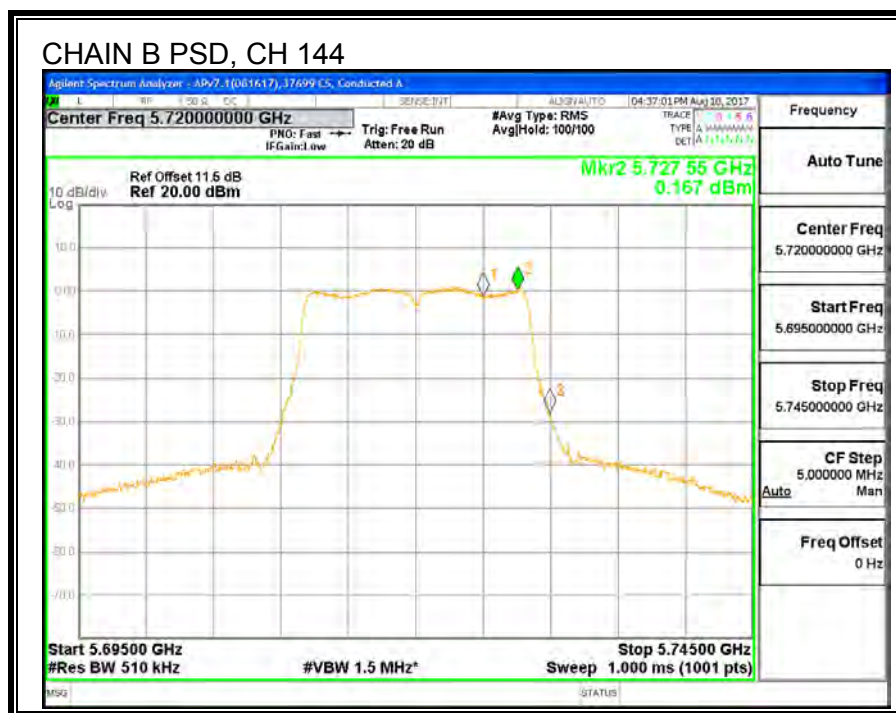
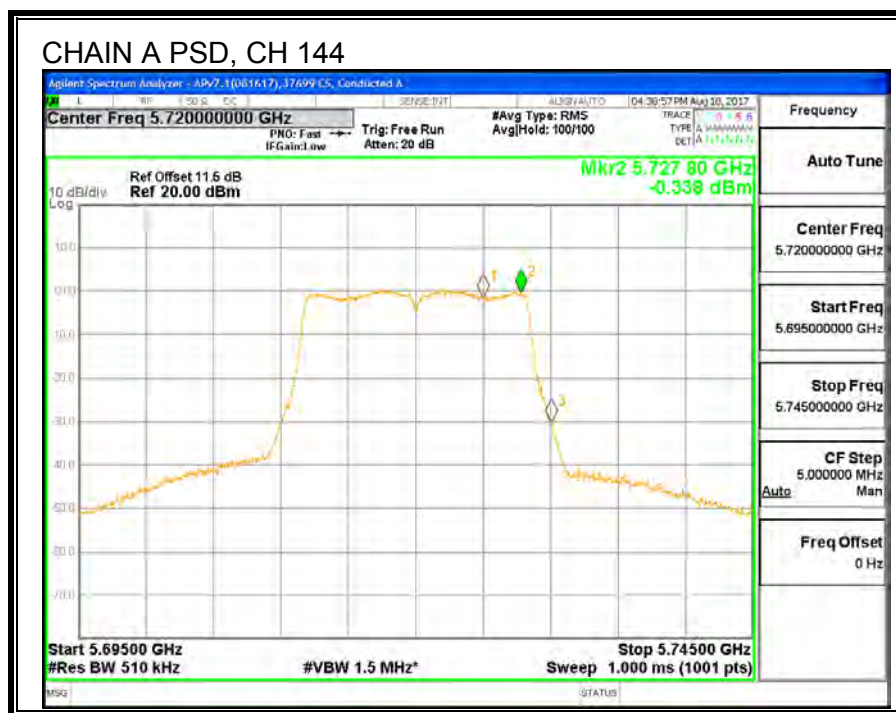
Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	-0.62	-0.14	2.64	30.00	-27.36
Mid	5785	-0.67	-0.47	2.44	30.00	-27.56
High	5805	-0.56	-1.03	2.22	30.00	-27.78
144	5720	-0.34	0.17	2.93	30.00	-27.07











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

9.14.1. 6 dB BANDWIDTH

LIMITS

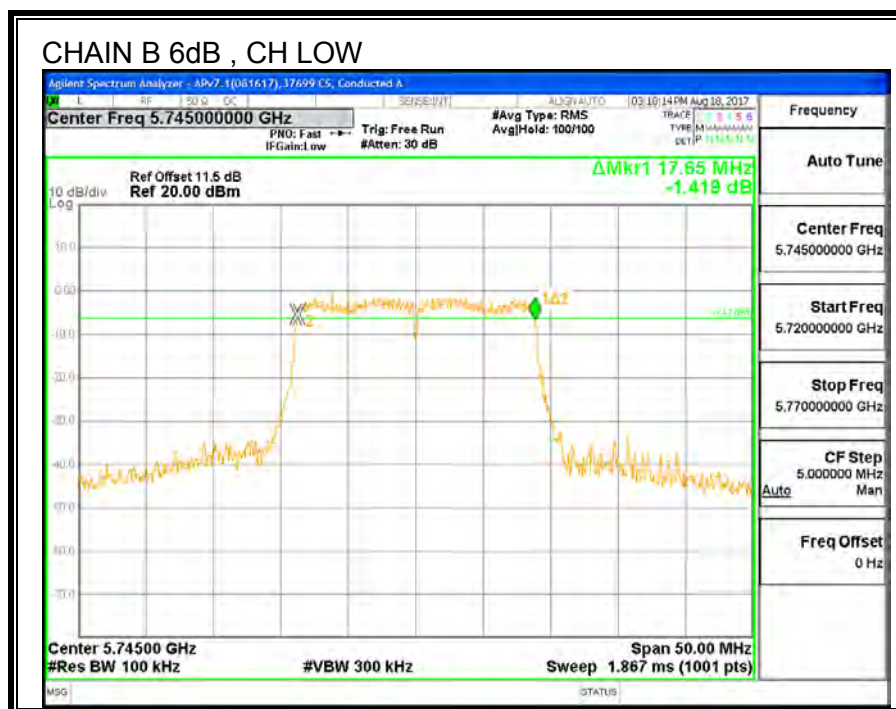
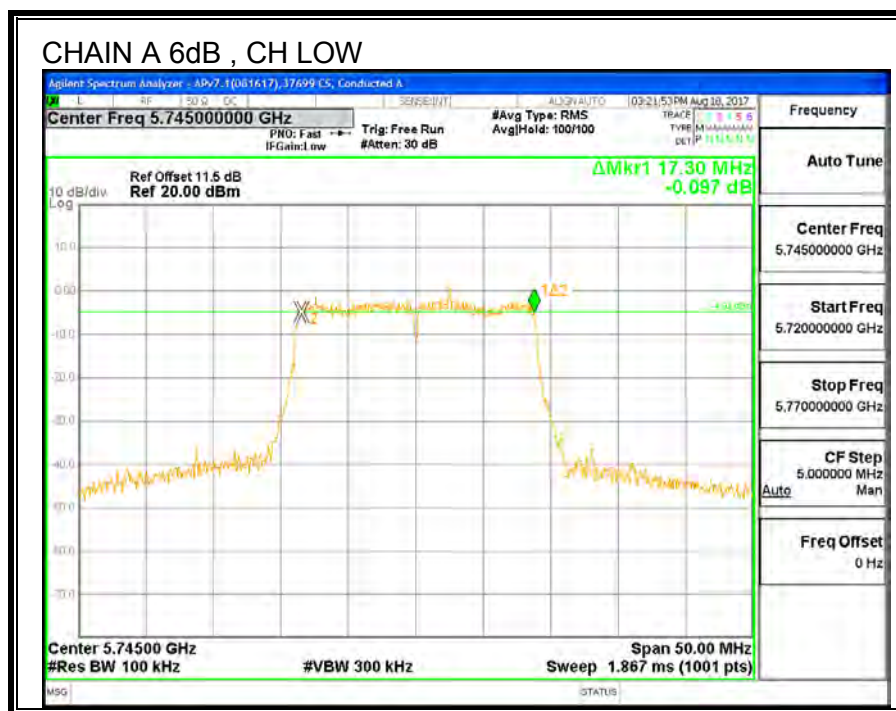
FCC §15.407 (e)

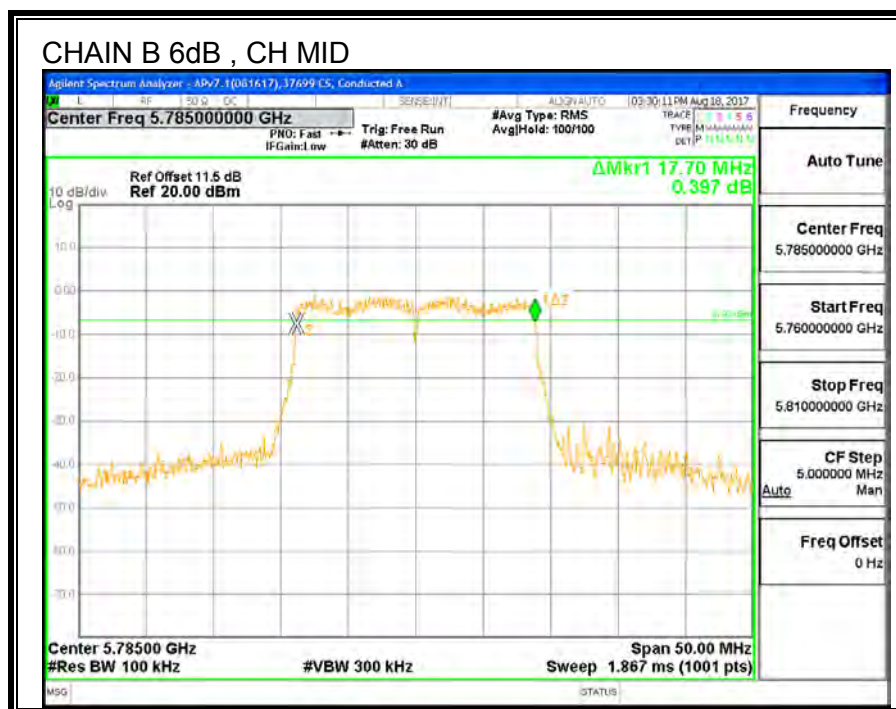
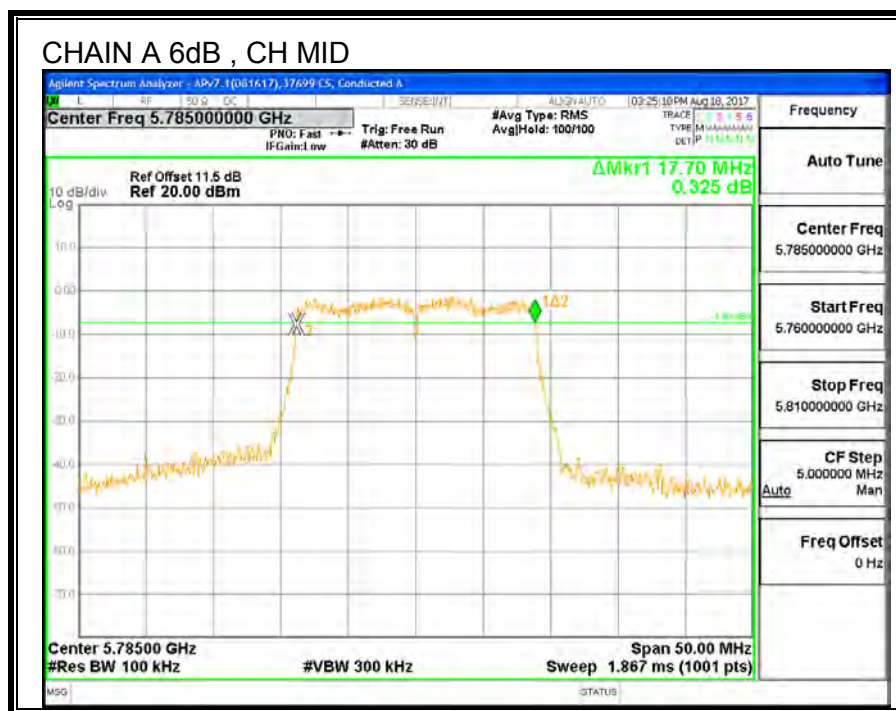
IC RSS-247 (6.2.4) (1)

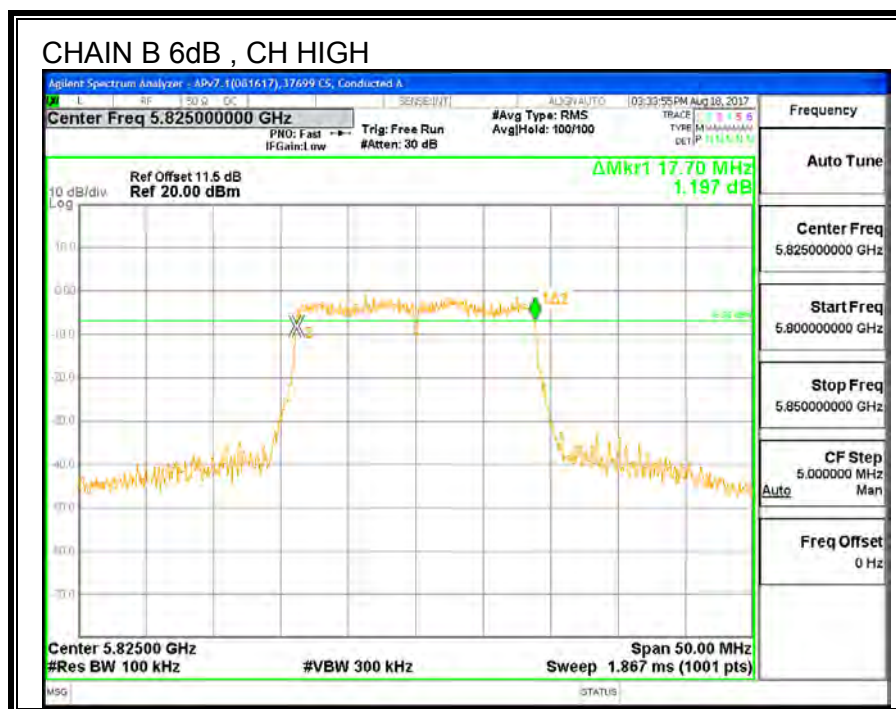
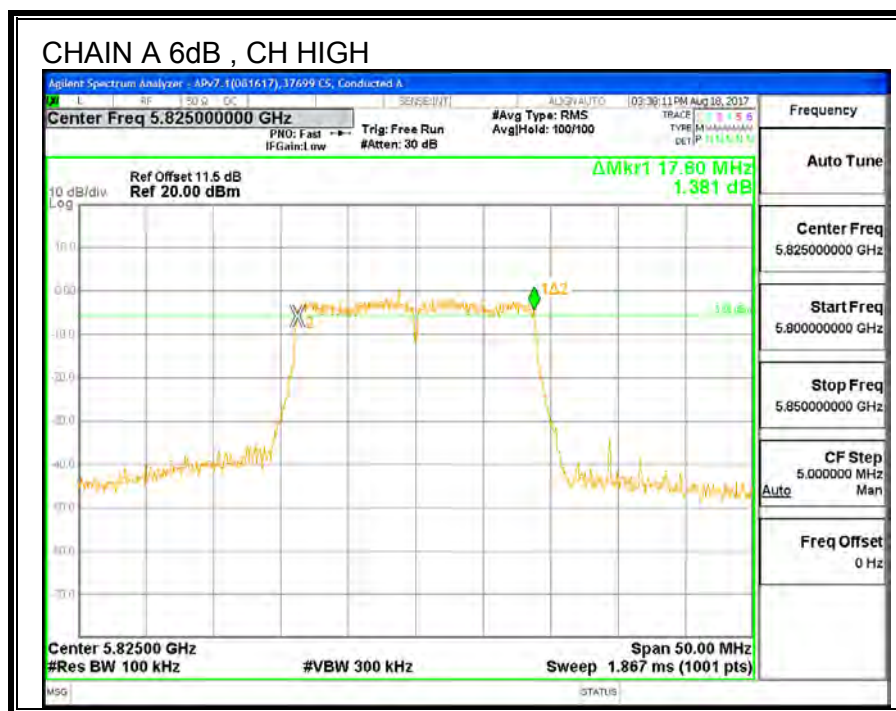
The minimum 6 dB bandwidth shall be at least 500 kHz.

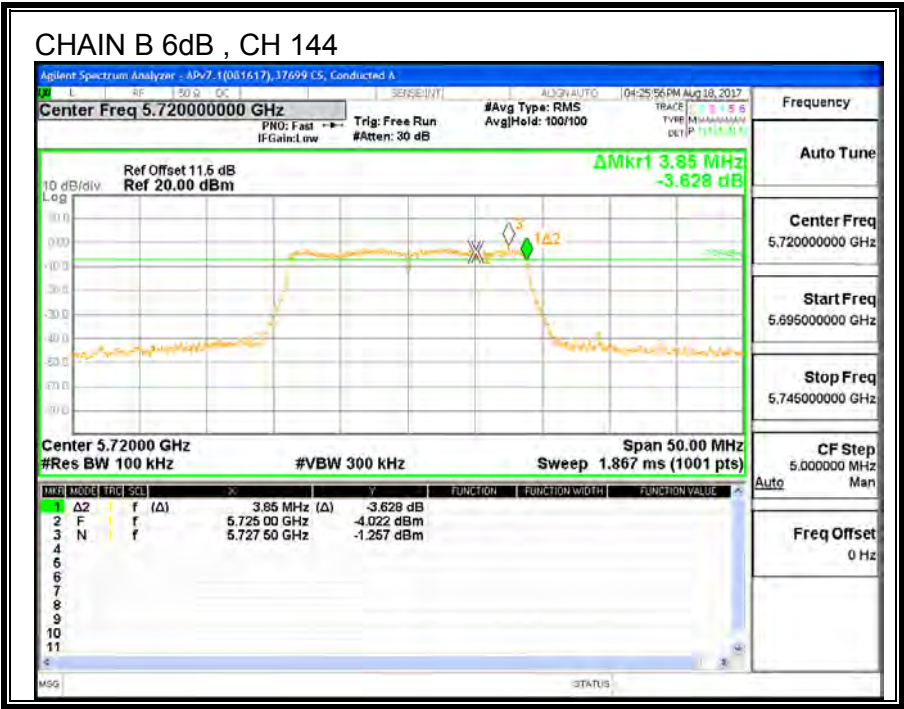
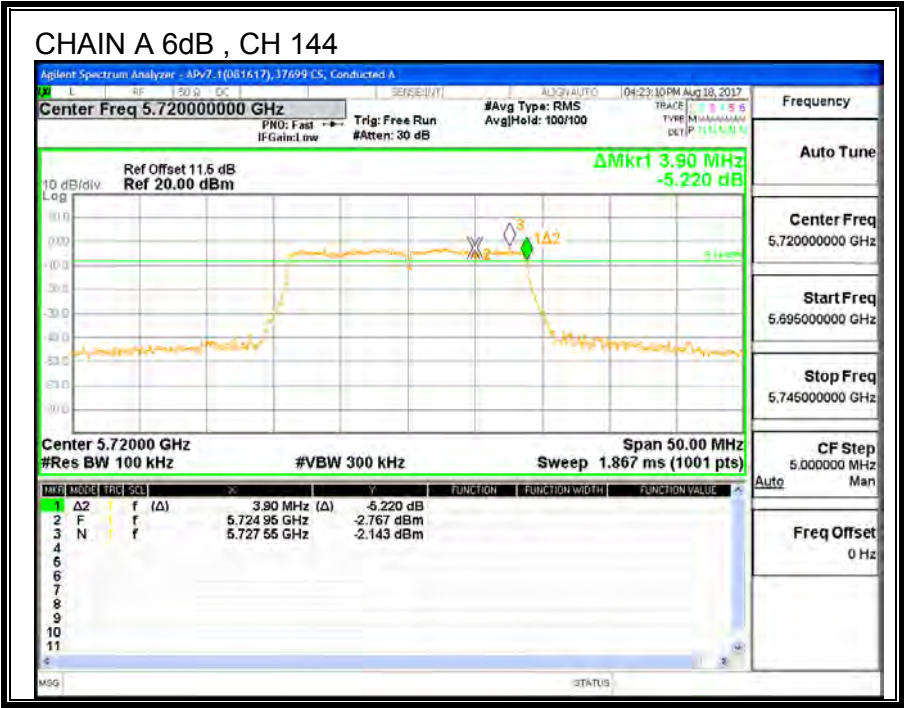
RESULTS

Channel	Frequency	6 dB BW CHAIN A (MHz)	6 dB BW CHAIN B (MHz)	Minimum Limit (MHz)
Low	5745	17.30	17.65	0.5
Mid	5785	17.70	17.70	0.5
High	5825	17.60	17.70	0.5
144	5720	3.90	3.85	0.5









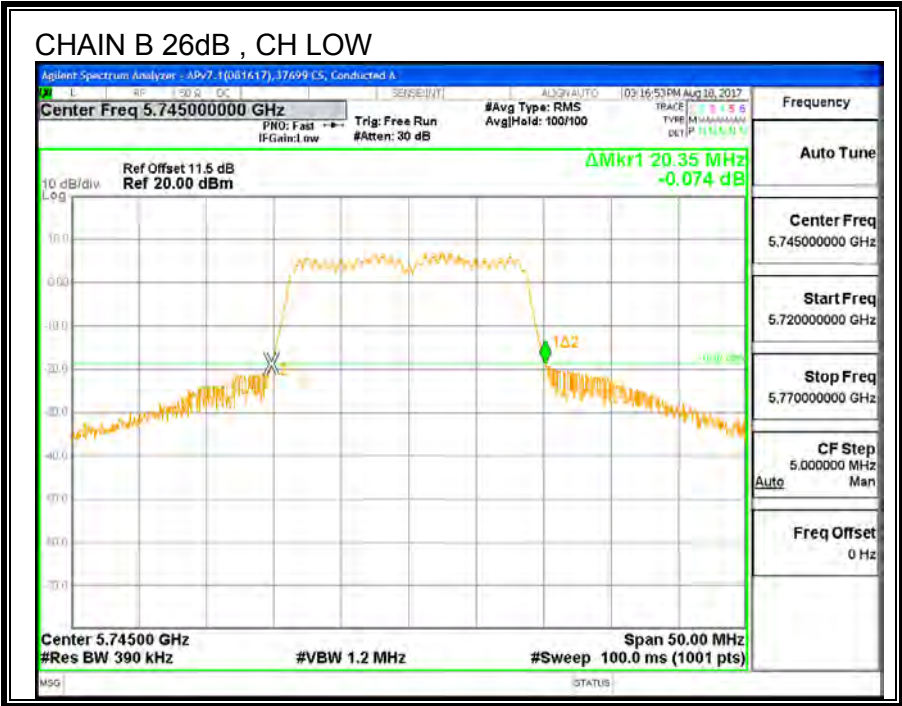
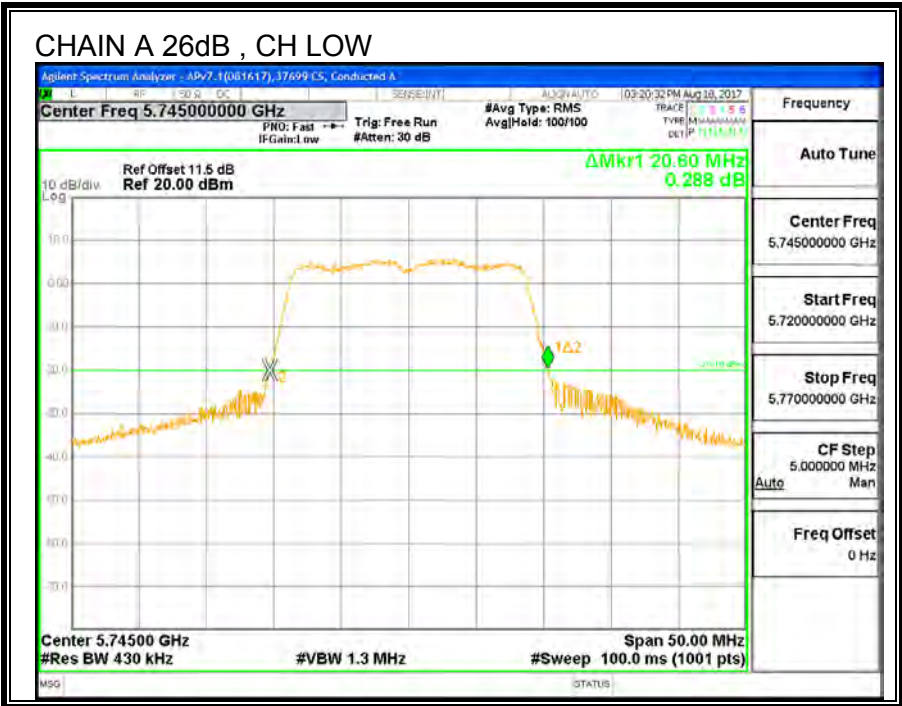
9.14.2. 26 dB BANDWIDTH

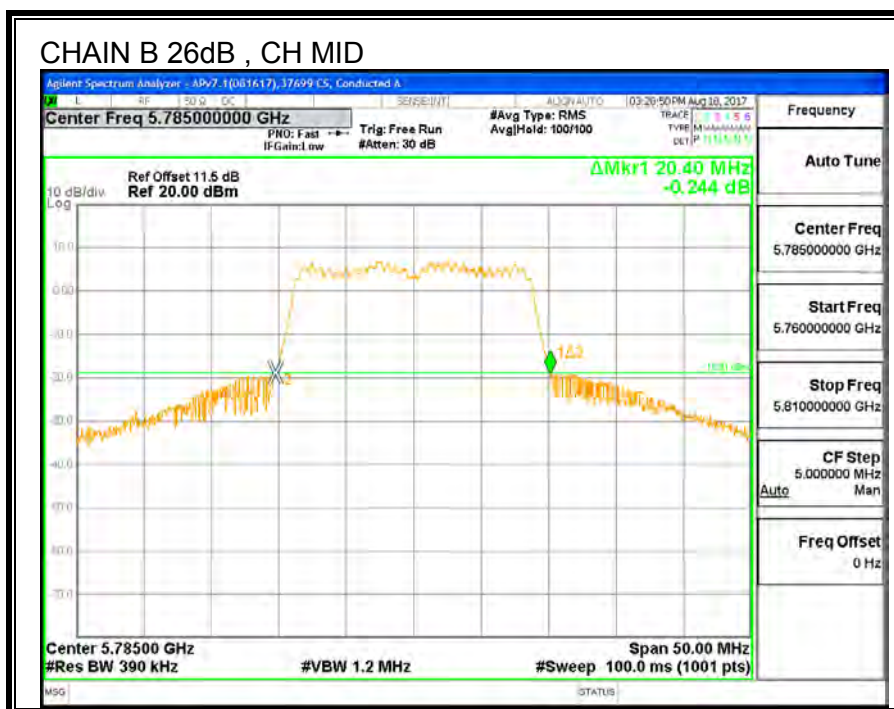
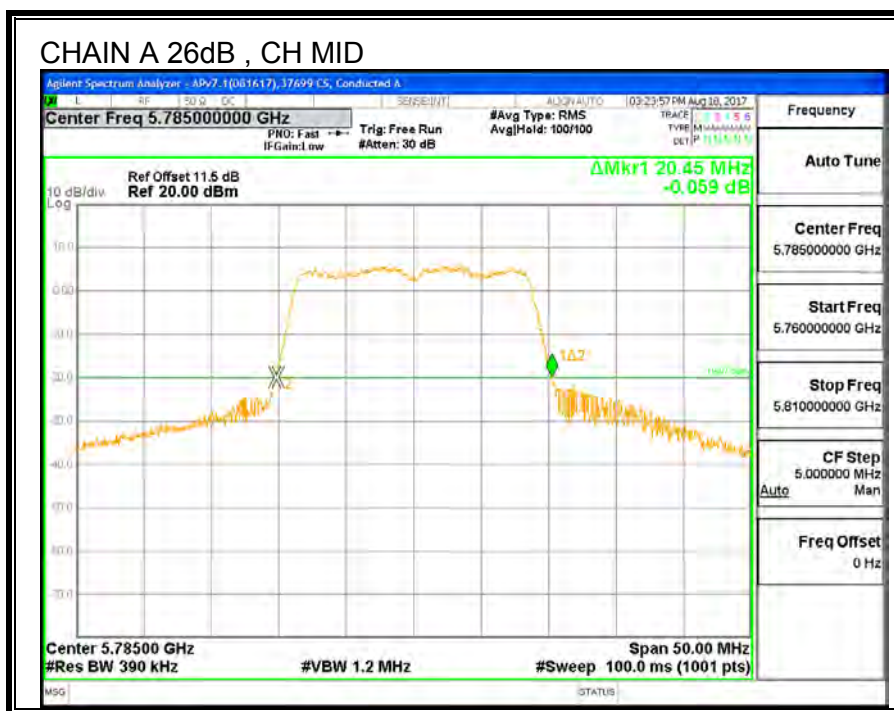
LIMITS

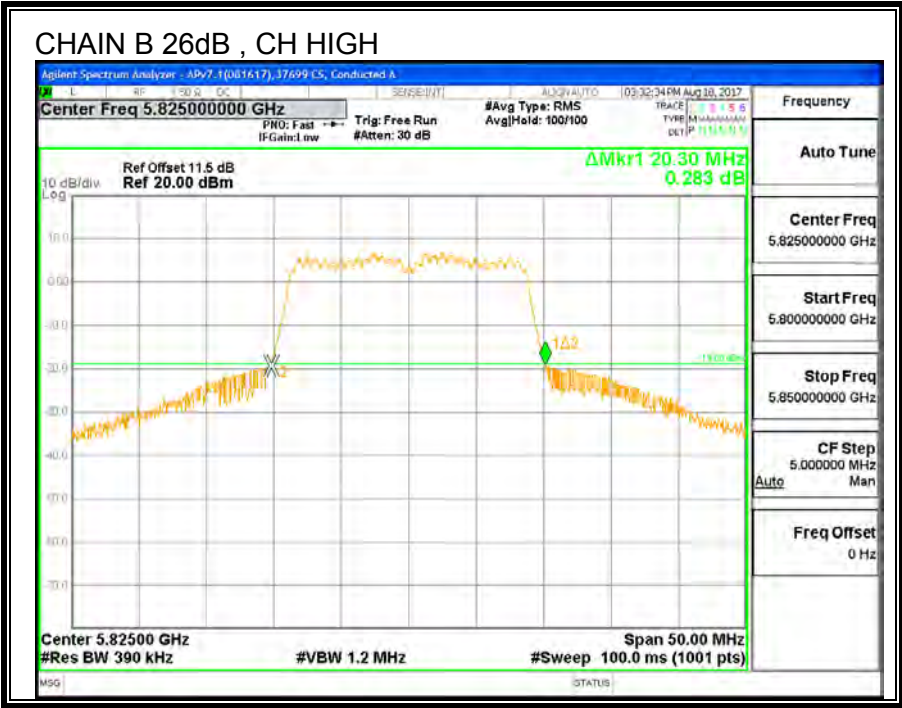
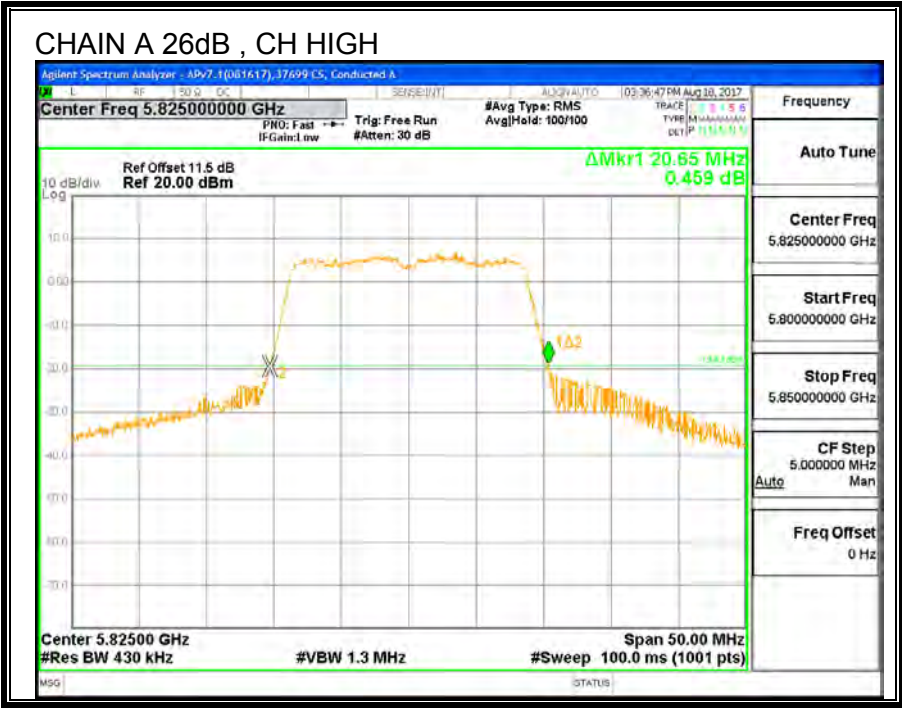
None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW CHAIN A (MHz)	26 dB BW CHAIN B (MHz)
Low	5745	20.60	20.35
Mid	5785	20.45	20.40
High	5825	20.65	20.30







9.14.3. 99% BANDWIDTH

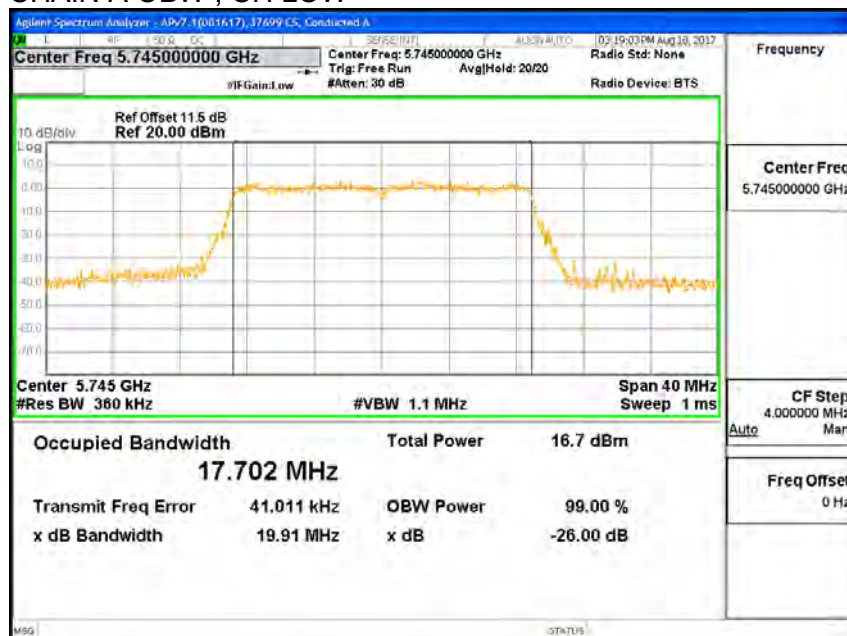
LIMITS

None; for reporting purposes only.

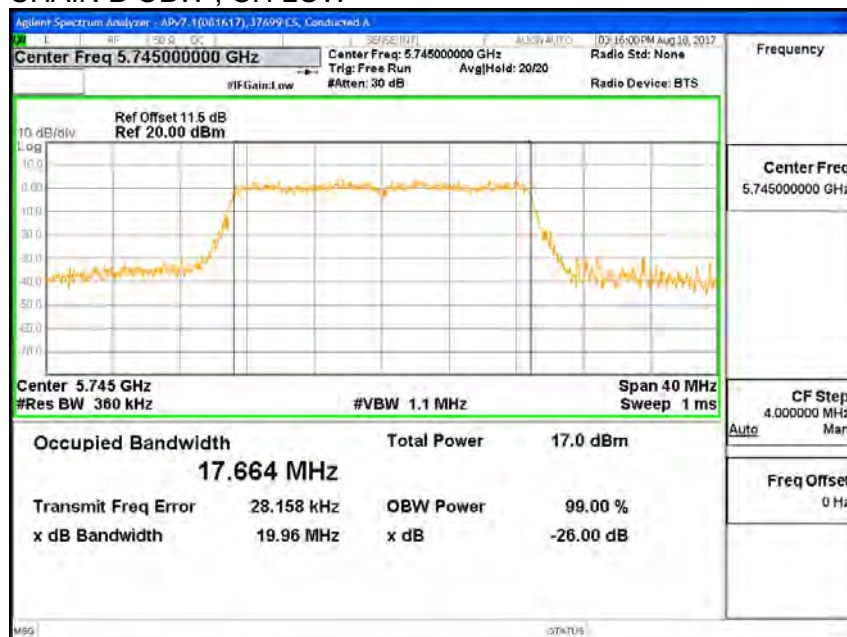
RESULTS

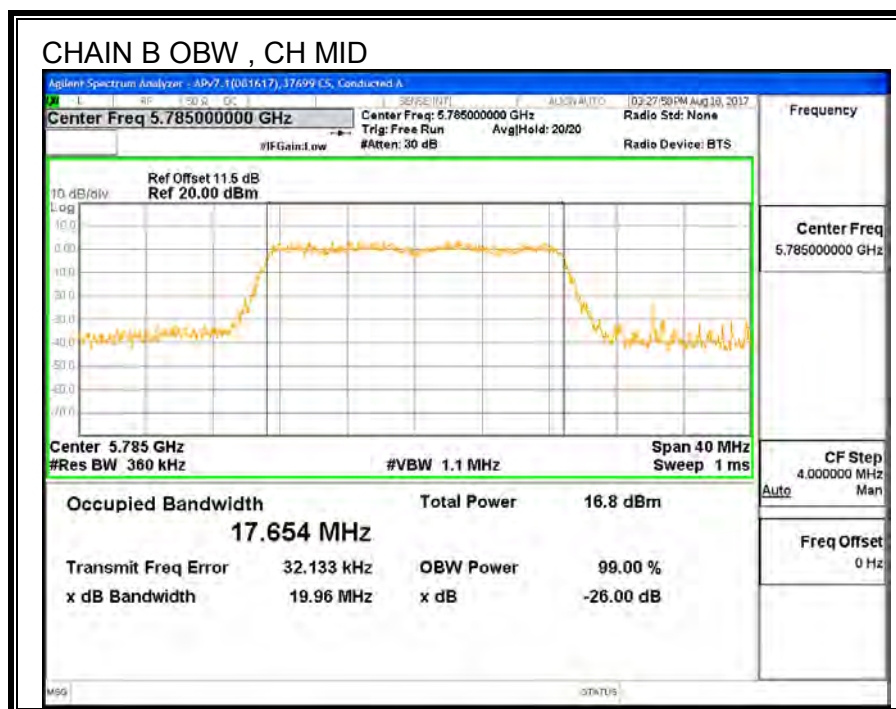
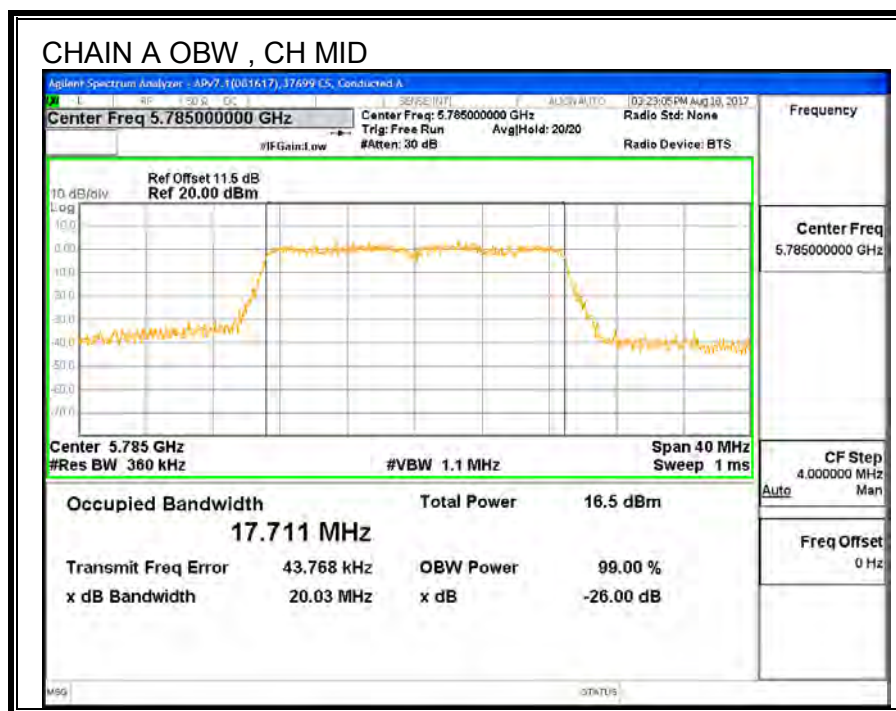
Channel	Frequency	99% BW CHAIN A (MHz)	99% BW CHAIN B (MHz)
Low	5745	17.702	17.664
Mid	5785	17.711	17.654
High	5825	17.706	17.730

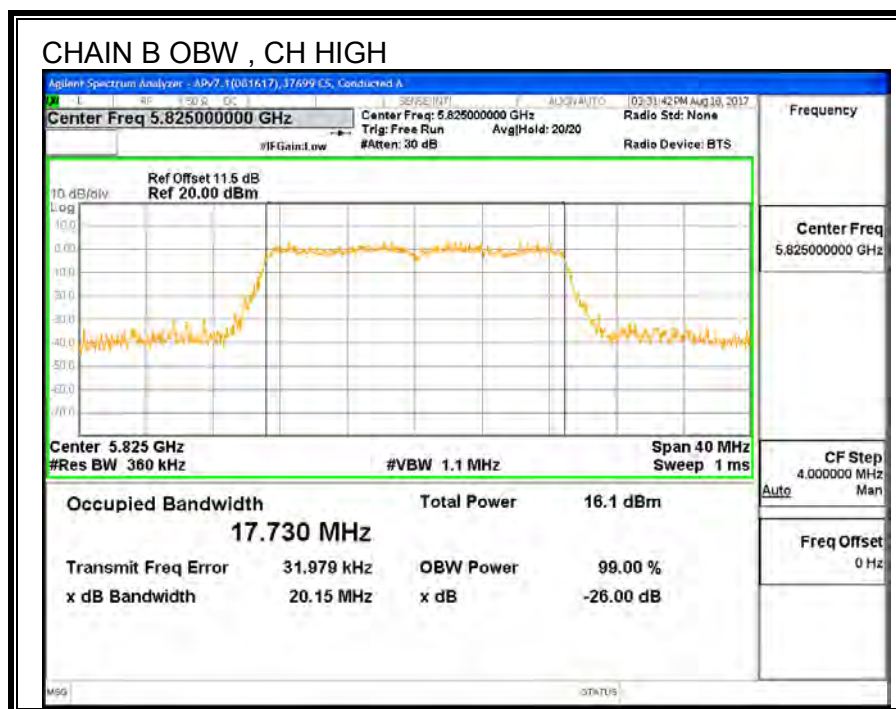
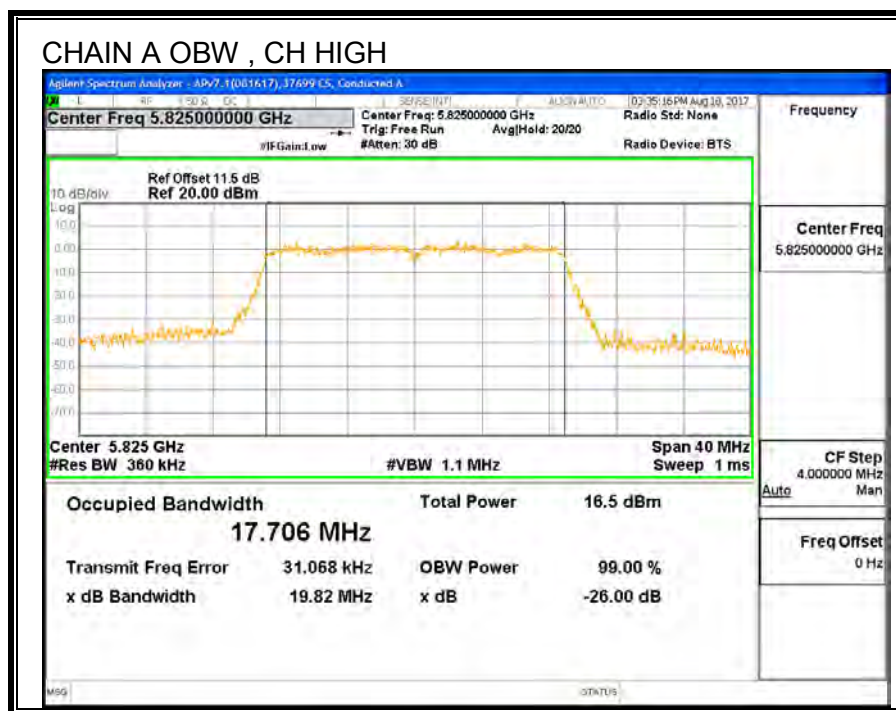
CHAIN A OBW , CH LOW



