

8.5.7. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	22.10	-1.80	24.00	11.00
Mid	5580	21.95	-1.80	24.00	11.00
High	5700	22.05	-1.80	24.00	11.00
144	5720	16.03	-1.80	23.05	11.00

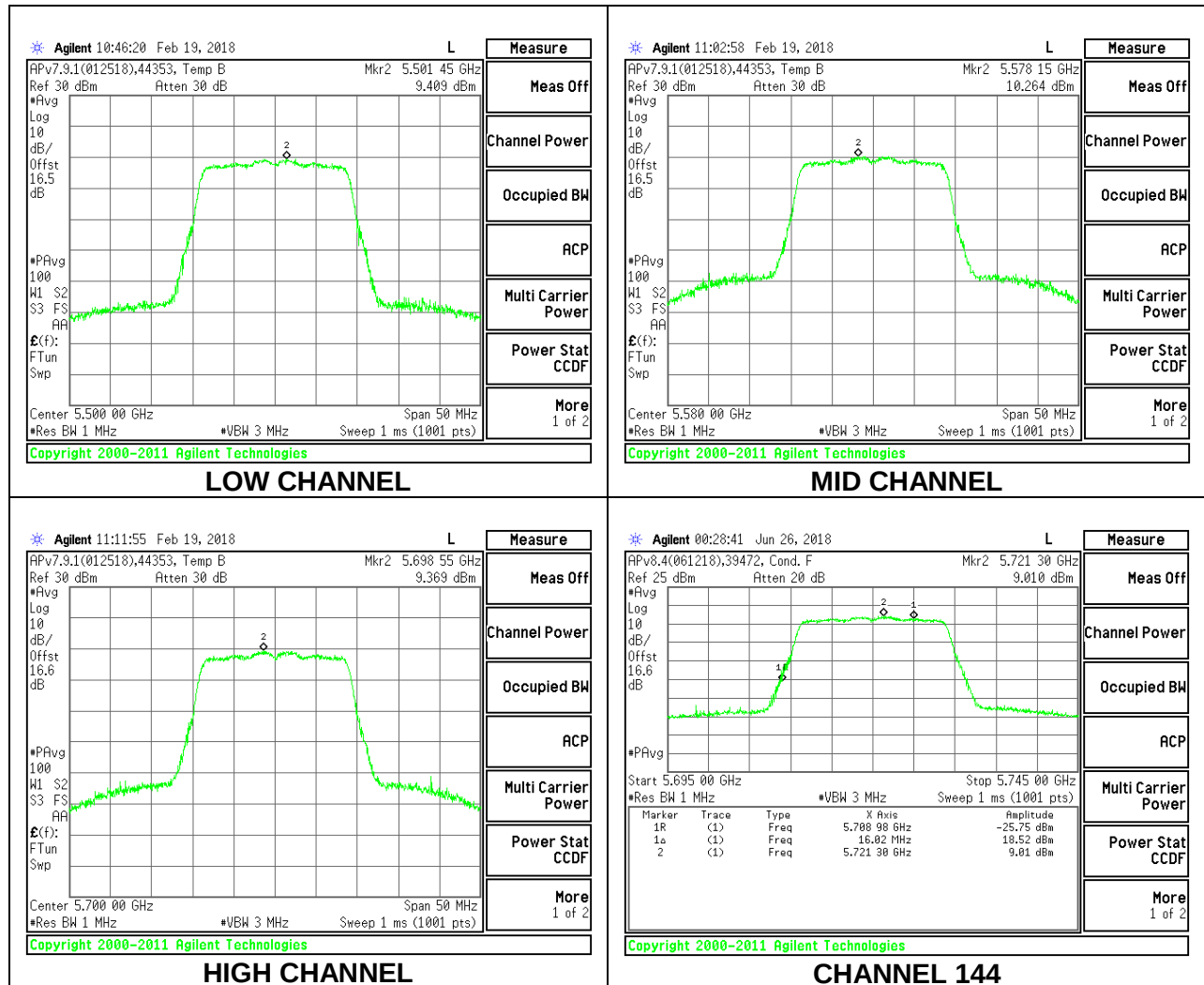
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (CH 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.88	18.88	24.00	-5.12
Mid	5580	19.30	19.30	24.00	-4.70
High	5700	18.81	18.81	24.00	-5.19
144	5720	18.52	18.52	23.05	-4.53

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	9.41	9.41	11.00	-1.59
Mid	5580	10.26	10.26	11.00	-0.74
High	5700	9.37	9.37	11.00	-1.63
144	5720	9.01	9.01	11.00	-1.99



1TX Antenna 5 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	21.85	-5.00	24.00	11.00
Mid	5580	22.30	-5.00	24.00	11.00
High	5700	22.00	-5.00	24.00	11.00
144	5720	16.03	-5.00	23.05	11.00

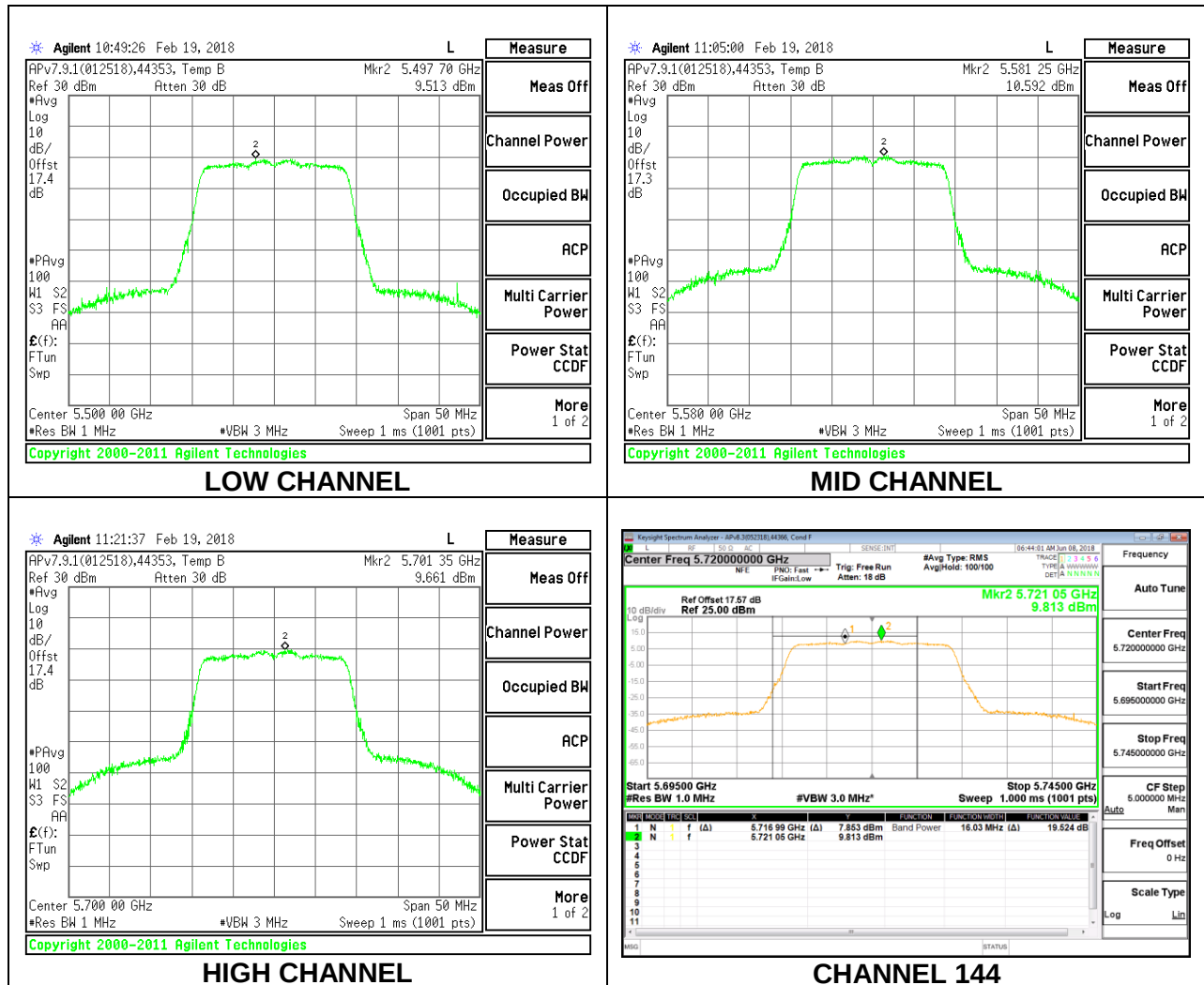
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (CH 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	18.85	18.85	24.00	-5.15
Mid	5580	20.76	20.76	24.00	-3.24
High	5700	18.89	18.89	24.00	-5.11
144	5720	19.54	19.54	23.05	-3.51

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	9.51	9.51	11.00	-1.49
Mid	5580	10.59	10.59	11.00	-0.41
High	5700	9.66	9.66	11.00	-1.34
144	5720	9.81	9.81	11.00	-1.19



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

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	5500	21.70	-3.11	-0.24	24.00	11.00
Mid	5580	21.75	-3.11	-0.24	24.00	11.00
High	5700	21.90	-3.11	-0.24	24.00	11.00
144	5720	16.03	-3.11	-0.24	23.05	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (CH 144) & PSD
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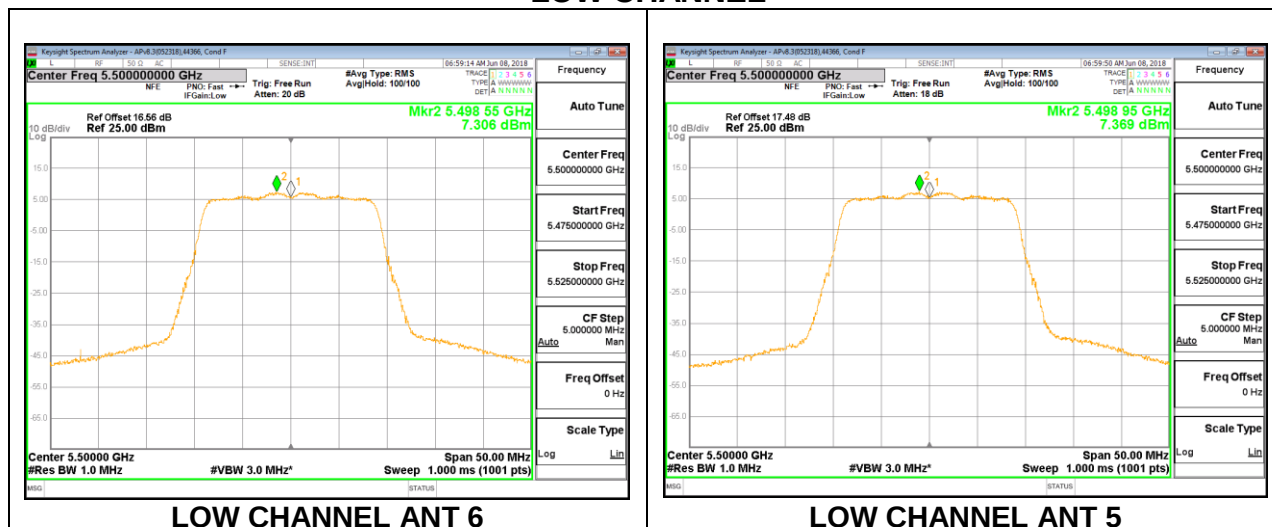
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	17.84	17.86	20.86	24.00	-3.14
Mid	5580	17.89	17.78	20.85	24.00	-3.15
High	5700	17.77	17.79	20.79	24.00	-3.21
144	5720	16.47	16.51	19.50	23.05	-3.55

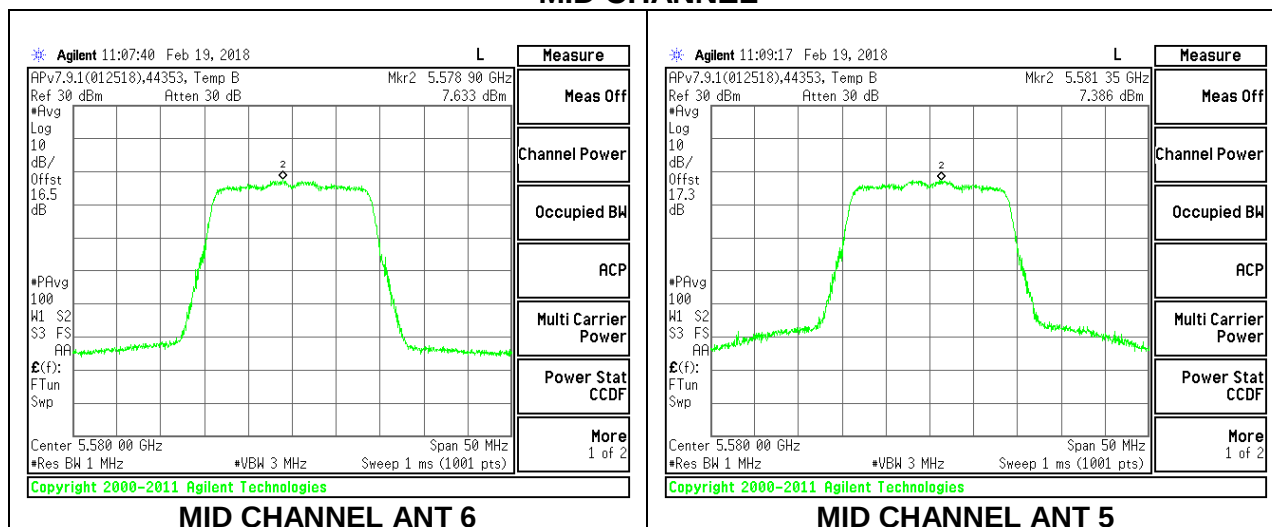
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	7.31	7.37	10.35	11.00	-0.65
Mid	5580	7.63	7.39	10.52	11.00	-0.48
High	5700	7.09	7.34	10.23	11.00	-0.77
144	5720	6.81	6.85	9.84	11.00	-1.16

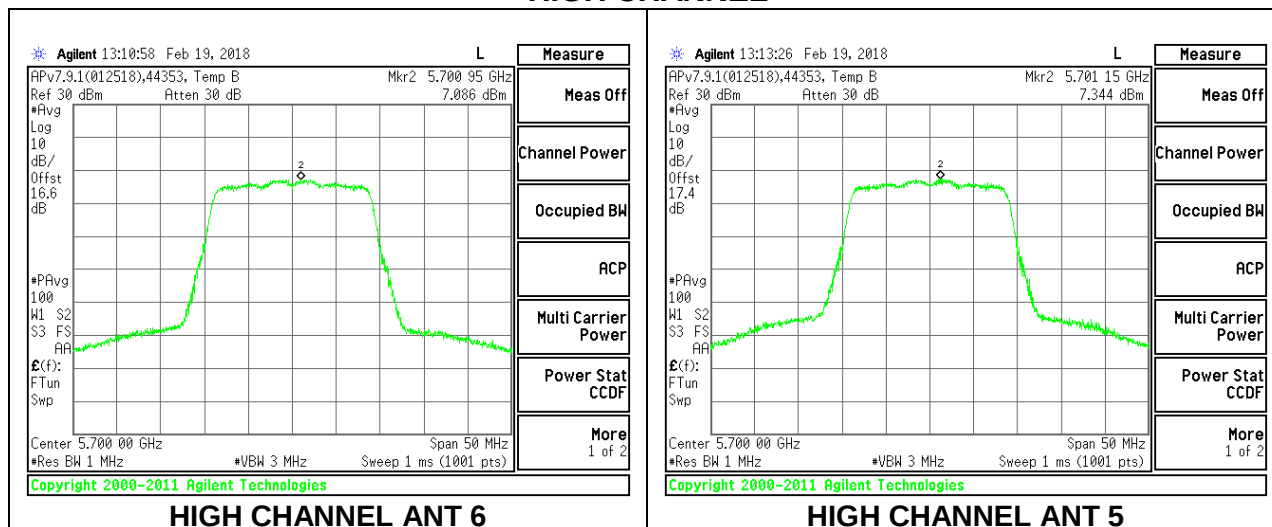
LOW CHANNEL



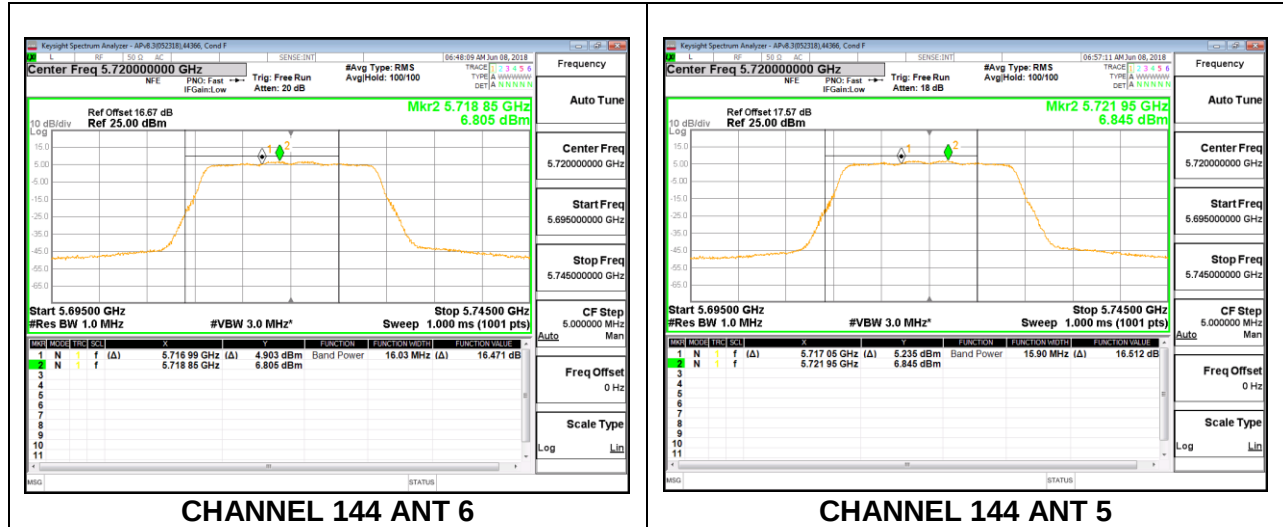
MID CHANNEL



HIGH CHANNEL



CHANNEL 144



8.5.8. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5510	40.70	-1.80	24.00	11.00
Mid	5550	40.50	-1.80	24.00	11.00
High	5670	40.50	-1.80	24.00	11.00
142	5710	40.60	-1.80	24.00	11.00

