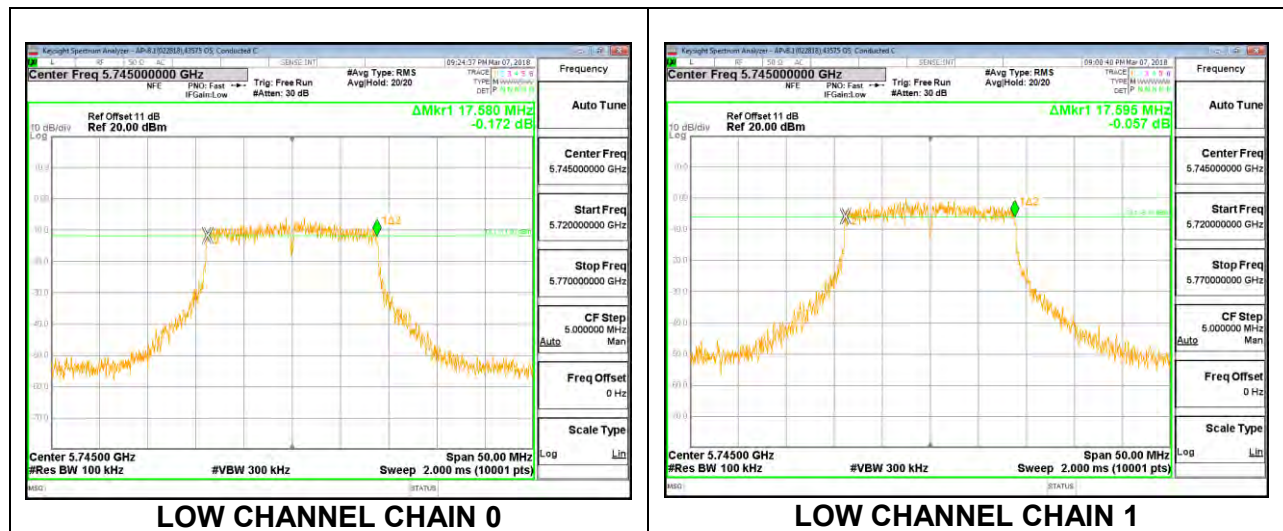


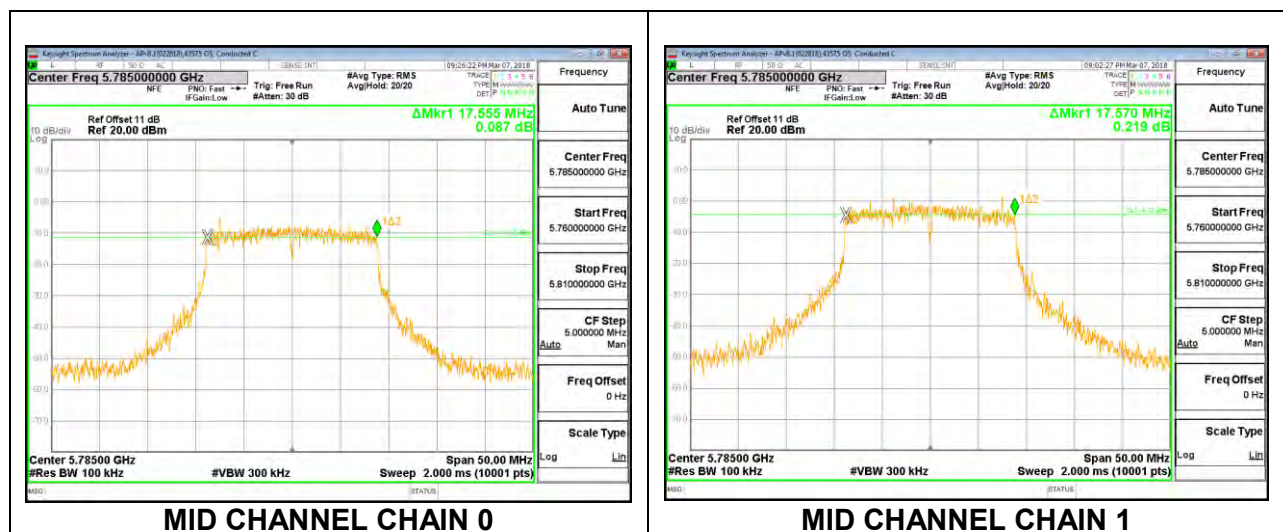
8.4.2. 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5745	17.580	17.595	0.5
Mid	5785	17.555	17.570	0.5
High	5825	17.625	17.570	0.5
144	5720	3.885	3.875	0.5

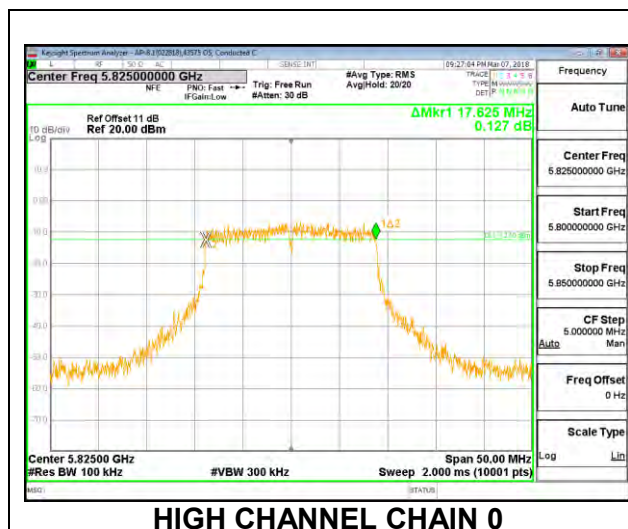
LOW CHANNEL



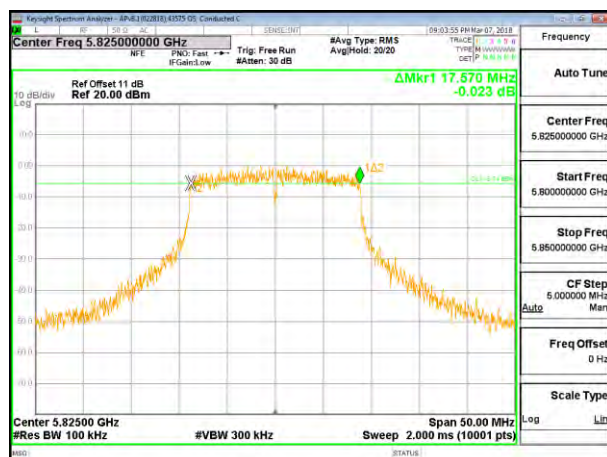
MID CHANNEL



HIGH CHANNEL

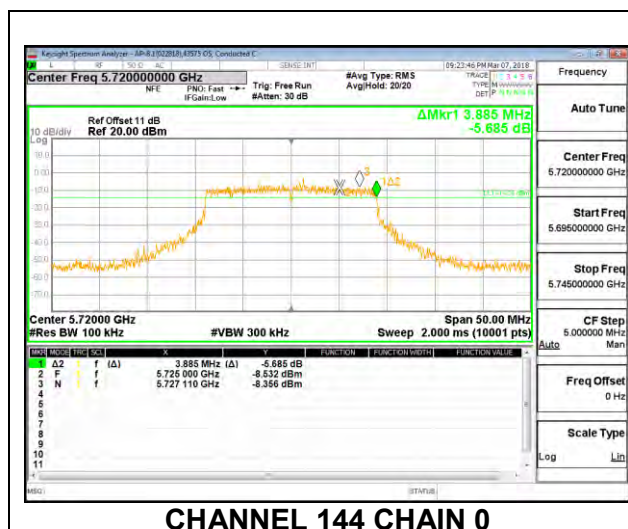


HIGH CHANNEL CHAIN 0

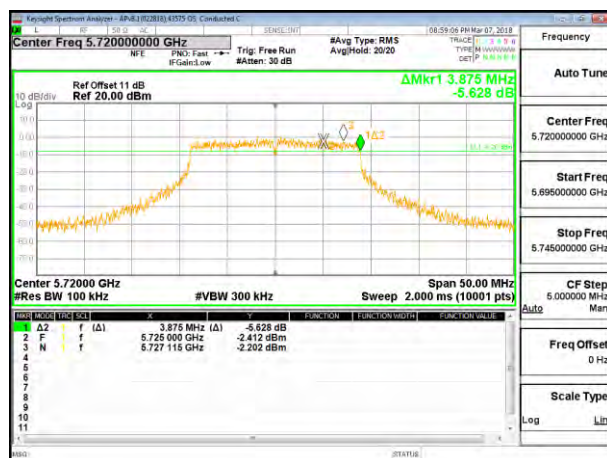


HIGH CHANNEL CHAIN 1

CHANNEL 144



CHANNEL 144 CHAIN 0

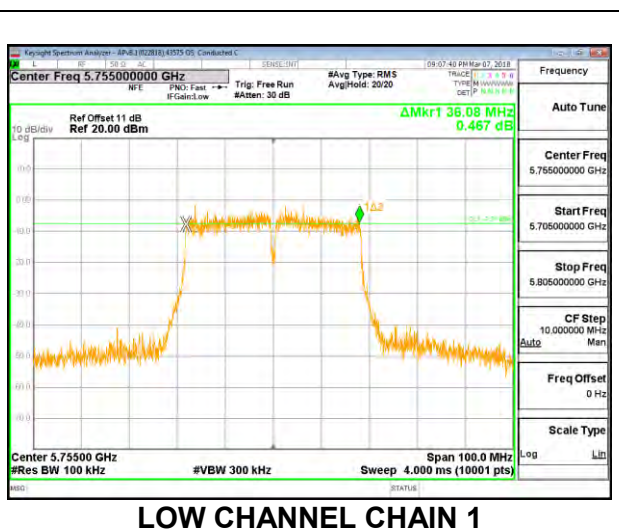
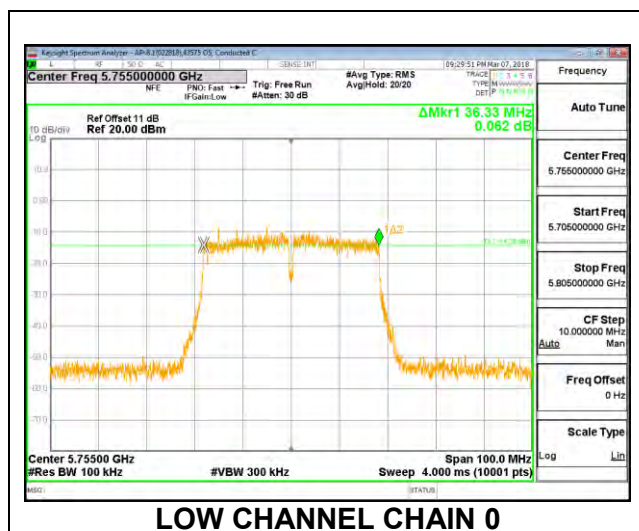


CHANNEL 144 CHAIN 1

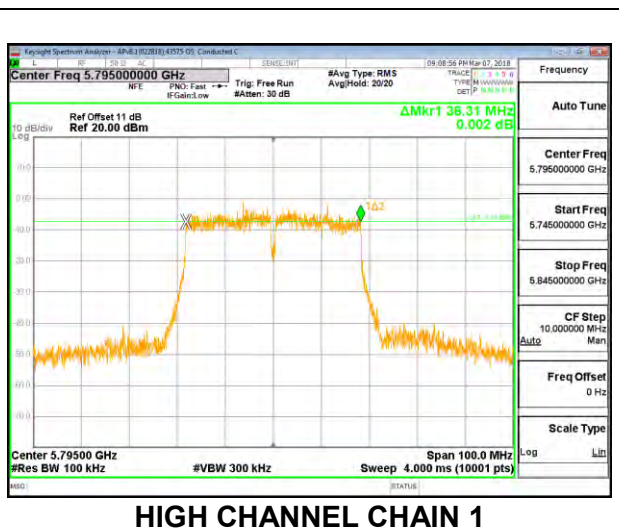
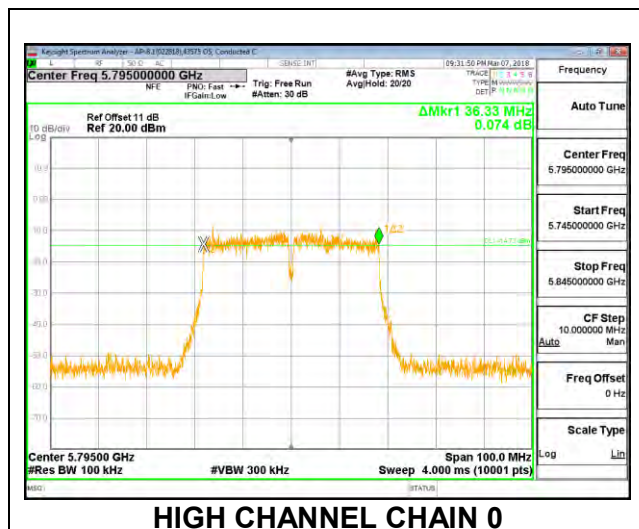
8.4.3. 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Low	5755	36.33	36.08	0.5
High	5795	36.33	36.31	0.5
142	5710	3.20	3.25	0.5

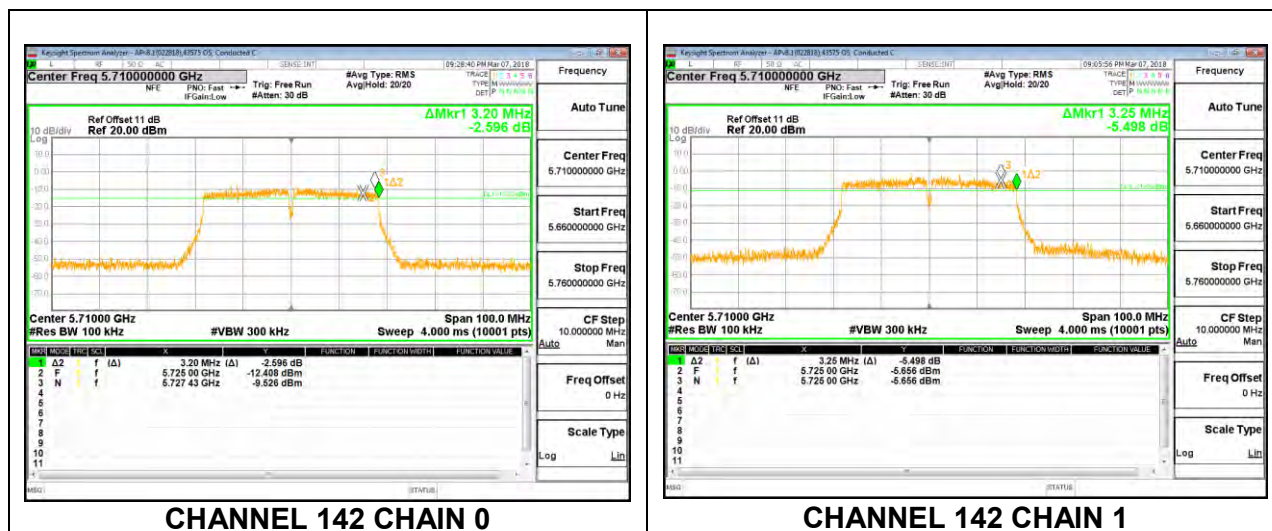
LOW CHANNEL



HIGH CHANNEL



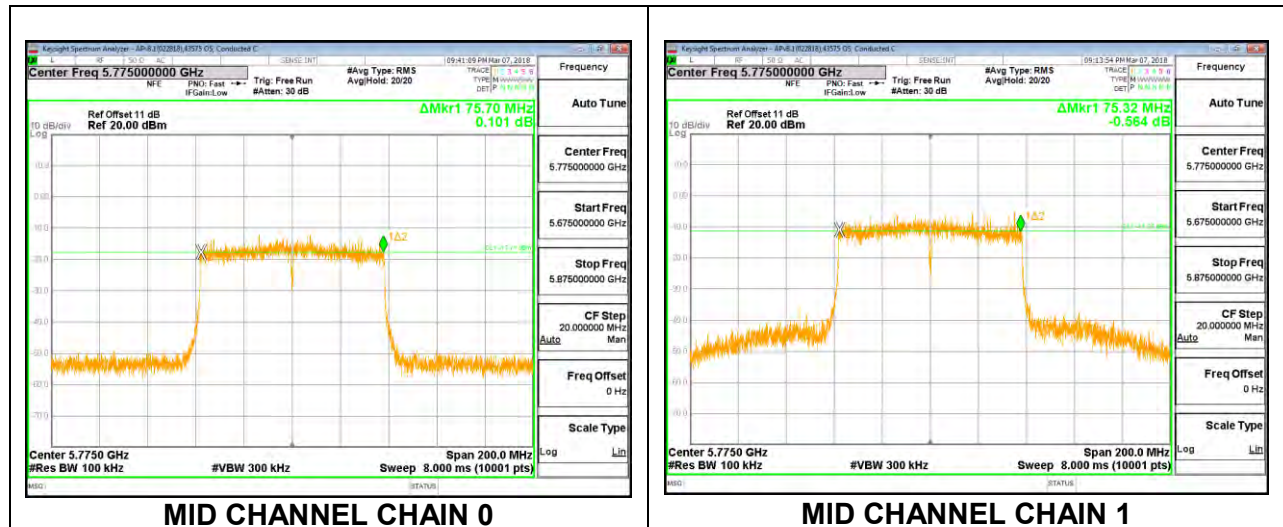
CHANNEL 142



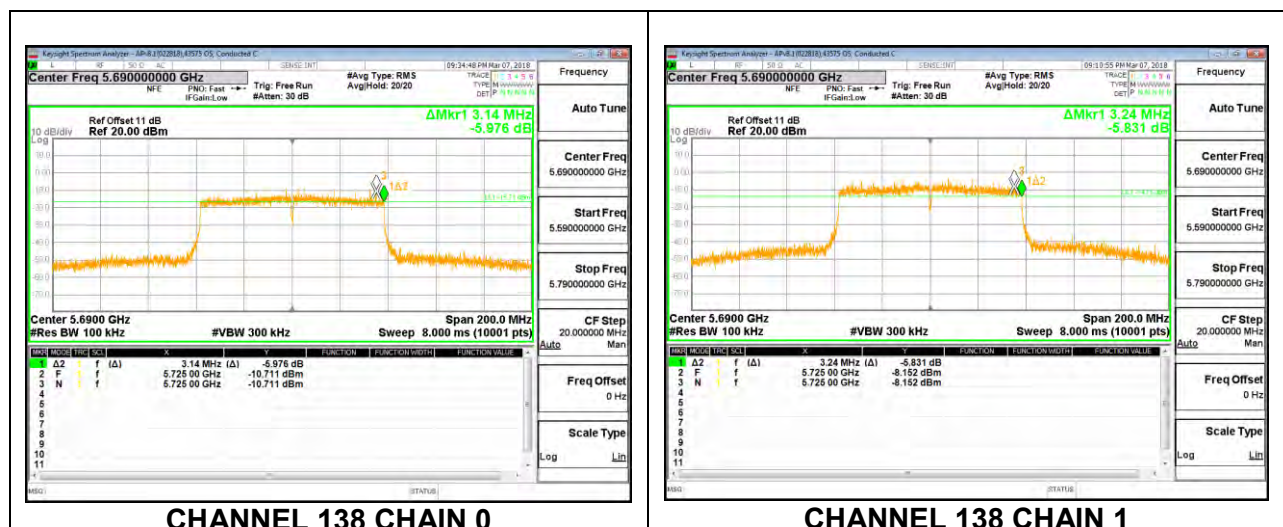
8.4.4. 802.11ac VHT80 2TX CDD MODE IN THE 5.8 GHz BAND

Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
Mid	5775	75.70	75.32	0.5
138	5690	3.14	3.24	0.5

MID CHANNEL



CHANNEL 138



8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(ii)(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz 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.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz 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.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands 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 megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz 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.

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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used. The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

DIRECTIONAL ANTENNA GAIN

For 2 TX:

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:

Band (GHz)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-4.11	-5.64	-4.81	-1.83
5.3	-4.11	-5.64	-4.81	-1.83
5.6	-0.10	-2.93	-1.29	1.61
5.8	0.19	-5.16	-1.71	0.93

RESULTS

8.5.1. 802.11a 2TX CDD MODE IN THE 5.2 GHZ BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	16.482	-4.81	-1.83
Mid	5200	16.488	-4.81	-1.83
High	5240	16.538	-4.81	-1.83

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED eirp PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5180	24.00	22.17	26.98	24.00	11.00	10.00	11.00
Mid	5200	24.00	22.17	26.98	24.00	11.00	10.00	11.00
High	5240	24.00	22.18	26.99	24.00	11.00	10.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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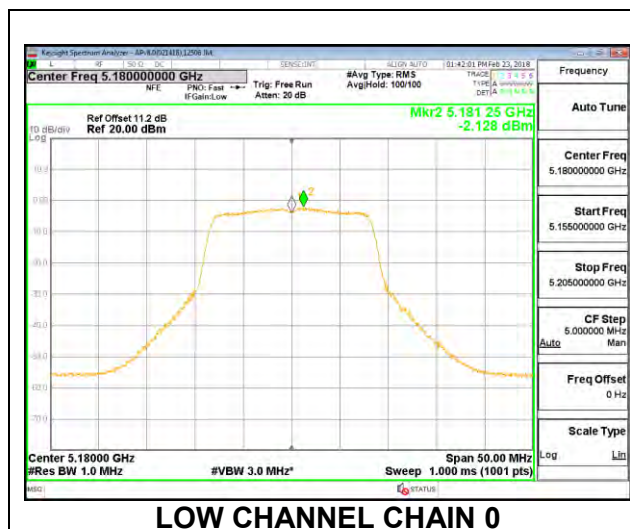
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.65	13.63	14.83	24.00	-9.17
Mid	5200	8.52	13.34	14.58	24.00	-9.42
High	5240	8.77	13.23	14.56	24.00	-9.44

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5180	-2.128	3.038	4.19	11.00	-6.81
Mid	5200	-1.455	2.950	4.29	11.00	-6.71
High	5240	-1.493	2.600	4.03	11.00	-6.97

LOW CHANNEL

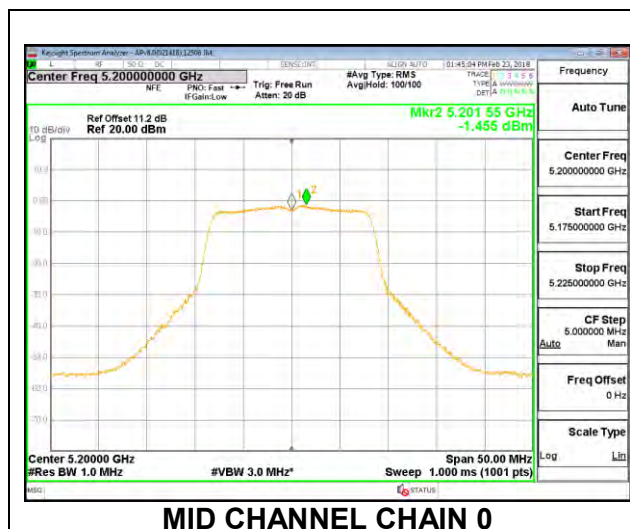


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

MID CHANNEL

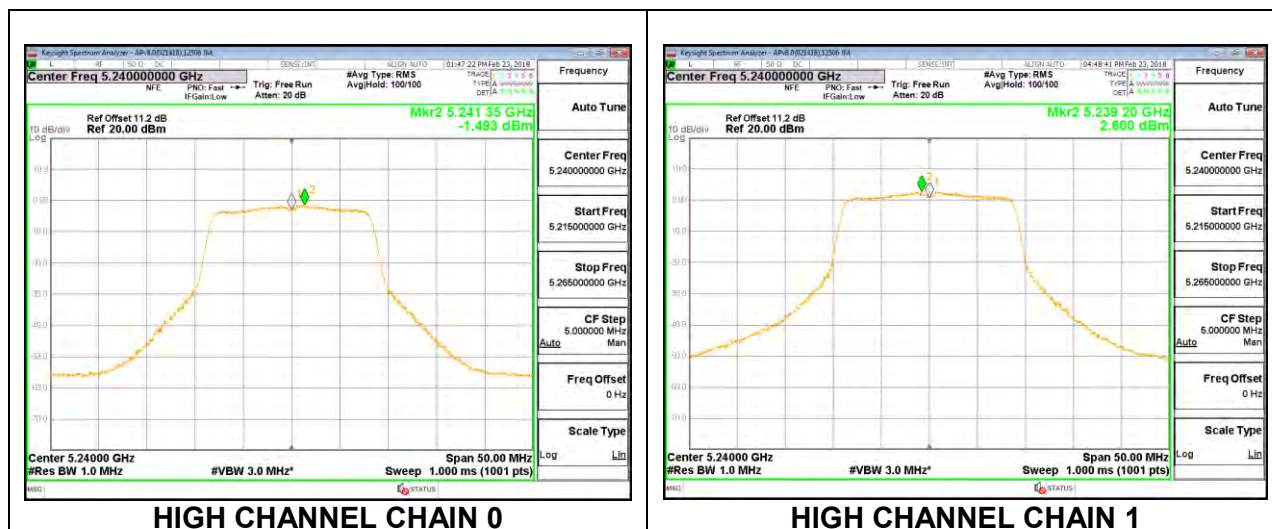


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.2. 802.11n HT20 2TX CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	17.695	-4.81	-1.83
Mid	5200	17.705	-4.81	-1.83
High	5240	17.687	-4.81	-1.83

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.48	27.29	24.00	11.00	10.00	11.00
Mid	5200	24.00	22.48	27.29	24.00	11.00	10.00	11.00
High	5240	24.00	22.48	27.29	24.00	11.00	10.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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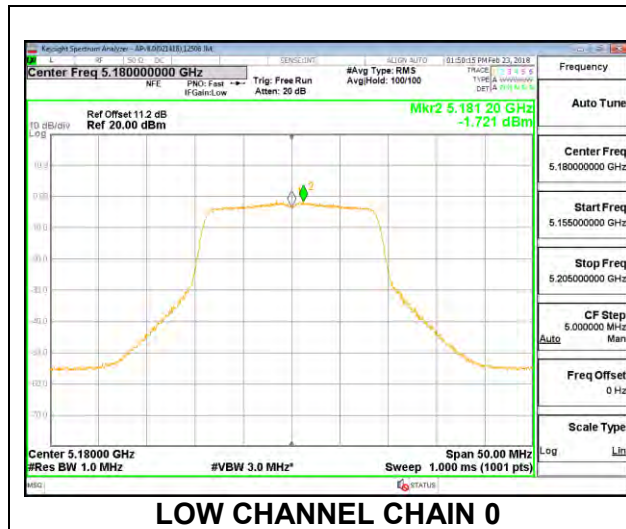
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.68	13.61	14.82	24.00	-9.18
Mid	5200	8.62	13.46	14.69	24.00	-9.31
High	5240	8.63	13.17	14.48	24.00	-9.52

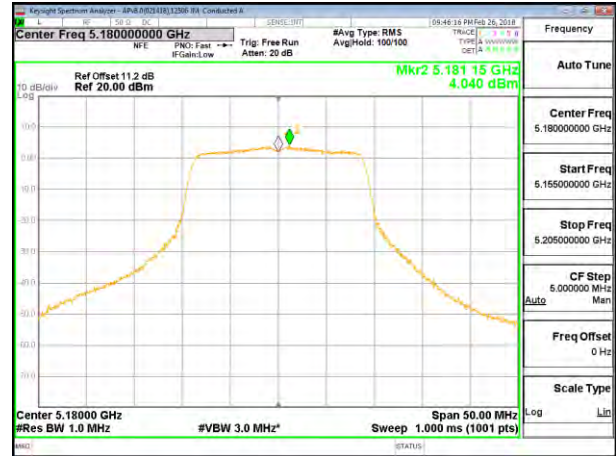
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	-1.721	4.040	5.06	11.00	-5.94
Mid	5200	-1.683	3.534	4.68	11.00	-6.32
High	5240	-1.820	3.364	4.51	11.00	-6.49

LOW CHANNEL

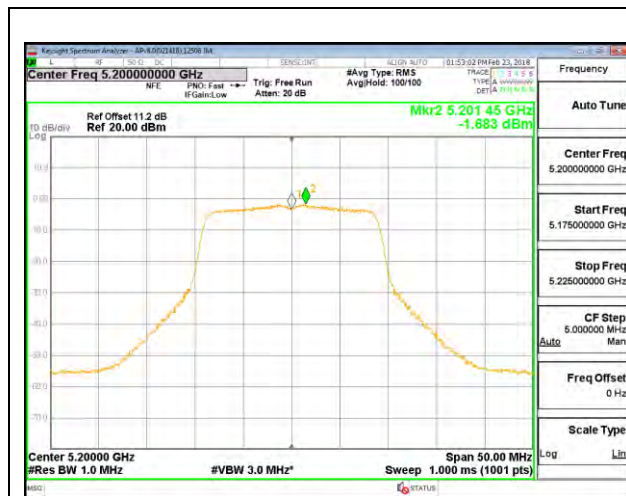


LOW CHANNEL CHAIN 0

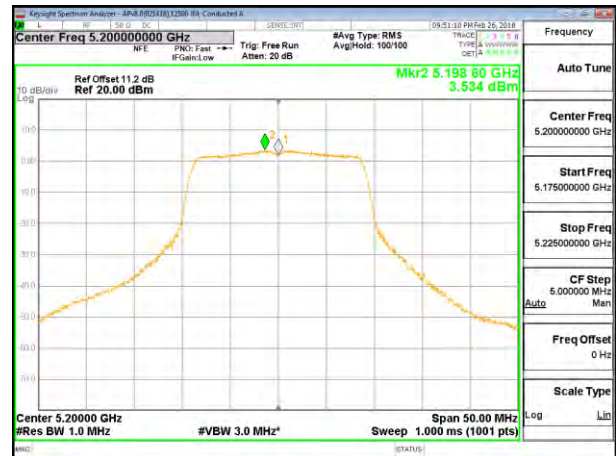


LOW CHANNEL CHAIN 1

MID CHANNEL

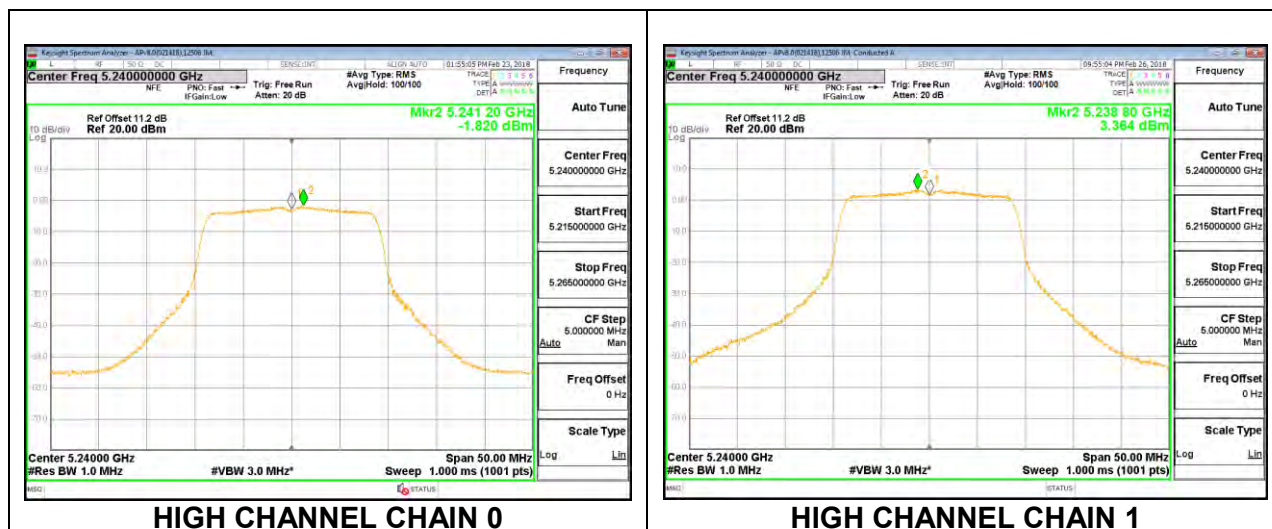


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.3. 802.11n HT40 2TX CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	36.373	-4.81	-1.83
High	5230	36.222	-4.81	-1.83

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	27.81	24.00	11.00	10.00	11.00
High	5230	24.00	23.00	27.81	24.00	11.00	10.00	11.00

Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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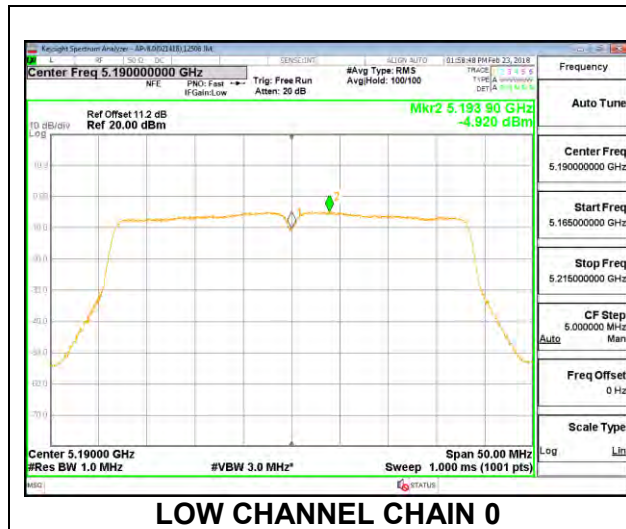
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	8.65	13.41	14.66	24.00	-9.34
High	5230	8.55	13.02	14.35	24.00	-9.65

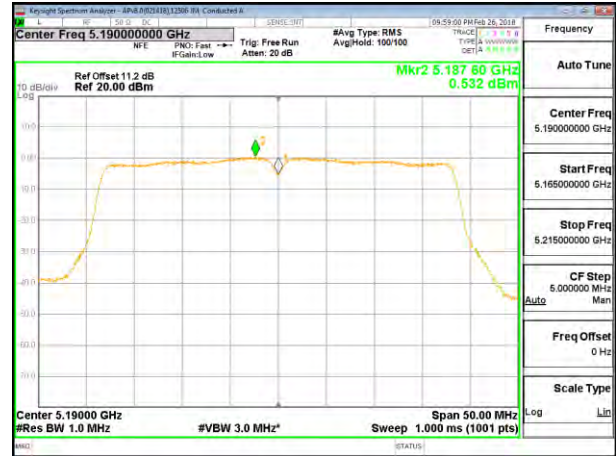
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-4.920	0.532	1.88	11.00	-9.12
High	5230	-4.723	0.007	1.53	11.00	-9.47