CHAIN B OBW , CH LOW







9.14.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

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

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.51	2.38	2.45	5.46

RESULTS

ID:	37699 CS	Date:	8/11/17
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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	17.66	2.45	5.46
Mid	5785	20.40	17.65	2.45	5.46
High	5805	20.30	17.71	2.45	5.46
144	5720	5.13	3.84	2.45	5.46

Limits

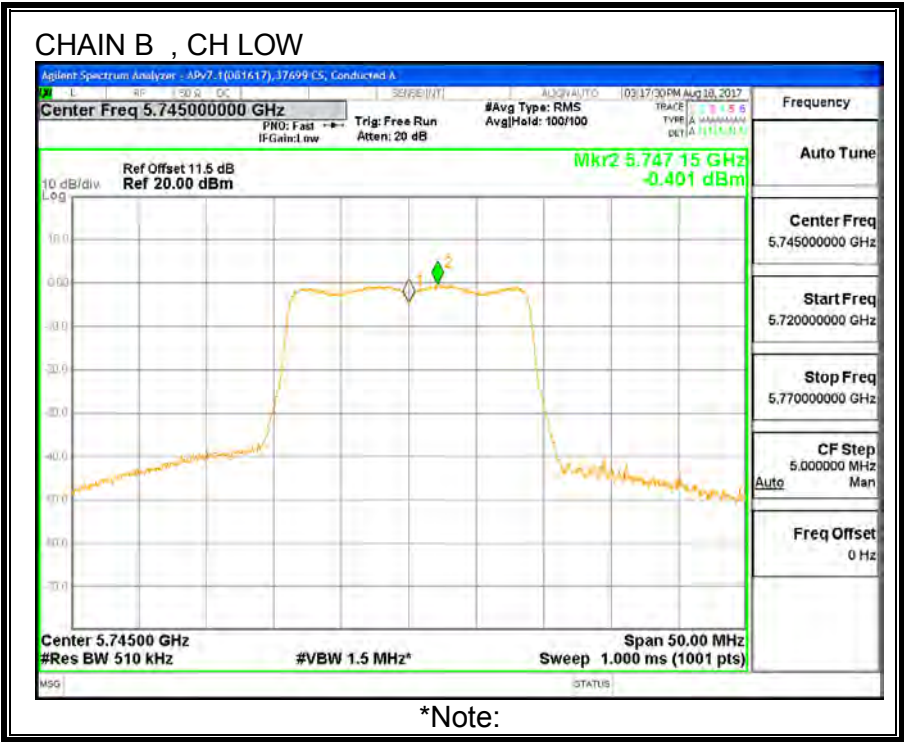
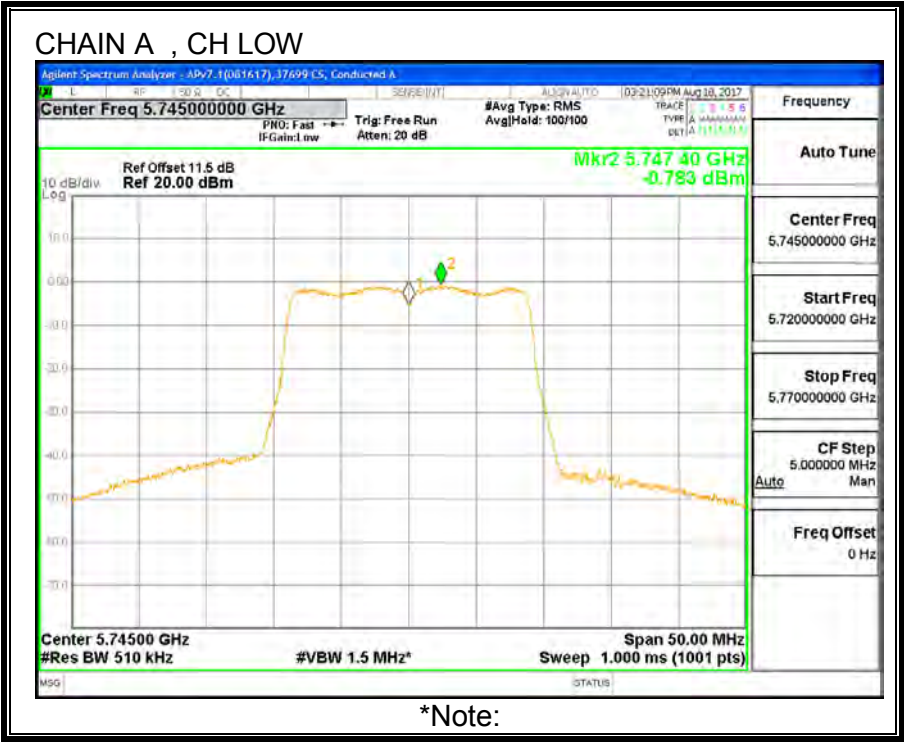
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
Low	5745	30.00	29.47	35.47	29.47	30.00	30.00	30.00
Mid	5785	30.00	29.47	35.47	29.47	30.00	30.00	30.00
High	5805	30.00	29.48	35.48	29.48	30.00	30.00	30.00
144	5720	24.10	22.84	28.84	22.84	30.00	30.00	30.00

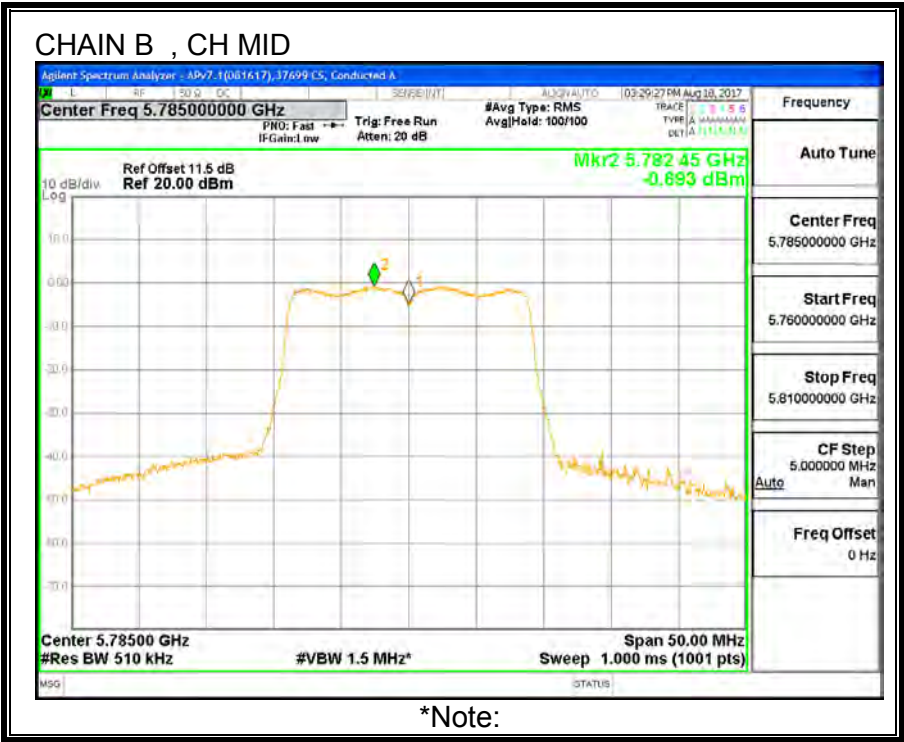
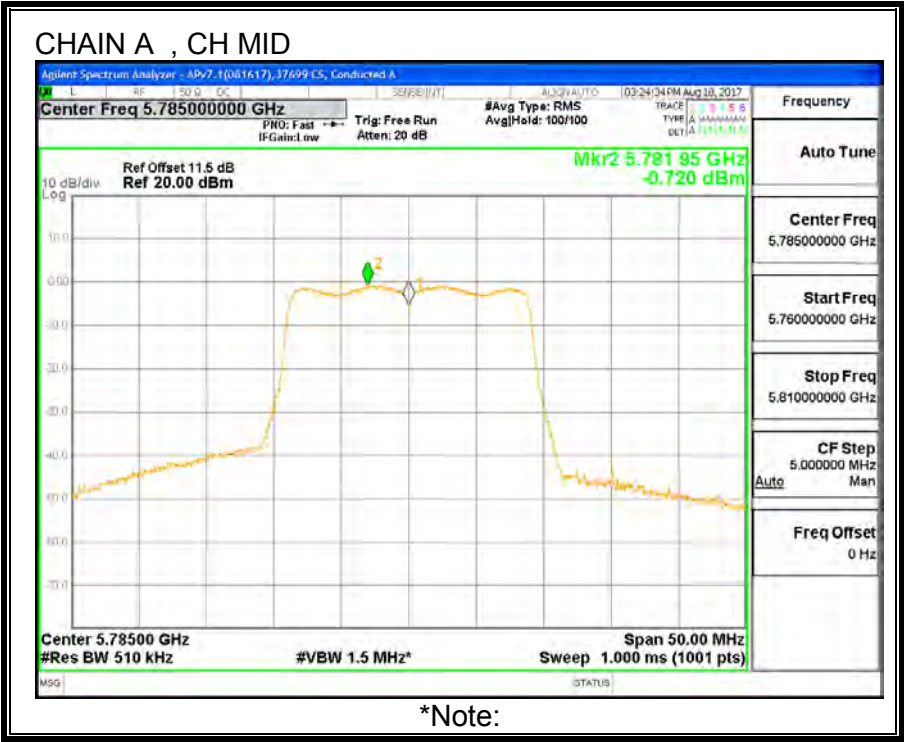
Output Power Results

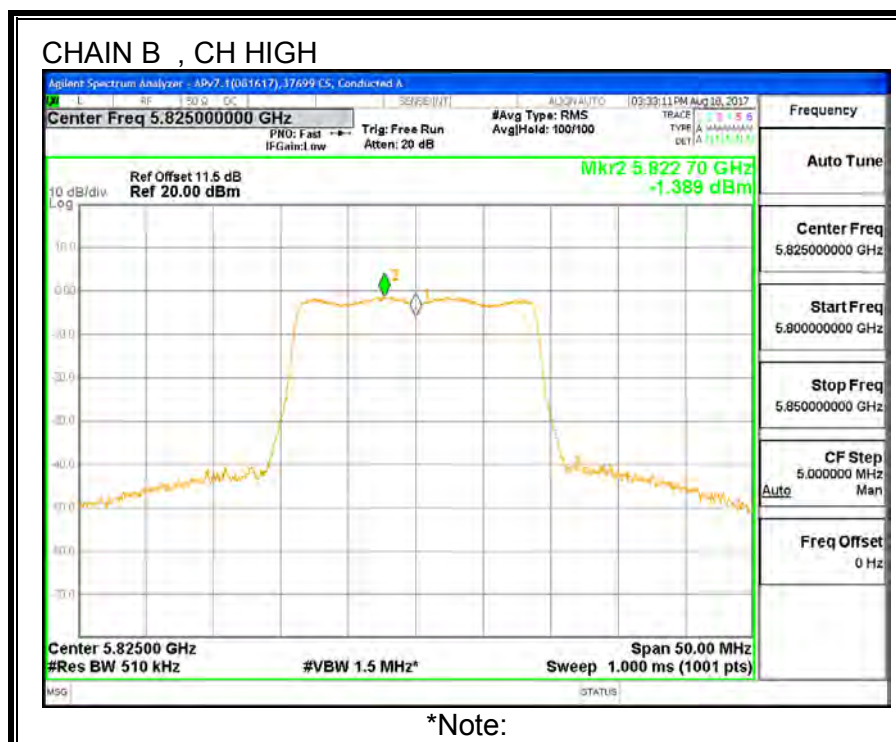
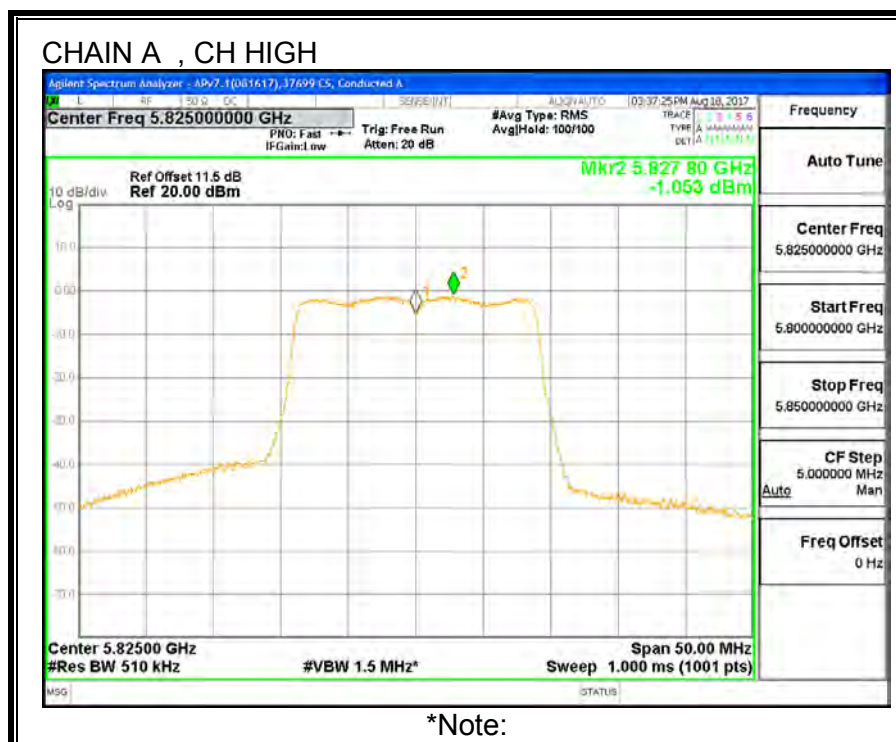
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	11.84	12.06	14.96	29.47	-14.51
Mid	5785	12.13	12.09	15.12	29.47	-14.35
High	5805	12.04	11.78	14.92	29.48	-14.56
144	5720	7.40	7.81	10.62	22.84	-12.22

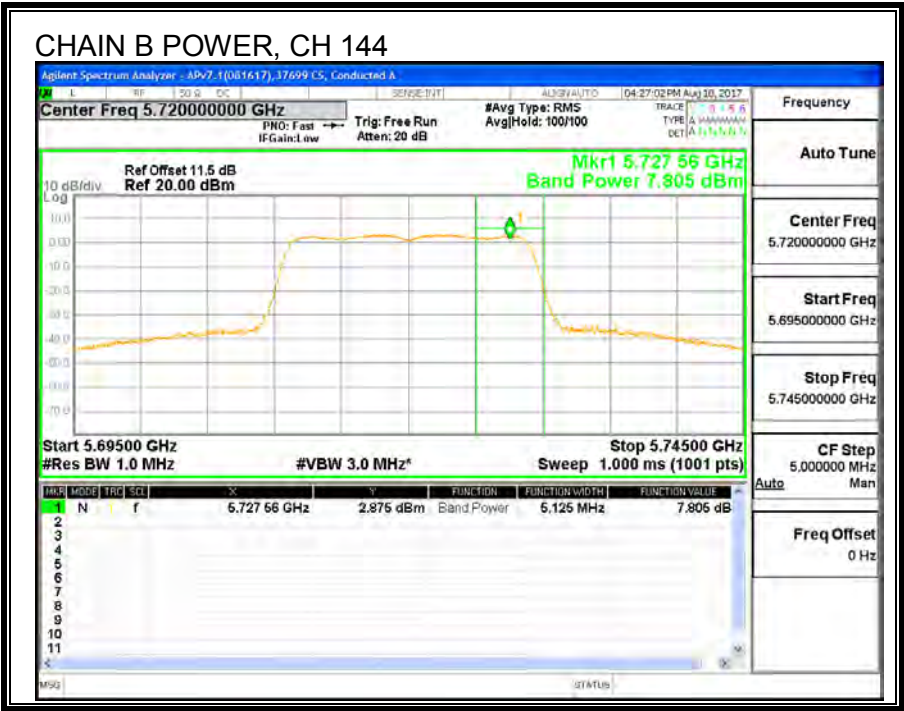
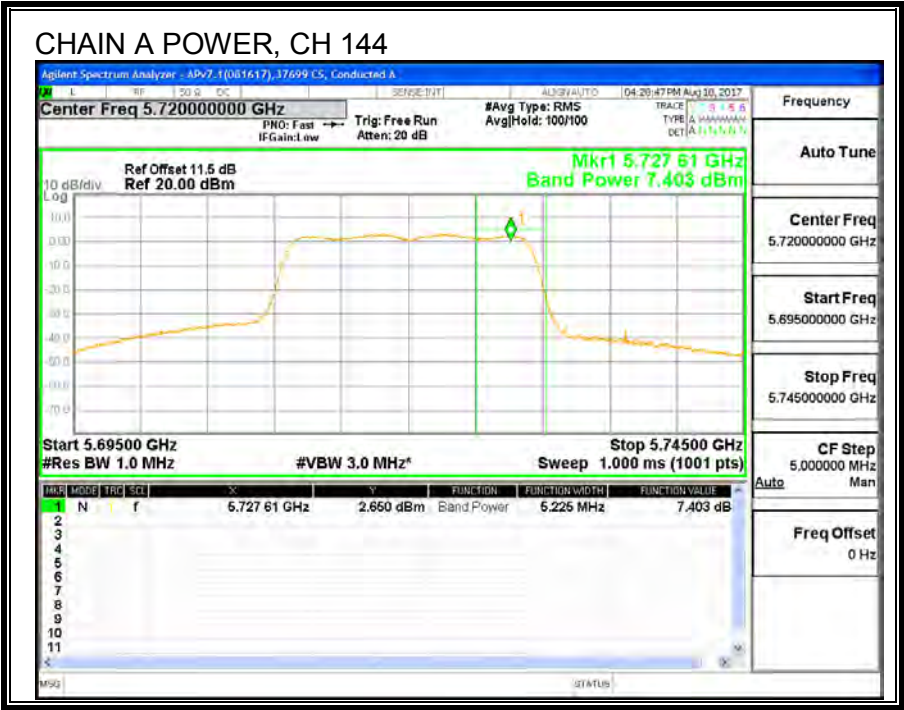
PPSD Results

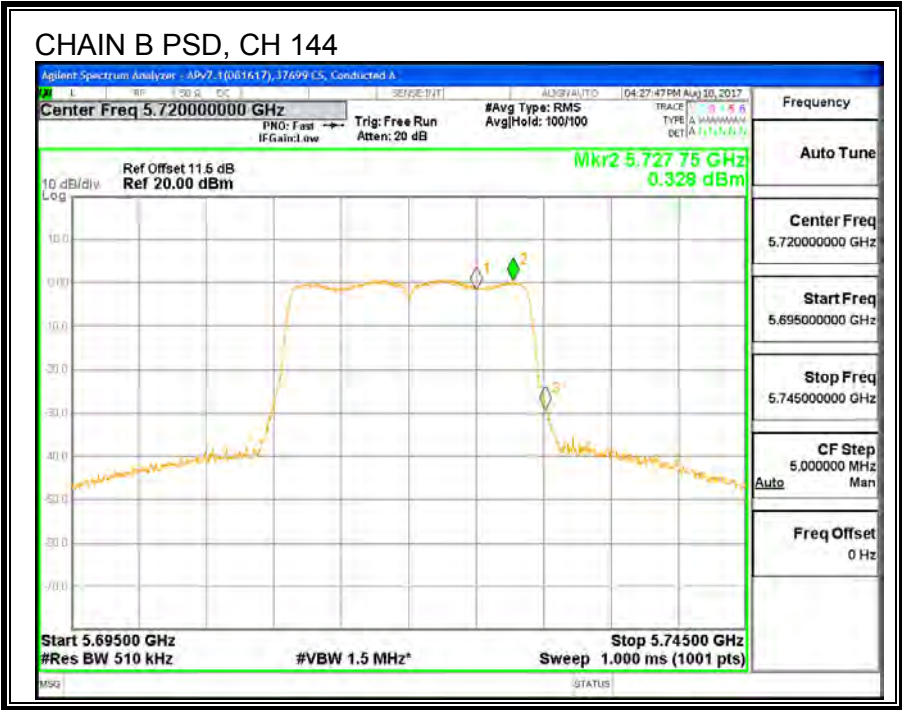
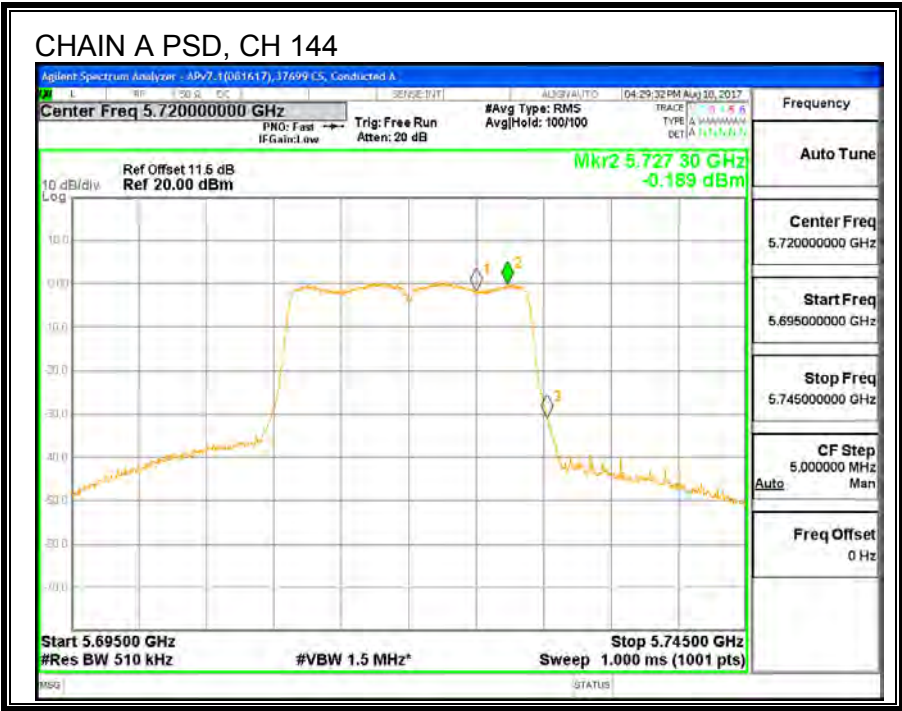
Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5745	-0.78	-0.40	2.42	30.00	-27.58
Mid	5785	-0.72	-0.69	2.30	30.00	-27.70
High	5805	-1.05	-1.39	1.79	30.00	-28.21
144	5720	-0.19	0.33	3.09	30.00	-26.91











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

9.15.1. 6 dB BANDWIDTH

LIMITS

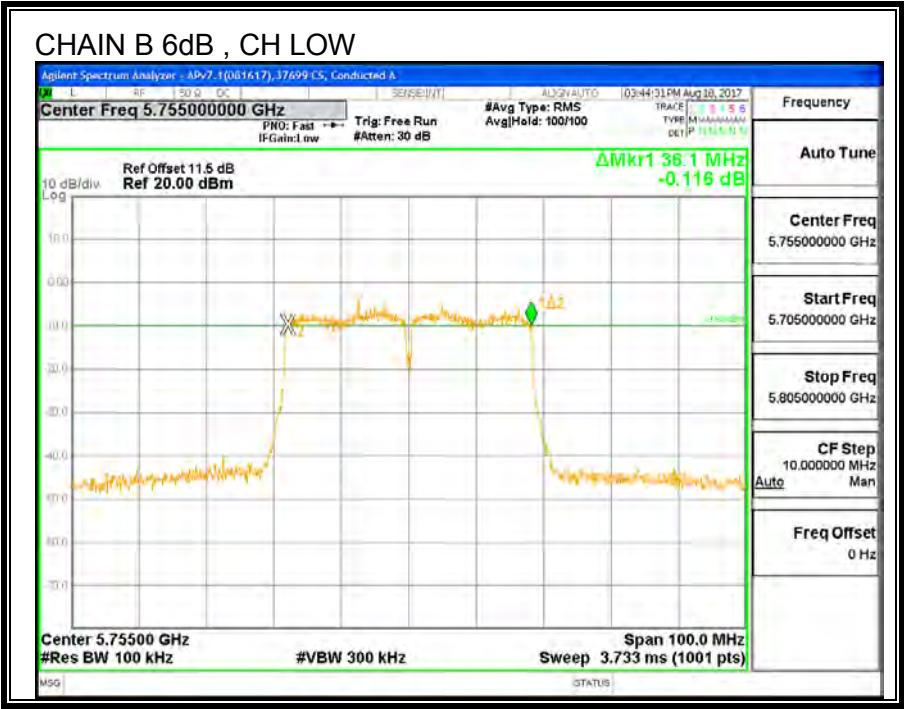
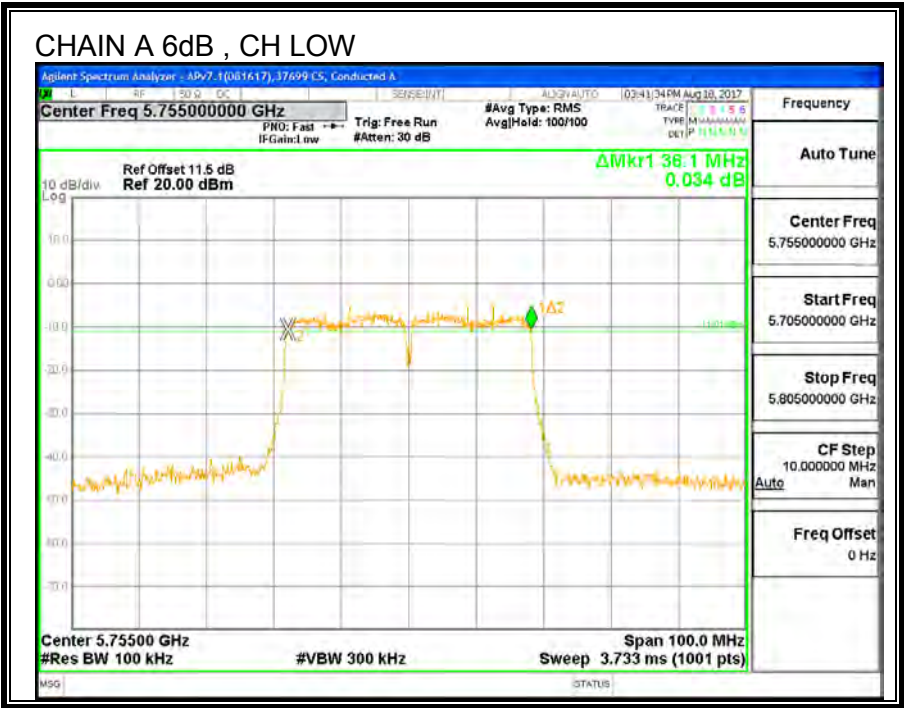
FCC §15.407 (e)

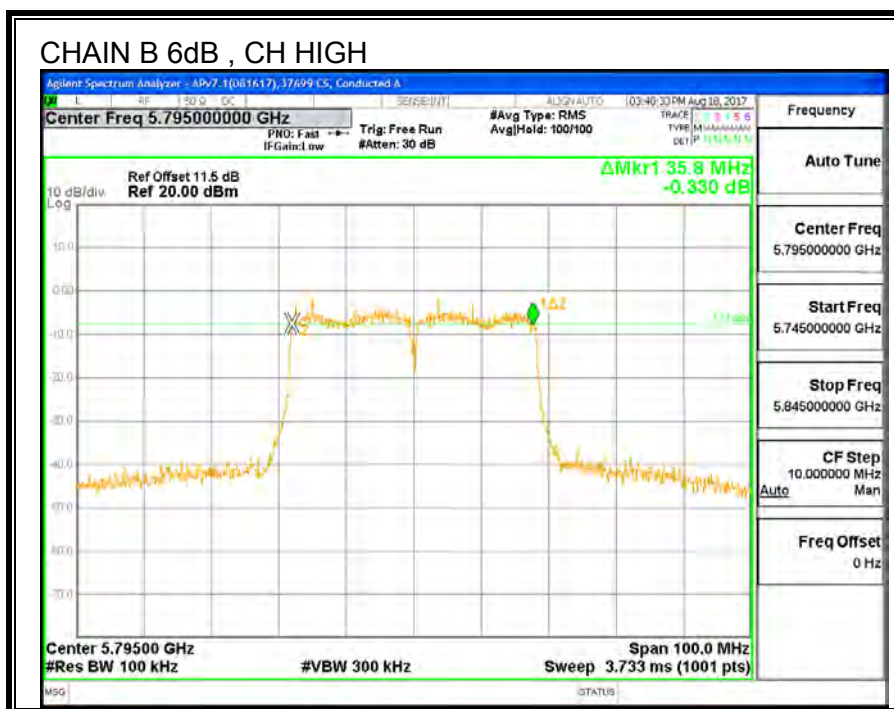
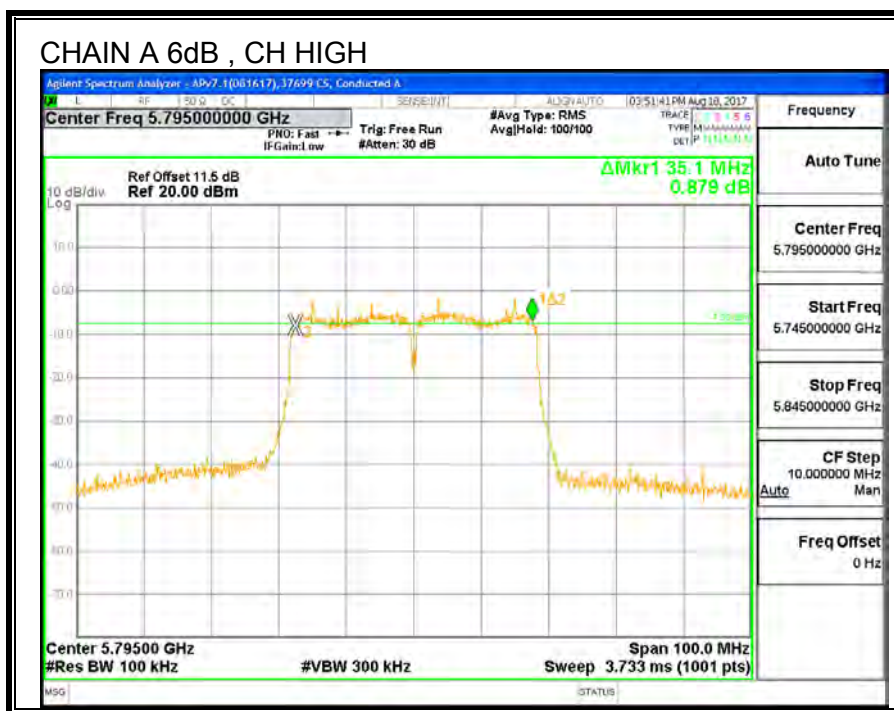
IC RSS-247 (6.2.4) (1)

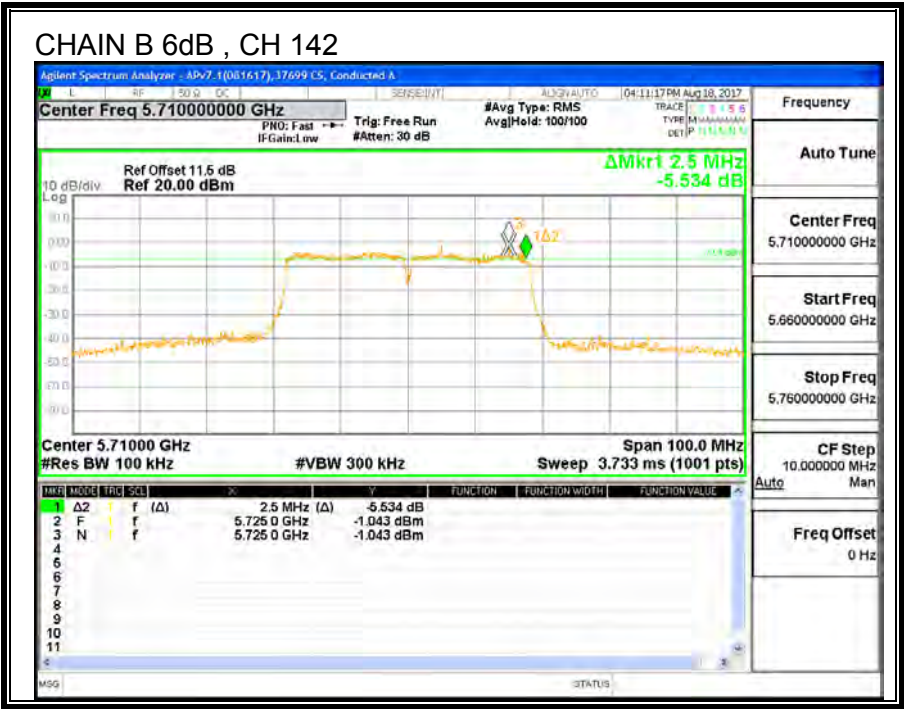
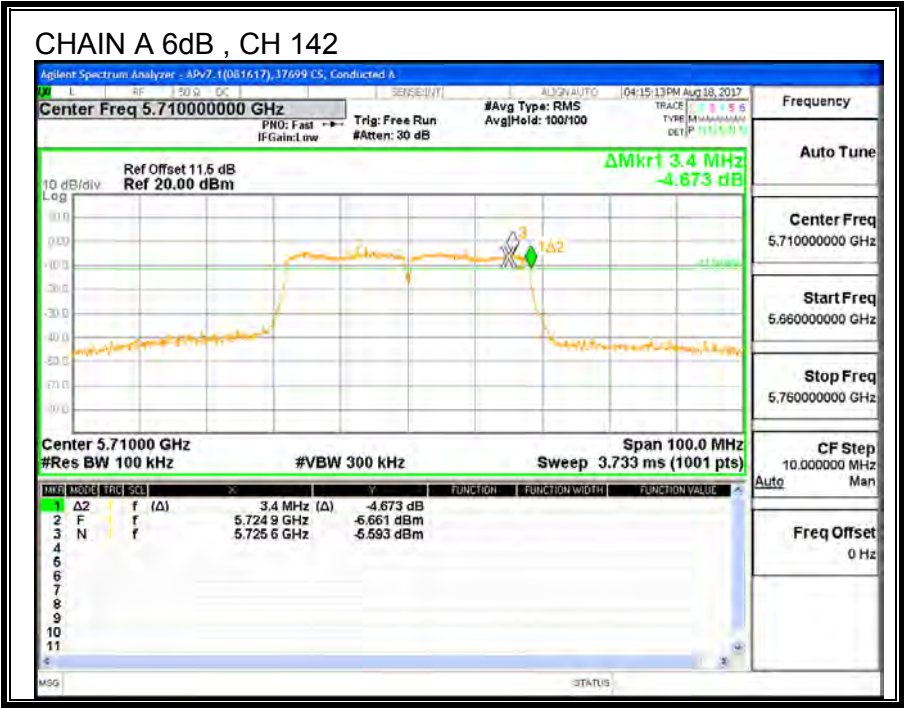
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency	6 dB BW CHAIN A (MHz)	6 dB BW CHAIN B (MHz)	Minimum Limit (MHz)
Low	5755	36.1	36.1	0.5
High	5795	35.1	35.8	0.5
142	5710	3.4	2.5	0.5







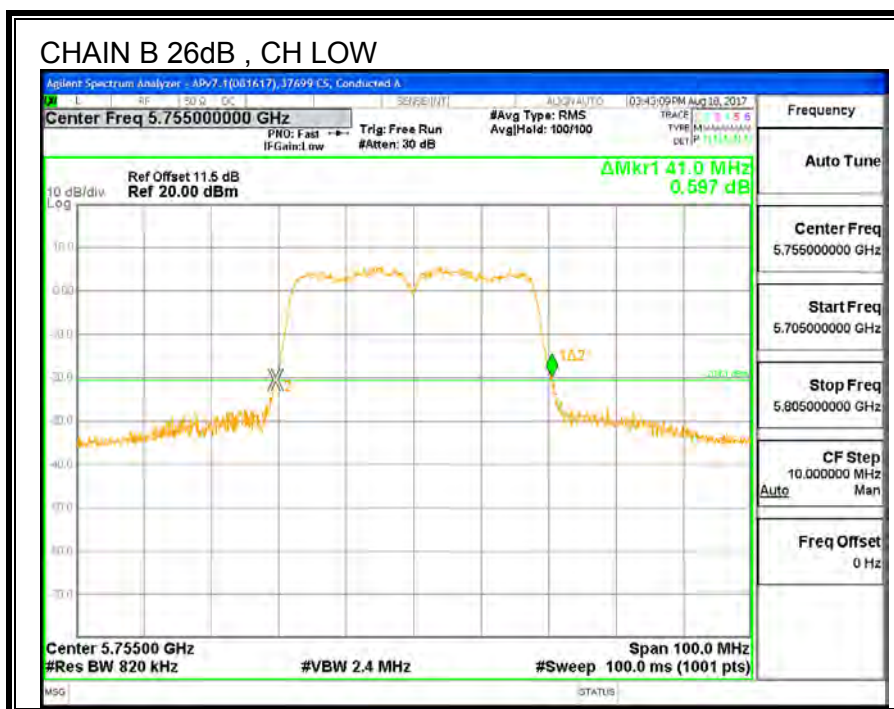
9.15.2. 26 dB BANDWIDTH

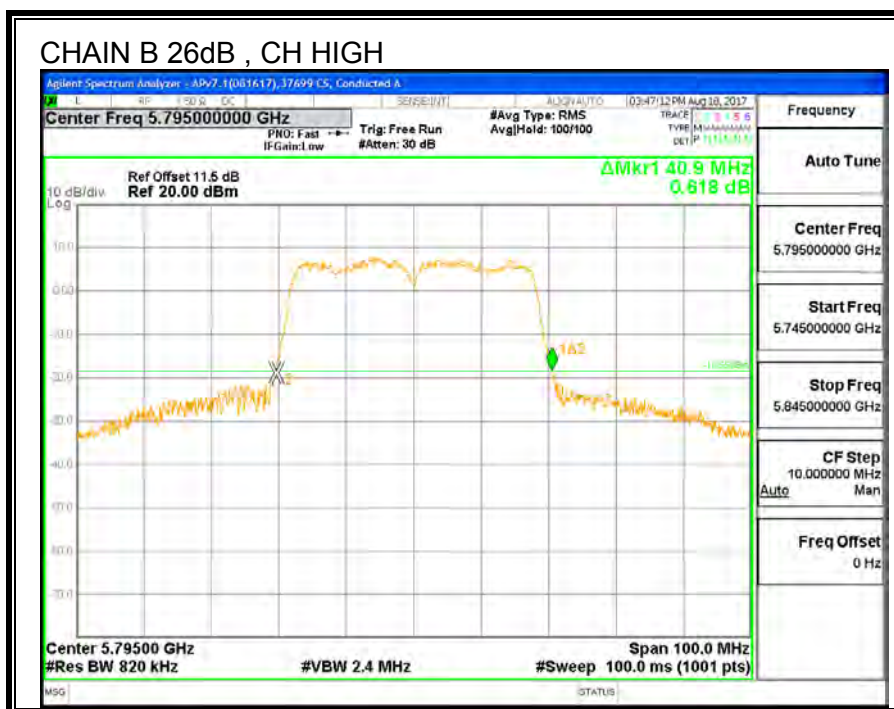
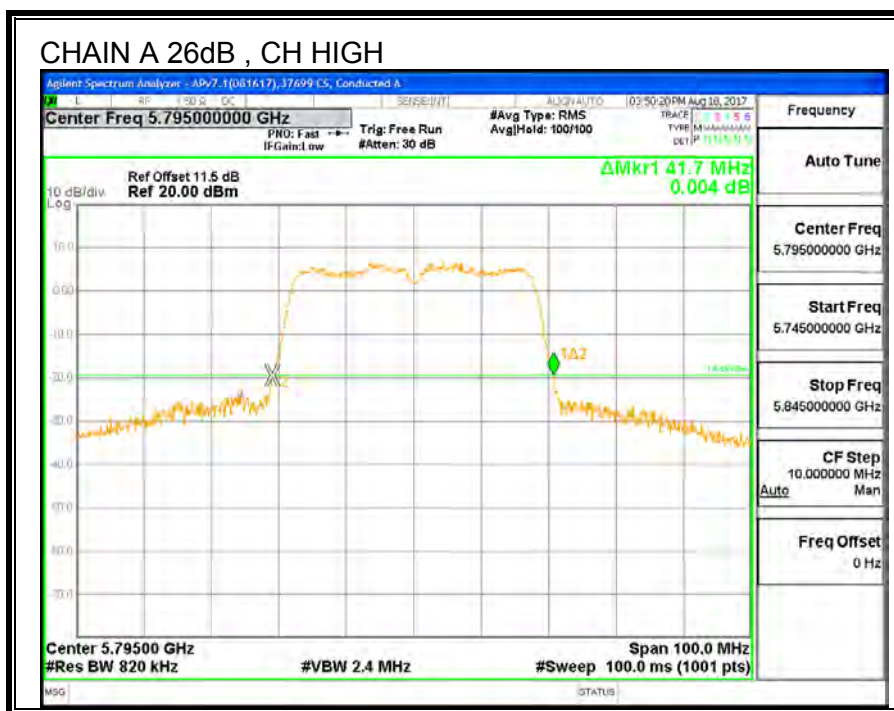
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW CHAIN A (MHz)	26 dB BW CHAIN B (MHz)
Low	5755	41.5	41.0
High	5795	41.7	40.9





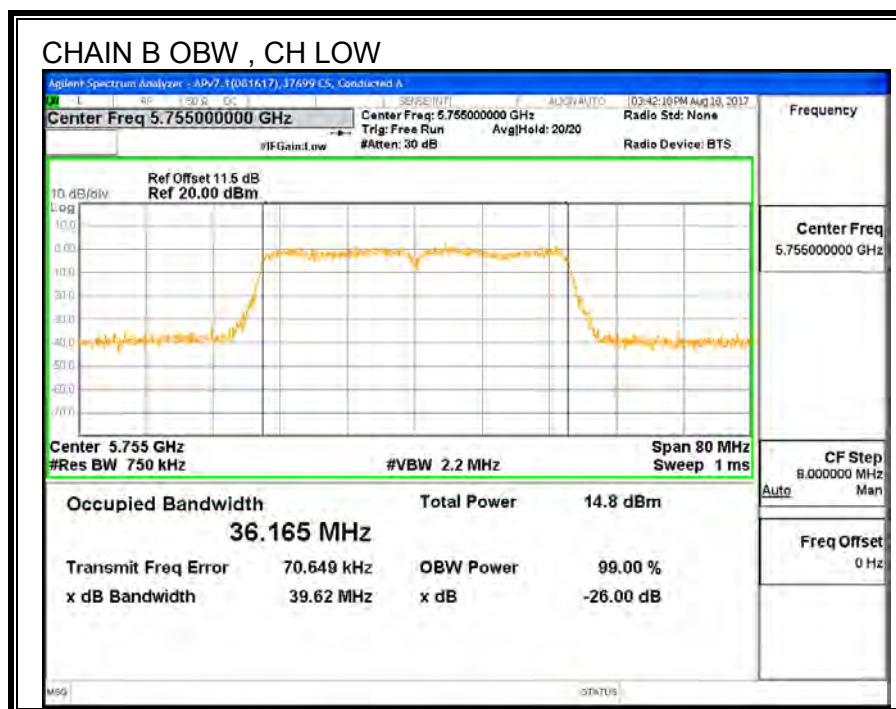
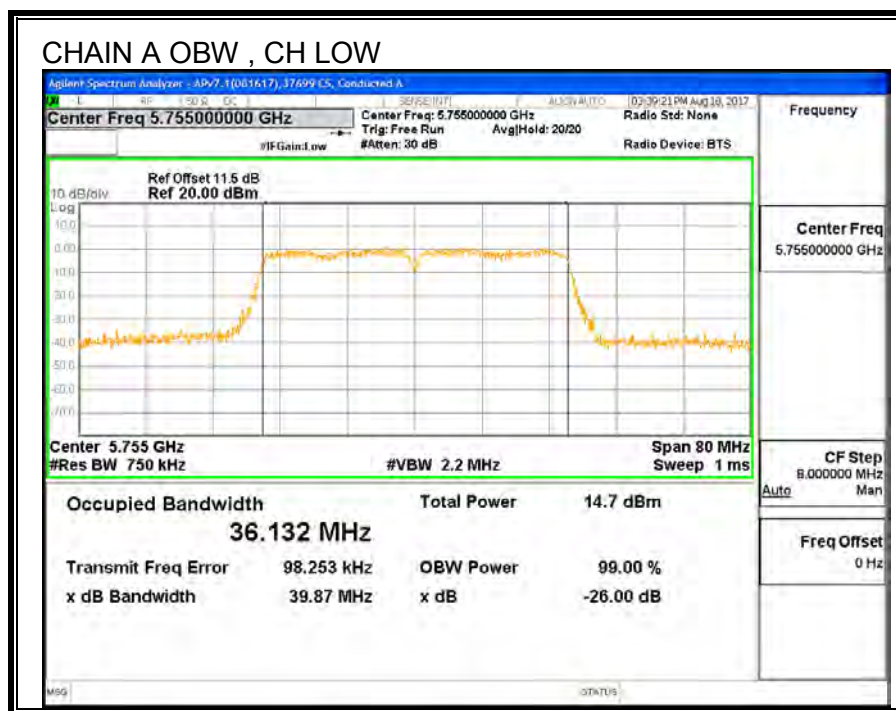
9.15.3. 99% BANDWIDTH