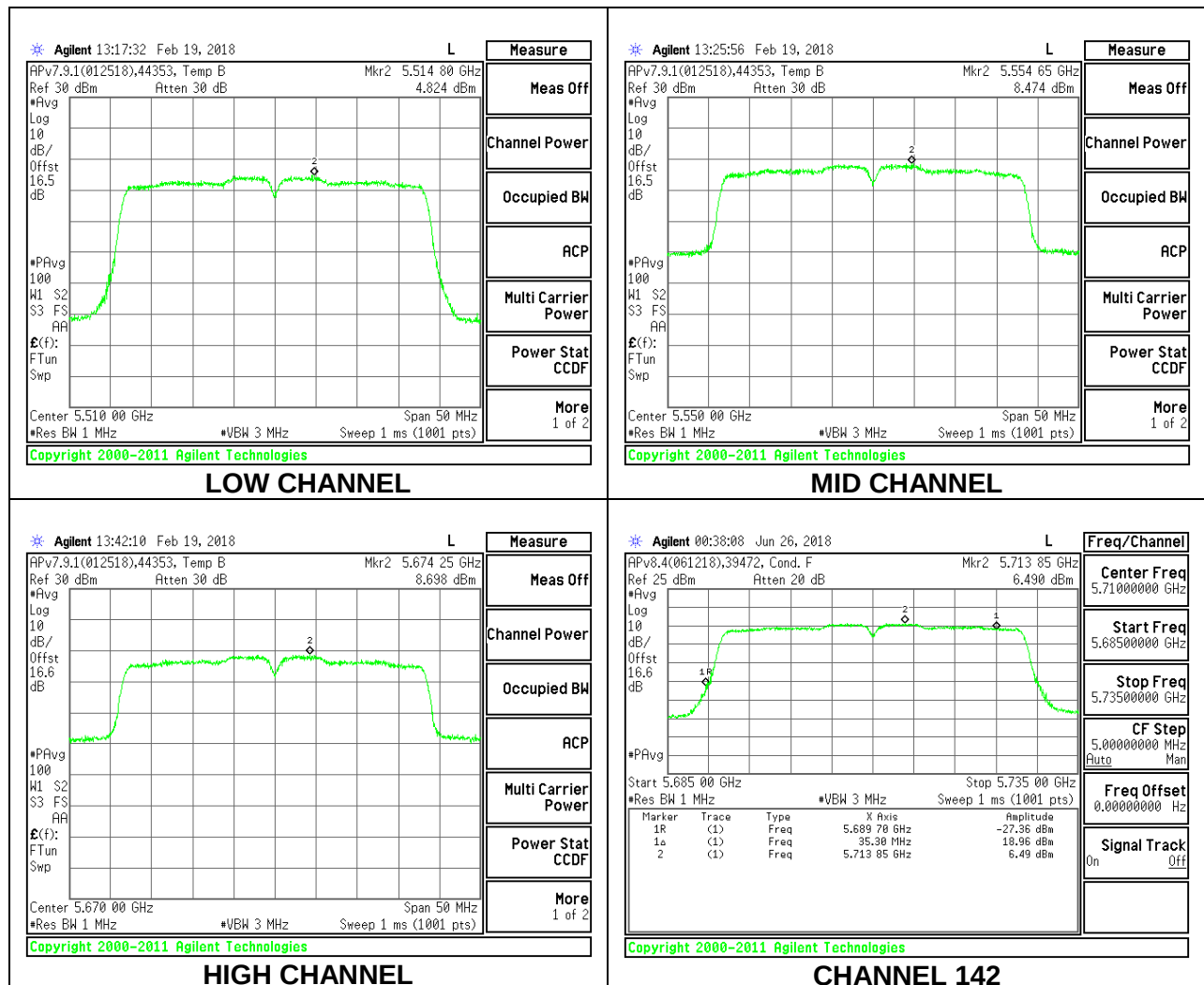
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (CH 142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	17.42	17.42	24.00	-6.58
Mid	5550	19.38	19.38	24.00	-4.62
High	5670	19.47	19.47	24.00	-4.53
142	5710	18.96	19.05	24.00	-4.95

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	4.82	4.91	11.00	-6.09
Mid	5550	8.47	8.56	11.00	-2.44
High	5670	8.70	8.79	11.00	-2.21
142	5710	6.49	6.58	11.00	-4.42



1TX Antenna 5 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5510	40.20	-5.00	24.00	11.00
Mid	5550	40.20	-5.00	24.00	11.00
High	5670	40.20	-5.00	24.00	11.00
142	5710	40.60	-5.00	24.00	11.00

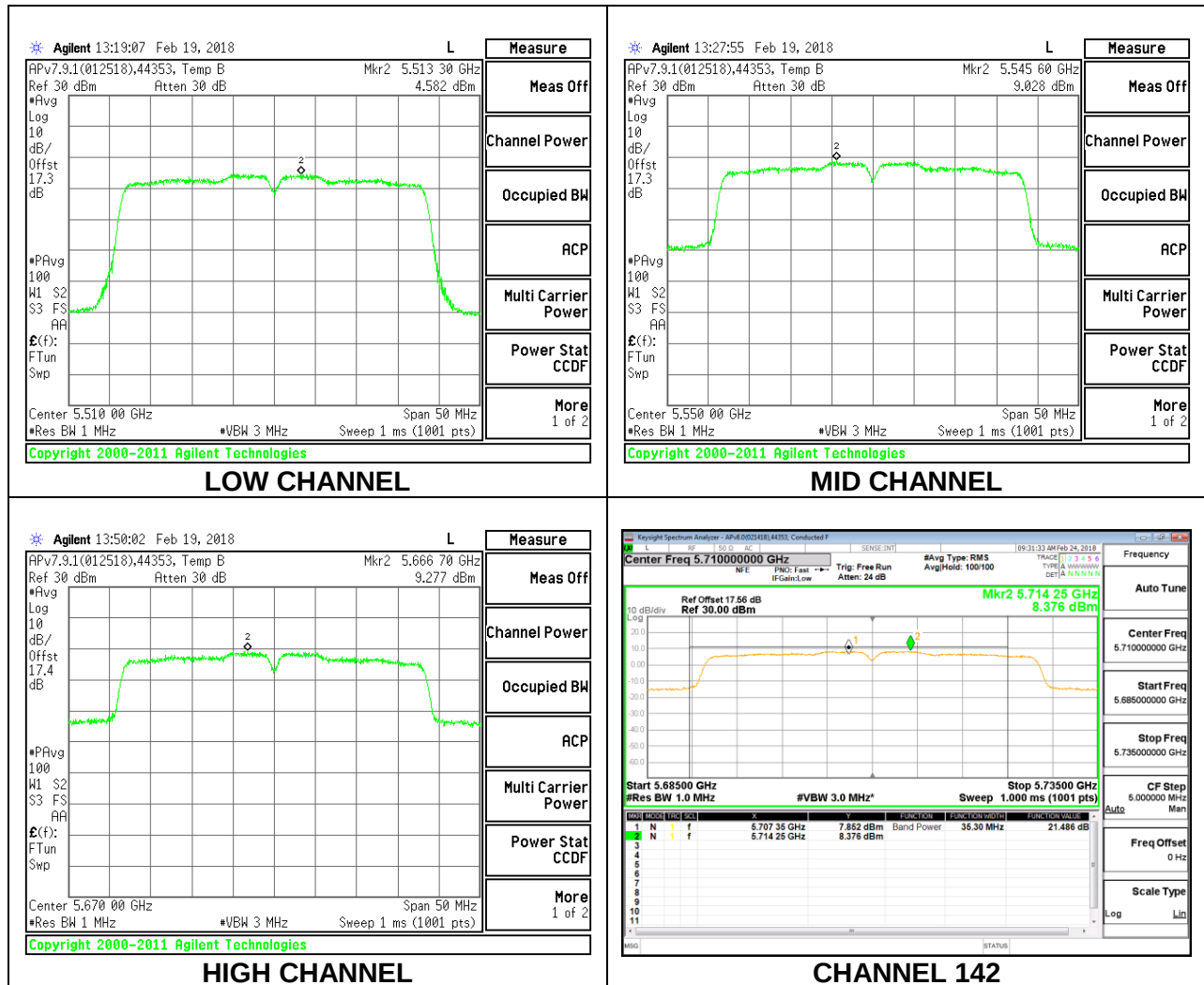
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (CH142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	17.49	17.49	24.00	-6.51
Mid	5550	21.94	21.94	24.00	-2.06
High	5670	21.98	21.98	24.00	-2.02
142	5710	21.49	21.58	24.00	-2.42

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	4.58	4.67	11.00	-6.33
Mid	5550	9.03	9.12	11.00	-1.88
High	5670	9.28	9.37	11.00	-1.63
142	5710	8.38	8.47	11.00	-2.53



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

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	5510	40.10	-3.11	-0.24	24.00	11.00
Mid	5550	40.20	-3.11	-0.24	24.00	11.00
High	5670	40.10	-3.11	-0.24	24.00	11.00
142	5710	40.20	-3.11	-0.24	24.00	11.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (CH 142) & PSD
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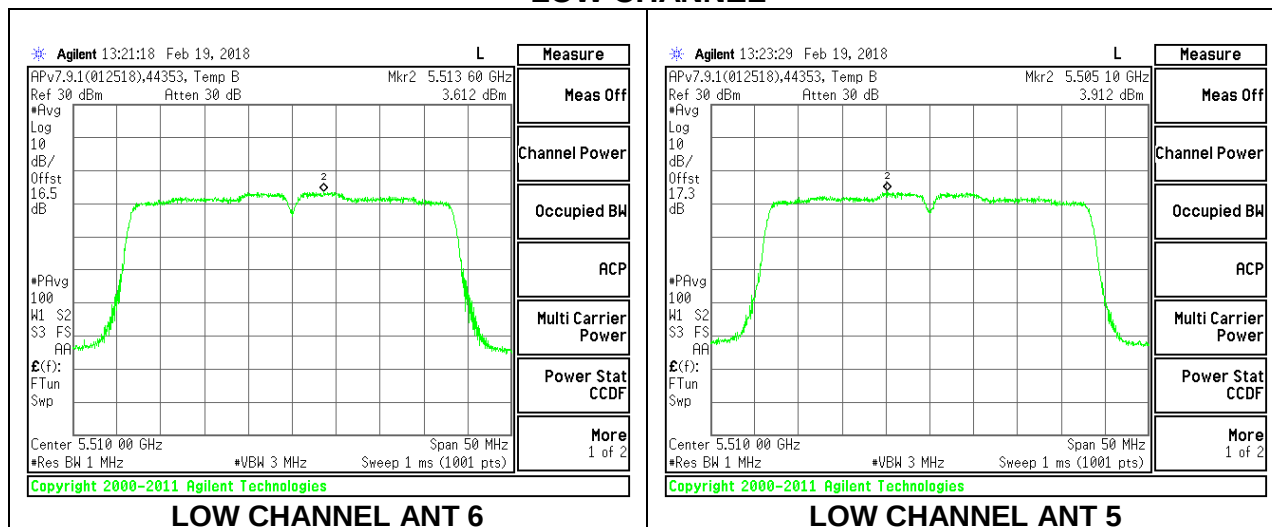
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	16.86	16.88	19.88	24.00	-4.12
Mid	5550	19.32	19.84	22.60	24.00	-1.40
High	5670	19.48	19.83	22.67	24.00	-1.33
142	5710	19.26	19.31	22.39	24.00	-1.61

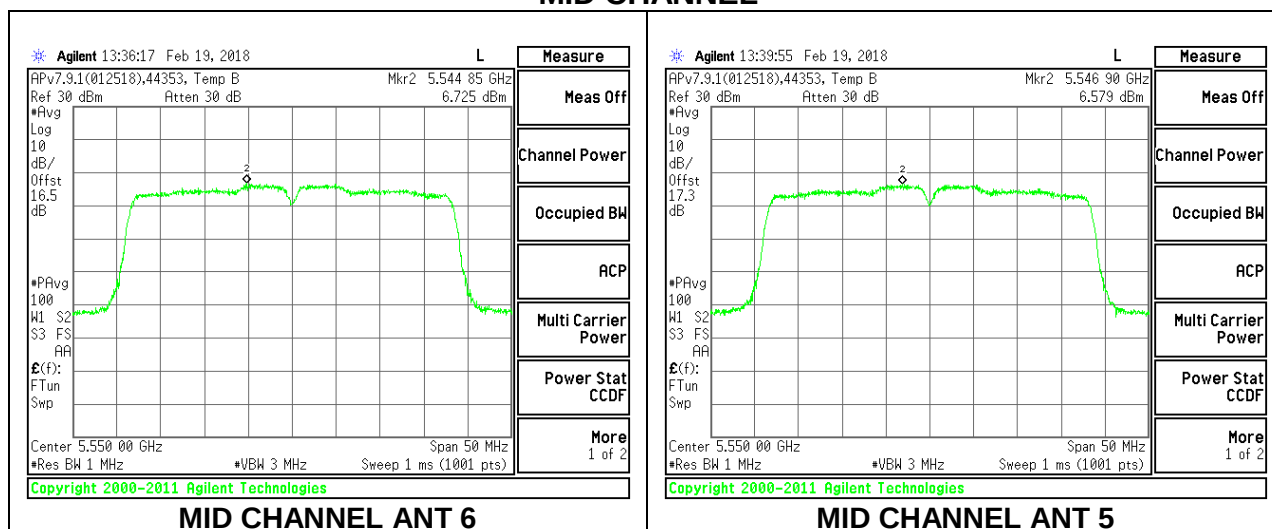
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	3.61	3.91	6.86	11.00	-4.14
Mid	5550	6.73	6.58	9.75	11.00	-1.25
High	5670	6.67	6.47	9.67	11.00	-1.33
142	5710	6.20	6.51	9.46	11.00	-1.54

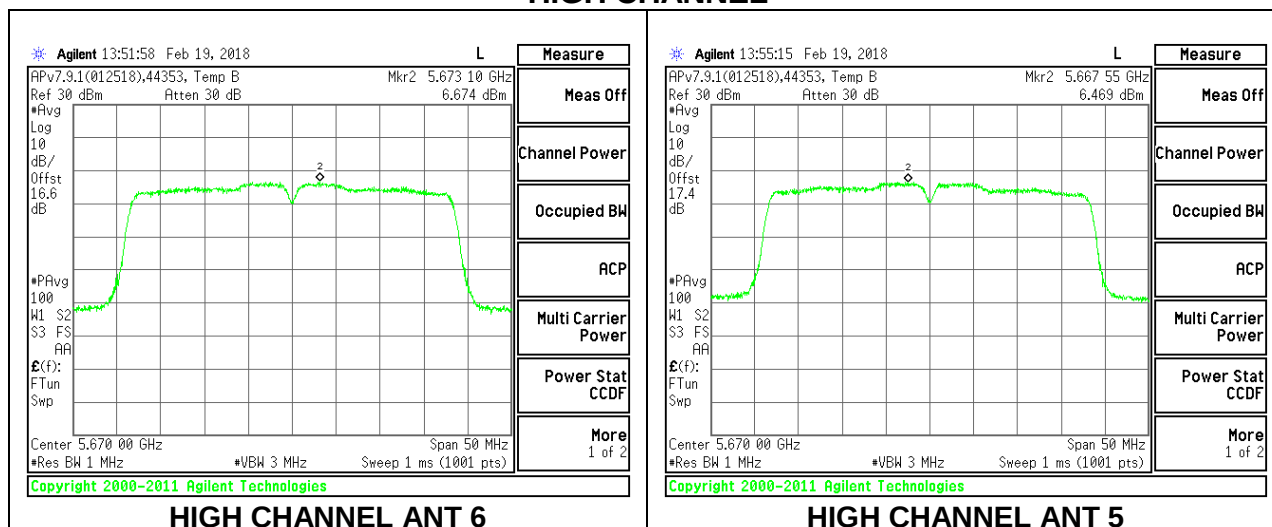
LOW CHANNEL



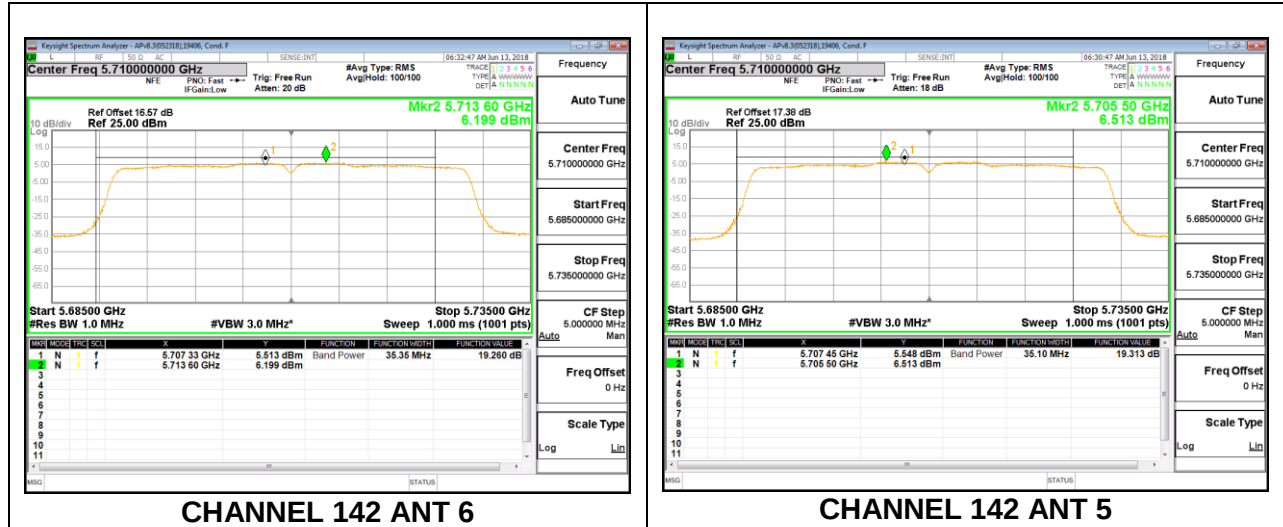
MID CHANNEL



HIGH CHANNEL



CHANNEL 142



8.5.9. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 6 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	82.40	-1.80	24.00	11.00
High	5610	82.80	-1.80	24.00	11.00
138	5690	82.60	-1.80	24.00	11.00