LOW CHANNEL

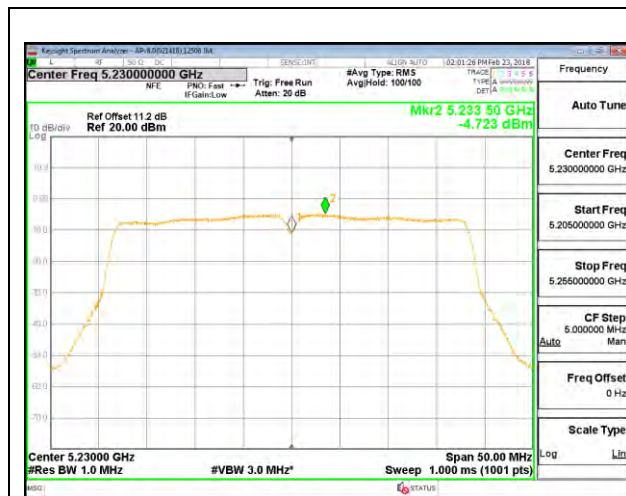


LOW CHANNEL CHAIN 0

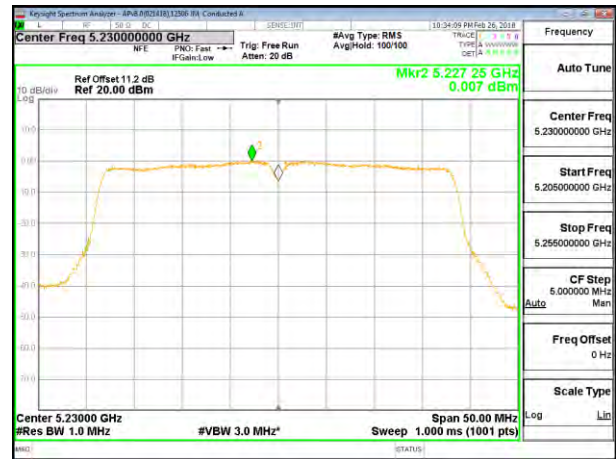


LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.4. 802.11ac VHT80 2TX CDD MODE IN THE 5.2 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5210	75.816	-4.81	-1.83

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	24.00	23.00	27.81	24.00	11.00	10.00	11.00

Duty Cycle CF (dB)	0.52	Included in Calculations of Corr'd PSD
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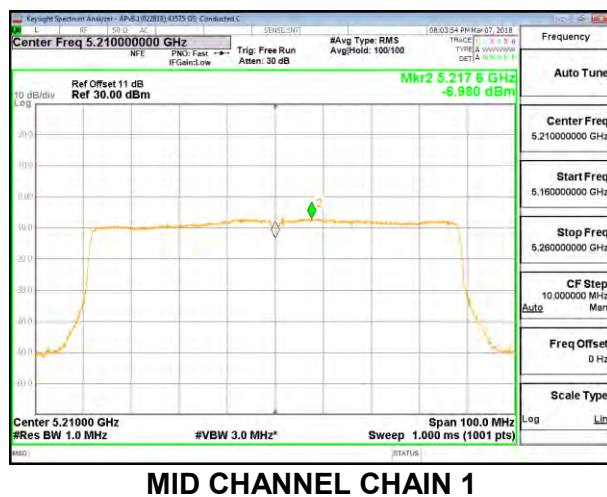
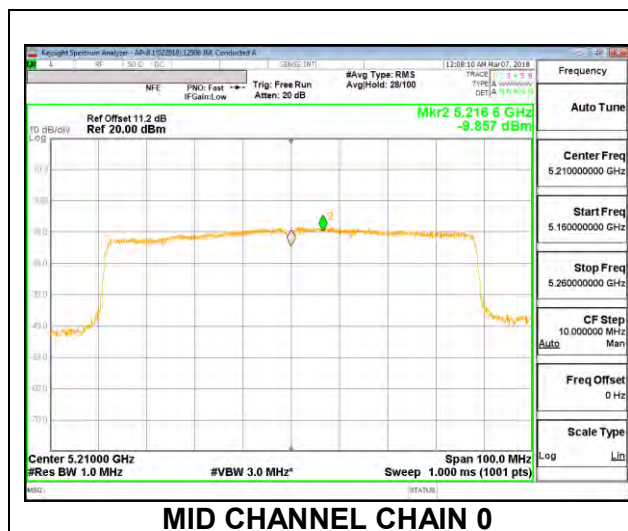
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	8.33	10.02	12.27	24.00	-11.73

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-9.857	-6.980	-4.65	11.00	-15.65

MID CHANNEL



8.5.5. 802.11a 2TX CDD MODE IN THE 5.3 GHz BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	21.50	-4.81	-1.83	24.00	11.00
Mid	5300	21.35	-4.81	-1.83	24.00	11.00
High	5320	21.25	-4.81	-1.83	24.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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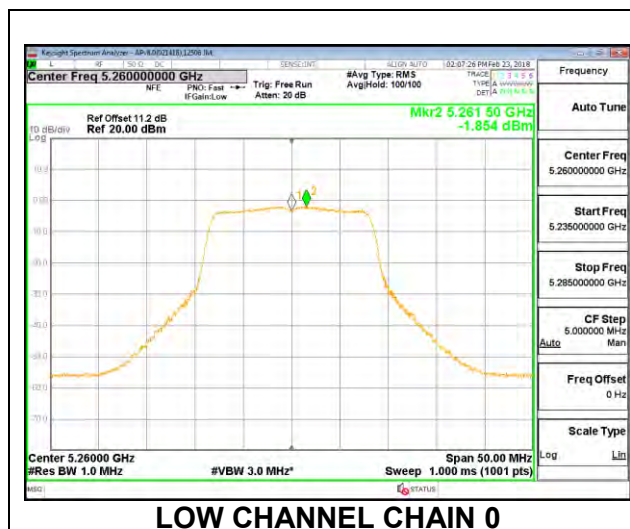
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	8.68	13.12	14.45	24.00	-9.55
Mid	5300	8.44	13.33	14.55	24.00	-9.45
High	5320	8.42	13.17	14.42	24.00	-9.58

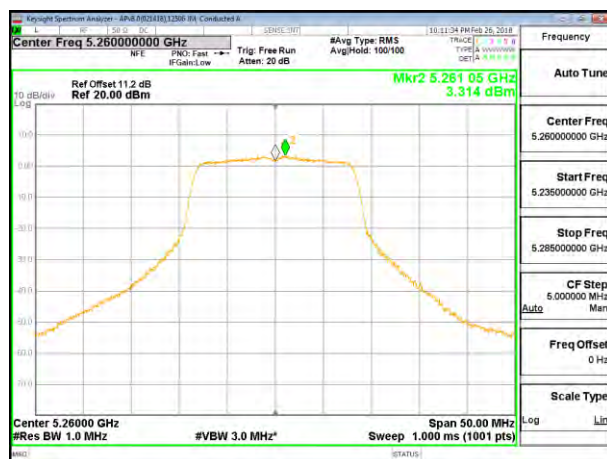
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-1.854	3.314	4.47	11.00	-6.53
Mid	5300	-2.078	3.018	4.19	11.00	-6.81
High	5320	-2.125	3.189	4.31	11.00	-6.69

LOW CHANNEL

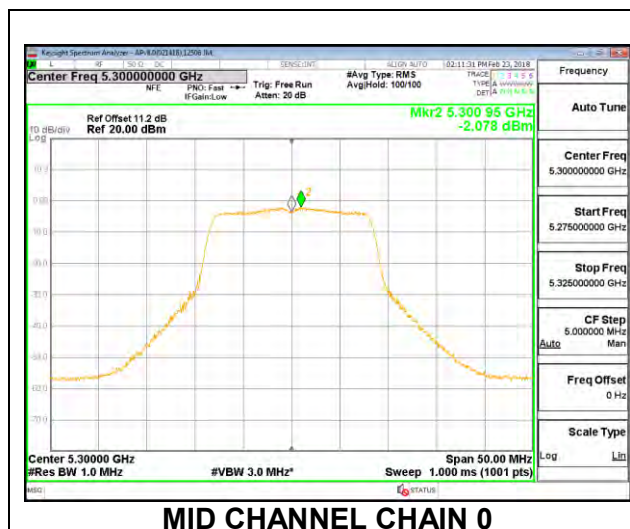


LOW CHANNEL CHAIN 0

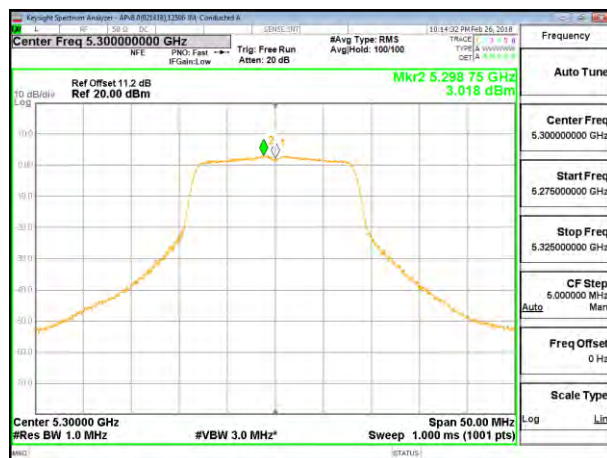


LOW CHANNEL CHAIN 1

MID CHANNEL

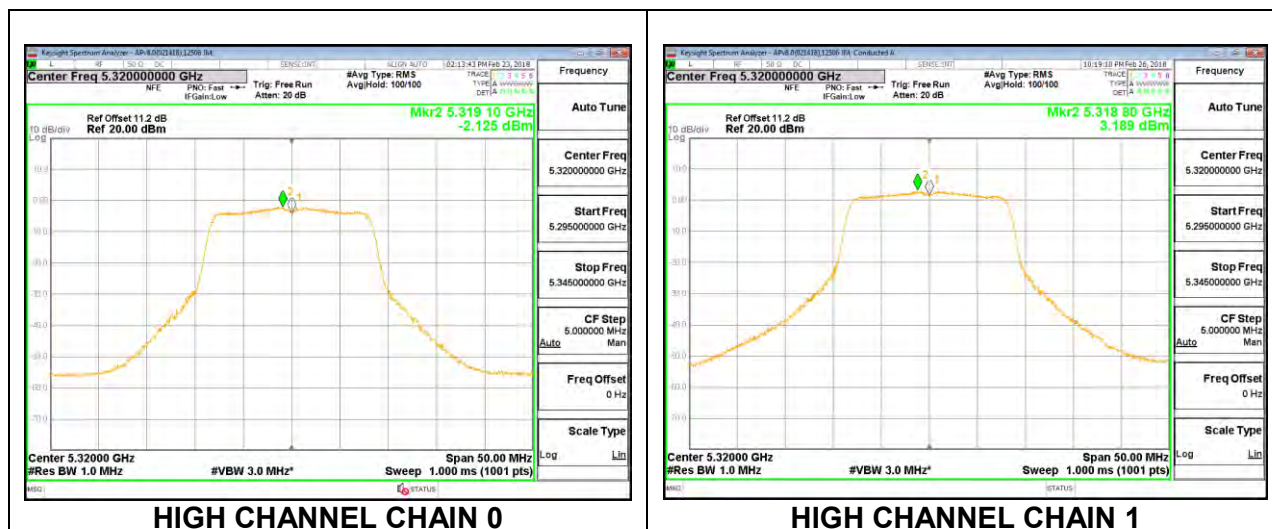


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.6. 802.11n HT20 2TX CDD MODE IN THE 5.3 GHz BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5260	22.25	-4.81	-1.83	24.00	11.00
Mid	5300	22.70	-4.81	-1.83	24.00	11.00
High	5320	22.20	-4.81	-1.83	24.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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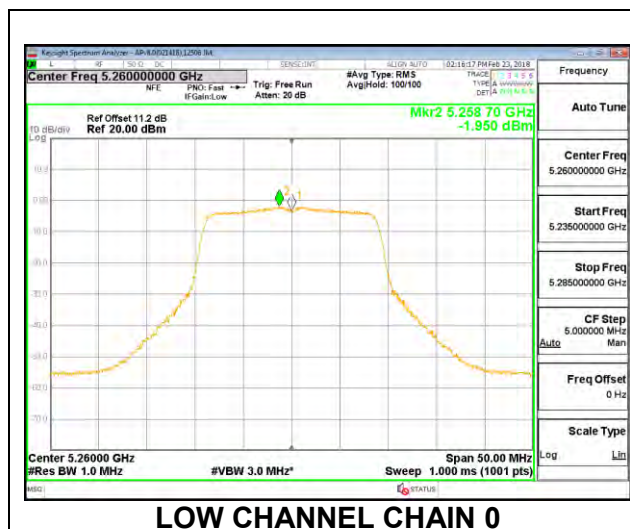
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5260	8.61	13.77	14.93	24.00	-9.07
Mid	5300	8.31	13.38	14.56	24.00	-9.44
High	5320	8.37	13.79	14.89	24.00	-9.11

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5260	-1.950	3.501	4.59	11.00	-6.41
Mid	5300	-2.371	2.731	3.90	11.00	-7.10
High	5320	-2.528	3.252	4.27	11.00	-6.73

LOW CHANNEL

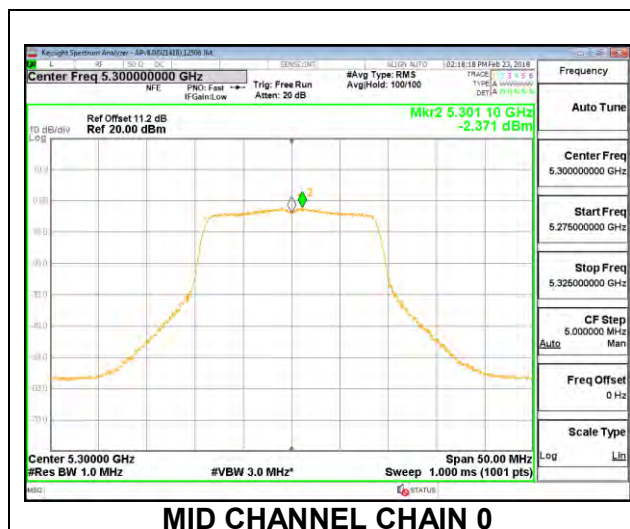


LOW CHANNEL CHAIN 0

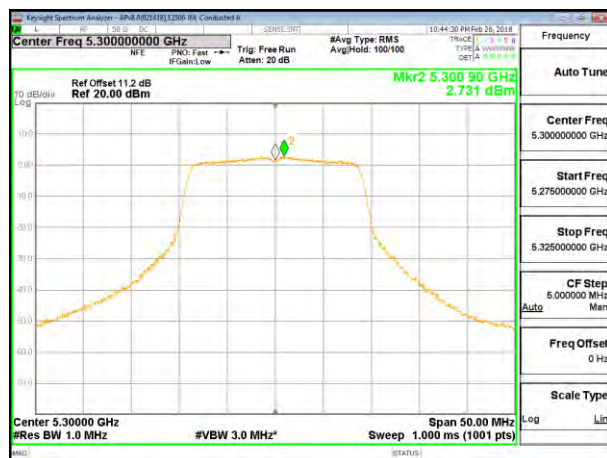


LOW CHANNEL CHAIN 1

MID CHANNEL

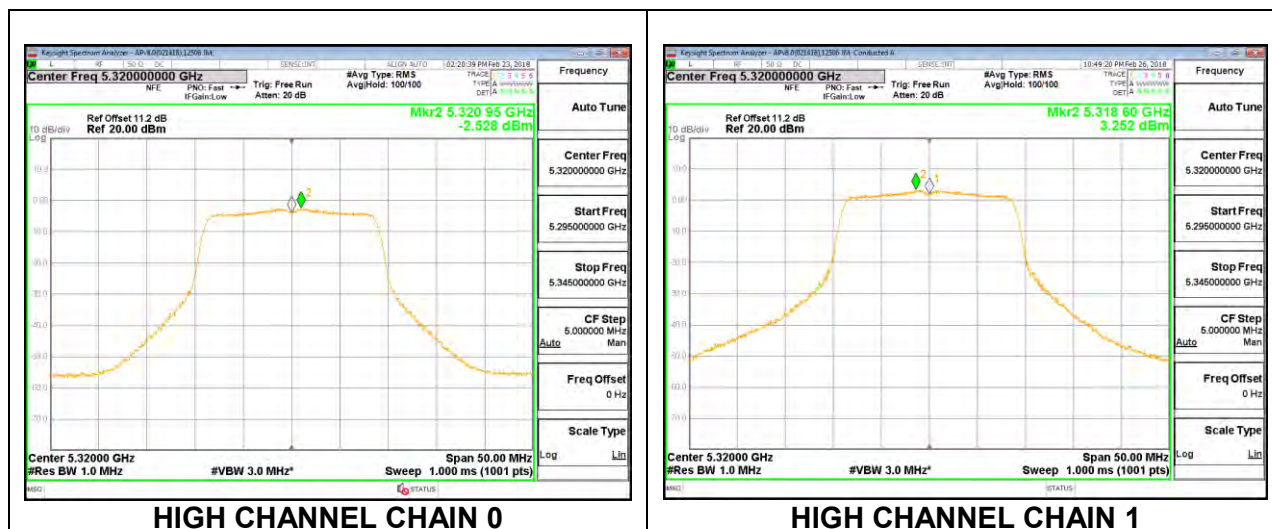


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.7. 802.11n HT40 2TX CDD MODE IN THE 5.3 GHz BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low	5270	41.10	-4.81	-1.83	24.00	11.00
High	5310	41.20	-4.81	-1.83	24.00	11.00

Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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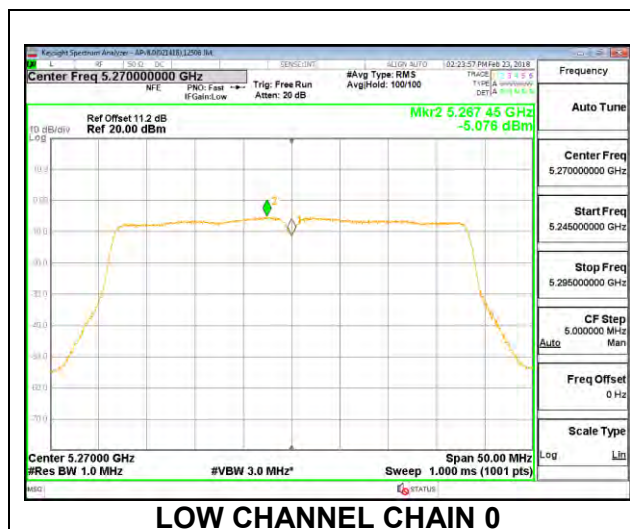
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5270	8.56	13.35	14.59	24.00	-9.41
High	5310	9.12	10.33	12.78	24.00	-11.22

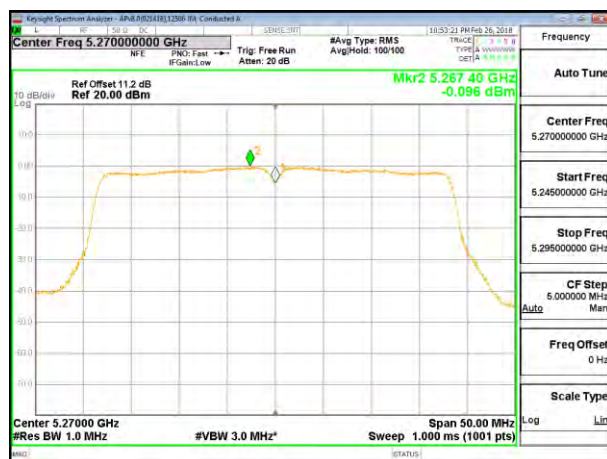
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low	5270	-5.076	-0.096	1.36	11.00	-9.64
High	5310	-4.528	-3.341	-0.62	11.00	-11.62

LOW CHANNEL

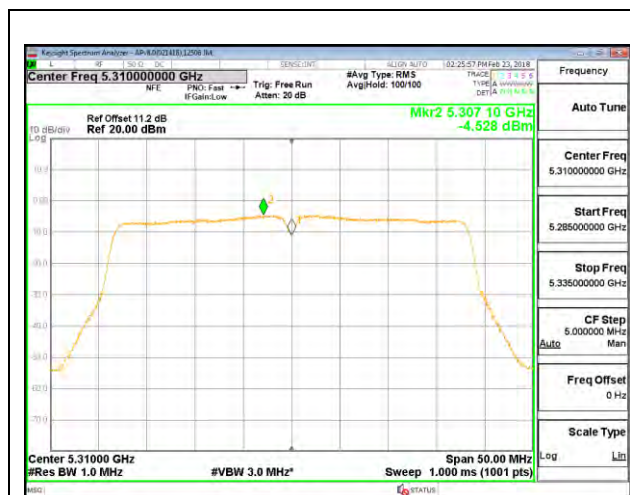


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.8. 802.11ac VHT80 2TX CDD MODE IN THE 5.3 GHz BAND

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	83.60	-4.81	-1.83	24.00	11.00

Duty Cycle CF (dB)	0.52	Included in Calculations of Corr'd PSD
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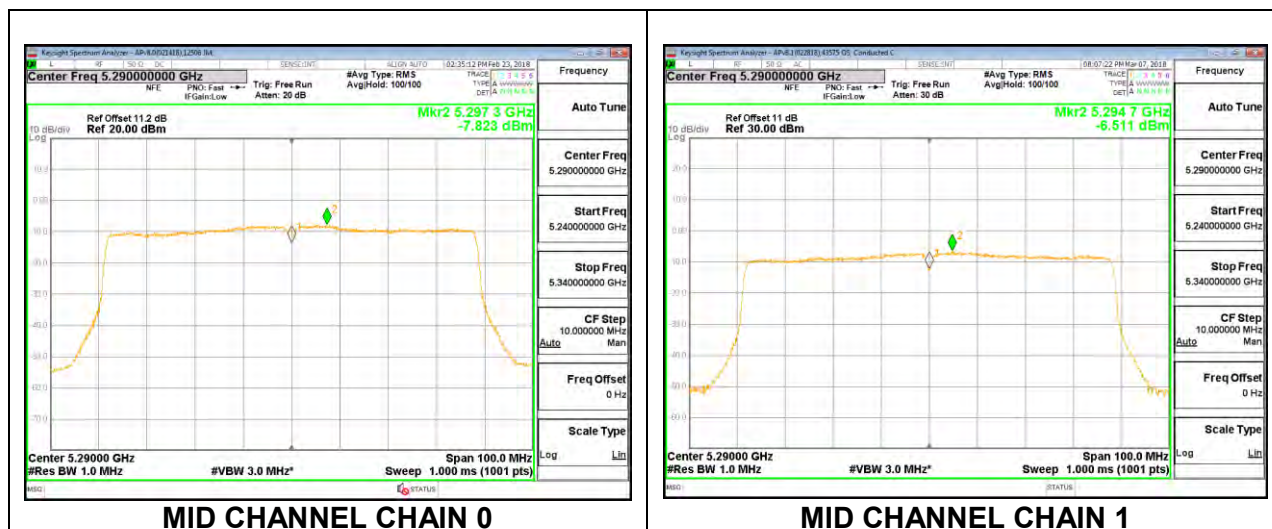
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	8.95	10.11	12.58	24.00	-11.42

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid	5290	-7.823	-6.511	-3.59	11.00	-14.59

MID CHANNEL



8.5.9. 802.11a 2TX CDD MODE IN THE 5.6 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Direction Gain for PSD (dBi)
Low	5500	20.90	16.413	-1.29	1.61
Mid	5580	21.45	16.520	-1.29	1.61
High	5700	21.40	16.446	-1.29	1.61
144	5720	21.60	16.411	-1.29	1.61

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low	5500	24.00	23.15	29.15	23.15	11.00	11.00
Mid	5580	24.00	23.18	29.18	23.18	11.00	11.00
High	5700	24.00	23.16	29.16	23.16	11.00	11.00
144	5720	24.00	23.15	29.15	23.15	11.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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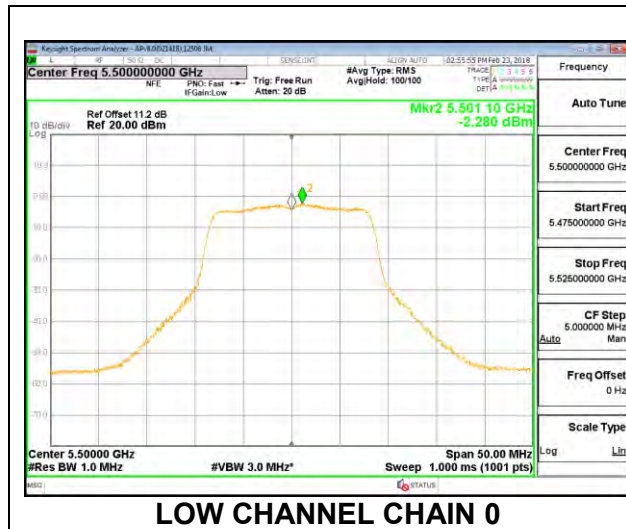
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	8.22	13.77	14.84	23.15	-8.31
Mid	5580	8.68	13.37	14.64	23.18	-8.54
High	5700	8.25	13.48	14.62	23.16	-8.54
144	5720	8.13	13.54	14.64	23.15	-8.51

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-2.280	3.658	4.644	11.00	-6.36
Mid	5580	-1.644	3.512	4.668	11.00	-6.33
High	5700	-2.596	3.635	4.563	11.00	-6.44
144	5720	-2.931	3.581	4.456	11.00	-6.54

LOW CHANNEL

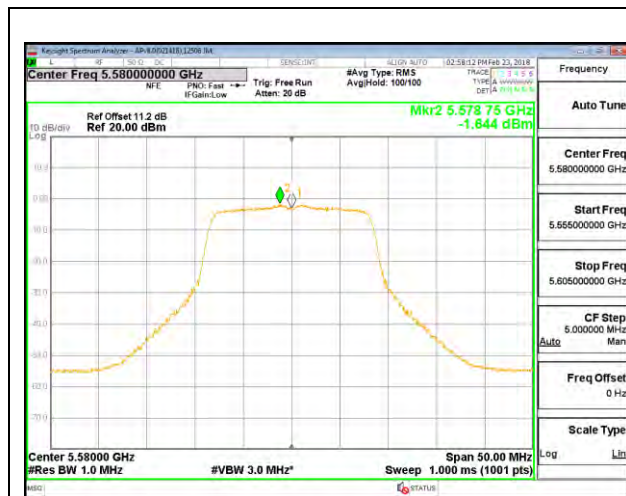


LOW CHANNEL CHAIN 0

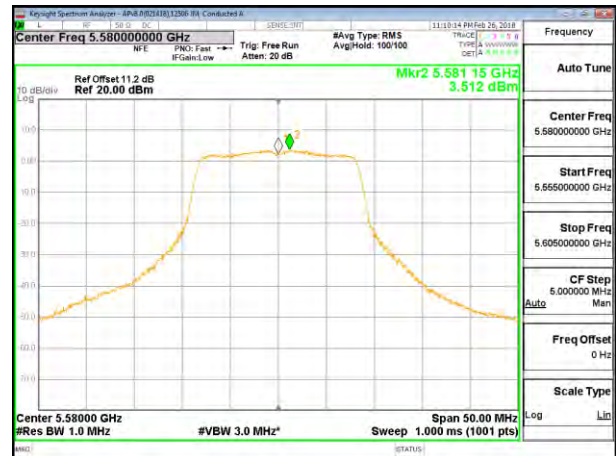


LOW CHANNEL CHAIN 1

MID CHANNEL

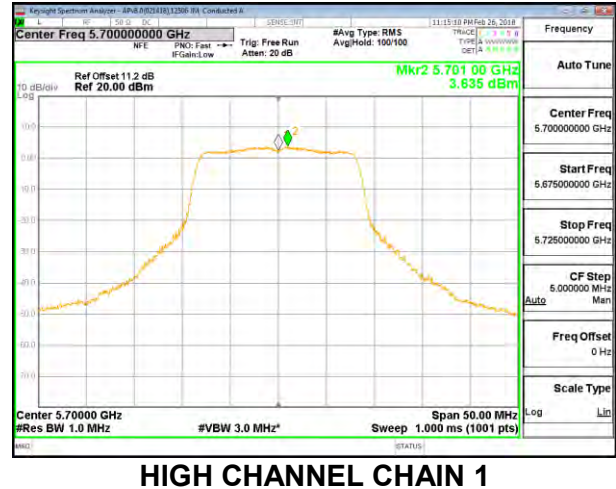
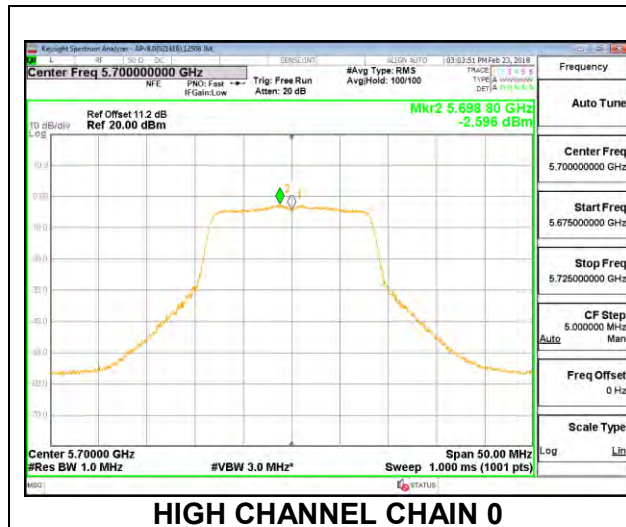


MID CHANNEL CHAIN 0

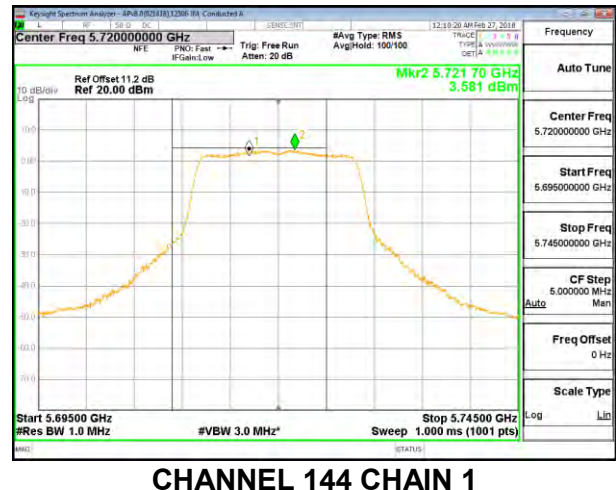
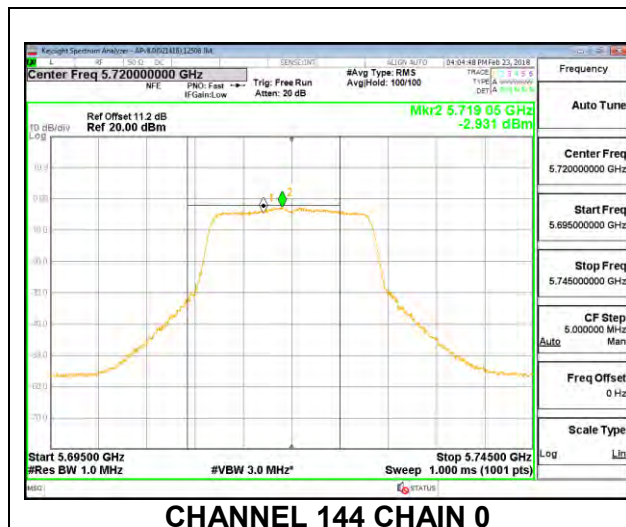


MID CHANNEL CHAIN 1

HIGH CHANNEL



CHANNEL 144



8.5.10. 802.11n HT20 2TX CDD MODE IN THE 5.6 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5500	21.80	17.677	-1.29	1.61
Mid	5580	21.95	17.696	-1.29	1.61
High	5700	22.40	17.688	-1.29	1.61
144	5720	22.20	17.606	-1.29	1.61

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5500	24.00	23.47	29.47	23.47	11.00	11.00	11.00
Mid	5580	24.00	23.48	29.48	23.48	11.00	11.00	11.00
High	5700	24.00	23.48	29.48	23.48	11.00	11.00	11.00
144	5720	24.00	23.46	29.46	23.46	11.00	11.00	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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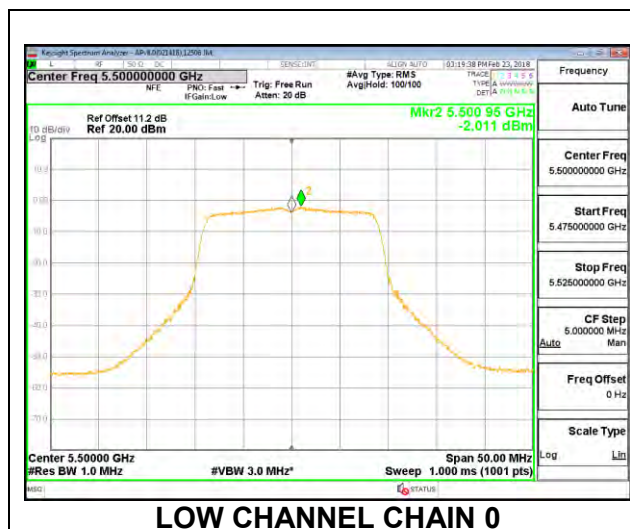
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	9.13	13.81	15.08	23.47	-8.39
Mid	5580	8.89	13.40	14.72	23.48	-8.76
High	5700	8.21	13.60	14.70	23.48	-8.77
144	5720	8.02	13.63	14.68	23.46	-8.77

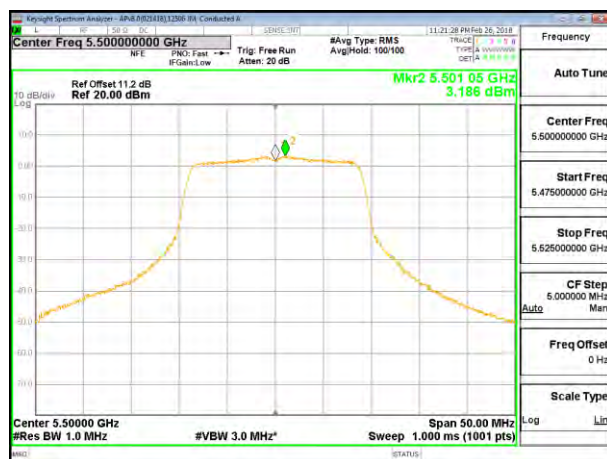
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	-2.011	3.186	4.333	11.00	-6.67
Mid	5580	-2.284	3.740	4.708	11.00	-6.29
High	5700	-3.137	3.681	4.502	11.00	-6.50
144	5720	-3.093	3.328	4.220	11.00	-6.78