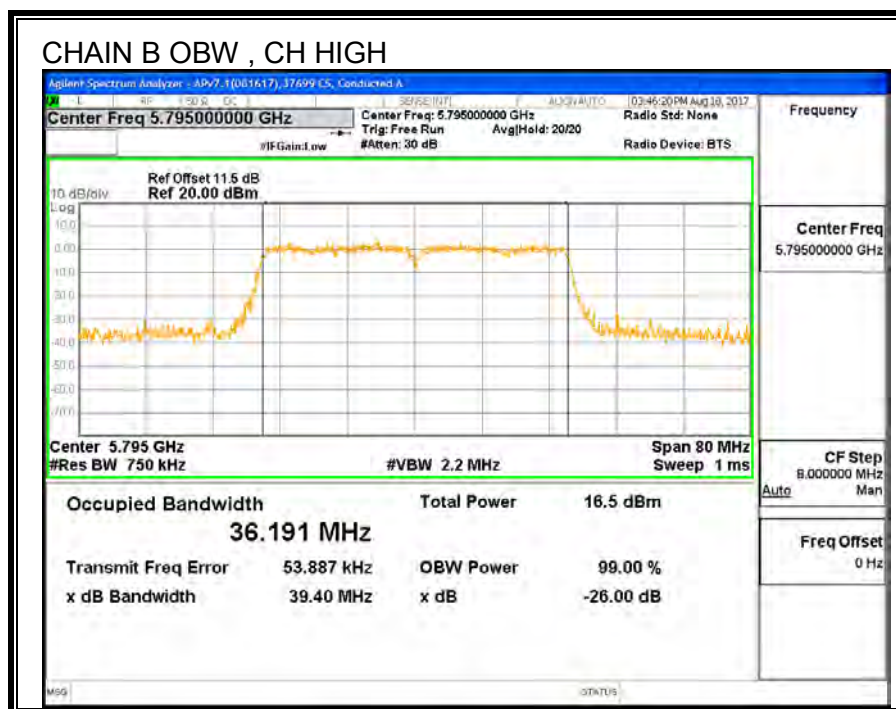
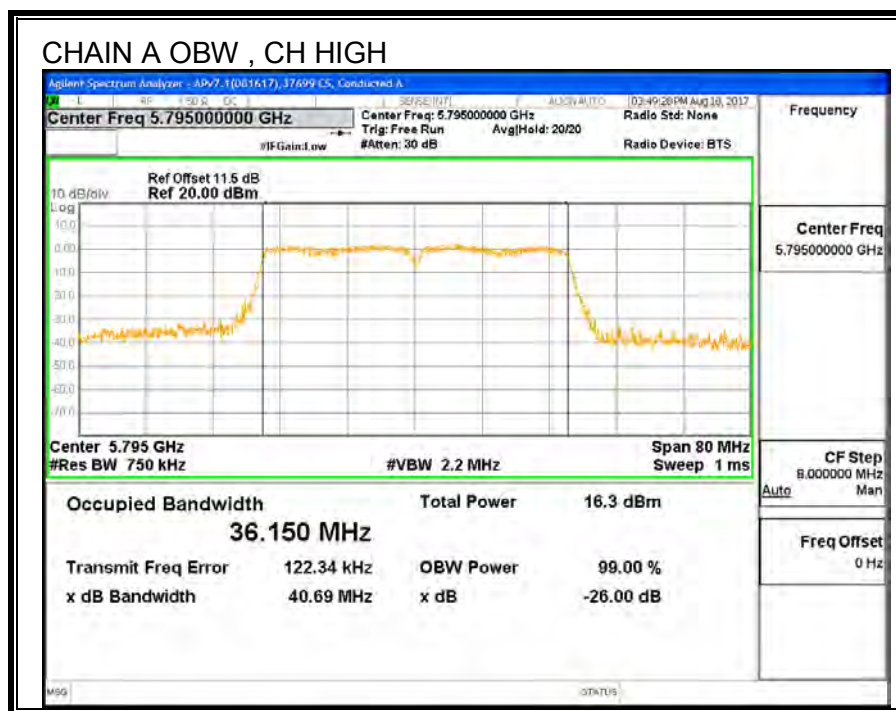
LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW CHAIN A (MHz)	99% BW CHAIN B (MHz)
Low	5755	36.132	36.165
High	5795	36.150	36.191





9.15.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

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

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.51	2.38	2.45	5.46

RESULTS

ID:	37699 CS	Date:	8/11/17
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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	5755	41	36.13	2.45	5.46
High	5795	40.9	36.15	2.45	5.46
142	5710	5.4	3.10	2.45	5.46

Limits

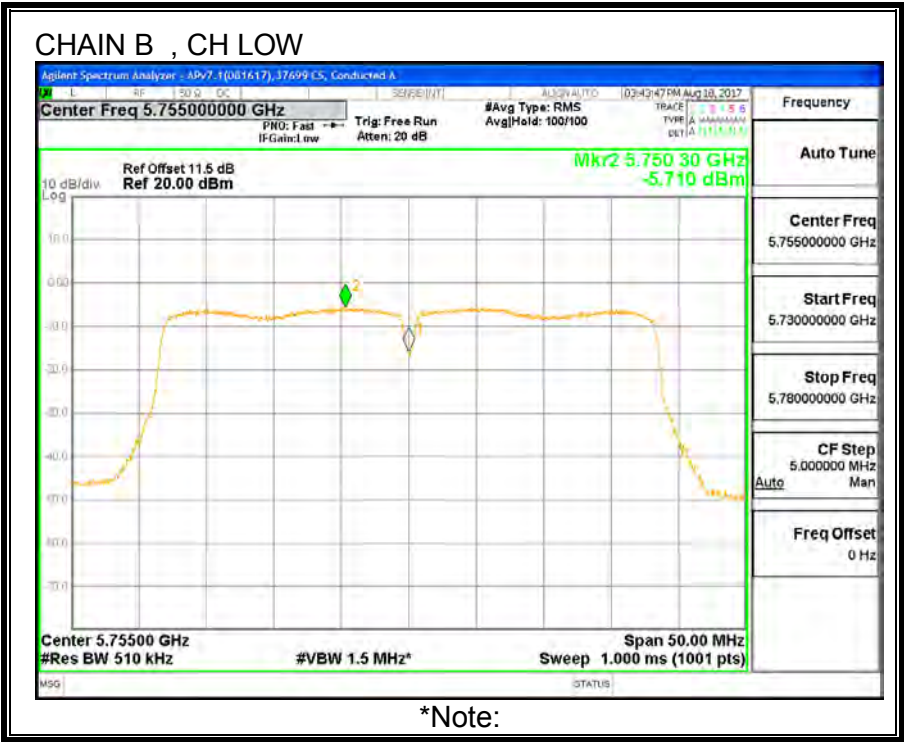
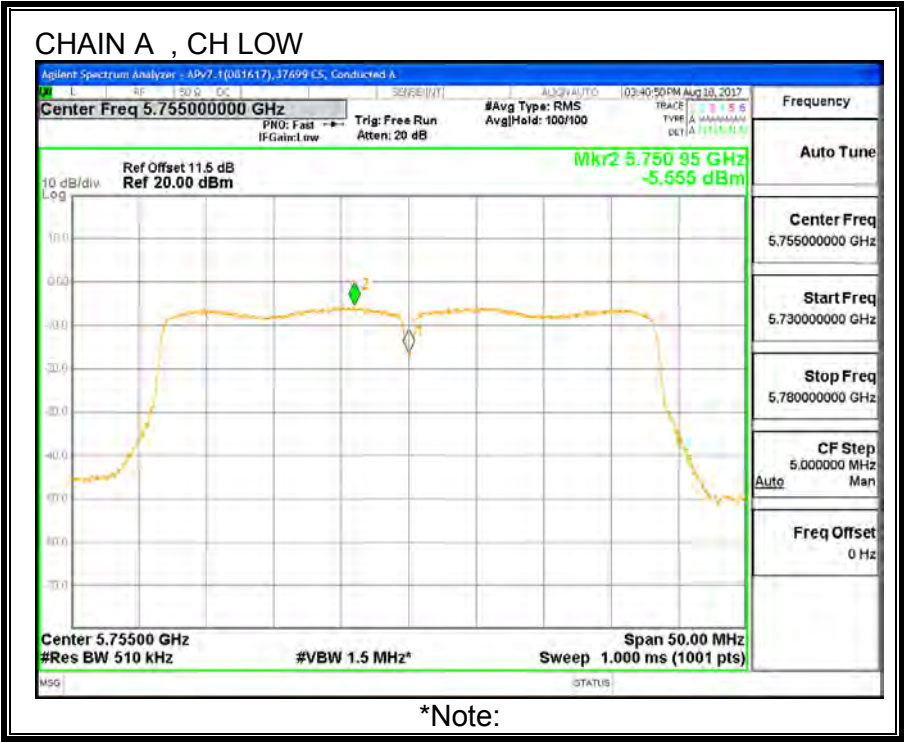
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
Low	5755	30.00	30.00	36.00	30.00	30.00	17.00	17.00
High	5795	30.00	30.00	36.00	30.00	30.00	17.00	17.00
142	5710	24.32	21.91	27.91	21.91	30.00	17.00	17.00

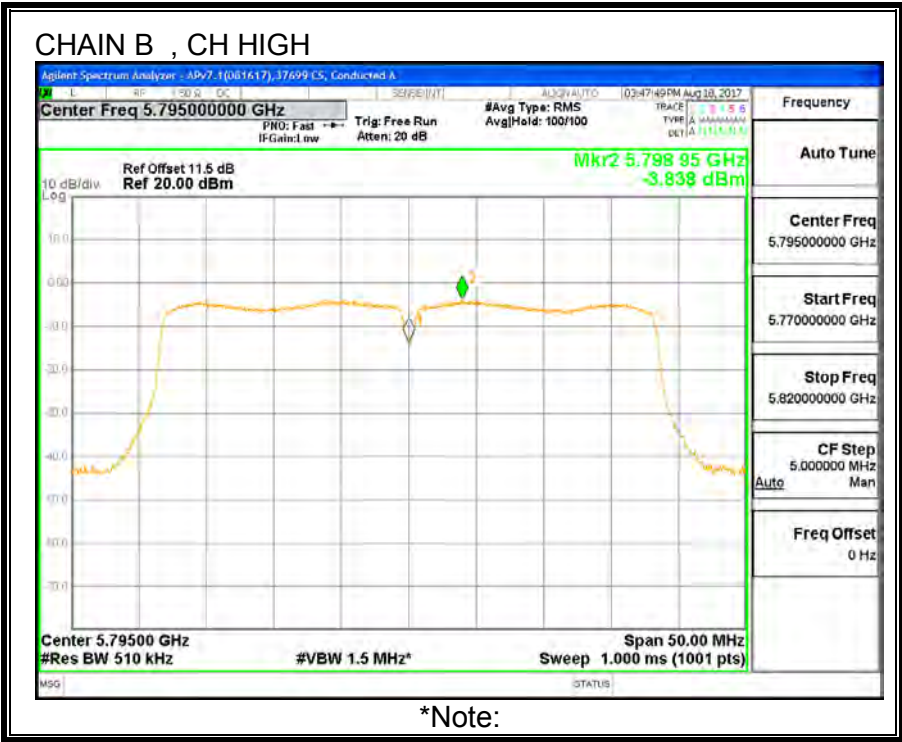
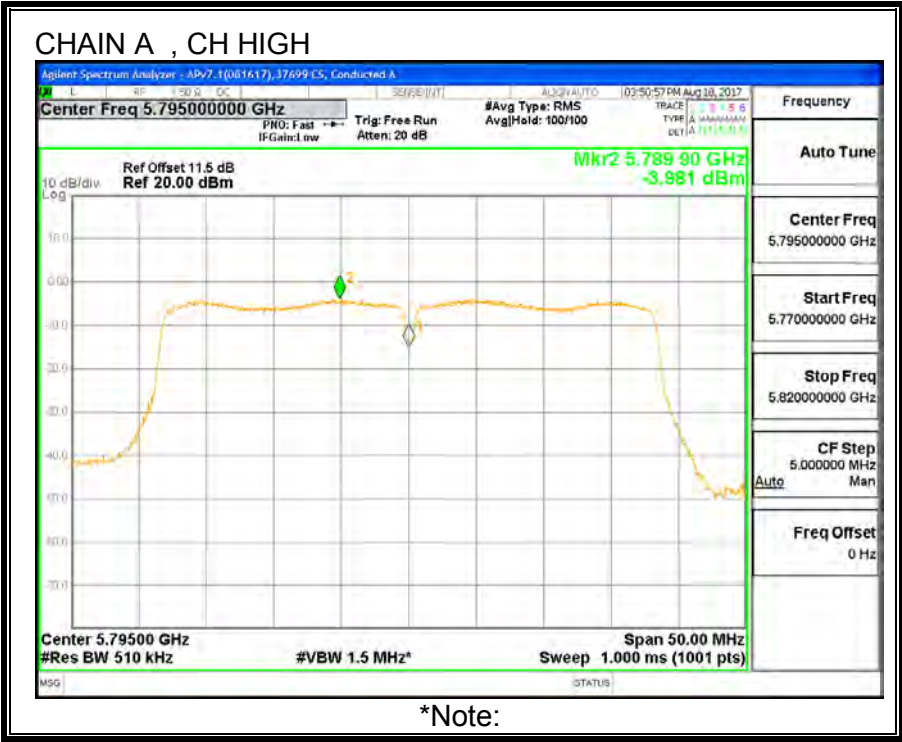
Output Power Results

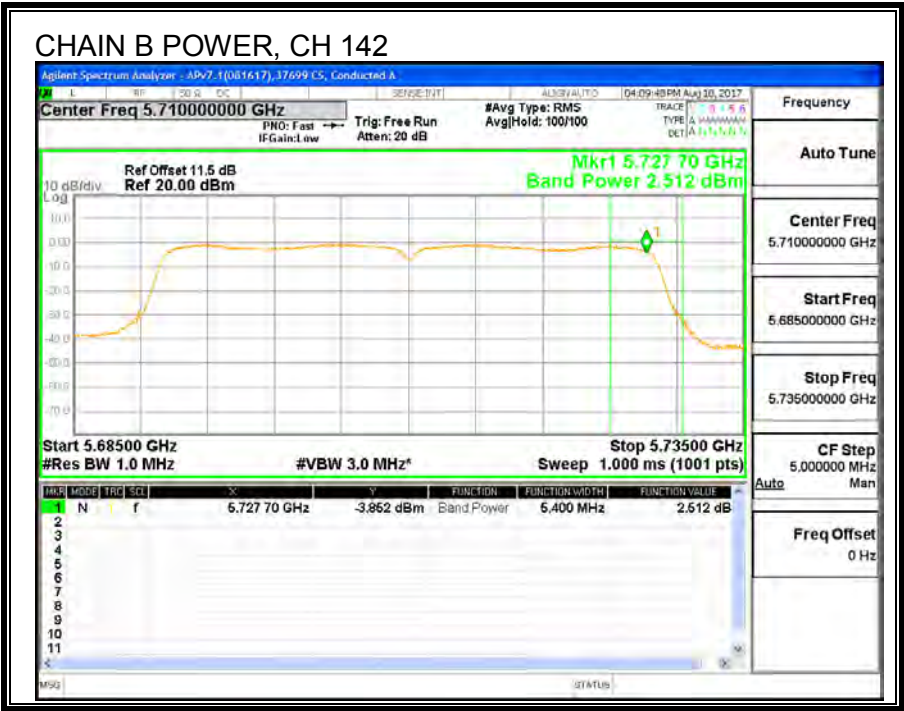
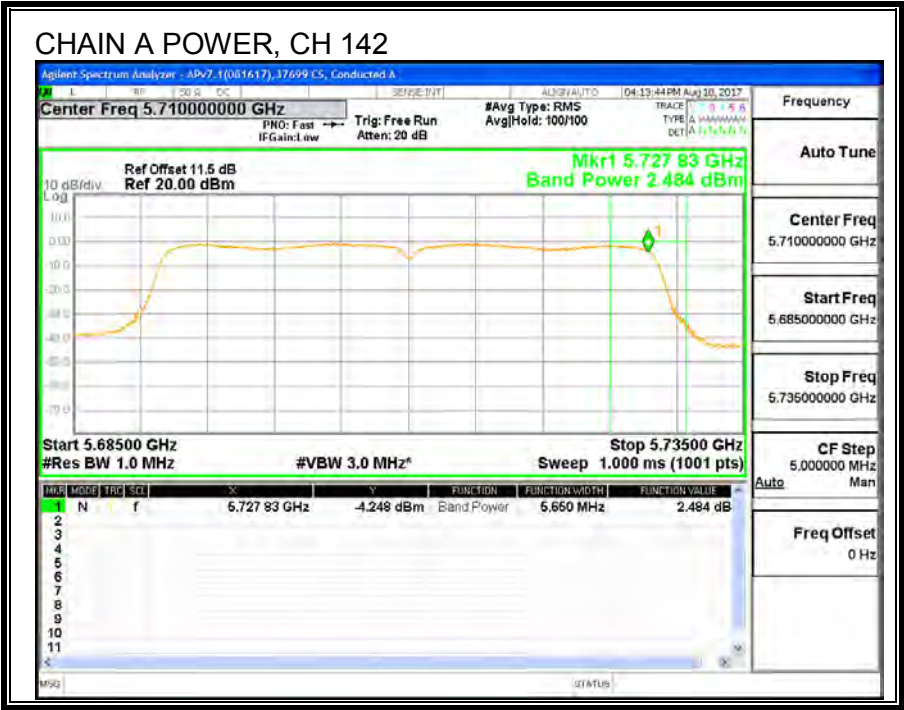
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	10.11	9.81	12.97	30.00	-17.03
High	5795	12.27	12.33	15.31	30.00	-14.69
142	5710	2.48	2.51	5.51	21.91	-16.40

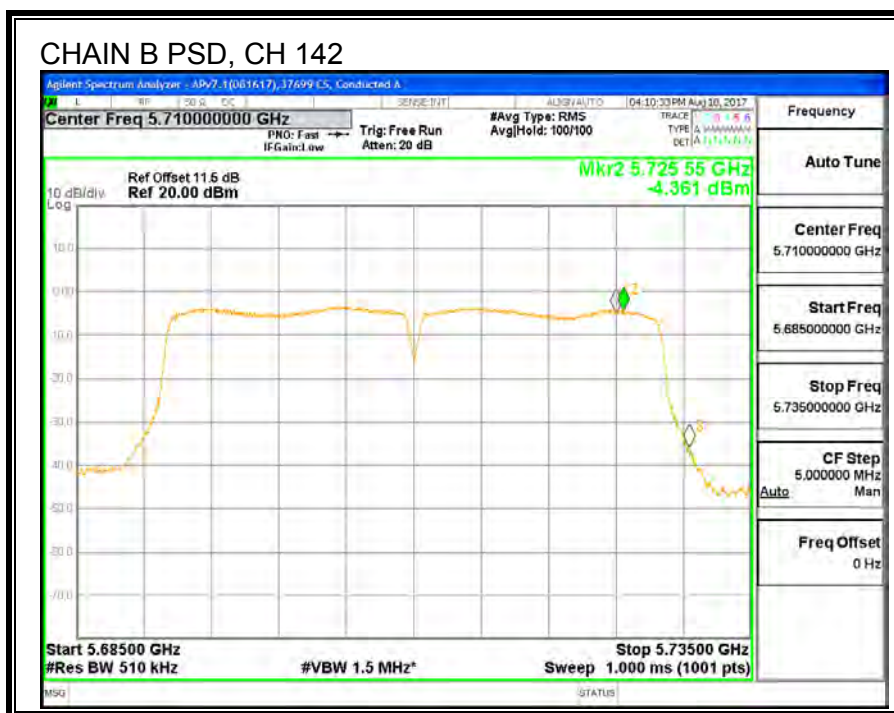
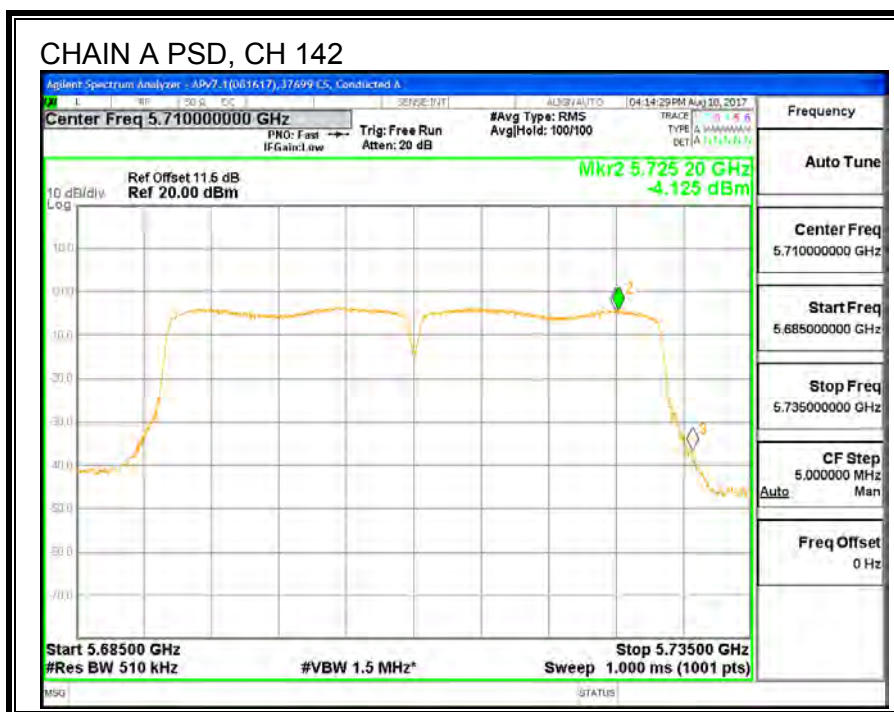
PPSD Results

Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
Low	5755	-5.56	-5.71	-2.62	17.00	-19.62
High	5795	-3.98	-3.84	-0.90	17.00	-17.90
142	5710	-4.13	-4.36	-1.23	17.00	-18.23









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

9.16.1. 6 dB BANDWIDTH

LIMITS

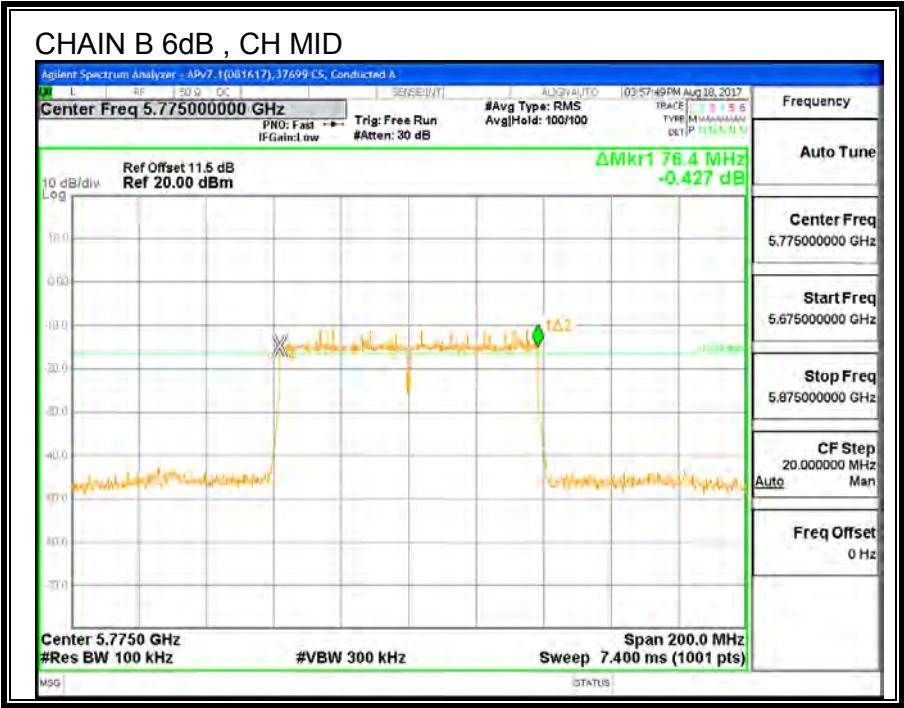
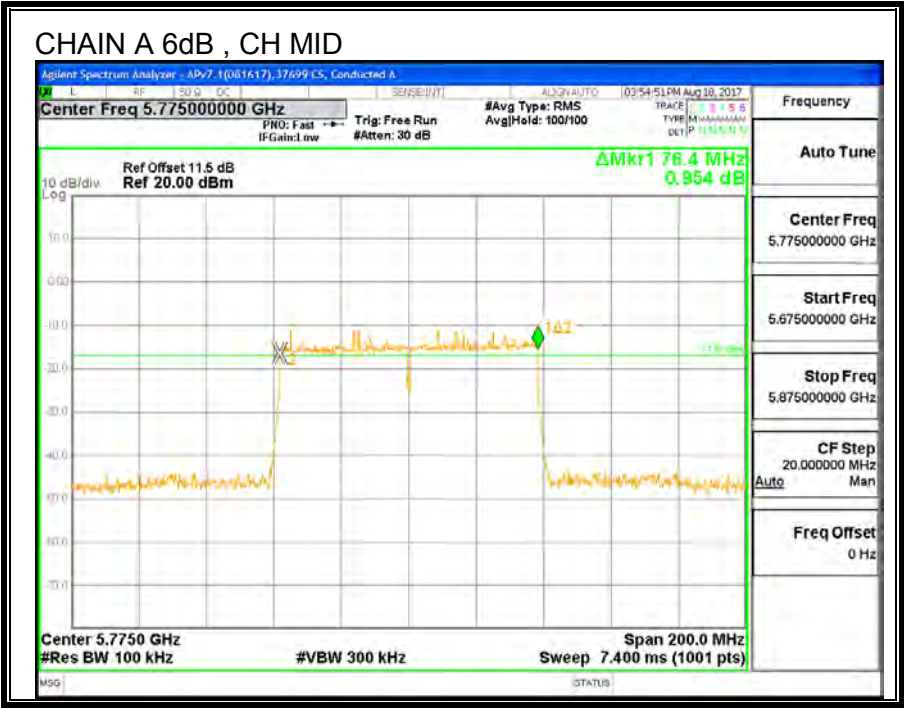
FCC §15.407 (e)

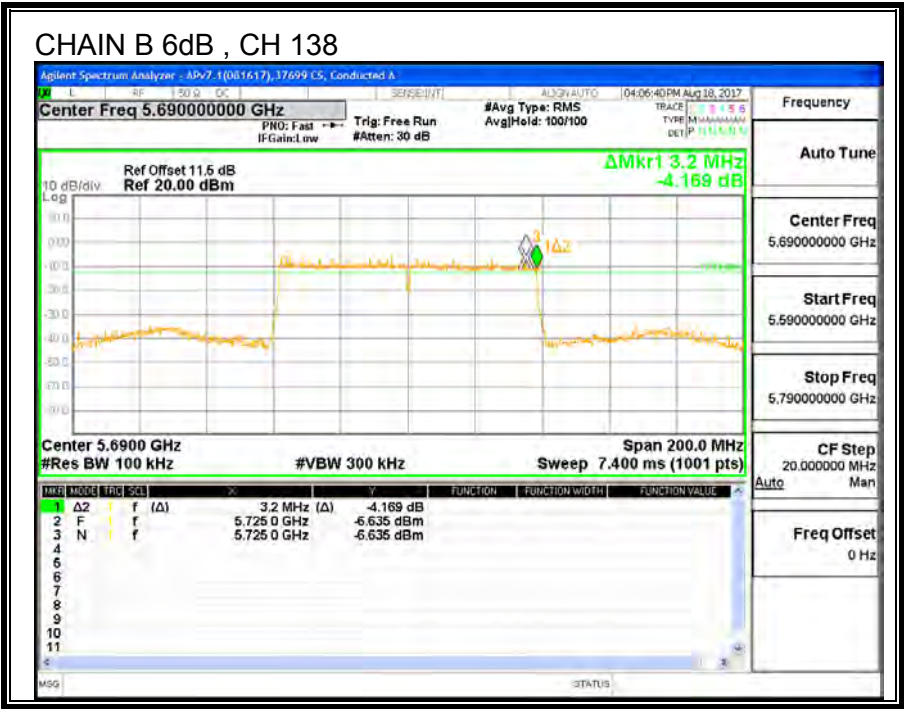
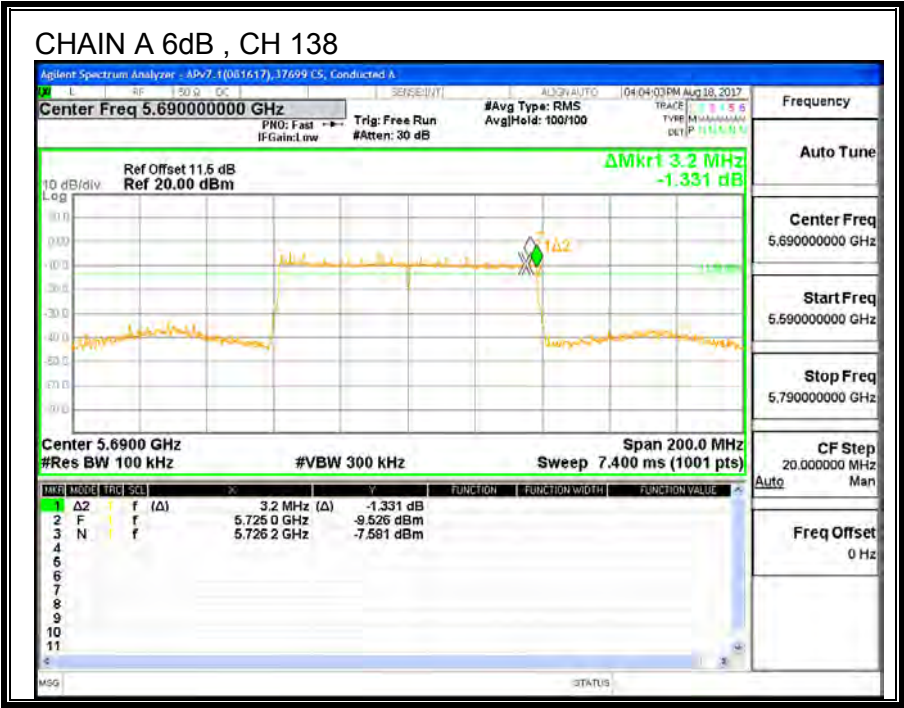
IC RSS-247 (6.2.4) (1)

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

RESULTS

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





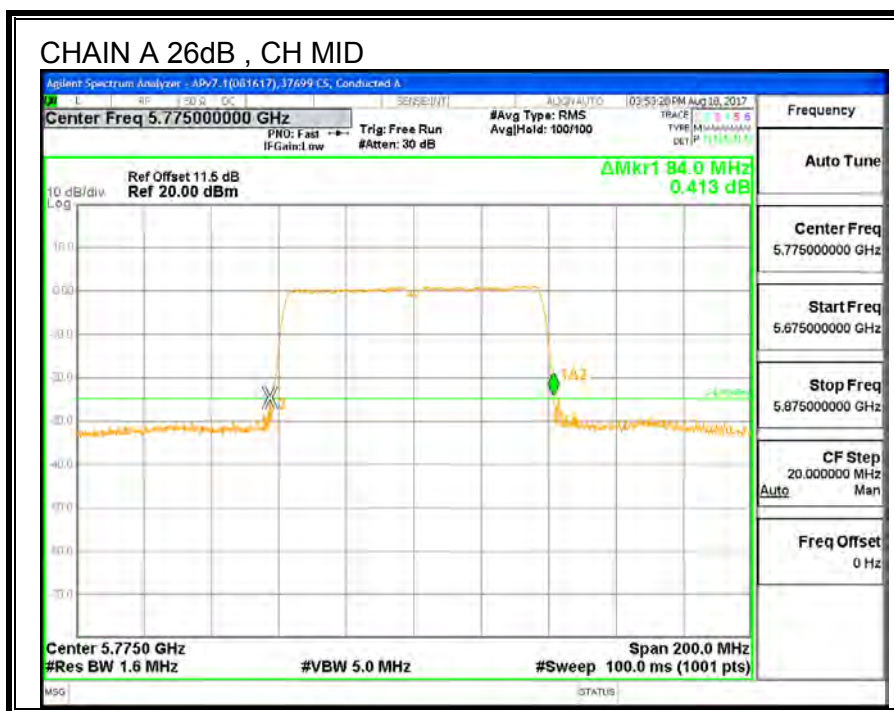
9.16.2. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	26 dB BW CHAIN A (MHz)	26 dB BW CHAIN B (MHz)
155	5775	84.0	82.4



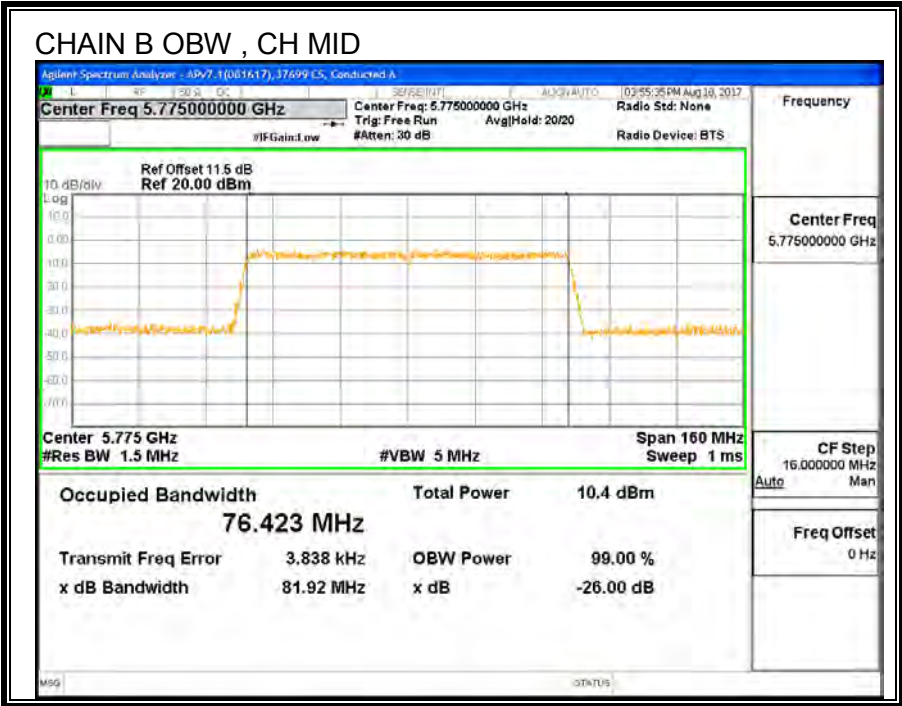
9.16.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency	99% BW CHAIN A (MHz)	99% BW CHAIN B (MHz)
155	5775	76.34	76.423



9.16.4. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (3)

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

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Chain A Antenna Gain (dBi)	Chain B Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.51	2.38	2.45	5.46

RESULTS

ID:	37699 CS	Date:	8/11/17
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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	76.34	2.45	5.46
138	5690	6.20	3.16	2.45	5.46

Limits

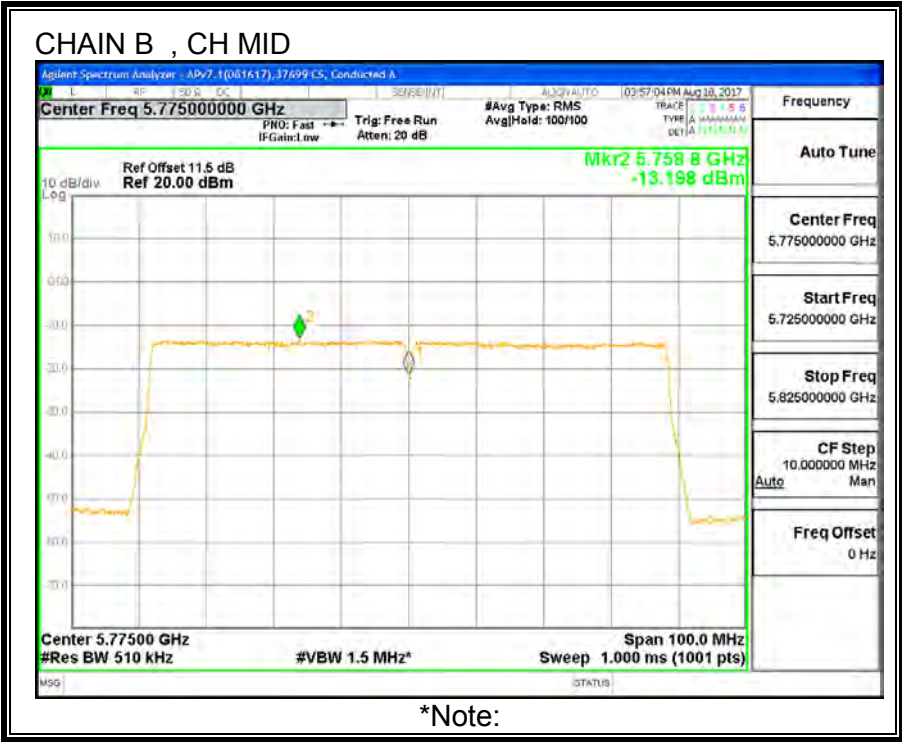
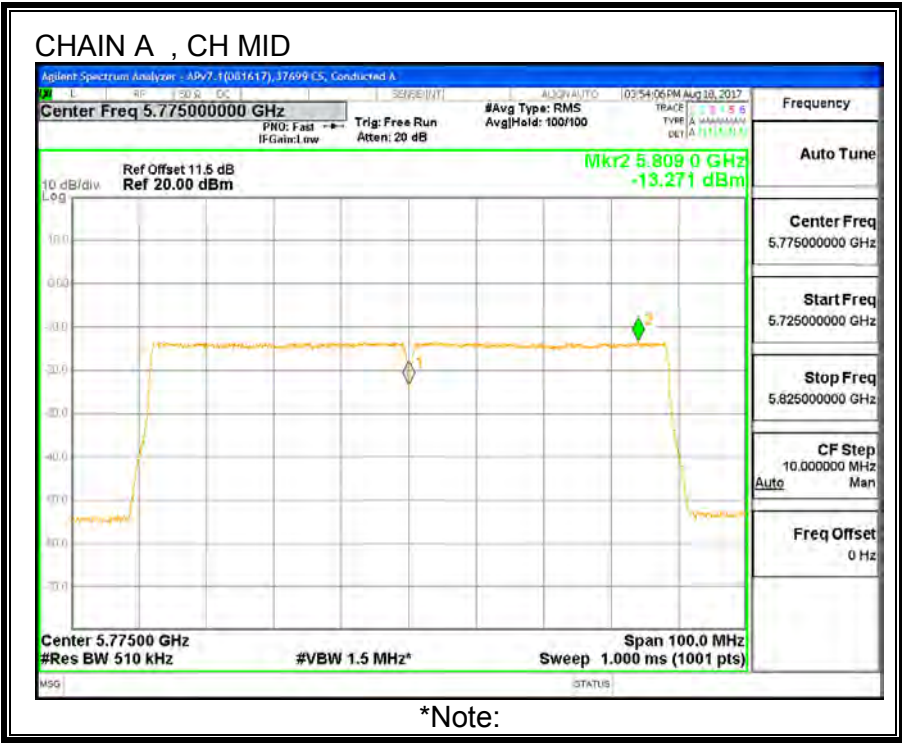
Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	ISED PSD Limit (dBm)	PPSD Limit (dBm)
155	5775	30.00	30.00	36.00	30.00	30.00	17.00	17.00
138	5690	24.92	21.99	27.99	21.99	30.00	17.00	17.00

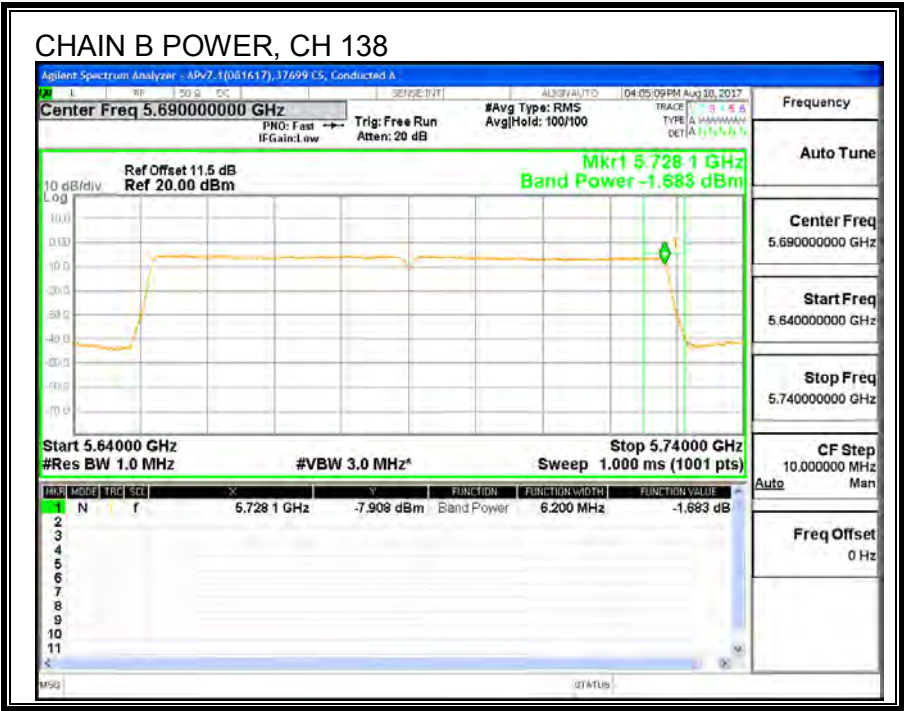
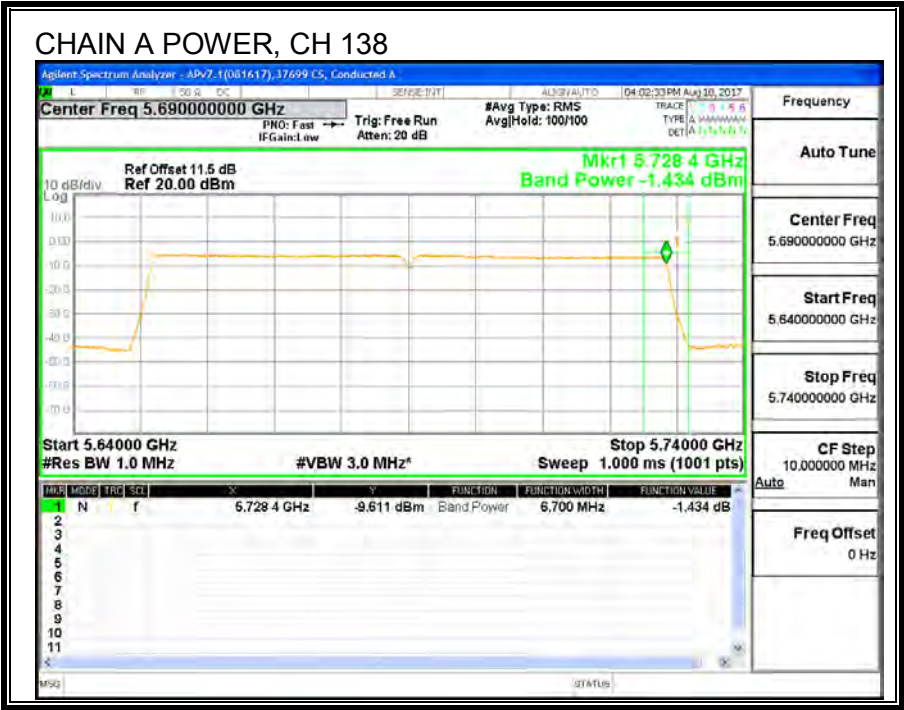
Output Power Results

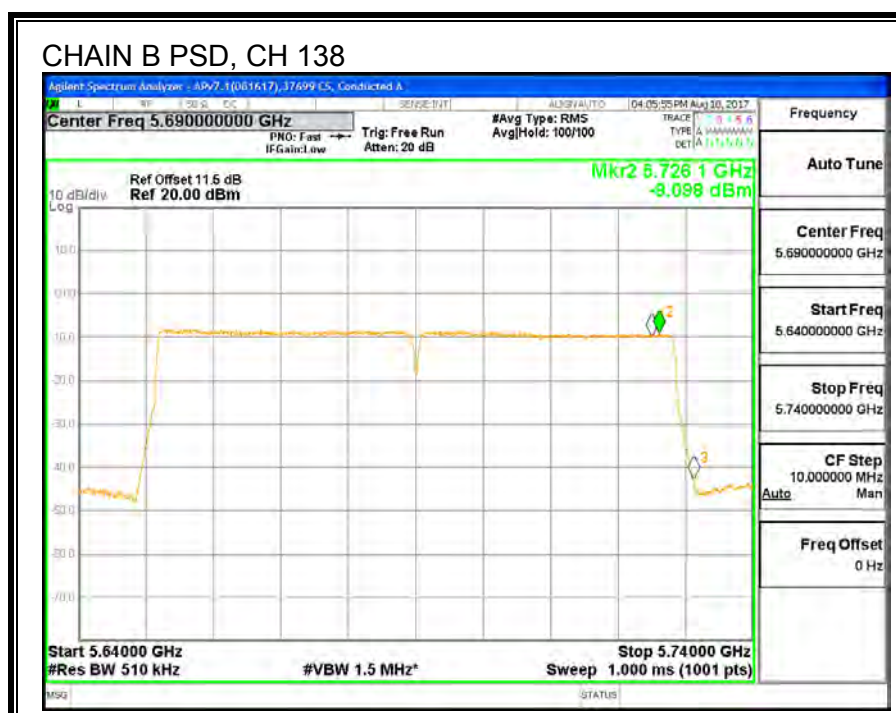
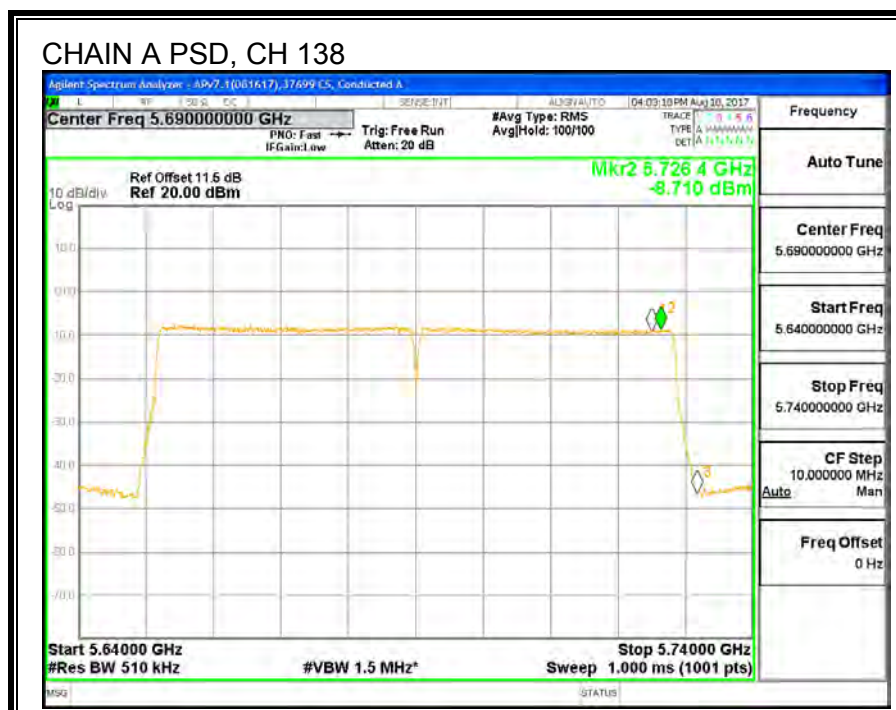
Channel	Frequency (MHz)	Chain A Meas Power (dBm)	Chain B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
155	5775	6.27	6.37	9.33	30.00	-20.67
138	5690	-1.43	-1.68	1.45	21.99	-20.54

PPSD Results

Channel	Frequency (MHz)	Chain A Meas PPSD (dBm)	Chain B Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
155	5775	-13.27	-13.20	-10.22	17.00	-27.22
138	5690	-8.71	-9.10	-5.89	17.00	-22.89







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.