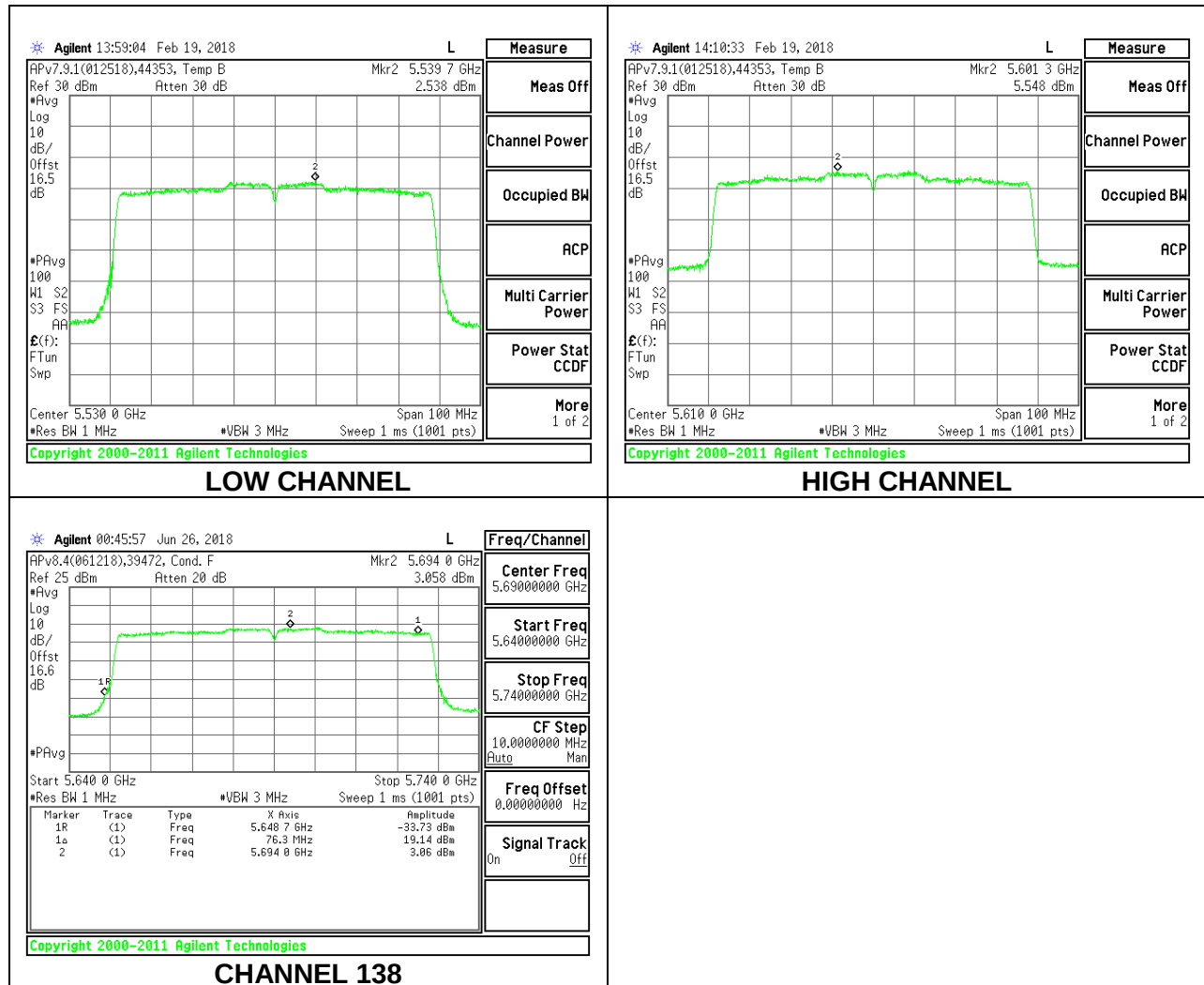
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH 138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	17.30	17.30	24.00	-6.70
High	5610	19.40	19.40	24.00	-4.60
138	5690	19.14	19.33	24.00	-4.67

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	2.54	2.73	11.00	-8.27
High	5610	5.55	5.74	11.00	-5.26
138	5690	3.06	3.25	11.00	-7.75



1TX Antenna 5 (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	82.60	-5.00	24.00	11.00
High	5610	82.80	-5.00	24.00	11.00
138	5690	82.80	-5.00	24.00	11.00

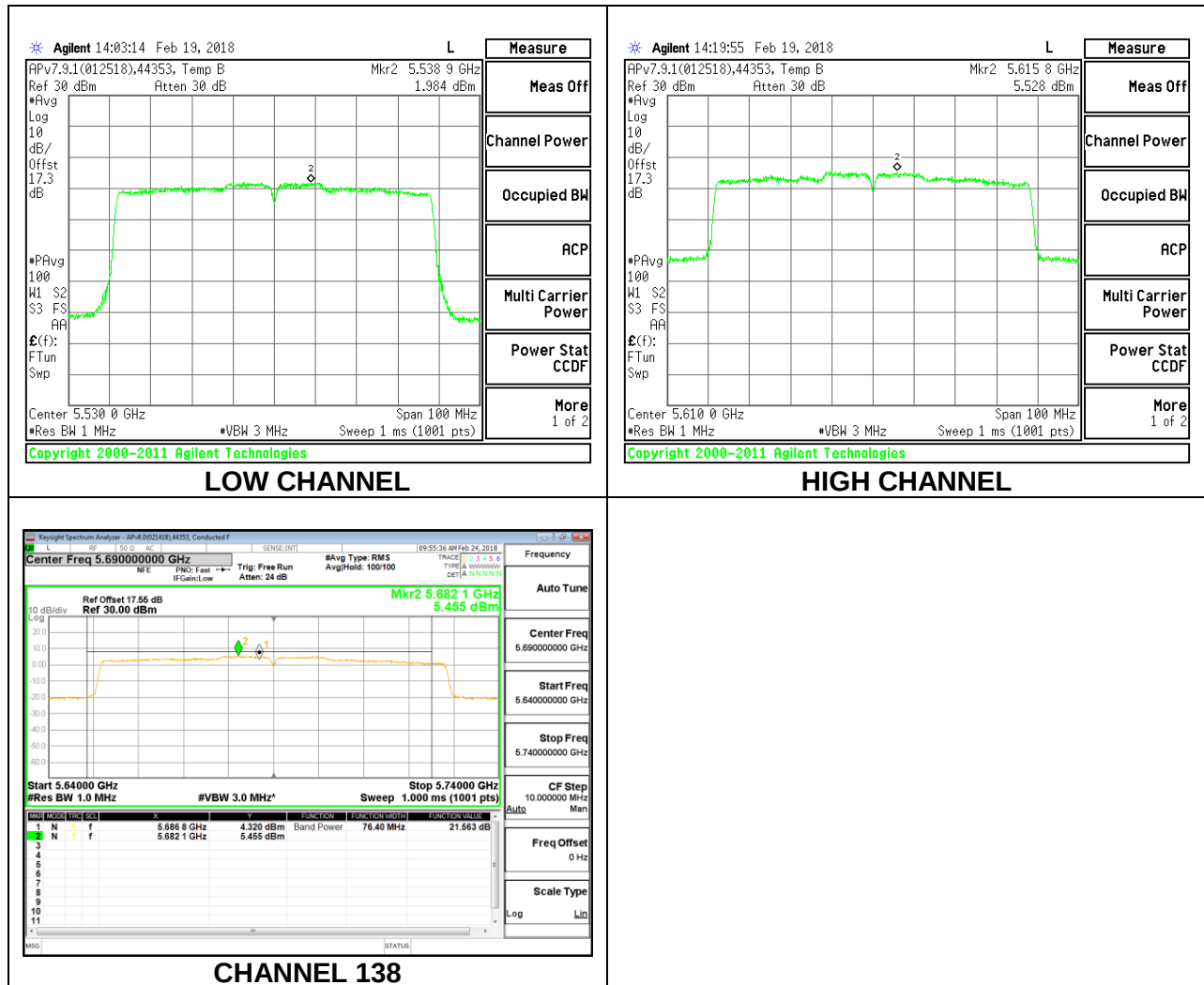
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	17.42	17.42	24.00	-6.58
High	5610	21.94	21.94	24.00	-2.06
138	5690	21.56	21.75	24.00	-2.25

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	1.98	2.17	11.00	-8.83
High	5610	5.53	5.72	11.00	-5.28
138	5690	5.46	5.65	11.00	-5.36



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

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	5530	82.60	-3.11	-0.24	24.00	11.00
High	5610	82.20	-3.11	-0.24	24.00	11.00
138	5690	82.60	-3.11	-0.24	24.00	11.00

Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH 138) & PSD
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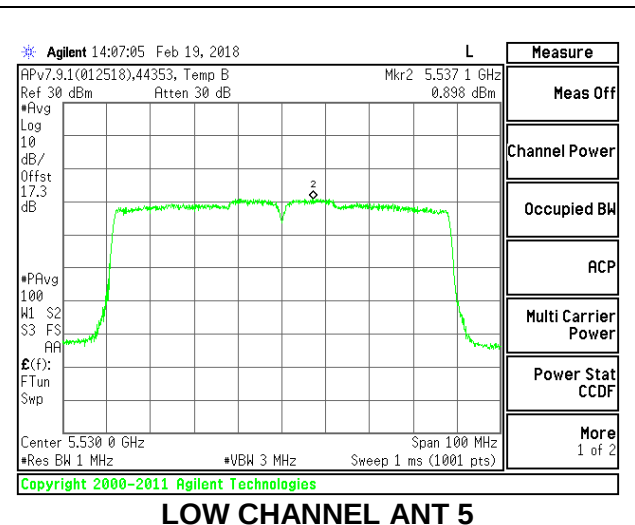
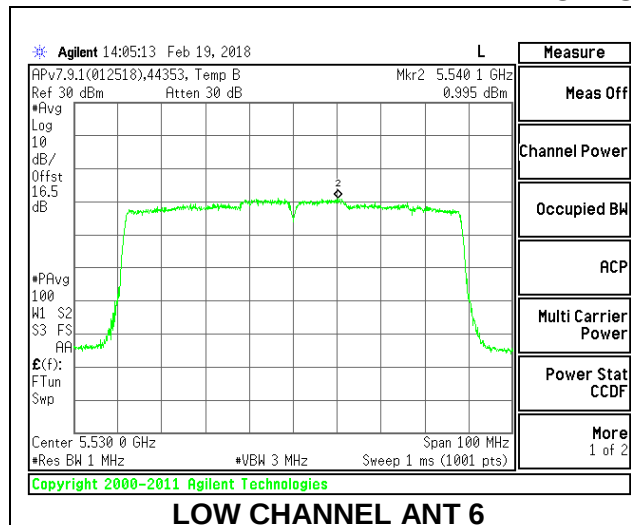
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.44	16.37	19.42	24.00	-4.58
High	5610	19.43	19.70	22.58	24.00	-1.42
138	5690	19.13	19.77	22.66	24.00	-1.34

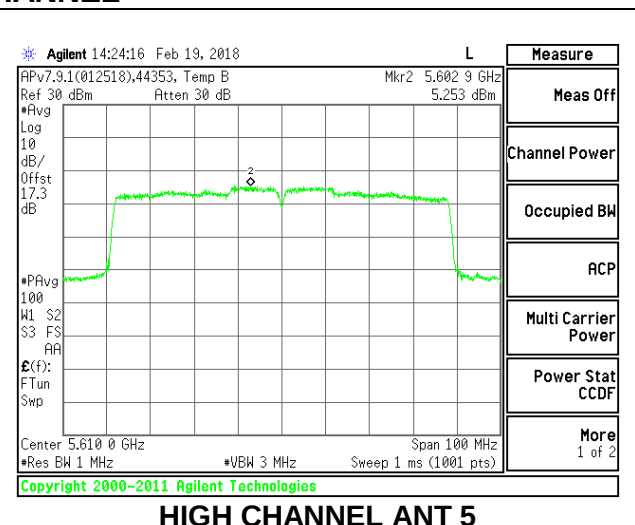
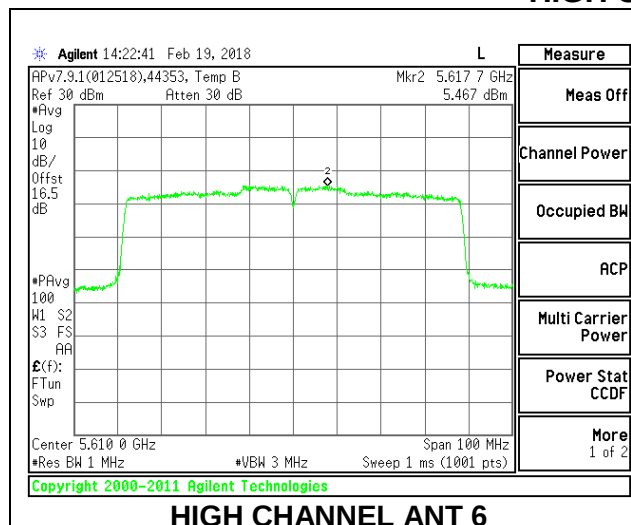
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	1.00	0.90	4.15	11.00	-6.85
High	5610	5.47	5.25	8.56	11.00	-2.44
138	5690	3.24	3.31	6.47	11.00	-4.53

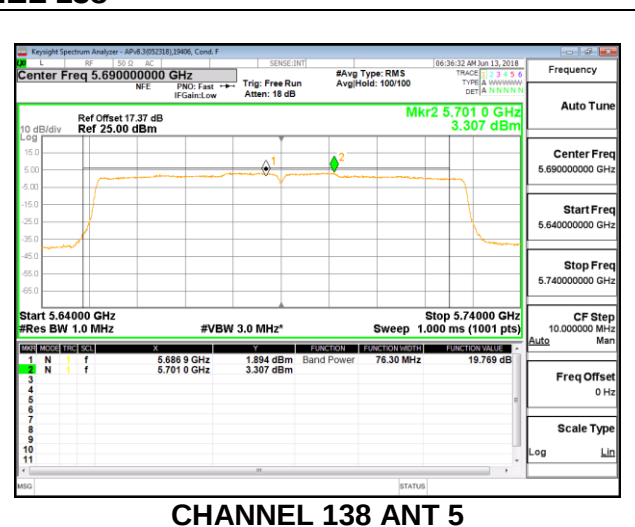
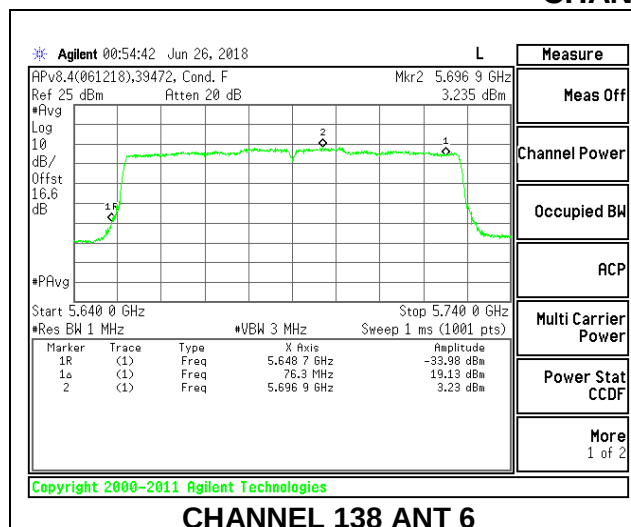
LOW CHANNEL



HIGH CHANNEL



CHANNEL 138



8.5.10. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	22.10	-2.20	30.00	30.00
Mid	5785	22.10	-2.20	30.00	30.00
High	5825	21.95	-2.20	30.00	30.00
144	5720	6.03	-2.20	30.00	30.00

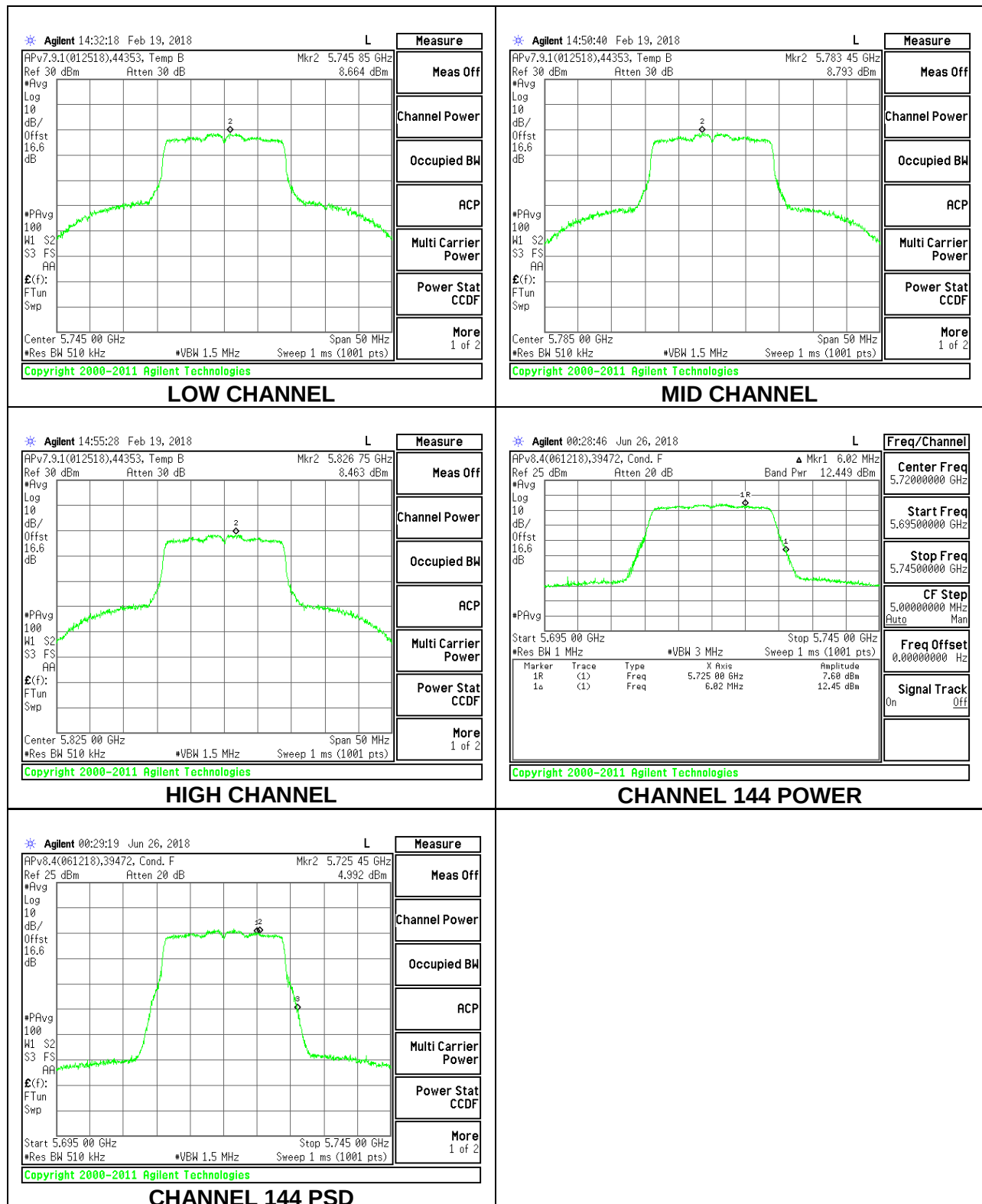
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (CH 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.88	21.88	30.00	-8.12
Mid	5785	21.91	21.91	30.00	-8.09
High	5825	21.96	21.96	30.00	-8.04
144	5720	12.45	12.45	30.00	-17.55

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.66	8.66	30.00	-21.34
Mid	5785	8.79	8.79	30.00	-21.21
High	5825	8.46	8.46	30.00	-21.54
144	5720	4.99	4.99	30.00	-25.01