LOW CHANNEL

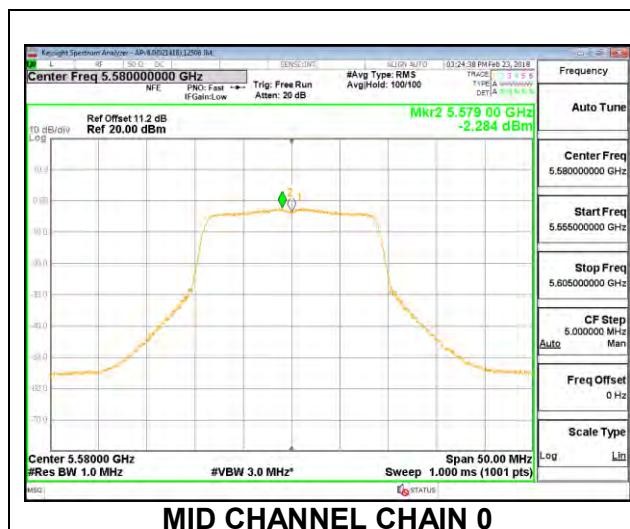


LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

MID CHANNEL

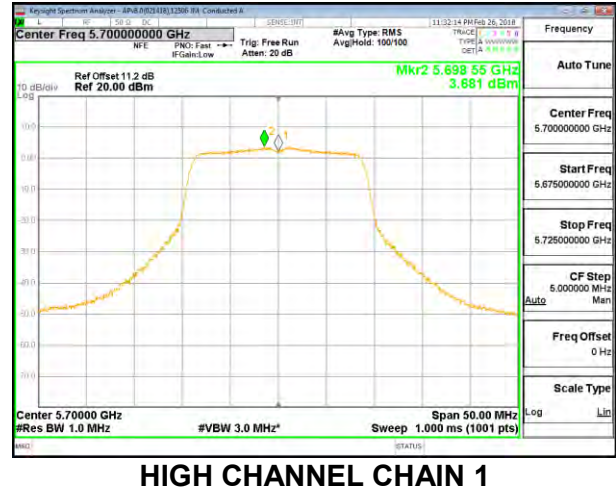
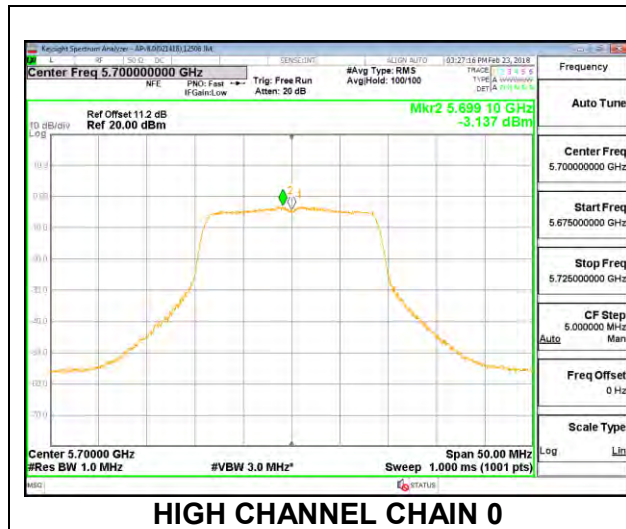


MID CHANNEL CHAIN 0

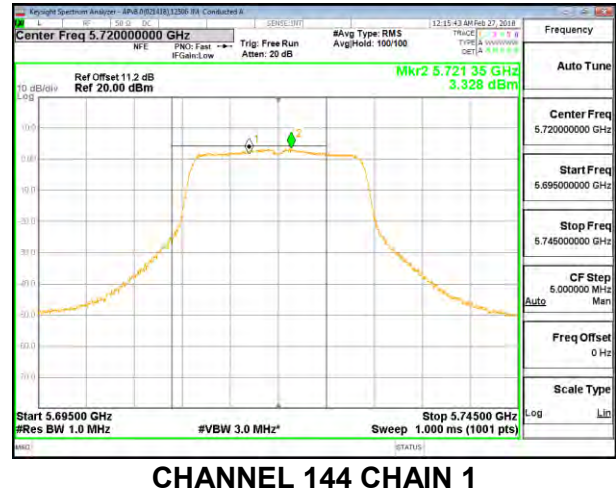
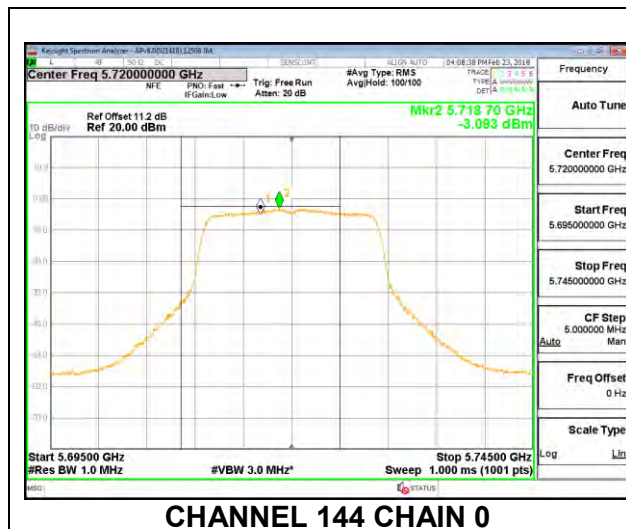


MID CHANNEL CHAIN 1

HIGH CHANNEL



CHANNEL 144



8.5.11. 802.11n HT40 2TX CDD MODE IN THE 5.6 GHz BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5510	41.20	36.265	-1.29	1.61
Mid	5550	41.00	36.310	-1.29	1.61
High	5670	41.10	36.269	-1.29	1.61
142	5710	40.90	36.367	-1.29	1.61

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
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

Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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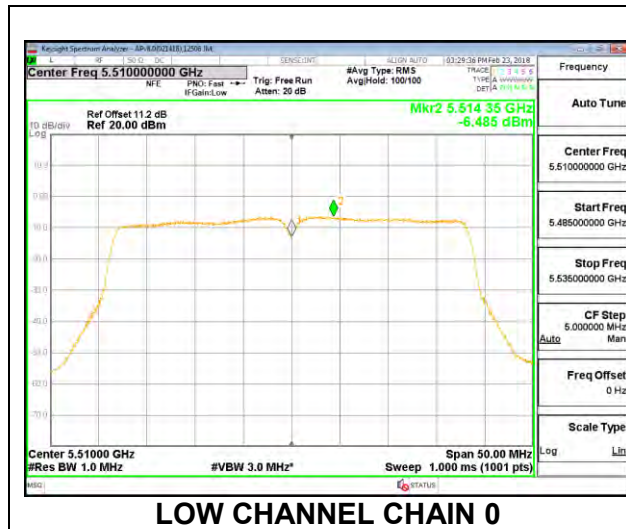
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	8.15	10.26	12.34	24.00	-11.66
Mid	5550	8.86	13.48	14.77	24.00	-9.23
High	5670	8.33	13.63	14.75	24.00	-9.25
142	5710	7.97	13.56	14.88	24.00	-9.12

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-6.485	-3.600	-1.54	11.00	-12.54
Mid	5550	-5.407	0.274	1.57	11.00	-9.43
High	5670	-6.300	0.647	1.71	11.00	-9.29
142	5710	-6.270	0.271	1.40	11.00	-9.60

LOW CHANNEL

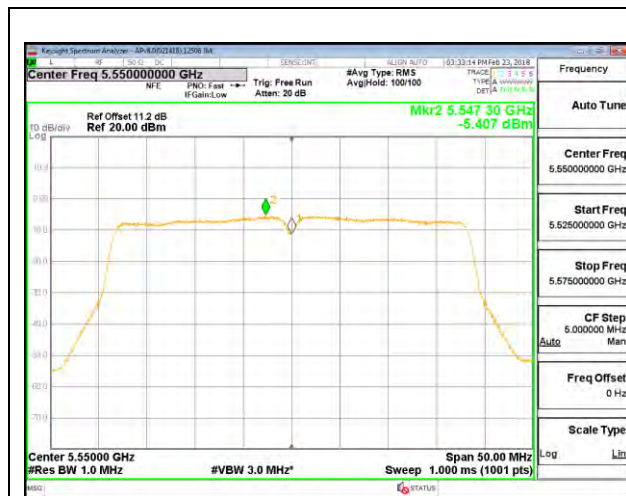


LOW CHANNEL CHAIN 0

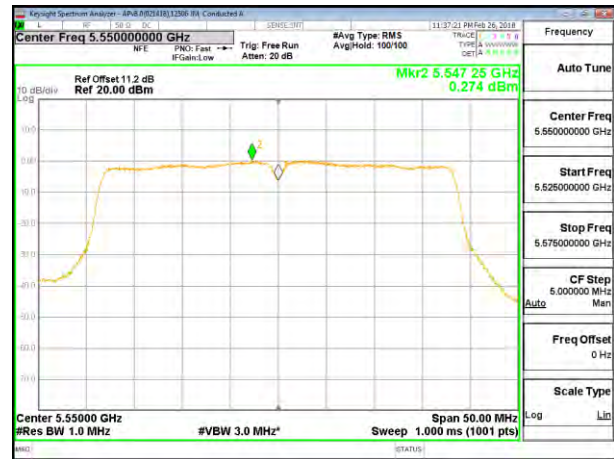


LOW CHANNEL CHAIN 1

MID CHANNEL

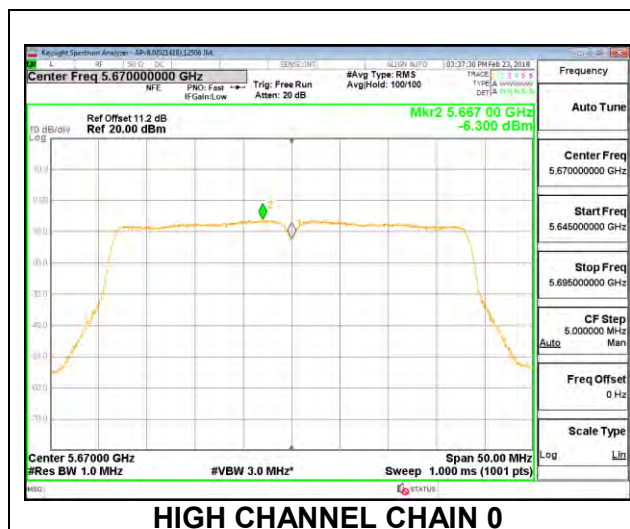


MID CHANNEL CHAIN 0

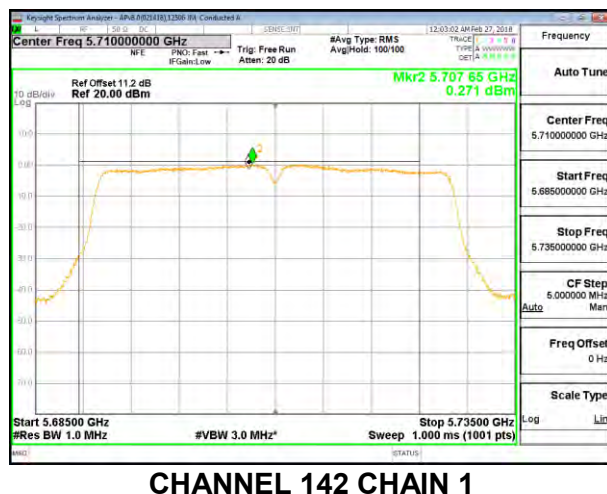
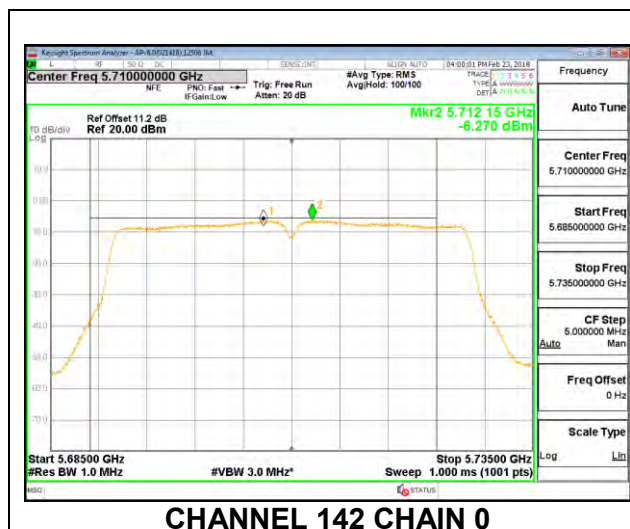


MID CHANNEL CHAIN 1

HIGH CHANNEL



CHANNEL 142



8.5.12. 802.11ac VHT80 2TX CDD MODE IN THE 5.6 GHZ BAND

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	83.80	75.846	-1.29	1.61
High	5610	83.60	75.713	-1.29	1.61
138	5690	83.20	75.799	-1.29	1.61

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
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

Duty Cycle CF (dB)	0.52	Included in Calculations of Corr'd PSD
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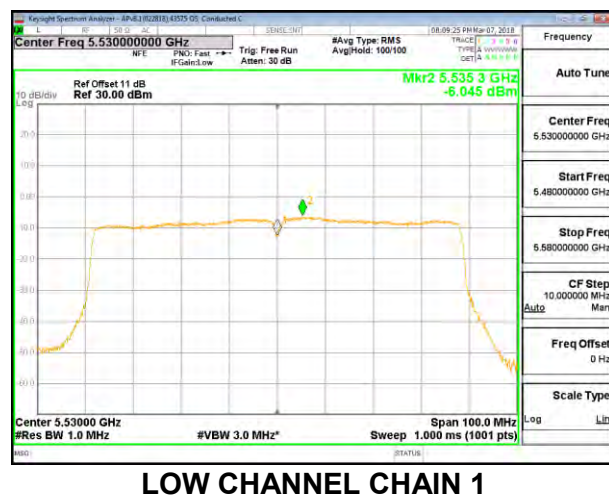
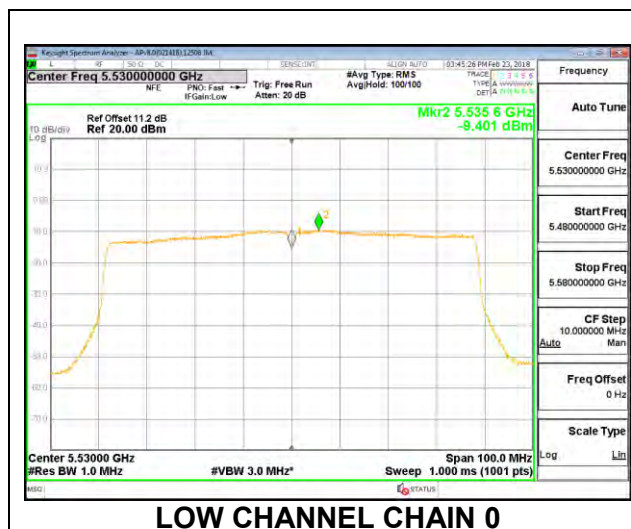
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi (dB)
Low	5530	7.74	10.13	12.11	24.00	-11.89
High	5610	8.34	13.16	14.40	24.00	-9.60
138	5690	7.98	13.21	14.87	24.00	-9.13

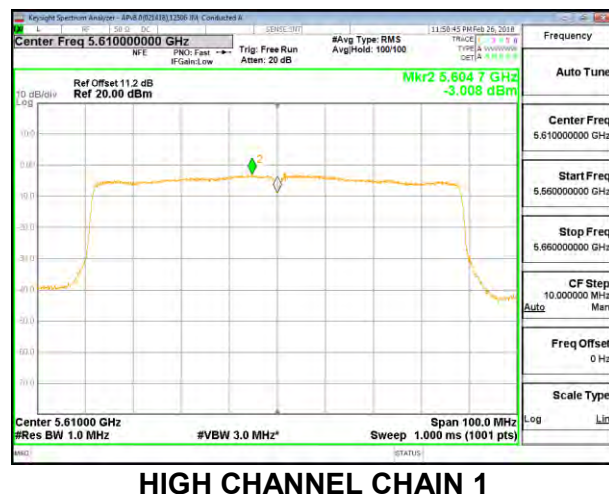
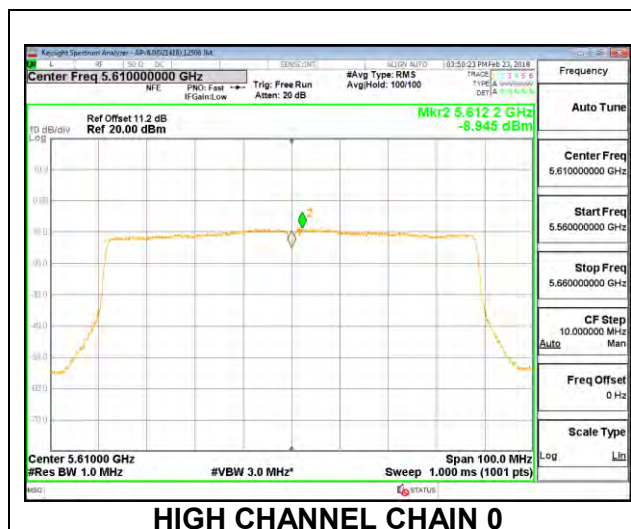
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margi (dB)
Low	5530	-9.401	-6.045	-3.876	11.00	-14.88
High	5610	-8.945	-3.008	-1.502	11.00	-12.50
138	5690	-9.596	-2.790	-1.447	11.00	-12.45

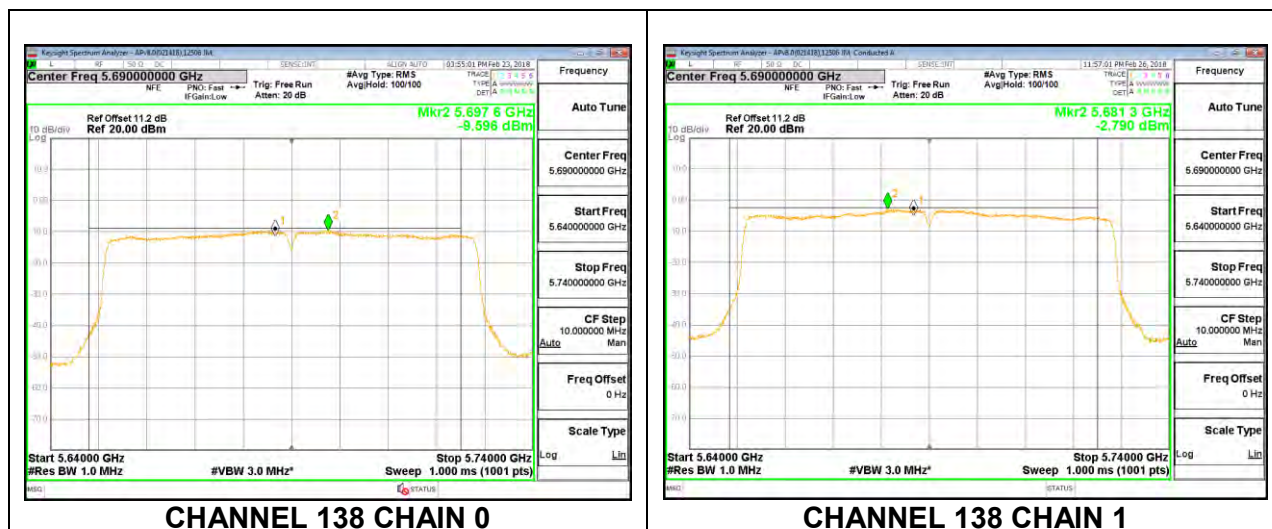
LOW CHANNEL



HIGH CHANNEL



CHANNEL 138



8.5.13. 802.11a 2TX CDD MODE IN THE 5.8 GHz BAND

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 1MHz)
Low	5745	-1.71	0.93	30.00	30.00
Mid	5785	-1.71	0.93	30.00	30.00
High	5825	-1.71	0.93	30.00	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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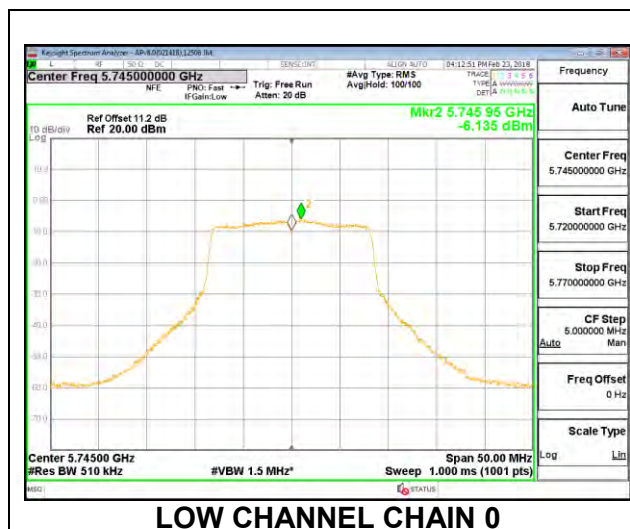
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	7.17	13.36	14.30	30.00	-15.70
Mid	5785	7.16	13.55	14.45	30.00	-15.55
High	5825	7.48	13.28	14.29	30.00	-15.71

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500KHz)	Chain 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-6.135	0.872	1.661	30.00	-28.34
Mid	5785	-5.756	0.976	1.812	30.00	-28.19
High	5825	-4.946	0.526	1.611	30.00	-28.39

LOW CHANNEL

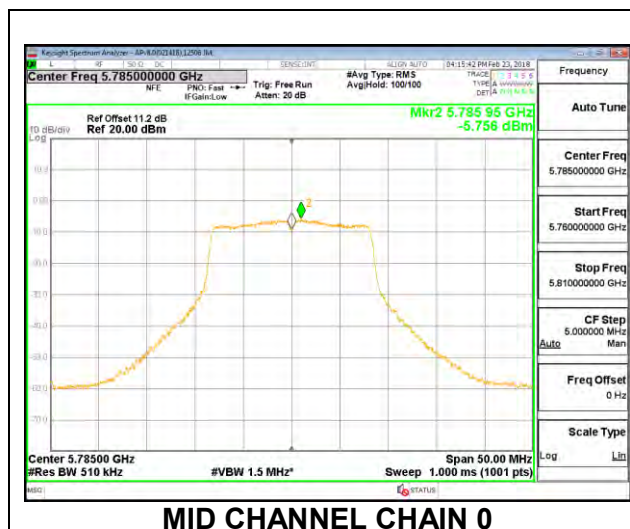


LOW CHANNEL CHAIN 0

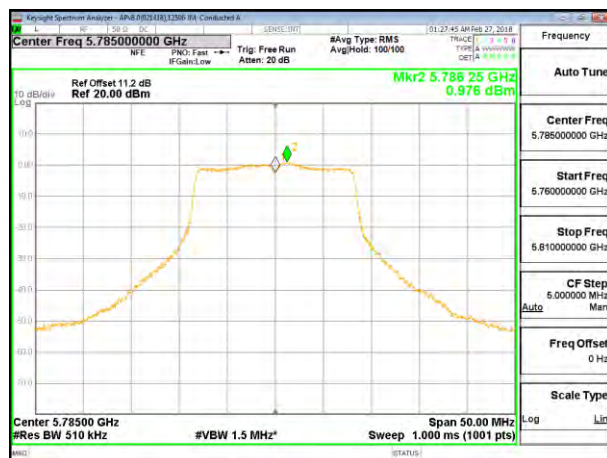


LOW CHANNEL CHAIN 1

MID CHANNEL

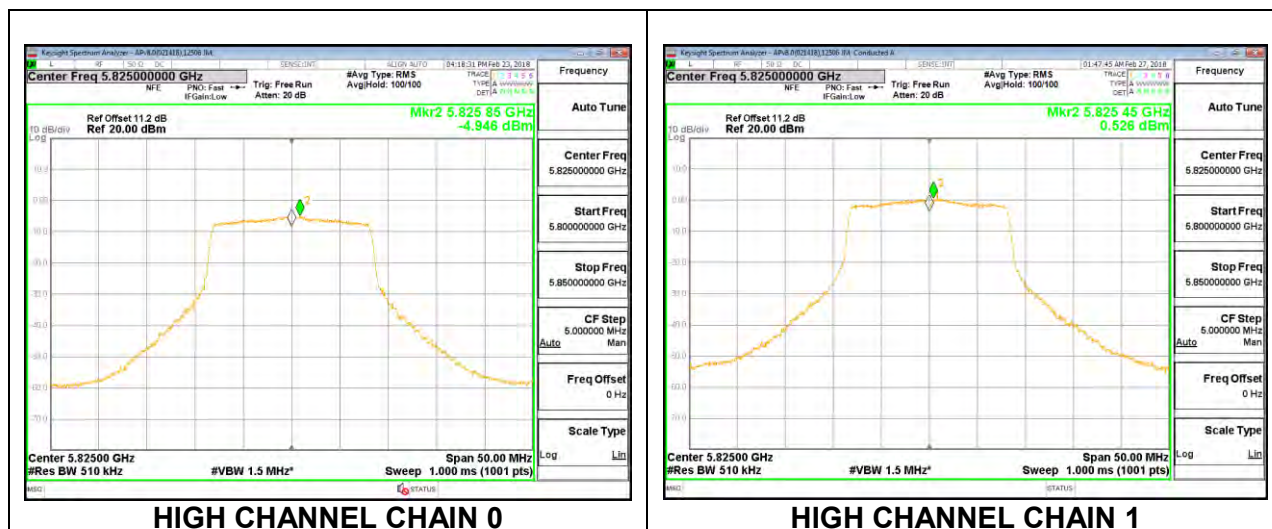


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.14. 802.11n HT20 2TX CDD MODE IN THE 5.8 GHz BAND

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 1MHz)
Low	5745	-1.71	0.93	30.00	30.00
Mid	5785	-1.71	0.93	30.00	30.00
High	5825	-1.71	0.93	30.00	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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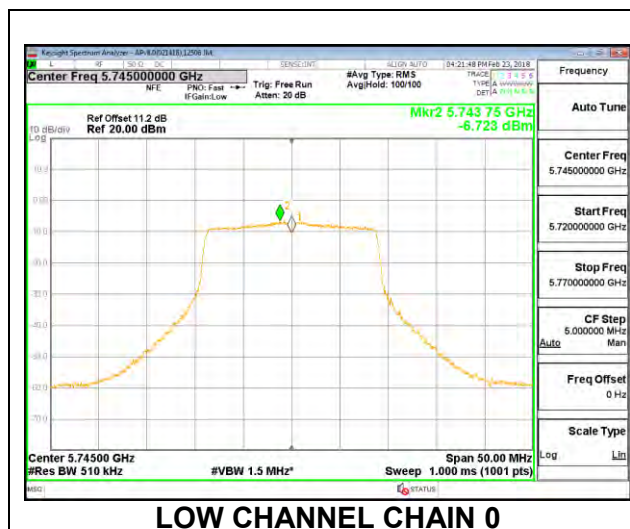
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	7.42	13.48	14.44	30.00	-15.56
Mid	5785	7.26	13.66	14.56	30.00	-15.44
High	5825	7.67	13.79	14.74	30.00	-15.26

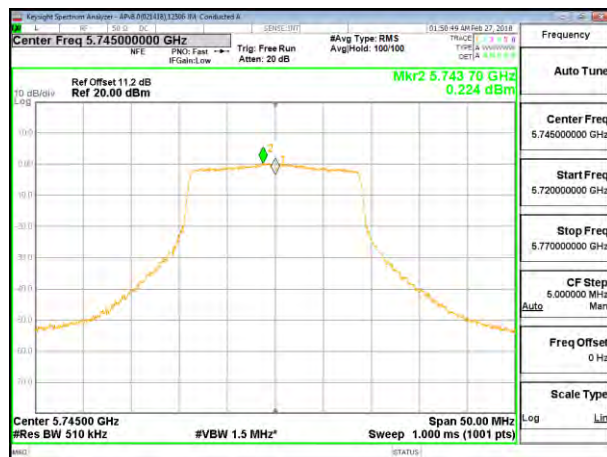
PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500KHz)	Chain 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-6.723	0.224	1.023	30.00	-28.98
Mid	5785	-6.593	0.278	1.090	30.00	-28.91
High	5825	-5.131	0.631	1.653	30.00	-28.35

LOW CHANNEL

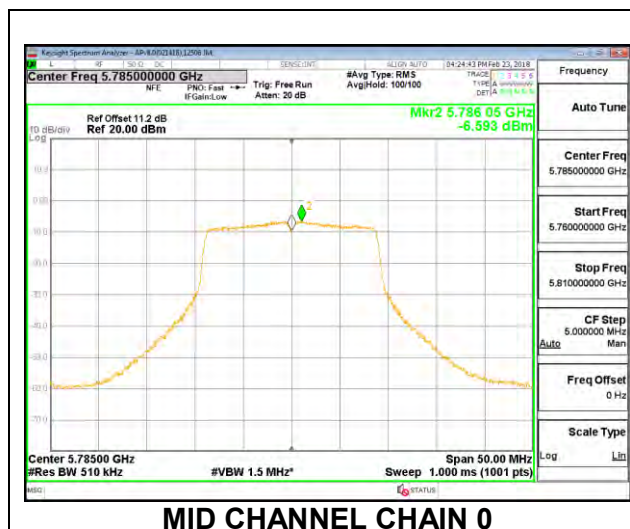


LOW CHANNEL CHAIN 0

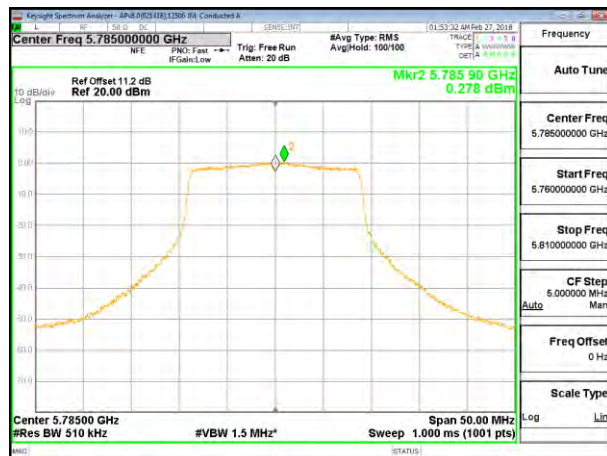


LOW CHANNEL CHAIN 1

MID CHANNEL

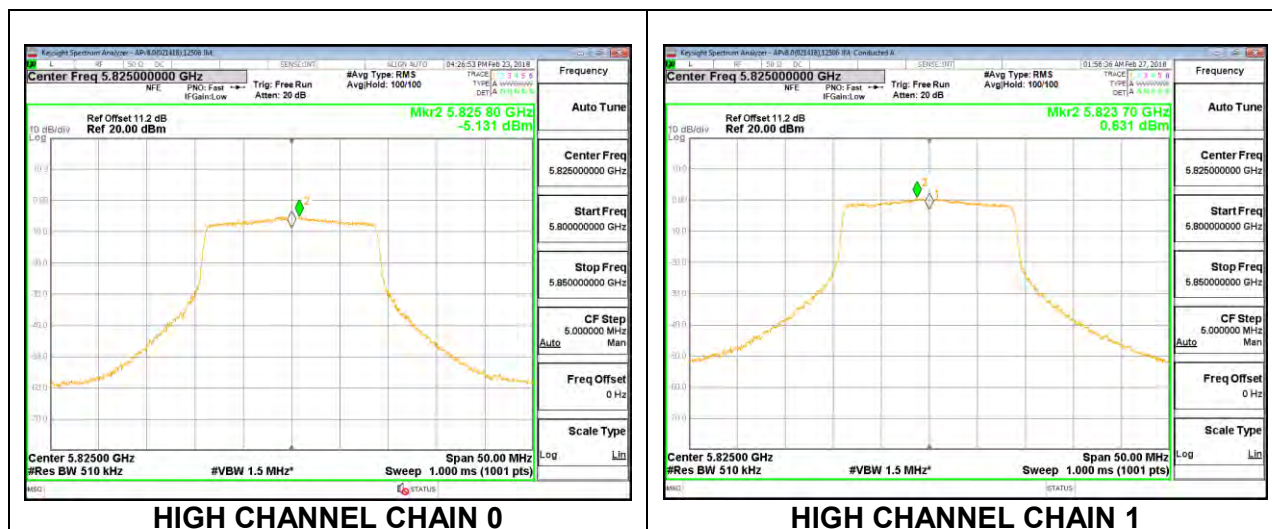


MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

HIGH CHANNEL



8.5.15. 802.11n HT40 2TX CDD MODE IN THE 5.8 GHz BAND

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 1MHz)
Low	5755	-1.71	0.93	30.00	30.00
High	5795	-1.71	0.93	30.00	30.00

Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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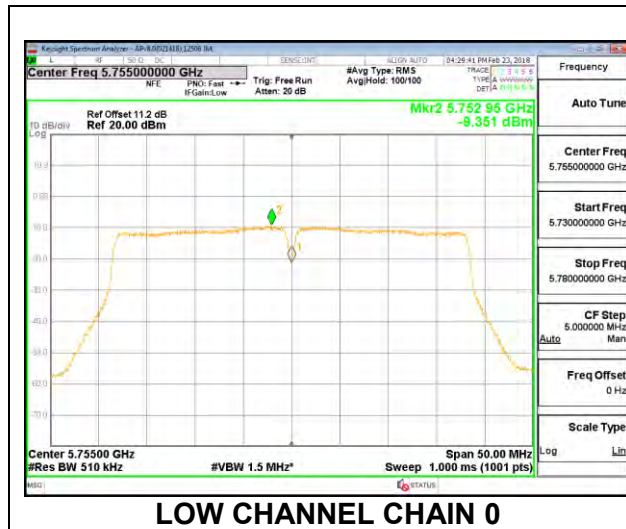
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	7.21	13.41	14.34	30.00	-15.66
High	5795	7.04	13.51	14.39	30.00	-15.61

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500KHz)	Chain 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	-9.351	-2.686	-1.578	30.00	-31.58
High	5795	-9.351	-2.980	-1.819	30.00	-31.82

LOW CHANNEL

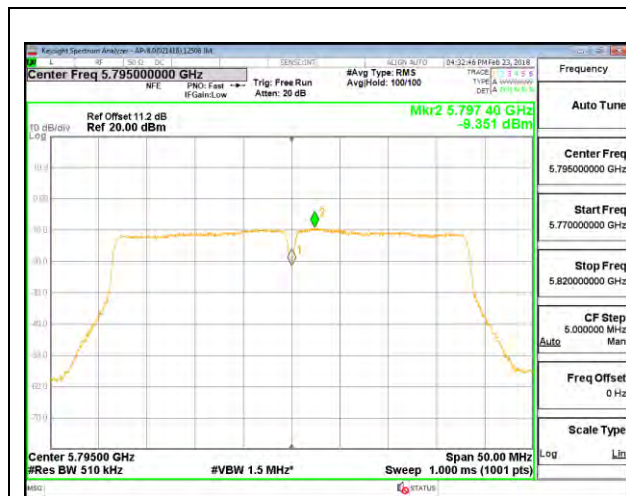


LOW CHANNEL CHAIN 0

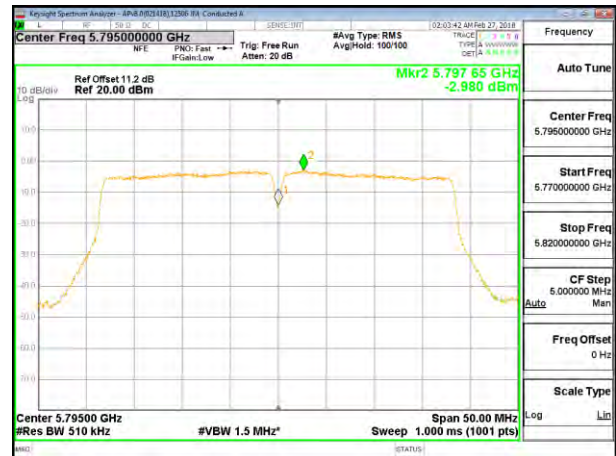


LOW CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

8.5.16. 802.11ac VHT80 2TX CDD MODE IN THE 5.8 GHz BAND

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBm)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 1MHz)
Mid	5755	-1.71	0.93	30.00	30.00

Duty Cycle CF (dB)	0.52	Included in Calculations of Corr'd PSD
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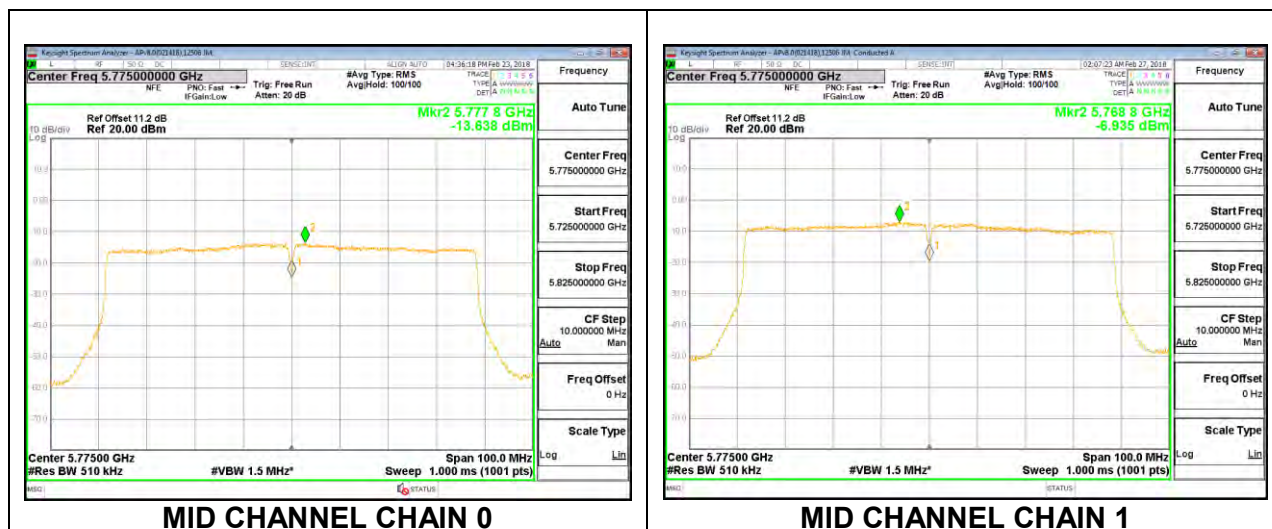
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	6.53	12.61	13.57	30.00	-16.43

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500KHz)	Chain 1 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5755	-13.638	-6.935	-5.574	30.00	-35.57

MID CHANNEL



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
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.