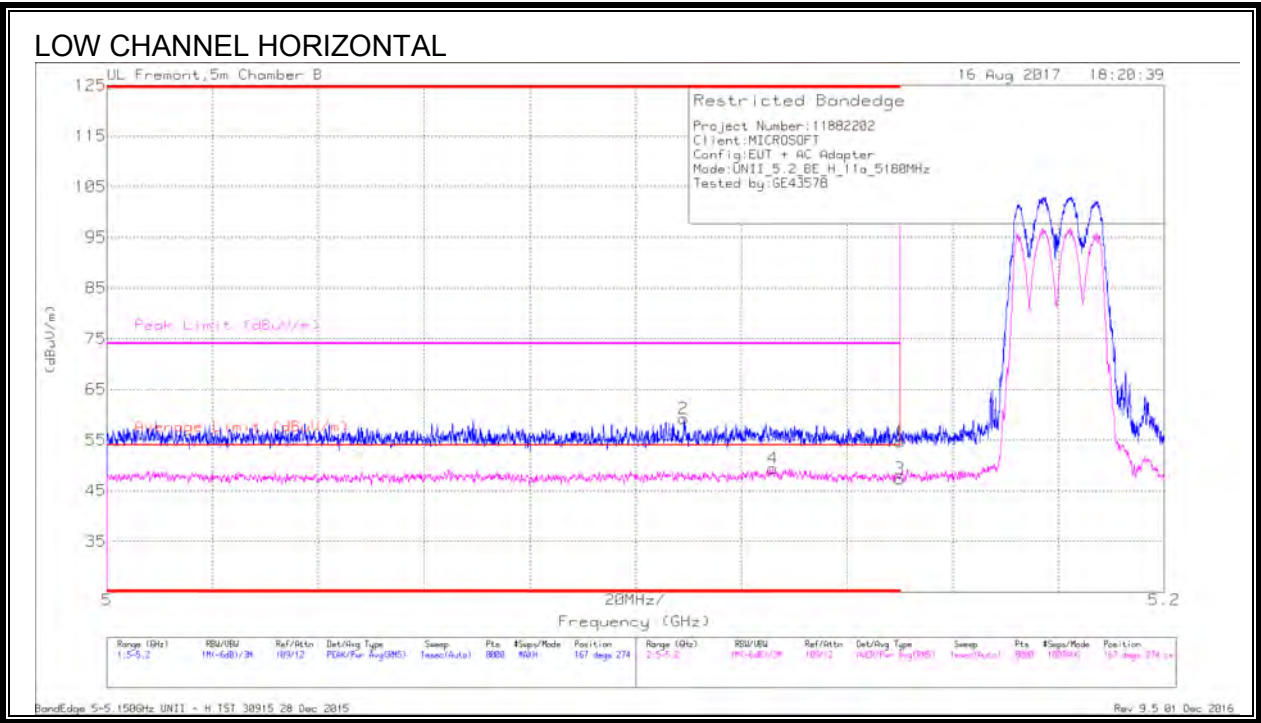
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

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.

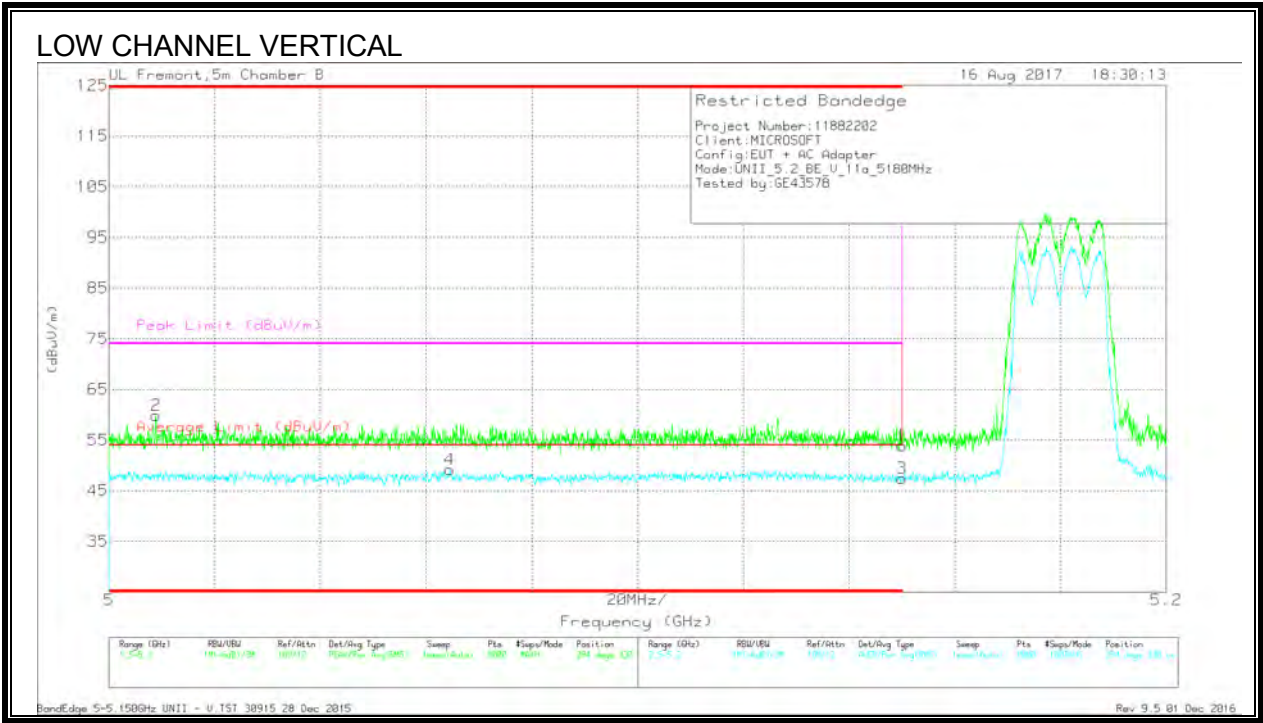
10.1.1. 11a 2TX MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/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	* 5.15	38.05	Pk	34.4	-17.8	0	54.65	-	-	74	-19.35	167	274	H
2	* 5.109	42.13	Pk	34.4	-17.3	0	59.23	-	-	74	-14.77	167	274	H
3	* 5.15	30.77	RMS	34.4	-17.8	0	47.37	54	-6.63	-	-	167	274	H
4	* 5.126	31.82	RMS	34.4	-16.8	0	49.42	54	-4.58	-	-	167	274	H

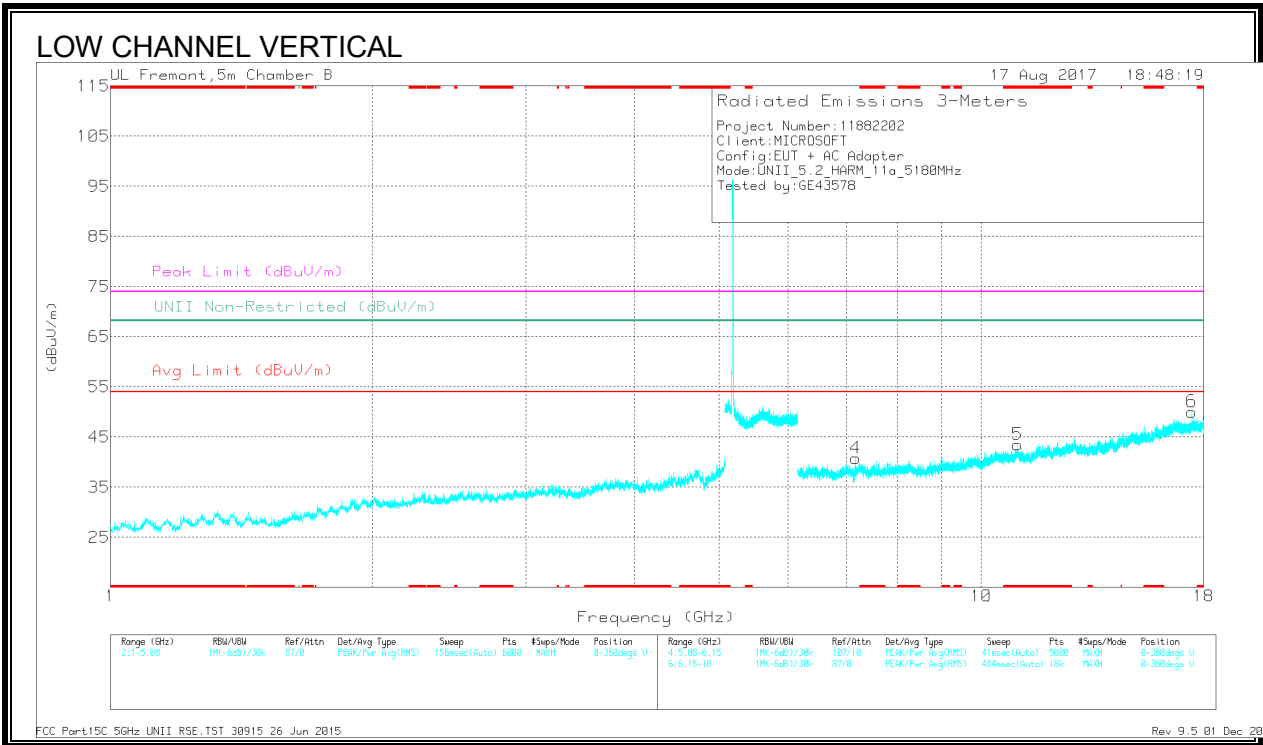
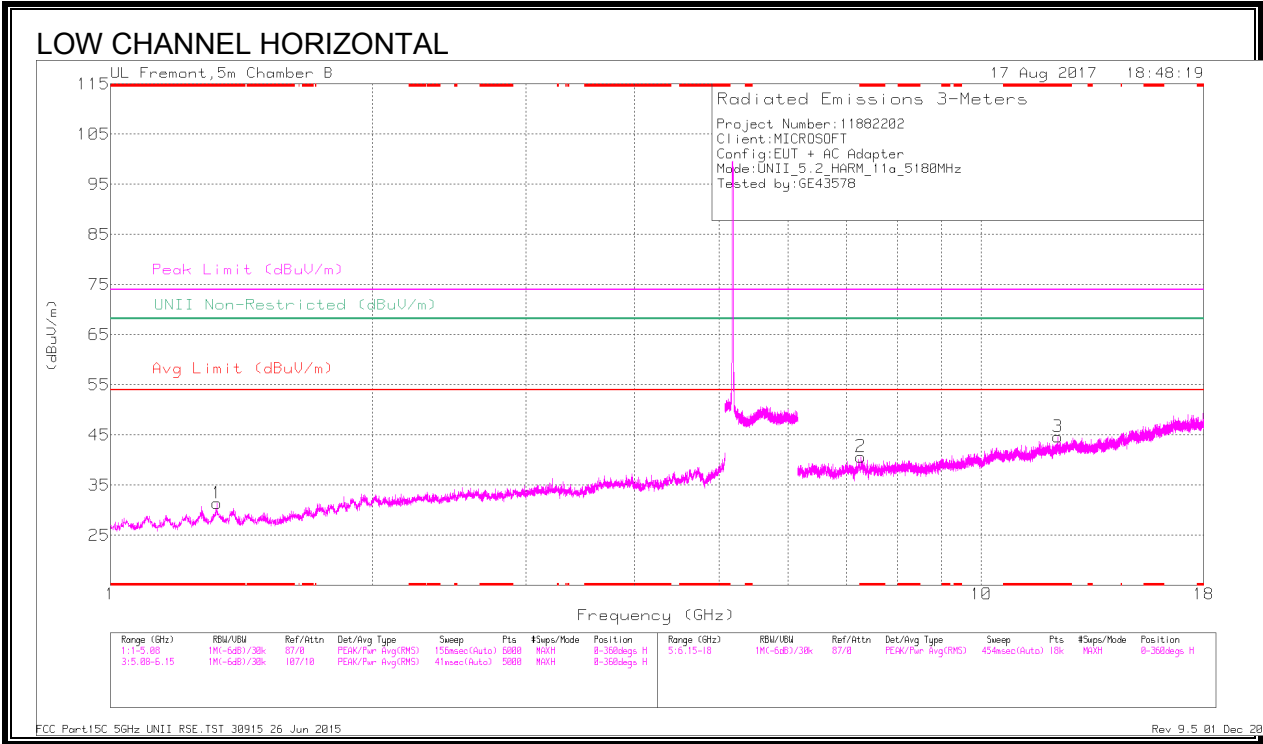
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/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	37.28	Pk	34.4	-17.8	0	53.88	-	-	74	-20.12	284	330	V
2	* 5.009	42.43	Pk	34.4	-17	0	59.83	-	-	74	-14.17	284	330	V
3	* 5.15	30.83	RMS	34.4	-17.8	0	47.43	54	-6.57	-	-	284	330	V
4	* 5.065	31.96	RMS	34.4	-17.2	0	49.16	54	-4.84	-	-	284	330	V

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

HARMONICS AND SPURIOUS EMISSIONS

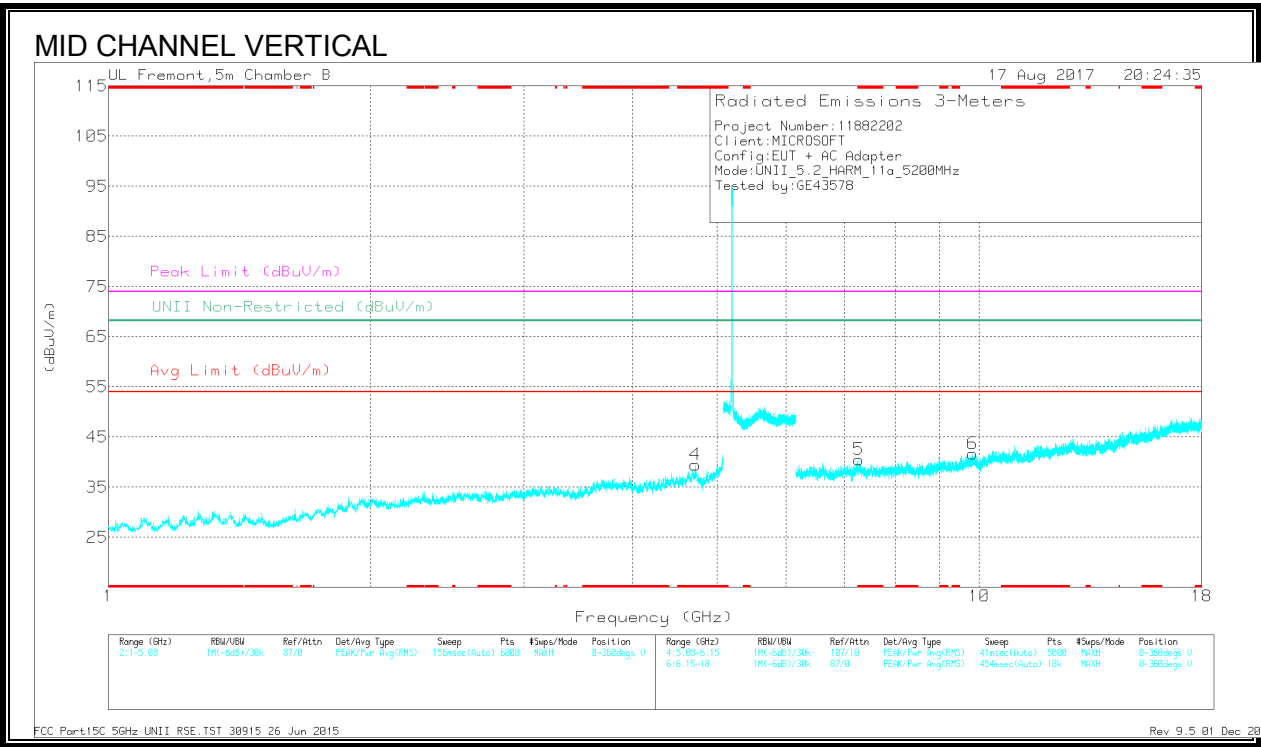
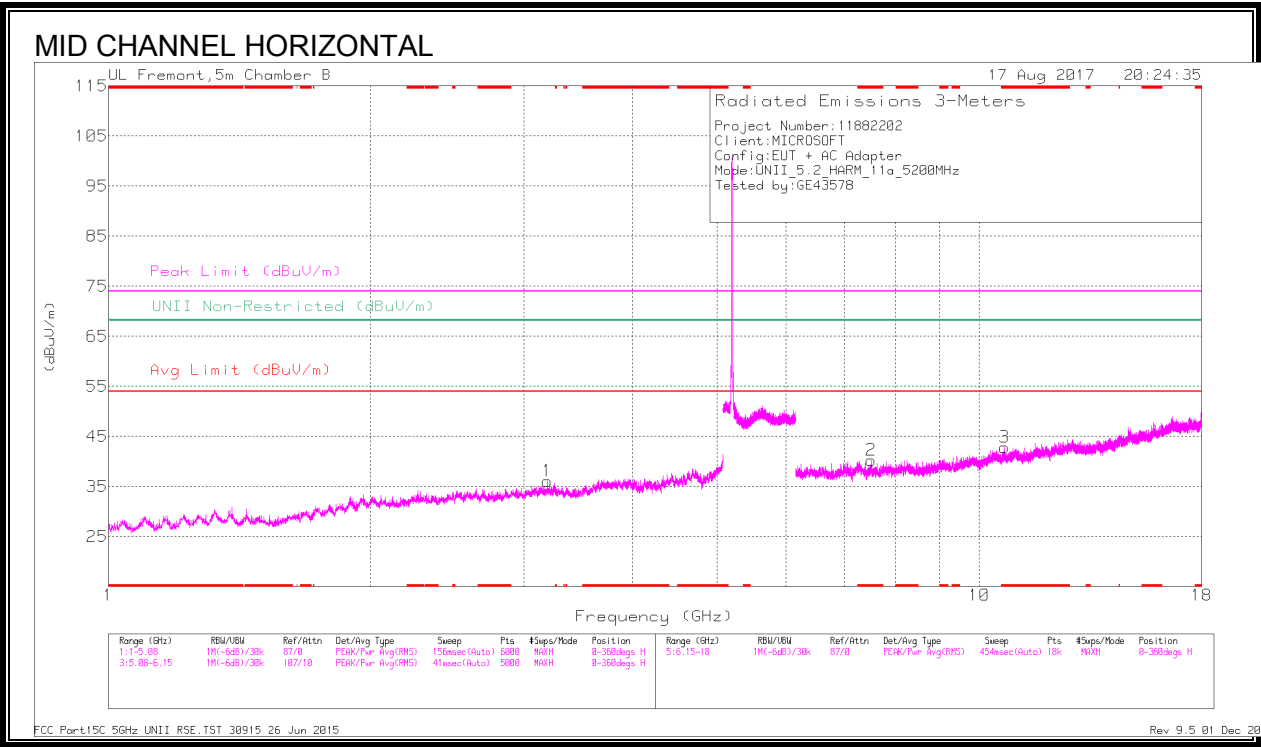


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cable/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (ft)	Height (cm)	Polarity
1	* 1.326	42.36	PK-U	28.9	-33.6	0	37.66	-	-	74	-36.32	-	-	193	199	H
	* 1.325	29.71	ADR	28.9	-33.6	0	25.01	54	-28.99	-	-	-	-	193	199	H
2	* 7.278	36.87	PK-U	35.8	-25.8	0	46.87	-	-	74	-27.13	-	-	329	199	H
	* 7.278	24.59	ADR	35.8	-25.8	0	34.59	54	-19.41	-	-	-	-	329	199	H
3	* 12.245	33.29	PK-U	39.1	-21.8	0	50.59	-	-	74	-23.41	-	-	359	199	H
	* 12.244	20.97	ADR	39.1	-21.8	0	38.27	54	-15.73	-	-	-	-	359	199	H
5	* 11.005	33.48	PK-U	37.7	-21.6	0	49.58	-	-	74	-24.42	-	-	204	199	V
	* 11.006	21.41	ADR	37.7	-21.7	0	37.41	54	-16.59	-	-	-	-	204	199	V
4	7.178	36.88	PK-U	35.8	-27.3	0	45.38	-	-	-	-	68.2	-22.82	251	104	V
6	17.44	31.49	PK-U	41.7	-18.5	0	54.69	-	-	-	-	68.2	-13.51	346	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

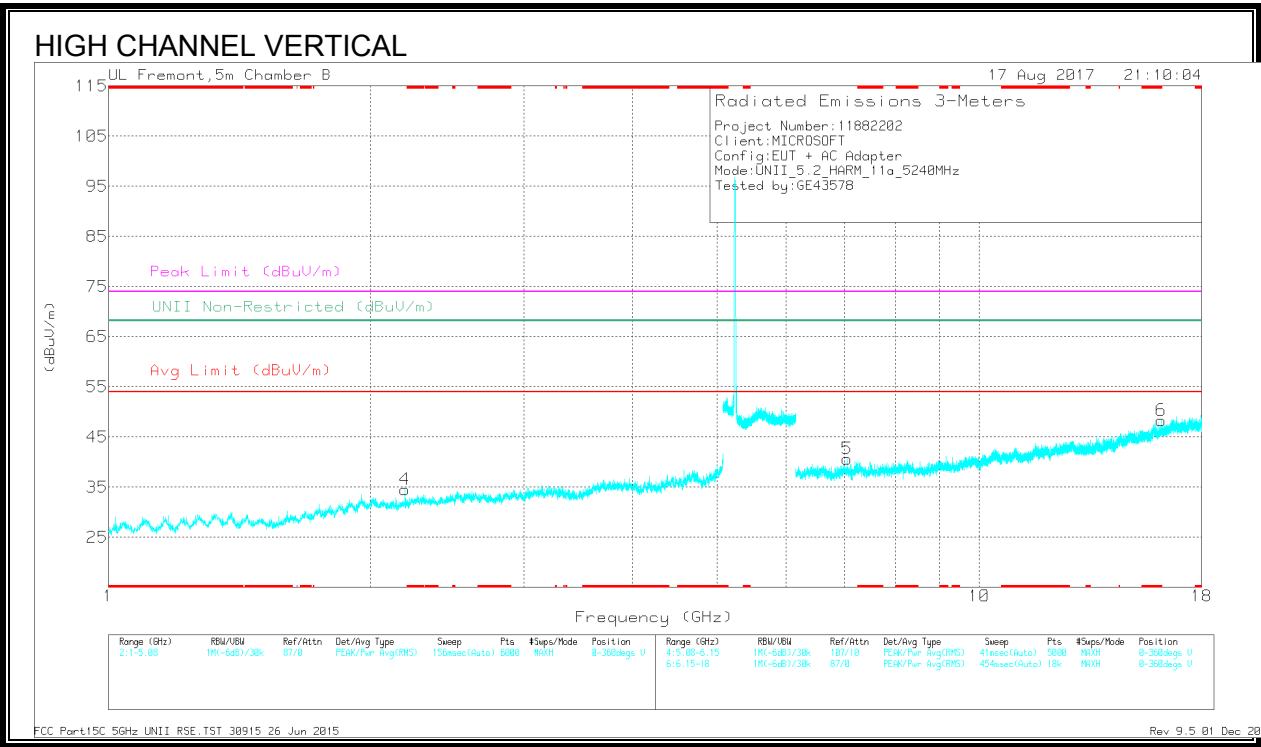
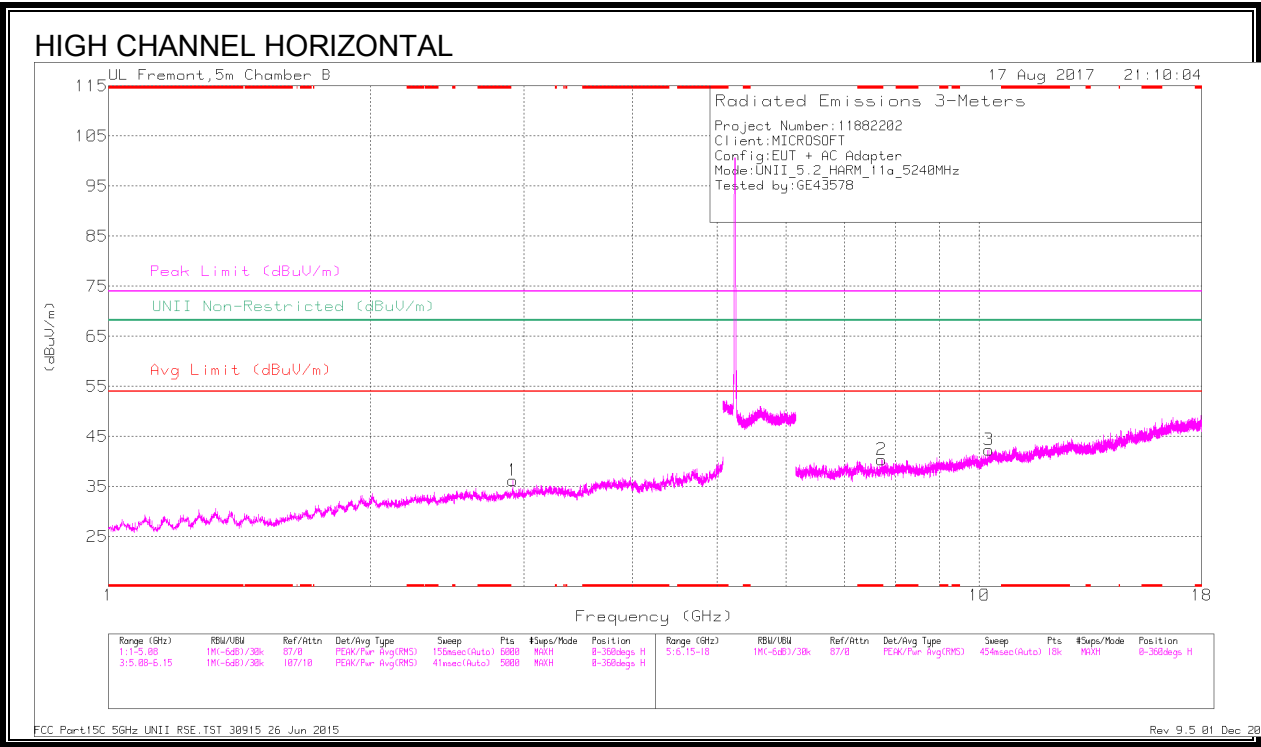


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cable/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (ft)	Height (m)	Polarity
4	* 4.718	39.85	PK-U	34.2	-29.2	0	44.95	-	-	74	-29.05	-	-	262	200	V
	* 4.719	27.87	ADR	34.2	-29.2	0	32.67	-	-21.13	-	-	-	-	262	200	V
2	* 7.511	36.87	PK-U	36	-26.5	0	46.37	-	-	74	-27.63	-	-	77	104	H
	* 7.511	24.47	ADR	36	-26.5	0	33.97	-	-20.03	-	-	-	-	77	104	H
3	* 10.694	33.54	PK-U	37.7	-22.5	0	48.74	-	-	74	-25.26	-	-	299	104	H
	* 10.694	21.29	ADR	37.7	-22.5	0	36.49	-	-17.51	-	-	-	-	299	104	H
5	* 7.272	37.14	PK-U	35.8	-25.6	0	47.34	-	-	74	-26.66	-	-	171	104	V
	* 7.273	24.39	ADR	35.8	-25.7	0	34.49	-	-19.51	-	-	-	-	171	104	V
1	3.192	38.97	PK-U	33	-30.5	0	41.47	-	-	-	-	68.2	-26.73	162	199	H
6	9.823	33.33	PK-U	36.9	-23.4	0	46.63	-	-	-	-	68.2	-21.37	253	104	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (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 (Dops)	Height (cm)	Polarity
2	* 7.729	36.48	PK-U	36	-26.5	0	45.98	-	-	74	-28.02	-	-	3	200	H
	* 7.728	24.62	ADR	36	-26.5	0	54.12	54	-19.88	-	-	-	-	3	200	H
6	* 16.17	32.16	PK-U	41.3	-18.8	0	54.66	-	-	74	-19.34	-	-	81	104	V
	* 16.172	19.93	ADR	41.3	-19	0	42.23	54	-11.77	-	-	-	-	81	104	V
4	2.19	40.58	PK-U	31.5	-32.6	0	39.48	-	-	-	-	68.2	-28.72	12	200	V
1	2.912	40.81	PK-U	32.5	-31.1	0	42.21	-	-	-	-	68.2	-25.99	286	101	H
5	7.05	37.39	PK-U	35.9	-26.8	0	46.49	-	-	-	-	68.2	-21.71	315	104	V
3	10.262	34.35	PK-U	37.4	-23.6	0	48.15	-	-	-	-	68.2	-20.05	321	104	H

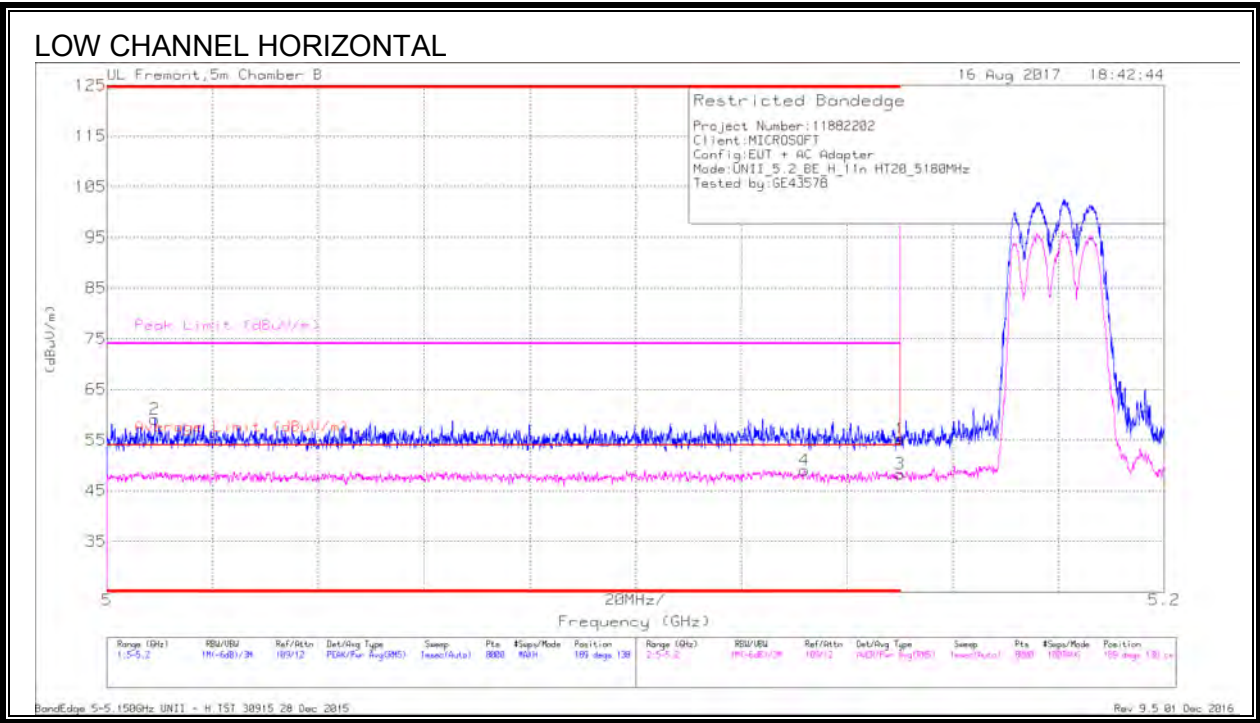
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

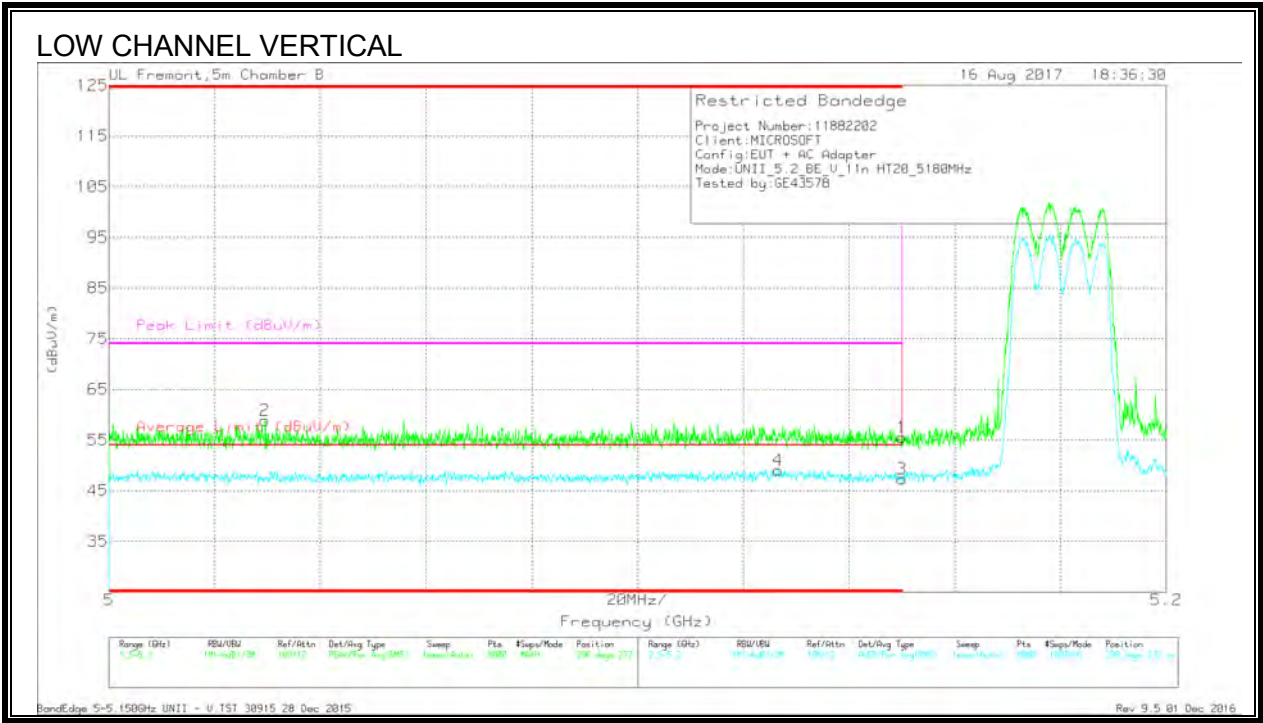
10.1.2. 11n HT20 2TX MODE IN THE 5.2GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.7	Pk	34.4	-17.8	0	55.3	-	-	74	-18.7	189	138	H
2	* 5.009	41.76	Pk	34.4	-17	0	59.16	-	-	74	-14.84	189	138	H
3	* 5.15	31.65	RMS	34.4	-17.8	0	48.25	54	-5.75	-	-	189	138	H
4	* 5.132	31.8	RMS	34.4	-17.2	0	49	54	-5	-	-	189	138	H

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



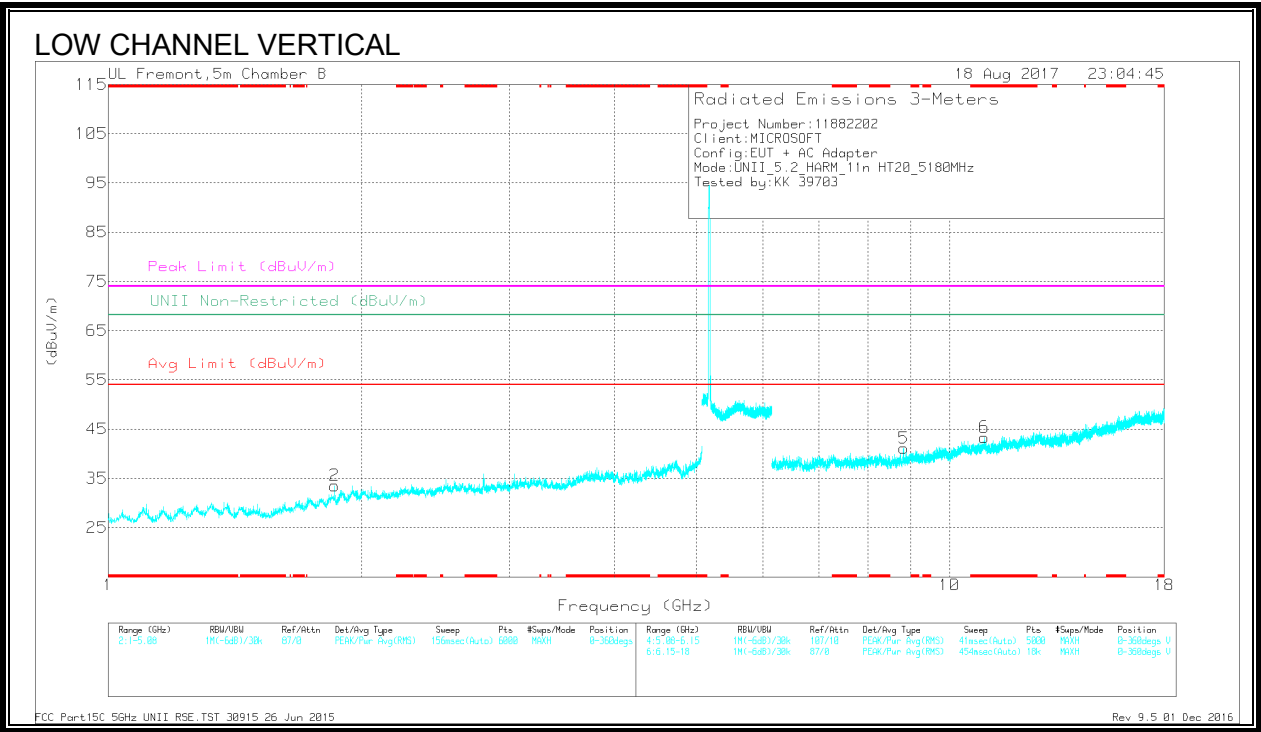
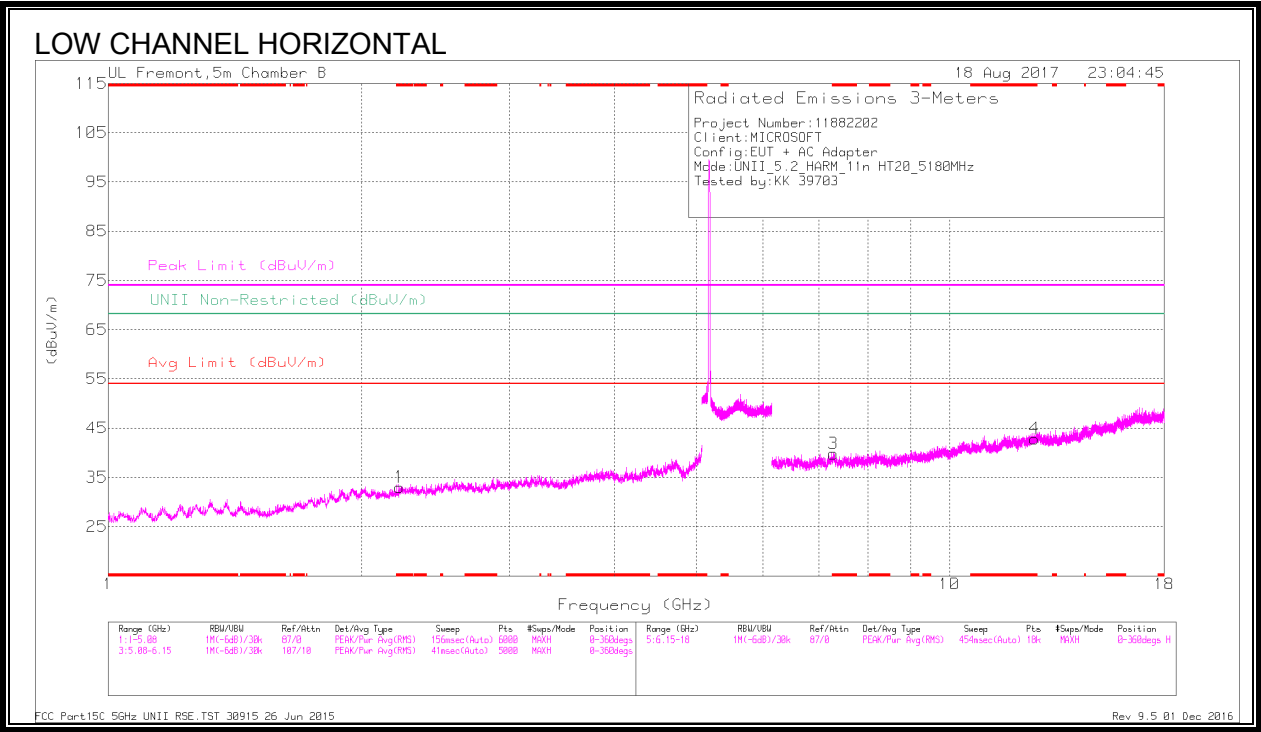
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.91	Pk	34.4	-17.8	0	55.51	-	-	74	-18.49	298	272	V
2	* 5.03	41.85	Pk	34.4	-17.4	0	58.85	-	-	74	-15.15	298	272	V
3	* 5.15	30.76	RMS	34.4	-17.8	0	47.36	54	-6.64	-	-	298	272	V
4	* 5.127	31.6	RMS	34.4	-16.9	0	49.1	54	-4.9	-	-	298	272	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