1TX Antenna 5 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	21.95	-5.70	30.00	30.00
Mid	5785	21.95	-5.70	30.00	30.00
High	5825	22.25	-5.70	30.00	30.00
144	5720	6.03	-5.70	30.00	30.00

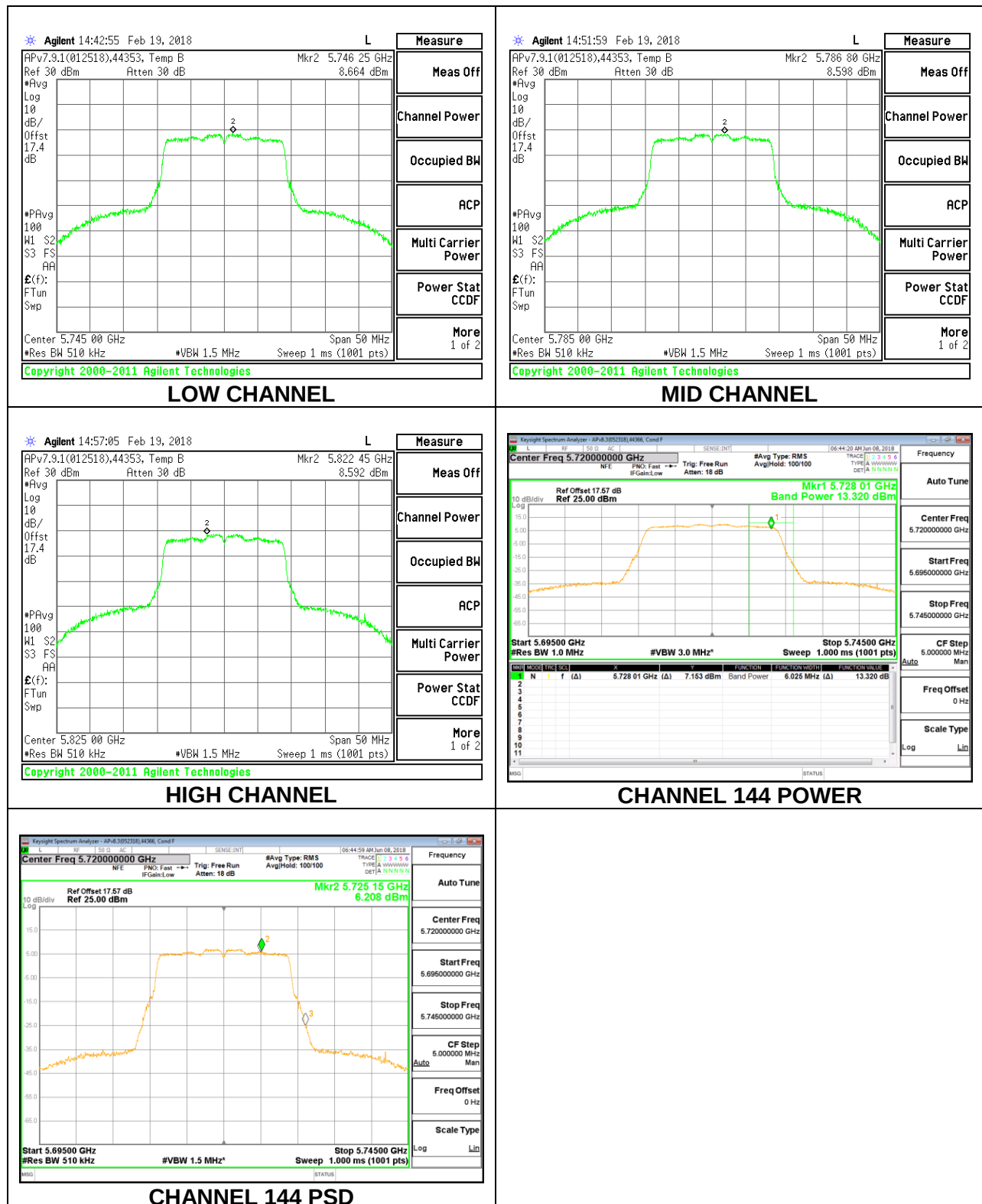
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'dPower (CH 144) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	22.33	22.33	30.00	-7.67
Mid	5785	22.38	22.38	30.00	-7.62
High	5825	22.32	22.32	30.00	-7.68
144	5720	13.32	13.32	30.00	-16.68

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.66	8.66	30.00	-21.34
Mid	5785	8.60	8.60	30.00	-21.40
High	5825	8.59	8.59	30.00	-21.41
144	5720	6.21	6.21	30.00	-23.79



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

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	5745	21.95	-3.61	-0.76	30.00	30.00
Mid	5785	21.95	-3.61	-0.76	30.00	30.00
High	5825	21.15	-3.61	-0.76	30.00	30.00
144	5720	6.03	-3.61	-0.76	30.00	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power (CH 144) & PSD
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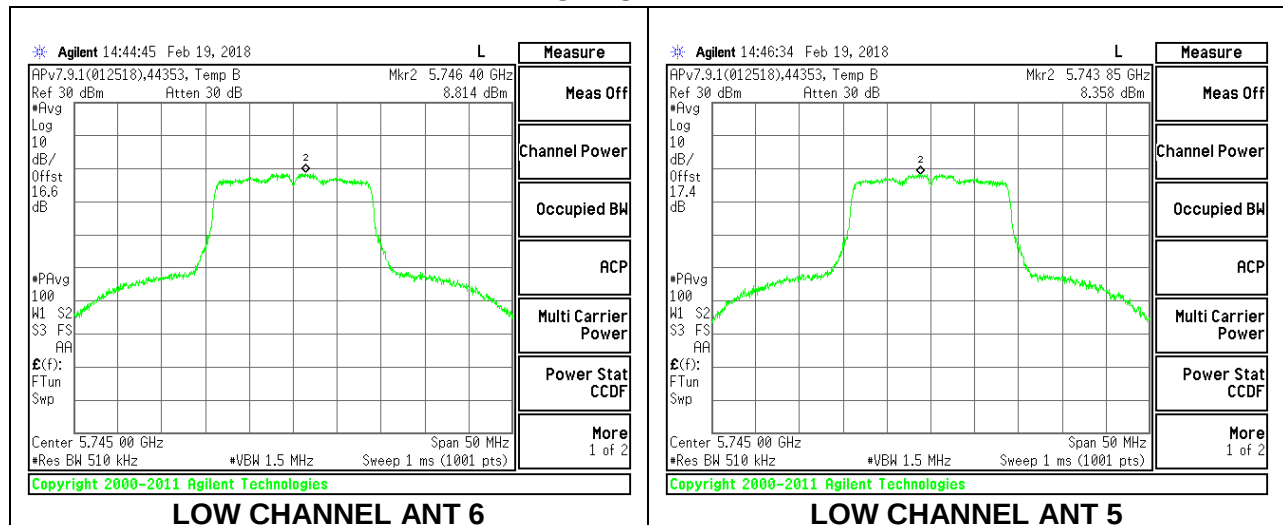
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	21.89	22.49	25.21	30.00	-4.79
Mid	5785	21.94	22.48	25.23	30.00	-4.77
High	5825	21.79	22.37	25.10	30.00	-4.90
144	5720	10.34	10.29	13.32	30.00	-16.68

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5745	8.81	8.36	11.60	30.00	-18.40
Mid	5785	8.77	8.75	11.77	30.00	-18.23
High	5825	8.75	8.84	11.81	30.00	-18.19
144	5720	2.76	2.72	5.75	30.00	-24.25

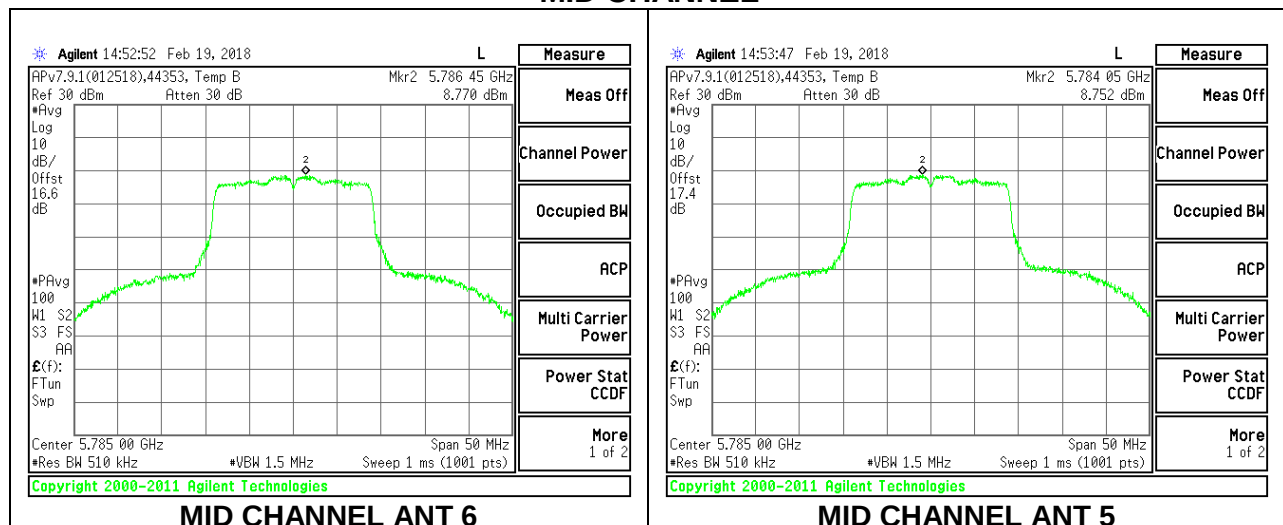
LOW CHANNEL



LOW CHANNEL ANT 6

LOW CHANNEL ANT 5

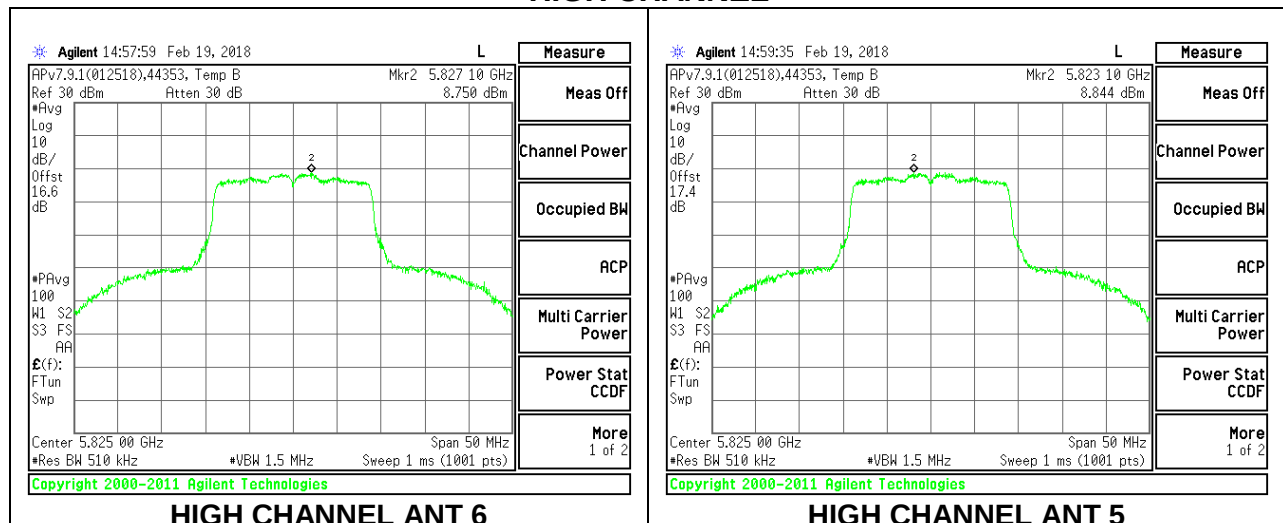
MID CHANNEL



MID CHANNEL ANT 6

MID CHANNEL ANT 5

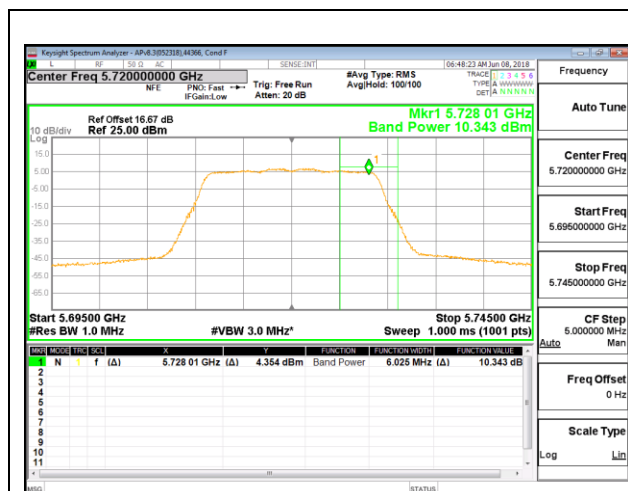
HIGH CHANNEL



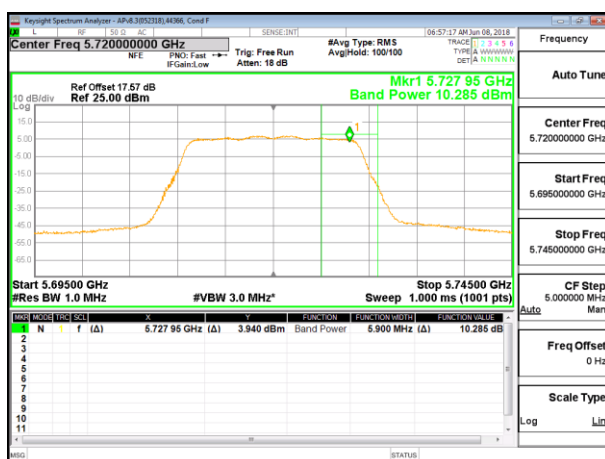
HIGH CHANNEL ANT 6

HIGH CHANNEL ANT 5

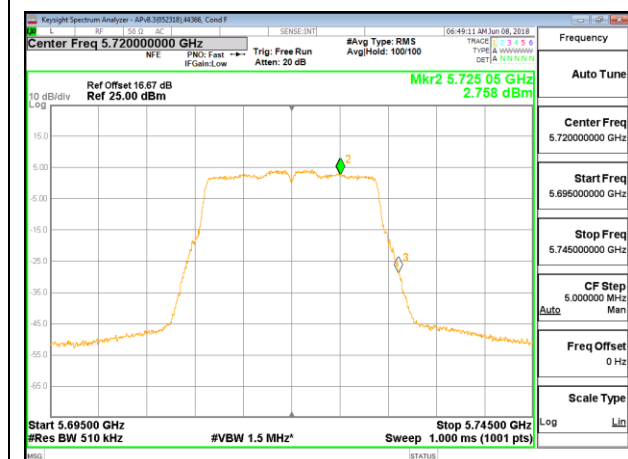
CHANNEL 144



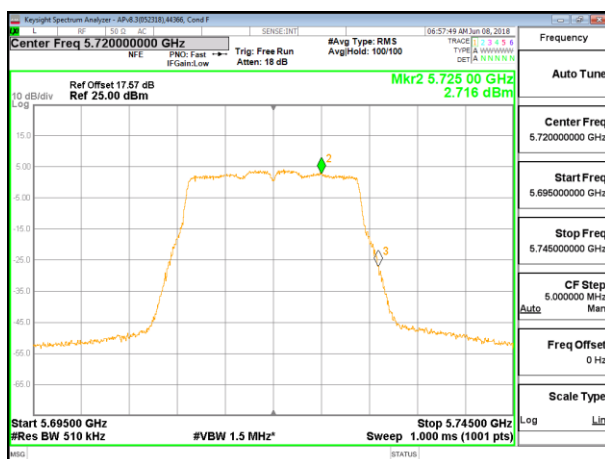
CHANNEL 144 POWER ANT 6



CHANNEL 144 POWER ANT 5



CHANNEL 144 PSD ANT 6



CHANNEL 144 PSD ANT 5

8.5.11. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	40.60	-2.20	30.00	30.00
High	5795	40.80	-2.20	30.00	30.00
142	5710	40.60	-2.20	30.00	30.00

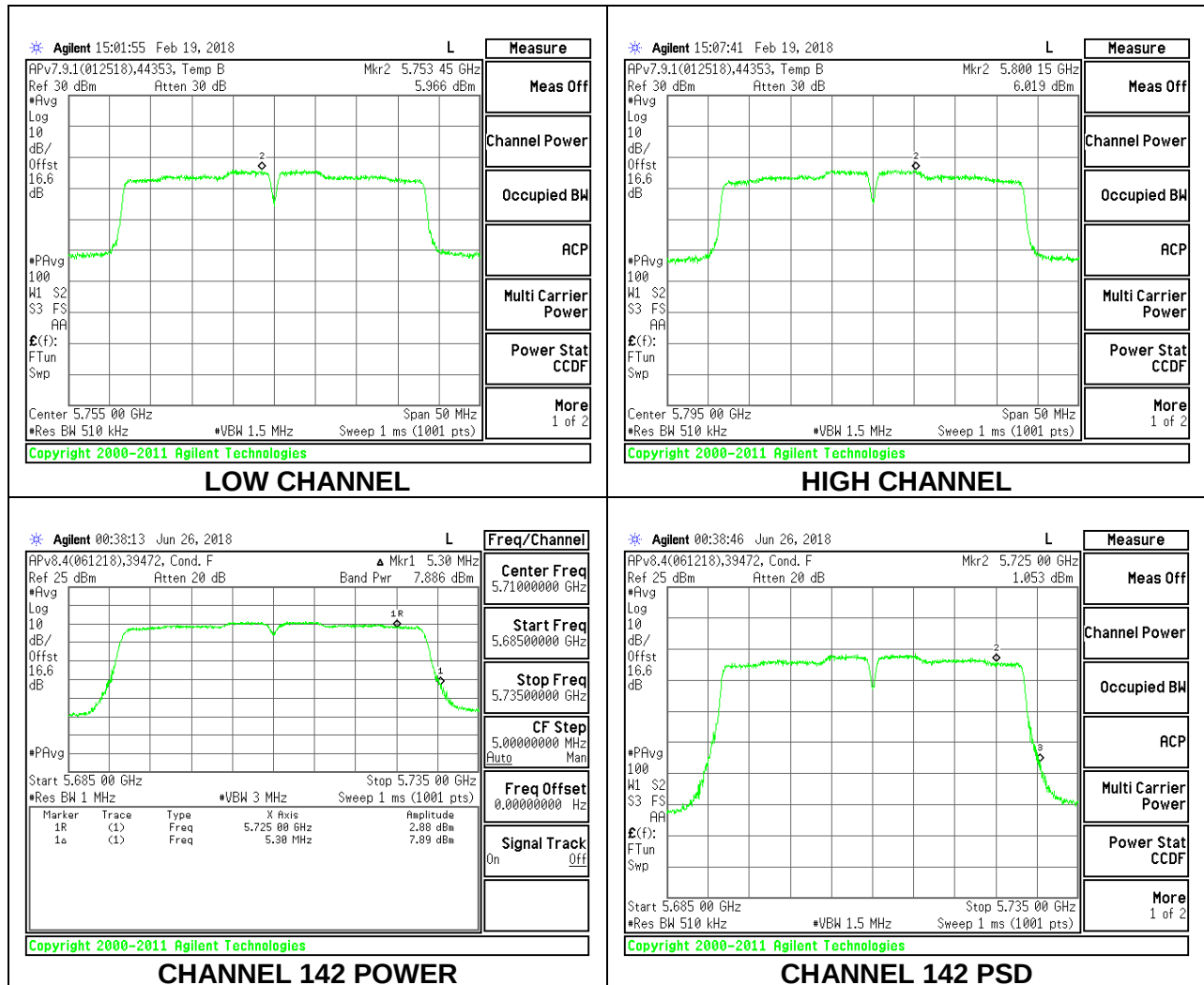
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (CH 142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.79	21.79	30.00	-8.21
High	5795	21.83	21.83	30.00	-8.17
142	5710	7.89	7.98	30.00	-22.02