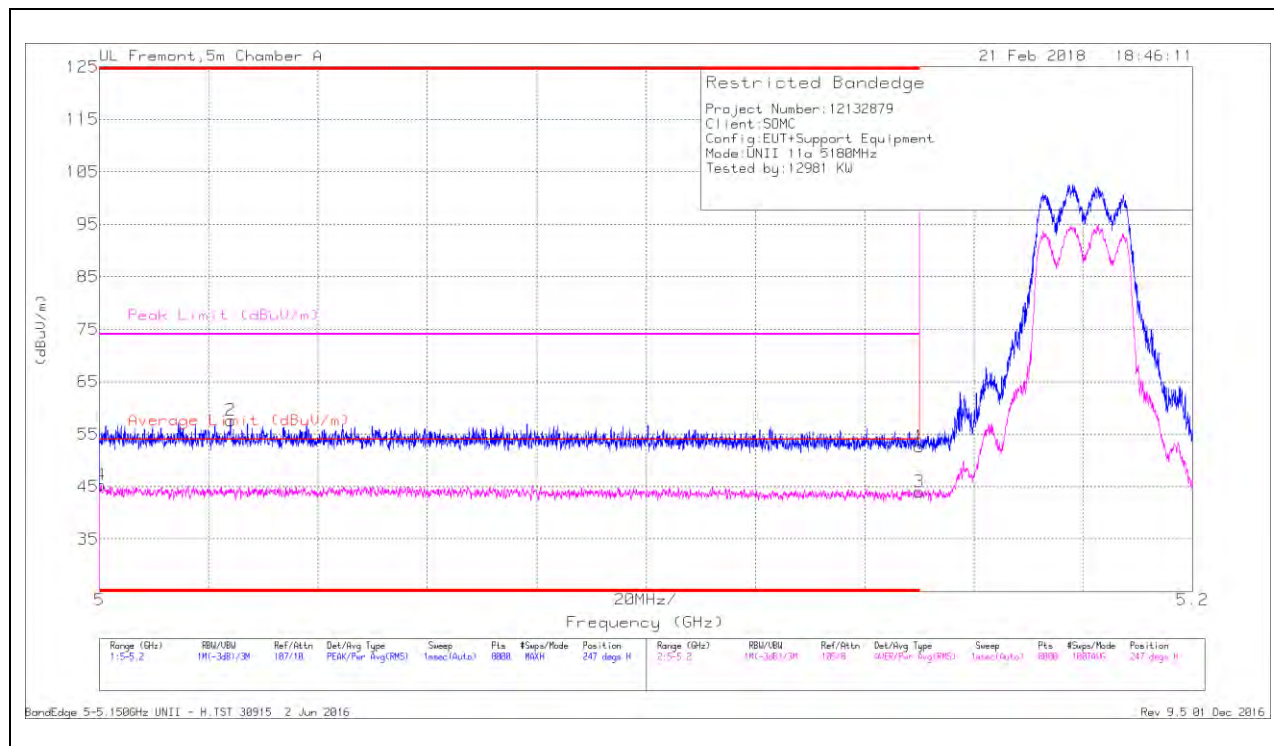
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

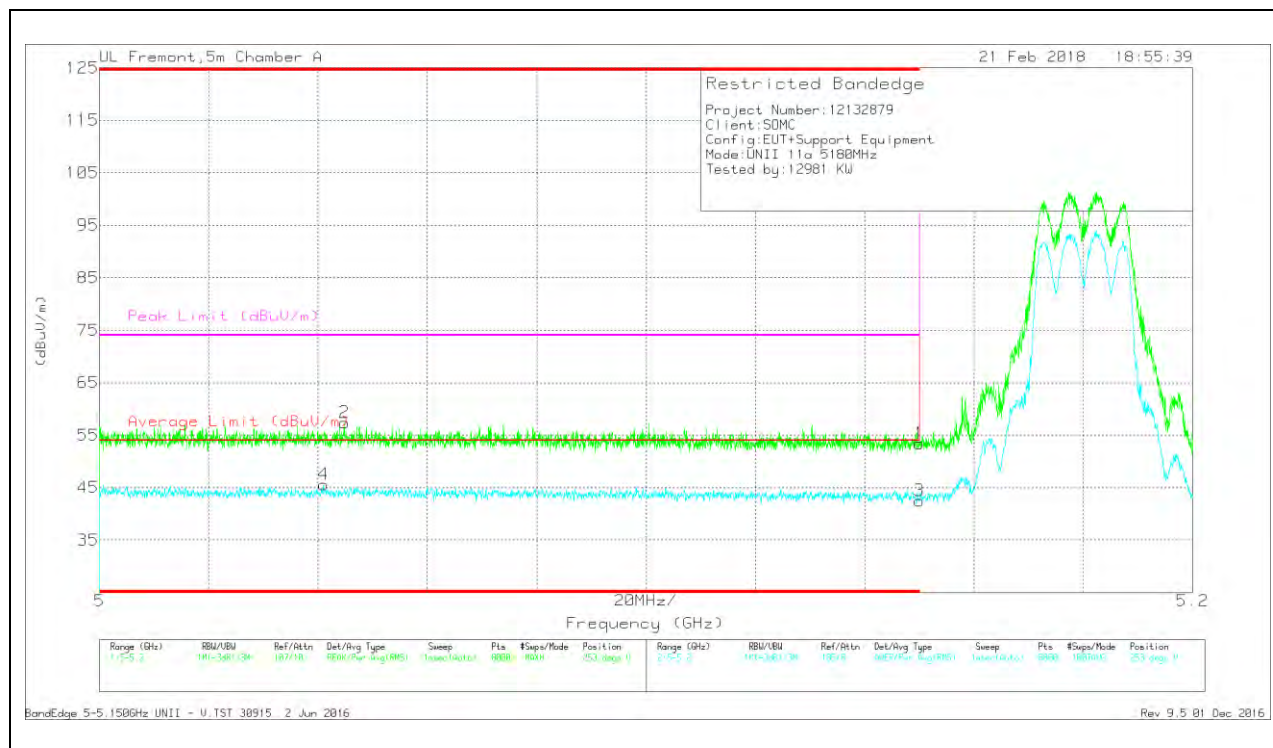
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.69	Pk	34.4	-18.4	0	52.69	-	-	74	-21.31	247	118	H
2	* 5.024	41.47	Pk	34.3	-18.2	0	57.57	-	-	74	-16.43	247	118	H
3	* 5.15	27.96	RMS	34.4	-18.4	0	43.96	54	-10.04	-	-	247	118	H
4	* 5	29.02	RMS	34.3	-18	0	45.32	54	-8.68	-	-	247	118	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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
4	* 5.041	29.44	RMS	34.3	-18.2	0	45.54	54	-8.46	-	-	253	130	V
2	* 5.045	41.06	Pk	34.4	-18.1	0	57.36	-	-	74	-16.64	253	130	V
1	* 5.15	37.37	Pk	34.4	-18.4	0	53.37	-	-	74	-20.63	253	130	V
3	* 5.15	26.52	RMS	34.4	-18.4	0	42.52	54	-11.48	-	-	253	130	V

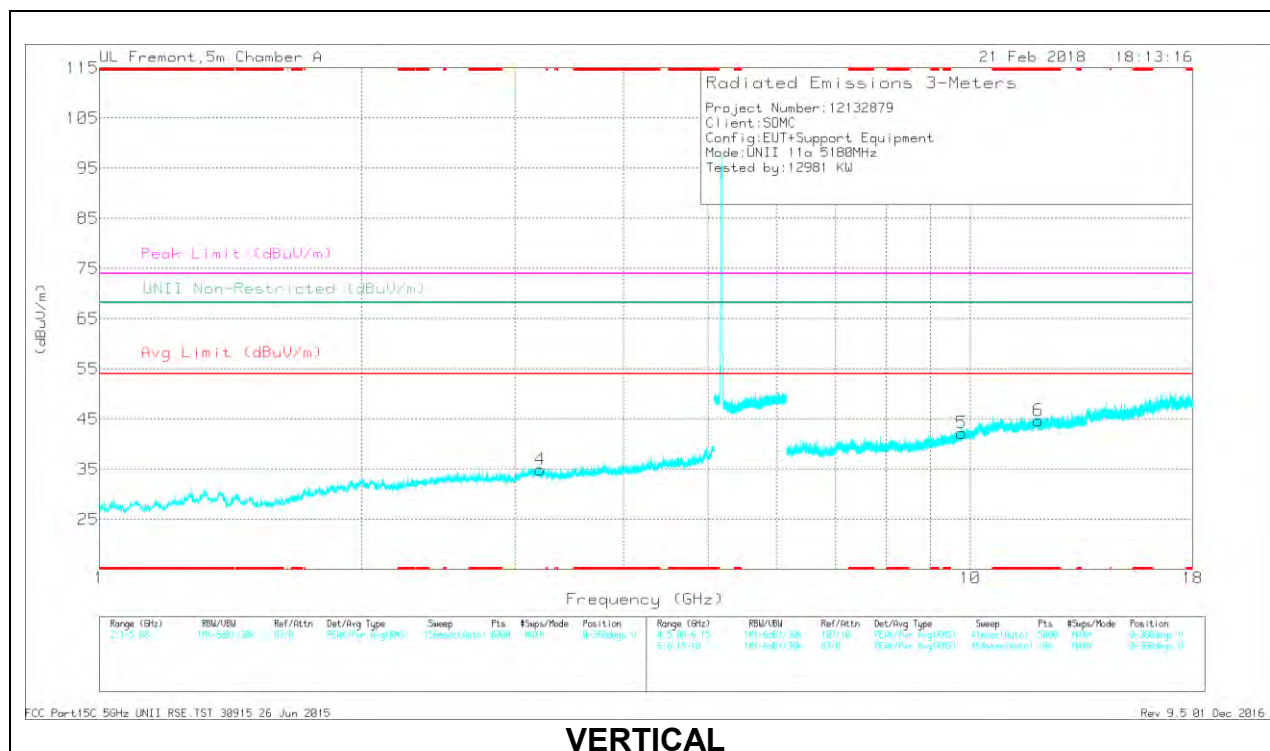
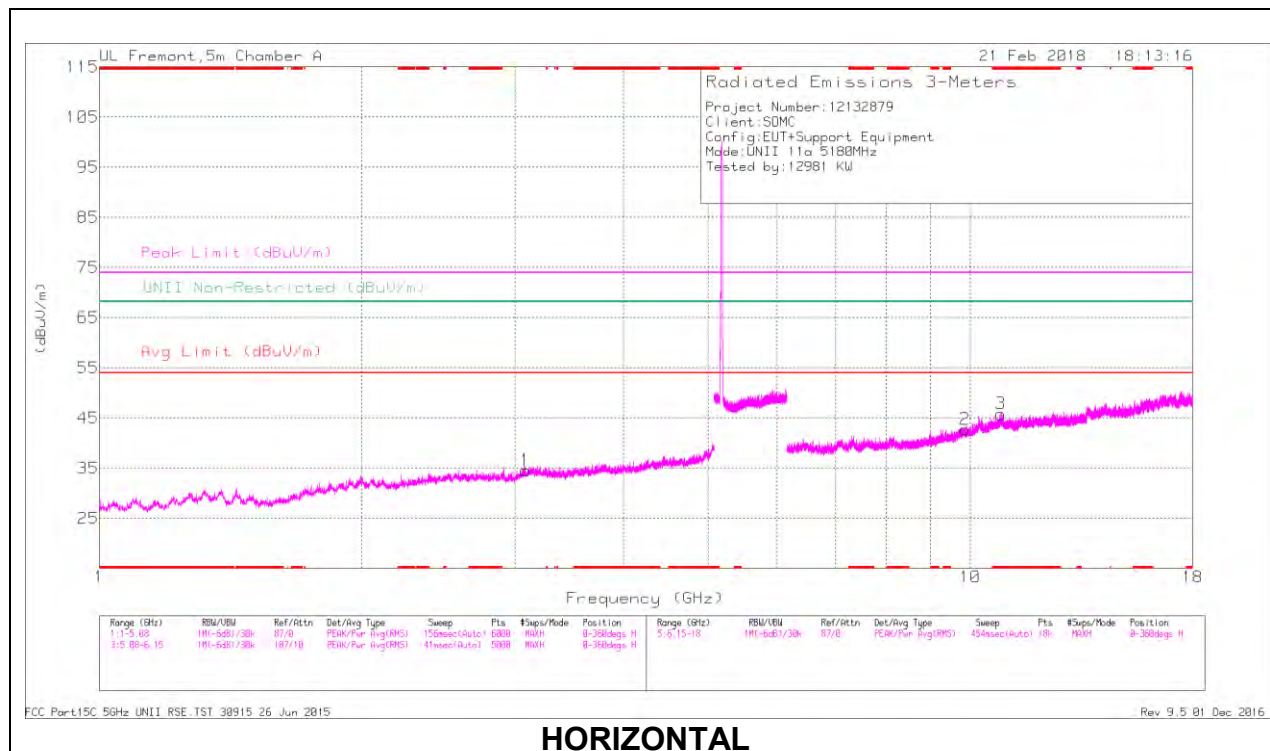
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

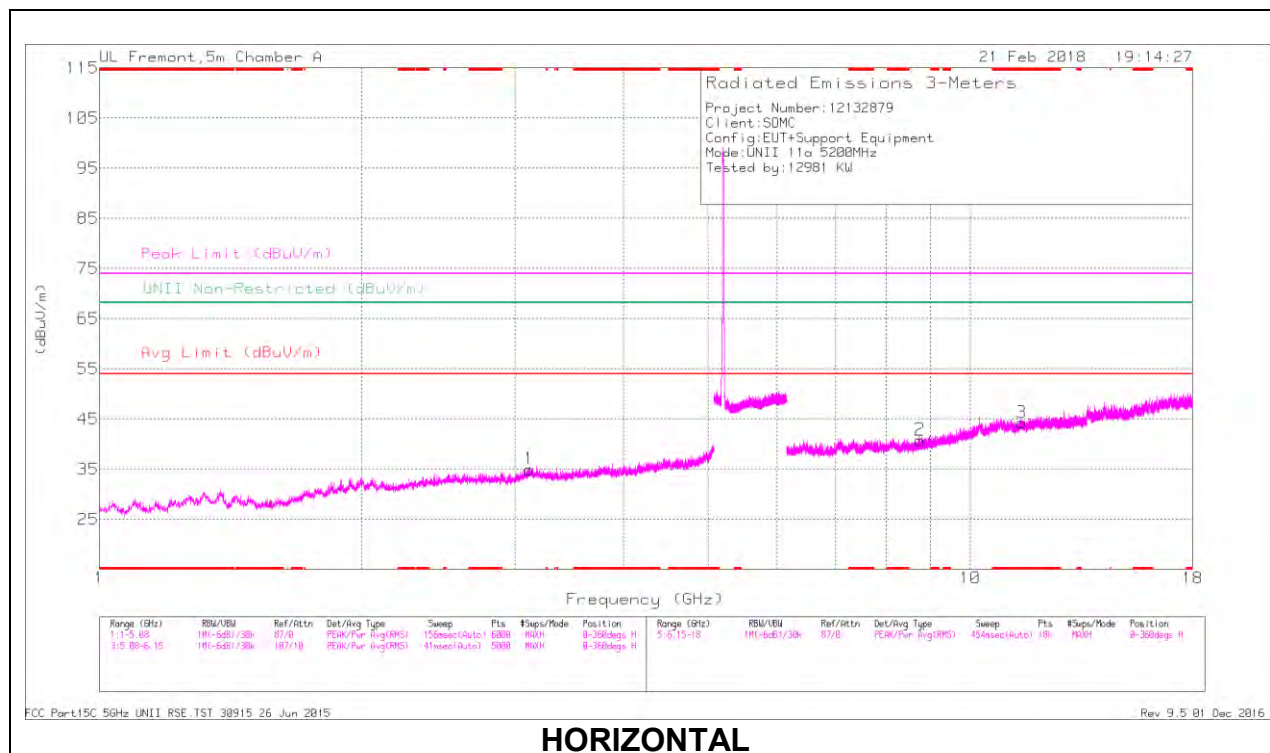
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 10.836	32.34	PK-U	37.9	-18.3	0	51.94	-	-	74	-22.06	-	-	207	159	H
	* 10.837	21.09	ADR	37.9	-18.3	0	40.69	54	-13.31	-	-	-	-	207	159	H
6	* 11.977	31.95	PK-U	38.9	-19.6	0	51.25	-	-	74	-22.75	-	-	117	190	V
	* 11.975	21.16	ADR	38.9	-19.6	0	40.46	54	-13.54	-	-	-	-	117	190	V
1	3.087	37.82	PK-U	32.8	-29.4	0	41.22	-	-	-	-	68.2	-26.98	78	112	H
4	3.209	38.17	PK-U	33.1	-29.8	0	41.47	-	-	-	-	68.2	-26.73	121	102	V
5	9.77	32.5	PK-U	36.9	-21.1	0	48.3	-	-	-	-	68.2	-19.9	233	150	V
2	9.855	32.79	PK-U	37.1	-21	0	48.89	-	-	-	-	68.2	-19.31	125	195	H

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

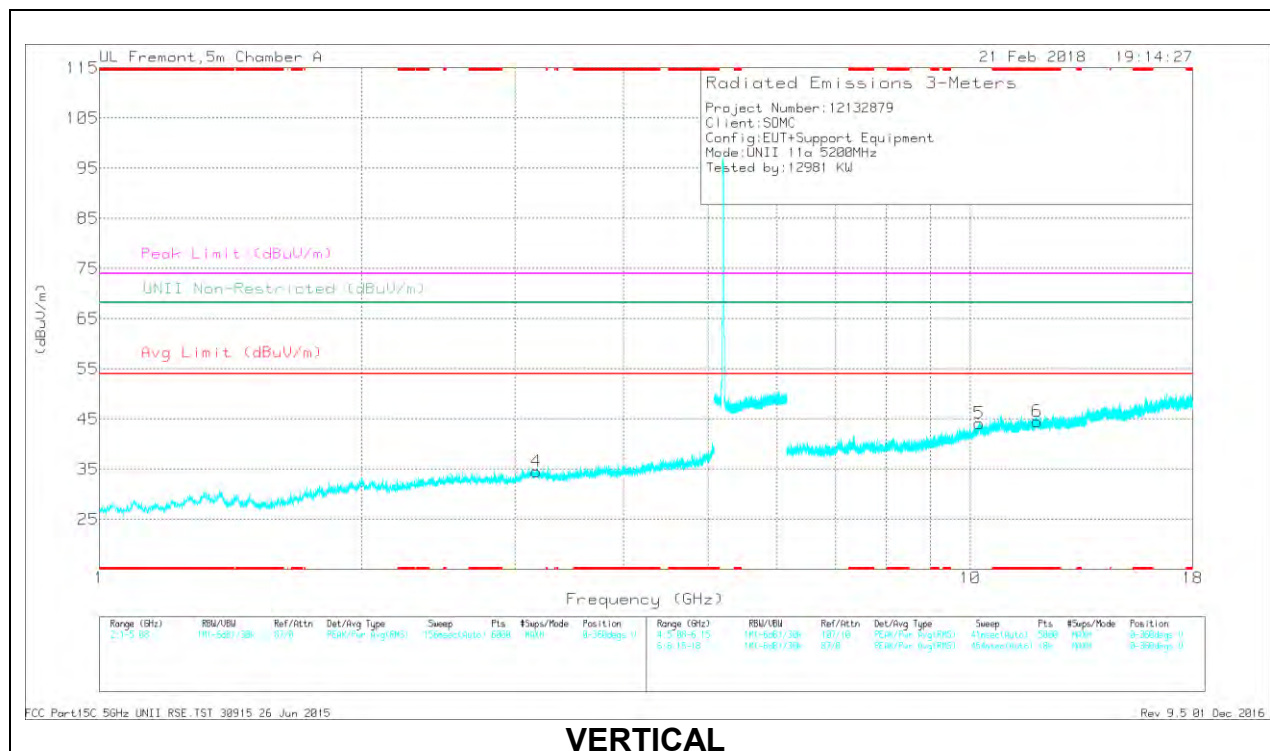
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

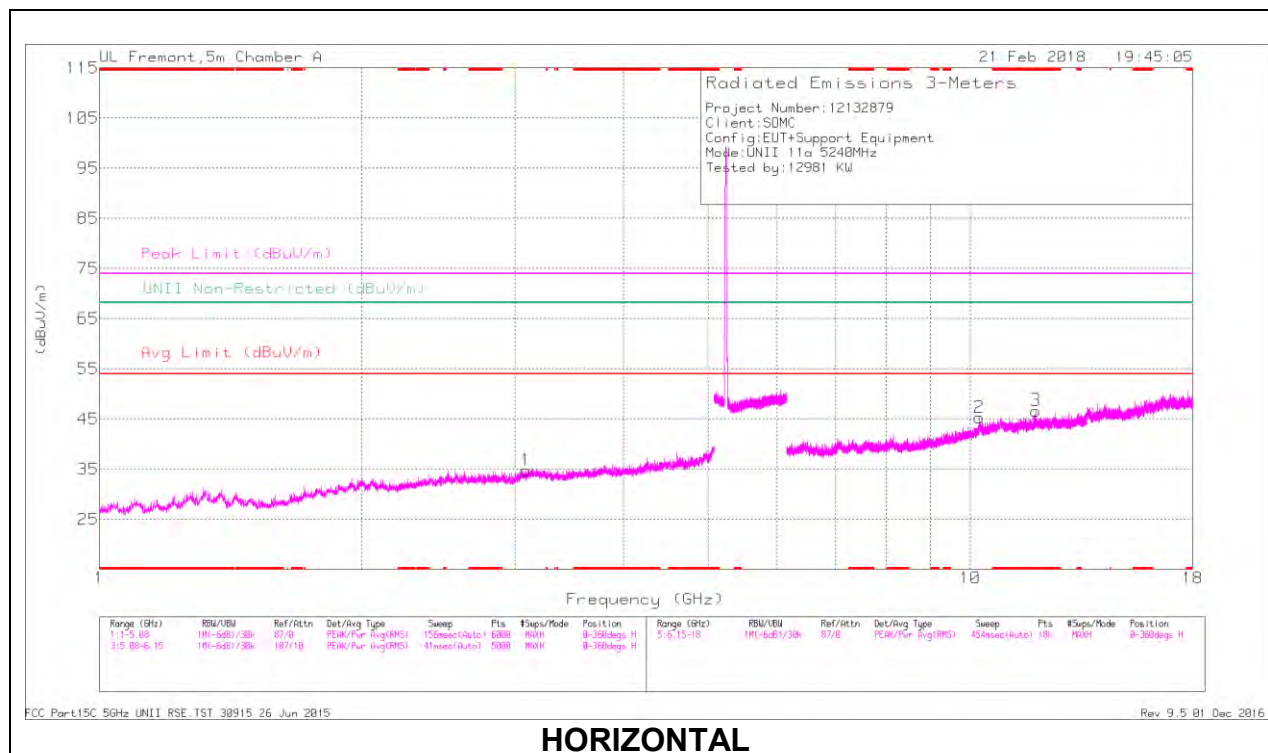
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.449	32.14	PK-U	38.2	-19.3	0	51.04	-	-	74	-22.96	-	-	55	153	H
	* 11.45	21.17	ADR	38.2	-19.3	0	40.07	54	-13.93	-	-	-	-	55	153	H
6	* 11.927	31.86	PK-U	38.8	-19.7	0	50.96	-	-	74	-23.04	-	-	126	174	V
	* 11.93	21.09	ADR	38.9	-19.8	0	40.19	54	-13.81	-	-	-	-	126	174	V
1	3.114	37.82	PK-U	32.9	-29	0	41.72	-	-	-	-	68.2	-26.48	222	115	H
4	3.175	37.7	PK-U	33	-29.4	0	41.3	-	-	-	-	68.2	-26.9	121	245	V
2	8.753	33.23	PK-U	36	-22.2	0	47.03	-	-	-	-	68.2	-21.17	84	155	H
5	10.237	32.43	PK-U	37.5	-19.1	0	50.83	-	-	-	-	68.2	-17.37	312	205	V

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

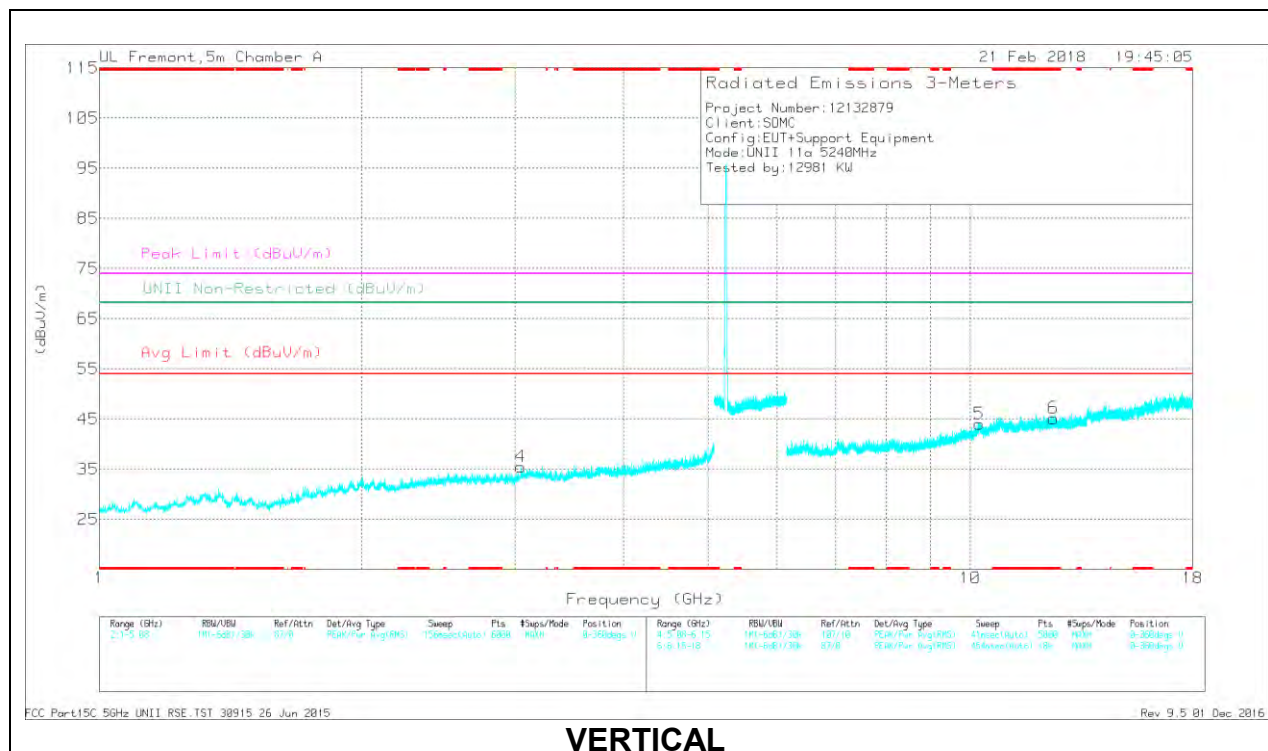
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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
3	* 11.89	32.22	PK-U	38.8	-19.8	0	51.22	-	-	74	-22.78	-	-	184	183	H
	* 11.89	21.31	ADR	38.8	-19.8	0	40.31	54	-13.69	-	-	-	-	184	183	H
6	* 12.453	31.75	PK-U	39	-19.3	0	51.45	-	-	74	-22.55	-	-	155	167	V
	* 12.455	21.24	ADR	39	-19.3	0	40.94	54	-13.06	-	-	-	-	155	167	V
4	3.05	38.66	PK-U	32.7	-29.8	0	41.56	-	-	-	-	68.2	-26.64	74	166	V
1	3.091	37.78	PK-U	32.9	-29.3	0	41.38	-	-	-	-	68.2	-26.82	135	141	H
2	10.239	32.06	PK-U	37.5	-19.1	0	50.46	-	-	-	-	68.2	-17.74	97	132	H
5	10.241	32.79	PK-U	37.5	-19.1	0	51.19	-	-	-	-	68.2	-17.01	225	116	V

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

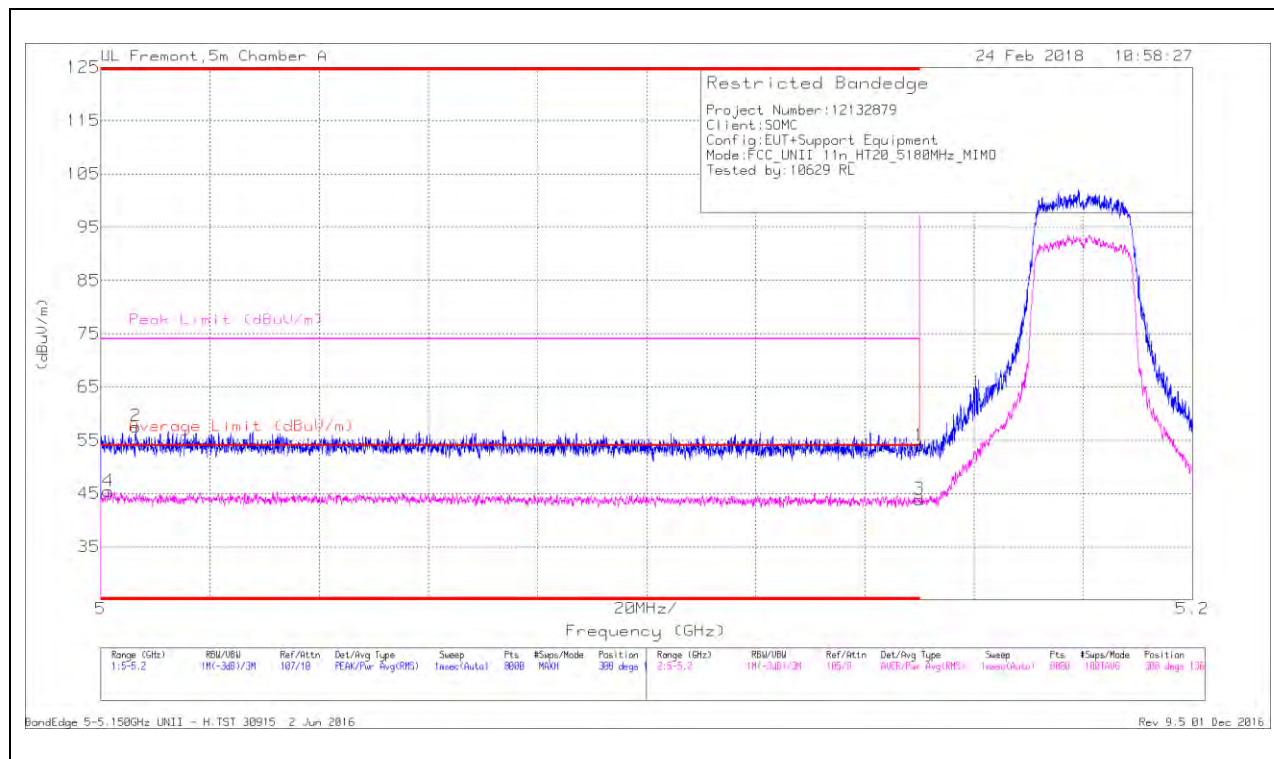
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.2. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