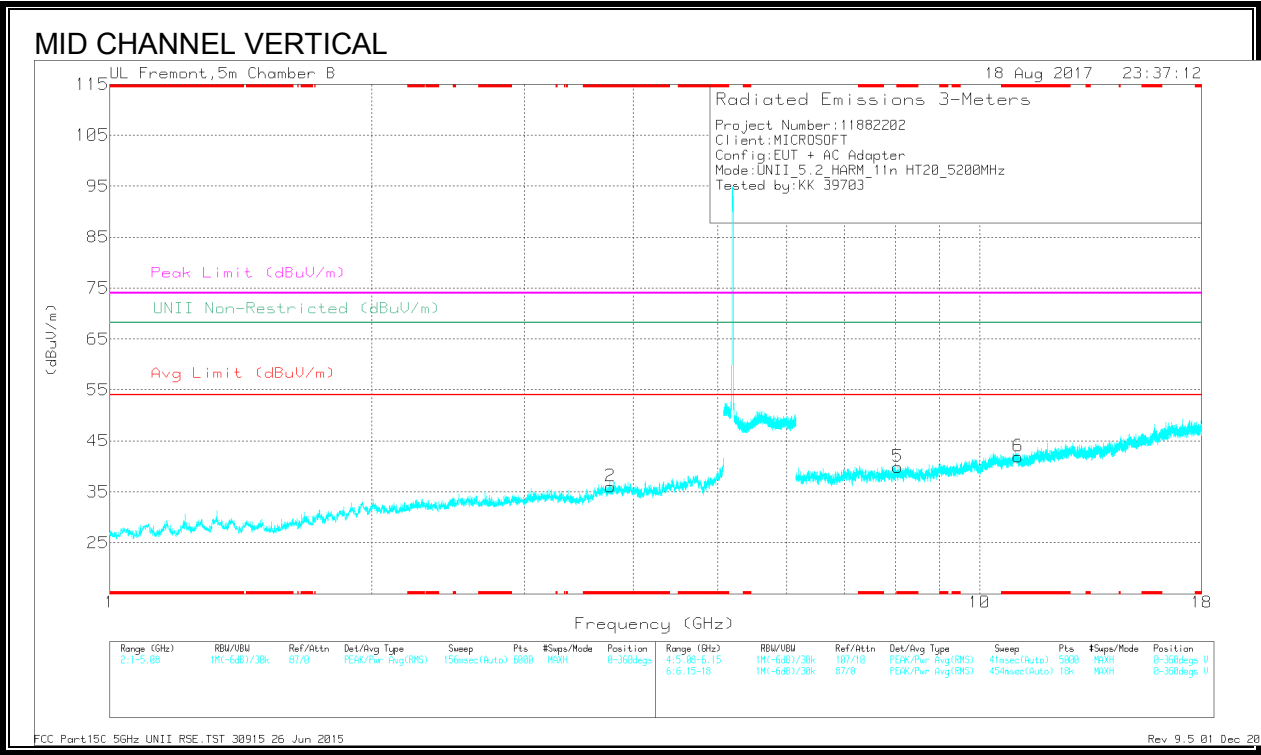
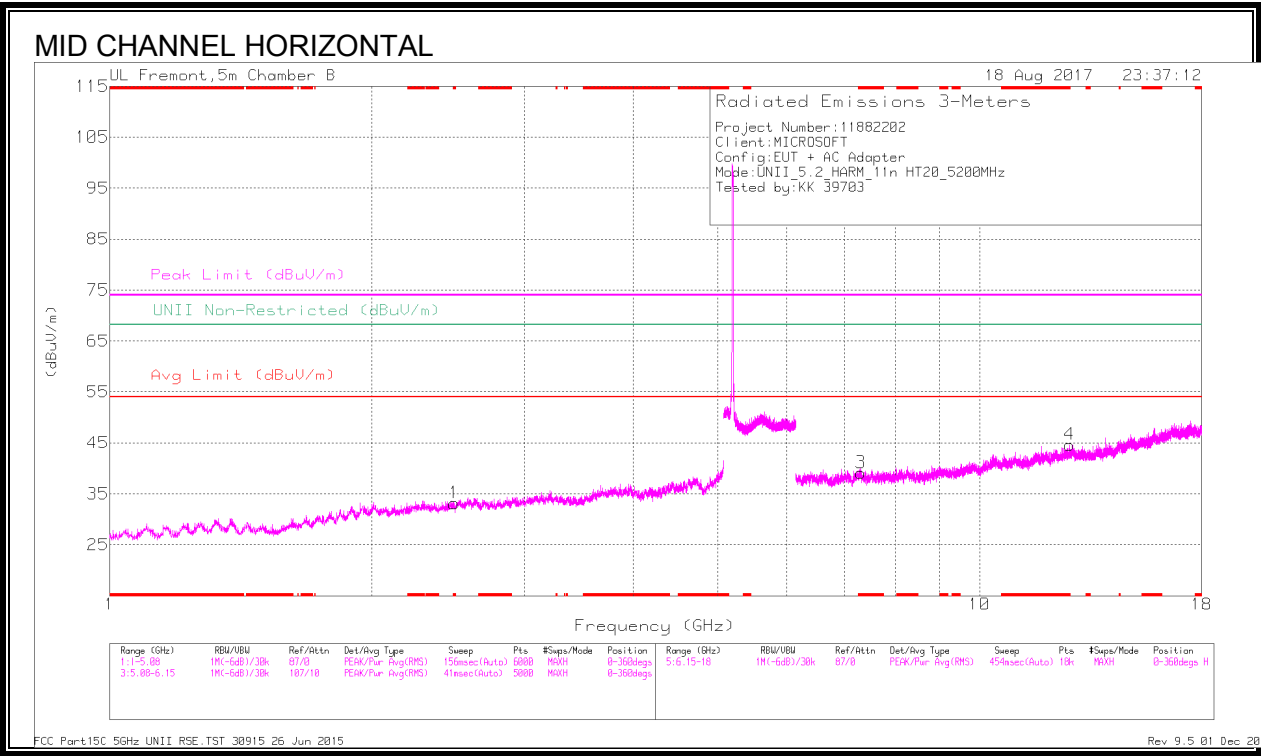


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1883 (dBm)	Amp/C50/Fit/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (ft)	Height (cm)	Polarity
1	* 2.22	40.34	PK-U	31.7	-32.4	0	39.64	-	-	74	-34.36	-	-	15	199	H
	* 2.221	28.14	ADR	31.7	-32.4	0	27.44	54	-26.56	-	-	-	-	15	199	H
3	* 7.283	36.17	PK-U	35.8	-26	0	45.97	-	-	74	-28.03	-	-	106	199	H
	* 7.283	24.67	ADR	35.8	-25.9	0	34.57	54	-19.43	-	-	-	-	106	199	H
4	* 12.62	32.8	PK-U	39.3	-22.7	0	49.4	-	-	74	-24.6	-	-	197	104	H
	* 12.62	21.92	ADR	39.3	-22.7	0	38.52	54	-15.48	-	-	-	-	197	104	H
6	* 11.002	33.05	PK-U	37.7	-21.5	0	49.25	-	-	74	-24.75	-	-	268	199	V
	* 11.001	22.07	ADR	37.7	-21.5	0	38.27	54	-15.73	-	-	-	-	268	199	V
2	1.857	40.18	PK-U	30.8	-33.2	0	37.78	-	-	-	-	68.2	-30.42	15	199	V
5	8.824	35.32	PK-U	36.2	-26.2	0	46.32	-	-	-	-	68.2	-21.88	231	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

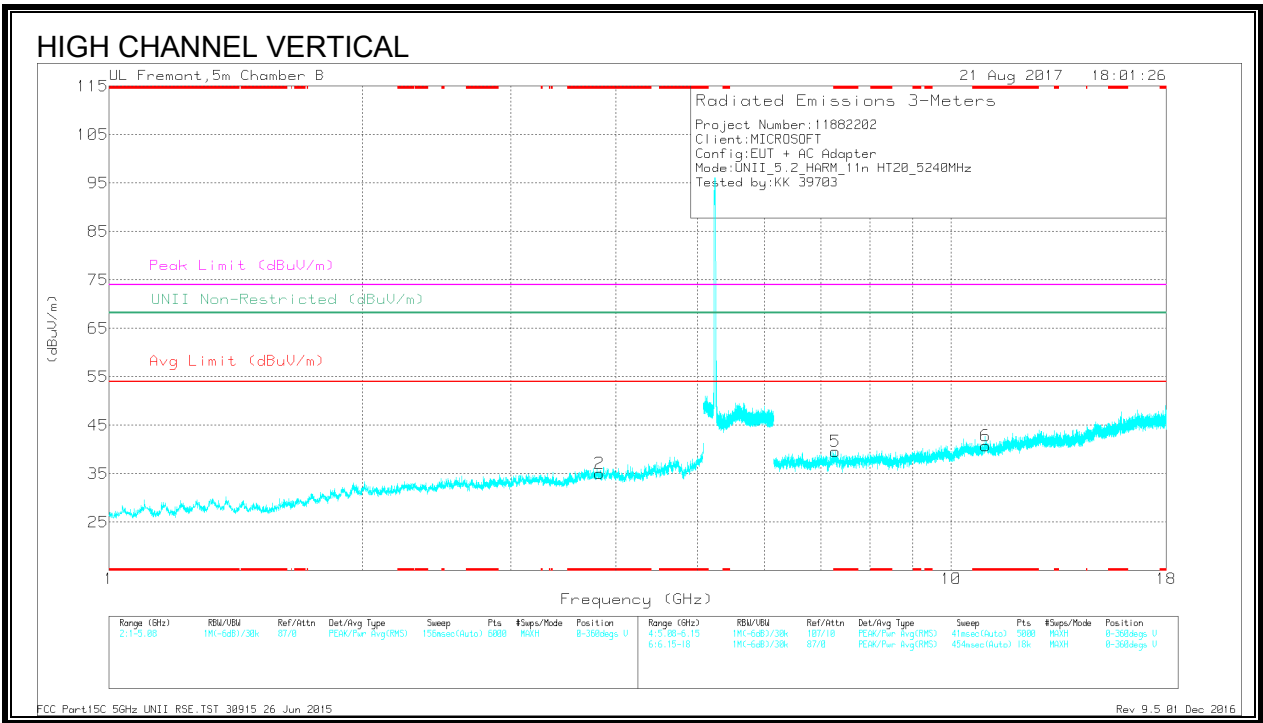
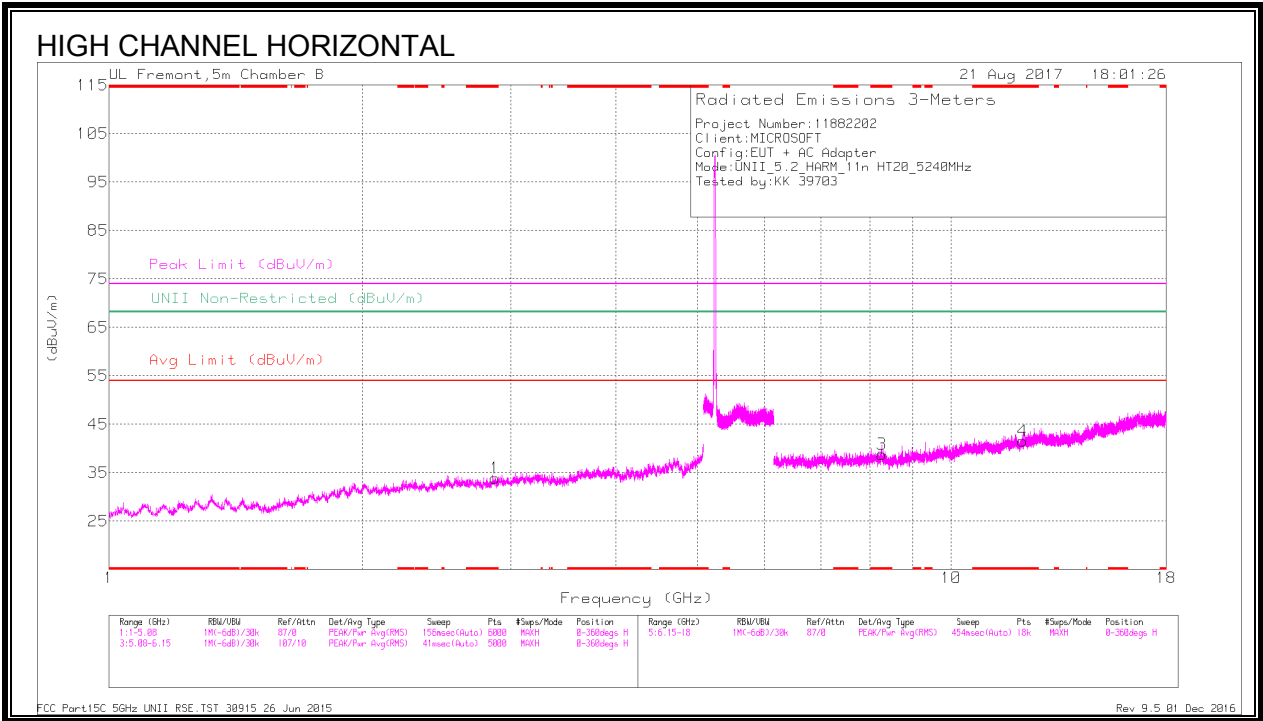


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.49	39.47	PK-U	32.5	-32	0	38.97	-	-	74	-34.03	-	-	121	101	H
	* 2.487	27.7	ADR	32.5	-32	0	28.2	54	-25.8	-	-	-	-	121	101	H
2	* 3.767	38.79	PK-U	33.4	-30.6	0	41.59	-	-	74	-32.41	-	-	206	101	V
	* 3.764	28.1	ADR	33.4	-30.6	0	31	54	-23	-	-	-	-	206	101	V
3	* 7.302	36.36	PK-U	35.8	-26.2	0	45.96	-	-	74	-28.04	-	-	103	199	H
	* 7.301	24.38	ADR	35.8	-26.2	0	33.98	54	-20.02	-	-	-	-	103	199	H
4	* 12.689	32.61	PK-U	39.3	-22	0	49.91	-	-	74	-24.09	-	-	357	104	H
	* 12.686	21.08	ADR	39.3	-22	0	38.38	54	-15.62	-	-	-	-	357	104	H
5	* 8.051	35.69	PK-U	36.1	-26.2	0	45.59	-	-	74	-28.41	-	-	55	198	V
	* 8.053	24.06	ADR	36.1	-26.3	0	33.86	54	-20.14	-	-	-	-	55	198	V
6	* 11.077	31.23	PK-U	37.8	-22.9	0	46.13	-	-	74	-27.87	-	-	87	123	V
	* 11.079	24.43	ADR	37.8	-22.9	0	39.33	54	-14.67	-	-	-	-	87	123	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	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)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (m)	Polarity
1	* 2.875	39.08	PK-U	32.4	-31	0	40.48	-	-	74	-33.52	-	-	294	200	H
	* 2.876	26.9	ADR	32.5	-31	0	28.4	54	-25.6	-	-	-	-	294	200	H
2	* 3.822	40.23	PK-U	33.5	-30.8	0	42.93	-	-	74	-31.07	-	-	294	200	V
	* 3.822	27.69	ADR	33.5	-30.8	0	30.39	54	-23.61	-	-	-	-	294	200	V
3	* 8.271	35.13	PK-U	36.1	-25.6	0	45.63	-	-	74	-28.37	-	-	158	104	H
	* 8.272	22.74	ADR	36.1	-25.6	0	33.34	-	-	-	-	-	-	158	104	H
4	* 12.162	32.81	PK-U	39	-22.7	0	49.11	-	-	74	-24.89	-	-	268	104	H
	* 12.163	20.11	ADR	39	-22.7	0	36.41	54	-17.59	-	-	-	-	268	104	H
5	* 7.285	36.39	PK-U	35.8	-26	0	46.19	-	-	74	-27.81	-	-	240	104	V
	* 7.286	24.24	ADR	35.8	-26	0	34.04	54	-19.96	-	-	-	-	240	104	V
6	* 10.988	32.4	PK-U	37.7	-22.1	0	48	-	-	74	-26	-	-	169	104	V
	* 10.991	20.22	ADR	37.7	-21.9	0	36.02	54	-17.98	-	-	-	-	169	104	V

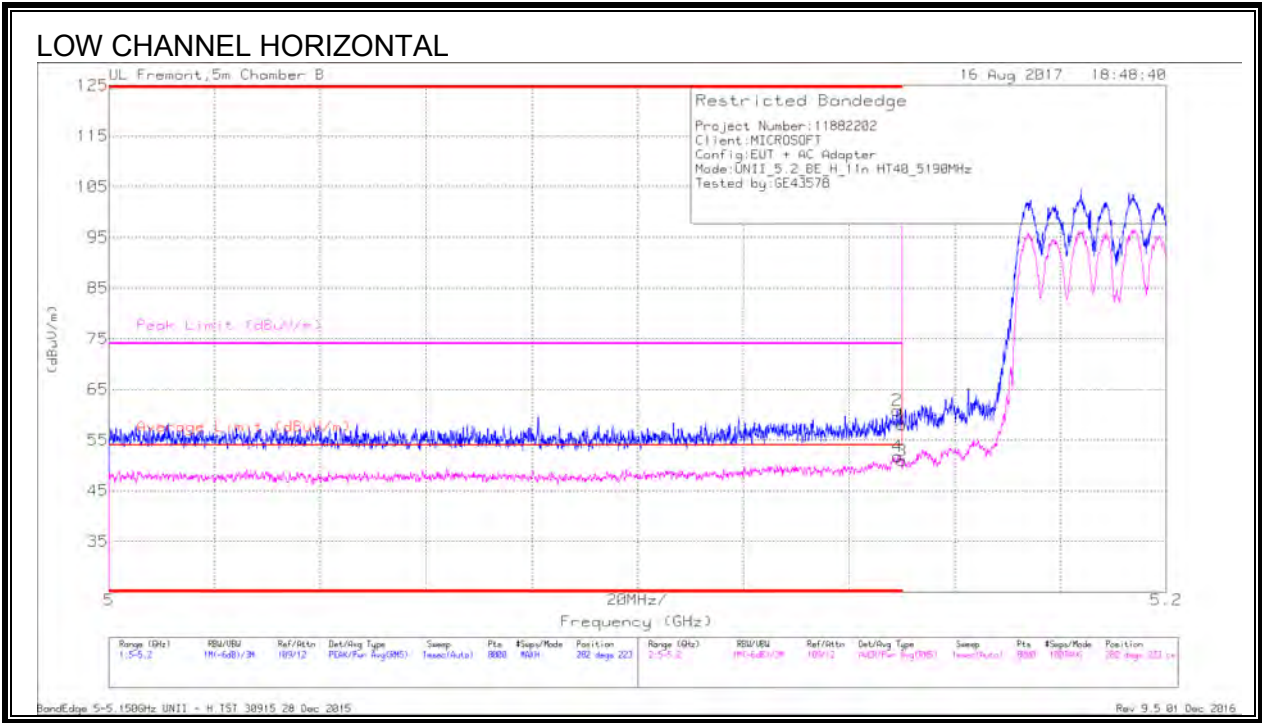
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

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)

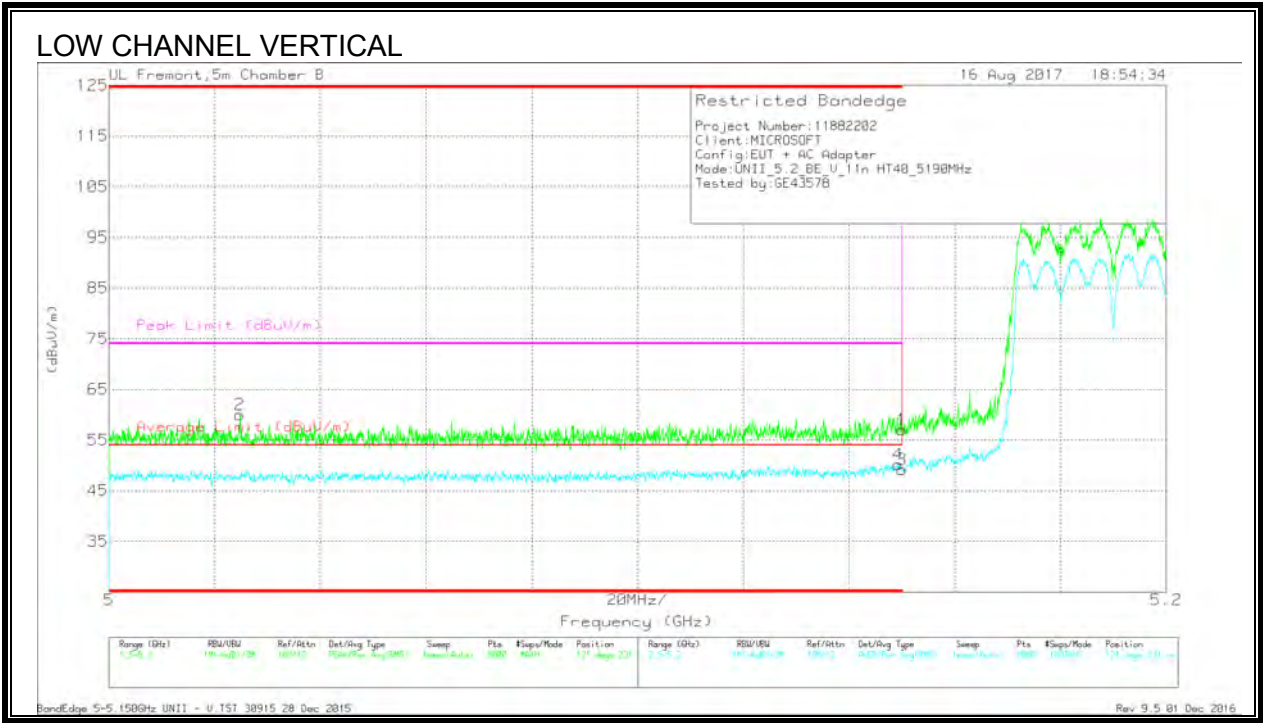


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T863 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBm)	Average Limit (dBm)	Margin (dB)	Peak Limit (dBm)	PK Margin (dB)	Altitude (Dops)	Height (cm)	Polarity
1	* 5.15	41.45	Pk	34.4	-17.8	0	58.05	-	-	74	-15.95	282	223	H
2	* 5.149	44.22	Pk	34.4	-17.8	0	60.82	-	-	74	-13.18	282	223	H
3	* 5.15	34.33	RMS	34.4	-17.8	0	50.93	54	-3.07	-	-	282	223	H
4	* 5.149	35.17	RMS	34.4	-17.8	0	51.77	54	-2.23	-	-	282	223	H

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

Pk - Peak detector

RMS - RMS detection



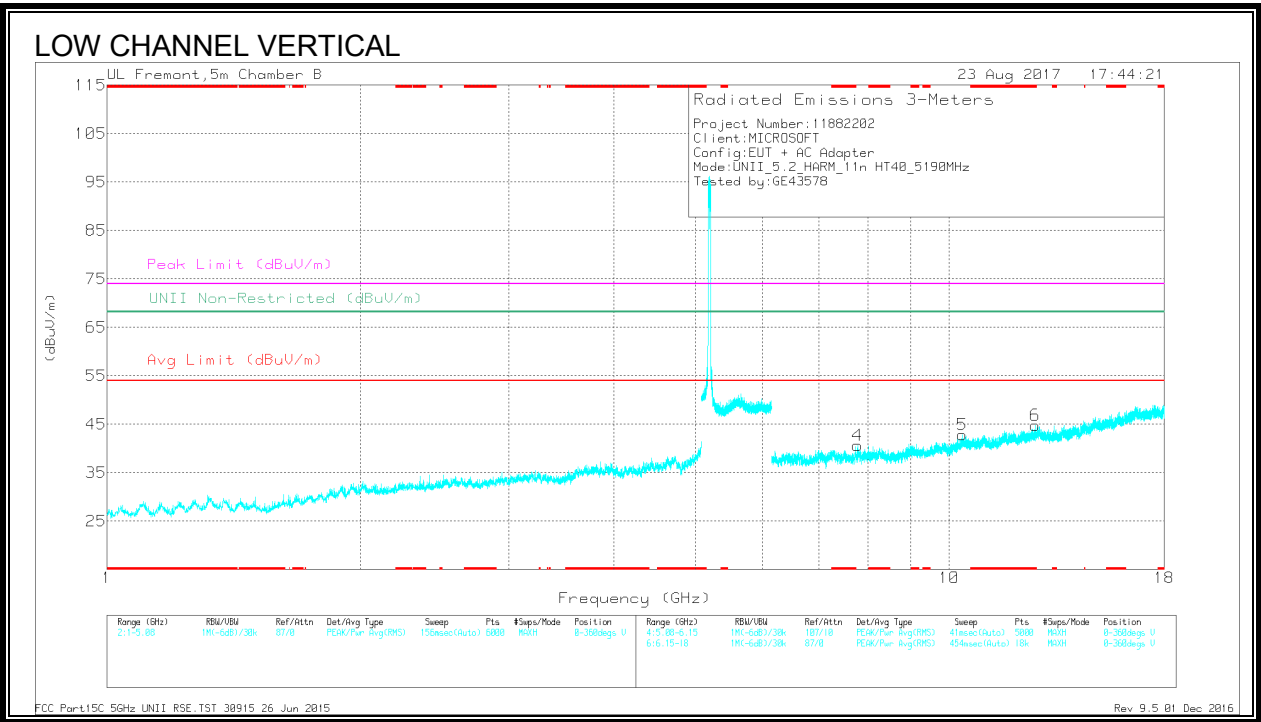
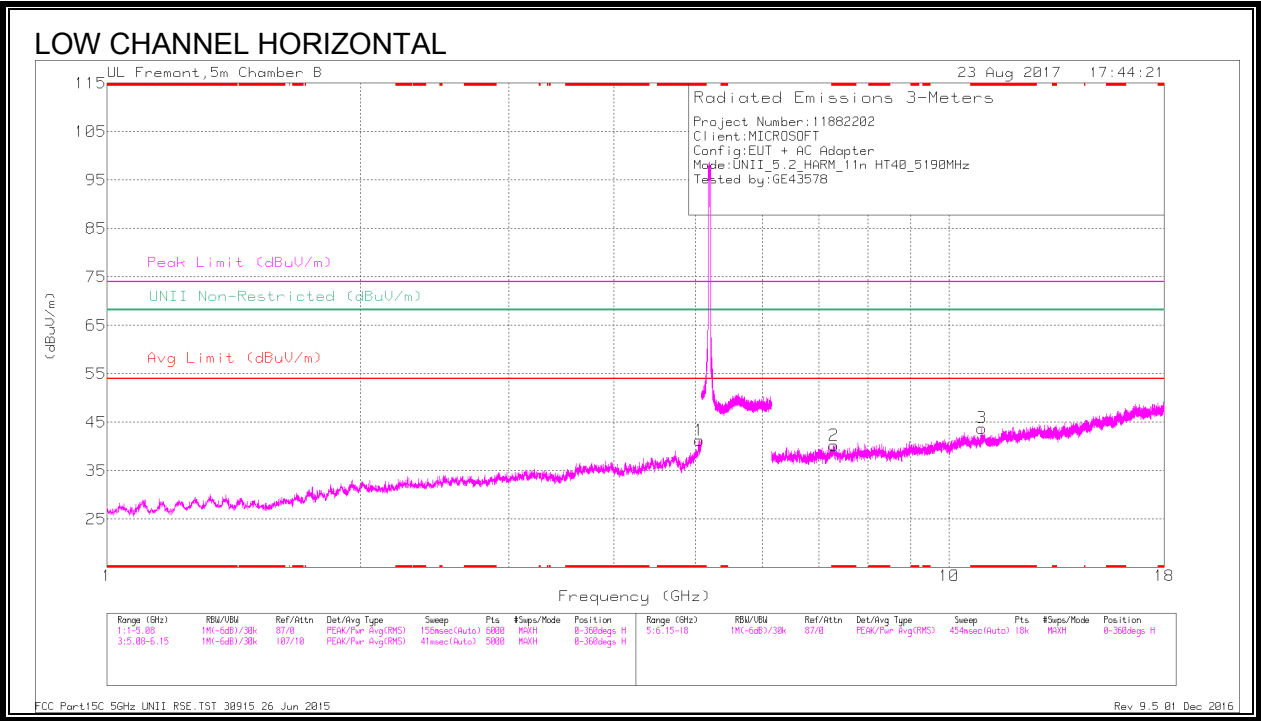
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.35	Pk	34.4	-17.8	0	56.95	-	-	74	-17.05	121	231	V
2	* 5.025	42.79	Pk	34.4	-17.2	0	59.99	-	-	74	-14.01	121	231	V
3	* 5.15	32.6	RMS	34.4	-17.8	0	49.2	54	-4.8	-	-	121	231	V
4	* 5.149	33.62	RMS	34.4	-17.8	0	50.22	54	-3.78	-	-	121	231	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

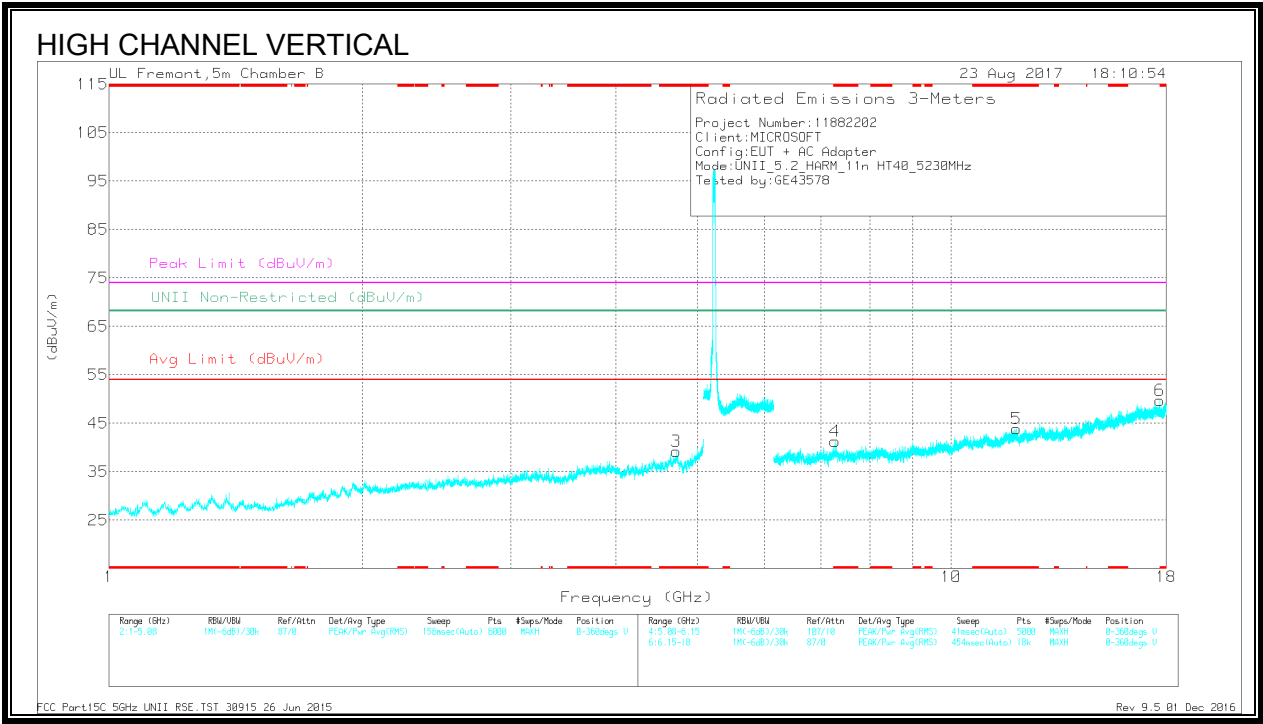
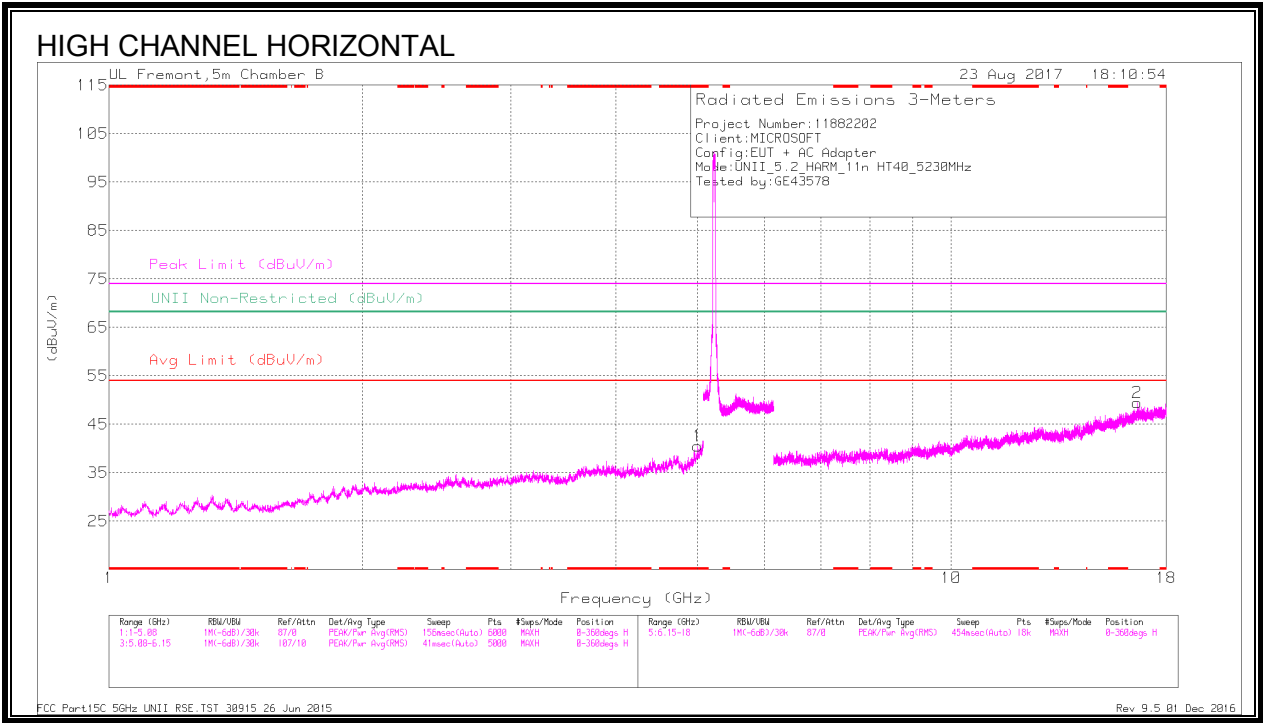


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cali/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
1	* 5.048	41.35	PK-U	34.4	-27	0	45.75	-	-	74	-25.25	-	-	257	211	H
	* 5.047	29.57	ADR	34.4	-27	0	37.37	54	-16.63	-	-	-	-	257	211	H
2	* 7.298	37.19	PK-U	35.8	-26.1	0	46.89	-	-	74	-27.11	-	-	0	199	H
	* 7.299	24.5	ADR	35.8	-26.2	0	34.1	54	-19.9	-	-	-	-	0	199	H
3	* 10.925	33.85	PK-U	37.7	-22.6	0	48.95	-	-	74	-25.05	-	-	58	199	H
	* 10.925	21.86	ADR	37.7	-22.6	0	36.96	54	-17.04	-	-	-	-	58	199	H
6	* 12.646	33.22	PK-U	39.3	-22.5	0	50.02	-	-	74	-23.98	-	-	196	104	V
	* 12.646	21.37	ADR	39.3	-22.5	0	38.17	54	-15.83	-	-	-	-	196	104	V
4	7.761	35.38	PK-U	36	-25.6	0	45.78	-	-	-	-	68.2	-22.42	30	104	V
5	10.366	32.96	PK-U	37.5	-22.5	0	47.96	-	-	-	-	68.2	-20.24	164	104	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cali/Filt/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	* 5.001	40.26	PK-U	34.4	-27.4	0	47.26	-	-	74	-26.74	-	-	253	199	H
	* 5.003	28.18	ADR	34.4	-27.3	0	35.28	54	-18.72	-	-	-	-	283	199	H
3	* 4.716	40.38	PK-U	34.2	-29.2	0	45.38	-	-	74	-28.62	-	-	298	104	V
	* 4.718	27.97	ADR	34.2	-29.2	0	32.97	54	-21.03	-	-	-	-	298	104	V
4	* 7.279	36.73	PK-U	35.8	-25.8	0	46.73	-	-	74	-27.27	-	-	253	104	V
	* 7.278	24.62	ADR	35.8	-25.8	0	34.62	54	-19.38	-	-	-	-	253	104	V
5	* 11.946	33.07	PK-U	38.7	-22	0	49.77	-	-	74	-24.23	-	-	20	104	V
	* 11.946	20.95	ADR	38.7	-22	0	37.65	54	-16.35	-	-	-	-	20	104	V
2	16.624	31.43	PK-U	42.1	-18.6	0	54.73	-	-	-	-	68.2	-13.47	223	104	H
6	17.683	31.66	PK-U	41.8	-18.5	0	54.96	-	-	-	-	68.2	-13.24	0	104	V

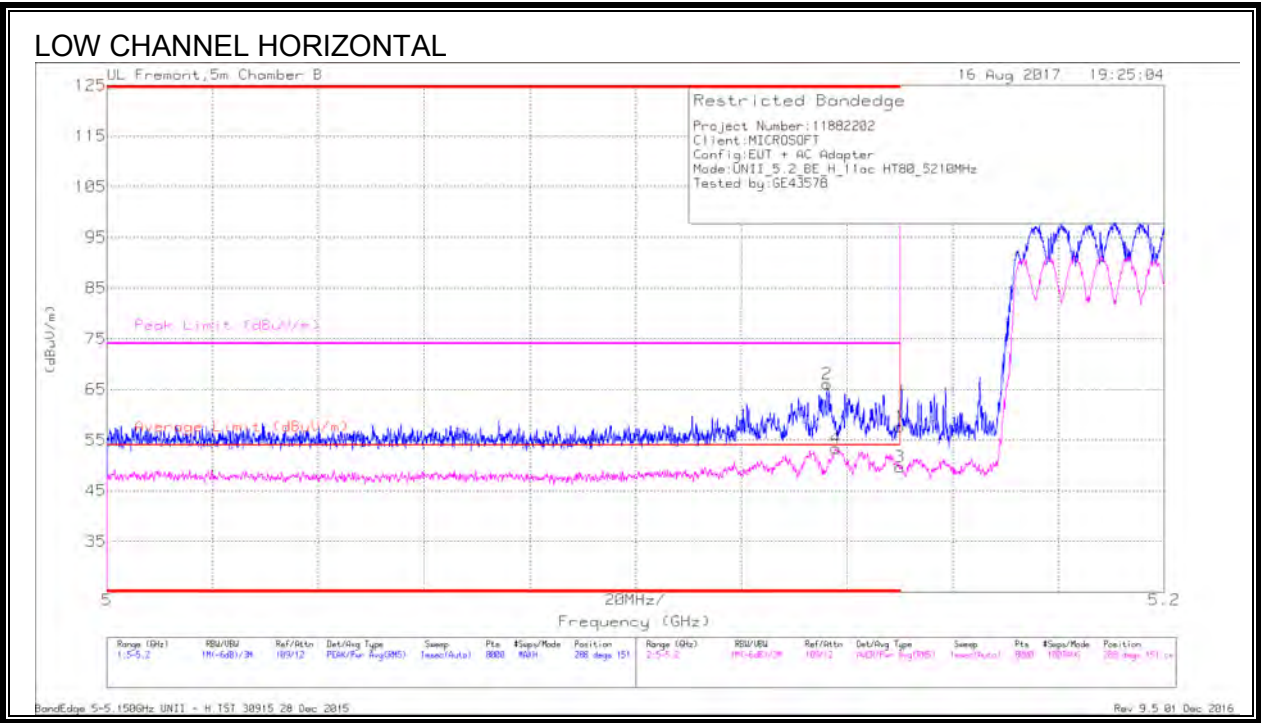
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

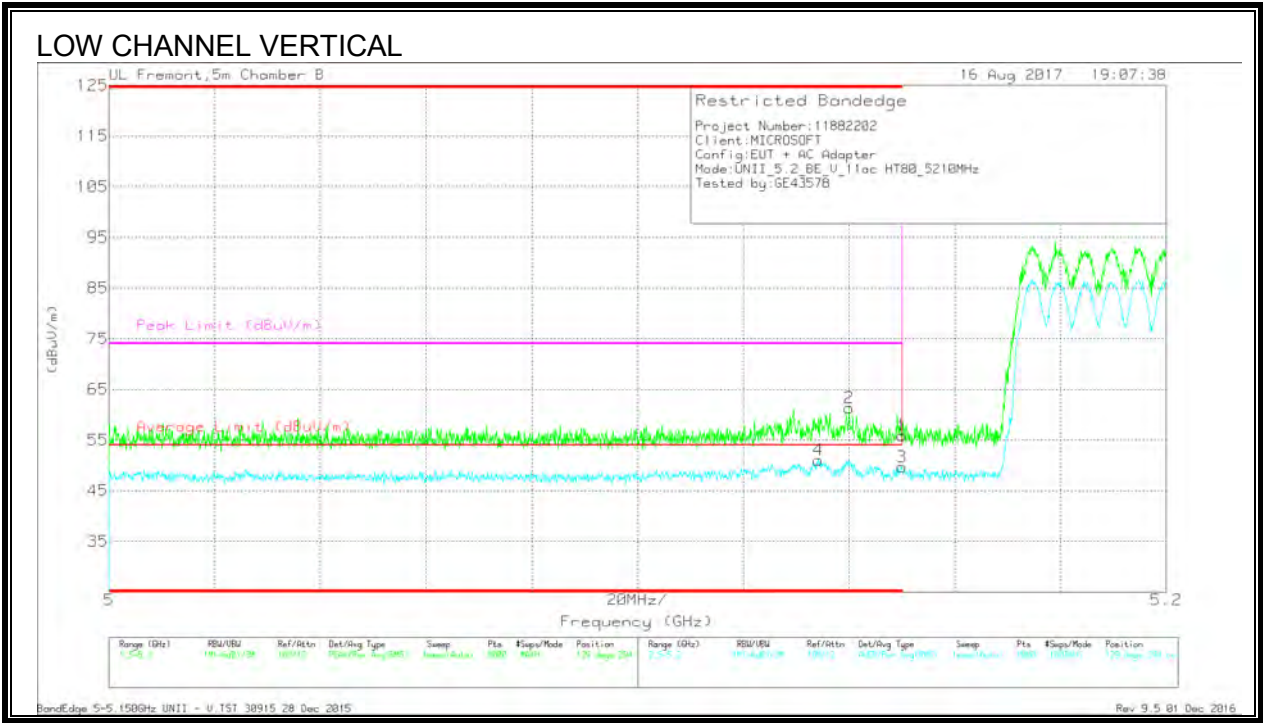
ADR - U-NII AD primary method, RMS average

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

RESTRICTED BANDEDGE (LOW CHANNEL)