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	5.97	6.06	30.00	-23.94
High	5795	6.02	6.11	30.00	-23.89
142	5710	1.05	1.14	30.00	-28.86



1TX Antenna 5 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	40.20	-5.70	30.00	30.00
High	5795	40.10	-5.70	30.00	30.00
142	5710	40.60	-5.70	30.00	30.00

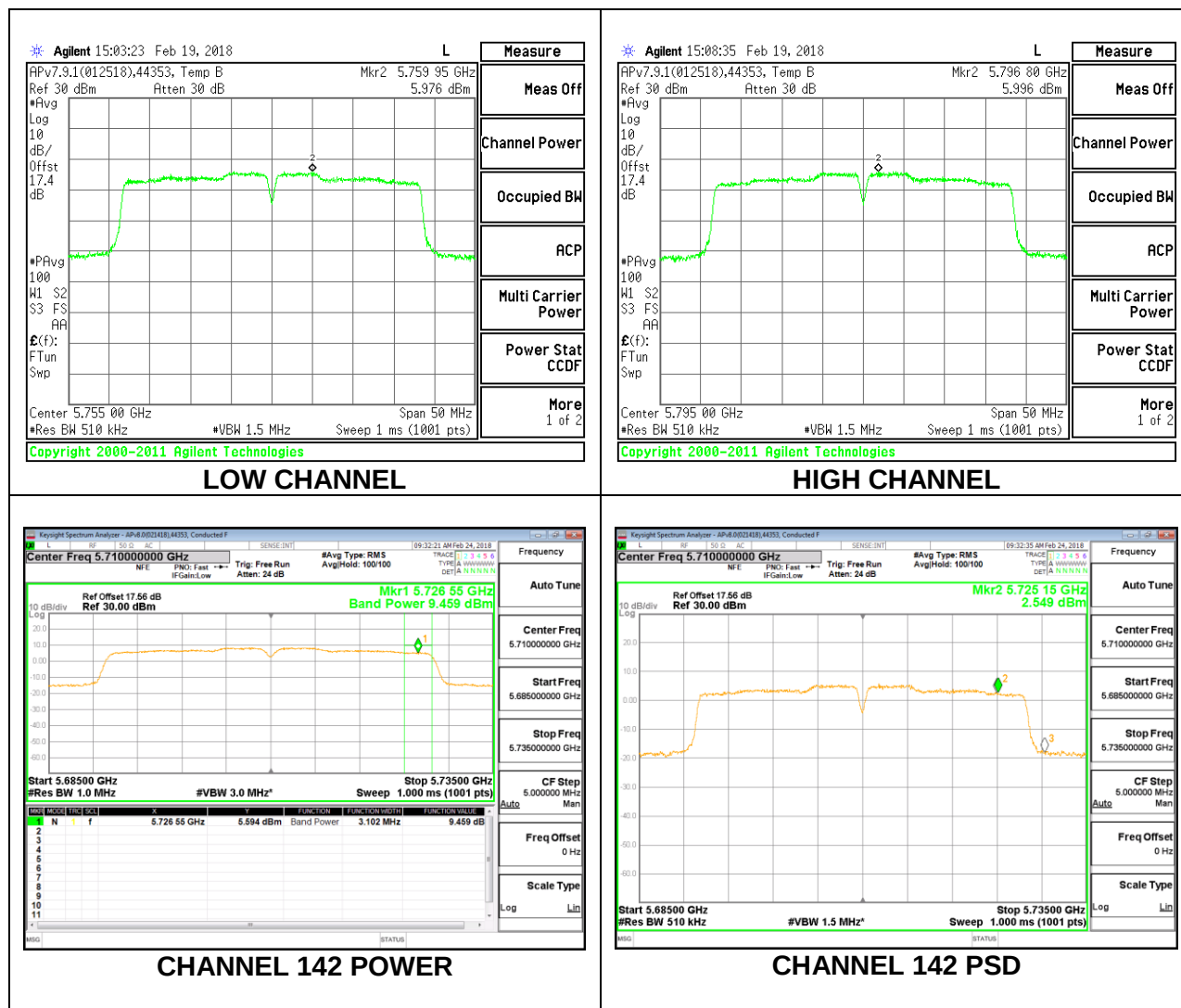
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power (CH 142) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.88	21.88	30.00	-8.12
High	5795	21.93	21.93	30.00	-8.07
142	5710	9.46	9.55	30.00	-20.45

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	5.98	6.07	30.00	-23.93
High	5795	6.00	6.09	30.00	-23.91
142	5710	2.55	2.64	30.00	-27.36



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

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	5755	40.70	-3.61	-0.76	30.00	30.00
High	5795	40.30	-3.61	-0.76	30.00	30.00
142	5710	40.60	-3.61	-0.76	30.00	30.00

Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd power (CH 142) & PSD
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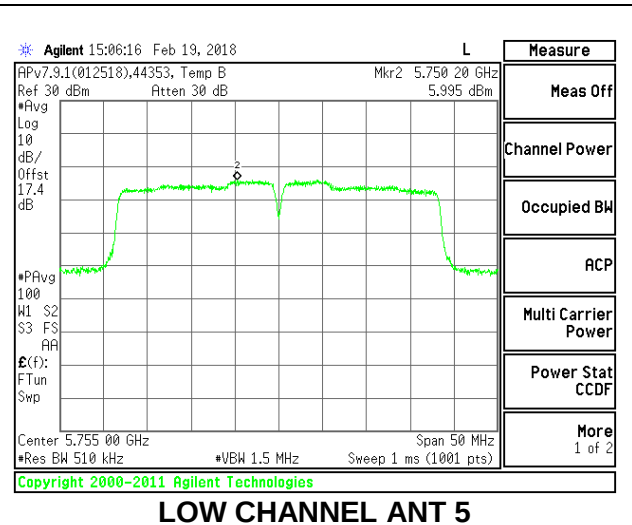
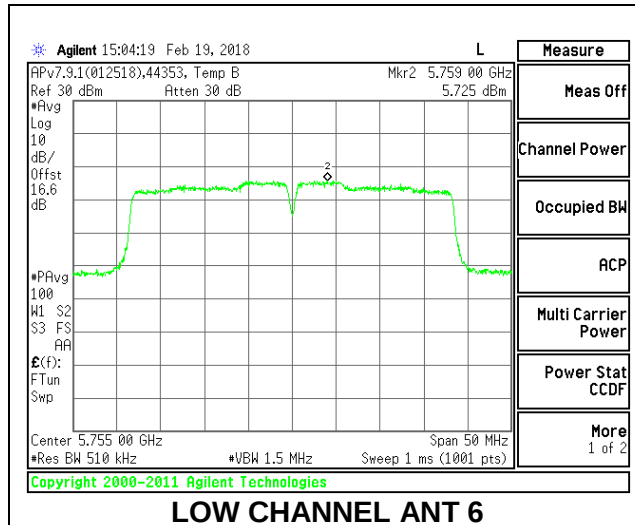
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	21.78	21.83	24.82	30.00	-5.18
High	5795	21.91	21.86	24.90	30.00	-5.10
142	5710	8.03	7.95	11.09	30.00	-18.91

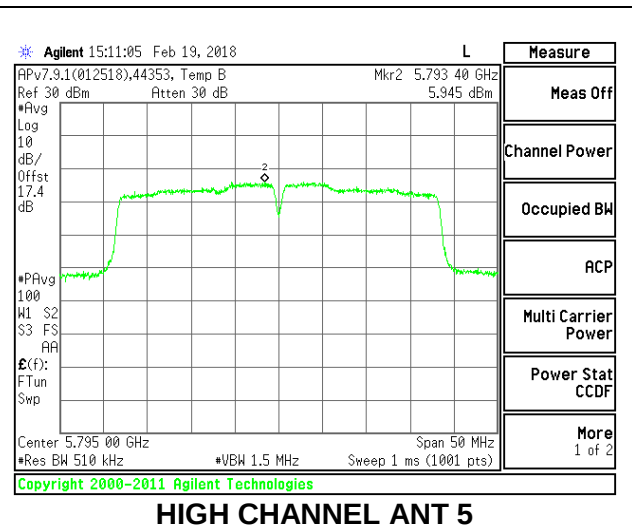
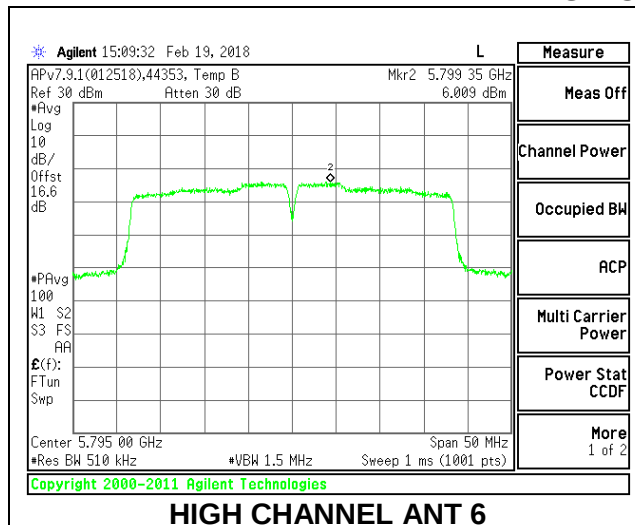
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5755	5.73	6.00	8.96	30.00	-21.04
High	5795	6.01	5.95	9.08	30.00	-20.92
142	5710	0.66	1.04	3.95	30.00	-26.05

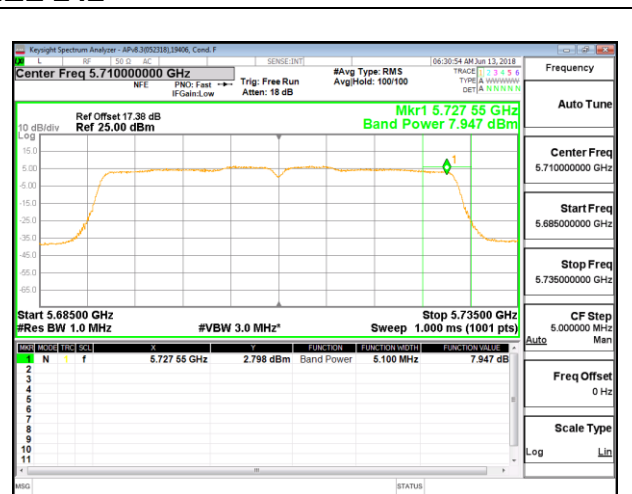
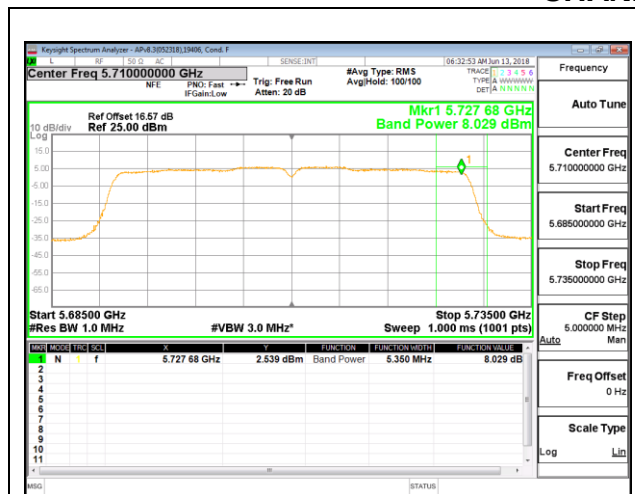
LOW CHANNEL

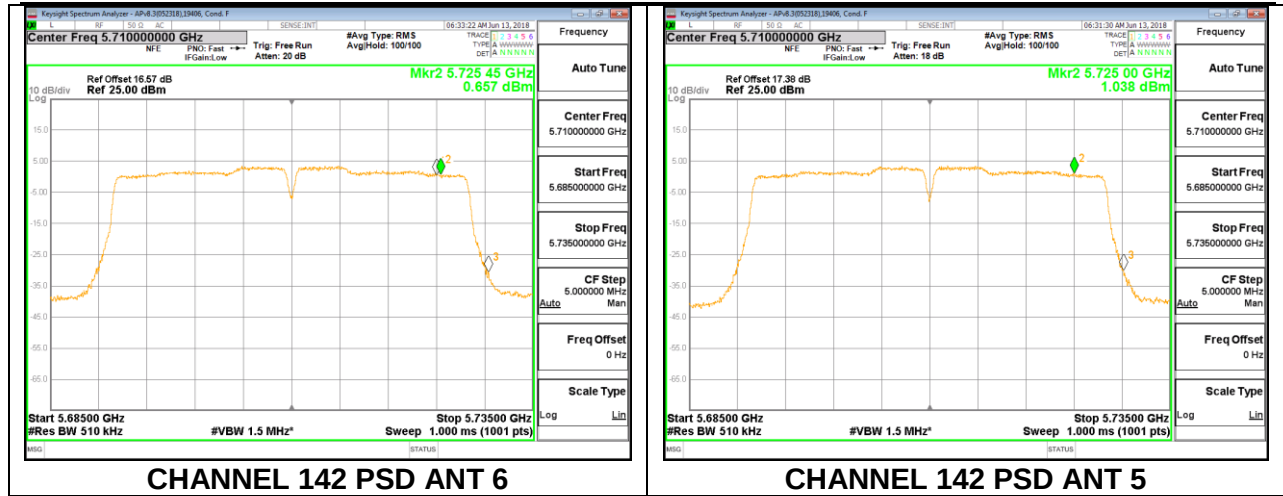


HIGH CHANNEL



CHANNEL 142





8.5.12. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 6 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	83.00	-2.20	30.00	30.00
138	5690	82.60	-2.20	30.00	30.00

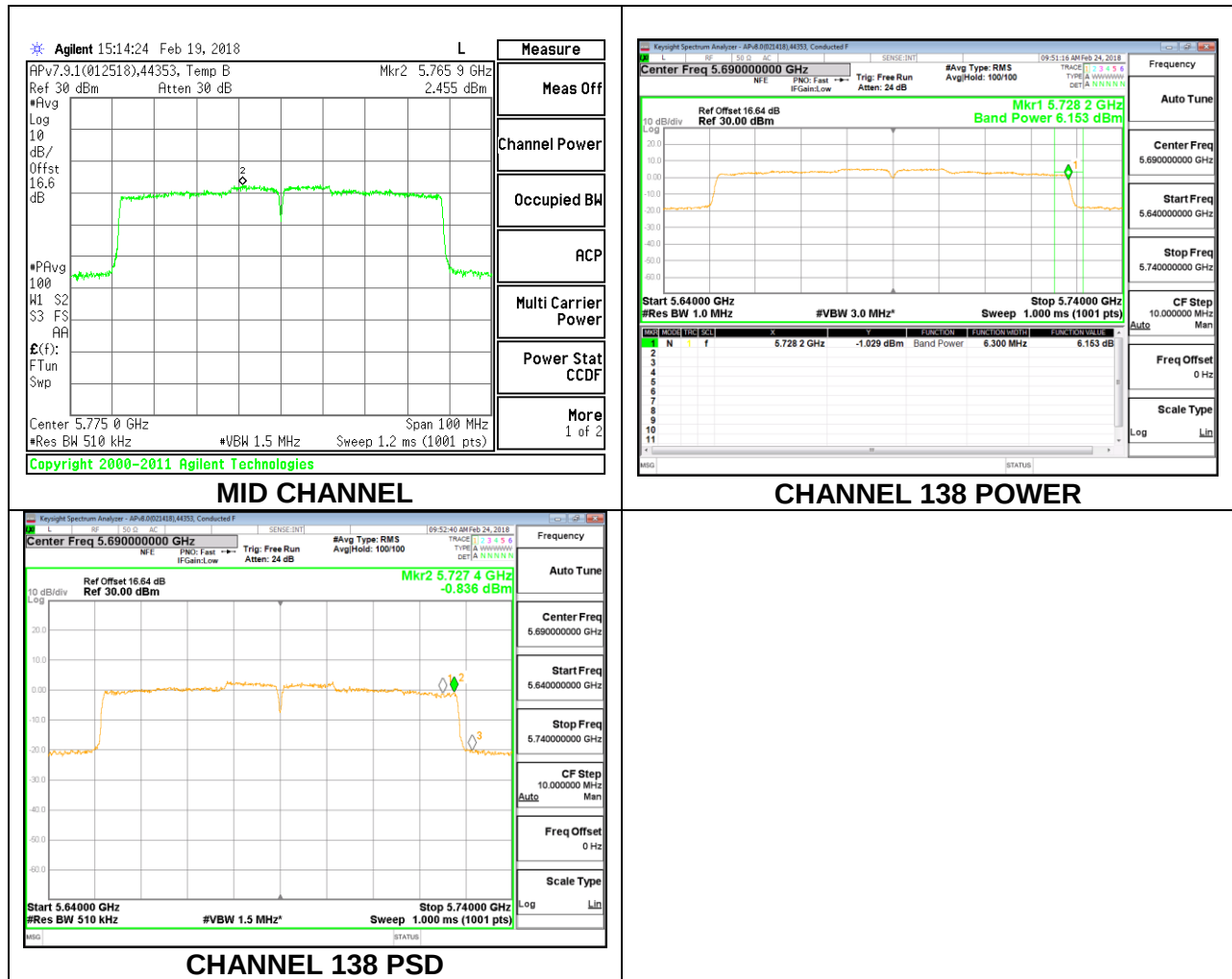
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH 138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.79	21.79	30.00	-8.21
138	5690	6.15	6.34	30.00	-23.66

PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5775	2.46	2.65	30.00	-27.36
138	5690	-0.84	-0.65	30.00	-30.65



1TX Antenna 5 (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	83.00	-5.70	30.00	30.00
138	5690	82.60	-5.70	30.00	30.00