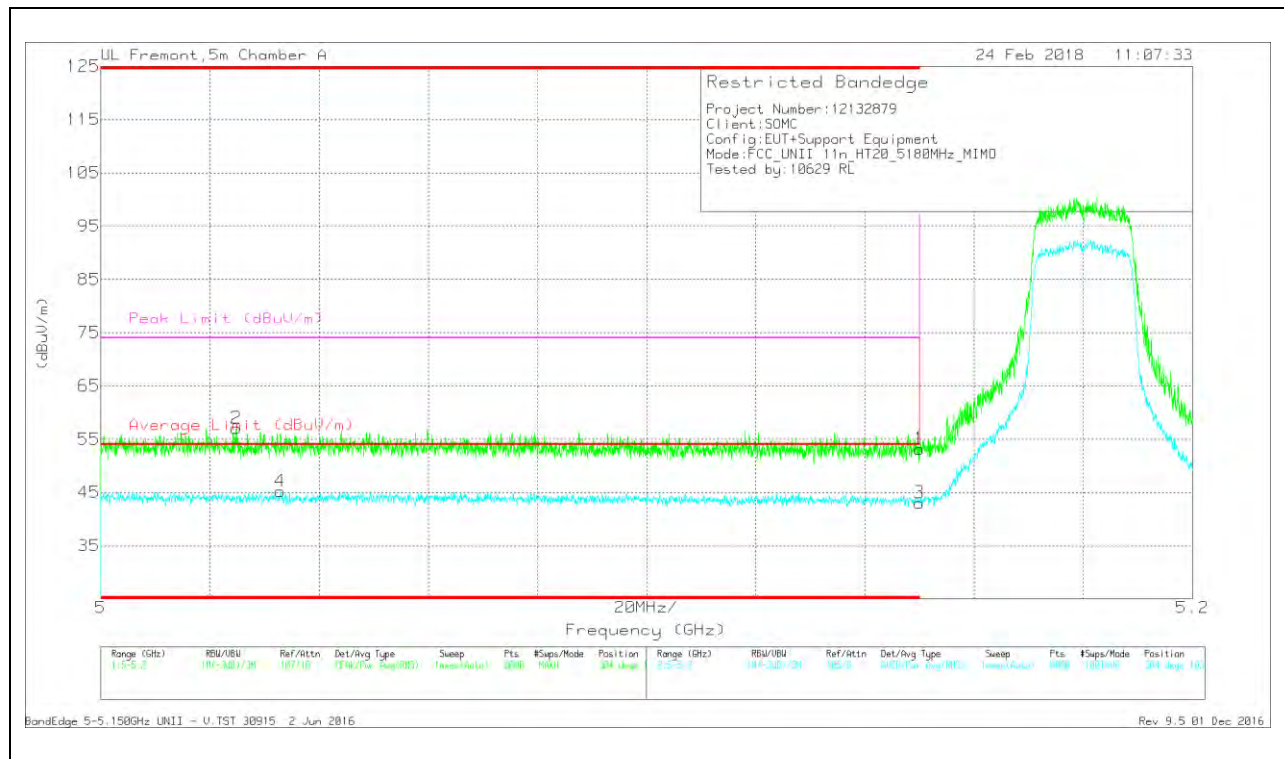
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.001	29.14	RMS	34.3	-18	0	45.44	54	-8.56	-	-	308	136	H
2	* 5.006	41.5	Pk	34.3	-18.2	0	57.6	-	-	74	-16.4	308	136	H
1	* 5.15	37.97	Pk	34.4	-18.4	0	53.97	-	-	74	-20.03	308	136	H
3	* 5.15	27.9	RMS	34.4	-18.4	0	43.9	54	-10.1	-	-	308	136	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	* 5.025	40.94	Pk	34.3	-18.2	0	57.04	-	-	74	-16.96	304	103	V
4	* 5.033	29.13	RMS	34.3	-18.2	0	45.23	54	-8.77	-	-	304	103	V
1	* 5.15	37.18	Pk	34.4	-18.4	0	53.18	-	-	74	-20.82	304	103	V
3	* 5.15	27.03	RMS	34.4	-18.4	0	43.03	54	-10.97	-	-	304	103	V

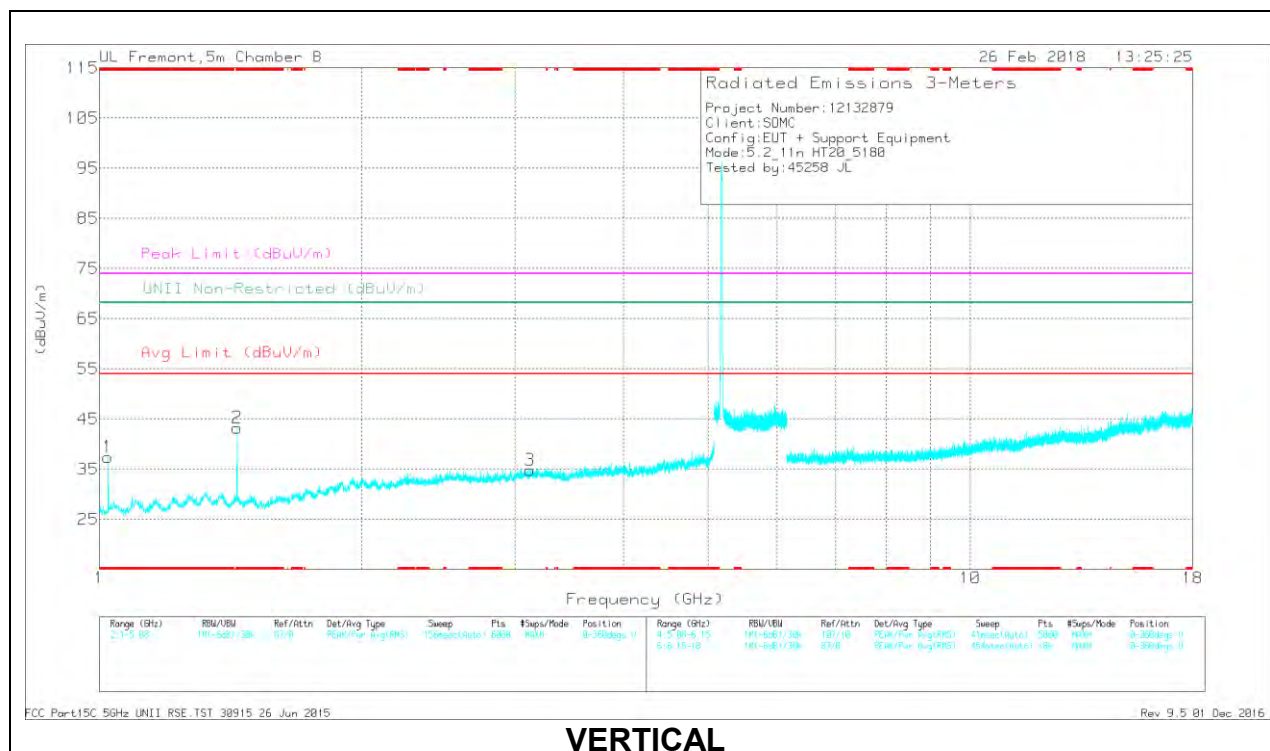
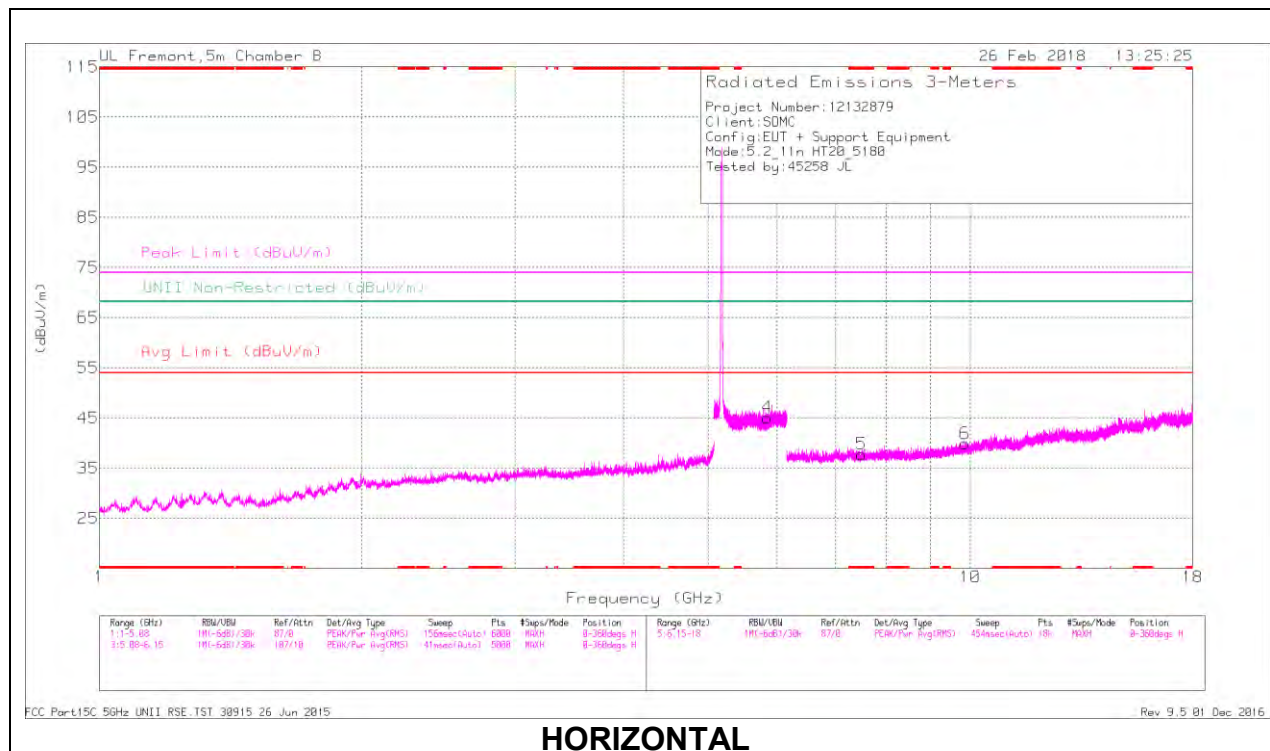
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

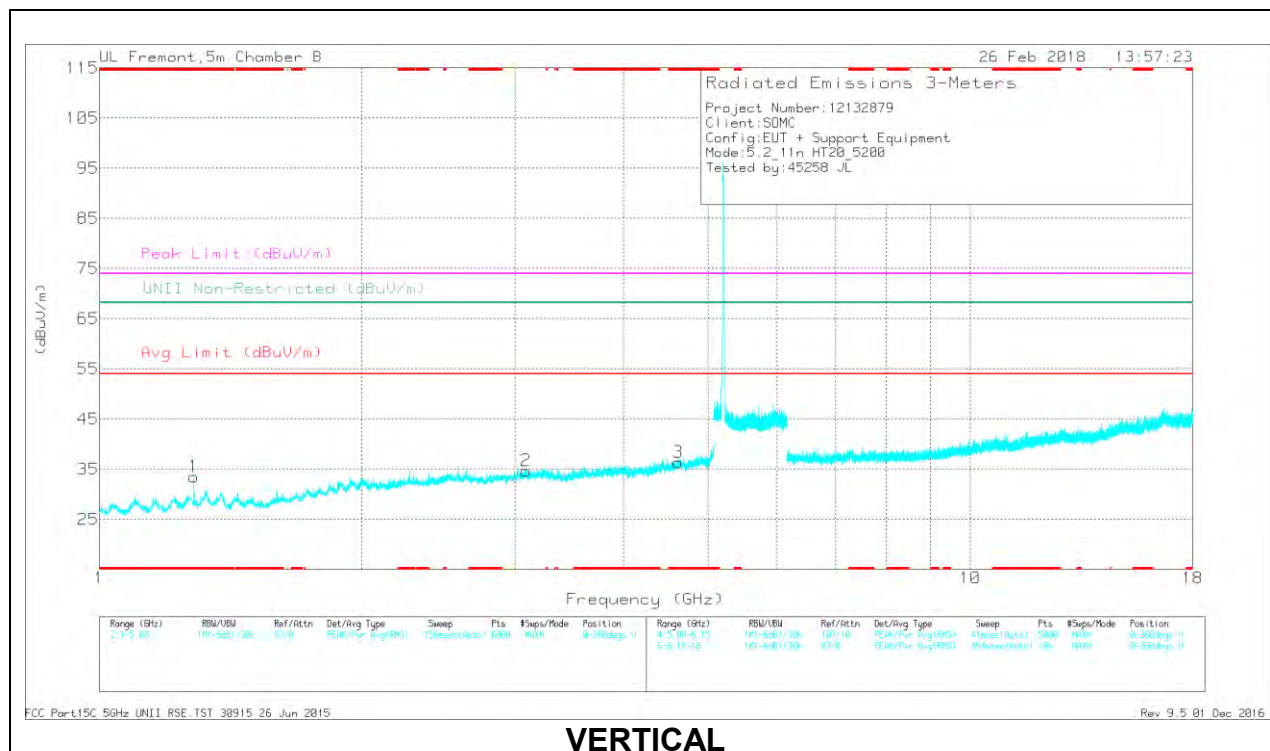
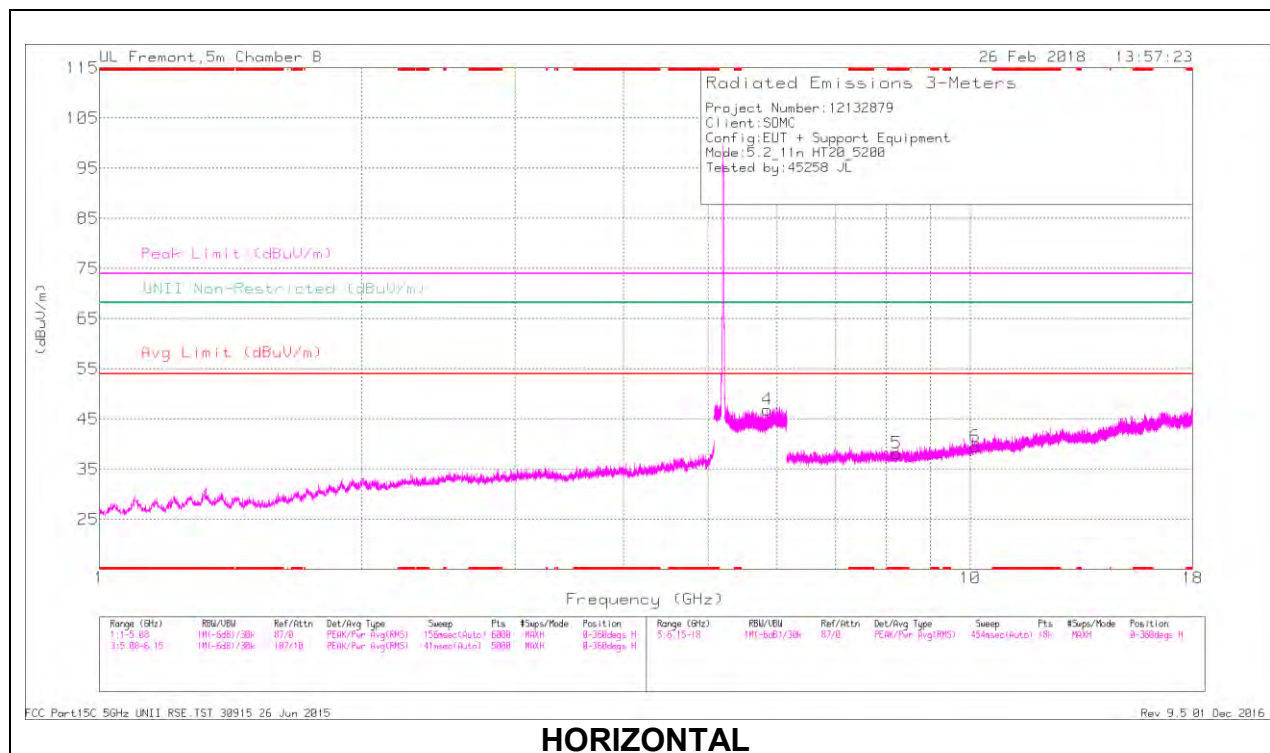
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.021	41.52	PK-U	27.3	-34.9	0	33.92	-	-	74	-40.08	-	-	74	174	V
	* 1.023	30.15	ADR	27.3	-34.9	0	22.55	54	-31.45	-	-	-	-	74	174	V
2	* 1.438	41.89	PK-U	28.3	-33.8	0	36.39	-	-	74	-37.61	-	-	120	222	V
	* 1.438	30.43	ADR	28.3	-33.8	0	24.93	54	-29.07	-	-	-	-	120	222	V
5	* 7.496	37.77	PK-U	36	-28	0	45.77	-	-	74	-28.23	-	-	219	283	H
	* 7.499	25.61	ADR	36	-28	0	33.61	54	-20.39	-	-	-	-	219	283	H
3	3.121	40.06	PK-U	33.1	-32.2	0	40.96	-	-	-	-	68.2	-27.24	206	314	V
4	5.845	38.28	PK-U	35.1	-20	0	53.38	-	-	-	-	68.2	-14.82	281	340	H
6	9.857	34.9	PK-U	37	-25.2	0	46.7	-	-	-	-	68.2	-21.5	324	292	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

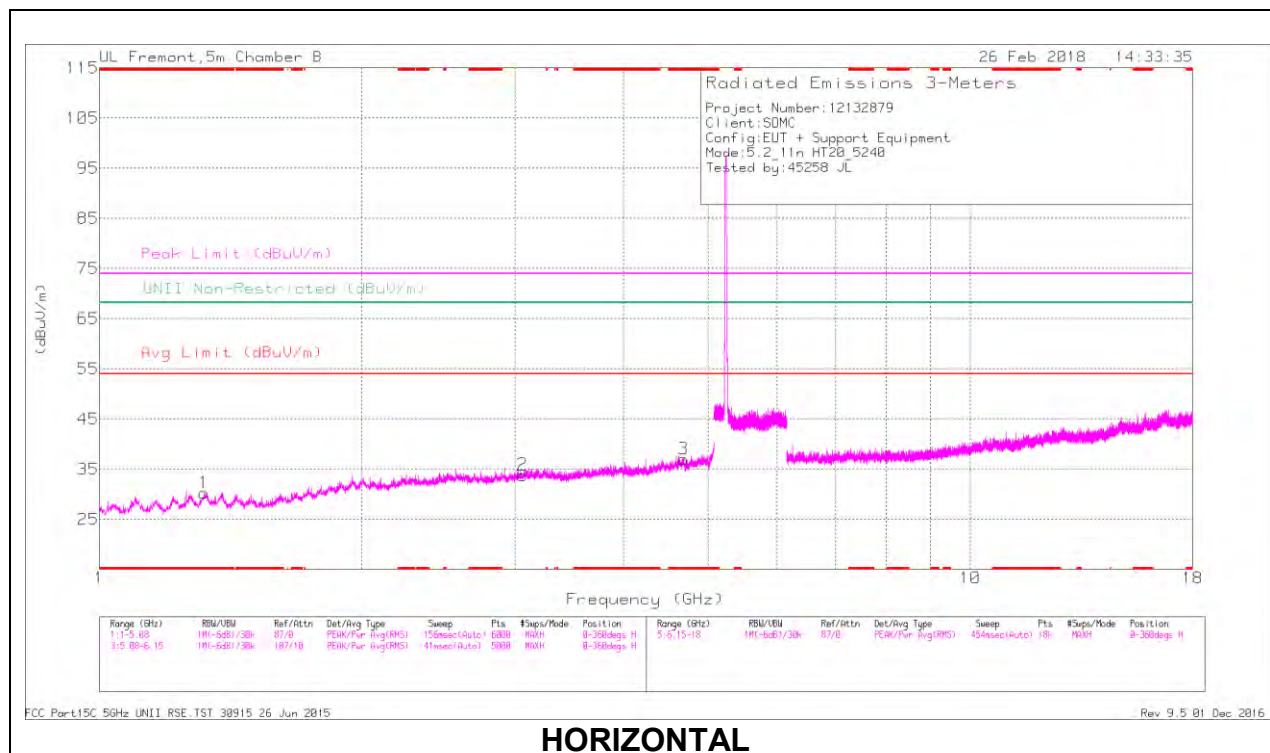
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.281	41.47	PK-U	28.9	-34.7	0	35.67	-	-	74	-38.33	-	-	314	158	V
	* 1.282	30.03	ADR	28.9	-34.7	0	24.23	54	-29.77	-	-	-	-	314	158	V
3	* 4.62	38.49	PK-U	34.3	-29.8	0	42.99	-	-	74	-31.01	-	-	269	198	V
	* 4.624	27.33	ADR	34.3	-29.6	0	32.03	54	-21.97	-	-	-	-	269	198	V
5	* 8.229	36.57	PK-U	36.1	-27.7	0	44.97	-	-	74	-29.03	-	-	215	224	H
	* 8.231	24.68	ADR	36.1	-27.7	0	33.08	54	-20.92	-	-	-	-	215	224	H
2	3.089	40.53	PK-U	33.2	-32.2	0	41.53	-	-	-	-	68.2	-26.67	187	240	V
4	5.846	37.88	PK-U	35.1	-20	0	52.98	-	-	-	-	68.2	-15.22	196	270	H
6	10.134	34.38	PK-U	37.4	-25.3	0	46.48	-	-	-	-	68.2	-21.72	31	237	H

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

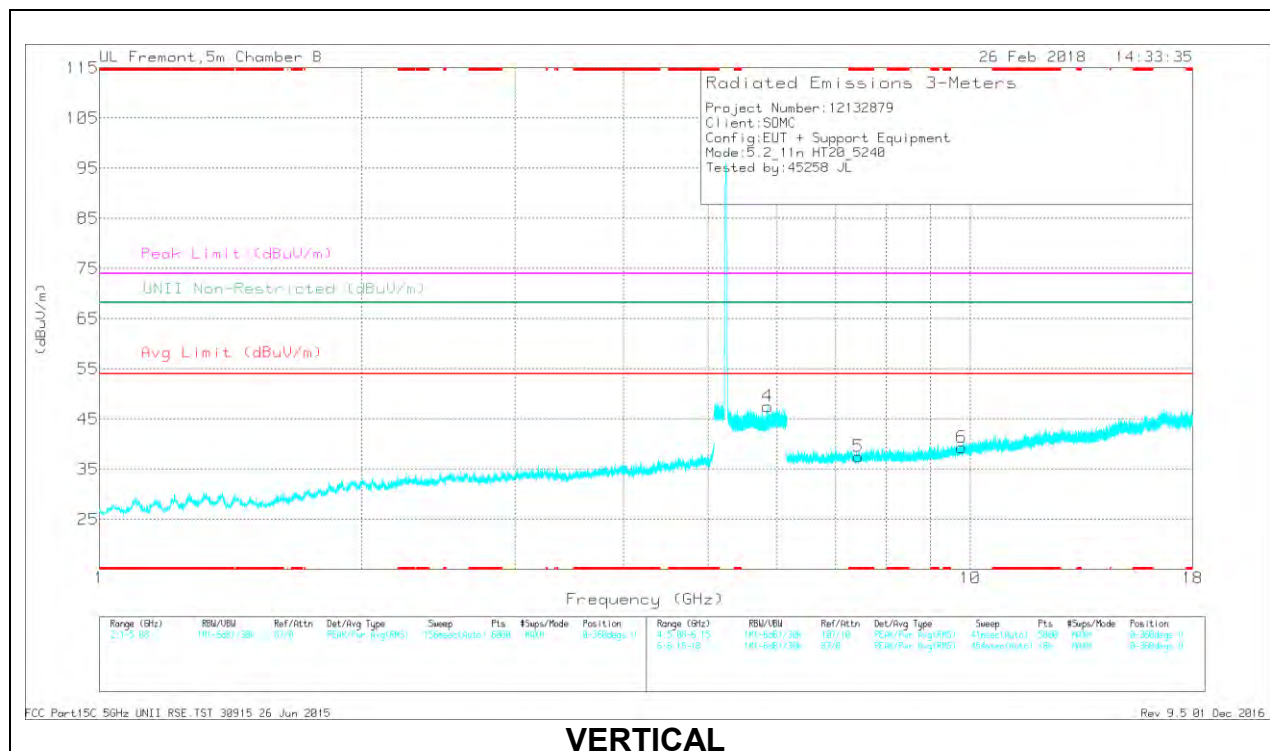
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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	* 1.319	41.76	PK-U	28.9	-34.1	0	36.56	-	-	74	-37.44	-	-	34	152	H
	* 1.318	30.68	ADR	28.9	-34.1	0	25.48	54	-28.52	-	-	-	-	34	152	H
3	* 4.685	39.29	PK-U	34.2	-30	0	43.49	-	-	74	-30.51	-	-	90	200	H
	* 4.688	28.03	ADR	34.2	-30.1	0	32.13	54	-21.87	-	-	-	-	90	200	H
5	* 7.439	37.11	PK-U	35.9	-28.6	0	44.41	-	-	74	-29.59	-	-	141	225	V
	* 7.44	26.06	ADR	35.9	-28.7	0	33.26	54	-20.74	-	-	-	-	141	225	V
2	3.063	40.15	PK-U	33.1	-32.1	0	41.15	-	-	-	-	68.2	-27.05	196	268	H
4	5.852	37.4	PK-U	35.1	-20	0	52.5	-	-	-	-	68.2	-15.7	249	231	V
6	9.779	34.39	PK-U	36.9	-25.6	0	45.69	-	-	-	-	68.2	-22.51	310	207	V

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

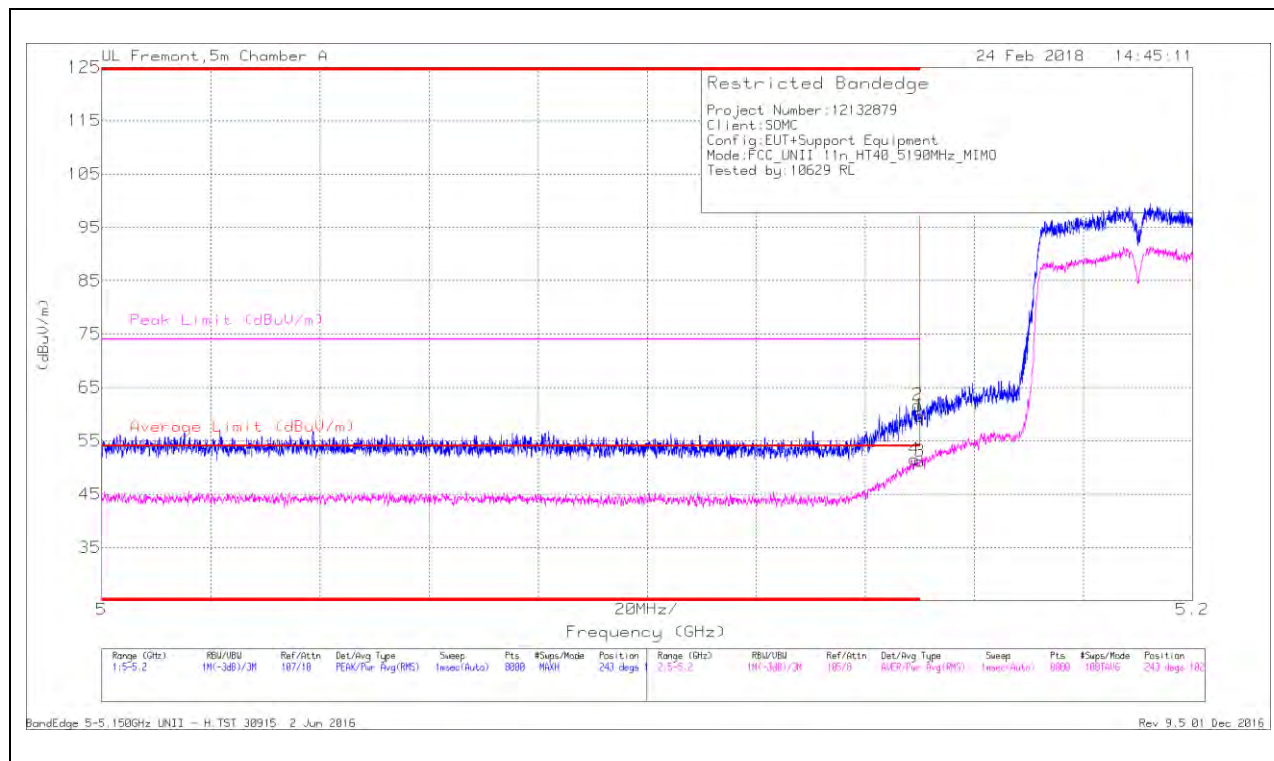
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.3. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

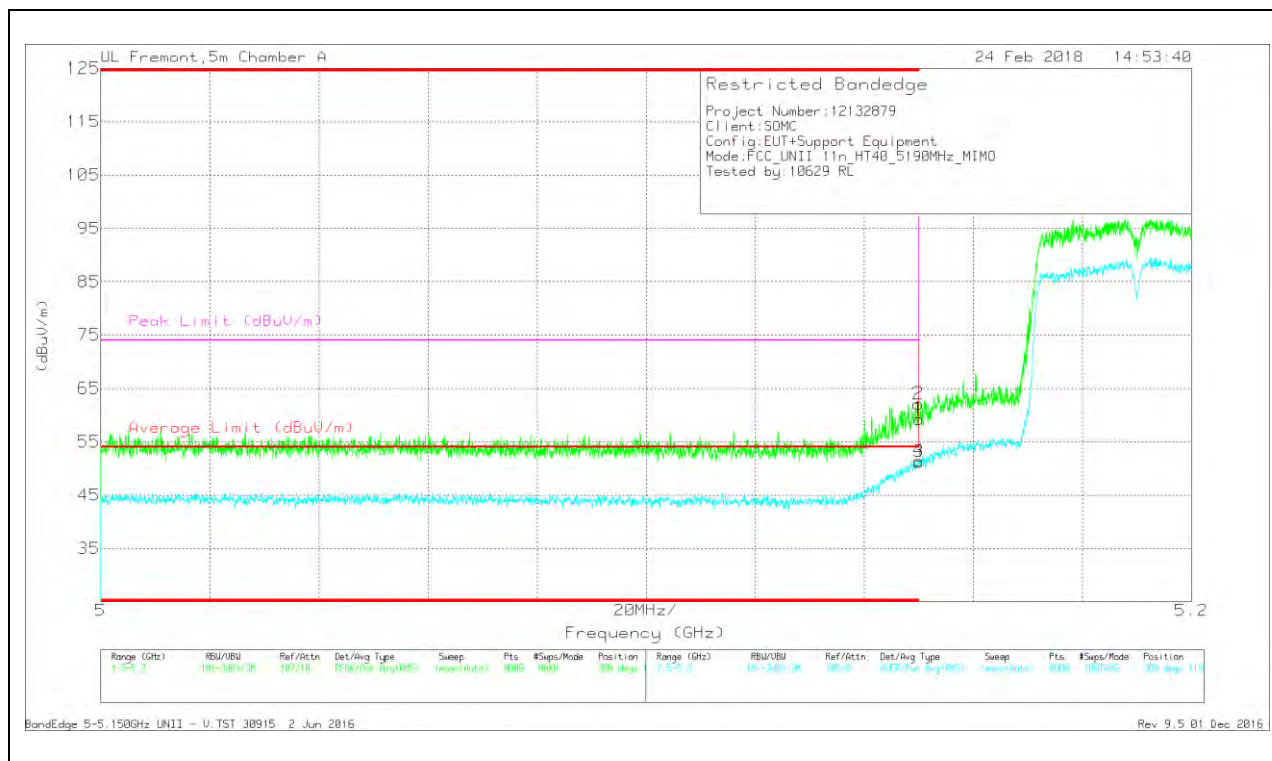
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT862 (dB/m)	Amp/Cb/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.149	35.28	RMS	34.4	-18.4	.26	51.54	54	-2.46	-	-	243	102	H
1	* 5.15	43.63	Pk	34.4	-18.4	0	59.63	-	-	74	-14.37	243	102	H
2	* 5.15	45.64	Pk	34.4	-18.4	0	61.64	-	-	74	-12.36	243	102	H
3	* 5.15	34.91	RMS	34.4	-18.4	.26	51.17	54	-2.83	-	-	243	102	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/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	43.29	Pk	34.4	-18.4	0	59.29	-	-	74	-14.71	308	119	V
2	* 5.15	46.1	Pk	34.4	-18.4	0	62.1	-	-	74	-11.9	308	119	V
3	* 5.15	34.98	RMS	34.4	-18.4	.26	51.24	54	-2.76	-	-	308	119	V
4	* 5.15	35.14	RMS	34.4	-18.4	.26	51.4	54	-2.6	-	-	308	119	V

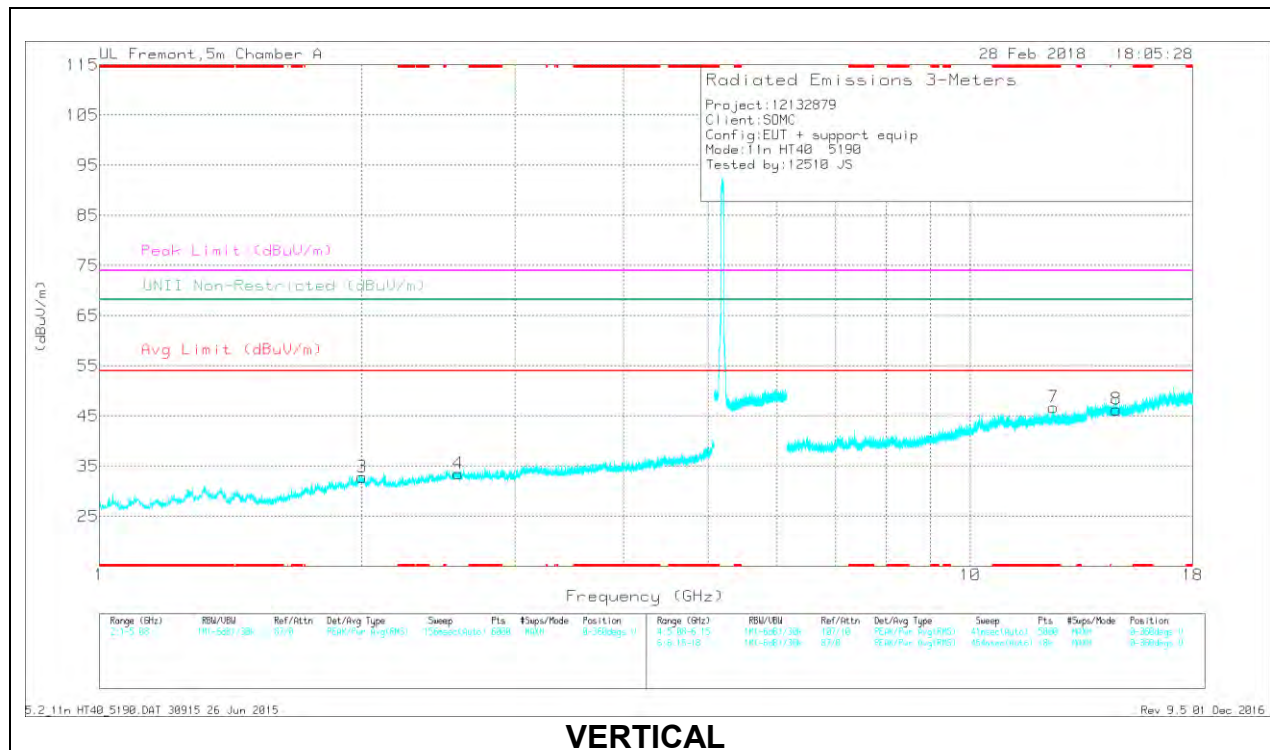
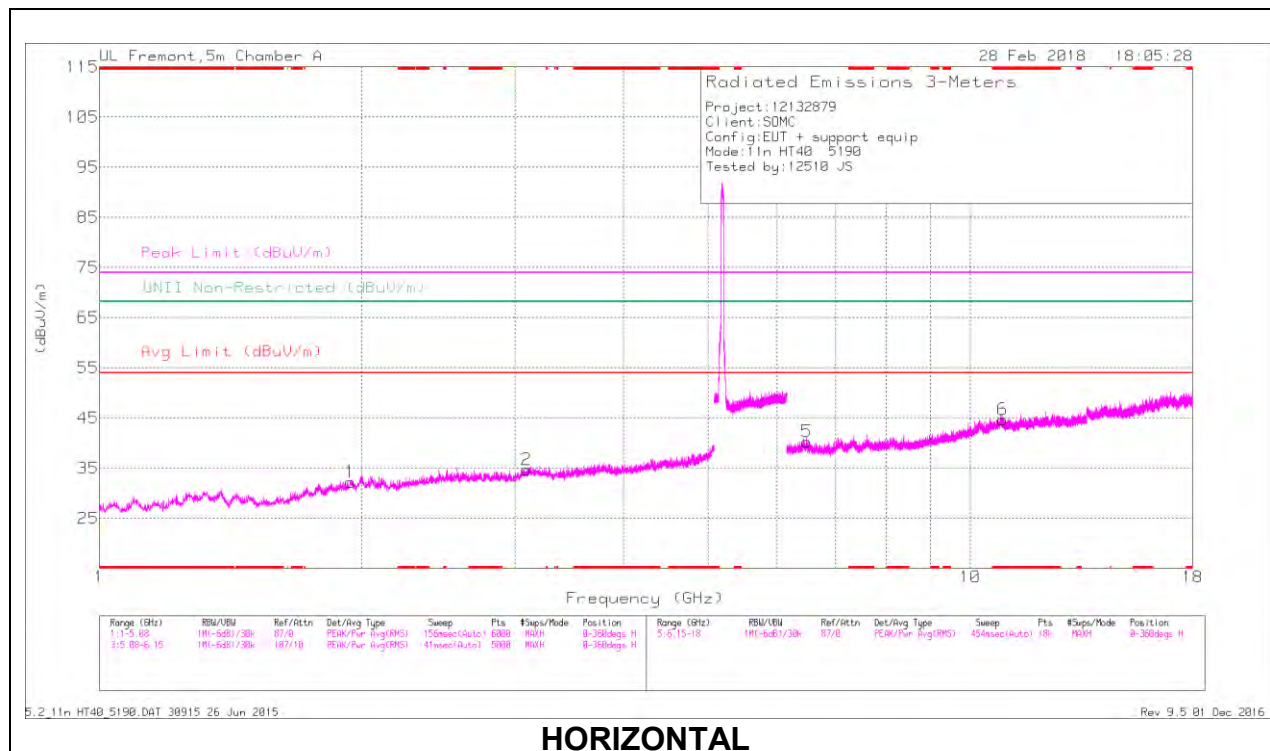
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