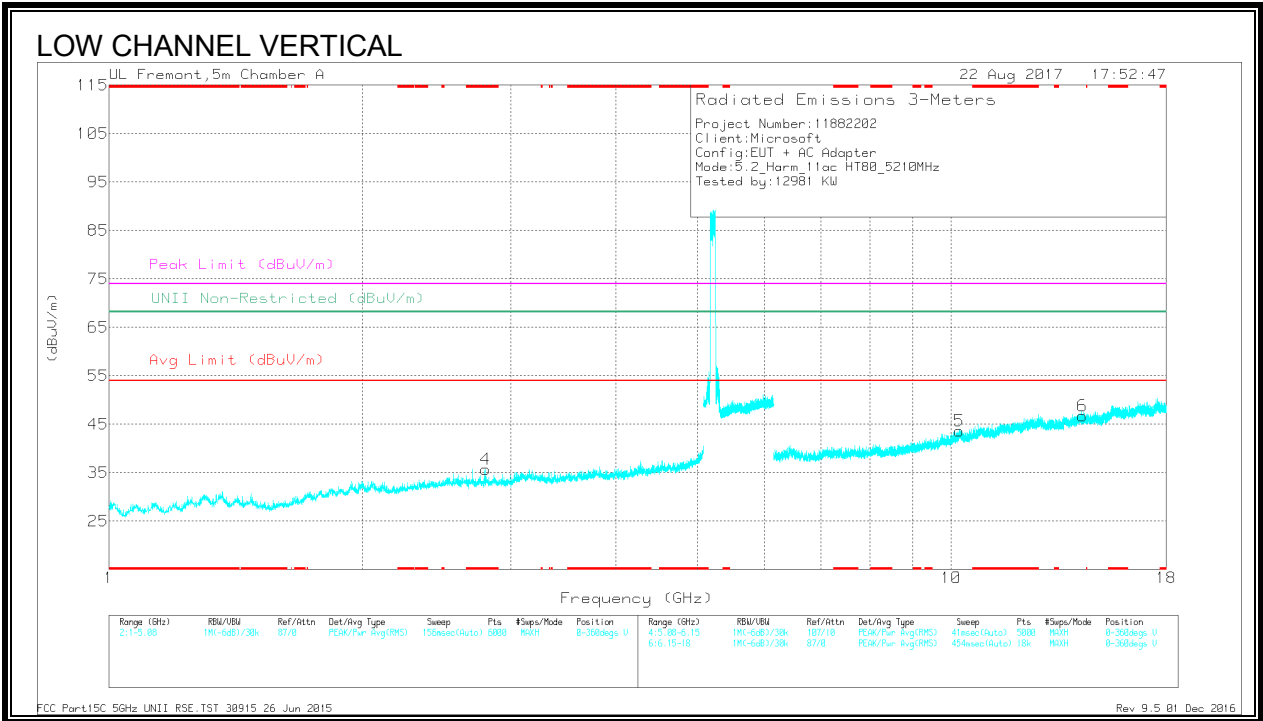
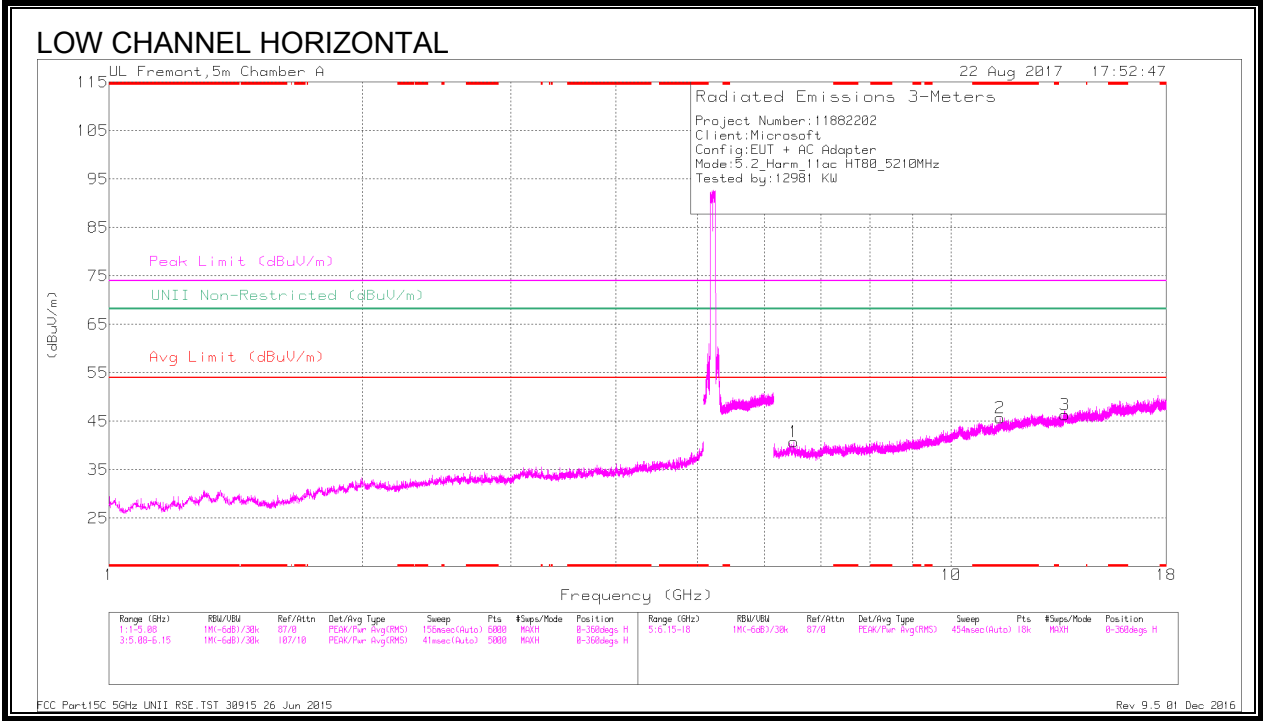


* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	39.23	Pk	34.4	-17.8	0	55.83	-	-	74	-18.17	129	294	V
2	* 5.14	44.55	Pk	34.4	-17.6	0	61.35	-	-	74	-12.65	129	294	V
3	* 5.15	33.05	RMS	34.4	-17.8	0	49.65	54	-4.35	-	-	129	294	V
4	* 5.134	34.09	RMS	34.4	-17.4	0	51.09	54	-2.91	-	-	129	294	V

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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	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)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
4	* 2.798	42.67	PK-U	32.2	-30.8	0	44.27	-	-	74	-29.73	-	-	254	200	V
	* 2.8	27.31	ADR	32.2	-30.8	0	28.71	54	-25.29	-	-	-	-	254	200	V
2	* 11.437	32.76	PK-U	38.2	-19.6	0	51.36	-	-	74	-22.64	-	-	254	200	H
	* 11.438	21.18	ADR	38.2	-19.6	0	39.78	54	-14.22	-	-	-	-	254	200	H
1	6.505	33.86	PK-U	35.7	-23.5	0	46.06	-	-	-	-	68.2	-22.14	254	200	H
5	10.227	32.55	PK-U	37.5	-19.8	0	50.25	-	-	-	-	68.2	-17.95	53	200	V
3	13.643	33.29	PK-U	39.3	-19.8	0	52.79	-	-	-	-	68.2	-15.41	167	200	H
6	14.312	32.03	PK-U	39.7	-19.4	0	52.33	-	-	-	-	68.2	-15.87	345	102	V

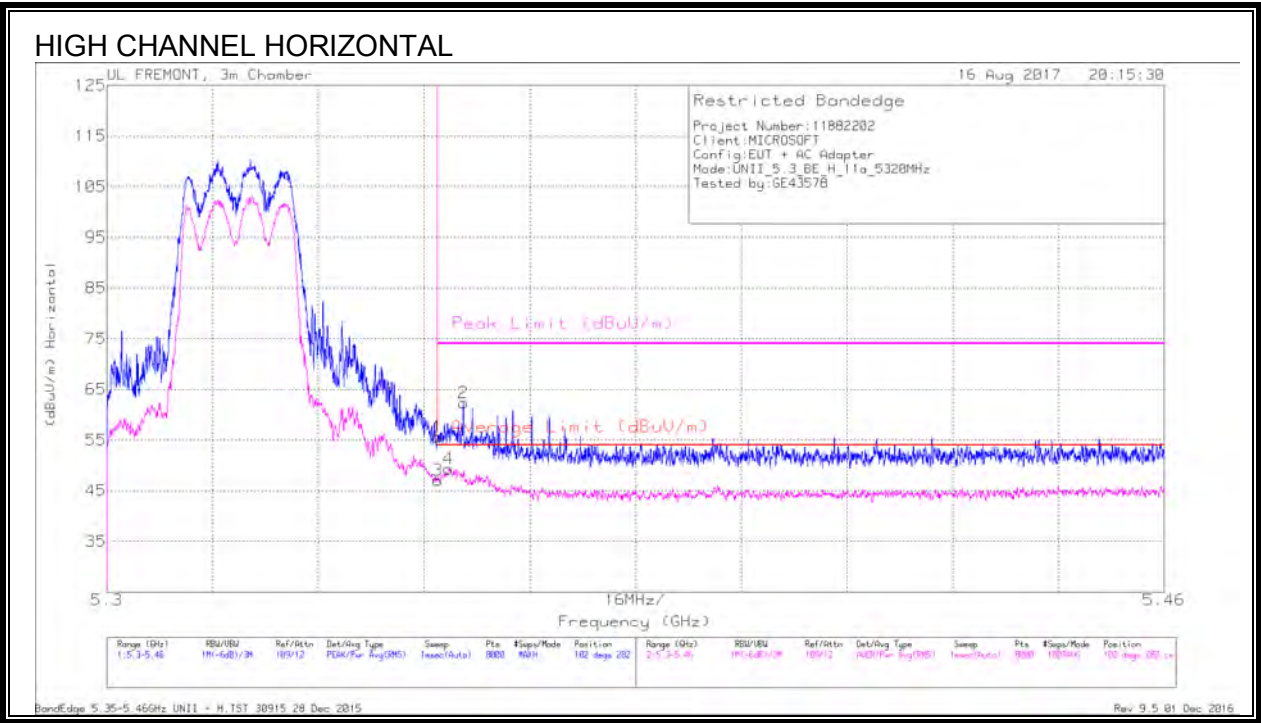
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

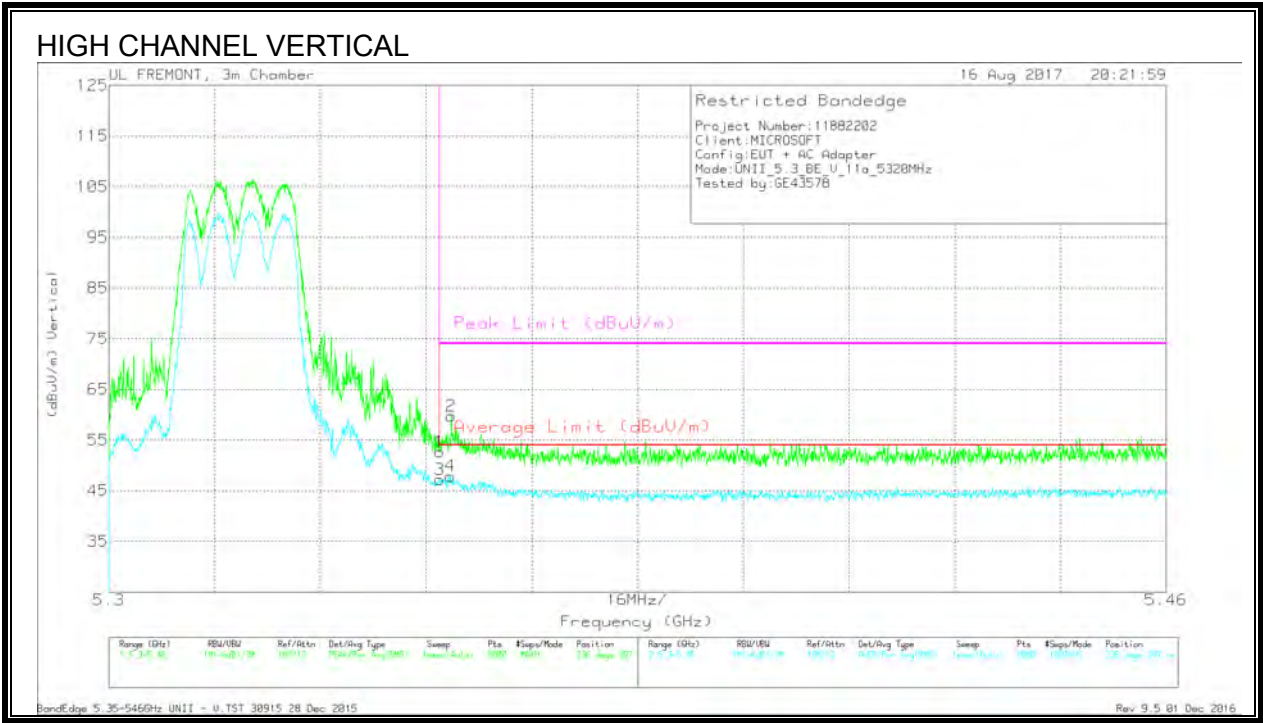
10.1.5. 11a 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/Col/Filt/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	40.16	Pk	34.3	-18.8	0	55.66	-	-	74	-18.34	102	282	H
3	5.35	31.58	RMS	34.3	-18.8	0	47.08	54	-6.92	-	-	102	282	H
4	5.352	33.84	RMS	34.3	-18.8	0	49.34	54	-4.66	-	-	102	282	H
2	5.354	46.73	Pk	34.4	-18.8	0	62.33	-	-	74	-11.67	102	282	H

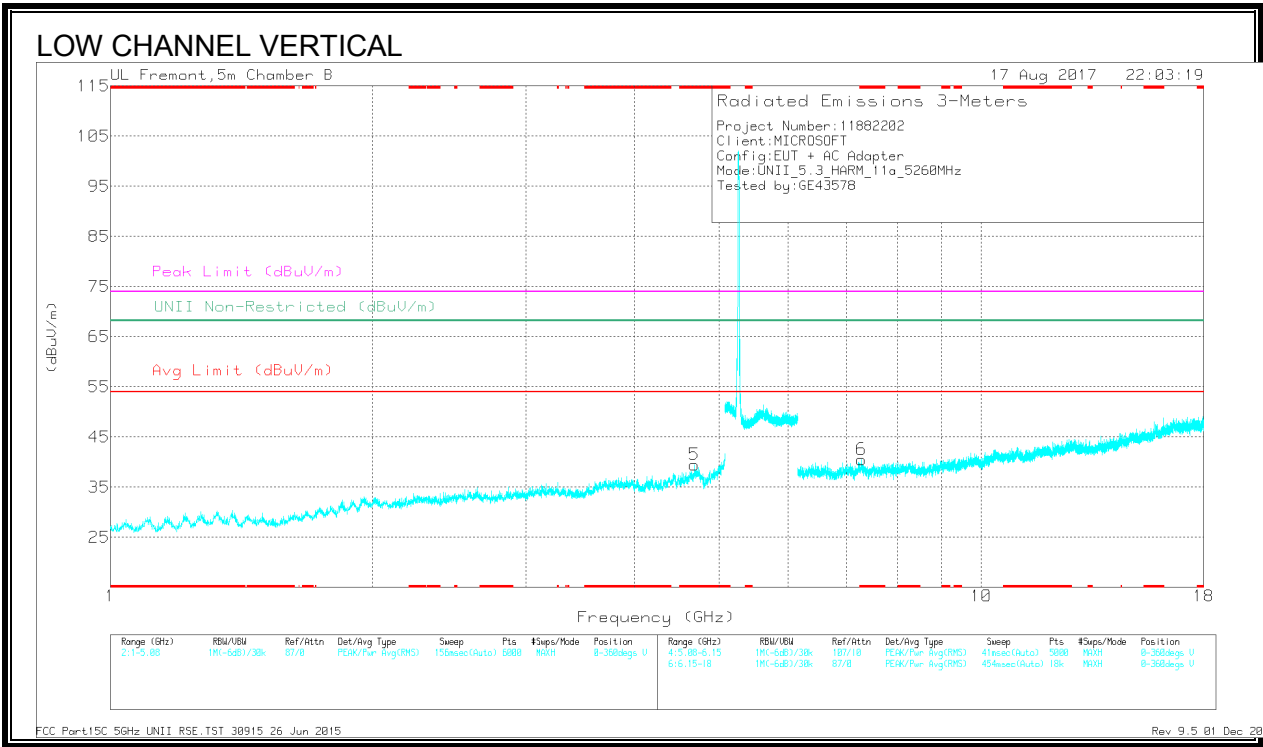
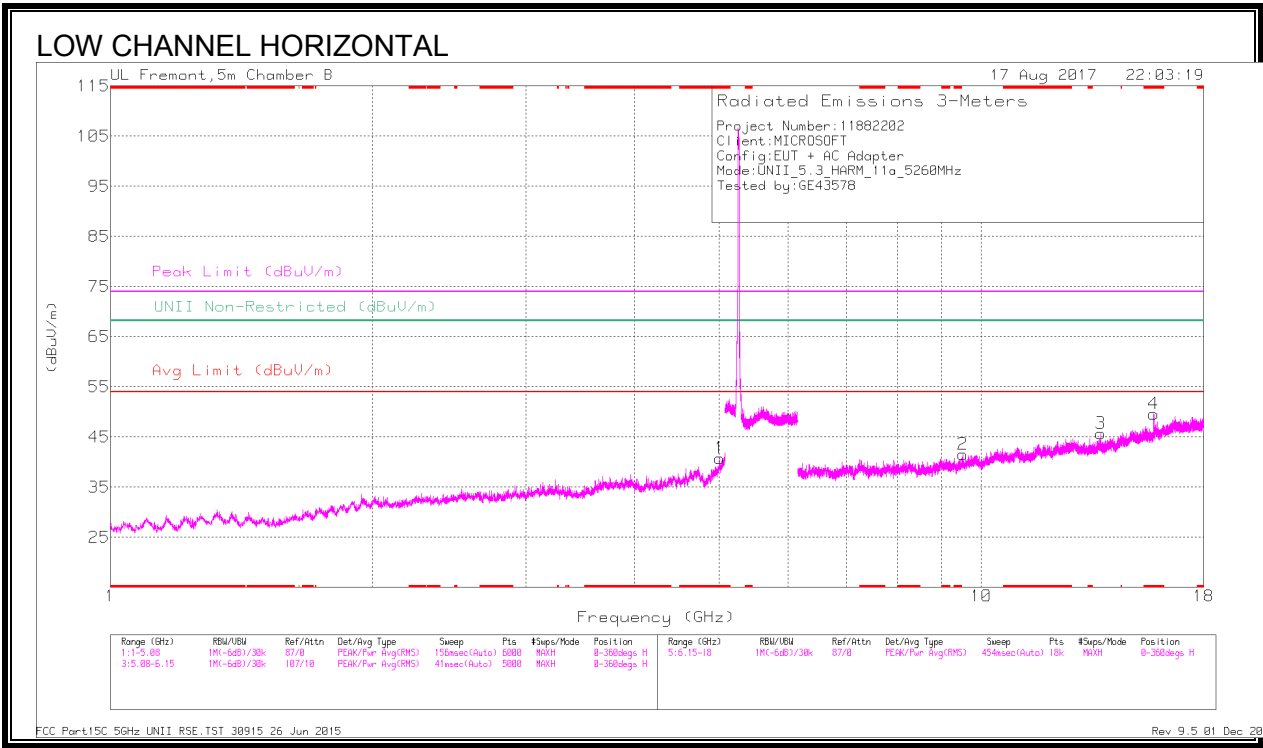
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dBm)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	37.13	Pk	34.3	-18.8	0	52.63	-	-	74	-21.37	236	397	V
3	5.35	31.73	RMS	34.3	-18.8	0	47.23	54	-6.77	-	-	236	397	V
2	5.352	44.19	Pk	34.3	-18.8	0	59.69	-	-	74	-14.31	236	397	V
4	5.352	32.37	RMS	34.3	-18.8	0	47.87	54	-6.13	-	-	236	397	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

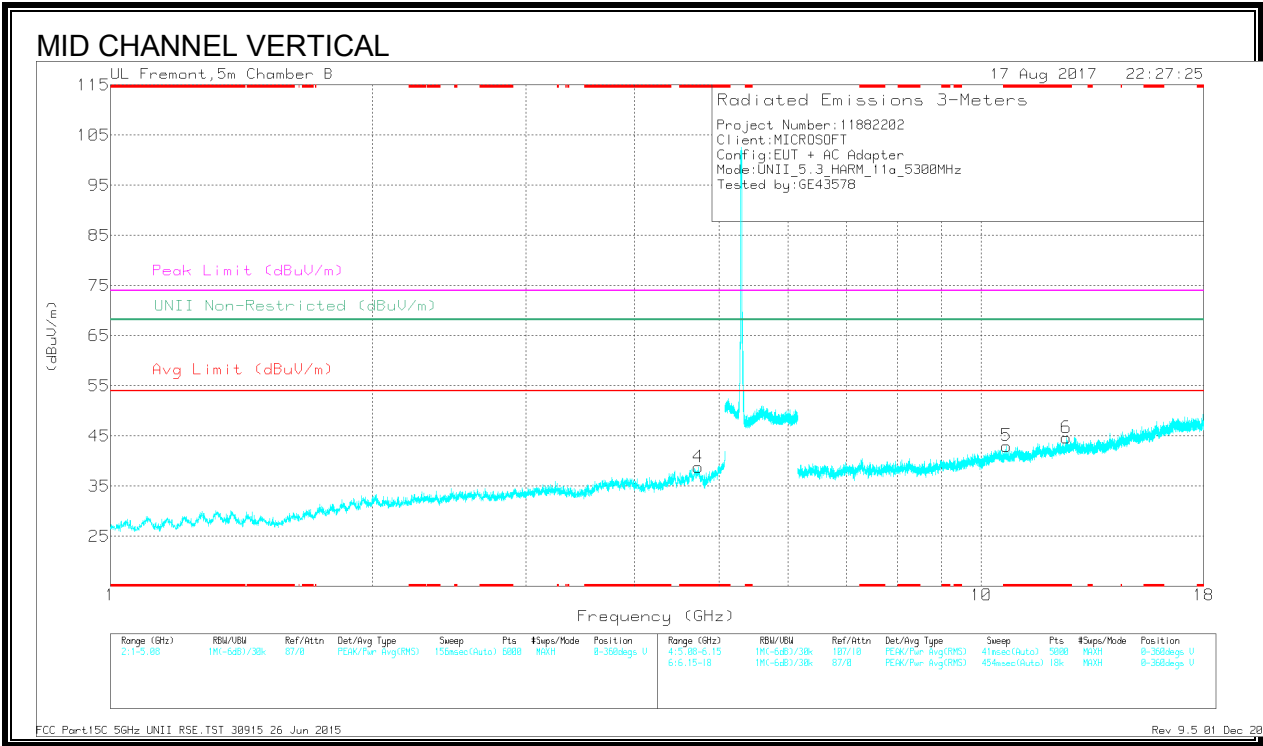
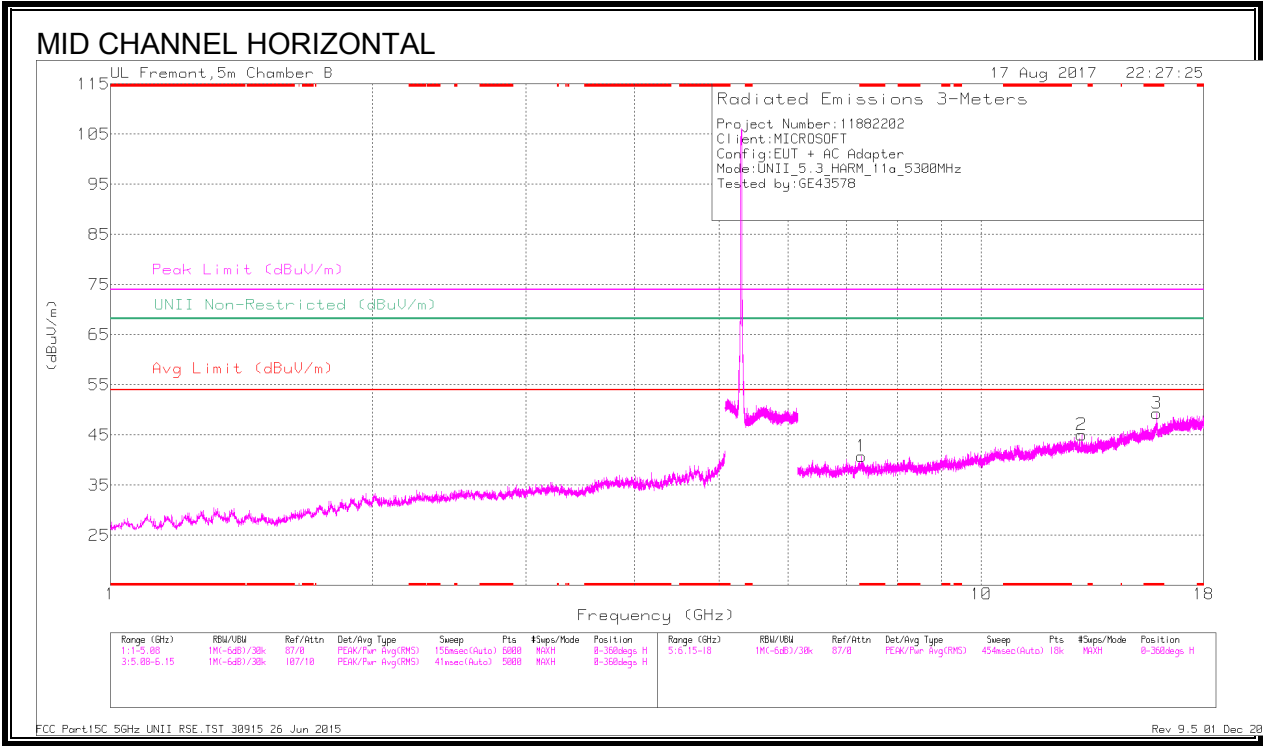


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cable/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Dops)	Height (cm)	Polarity
1	* 5.006	39.84	PK-U	34.4	-27.1	0	47.14	-	-	74	-26.86	-	-	264	200	H
	* 5.006	39.02	ADR	34.4	-27.1	0	35.32	-	-18.68	-	-	-	-	264	200	H
5	* 4.685	39.8	PK-U	34.2	-29	0	45	-	-	74	-29	-	-	22	104	V
	* 4.684	27.98	ADR	34.2	-29	0	33.18	-	-20.82	-	-	-	-	22	104	V
4	* 15.783	38.52	PK-U	40.9	-20.4	0	59.02	-	-	74	-14.98	-	-	202	217	H
	* 15.783	25.51	ADR	40.9	-20.4	0	46.01	-	-7.99	-	-	-	-	202	217	H
6	* 7.288	37.03	PK-U	35.8	-26	0	46.83	-	-	74	-27.17	-	-	359	202	V
	* 7.289	24.7	ADR	35.8	-26	0	34.5	-	-19.5	-	-	-	-	359	202	V
2	9.529	35.13	PK-U	36.7	-24.1	0	47.73	-	-	-	-	68.2	-20.47	149	199	H
3	13.704	32.49	PK-U	39.1	-21.9	0	49.69	-	-	-	-	68.2	-18.51	1	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

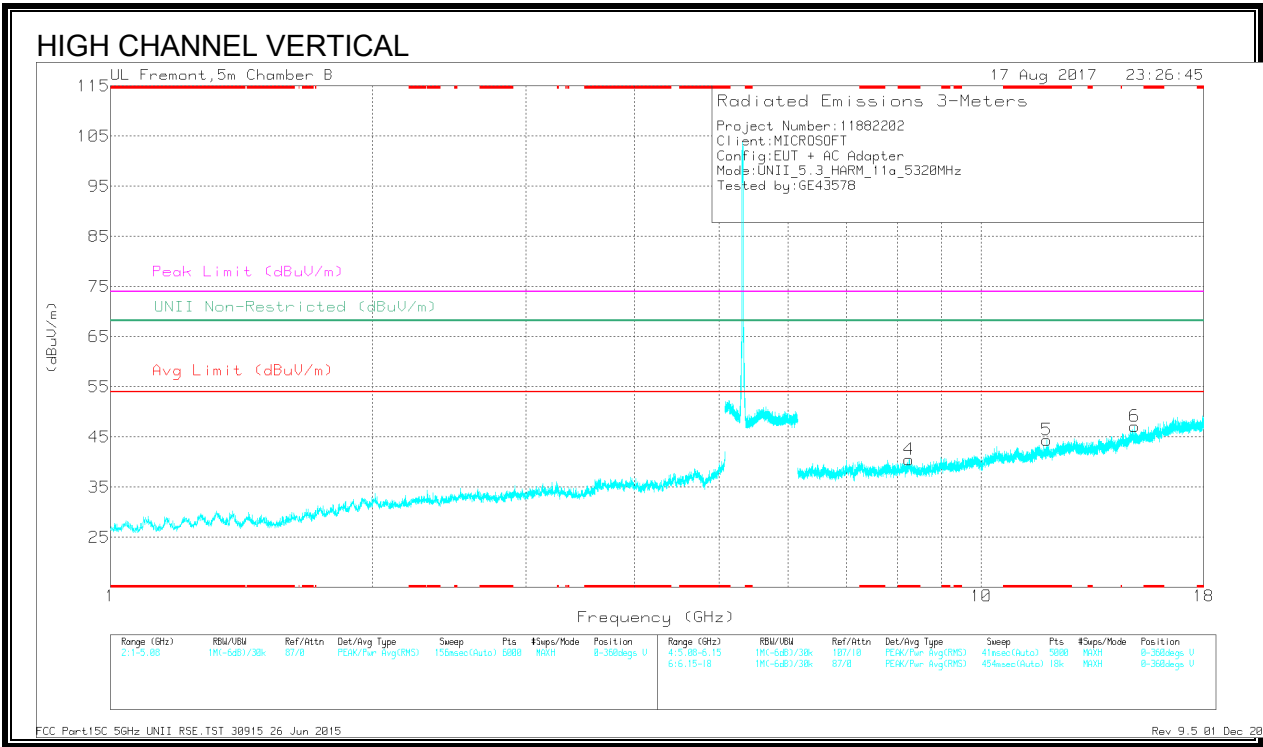
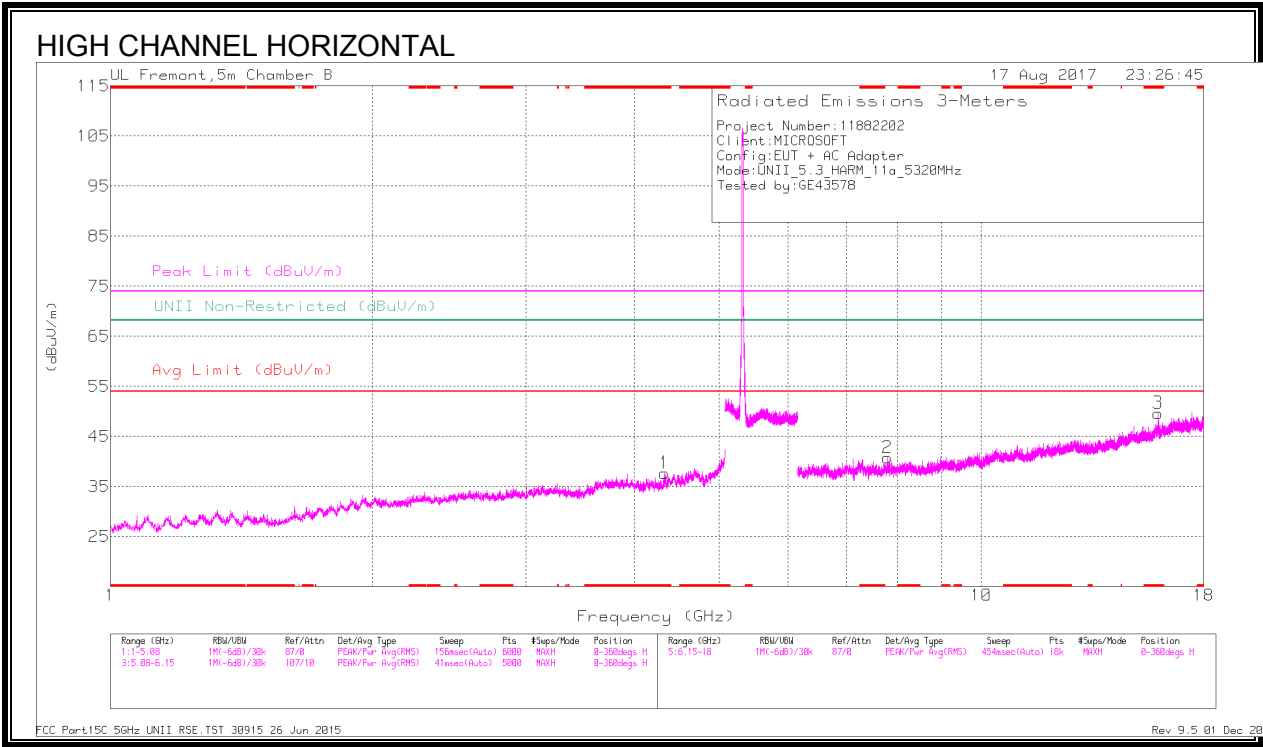


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cali/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unli Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (ft)	Height (cm)	Polarity
4	* 4.728	40.35	PK-U	34.2	-28.1	0	45.45	-	-	74	-28.55	-	-	315	200	V
	* 4.728	28.3	ADR	34.2	-29.1	0	33.4	-	-20.6	-	-	-	-	315	200	V
1	* 7.279	36.35	PK-U	35.8	-25.8	0	46.35	-	-	74	-27.65	-	-	360	200	H
	* 7.279	24.56	ADR	35.8	-25.8	0	34.56	-	-19.44	-	-	-	-	360	200	H
3	* 15.901	37.74	PK-U	41	-19.2	0	59.54	-	-	74	-14.46	-	-	208	388	H
	* 15.901	25.02	ADR	41	-19.2	0	46.82	-	-7.18	-	-	-	-	208	388	H
5	* 10.684	33.48	PK-U	37.6	-22.6	0	48.48	-	-	74	-25.52	-	-	309	104	V
	* 10.684	21.27	ADR	37.6	-22.6	0	36.27	-	-17.73	-	-	-	-	309	104	V
6	* 12.521	33.12	PK-U	39.1	-22.2	0	50.02	-	-	74	-23.98	-	-	331	104	V
	* 12.521	20.86	ADR	39.1	-22.2	0	37.76	-	-16.24	-	-	-	-	331	104	V
2	13.037	32.59	PK-U	39.4	-22.3	0	49.69	-	-	-	-	68.2	-18.51	53	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cable/Filt/Pad (dB)	DC Corr (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 (ft)	Height (m)	Polarity
1	* 4.327	39.59	PK-U	33.6	-30.1	0	43.49	-	-	74	-30.51	-	-	265	104	H
	* 4.329	27.88	ADR	33.6	-30.2	0	31.28	54	-22.72	-	-	-	-	265	104	H
3	* 15.967	38.04	PK-U	41.1	-19.7	0	59.44	-	-	74	-14.56	-	-	206	288	H
	* 15.963	24.71	ADR	41.1	-19.9	0	45.91	54	-8.09	-	-	-	-	206	288	H
4	* 8.254	36.87	PK-U	36.1	-26.3	0	46.67	-	-	74	-27.33	-	-	238	104	V
	* 8.254	24.72	ADR	36.1	-26.3	0	34.52	54	-19.48	-	-	-	-	238	104	V
5	* 11.888	33.68	PK-U	38.7	-22.6	0	49.78	-	-	74	-24.22	-	-	272	200	V
	* 11.887	21.3	ADR	38.7	-22.6	0	37.4	54	-16.6	-	-	-	-	272	200	V
2	7.807	35.55	PK-U	38	-25.2	0	45.75	-	-	-	-	68.2	-22.45	144	104	H
6	14.991	32.23	PK-U	40.6	-21	0	51.83	-	-	-	-	68.2	-16.37	20	104	V

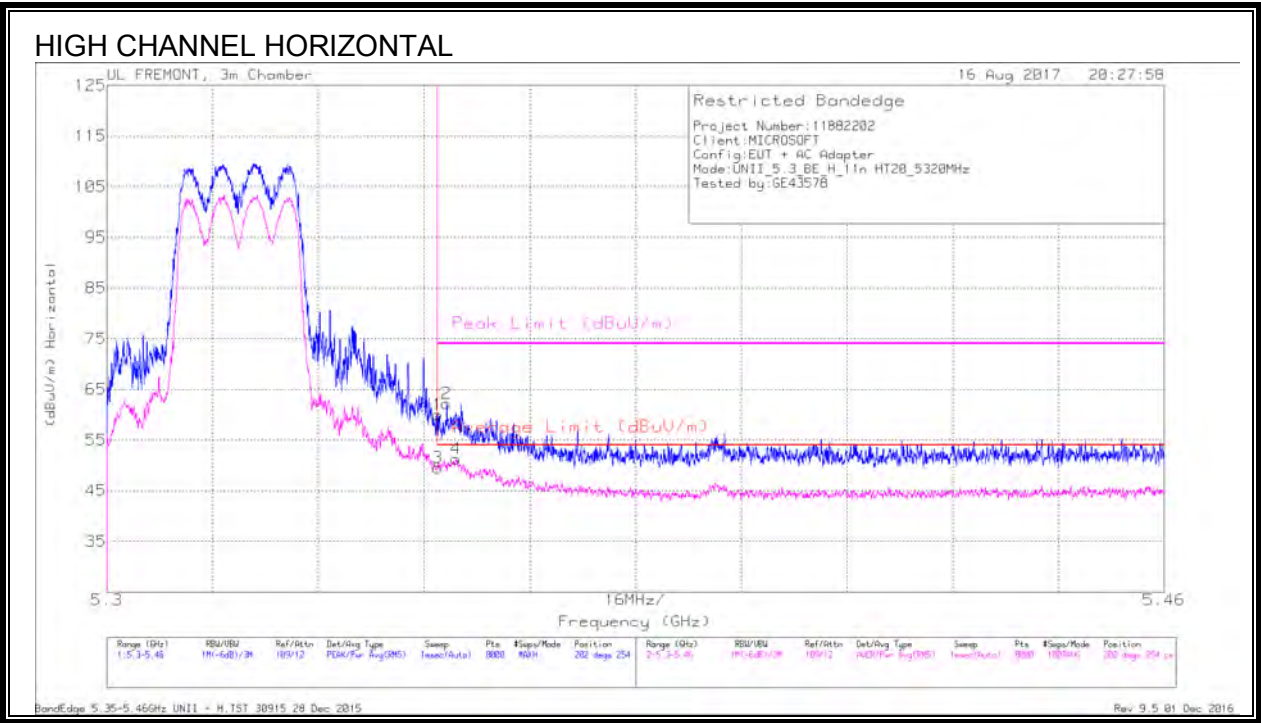
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

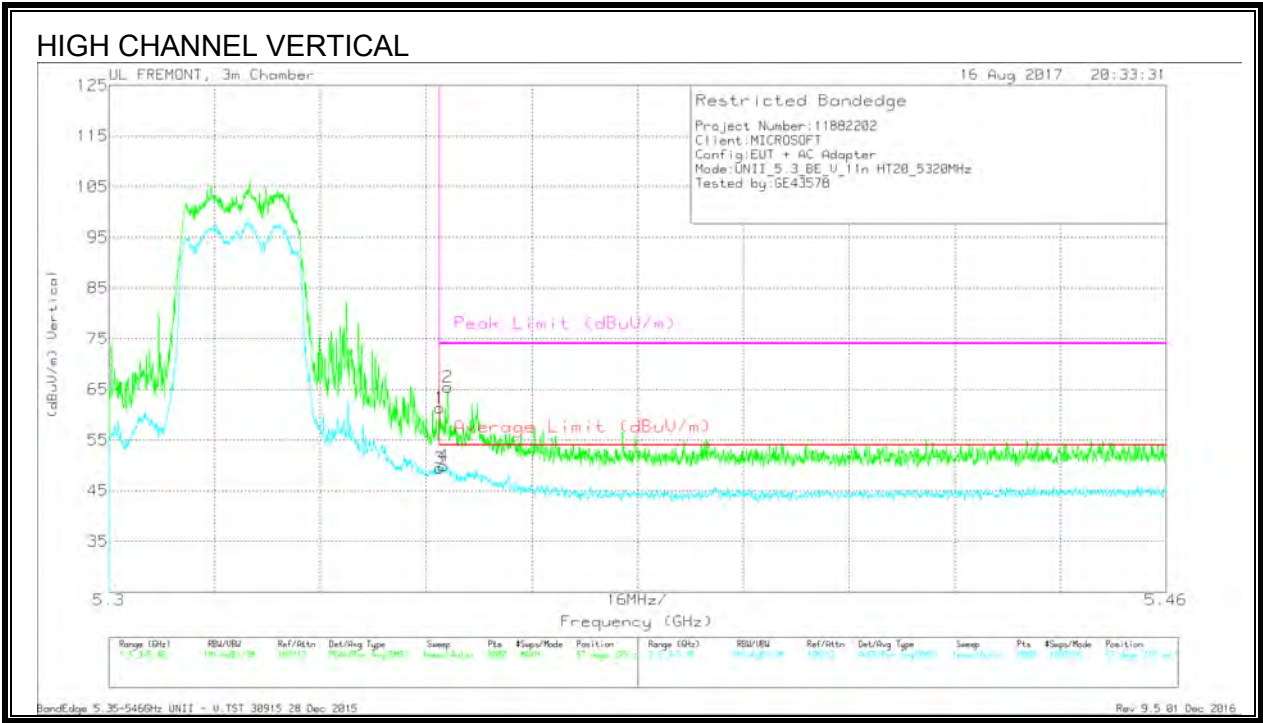
10.1.6. 11n HT20 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/CbI/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	44.5	Pk	34.3	-18.8	0	60	-	-	74	-14	202	254	H
3	5.35	34.04	RMS	34.3	-18.8	0	49.54	54	-4.46	-	-	202	254	H
2	5.351	46.72	Pk	34.3	-18.8	0	62.22	-	-	74	-11.78	202	254	H
4	5.353	35.65	RMS	34.4	-18.8	0	51.25	54	-2.75	-	-	202	254	H