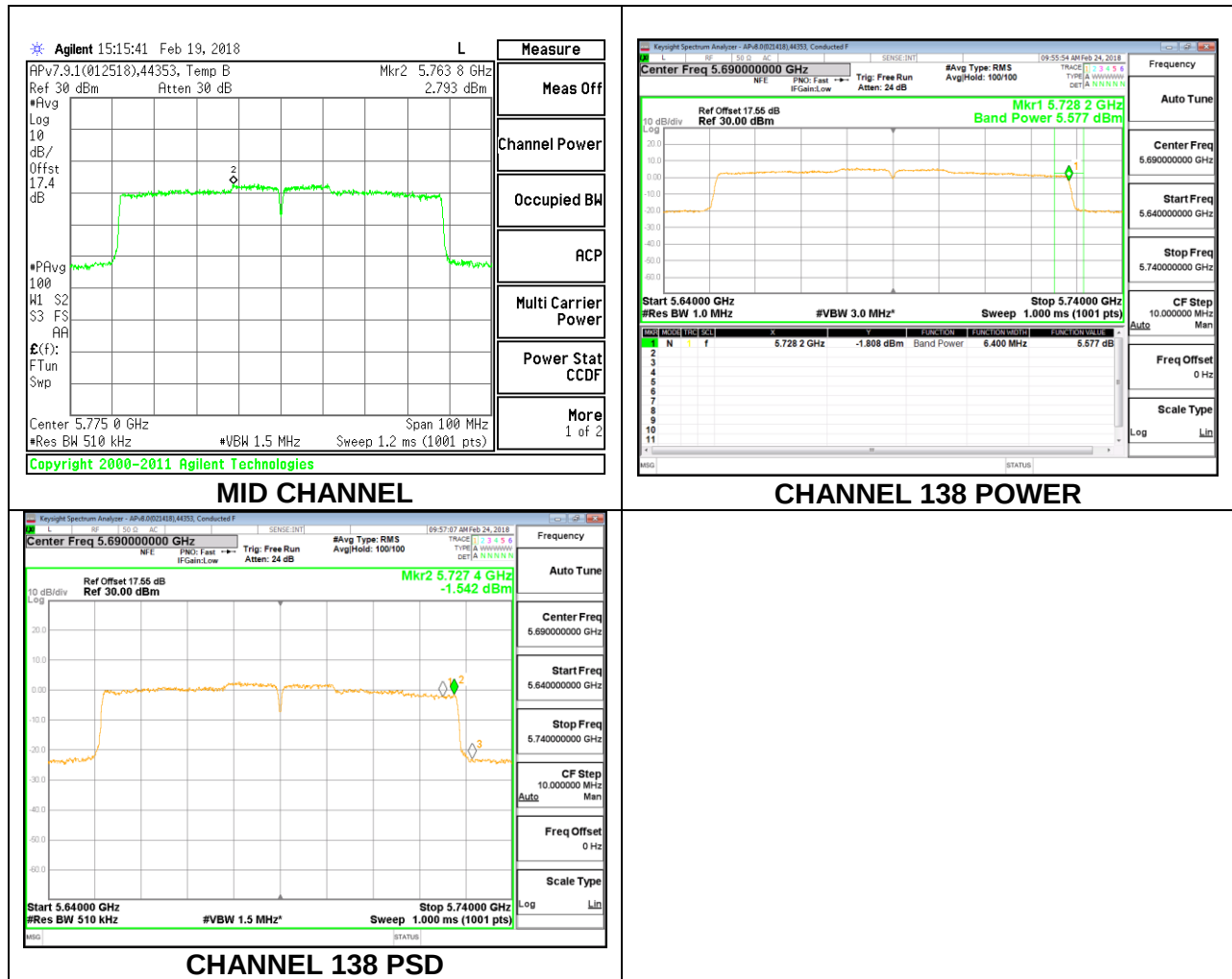
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH 138) & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	21.80	21.80	30.00	-8.20
138	5690	5.58	5.77	30.00	-24.23

PSD Results

Channel	Frequency (MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5775	2.79	2.98	30.00	-27.02
138	5690	-1.54	-1.35	30.00	-31.35



2TX Antenna 6 + Antenna 5 CDD MODE (FCC)

Antenna Gain and Limit

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	5755	82.80	-3.61	-0.76	30.00	30.00
138	5690	82.60	-3.61	-0.76	30.00	30.00

Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power (CH 138) & PSD
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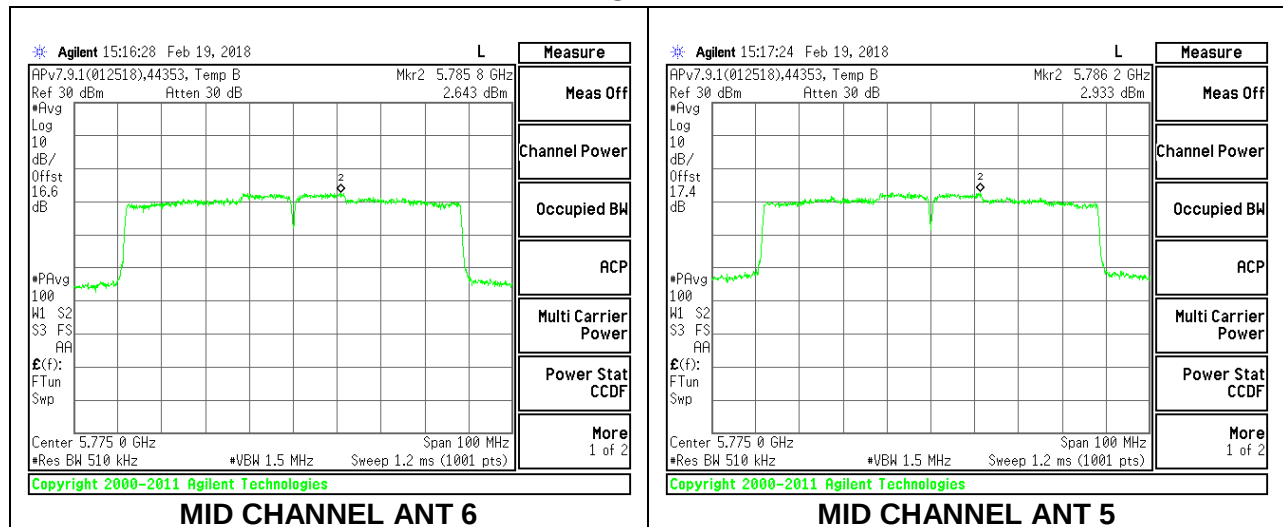
Output Power Results

Channel	Frequency (MHz)	Ant 6 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5755	21.75	21.87	24.82	30.00	-5.18
138	5690	4.69	4.55	7.82	30.00	-22.18

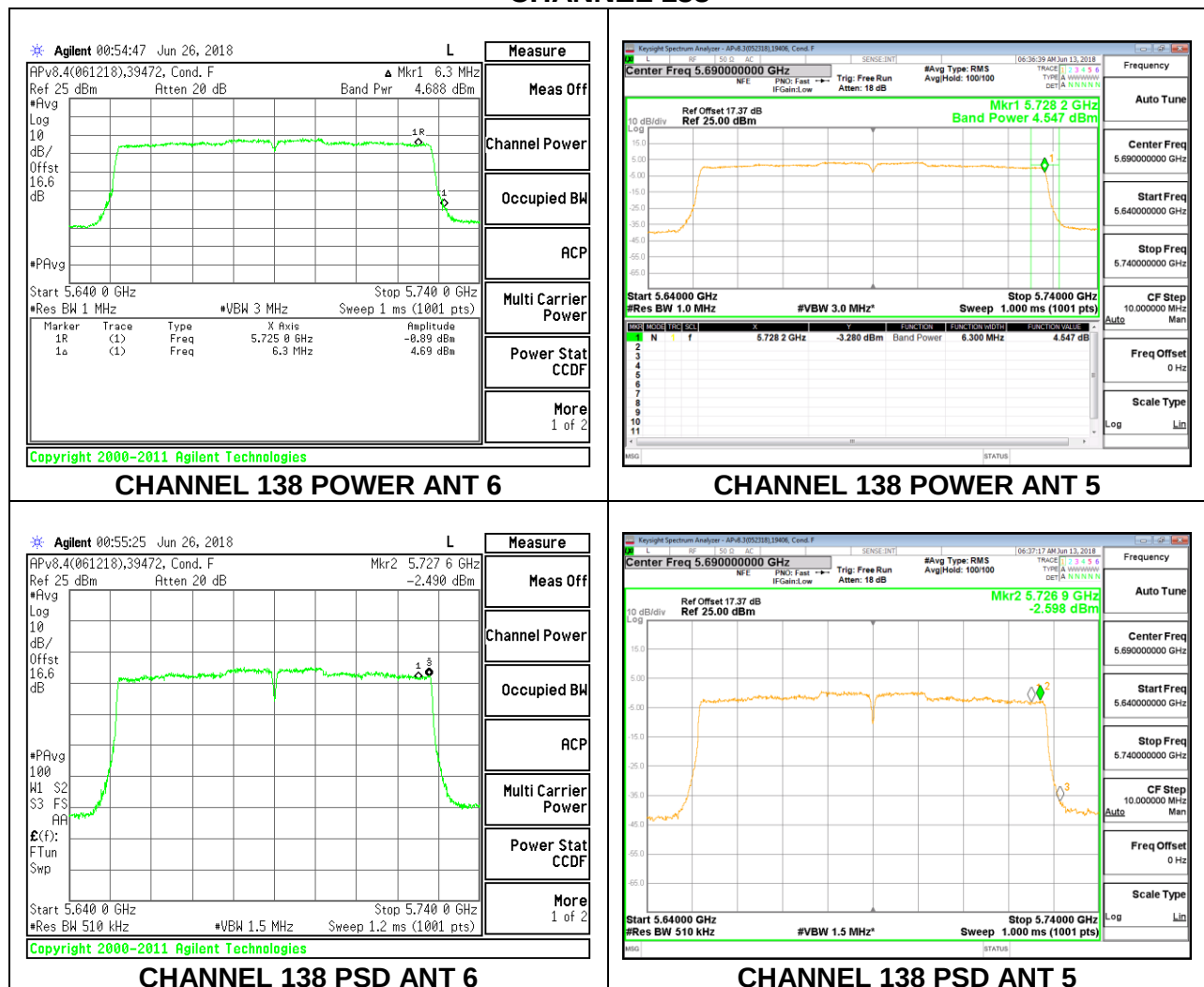
PSD Results

Channel	Frequency (MHz)	Ant 6 Meas PSD (dBm/ 1MHz)	Ant 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5755	2.64	2.93	5.99	30.00	-24.01
138	5690	-2.49	-2.60	0.66	30.00	-29.34

MID CHANNEL



CHANNEL 138



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.

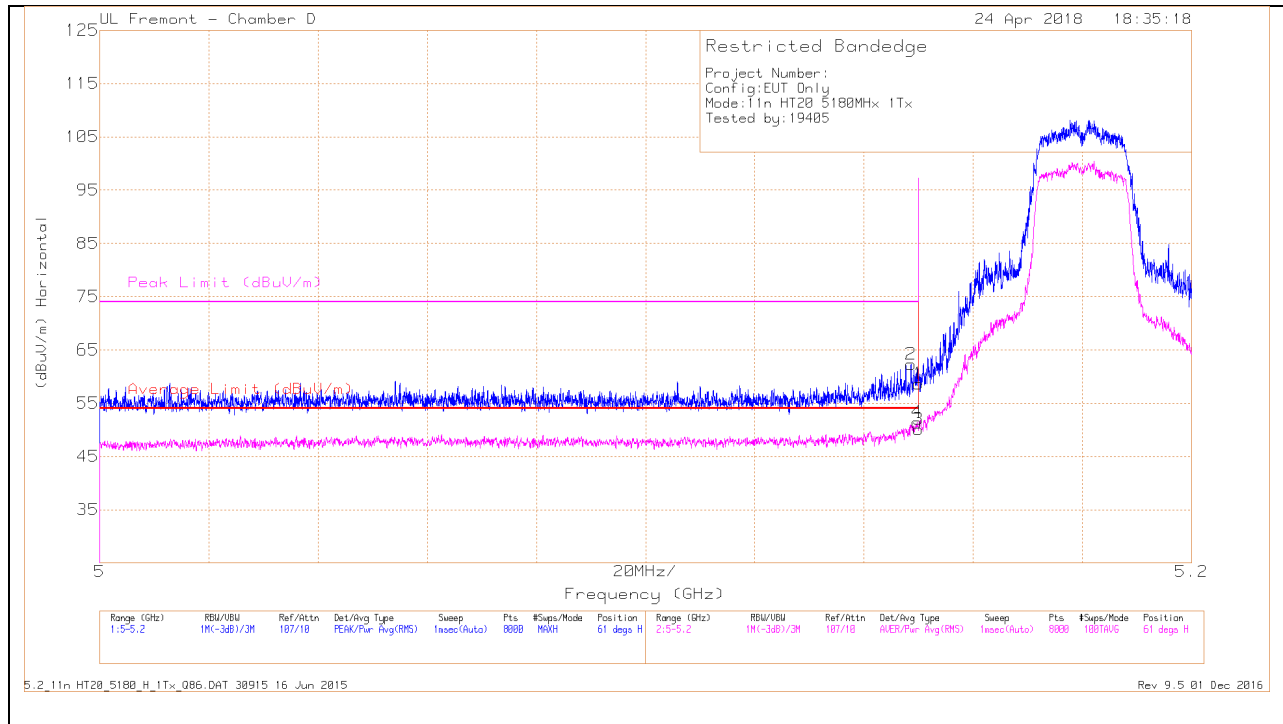
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



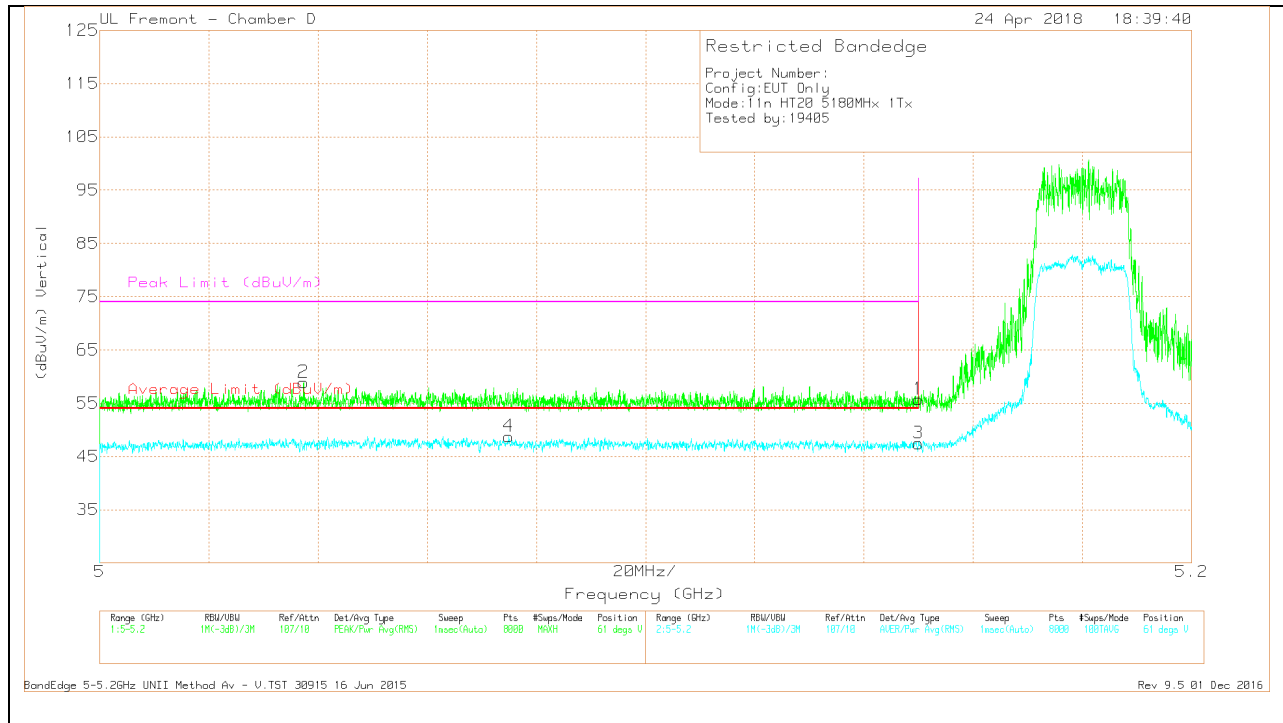
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.149	45.67	Pk	34.6	-18	62.27	-	-	74	-11.73	61	145	H
1	* 5.15	42.03	Pk	34.6	-18	58.63	-	-	74	-15.37	61	145	H
3	* 5.15	33.36	RMS	34.6	-18	49.96	54	-4.04	-	-	61	145	H
4	* 5.15	34.7	RMS	34.6	-18	51.3	54	-2.7	-	-	61	145	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.037	42.43	Pk	34.4	-17.9	58.93	-	-	74	-15.07	61	145	V
4	* 5.075	31.99	RMS	34.5	-17.7	48.79	54	-5.21	-	-	61	145	V
1	* 5.15	39.14	Pk	34.6	-18	55.74	-	-	74	-18.26	61	145	V
3	* 5.15	30.86	RMS	34.6	-18	47.46	54	-6.54	-	-	61	145	V