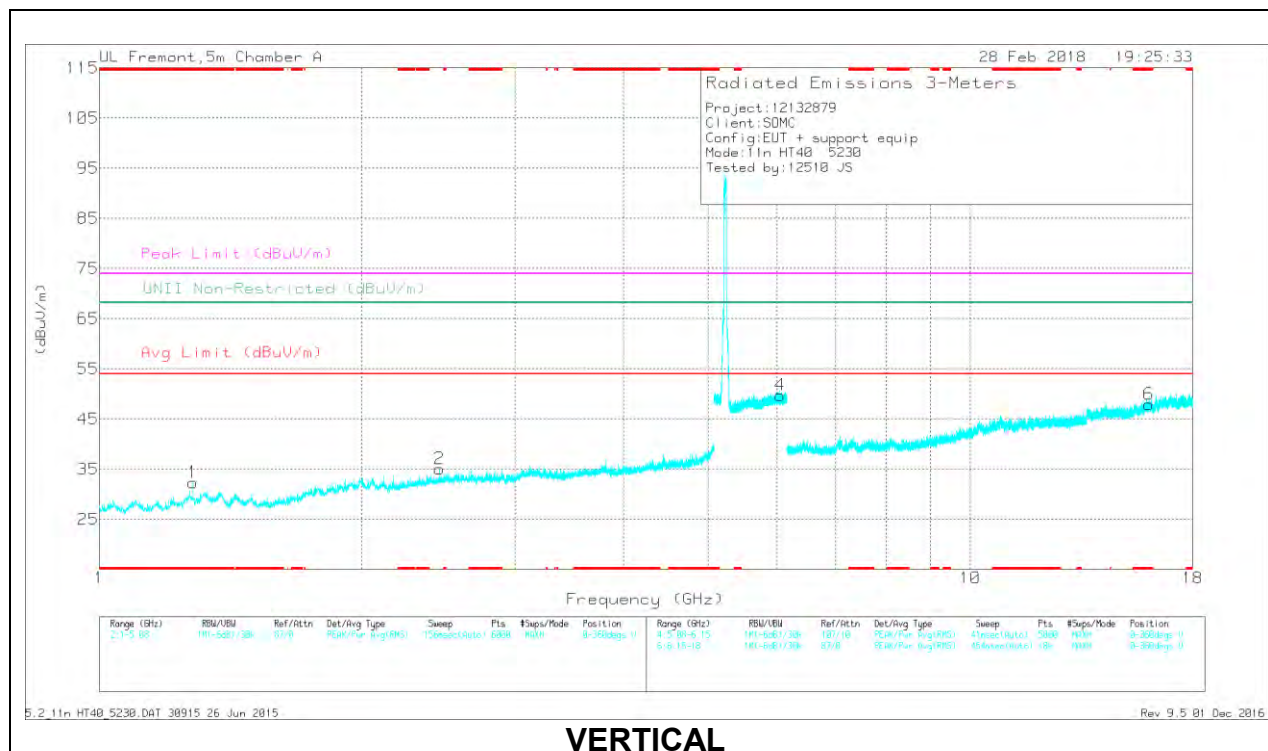
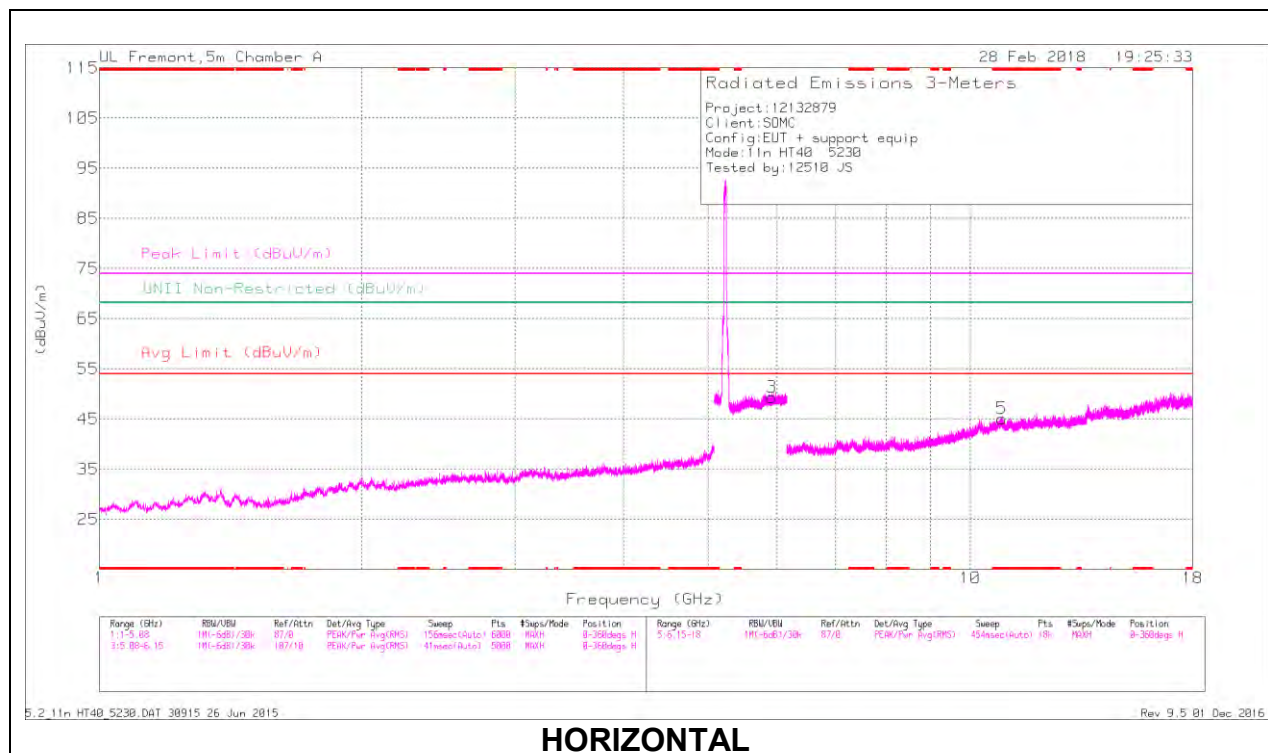
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
*6	10.895	31.59	PK-U	37.9	-18.9	0	50.59	-	-	74	-23.41	-	-	39	182	H
	10.895	21.07	ADR	37.9	-18.9	.26	40.33	54	-13.67	-	-	-	-	39	182	H
*7	12.457	31.78	PK-U	39	-19.2	0	51.58	-	-	74	-22.42	-	-	27	200	V
	12.457	20.79	ADR	39	-19.2	.26	40.85	54	-13.15	-	-	-	-	27	200	V
1	1.94	39.57	PK-U	31.3	-31.4	0	39.47	-	-	-	-	68.2	-28.73	78	195	H
3	2.002	40.01	PK-U	31.4	-30.8	0	40.61	-	-	-	-	68.2	-27.59	69	186	V
4	2.581	38.75	PK-U	32.4	-30.5	0	40.65	-	-	-	-	68.2	-27.55	58	174	V
2	3.097	37.31	PK-U	32.9	-29.3	0	40.91	-	-	-	-	68.2	-27.29	78	197	H
5	6.493	34	PK-U	35.7	-23.2	0	46.5	-	-	-	-	68.2	-21.7	61	199	H
8	14.711	32.64	PK-U	39.9	-19.4	0	53.14	-	-	-	-	68.2	-15.06	61	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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	* 1.281	39.84	PK-U	29.3	-32.5	0	36.64	-	-	74	-37.36	-	-	234	104	V
	* 1.279	27.92	ADR	29.3	-32.5	.26	24.98	54	-29.02	-	-	-	-	234	104	V
5	* 10.873	32.06	PK-U	37.9	-19.1	0	50.86	-	-	74	-23.14	-	-	322	162	H
	* 10.873	21.07	ADR	37.9	-19.1	.26	40.13	54	-13.87	-	-	-	-	322	162	H
6	* 16.038	33.48	PK-U	40.5	-18.9	0	55.08	-	-	74	-18.92	-	-	222	119	V
	* 16.041	21.78	ADR	40.5	-18.8	.26	43.74	54	-10.26	-	-	-	-	222	119	V
2	2.458	39.03	PK-U	32.2	-31	0	40.23	-	-	-	-	68.2	-27.97	189	119	V
3	5.917	38.8	PK-U	35.2	-18.3	0	55.7	-	-	-	-	68.2	-12.5	259	164	H
4	6.051	39	PK-U	35.4	-18	0	56.4	-	-	-	-	68.2	-11.8	23	106	V

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

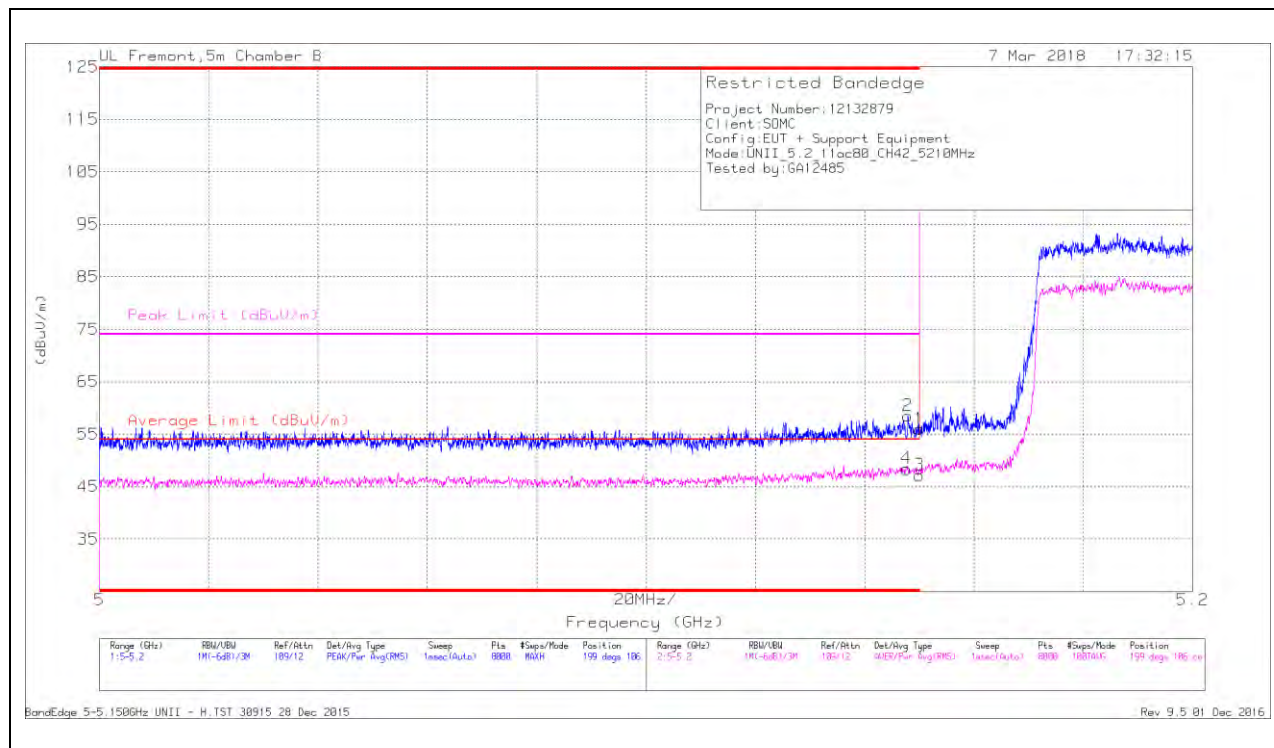
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.4. TX ABOVE 1 GHz 802.11ac VHT80 2TX CDD MODE IN THE 5.2 GHz BAND

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Trace Markers

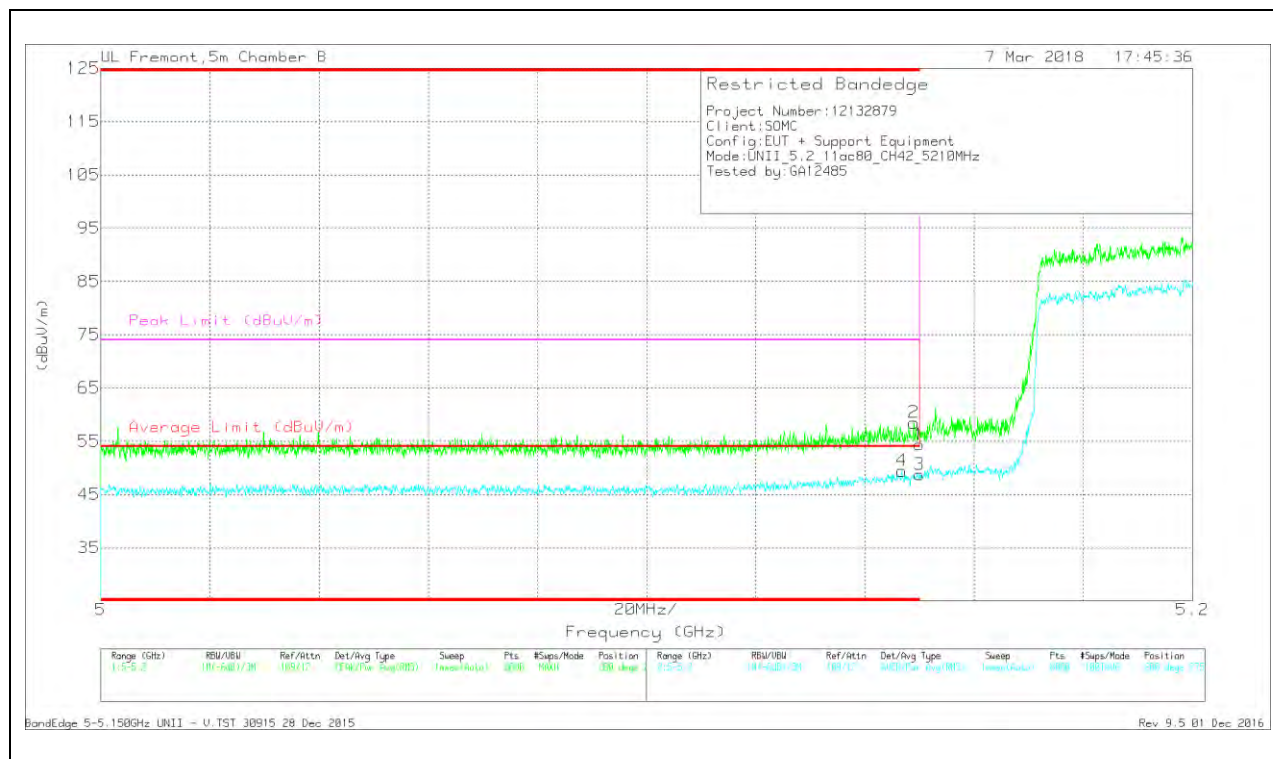
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cb/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.148	42.62	Pk	34.4	-18.5	0	58.52	-	-	74	-15.48	199	106	H
4	* 5.148	32.57	RMS	34.4	-18.6	.52	48.89	54	-5.11	-	-	199	106	H
1	* 5.15	40.1	Pk	34.4	-18.5	0	56	-	-	74	-18	199	106	H
3	* 5.15	31.33	RMS	34.4	-18.5	.52	47.75	54	-6.25	-	-	199	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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
4	* 5.147	33	RMS	34.4	-18.5	.52	49.42	54	-4.58	-	-	200	275	V
2	* 5.149	42.56	Pk	34.4	-18.5	0	58.46	-	-	74	-15.54	200	275	V
1	* 5.15	38.47	Pk	34.4	-18.5	0	54.37	-	-	74	-19.63	200	275	V
3	* 5.15	32.28	RMS	34.4	-18.5	.52	48.7	54	-5.3	-	-	200	275	V

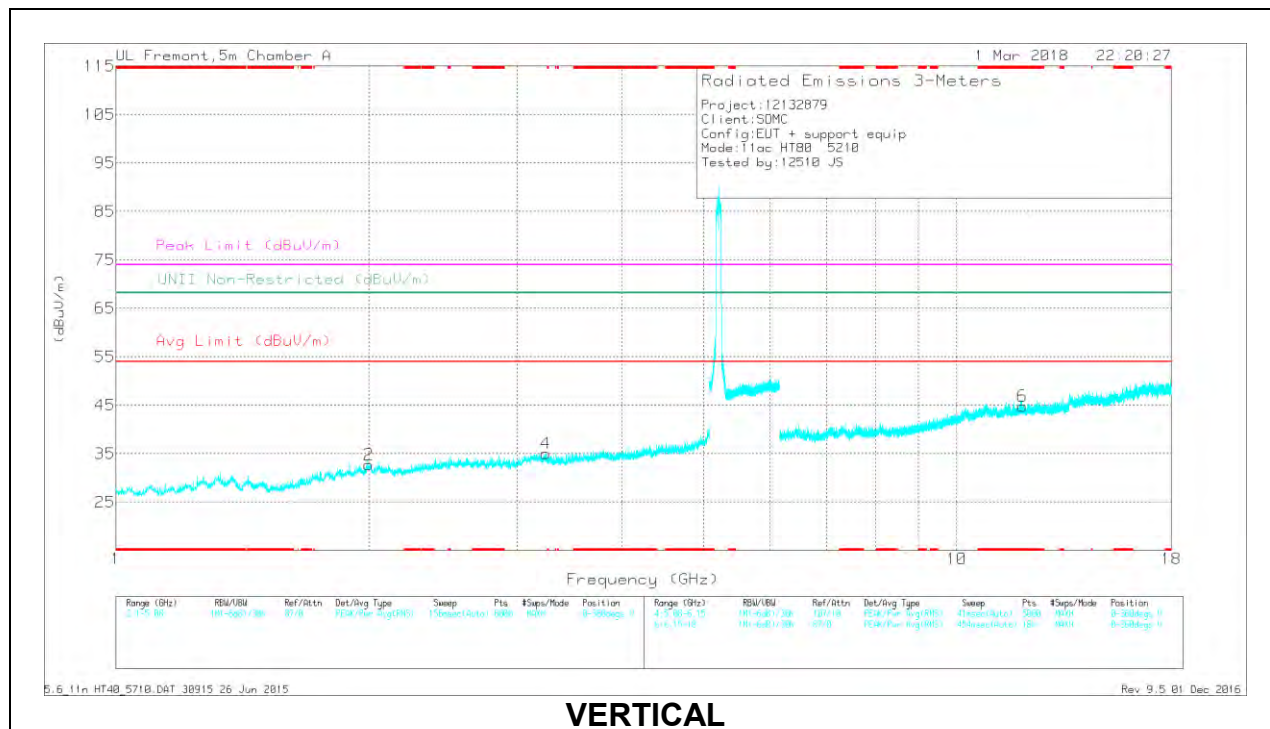
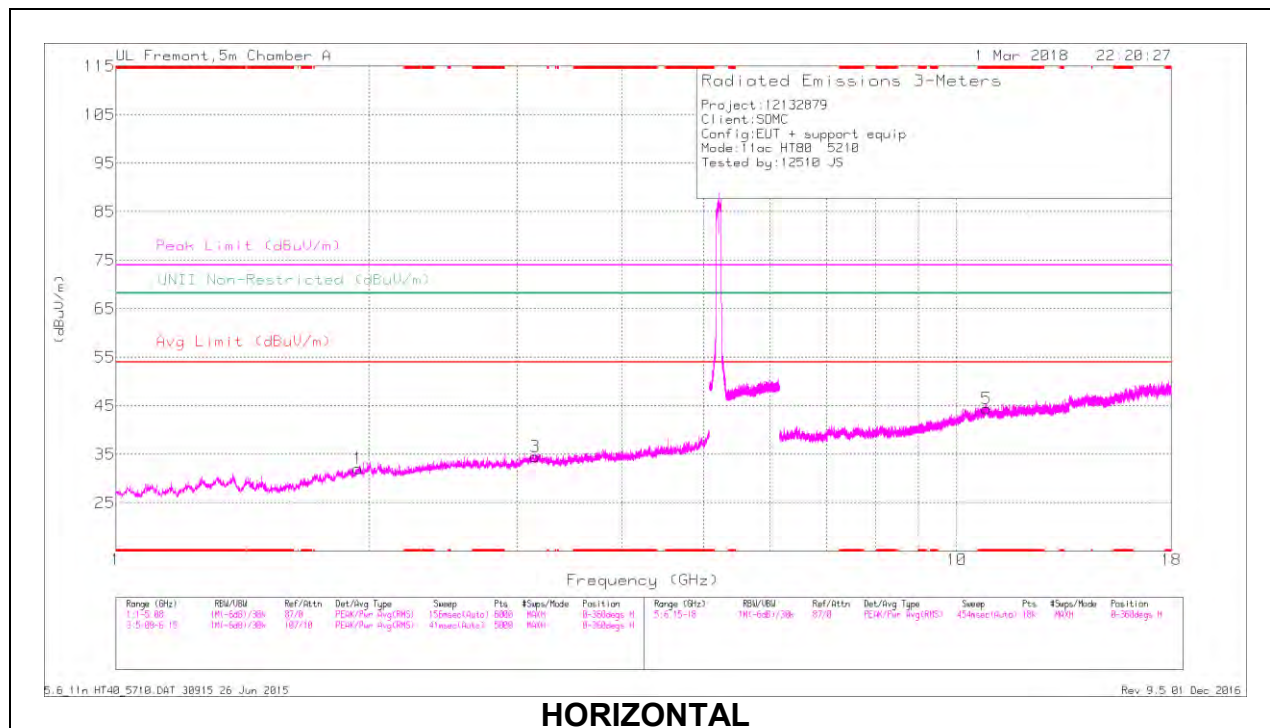
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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
5	* 10.853	31.62	PK-U	37.9	-18.6	0	50.92	-	-	74	-23.08	-	-	46	141	H
	* 10.852	20.15	ADR	37.9	-18.5	.52	40.07	54	-13.93	-	-	-	-	46	141	H
6	* 11.972	31.87	PK-U	38.9	-19.7	0	51.07	-	-	74	-22.93	-	-	8	220	V
	* 11.973	20.1	ADR	38.9	-19.6	.52	39.92	54	-14.08	-	-	-	-	8	220	V
1	1.939	39.71	PK-U	31.3	-31.4	0	39.61	-	-	-	-	68.2	-28.59	165	380	H
2	1.997	38.83	PK-U	31.4	-30.9	0	39.33	-	-	-	-	68.2	-28.87	240	293	V
3	3.154	37.96	PK-U	32.8	-29.2	0	41.56	-	-	-	-	68.2	-26.64	321	285	H
4	3.251	38.33	PK-U	33	-30	0	41.33	-	-	-	-	68.2	-26.87	41	216	V

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

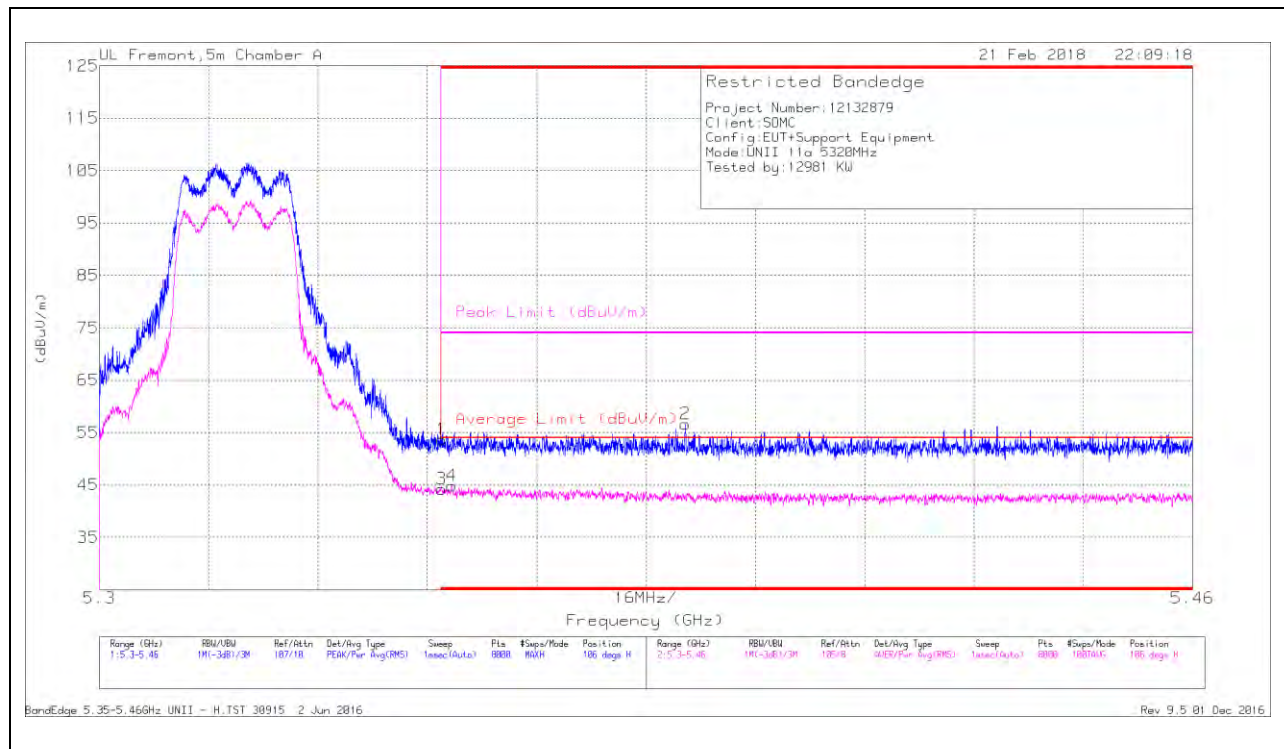
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.5. TX ABOVE 1 GHz 802.11a 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

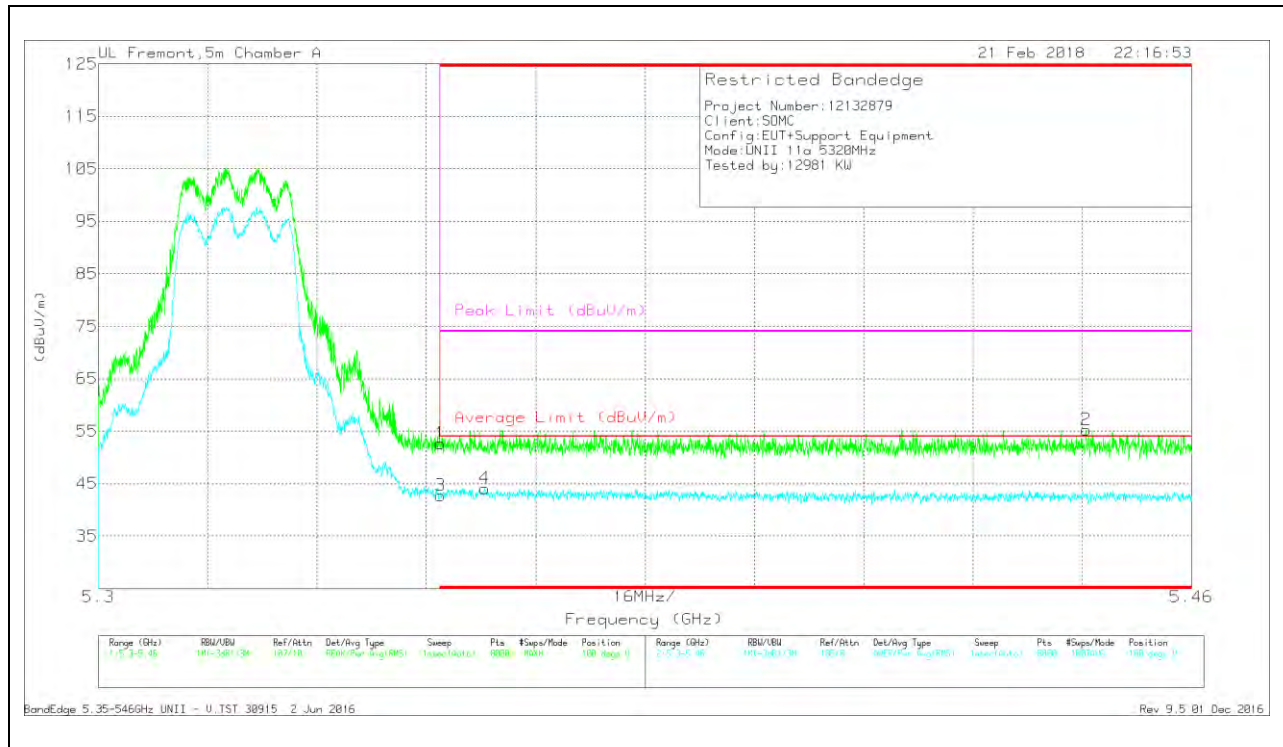
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.57	Pk	34.6	-18.5	0	53.67	-	-	74	-20.33	106	207	H
2	* 5.386	40.54	Pk	34.6	-18.5	0	56.64	-	-	74	-17.36	106	207	H
3	* 5.35	28.06	RMS	34.6	-18.5	0	44.16	54	-9.84	-	-	106	207	H
4	* 5.352	28.7	RMS	34.6	-18.5	0	44.8	54	-9.2	-	-	106	207	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	36.51	Pk	34.6	-18.5	0	52.61	-	-	74	-21.39	100	295	V
3	* 5.35	26.6	RMS	34.6	-18.5	0	42.7	54	-11.3	-	-	100	295	V
4	* 5.357	28	RMS	34.6	-18.5	0	44.1	54	-9.9	-	-	100	295	V
2	* 5.445	39.09	Pk	34.7	-18.5	0	55.29	-	-	74	-18.71	100	295	V

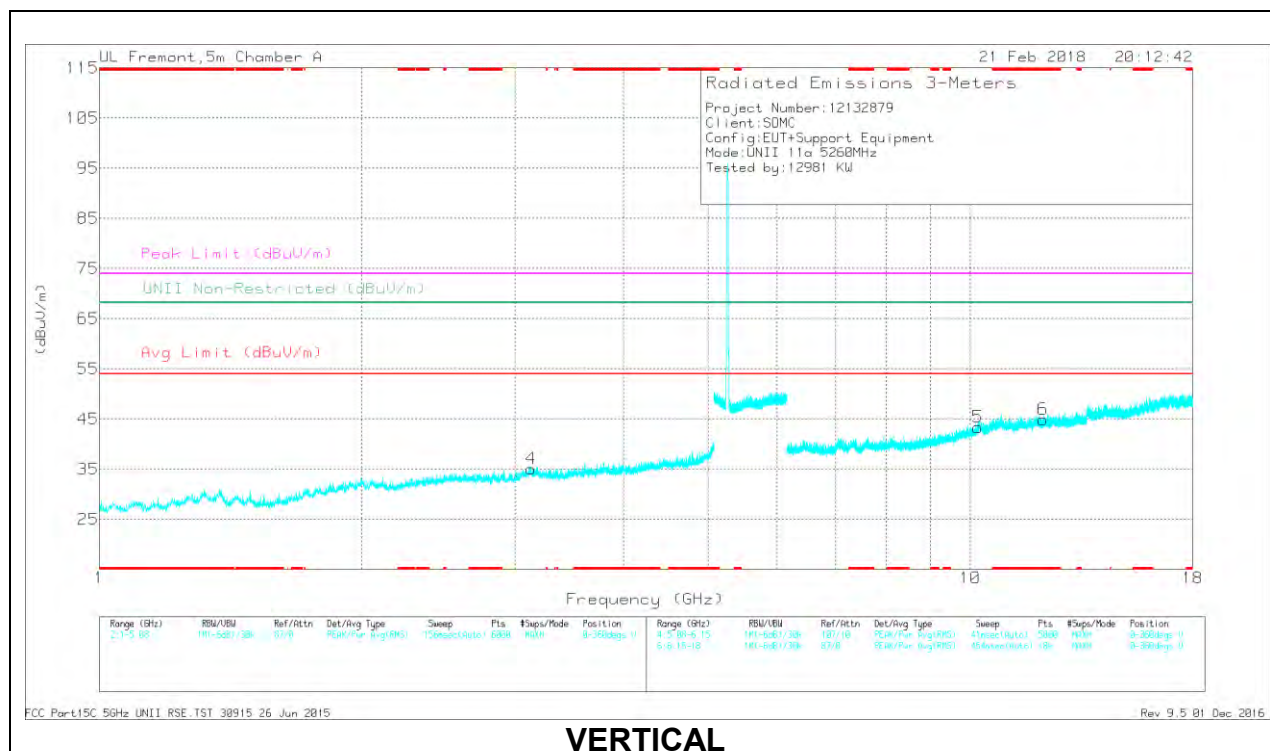
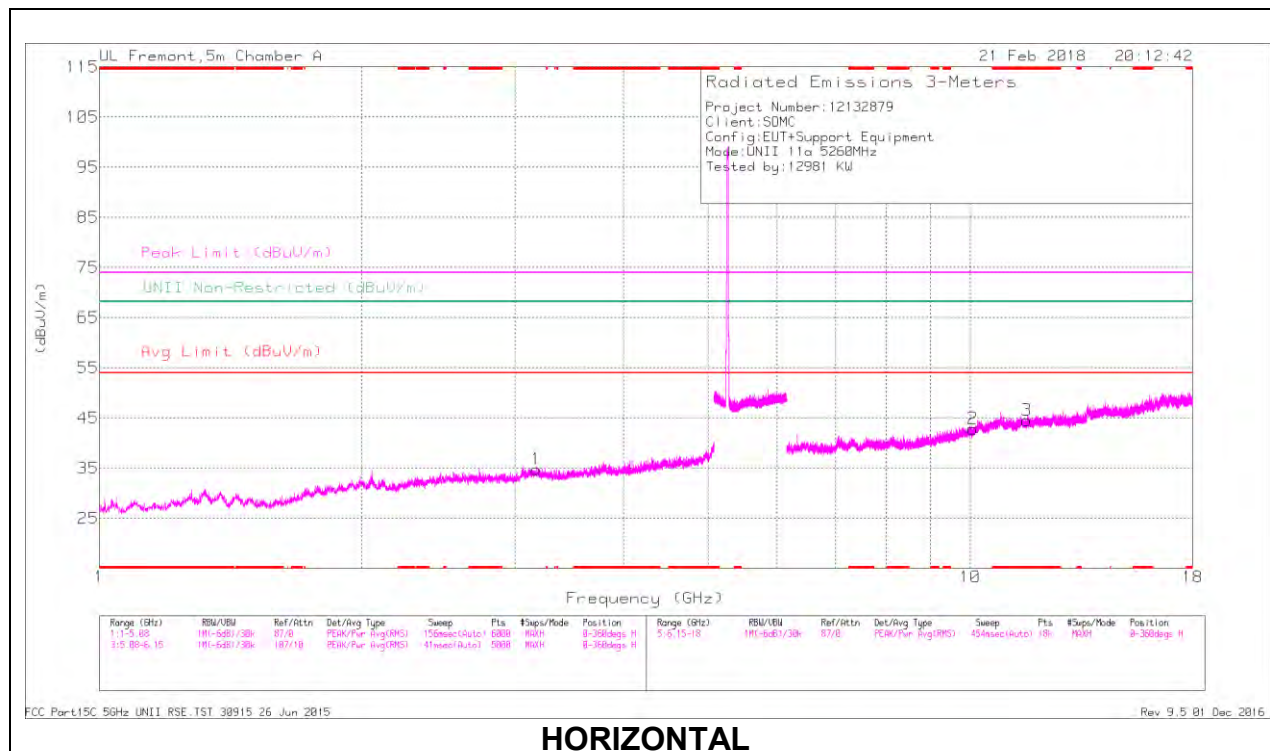
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