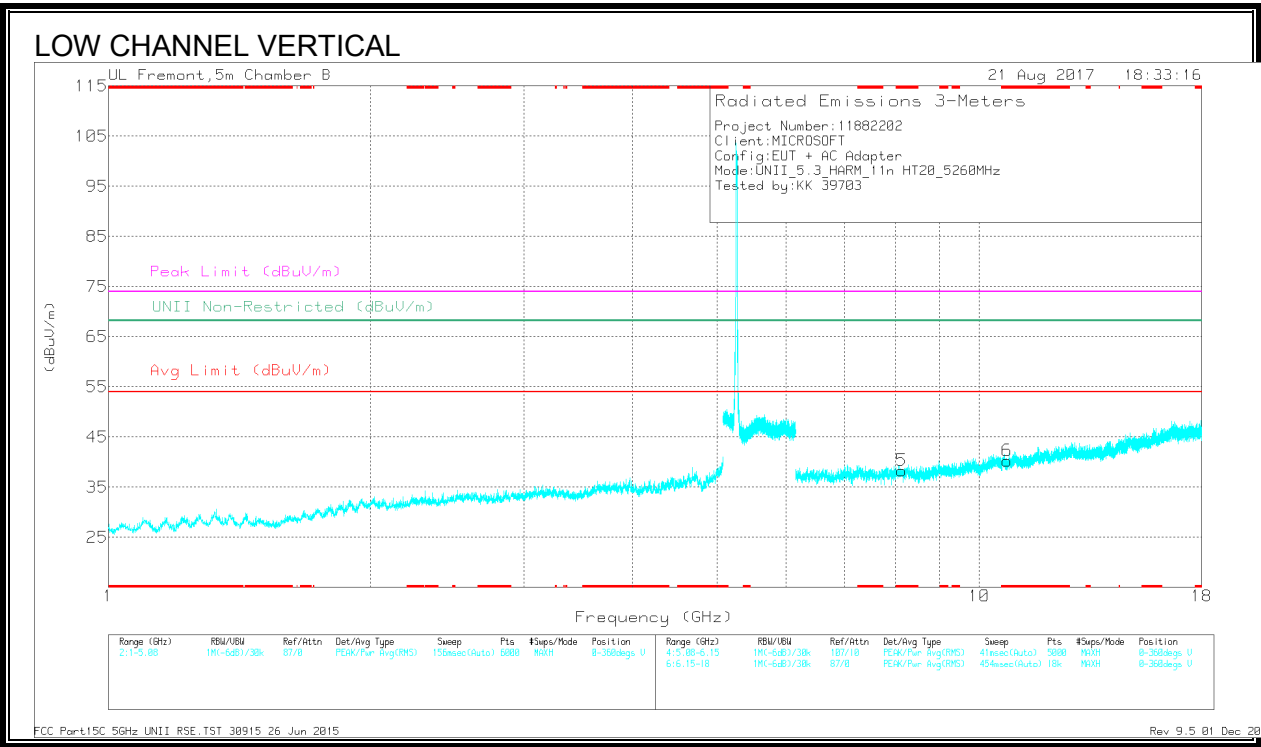
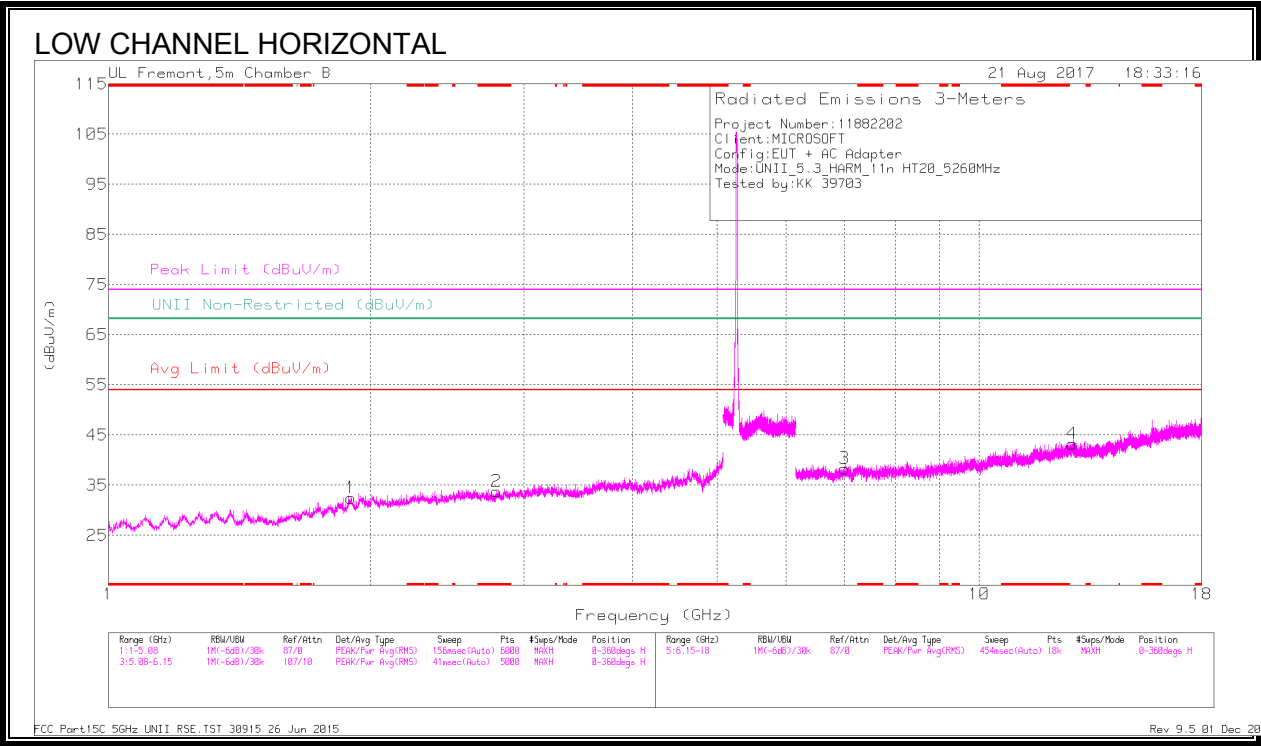
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dBm)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	45.82	Pk	34.3	-18.8	0	61.32	-	-	74	-12.68	57	275	V
3	5.35	33.93	RMS	34.3	-18.8	0	49.43	54	-4.57	-	-	57	275	V
2	5.351	49.95	Pk	34.3	-18.8	0	65.45	-	-	74	-8.55	57	275	V
4	5.351	34.38	RMS	34.3	-18.8	0	49.88	54	-4.12	-	-	57	275	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

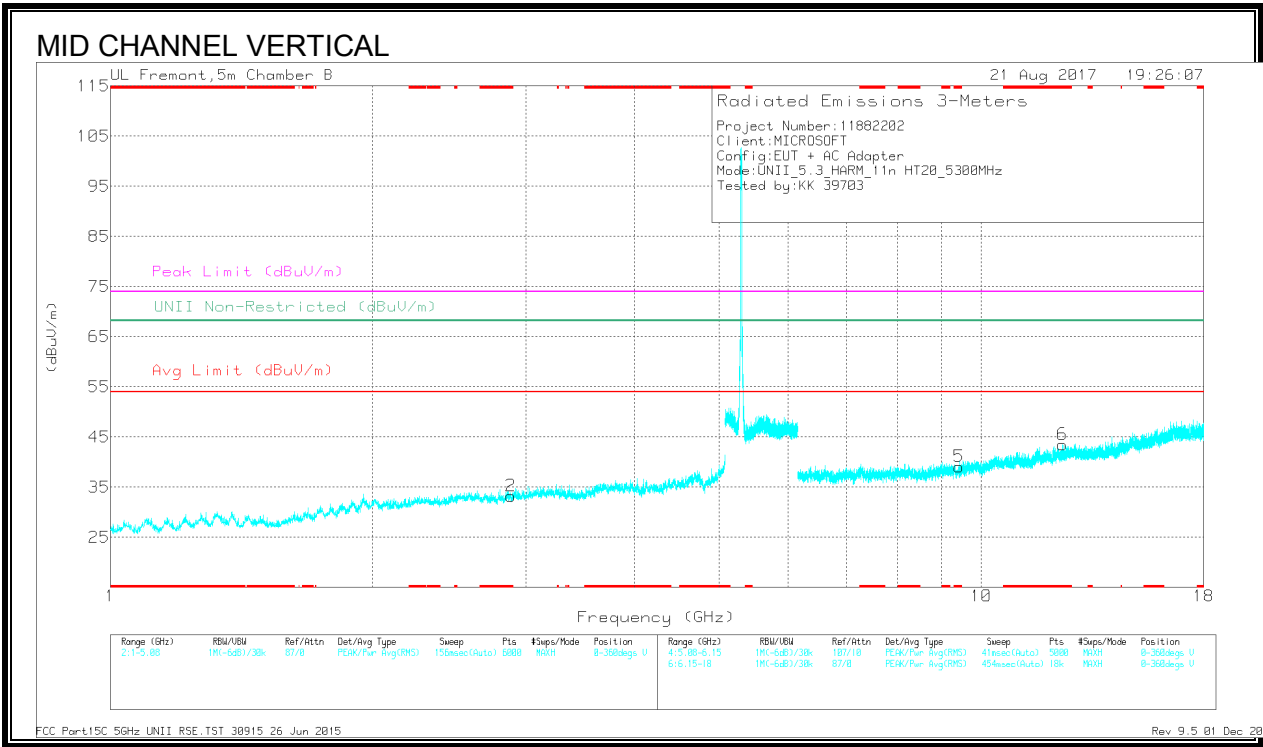
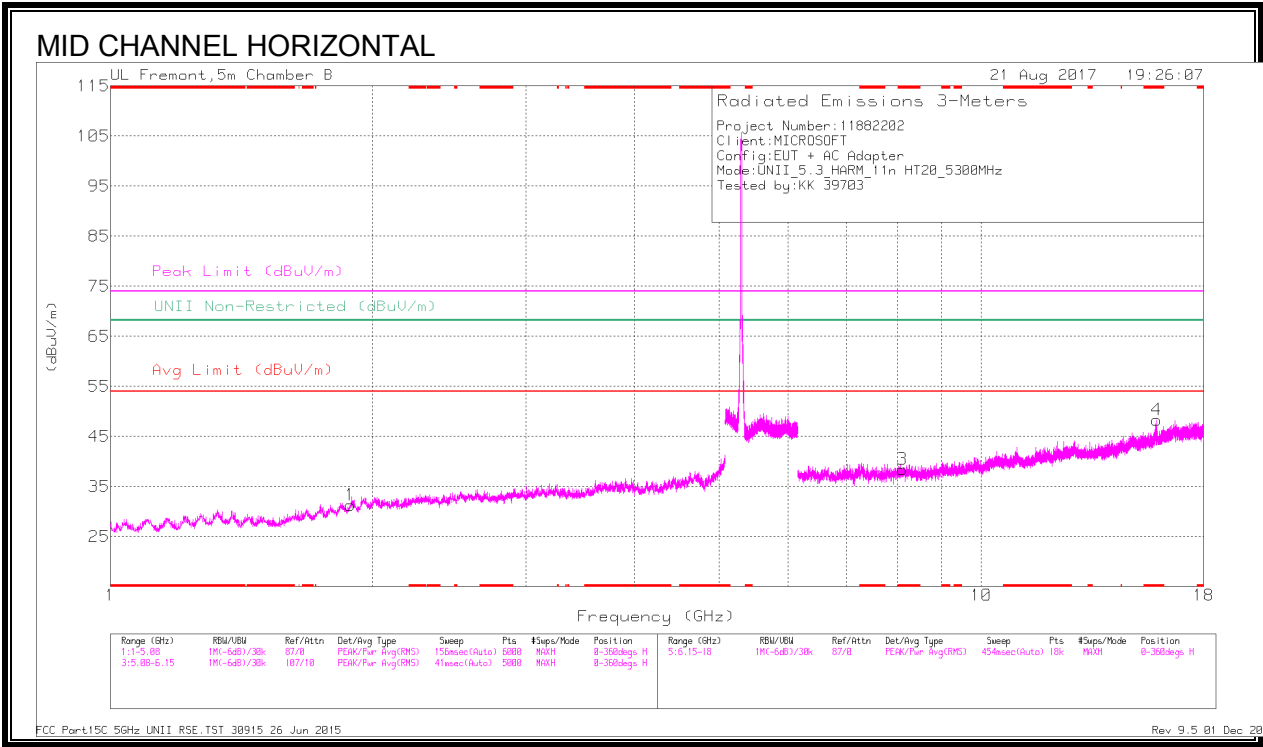


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.791	39.72	PK-U	32.4	-32.1	0	40.02	-	-	74	-33.98	-	-	357	104	H
	* 2.791	27.76	ADR	32.4	-32.1	0	28.06	54	-25.94	-	-	-	-	357	104	H
5	* 8.143	35.88	PK-U	36	-26.5	0	45.38	-	-	74	-28.62	-	-	32	199	V
	* 8.144	23.52	ADR	36	-26.6	0	32.92	54	-21.08	-	-	-	-	32	199	V
6	* 10.762	32.4	PK-U	37.7	-23.4	0	46.7	-	-	74	-27.3	-	-	121	103	V
	* 10.762	20.39	ADR	37.7	-23.4	0	34.69	54	-19.31	-	-	-	-	121	103	V
1	1.897	40.38	PK-U	30.9	-32.6	0	38.68	-	-	-	-	68.2	-29.52	0	199	H
3	7.002	36.01	PK-U	35.8	-26.9	0	44.91	-	-	-	-	68.2	-23.29	129	199	H
4	12.779	32.45	PK-U	39.4	-21.4	0	50.45	-	-	-	-	68.2	-17.75	233	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

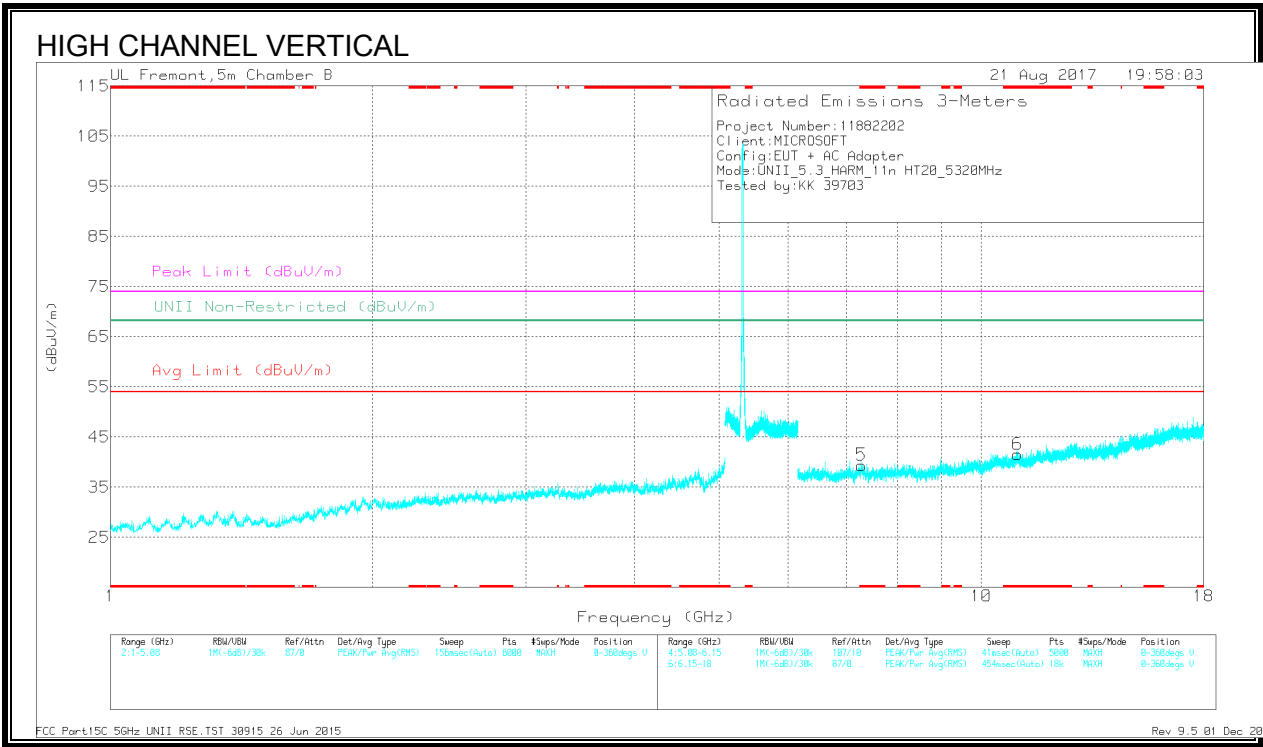
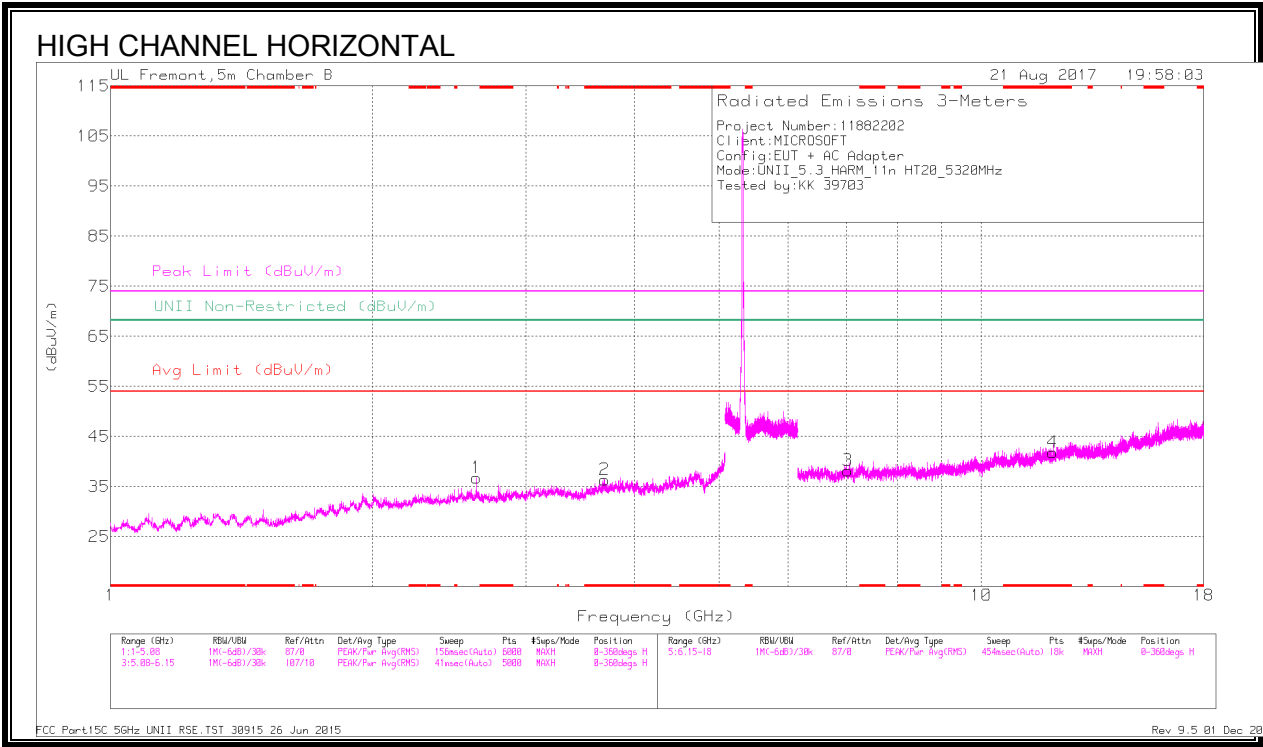


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.686	36.96	PK-U	32.5	-31.3	0	40.16	-	-	74	-33.64	-	-	346	199	V
	* 2.887	27.25	ADR	32.5	-31.3	0	28.45	54	-25.55	-	-	-	-	346	199	V
3	* 8.117	35.41	PK-U	36	-25.9	0	45.51	-	-	74	-28.49	-	-	248	104	H
	* 8.12	23.69	ADR	36	-26	0	33.69	54	-20.31	-	-	-	-	248	104	H
4	* 15.901	30.54	PK-U	41	-19.2	0	52.34	-	-	74	-21.66	-	-	137	199	H
	* 15.901	17.92	ADR	41	-19.2	0	39.72	54	-14.28	-	-	-	-	137	199	H
5	* 9.432	34.16	PK-U	36.6	-24.9	0	45.86	-	-	74	-28.14	-	-	294	104	V
	* 9.431	22.12	ADR	36.6	-24.8	0	33.92	54	-20.08	-	-	-	-	294	104	V
6	* 12.393	32.48	PK-U	39	-22.5	0	48.98	-	-	74	-25.02	-	-	255	200	V
	* 12.393	20.35	ADR	39	-22.5	0	36.85	54	-17.15	-	-	-	-	255	200	V
1	1.886	40.59	PK-U	30.9	-32.8	0	38.69	-	-	-	-	68.2	-29.51	346	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



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (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
2	* 3.69	40.26	PK-U	33.2	-30.5	0	42.96	-	-	74	-31.04	-	-	264	101	H
	* 3.693	27.49	ADR	33.2	-30.7	0	29.99	54	-24.01	-	-	-	-	264	101	H
4	* 12.077	32.22	PK-U	38.9	-22.8	0	48.32	-	-	74	-25.68	-	-	44	199	H
	* 12.075	19.27	ADR	38.9	-22.8	0	35.37	54	-18.63	-	-	-	-	44	199	H
5	* 7.282	36.03	PK-U	35.8	-25.9	0	45.93	-	-	74	-28.07	-	-	151	199	V
	* 7.282	24.52	ADR	35.8	-25.9	0	34.42	54	-19.58	-	-	-	-	151	199	V
6	* 11.008	32.57	PK-U	37.7	-21.8	0	48.47	-	-	74	-25.53	-	-	151	199	V
	* 11.005	20.41	ADR	37.7	-21.8	0	36.51	54	-17.49	-	-	-	-	151	199	V
1	2.632	39.57	PK-U	32.5	-31.7	0	40.37	-	-	-	-	68.2	-27.83	41	101	H
3	7.025	36.47	PK-U	35.9	-27.1	0	45.27	-	-	-	-	68.2	-22.93	278	199	H

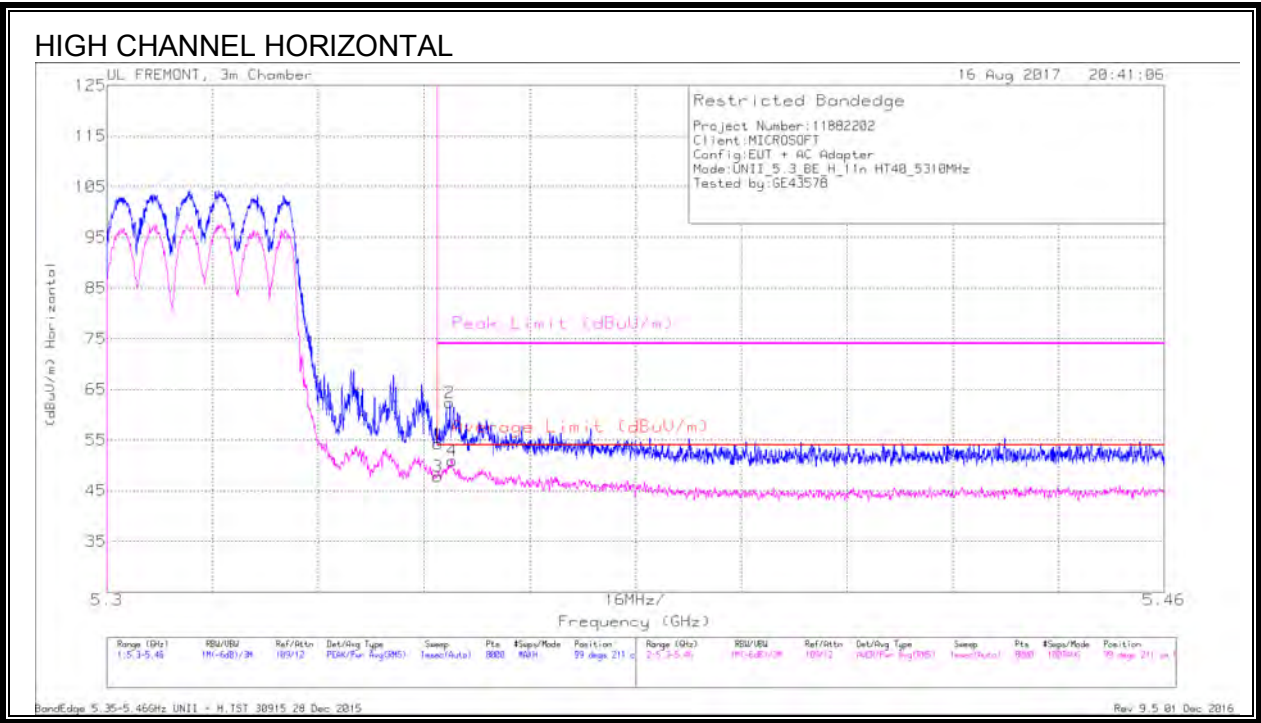
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

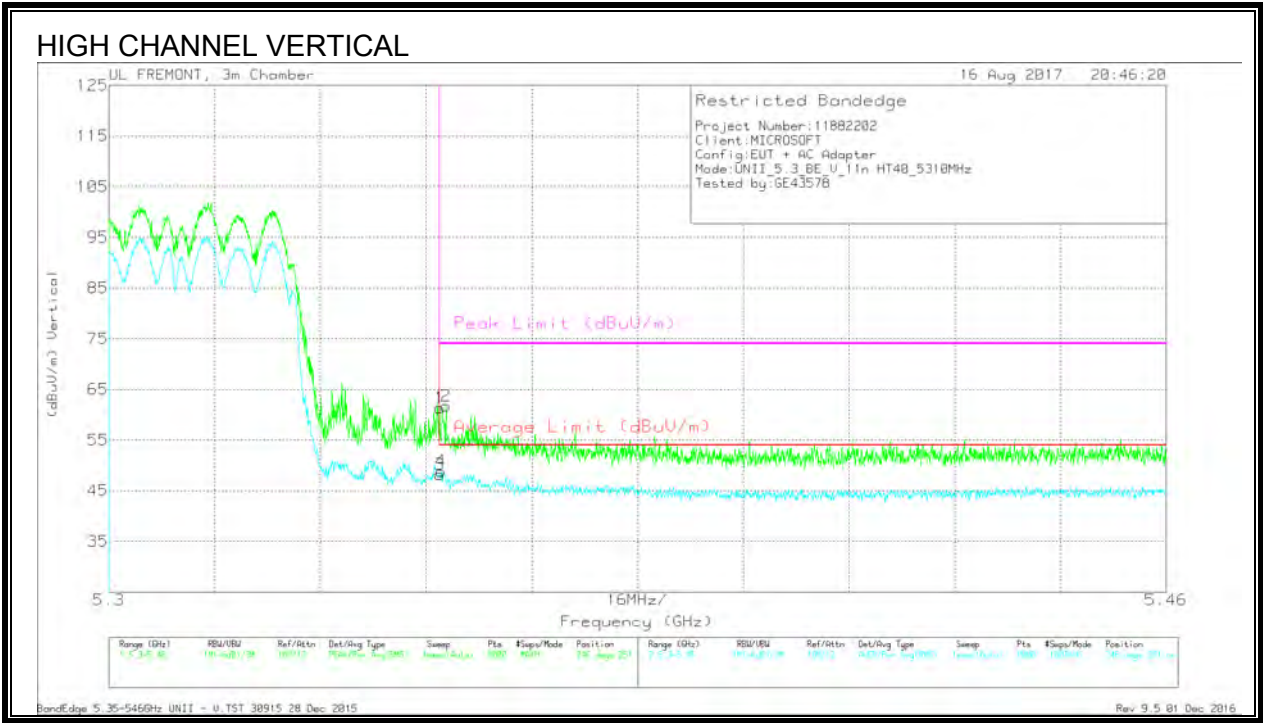
10.1.7. 11n HT40 2TX MODE IN THE 5.3GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/Col/Filt/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	38.71	Pk	34.3	-18.8	0	54.21	-	-	74	-19.79	99	211	H
3	5.35	32.32	RMS	34.3	-18.8	0	47.82	54	-6.18	-	-	99	211	H
2	5.352	46.88	Pk	34.3	-18.8	0	62.38	-	-	74	-11.62	99	211	H
4	5.352	35.35	RMS	34.4	-18.8	0	50.95	54	-3.05	-	-	99	211	H

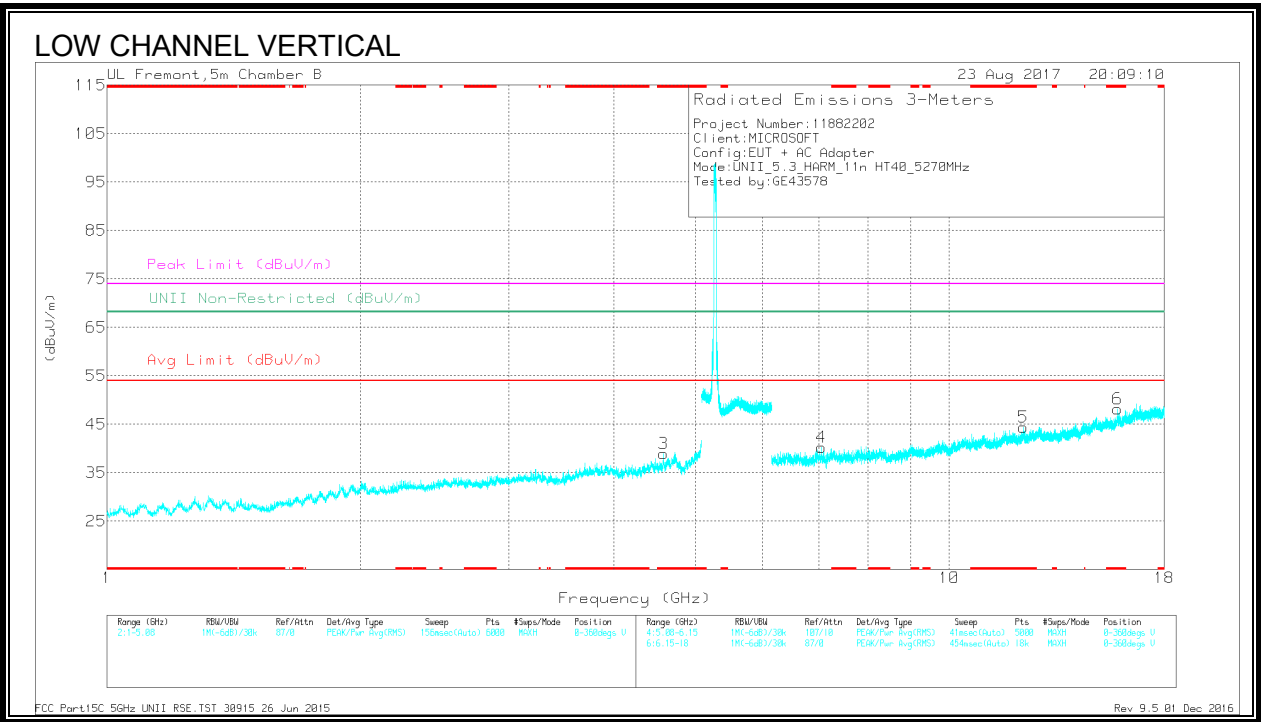
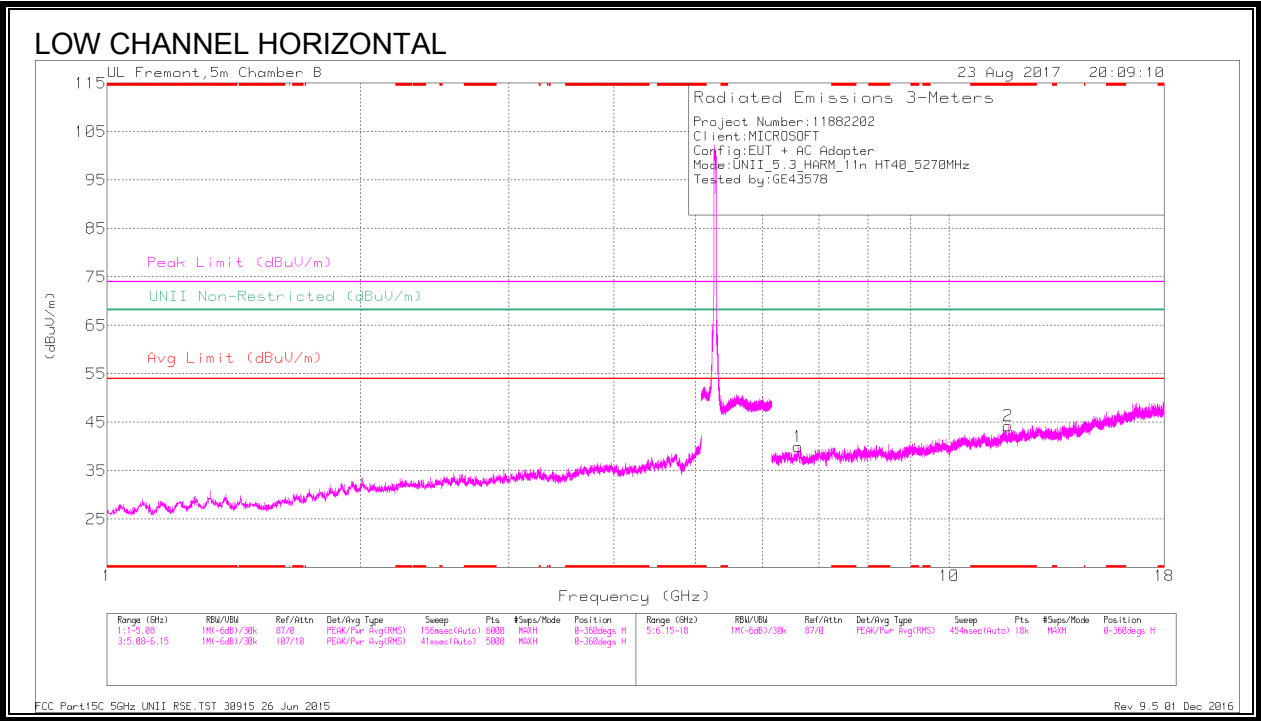
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dBm)	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	45.82	Pk	34.3	-18.8	0	61.32	-	-	74	-12.68	246	251	V
3	5.35	32.66	RMS	34.3	-18.8	0	48.16	54	-5.84	-	-	246	251	V
4	5.35	33.36	RMS	34.3	-18.8	0	48.86	54	-5.14	-	-	246	251	V
2	5.351	46.22	Pk	34.3	-18.8	0	61.72	-	-	74	-12.28	246	251	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

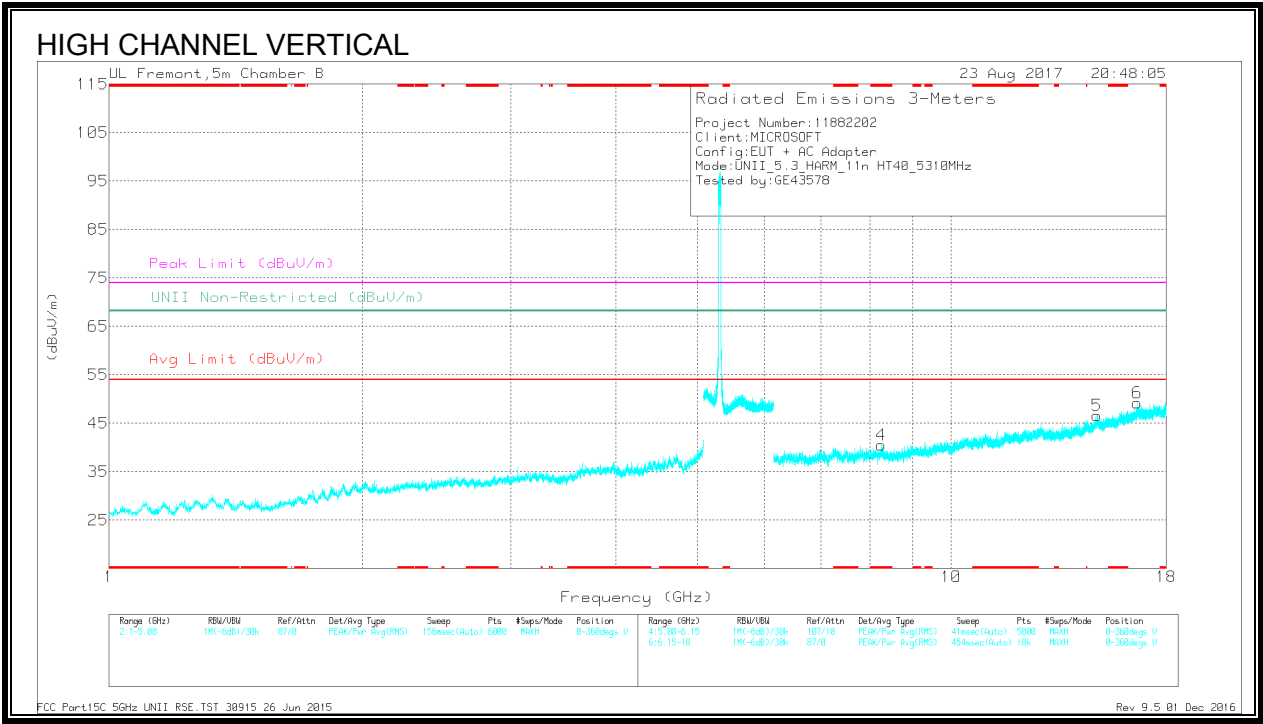
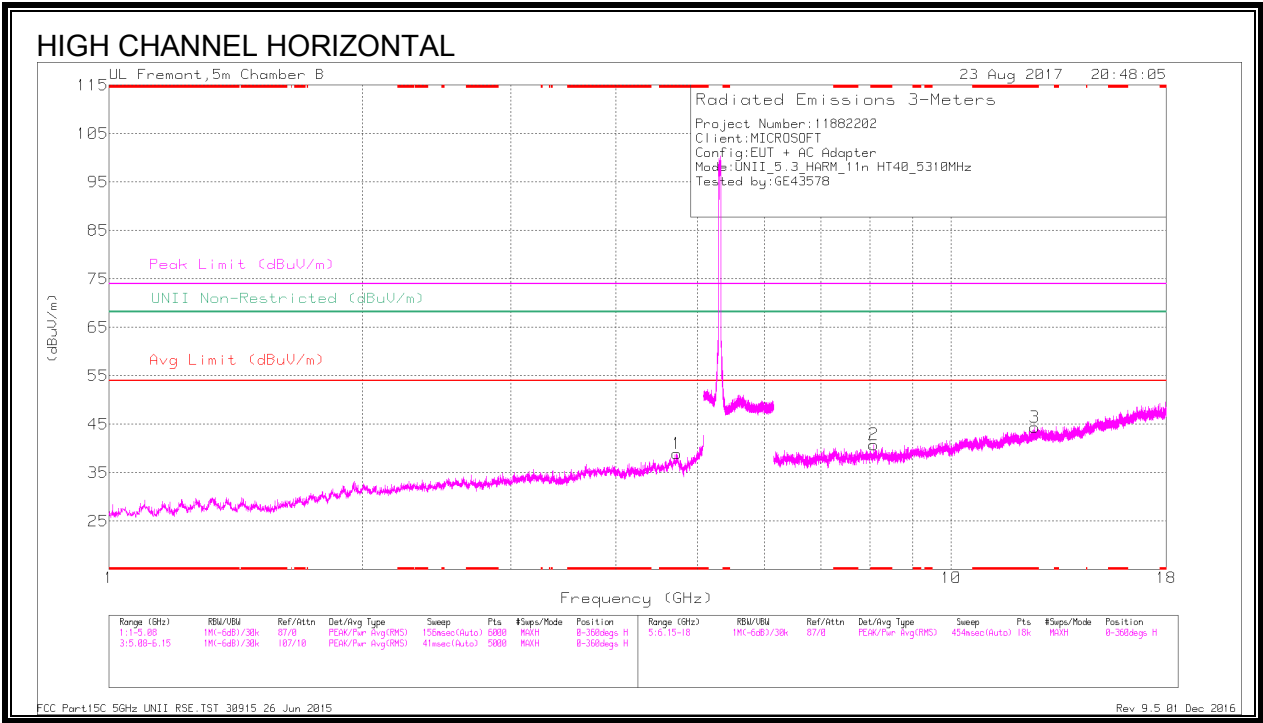


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cali/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (feet)	Height (cm)	Polarity
3	* 4.578	39.59	PK-U	34.3	-29.6	0	44.69	-	-	74	-29.31	-	-	262	199	V
	* 4.578	27.59	ADR	34.3	-29.7	0	32.59	-	-	74	-24.67	-	-	262	199	V
2	* 11.75	33.33	PK-U	38.5	-22.5	0	49.33	-	-	74	-24.67	-	-	34	104	H
	* 11.751	21.44	ADR	38.5	-22.6	0	37.34	-	-	74	-23.82	-	-	34	104	H
5	* 12.244	32.88	PK-U	39.1	-21.8	0	50.18	-	-	74	-23.82	-	-	283	200	V
	* 12.244	21.08	ADR	39.1	-21.8	0	38.38	-	-	74	-17.82	-	-	283	200	V
6	* 15.857	33.78	PK-U	41	-18.6	0	56.18	-	-	74	-17.82	-	-	211	200	V
	* 15.858	19.77	ADR	41	-18.6	0	42.17	-	-	74	-11.83	-	-	211	200	V
1	6.612	36.59	PK-U	35.7	-27	0	45.59	-	-	-	-	68.2	-22.61	252	104	H
4	7.054	36.51	PK-U	35.9	-26.8	0	45.61	-	-	-	-	68.2	-22.59	322	200	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dB/m)	Amp/Cali/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 4.727	40.2	PK-U	34.2	-29.1	0	45.3	-	-	74	-26.7	-	-	0	199	H
	* 4.727	28.09	ADR	34.2	-29.1	0	33.19	-	-20.81	-	-	-	-	0	199	H
2	* 8.09	36.24	PK-U	36	-26.3	0	45.94	-	-	74	-28.06	-	-	70	104	H
	* 8.089	24.29	ADR	36	-26.2	0	34.09	-	-19.91	-	-	-	-	70	104	H
3	* 12.564	33.5	PK-U	39.2	-22.2	0	50.5	-	-	74	-23.5	-	-	5	104	H
	* 12.564	21.35	ADR	39.2	-22.2	0	38.35	-	-15.65	-	-	-	-	5	104	H
4	* 8.26	36.7	PK-U	36.1	-25.8	0	47	-	-	74	-27	-	-	245	104	V
	* 8.262	24.54	ADR	36.1	-25.6	0	35.04	-	-18.96	-	-	-	-	245	104	V
5	14.906	33.1	PK-U	40.6	-21.1	0	52.6	-	-	-	-	68.2	-15.6	126	200	V
6	16.63	30.93	PK-U	42.1	-18.6	0	54.43	-	-	-	-	68.2	-13.77	138	104	V

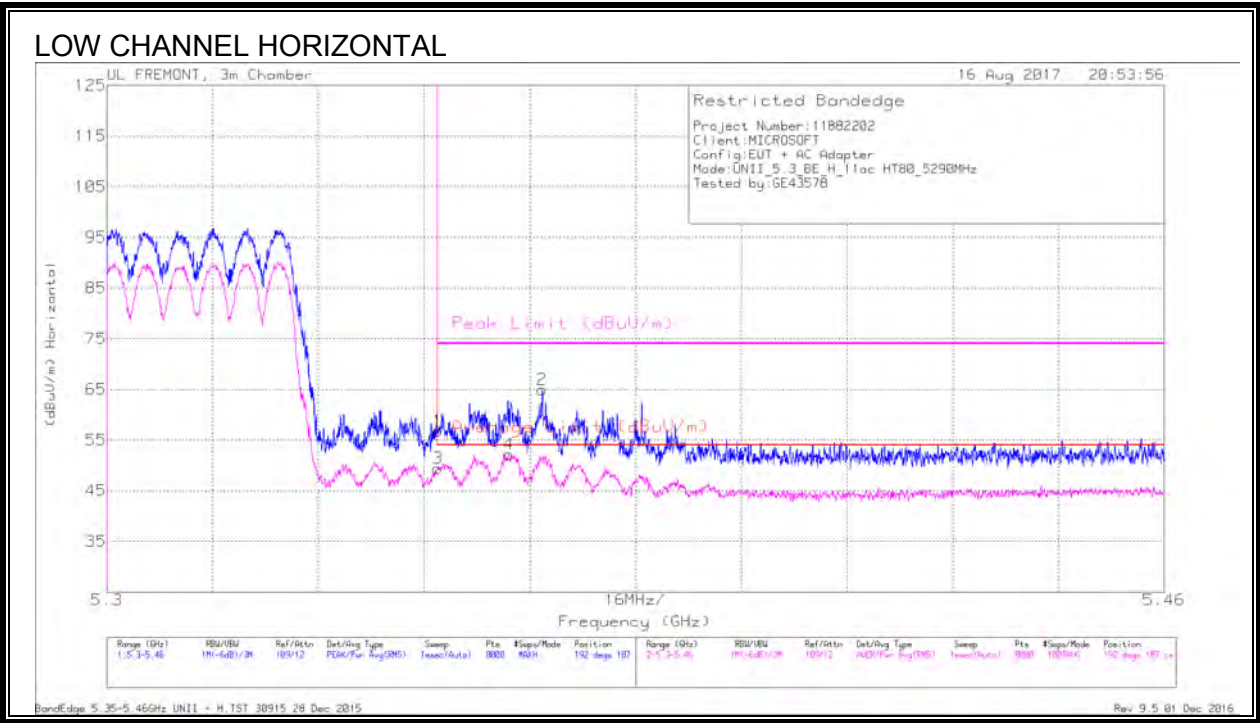
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

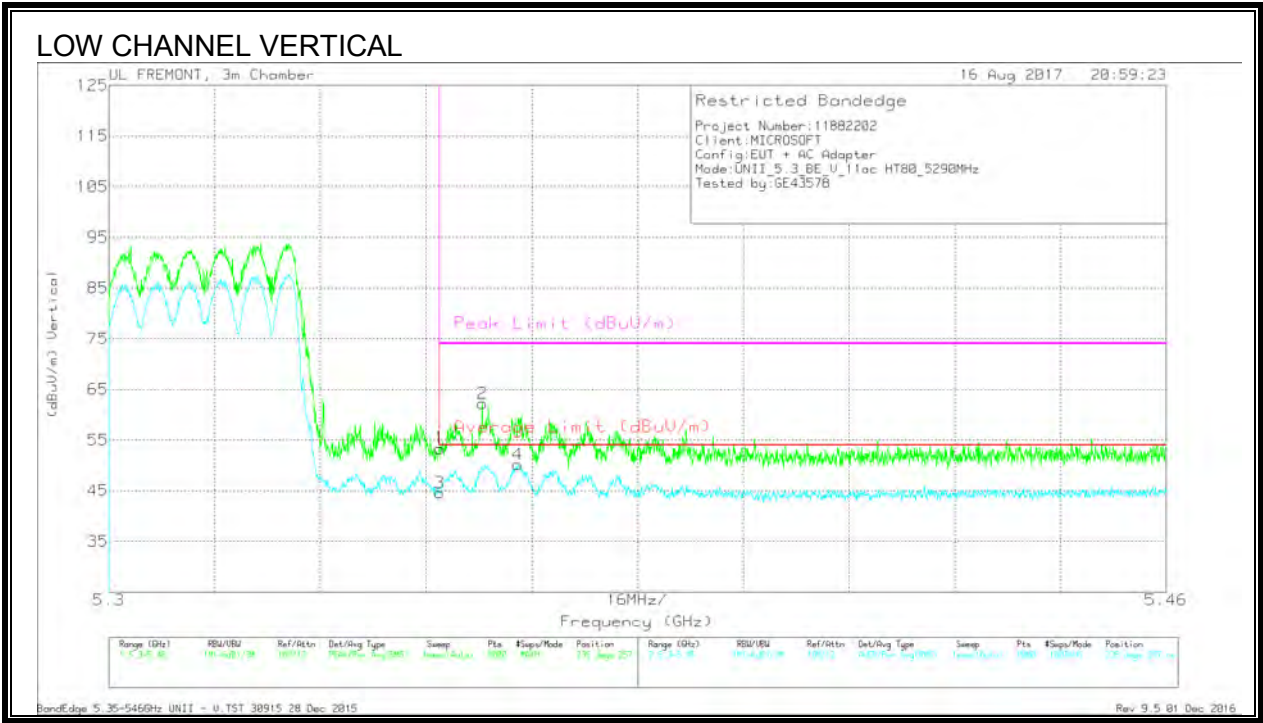
ADR - U-NII AD primary method, RMS average