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

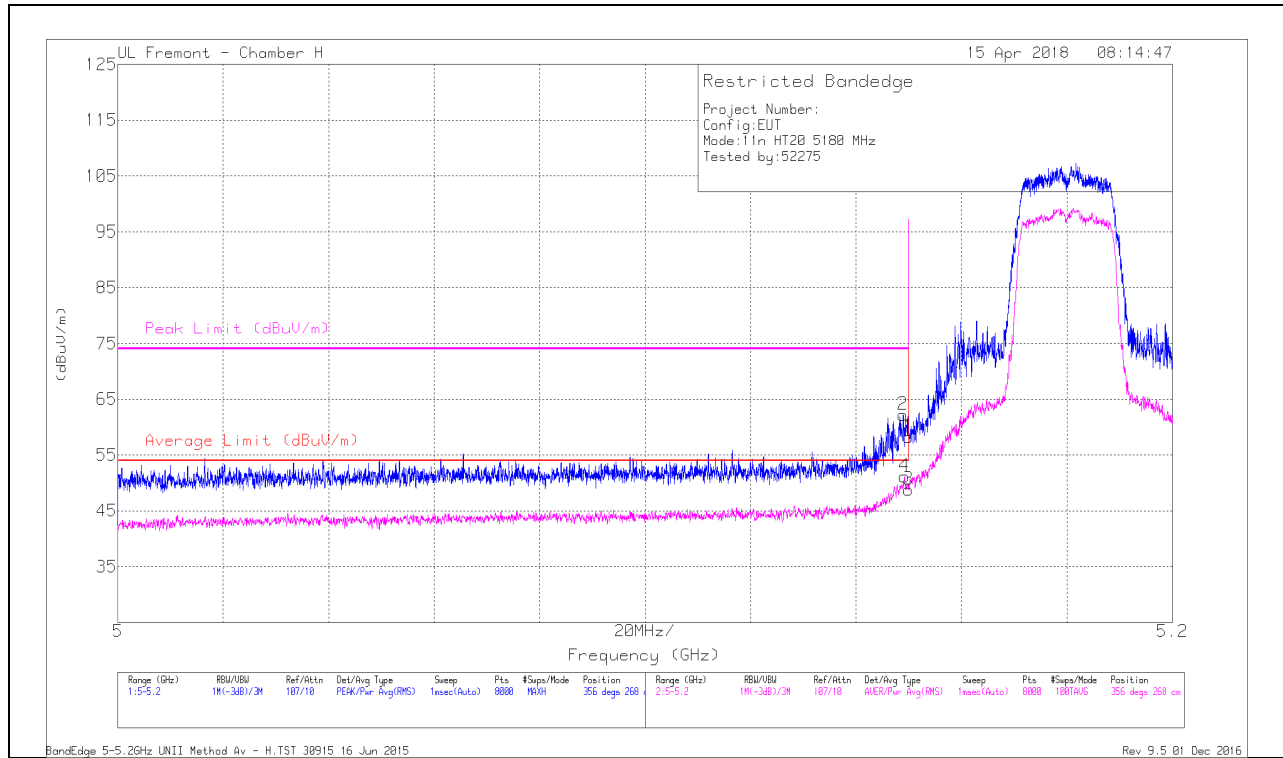
Pk - Peak detector

RMS - RMS detection

1TX Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



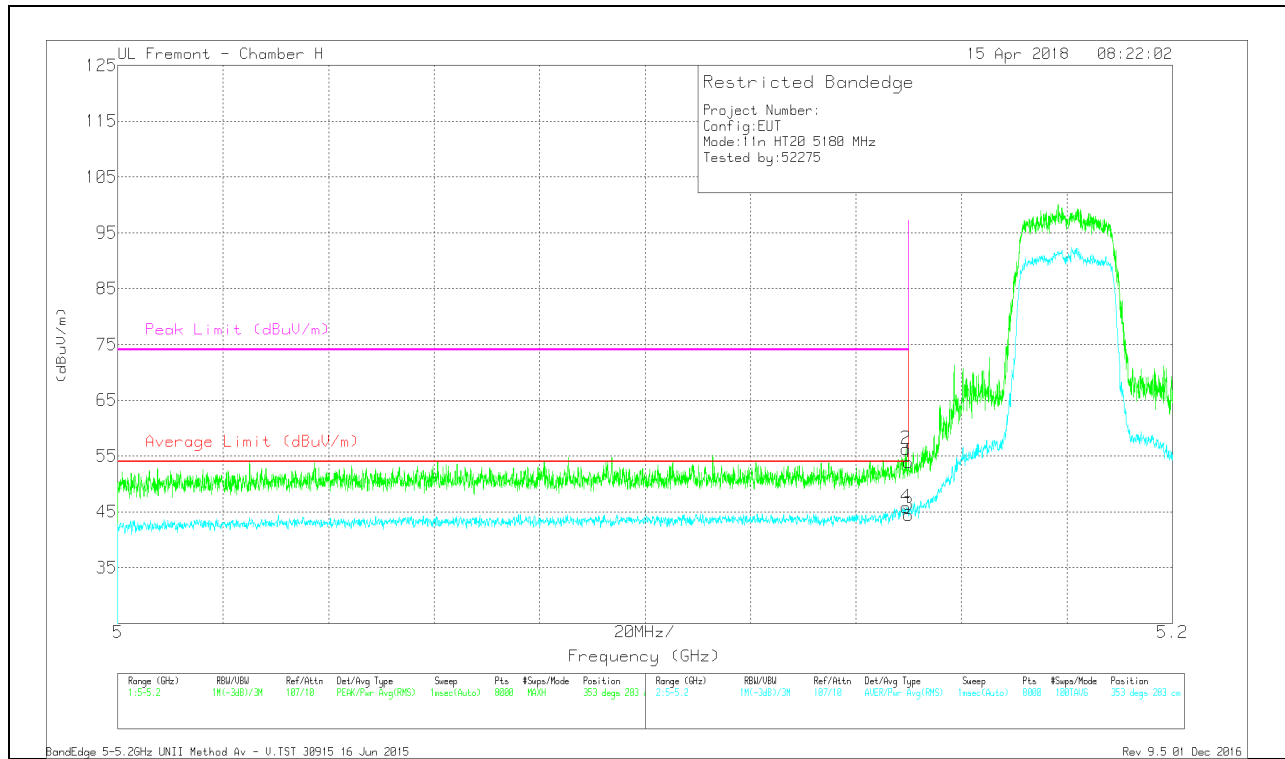
Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pa d (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.44	Pk	34.2	-24.4	58.24	-	-	74	-15.76	356	268	H
2	* 5.149	52.45	Pk	34.2	-24.4	62.25	-	-	74	-11.75	356	268	H
3	* 5.15	39.03	RMS	34.2	-24.4	48.83	54	-5.17	-	-	356	268	H
4	* 5.149	41.36	RMS	34.2	-24.4	51.16	54	-2.84	-	-	356	268	H

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

Pk - Peak detector

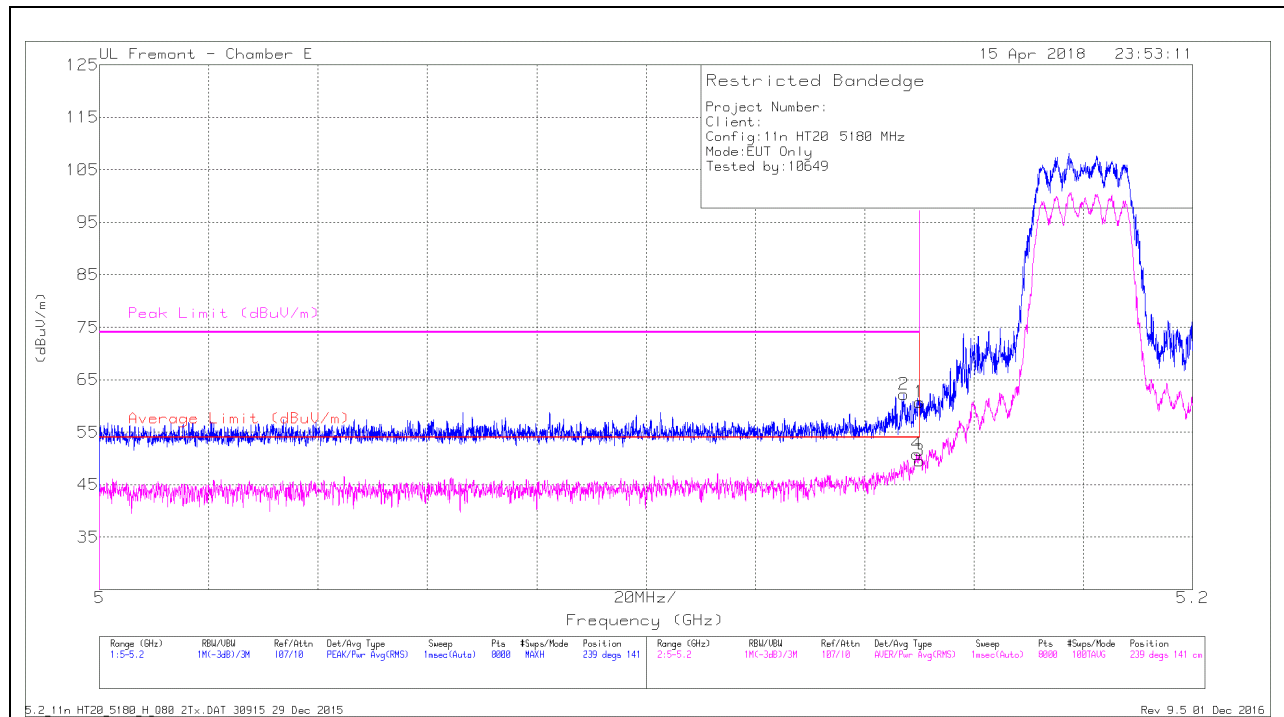
RMS - RMS detection

VERTICAL RESULT



Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T344 (dB/m)	Amp/Cbl /Ftr/Pa d (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	44.06	Pk	34.2	-24.4	53.86	-	-	74	-20.14	353	283	V
2	* 5.15	46.48	Pk	34.2	-24.4	56.28	-	-	74	-17.72	353	283	V
3	* 5.15	34.61	RMS	34.2	-24.4	44.41	54	-9.59	-	-	353	283	V
4	* 5.15	36.01	RMS	34.2	-24.4	45.81	54	-8.19	-	-	353	283	V

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

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

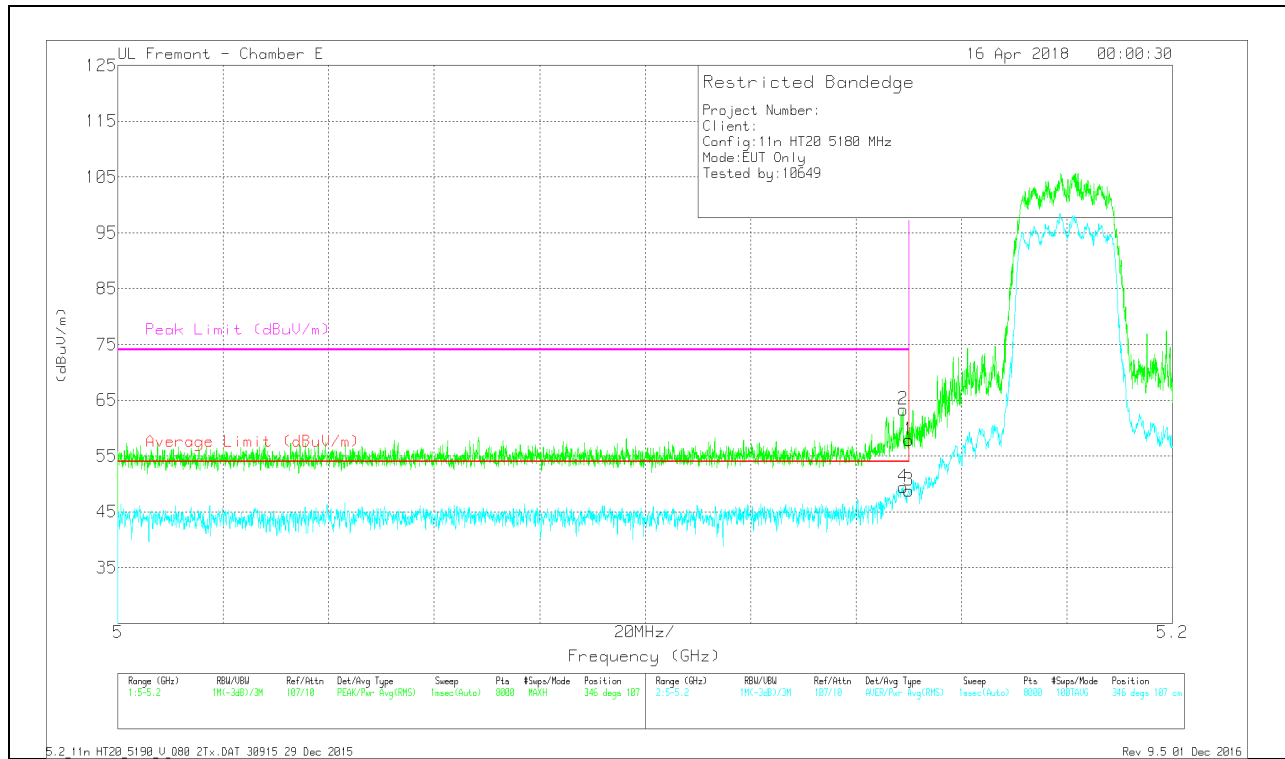
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	47.3	Pk	34.7	-19.8	62.2	-	-	74	-11.8	239	141	H
4	* 5.149	35.76	RMS	34.8	-19.8	50.76	54	-3.24	-	-	239	141	H
1	* 5.15	45.77	Pk	34.8	-19.8	60.77	-	-	74	-13.23	239	141	H
3	* 5.15	34.57	RMS	34.8	-19.8	49.57	54	-4.43	-	-	239	141	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

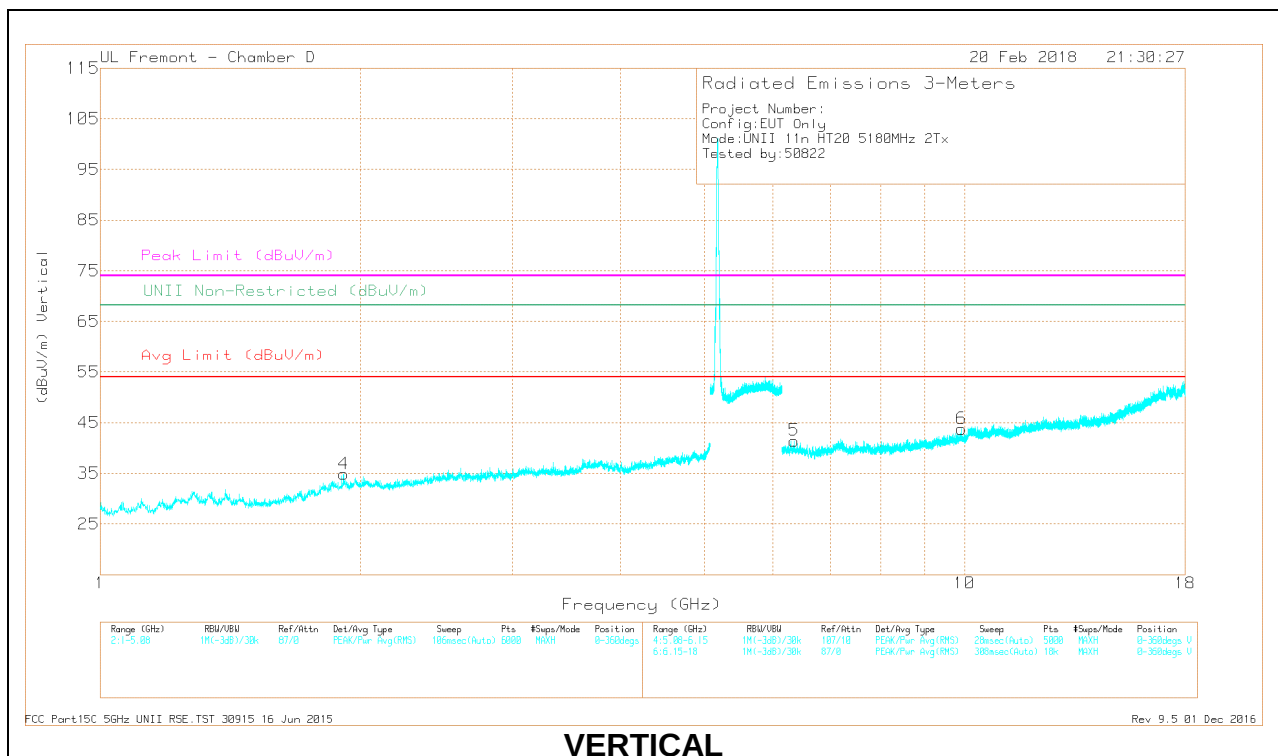
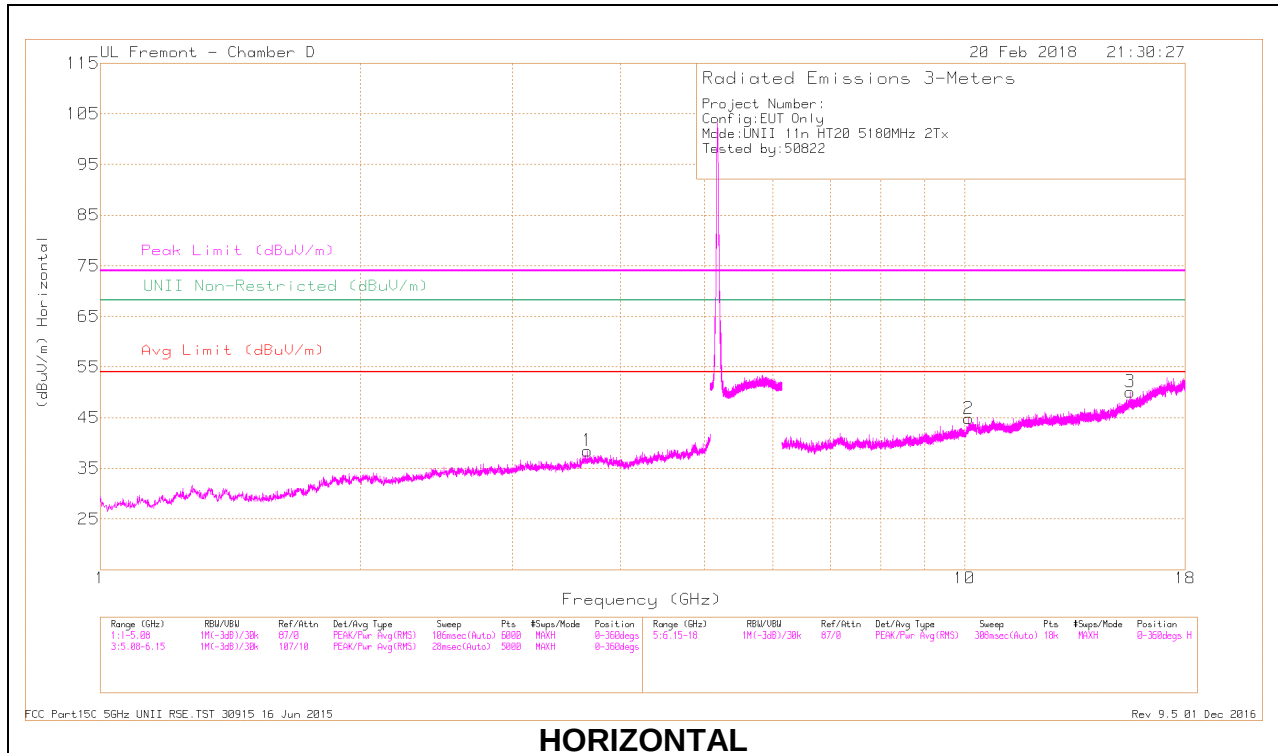


Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl /Fitr/Pa d (dB)	Correcte d Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.87	Pk	34.8	-19.8	57.87	-	-	74	-16.13	346	107	V
2	* 5.149	48.31	Pk	34.8	-19.8	63.31	-	-	74	-10.69	346	107	V
3	* 5.15	33.8	RMS	34.8	-19.8	48.8	54	-5.2	-	-	346	107	V
4	* 5.149	34.41	RMS	34.8	-19.8	49.41	54	-4.59	-	-	346	107	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