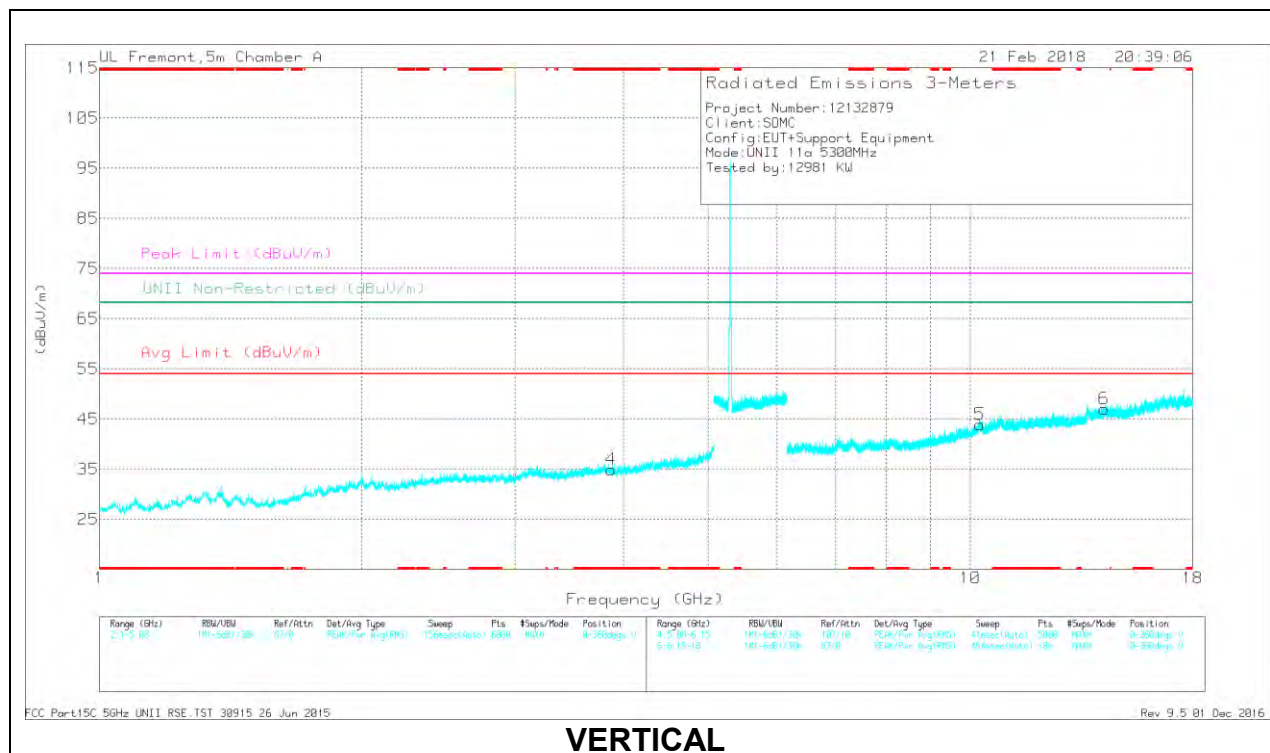
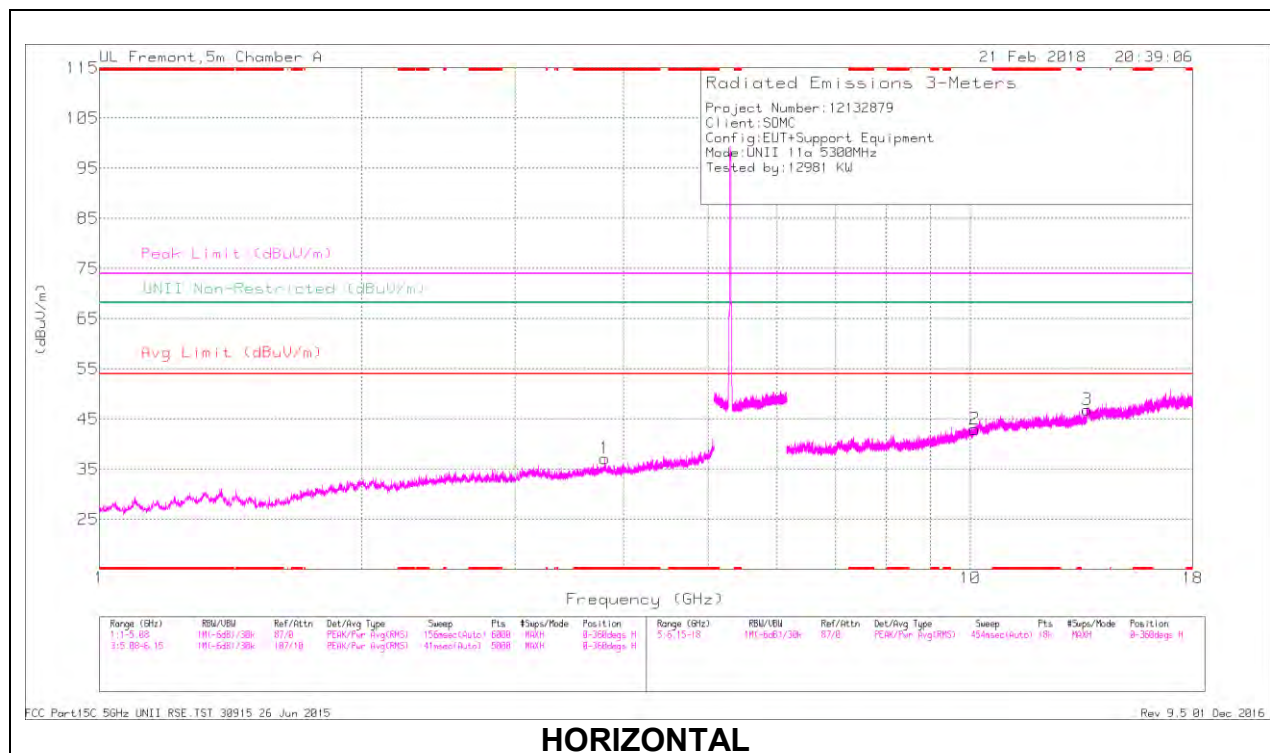
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 11.602	32.71	PK-U	38.5	-20	0	51.21	-	-	74	-22.79	-	-	86	118	H
	* 11.603	21.38	ADR	38.5	-20	0	39.88	54	-14.12	-	-	-	-	86	118	H
6	* 12.118	32.07	PK-U	39	-20	0	51.07	-	-	74	-22.93	-	-	226	129	V
	* 12.118	21.25	ADR	39	-20	0	40.25	54	-13.75	-	-	-	-	226	129	V
4	3.128	38.51	PK-U	32.8	-28.9	0	42.41	-	-	-	-	68.2	-25.79	64	164	V
1	3.173	38.64	PK-U	32.9	-29.3	0	42.24	-	-	-	-	68.2	-25.96	135	115	H
2	10.063	32.84	PK-U	37.4	-20.7	0	49.54	-	-	-	-	68.2	-18.66	20	122	H
5	10.203	32.66	PK-U	37.4	-20.3	0	49.76	-	-	-	-	68.2	-18.44	9	137	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

MID CHANNEL RESULTS



RADIATED EMISSIONS

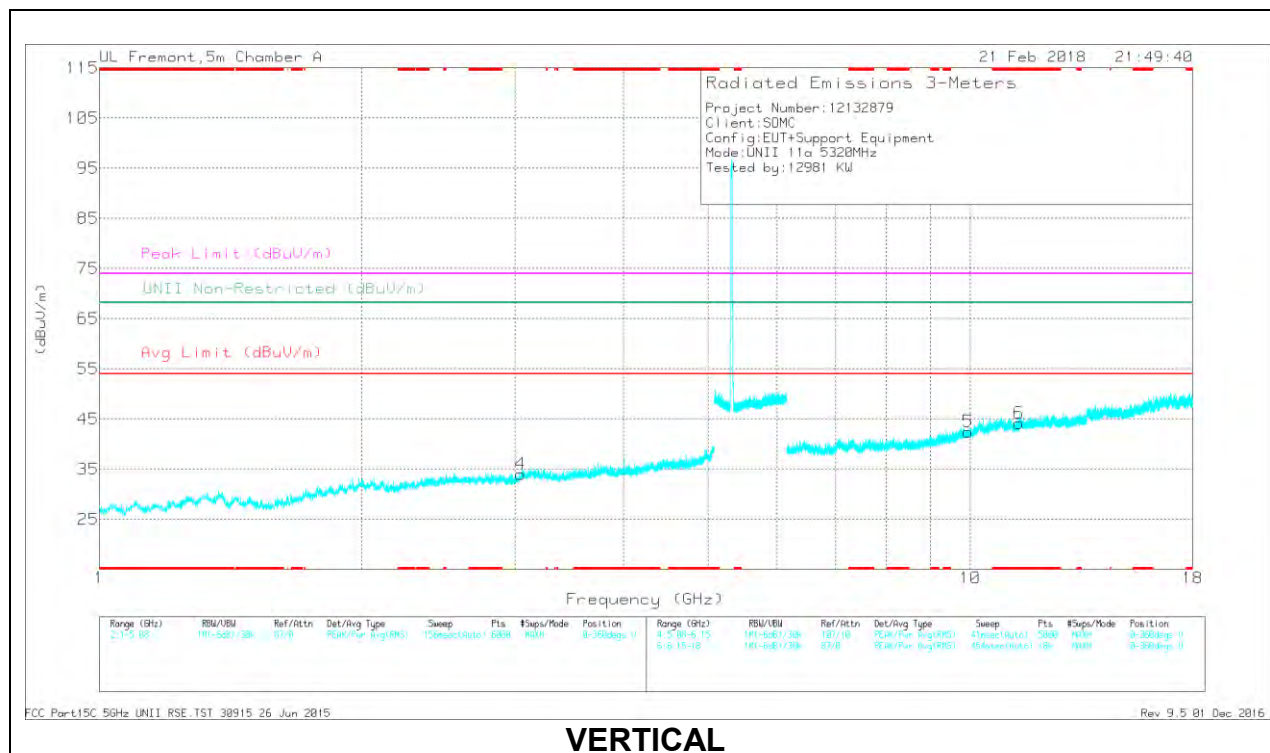
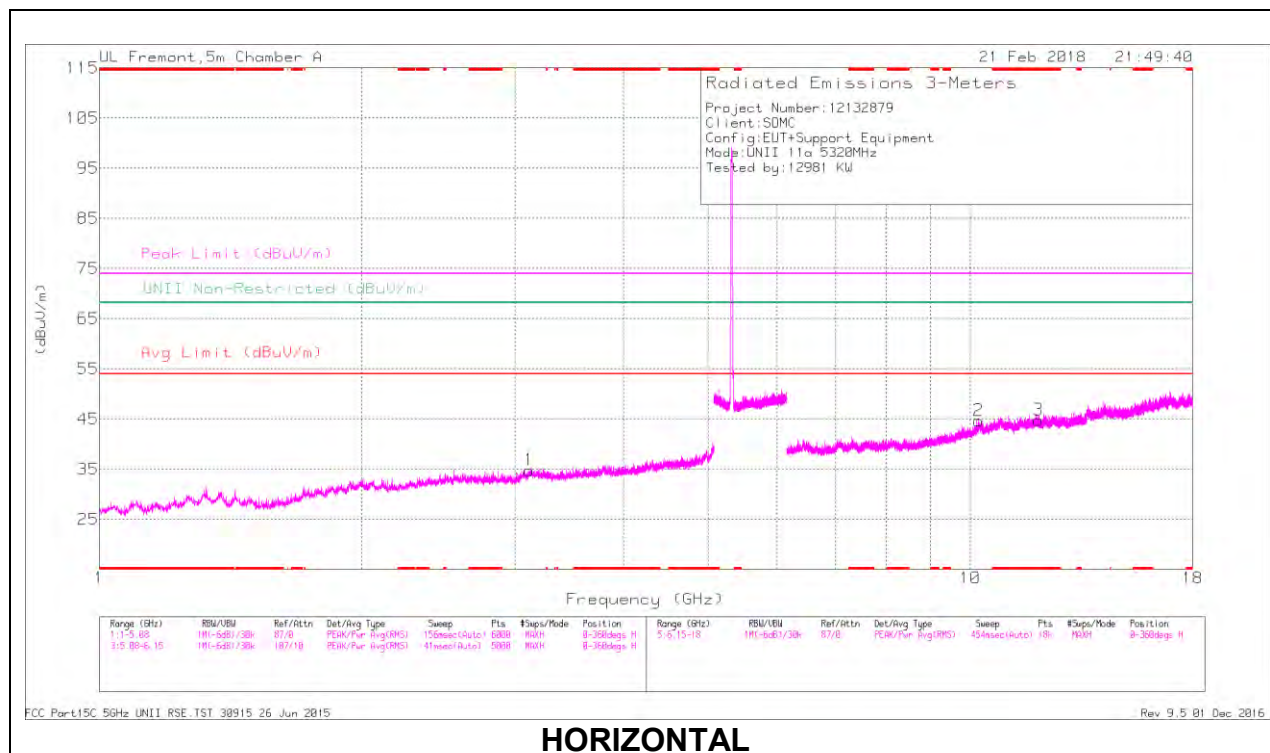
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.804	37.76	PK-U	33.2	-28.3	0	42.66	-	-	74	-31.34	-	-	9	181	H
	* 3.801	26.19	ADR	33.2	-28.3	0	31.09	54	-22.91	-	-	-	-	9	181	H
4	* 3.873	38.19	PK-U	33	-29	0	42.19	-	-	74	-31.81	-	-	220	170	V
	* 3.87	26.33	ADR	33	-28.9	0	30.43	54	-23.57	-	-	-	-	220	170	V
2	10.111	32.66	PK-U	37.5	-20.7	0	49.46	-	-	-	-	68.2	-18.74	116	165	H
5	10.255	32.14	PK-U	37.5	-19.3	0	50.34	-	-	-	-	68.2	-17.86	85	177	V
3	13.622	33.51	PK-U	39.2	-19.3	0	53.41	-	-	-	-	68.2	-14.79	264	222	H
6	14.245	33.15	PK-U	39.6	-18.8	0	53.95	-	-	-	-	68.2	-14.25	302	161	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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
3	* 11.973	32.33	PK-U	38.9	-19.6	0	51.63	-	-	74	-22.37	-	-	99	173	H
	* 11.974	21.14	ADR	38.9	-19.6	0	40.44	54	-13.56	-	-	-	-	99	173	H
6	* 11.366	32.02	PK-U	38.2	-19.5	0	50.72	-	-	74	-23.28	-	-	250	138	V
	* 11.367	20.98	ADR	38.2	-19.5	0	39.68	54	-14.32	-	-	-	-	250	138	V
4	3.045	38.58	PK-U	32.7	-29.9	0	41.38	-	-	-	-	68.2	-26.82	116	208	V
1	3.111	38.13	PK-U	32.9	-29.1	0	41.93	-	-	-	-	68.2	-26.27	231	301	H
5	9.944	32.77	PK-U	37.2	-20.7	0	49.27	-	-	-	-	68.2	-18.93	7	193	V
2	10.219	32.69	PK-U	37.5	-19.7	0	50.49	-	-	-	-	68.2	-17.71	26	105	H

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

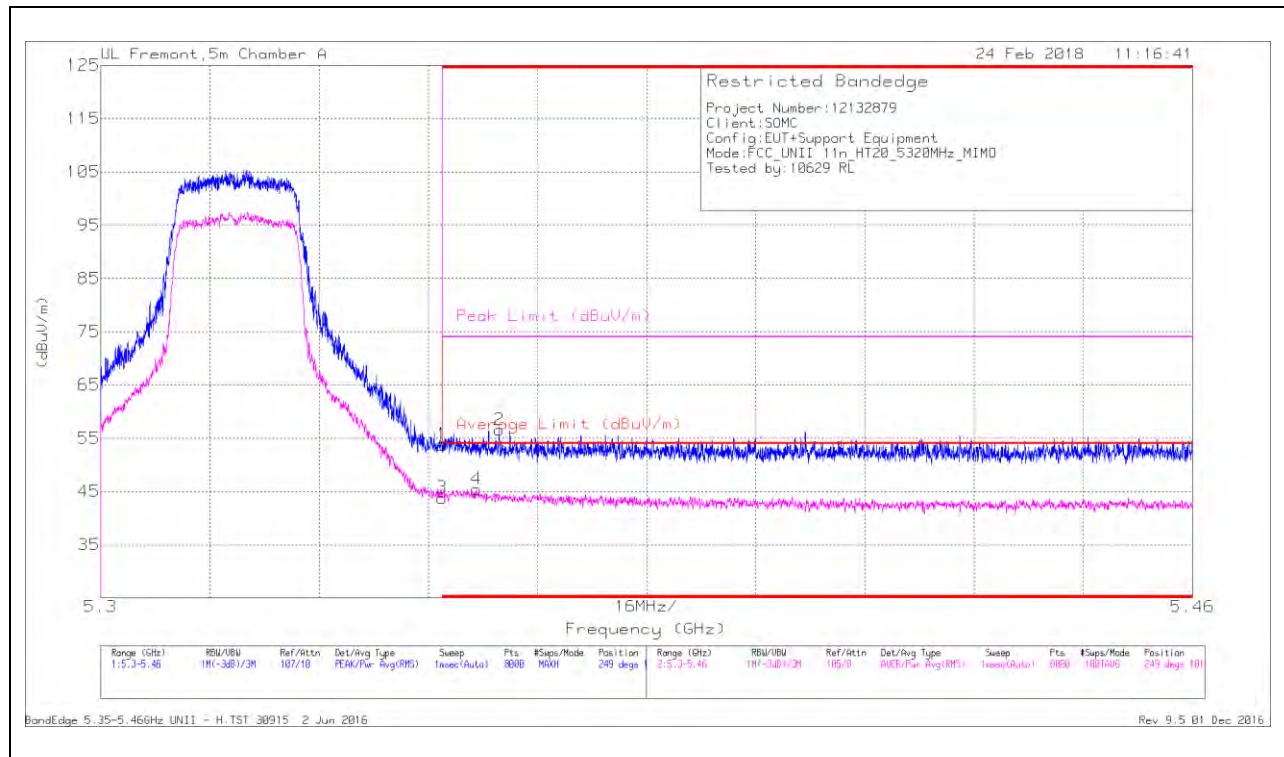
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.6. TX ABOVE 1 GHz 802.11n HT20 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

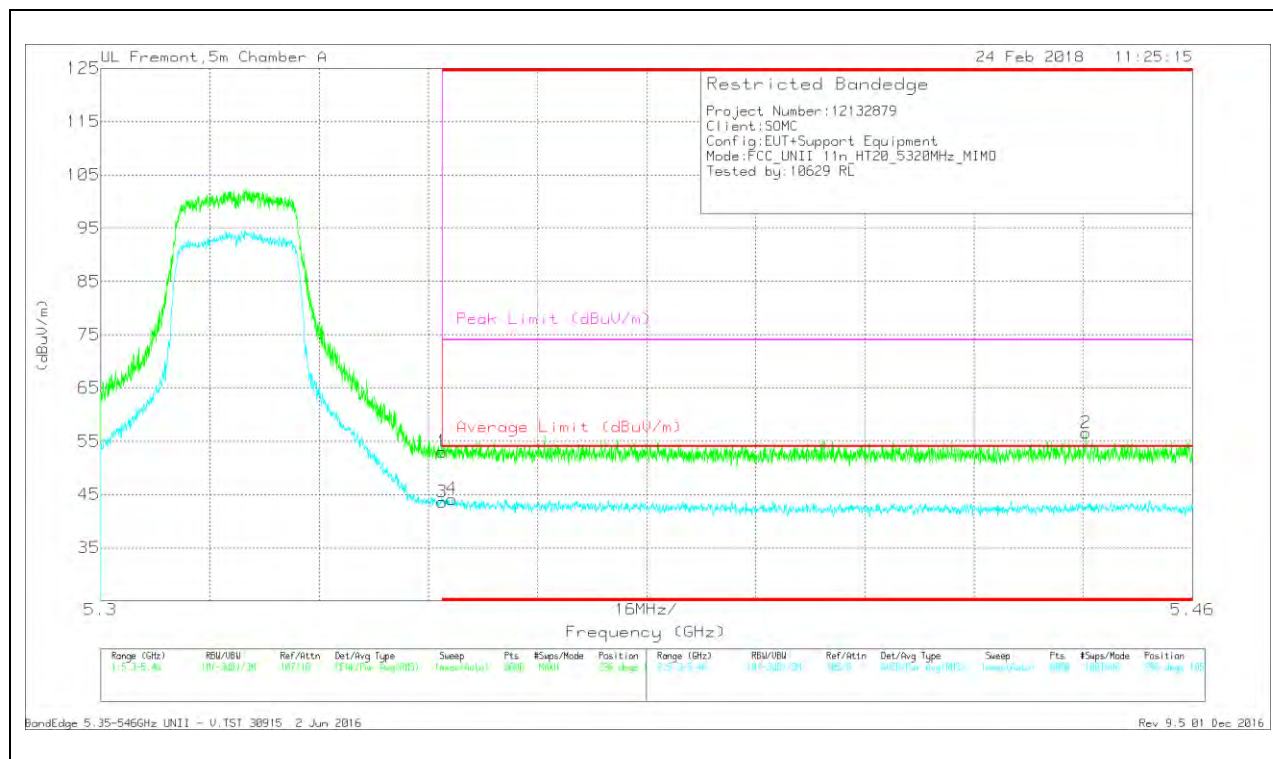
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.73	Pk	34.6	-18.5	0	53.83	-	-	74	-20.17	249	101	H
3	* 5.35	27.67	RMS	34.6	-18.5	0	43.77	54	-10.23	-	-	249	101	H
4	* 5.355	29.2	RMS	34.6	-18.4	0	45.4	54	-8.6	-	-	249	101	H
2	* 5.358	40.45	Pk	34.6	-18.5	0	56.55	-	-	74	-17.45	249	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/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	36.91	Pk	34.6	-18.5	0	53.01	-	-	74	-20.99	296	105	V
3	* 5.35	27.51	RMS	34.6	-18.5	0	43.61	54	-10.39	-	-	296	105	V
4	* 5.351	28.06	RMS	34.6	-18.5	0	44.16	54	-9.84	-	-	296	105	V
2	* 5.444	40.33	Pk	34.7	-18.5	0	56.53	-	-	74	-17.47	296	105	V

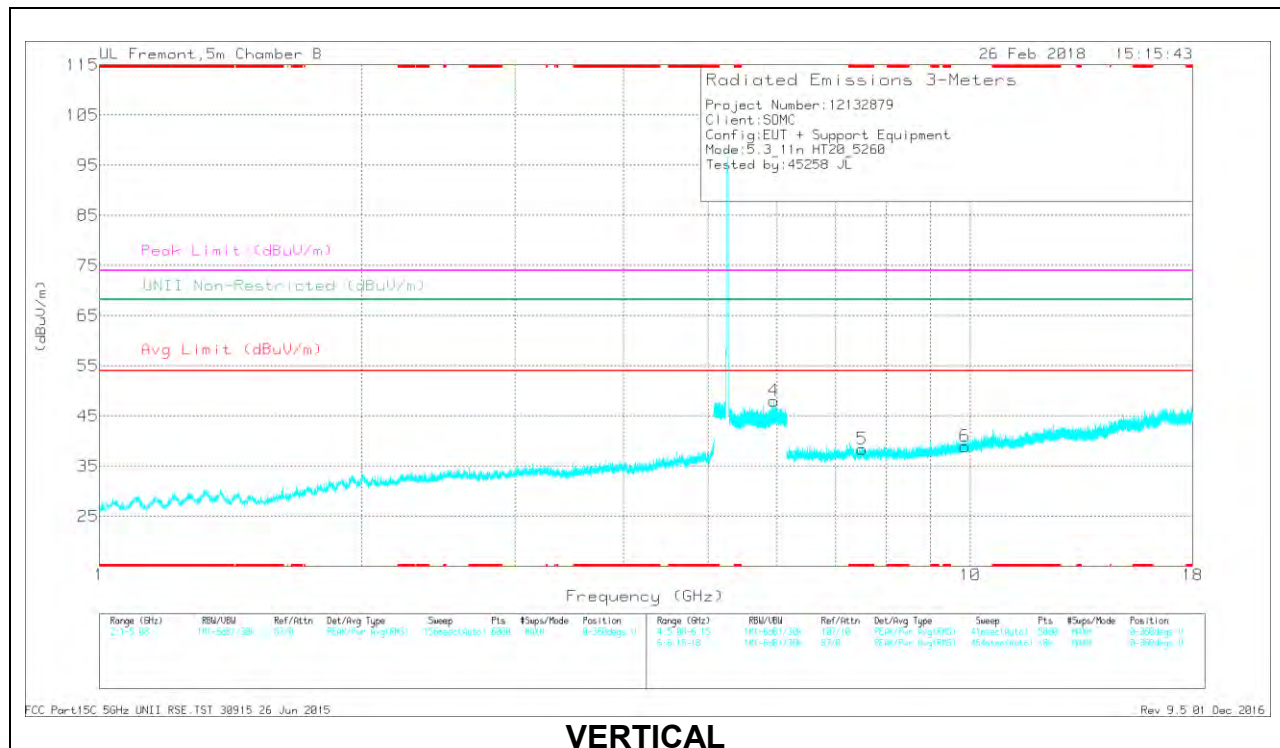
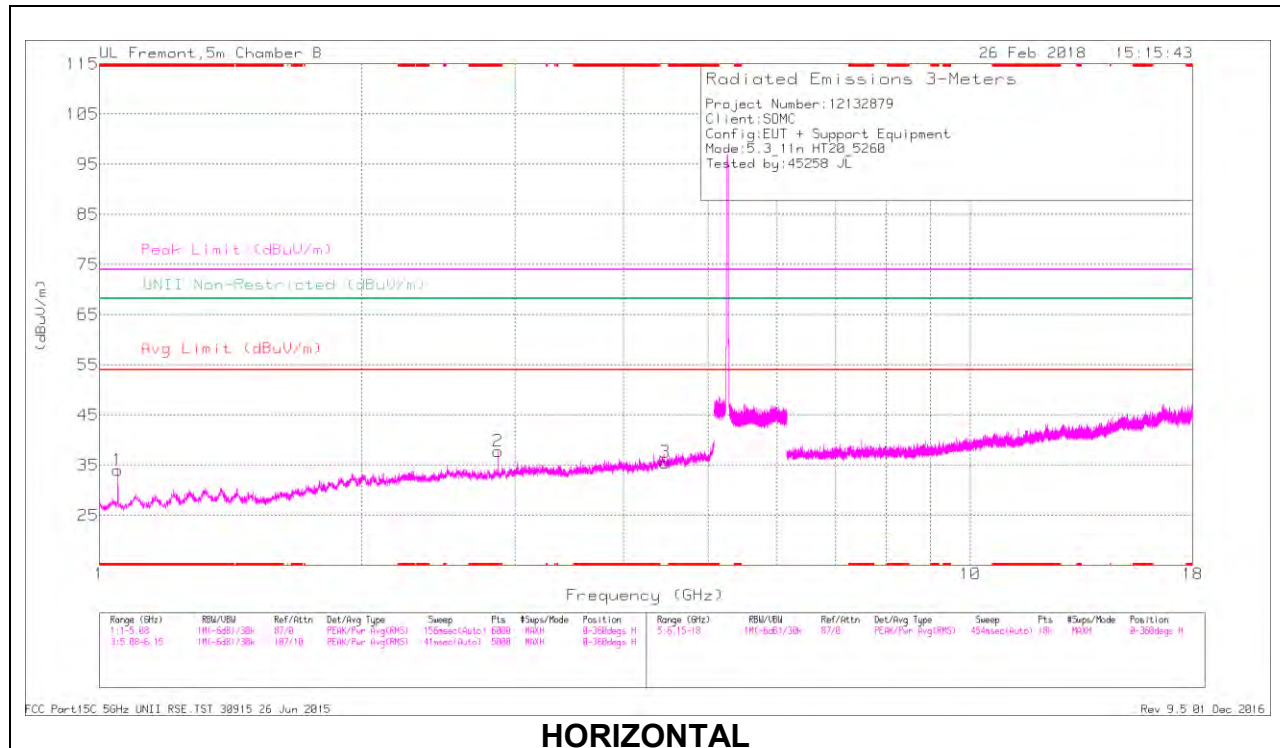
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

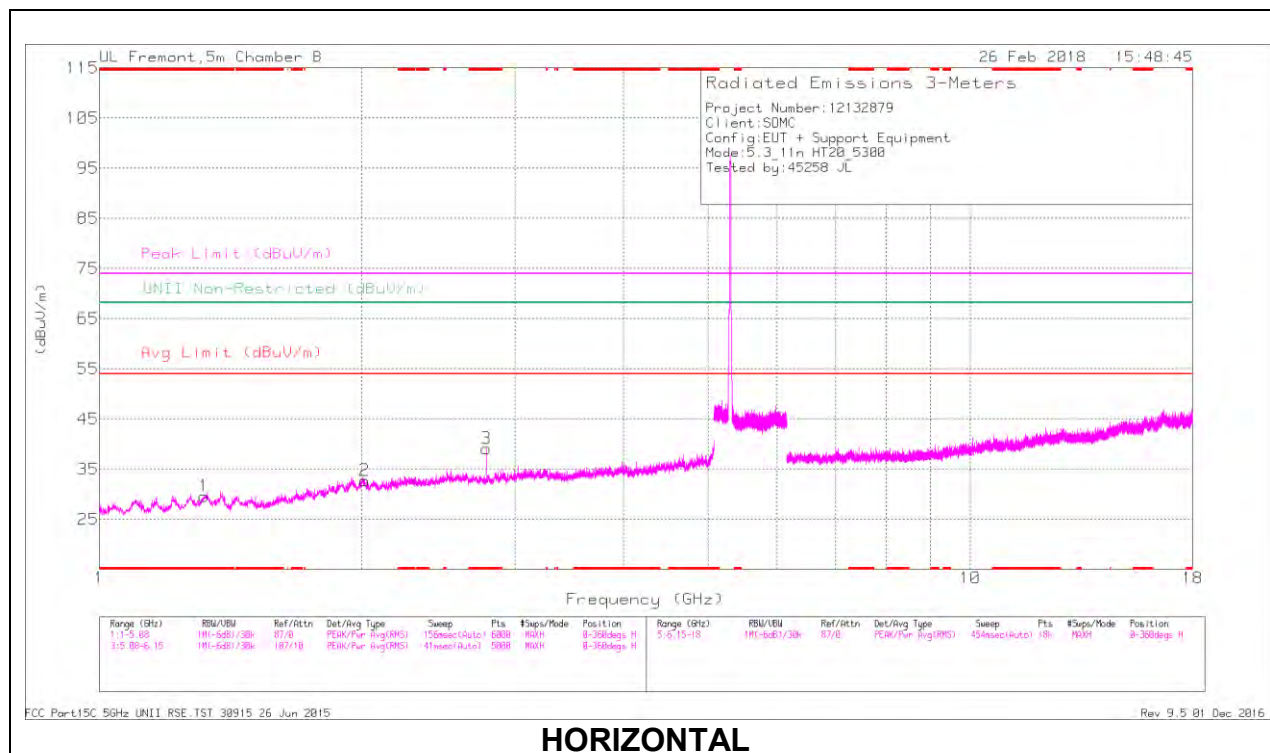
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.045	42.07	PK-U	27	-34.6	0	34.47	-	-	74	-39.53	-	-	326	156	H
	* 1.046	30.61	ADR	27	-34.6	0	23.01	54	-30.99	-	-	-	-	326	156	H
2	* 2.87	40.66	PK-U	32.4	-32.1	0	40.96	-	-	74	-33.04	-	-	292	193	H
	* 2.869	28.58	ADR	32.4	-32.1	0	28.88	54	-25.12	-	-	-	-	292	193	H
5	* 7.514	36.46	PK-U	36	-27.8	0	44.66	-	-	74	-29.34	-	-	260	214	V
	* 7.514	25.48	ADR	36	-27.8	0	33.68	54	-20.32	-	-	-	-	260	214	V
3	4.461	38.69	PK-U	33.8	-30.1	0	42.39	-	-	-	-	68.2	-25.81	147	237	H
4	5.952	38.15	PK-U	35.2	-19.9	0	53.45	-	-	-	-	68.2	-14.75	151	222	V
6	9.855	33.96	PK-U	37	-25.1	0	45.86	-	-	-	-	68.2	-22.34	108	184	V