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

AUTHORIZED BANDEDGE (HIGH CHANNEL)



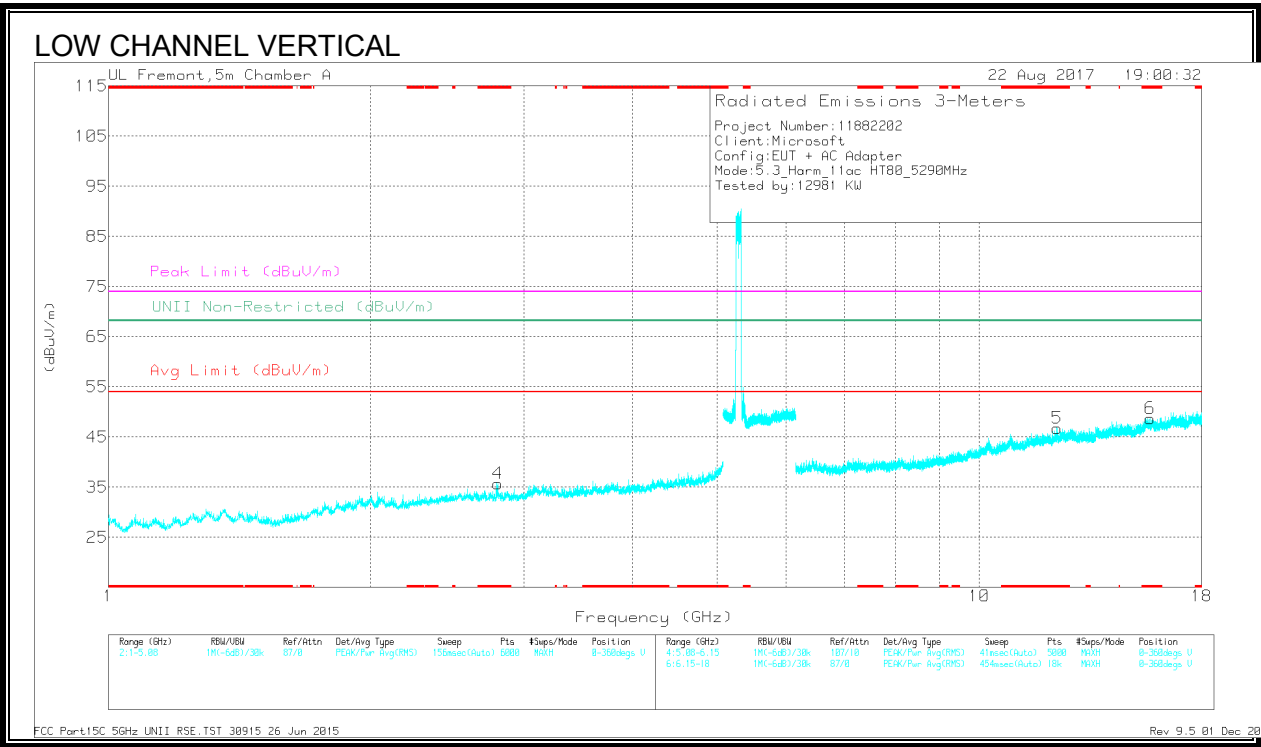
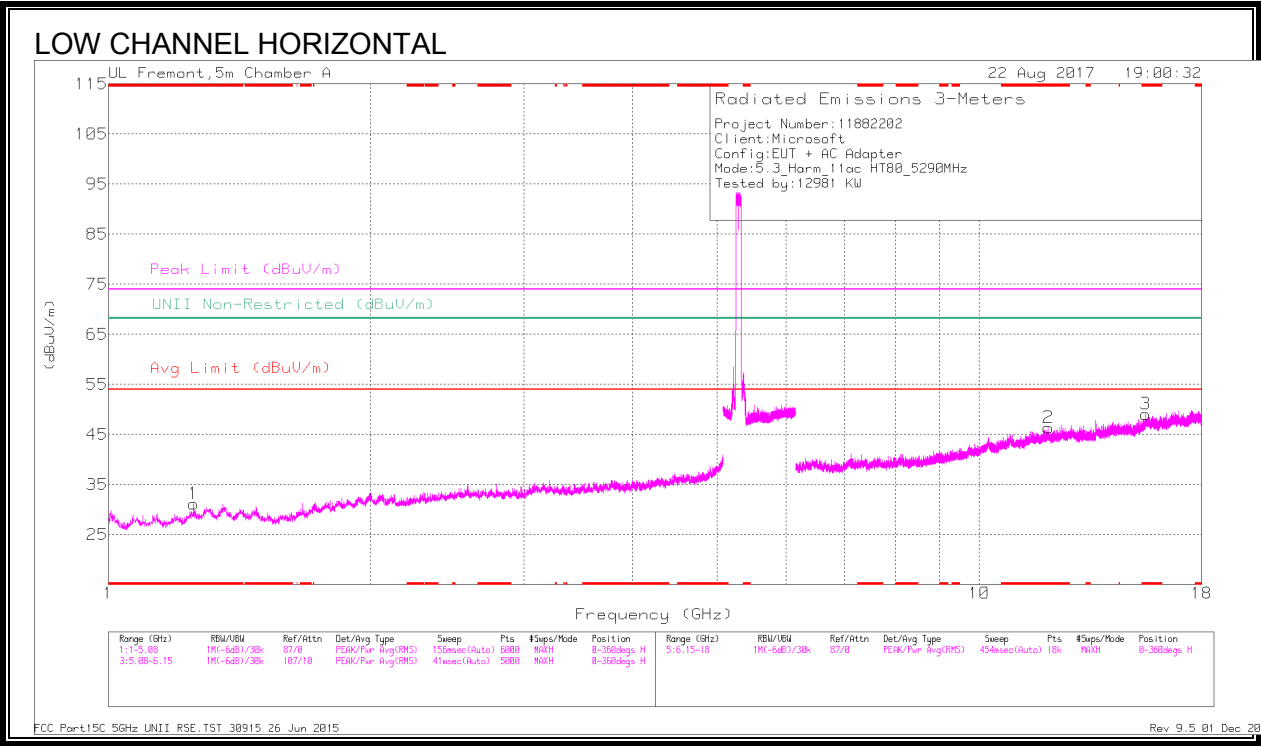
Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	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)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	37.83	Pk	34.3	-18.8	0	53.33	-	-	74	-20.67	235	257	V
3	5.35	29.08	RMS	34.3	-18.8	0	44.58	54	-9.42	-	-	235	257	V
2	5.356	46.64	Pk	34.4	-18.8	0	62.24	-	-	74	-11.76	235	257	V
4	5.362	34.44	RMS	34.4	-18.7	0	50.14	54	-3.86	-	-	235	257	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (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 (Degs)	Height (cm)	Polarity
1	* 1.253	40.77	PK-U	29.1	-33.5	0	36.37	-	-	74	-37.63	-	-	230	101	H
	* 1.251	28.57	ADR	29.1	-33.5	0	24.47	54	-29.53	-	-	-	-	230	101	H
4	* 2.796	41.38	PK-U	32.2	-30.8	0	42.78	-	-	74	-31.22	-	-	230	256	V
	* 2.801	27.12	ADR	32.2	-30.8	0	28.52	54	-25.48	-	-	-	-	230	256	V
2	* 12.002	31.33	PK-U	38.9	-19.3	0	50.93	-	-	74	-23.07	-	-	312	200	H
	* 12.004	20.26	ADR	38.9	-19.3	0	39.86	54	-14.14	-	-	-	-	312	200	H
3	* 15.533	31.88	PK-U	40	-17.4	0	54.48	-	-	74	-19.52	-	-	85	102	H
	* 15.532	20.55	ADR	40	-17.4	0	43.15	54	-10.85	-	-	-	-	85	102	H
5	* 12.284	32.07	PK-U	38.9	-19	0	51.97	-	-	74	-22.03	-	-	119	102	V
	* 12.285	20.45	ADR	38.9	-19	0	40.35	54	-13.65	-	-	-	-	119	102	V
6	* 15.713	32.99	PK-U	40.2	-18.9	0	54.29	-	-	74	-19.71	-	-	316	200	V
	* 15.71	21.2	ADR	40.2	-18.9	0	42.5	54	-11.5	-	-	-	-	316	200	V

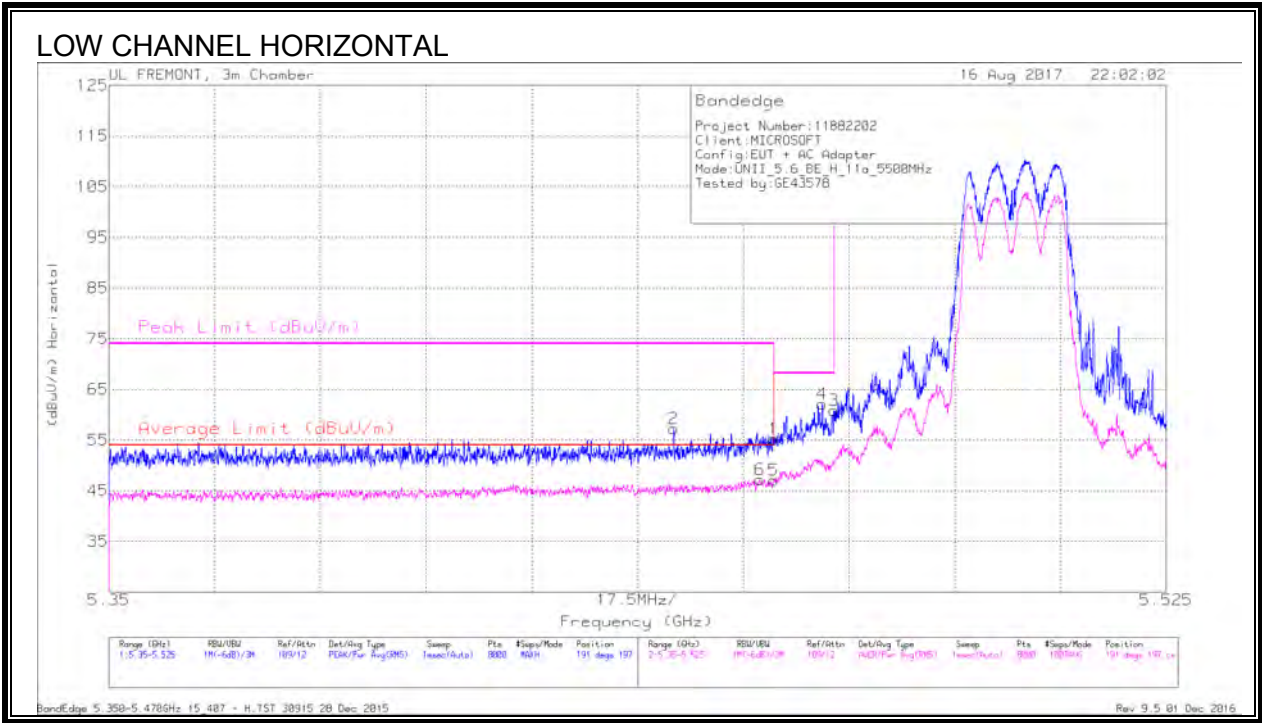
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

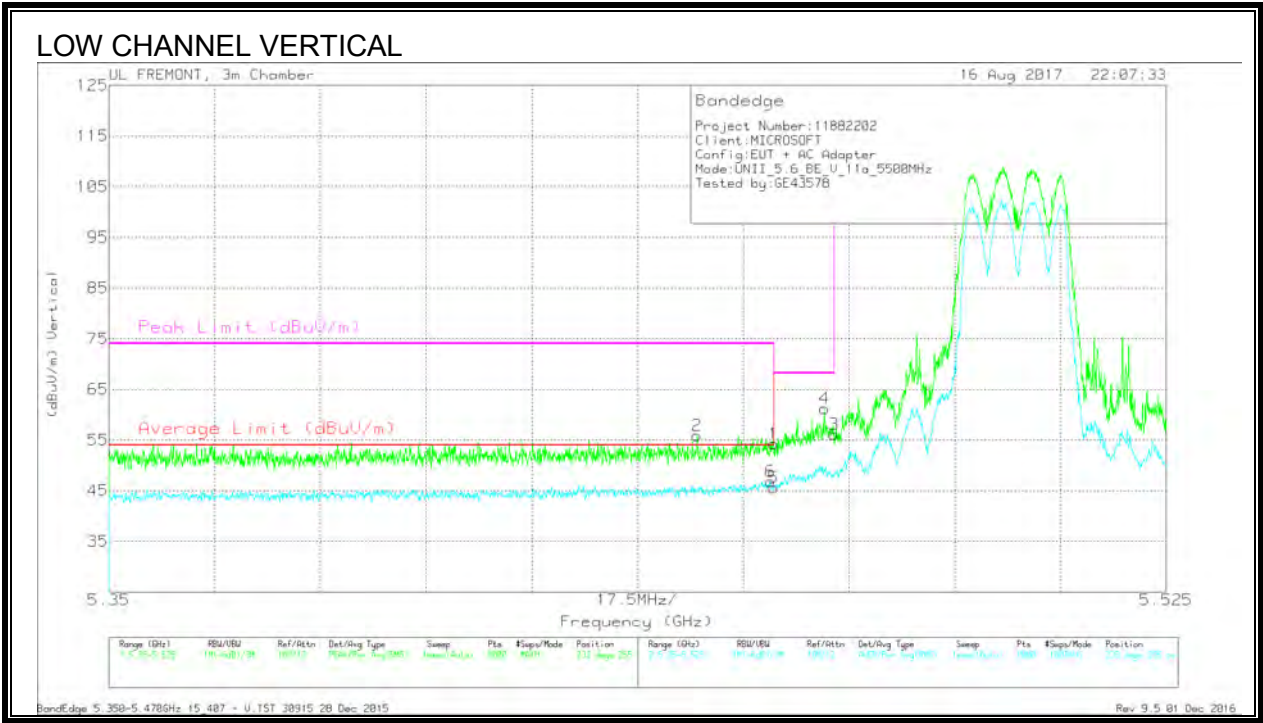
10.1.9. 11a 2TX MODE IN THE 5.6GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)



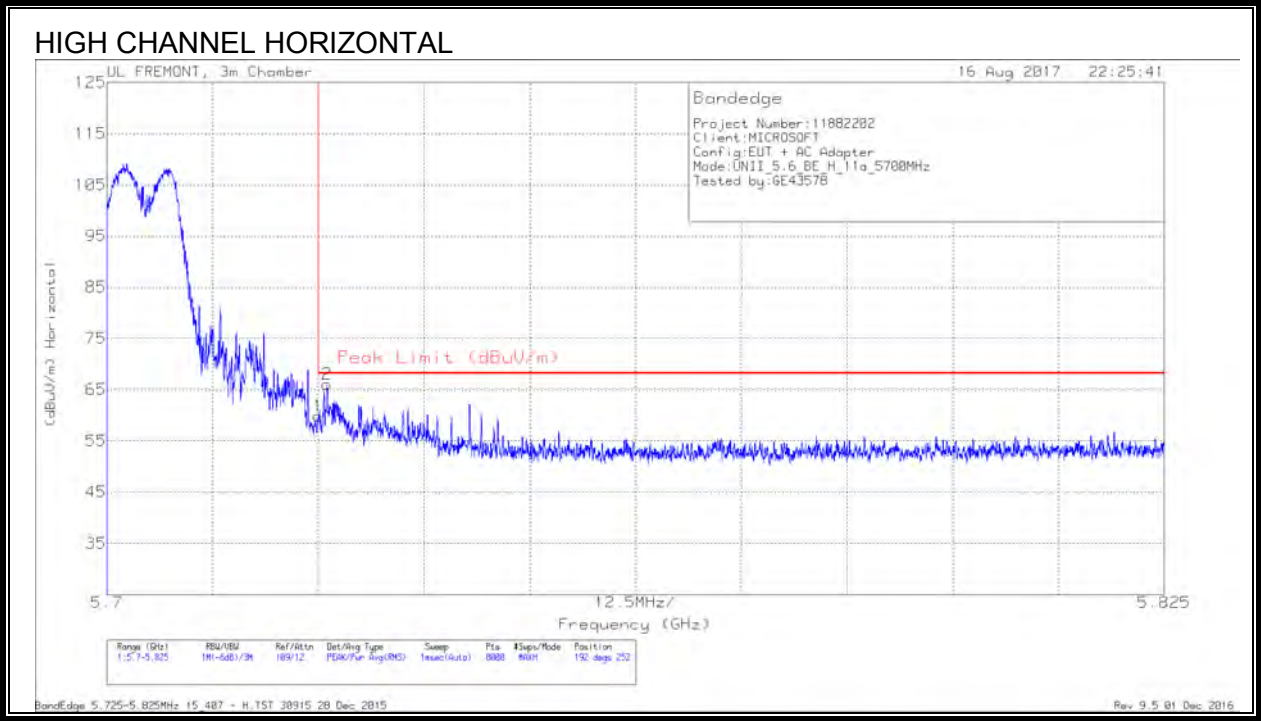
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Ampl/Coil/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.443	41.64	Pk	34.5	-18.9	0	57.24	-	-	74	-16.76	191	197	H
6	5.458	31.46	RMS	34.5	-18.8	0	47.16	54	-6.84	-	-	191	197	H
1	5.46	39.6	Pk	34.5	-18.9	0	55.2	-	-	74	-18.8	191	197	H
5	5.46	31.5	RMS	34.5	-18.9	0	47.1	54	-6.9	-	-	191	197	H
4	5.468	46.33	Pk	34.5	-18.8	0	62.03	-	-	68.2	-6.17	191	197	H
3	5.47	45.2	Pk	34.5	-18.9	0	60.8	-	-	68.2	-7.4	191	197	H

Pk - Peak detector
RMS - RMS detection



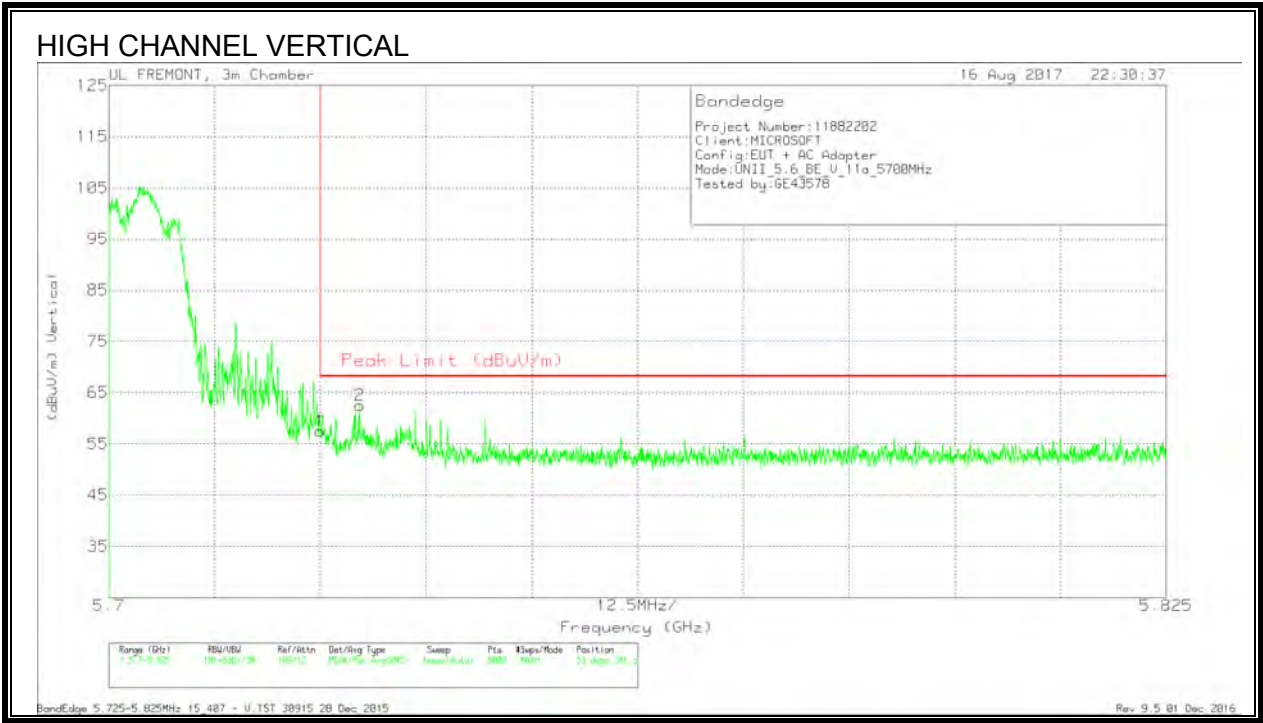
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1712 (dBm)	Amp/Cb/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.447	40.26	Pk	34.5	-18.9	0	55.86	-	-	74	-18.14	233	255	V
6	5.459	31.21	RMS	34.5	-18.9	0	46.81	54	-7.19	-	-	233	255	V
1	5.46	38.71	Pk	34.5	-18.9	0	54.31	-	-	74	-19.69	233	255	V
5	5.46	30.01	RMS	34.5	-18.9	0	45.61	54	-8.39	-	-	233	255	V
4	5.468	45.57	Pk	34.5	-18.8	0	61.27	-	-	68.2	-6.93	233	255	V
3	5.47	40.48	Pk	34.5	-18.9	0	56.08	-	-	68.2	-12.12	233	255	V

Pk - Peak detector
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (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	44	Pk	34.7	-18.9	59.8	68.2	-8.4	192	252	H
2	5.726	50.17	Pk	34.7	-18.8	66.07	68.2	-2.13	192	252	H

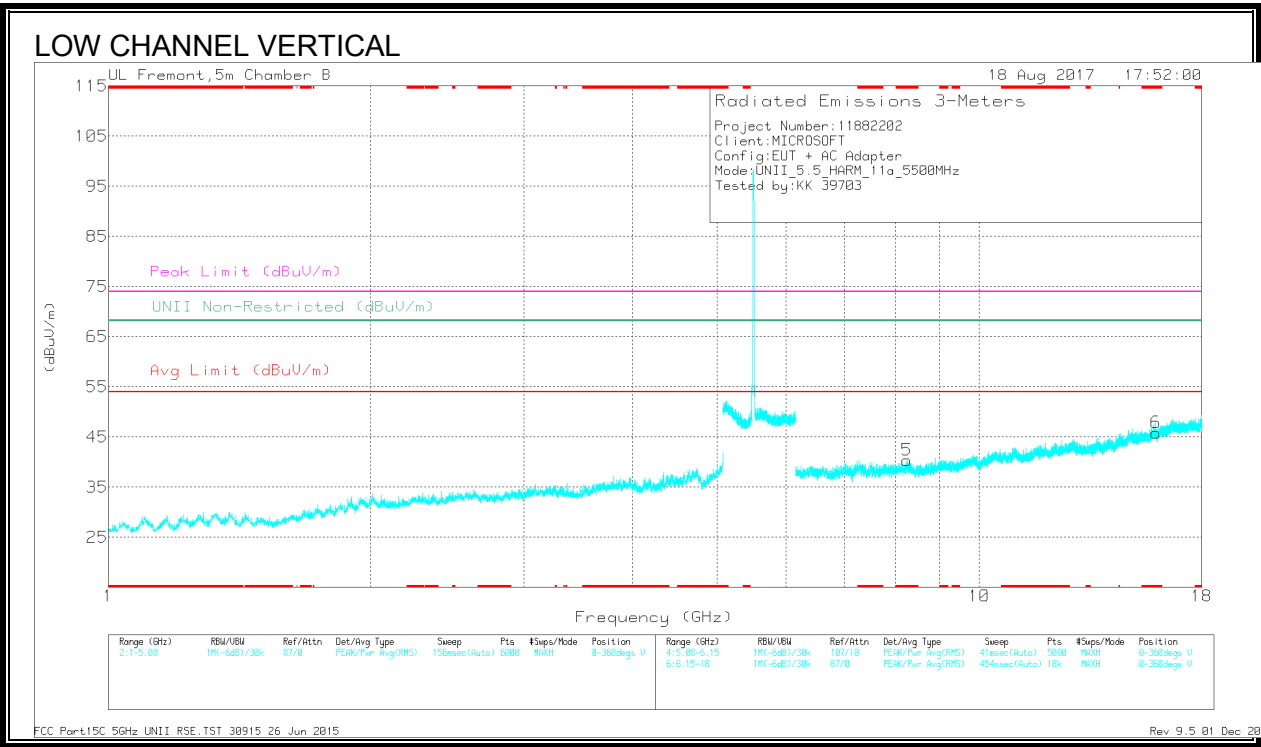
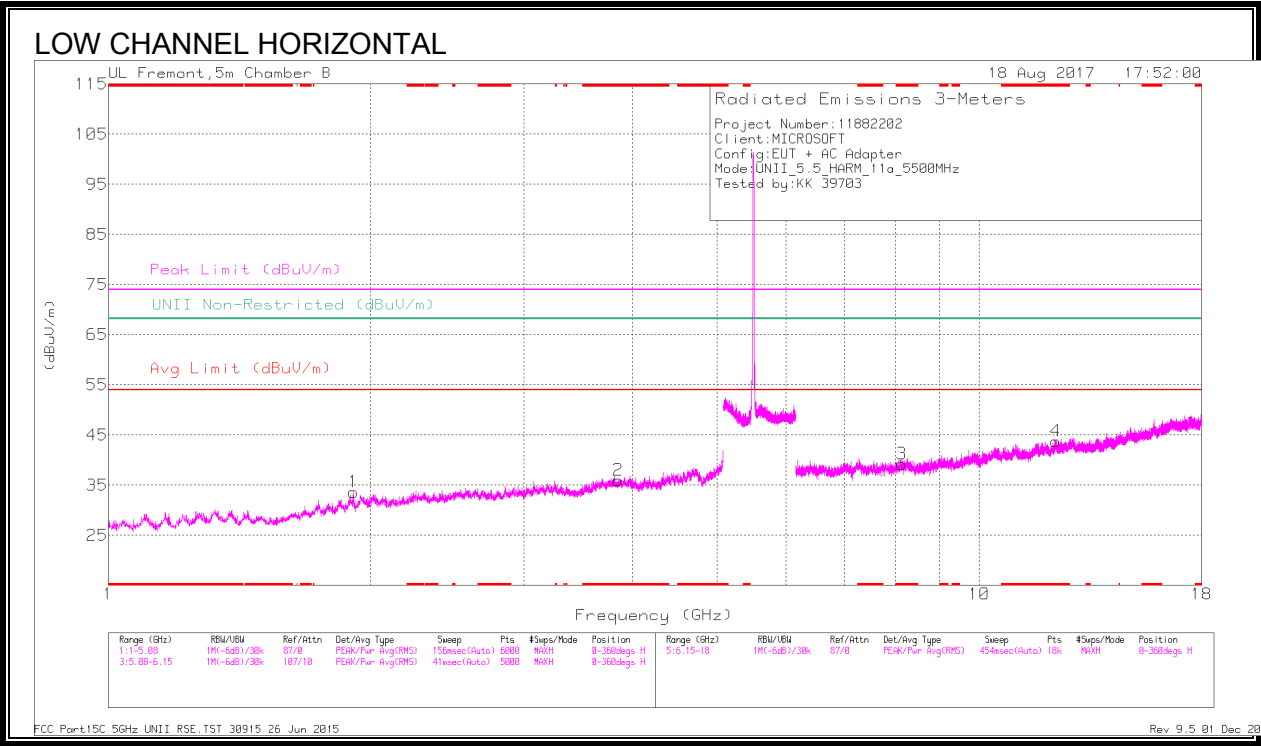
Pk - Peak detector



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	41.69	Pk	34.7	-18.9	57.49	68.2	-10.71	53	241	V
2	5.73	46.69	Pk	34.7	-18.9	62.49	68.2	-5.71	53	241	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

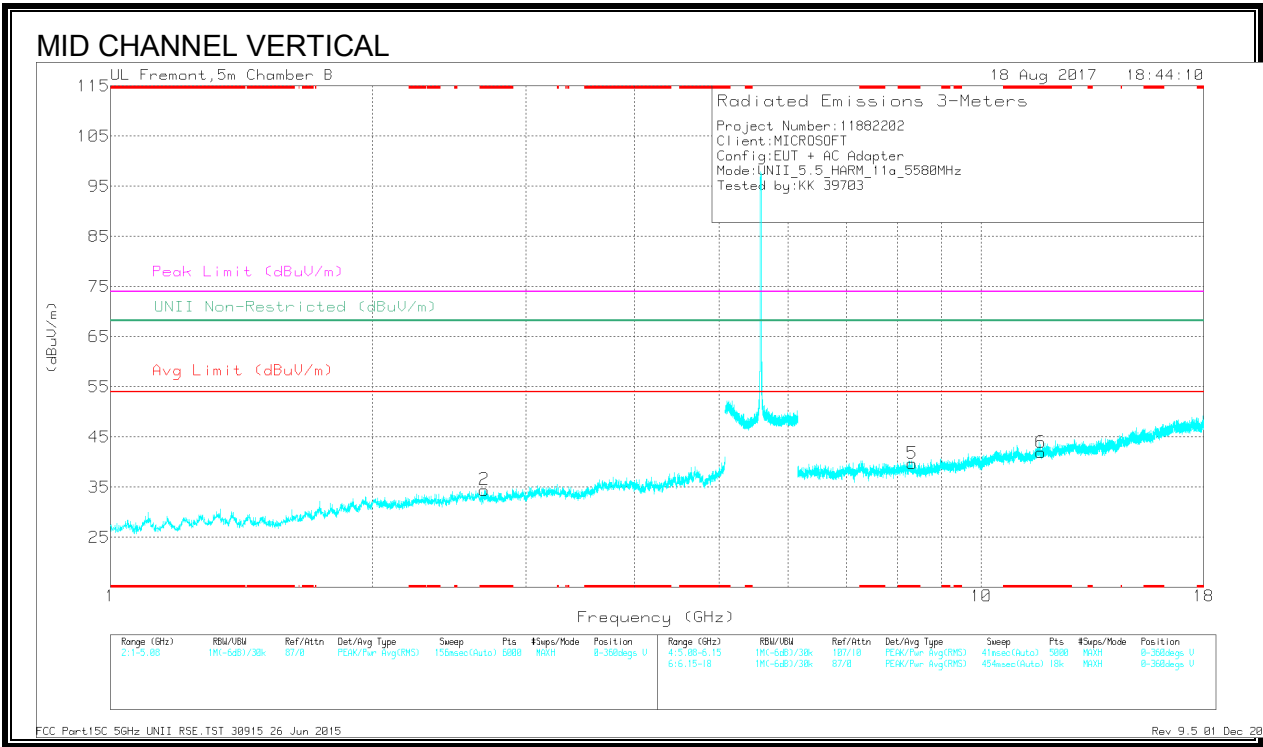
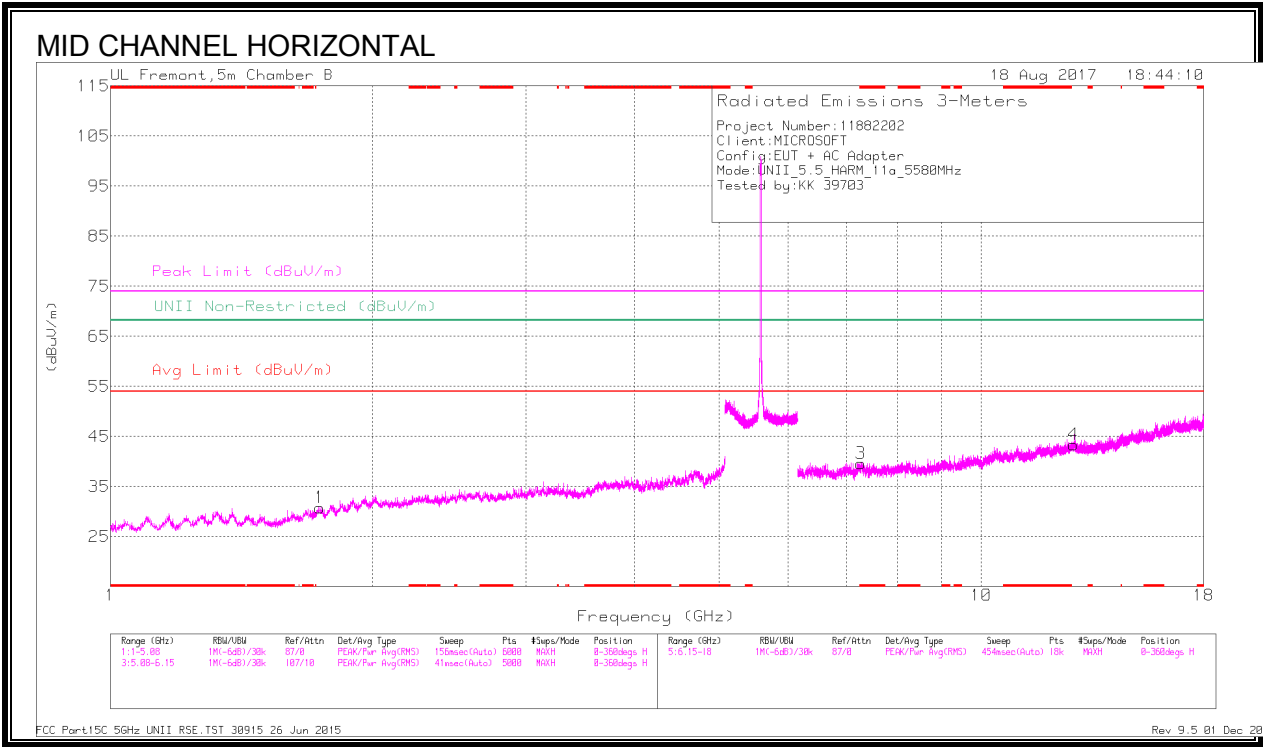


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.846	39.55	PK-U	33.5	-31	0	42.35	-	-	74	-31.65	-	-	359	199	H
	* 3.846	28.61	ADR	33.5	-30.9	0	31.21	54	-22.79	-	-	-	-	359	199	H
3	* 8.142	36.06	PK-U	36	-26.5	0	45.56	-	-	74	-28.44	-	-	202	104	H
	* 8.142	24.64	ADR	36	-26.5	0	34.14	54	-19.86	-	-	-	-	202	104	H
4	* 12.244	32.9	PK-U	39.1	-21.8	0	50.2	-	-	74	-23.8	-	-	38	104	H
	* 12.243	21	ADR	39.1	-21.8	0	38.3	54	-15.7	-	-	-	-	38	104	H
5	* 8.258	36.67	PK-U	36.1	-26	0	46.77	-	-	74	-27.23	-	-	202	104	V
	* 8.26	23.29	ADR	36.1	-25.8	0	35.59	54	-18.41	-	-	-	-	202	104	V
6	* 15.953	31.09	PK-U	41.1	-19.9	0	52.29	-	-	74	-21.71	-	-	307	200	V
	* 15.953	20.33	ADR	41.1	-19.9	0	41.53	54	-12.47	-	-	-	-	307	200	V
1	1.911	39.63	PK-U	31	-32.4	0	38.23	-	-	-	-	68.2	-29.97	337	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

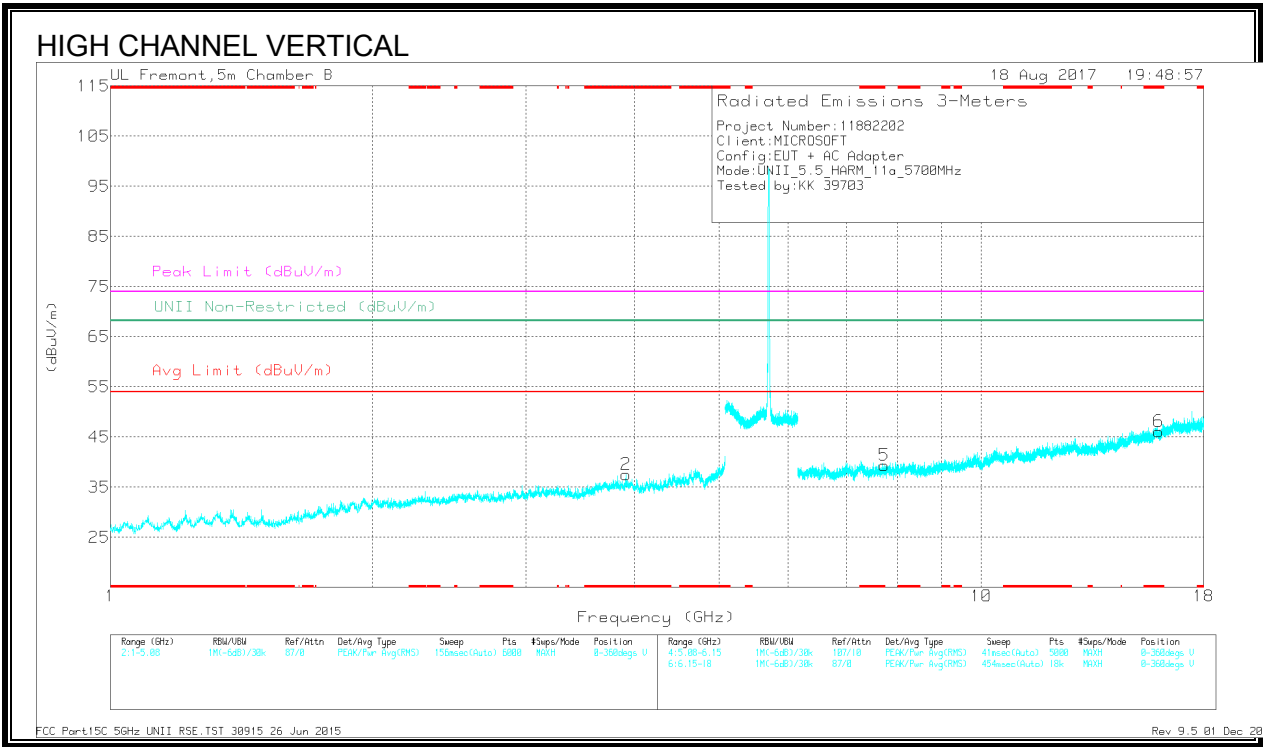
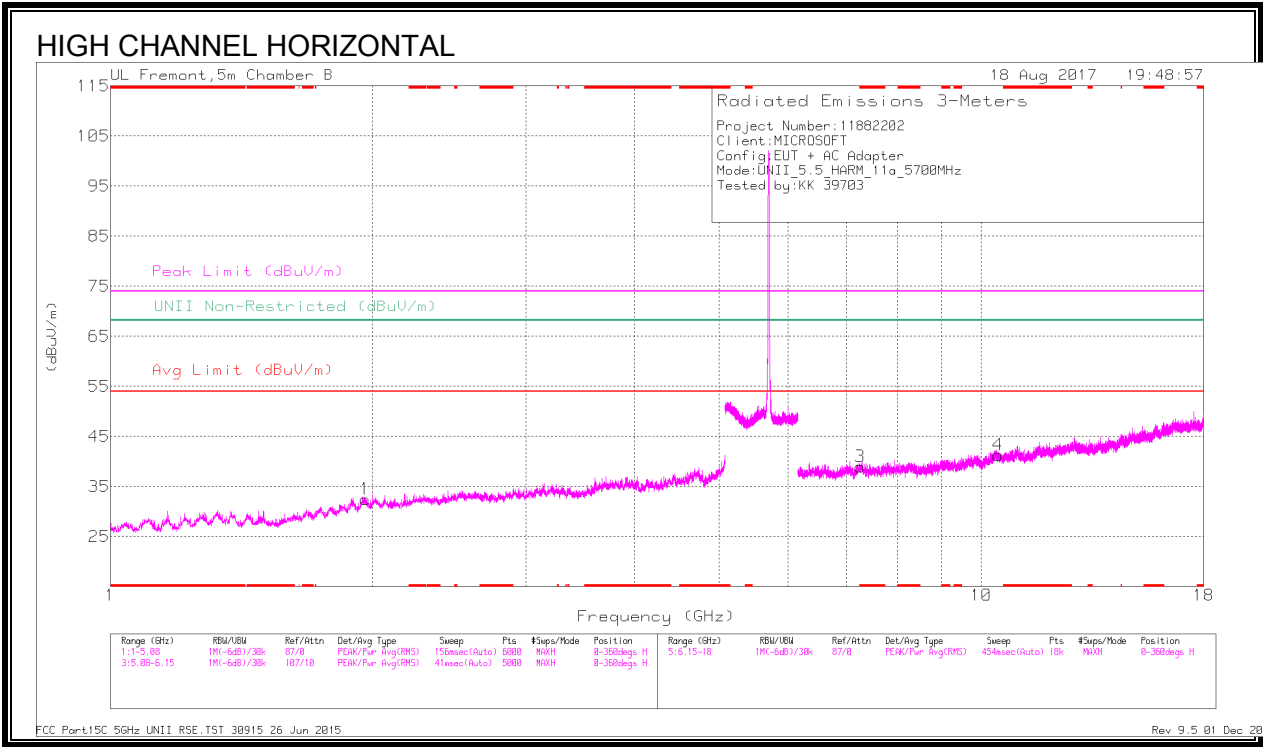


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 2.689	39.97	PK-U	32.4	-31.9	0	40.47	-	-	74	-33.53	-	-	135	200	V
	* 2.689	28.43	ADR	32.4	-31.9	0	28.93	54	-25.07	-	-	-	-	135	200	V
3	* 7.27	35.31	PK-U	35.8	-25.5	0	45.61	-	-	74	-28.39	-	-	353	200	H
	* 7.271	24.71	ADR	35.8	-25.5	0	35.01	54	-18.99	-	-	-	-	353	200	H
6	* 11.705	33.16	PK-U	38.4	-22.9	0	48.66	-	-	74	-25.34	-	-	271	200	V
	* 11.707	22.17	ADR	38.4	-23	0	37.57	54	-16.43	-	-	-	-	271	200	V
5	* 8.328	35.96	PK-U	36.1	-26.2	0	45.86	-	-	74	-28.14	-	-	299	200	V
	* 8.327	24.91	ADR	36.1	-26.2	0	34.81	54	-19.19	-	-	-	-	299	200	V
1	1.739	41.08	PK-U	29.5	-32.7	0	37.88	-	-	-	-	68.2	-30.32	135	101	H
4	12.758	32.5	PK-U	39.4	-21.9	0	50	-	-	-	-	68.2	-18.2	353	200	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



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1863 (dBm)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (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
2	* 3.905	40.48	PK-U	33.5	-30.2	0	43.78	-	-	74	-30.22	-	-	269	101	V
	* 3.906	28.71	ADR	33.5	-30.3	0	31.91	54	-22.09	74	-	-	-	269	101	V
3	* 7.263	35.64	PK-U	35.8	-25.4	0	46.04	-	-	-	-27.96	-	-	324	101	H
	* 7.262	24.2	ADR	35.8	-25.5	0	34.5	54	-19.5	-	-	-	-	324	101	H
5	* 7.74	36.51	PK-U	36	-26	0	46.51	-	-	74	-27.49	-	-	230	101	V
	* 7.741	24.95	ADR	36	-26	0	34.95	54	-19.05	-	-	-	-	230	101	V
6	* 15.978	31.48	PK-U	41.1	-19.6	0	52.98	-	-	74	-21.02	-	-	317	101	V
	* 15.98	20.42	ADR	41.1	-19.6	0	41.92	54	-12.08	-	-	-	-	317	101	V
1	1.902	40.5	PK-U	32.5	-31.2	0	41.8	-	-	-	-	68.2	-26.4	307	100	H
4	10.454	33.9	PK-U	37.5	-22.7	0	48.7	-	-	-	-	68.2	-19.5	324	101	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