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

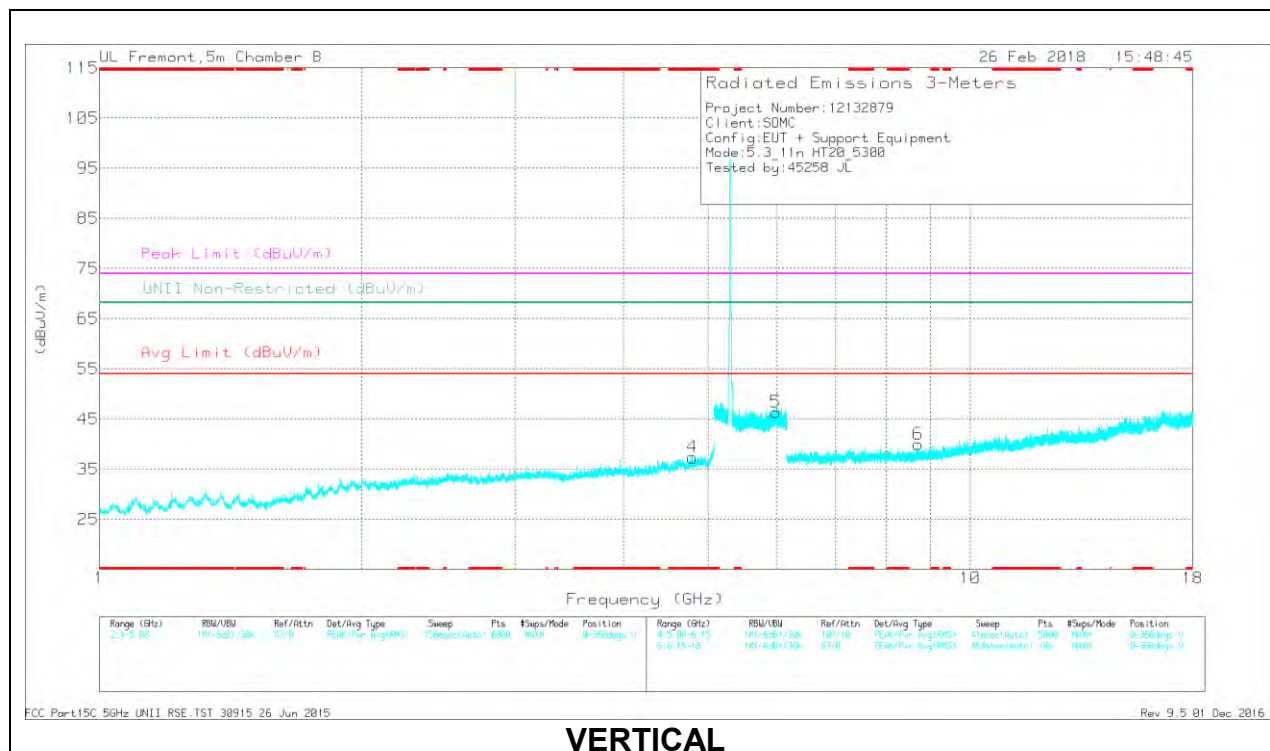
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

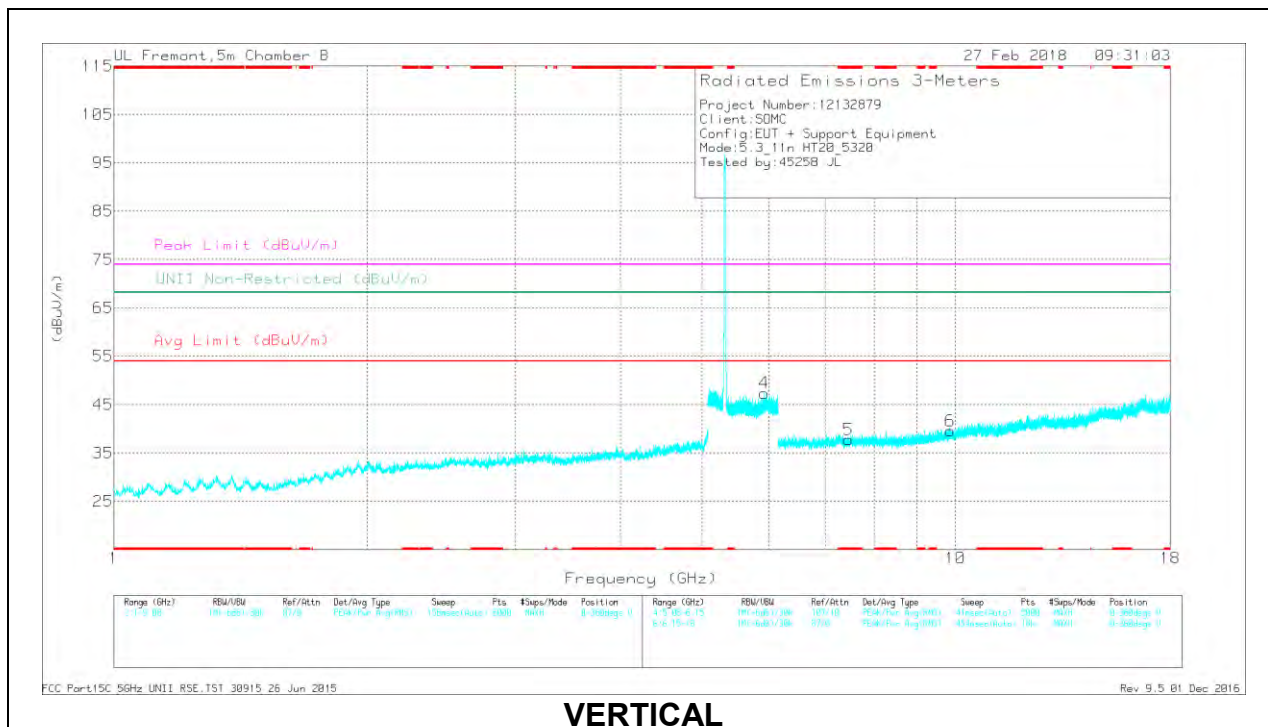
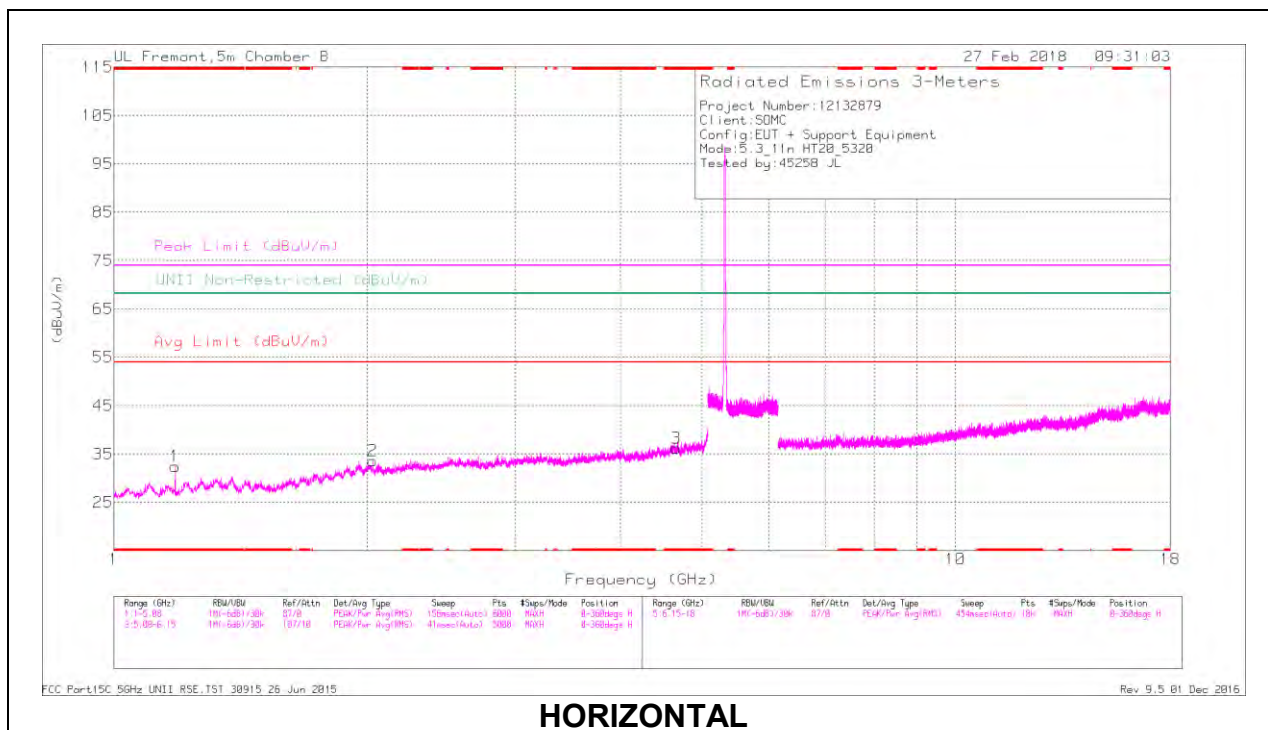
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.32	42.53	PK-U	28.9	-34.1	0	37.33	-	-	74	-36.67	-	-	14	157	H
	* 1.321	30.59	ADR	28.9	-34.1	0	25.39	54	-28.61	-	-	-	-	14	157	H
3	* 2.782	40.53	PK-U	32.4	-32.9	0	40.03	-	-	74	-33.97	-	-	80	196	H
	* 2.78	29.03	ADR	32.3	-32.9	0	28.43	54	-25.57	-	-	-	-	80	196	H
4	* 4.794	39.35	PK-U	34.4	-30.5	0	43.25	-	-	74	-30.75	-	-	145	227	V
	* 4.792	28.19	ADR	34.4	-30.5	0	32.09	54	-21.91	-	-	-	-	145	227	V
2	2.014	41.16	PK-U	31.3	-32.7	0	39.76	-	-	-	-	68.2	-28.44	191	283	H
5	5.978	38.72	PK-U	35.3	-19.8	0	54.22	-	-	-	-	68.2	-13.98	214	312	V
6	8.71	35.76	PK-U	36.1	-26.7	0	45.16	-	-	-	-	68.2	-23.04	236	290	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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	* 1.183	40.9	PK-U	27.8	-34.4	0	34.3	-	-	74	-39.7	-	-	44	159	H
	* 1.184	29.46	ADR	27.8	-34.5	0	22.76	54	-31.24	-	-	-	-	44	159	H
3	* 4.656	38.32	PK-U	34.3	-29.5	0	43.12	-	-	74	-30.88	-	-	95	198	H
	* 4.659	27.09	ADR	34.3	-29.5	0	31.89	54	-22.11	-	-	-	-	95	198	H
5	* 7.464	36.89	PK-U	36	-28.4	0	44.49	-	-	74	-29.51	-	-	124	232	V
	* 7.462	25.34	ADR	36	-28.4	0	32.94	54	-21.06	-	-	-	-	124	232	V
2	2.028	40.8	PK-U	31.4	-32.8	0	39.4	-	-	-	-	68.2	-28.8	181	223	H
4	5.929	38.12	PK-U	35.2	-20	0	53.32	-	-	-	-	68.2	-14.88	211	249	V
6	9.856	34.21	PK-U	37	-25.1	0	46.11	-	-	-	-	68.2	-22.09	188	289	V

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

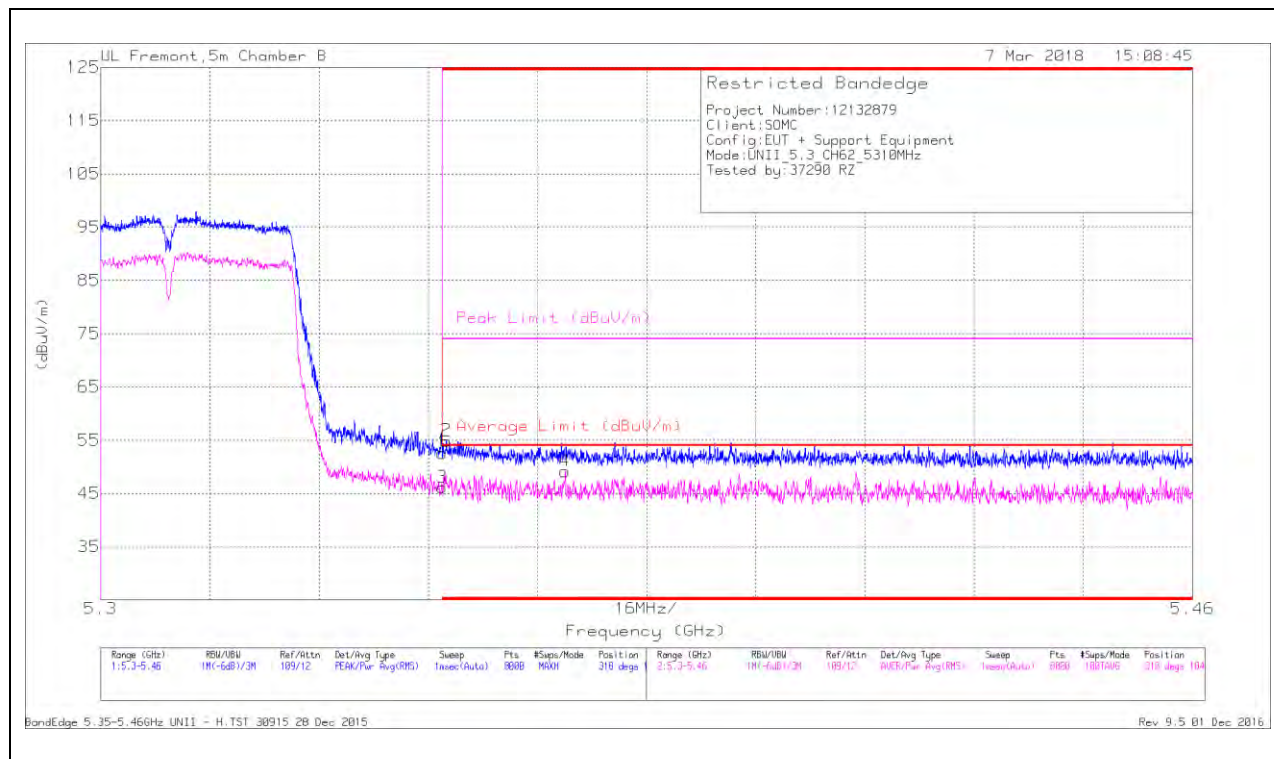
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.7. TX ABOVE 1 GHz 802.11n HT40 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

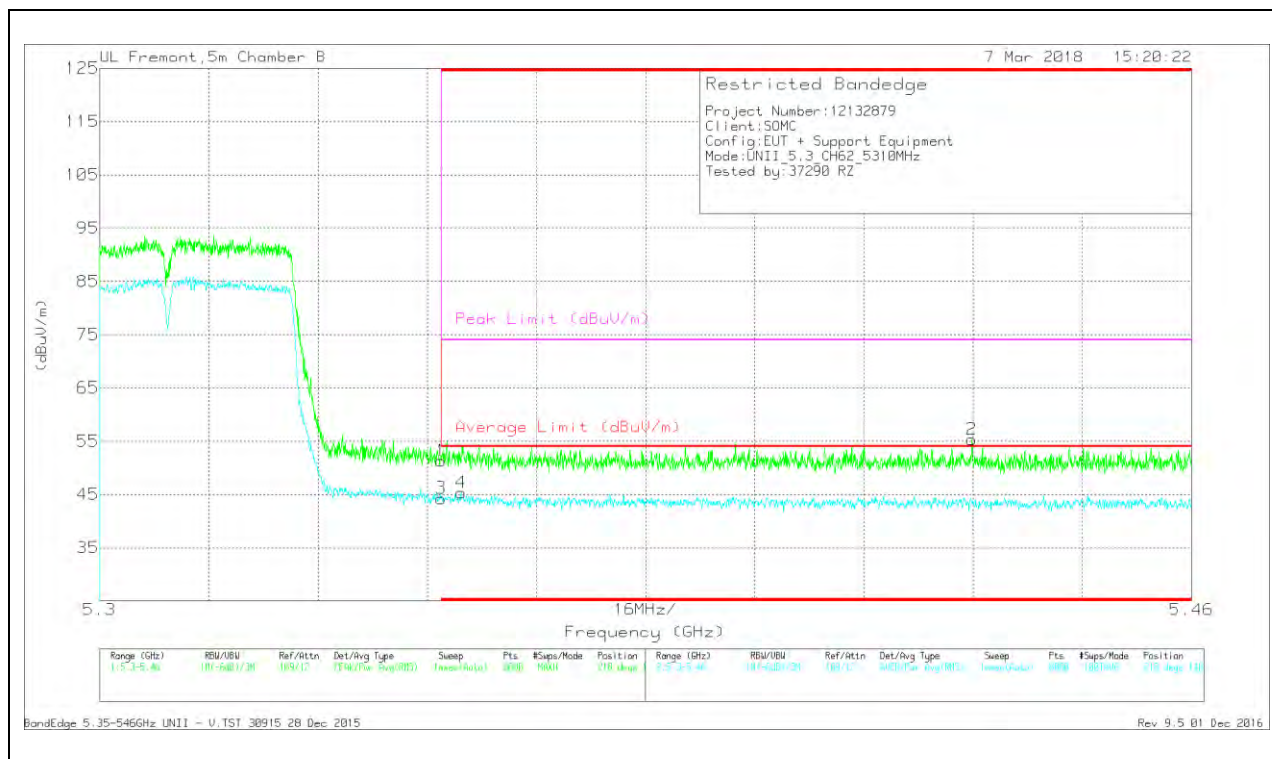
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	36.9	Pk	34.9	-19.2	0	52.6	-	-	74	-21.4	318	104	H
2	* 5.351	39.09	Pk	34.9	-19.1	0	54.89	-	-	74	-19.11	318	104	H
3	* 5.35	30.18	RMS	34.9	-19.2	.26	46.14	54	-7.86	-	-	318	104	H
4	* 5.368	33.12	RMS	35	-19.2	.26	49.18	54	-4.82	-	-	318	104	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	35.59	Pk	34.9	-19.2	0	51.29	-	-	74	-22.71	218	140	V
3	* 5.35	28.3	RMS	34.9	-19.2	.26	44.26	54	-9.74	-	-	218	140	V
4	* 5.353	29.13	RMS	34.9	-19	.26	45.29	54	-8.71	-	-	218	140	V
2	* 5.428	39.61	Pk	35.1	-19.4	0	55.31	-	-	74	-18.69	218	140	V

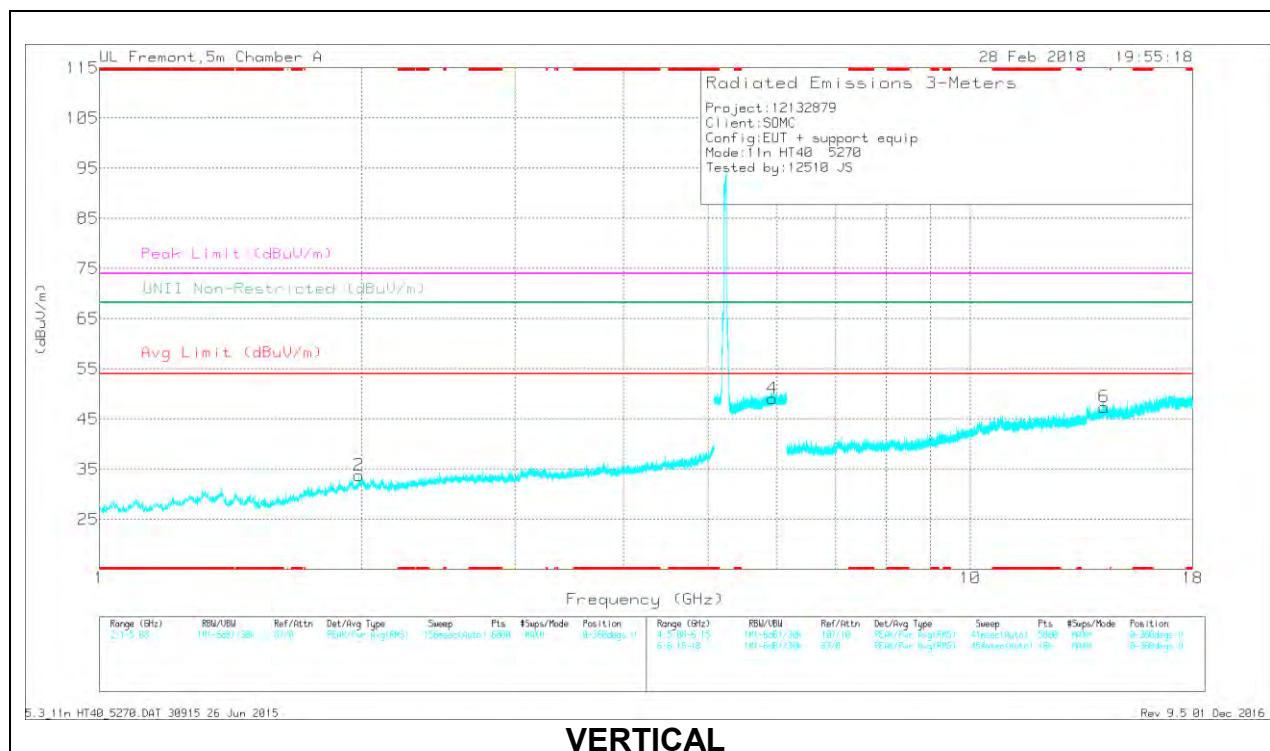
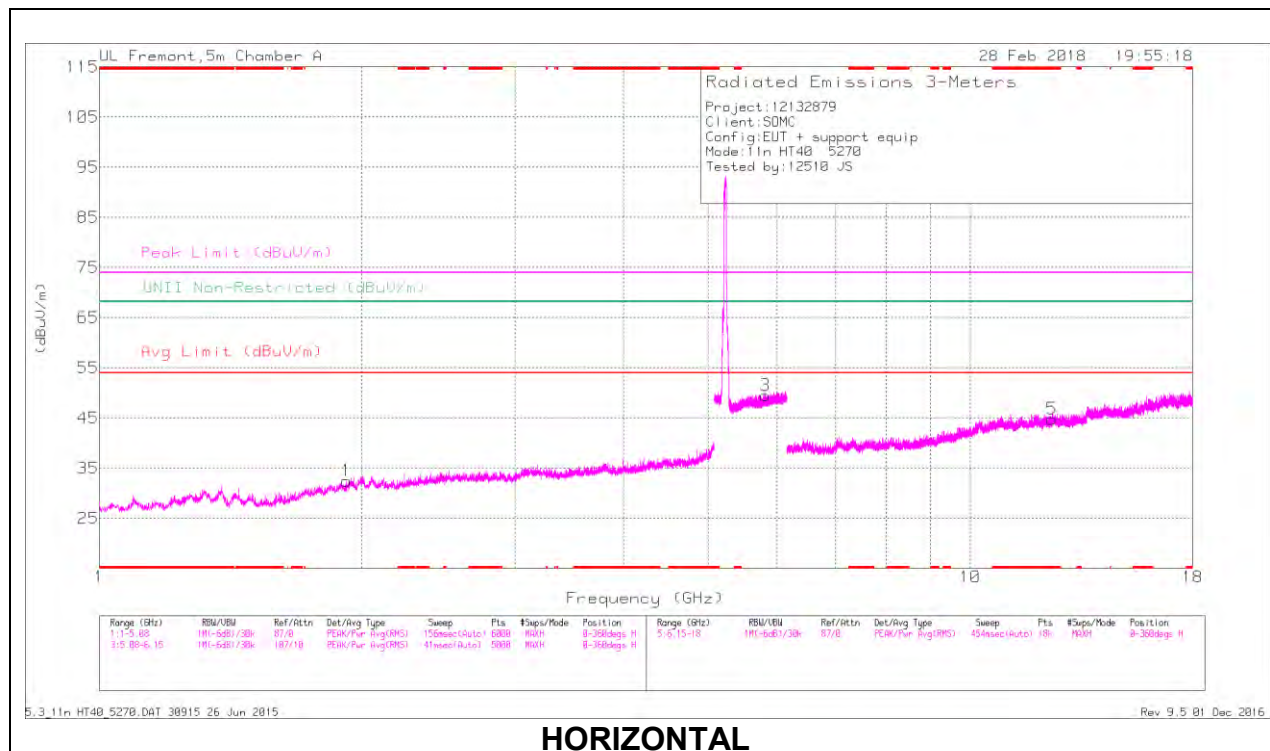
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

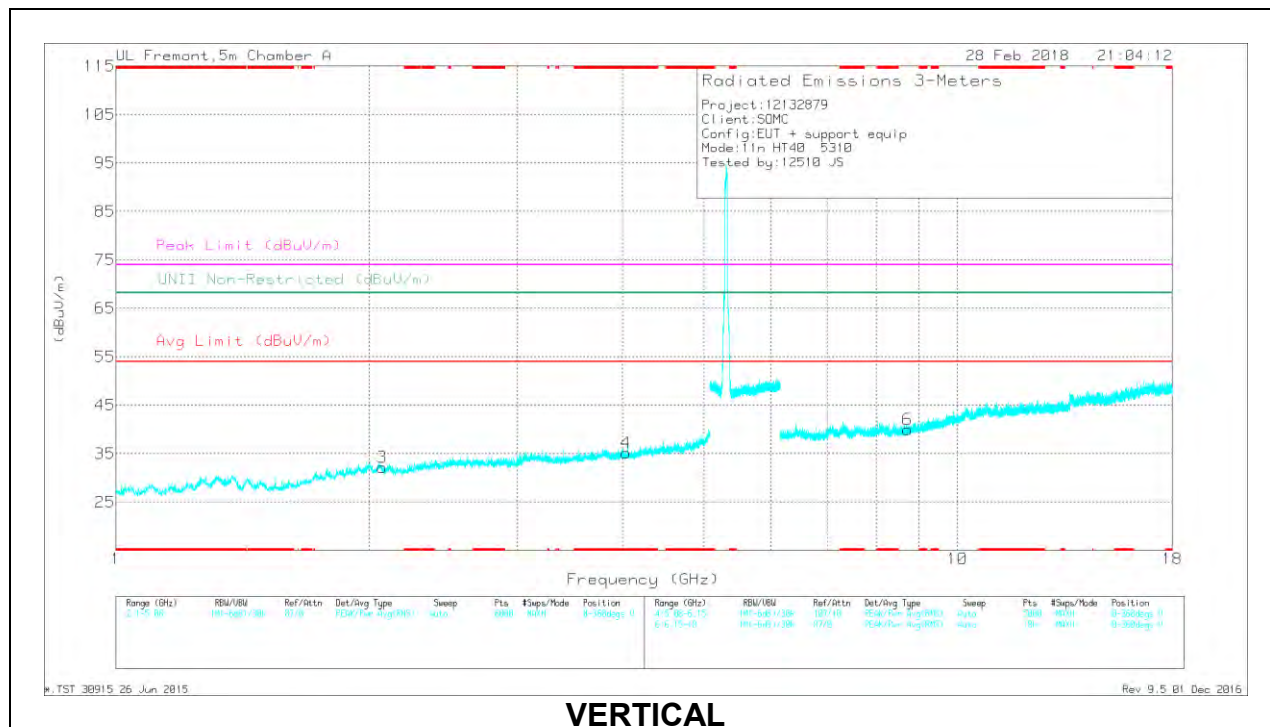
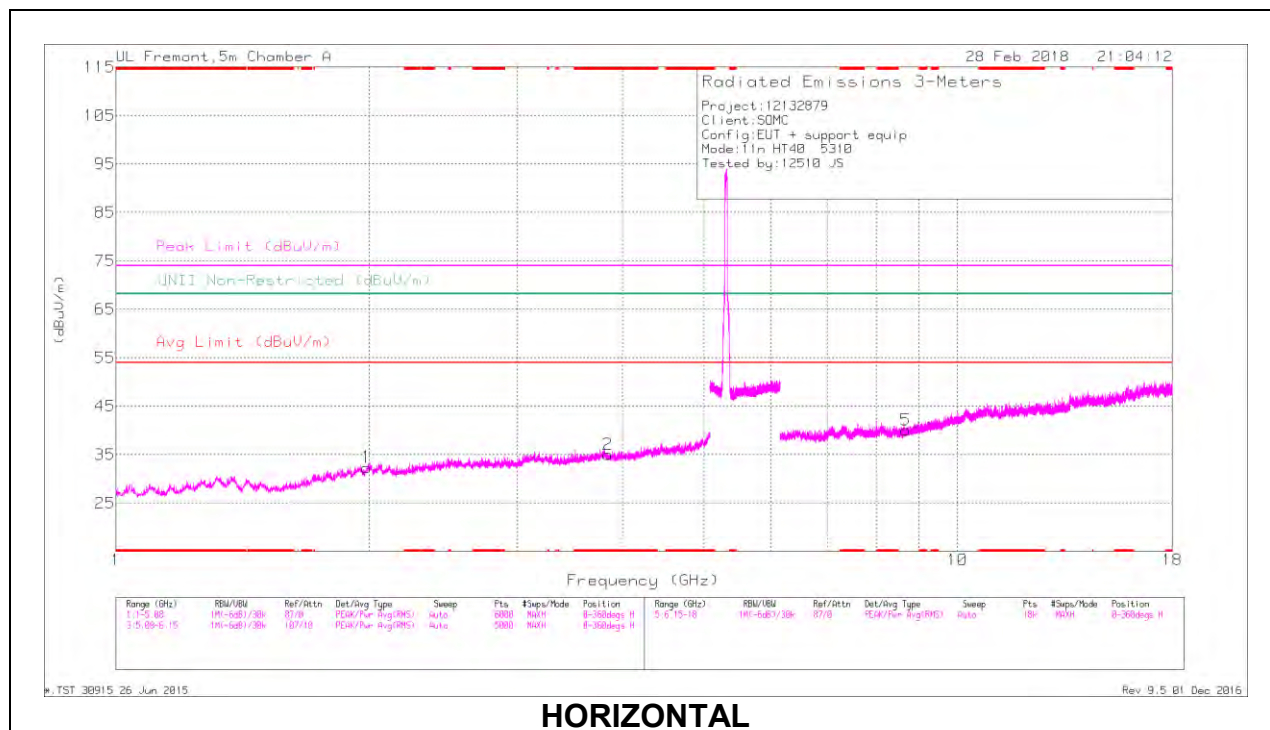
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 12.413	31.78	PK-U	38.9	-19.9	0	50.78	-	-	74	-23.22	-	-	33	103	H
	* 12.412	20.47	ADR	38.9	-19.9	.26	39.73	54	-14.27	-	-	-	-	33	103	H
1	1.923	38.92	PK-U	31.2	-31.6	0	38.52	-	-	-	-	68.2	-29.68	211	147	H
2	1.988	38.97	PK-U	31.4	-30.9	0	39.47	-	-	-	-	68.2	-28.73	343	197	V
3	5.815	39.77	PK-U	35.1	-18.4	0	56.47	-	-	-	-	68.2	-11.73	17	159	H
4	5.928	38.79	PK-U	35.2	-18.2	0	55.79	-	-	-	-	68.2	-12.41	198	230	V
6	14.238	32.44	PK-U	39.6	-18.9	0	53.14	-	-	-	-	68.2	-15.06	101	142	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

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	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	37.46	PK-U	33	-28.7	0	41.76	-	-	74	-32.24	-	-	276	154	H
	* 3.845	25.76	ADR	33	-28.7	.26	30.32	54	-23.68	-	-	-	-	276	154	H
4	* 4.04	36.5	PK-U	33.4	-28.3	0	41.6	-	-	74	-32.4	-	-	8	322	V
	* 4.044	24.69	ADR	33.4	-28.3	.26	30.05	54	-23.95	-	-	-	-	8	322	V
1	1.987	39.04	PK-U	31.4	-30.9	0	39.54	-	-	-	-	68.2	-28.66	339	232	H
3	2.073	39.18	PK-U	31.3	-30.9	0	39.58	-	-	-	-	68.2	-28.62	310	142	V
5	8.681	33.38	PK-U	35.9	-22.2	0	47.08	-	-	-	-	68.2	-21.12	254	119	H
6	8.722	32.89	PK-U	36	-22.6	0	46.29	-	-	-	-	68.2	-21.91	173	106	V

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

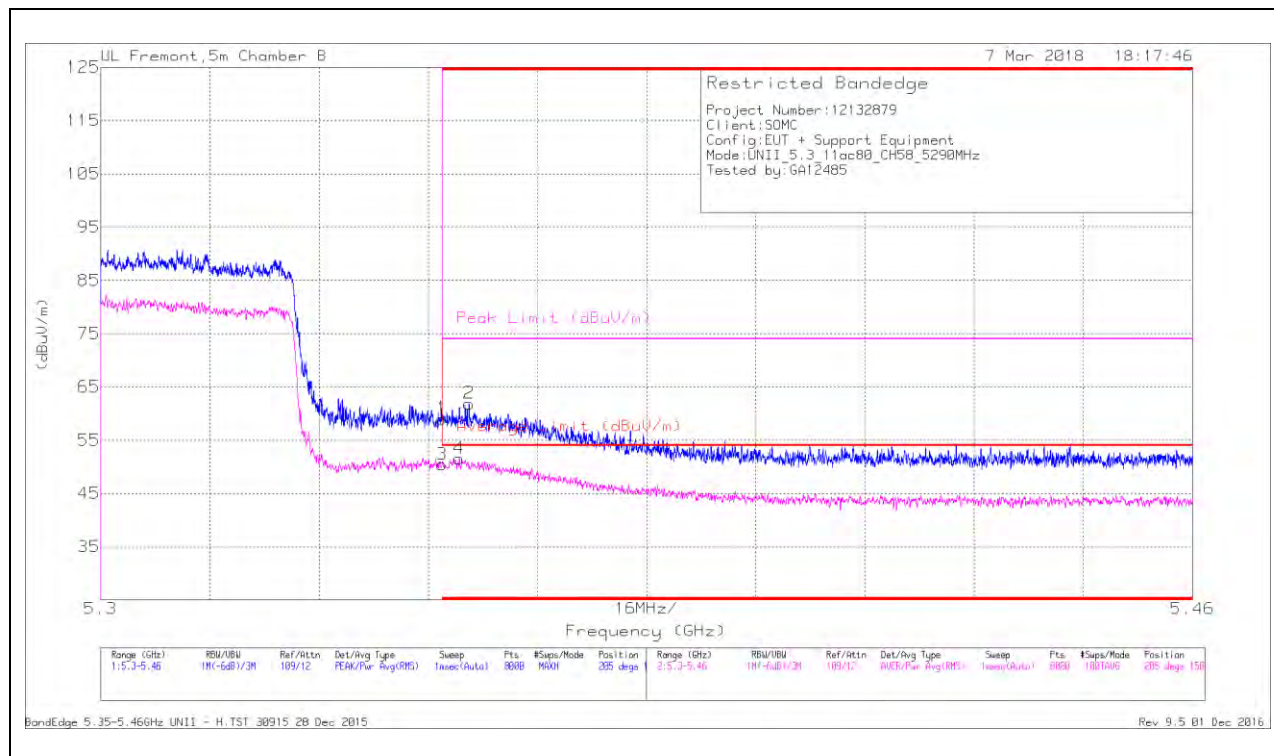
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.8. TX ABOVE 1 GHz 802.11ac VHT80 2TX CDD MODE IN THE 5.3 GHz BAND

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/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	43.33	Pk	34.9	-19.2	0	59.03	-	-	74	-14.97	205	158	H
3	* 5.35	34.21	RMS	34.9	-19.2	.52	50.43	54	-3.57	-	-	205	158	H
4	* 5.353	35.13	RMS	34.9	-19	.52	51.55	54	-2.45	-	-	205	158	H
2	* 5.354	46.07	Pk	34.9	-19.1	0	61.87	-	-	74	-12.13	205	158	H

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

Pk - Peak detector

RMS - RMS detection