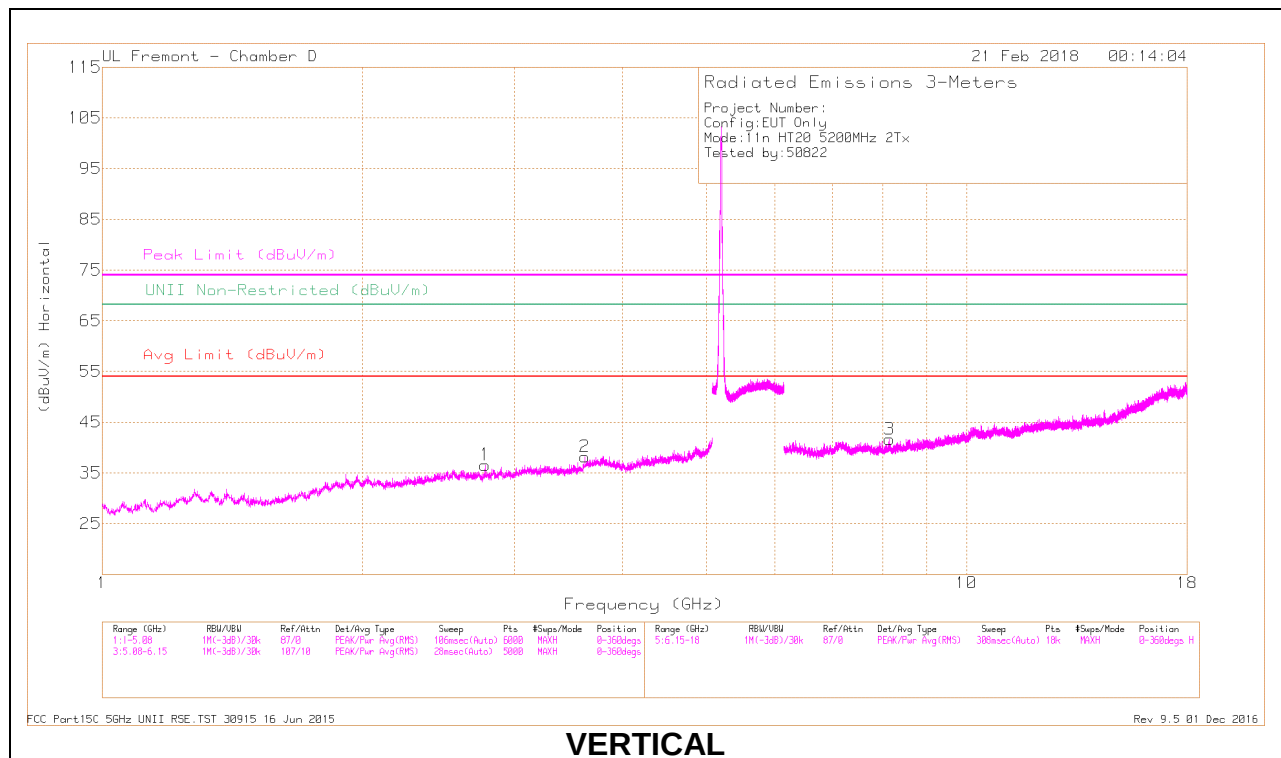
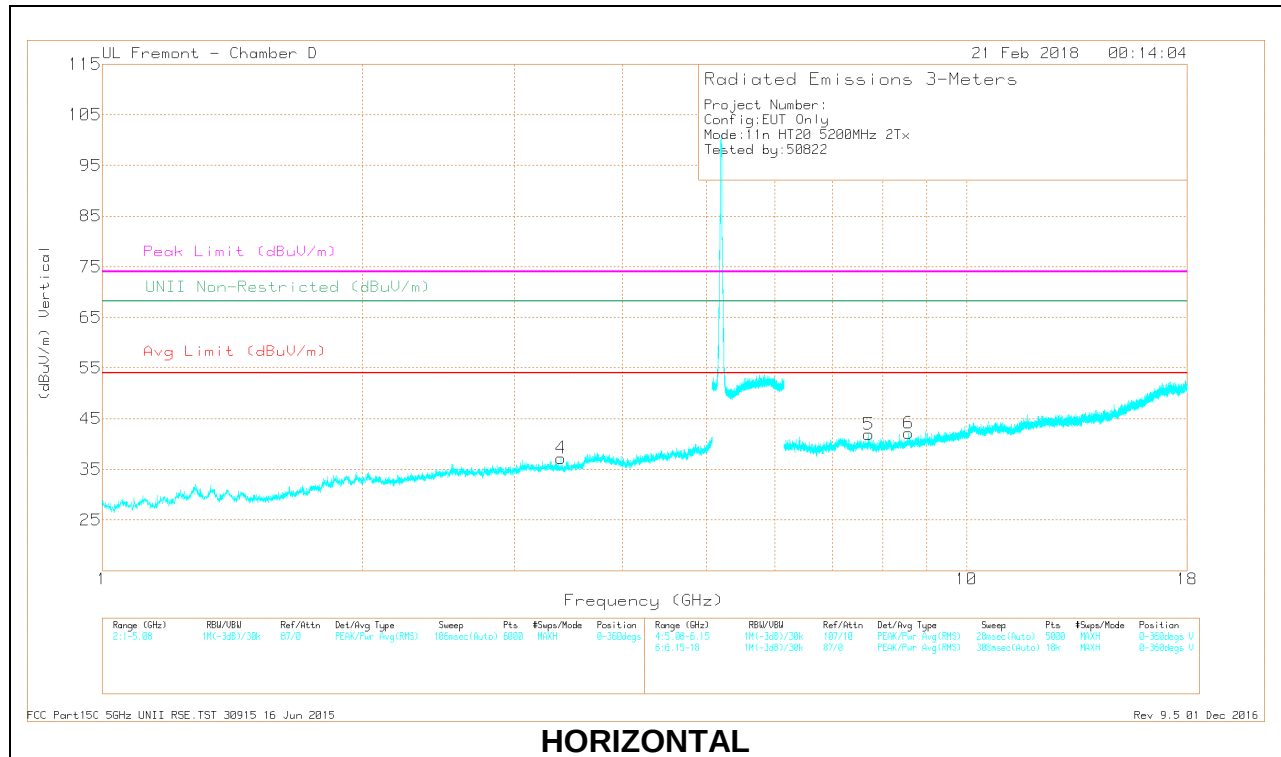
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.663	38.09	PK-U	33.6	-28.7	42.99	-	-	74	-31.01	-	-	356	348	H
	* 3.66	26.52	ADR	33.7	-28.7	31.52	54	-22.48	-	-	-	-	356	348	H
3	* 15.541	34.39	PK-U	40.9	-20.1	55.19	-	-	74	-18.81	-	-	352	115	H
	* 15.541	22.91	ADR	40.9	-20.1	43.71	54	-10.29	-	-	-	-	352	115	H
4	1.912	40.95	PK-U	31.5	-31	41.45	-	-	-	-	68.2	-26.75	275	103	V
5	6.355	36.67	PK-U	35.9	-25.4	47.17	-	-	-	-	68.2	-21.03	19	116	V
6	9.919	32.44	PK-U	37.1	-20.4	49.14	-	-	-	-	68.2	-19.06	231	318	V
2	10.112	33.57	PK-U	37.4	-20.1	50.87	-	-	-	-	68.2	-17.33	127	110	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

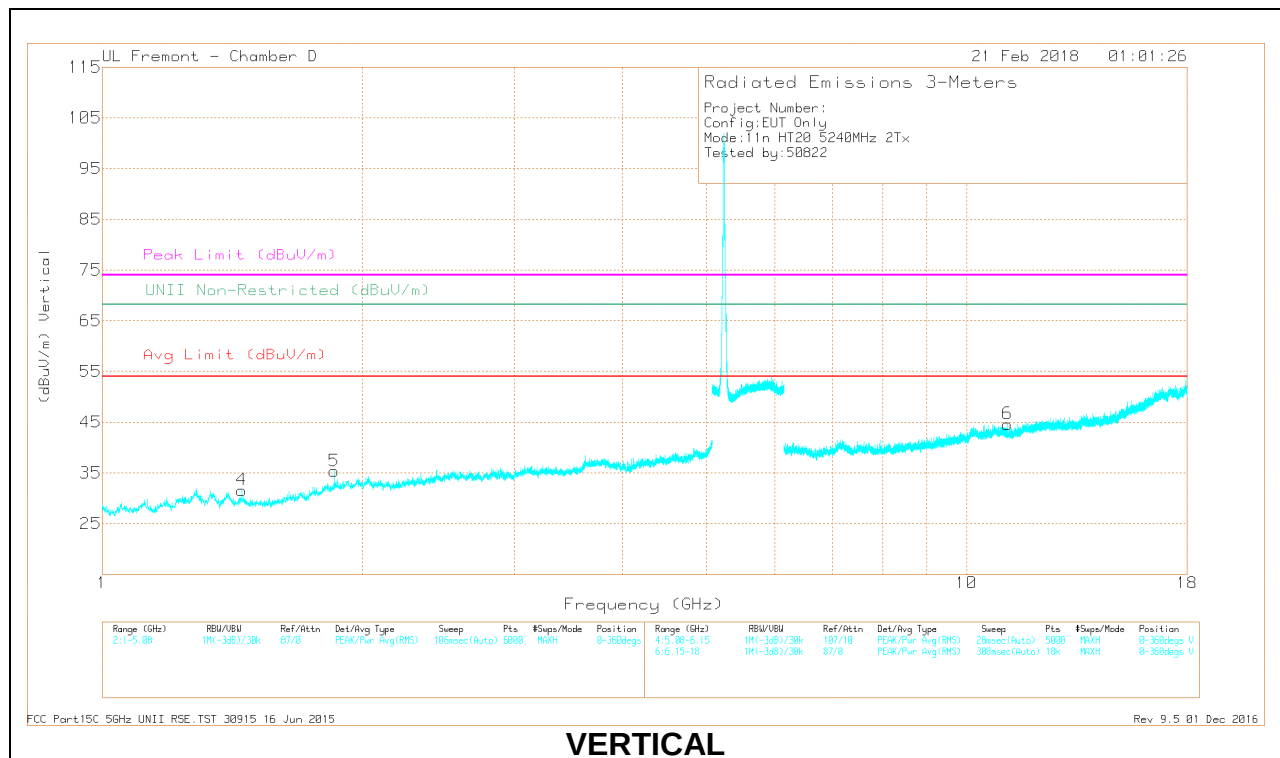
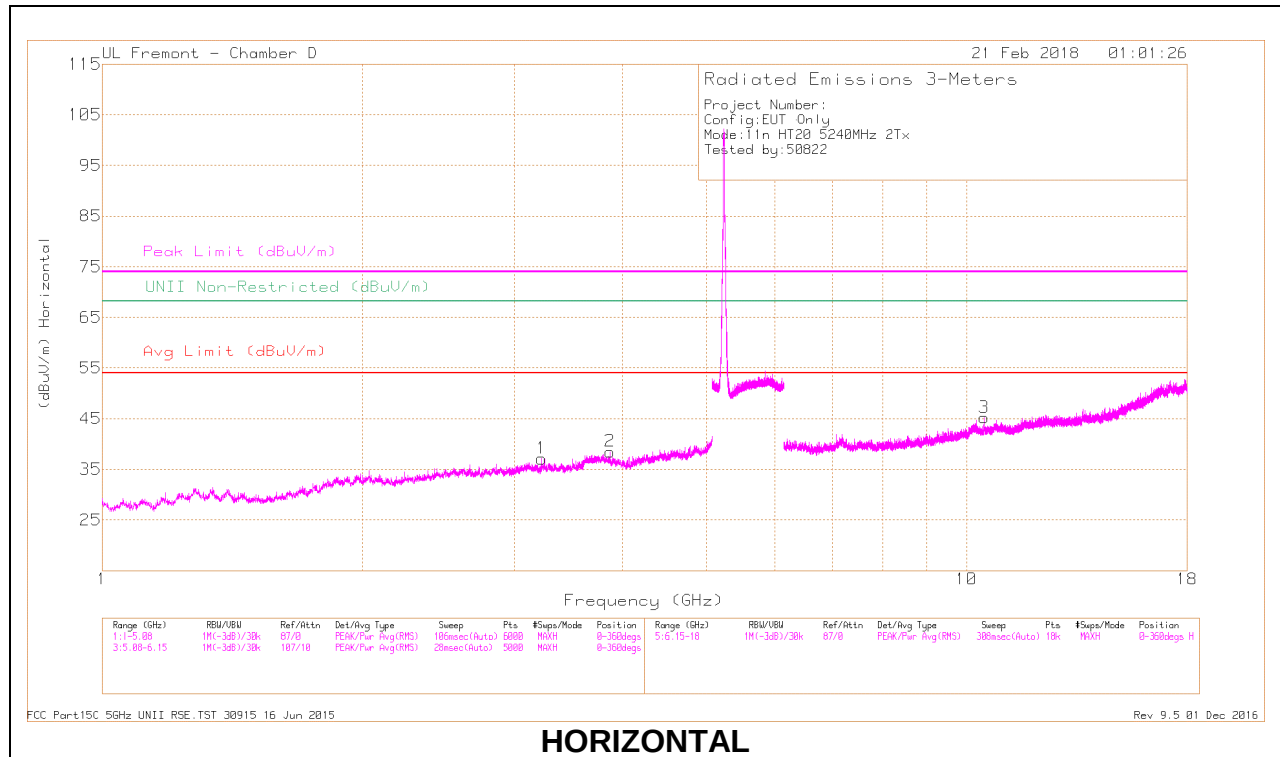
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T136 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.773	39.96	PK-U	32.5	-29.6	42.86	-	-	74	-31.14	-	-	342	356	H
	* 2.775	27.81	ADR	32.6	-29.6	30.81	54	-23.19	-	-	-	-	342	356	H
2	* 3.619	38	PK-U	33.6	-28.7	42.9	-	-	74	-31.1	-	-	4	170	H
	* 3.618	26.43	ADR	33.6	-28.7	31.33	54	-22.67	-	-	-	-	4	170	H
3	* 8.145	35.74	PK-U	35.8	-23.3	48.24	-	-	74	-25.76	-	-	306	349	H
	* 8.144	23.68	ADR	35.8	-23.4	36.08	54	-17.92	-	-	-	-	306	349	H
5	* 7.71	35.21	PK-U	36	-23.7	47.51	-	-	74	-26.49	-	-	218	110	V
	* 7.706	23.88	ADR	36	-23.8	36.08	54	-17.92	-	-	-	-	218	110	V
4	3.396	39.46	PK-U	33.1	-29	43.56	-	-	-	-	68.2	-24.64	117	109	V
6	8.569	34.44	PK-U	35.9	-22.2	48.14	-	-	-	-	68.2	-20.06	165	231	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 T136 (dB/m)	Amp/Cbl/Filtr/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	* 3.867	39.1	PK-U	33.6	-28.7	0	44	-	-	74	-30	-	-	315	109	H
	* 3.867	27.06	ADR	33.6	-28.7	0	31.96	54	-22.04	-	-	-	-	315	109	H
4	* 1.451	40.66	PK-U	28.4	-31.2	0	37.86	-	-	74	-36.14	-	-	182	103	V
	* 1.453	28.72	ADR	28.4	-31.2	0	25.92	54	-28.08	-	-	-	-	182	103	V
6	* 11.153	33.67	PK-U	37.8	-20.8	0	50.67	-	-	74	-23.33	-	-	23	110	V
	* 11.157	21.88	ADR	37.8	-20.8	0	38.88	54	-15.12	-	-	-	-	23	110	V
5	1.856	40.75	PK-U	31.3	-31.1	0	40.95	-	-	-	-	68.2	-27.25	128	232	V
1	3.226	38.99	PK-U	33.1	-29.1	0	42.99	-	-	-	-	68.2	-25.21	1	168	H
3	10.479	35.77	PK-U	37.5	-20.9	0	52.37	-	-	-	-	68.2	-15.83	179	204	H

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

PK-U - U-NII: Maximum Peak

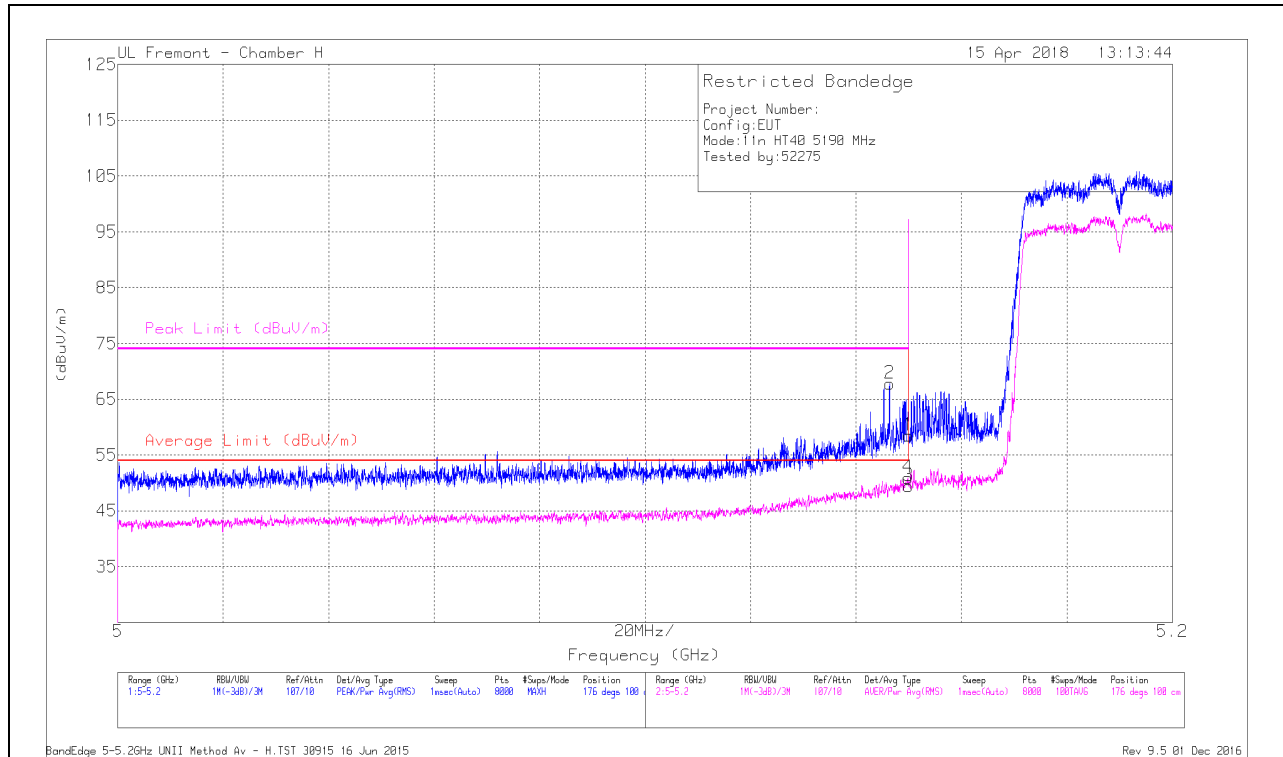
ADR - U-NII AD primary method, RMS average

9.1.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 6

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



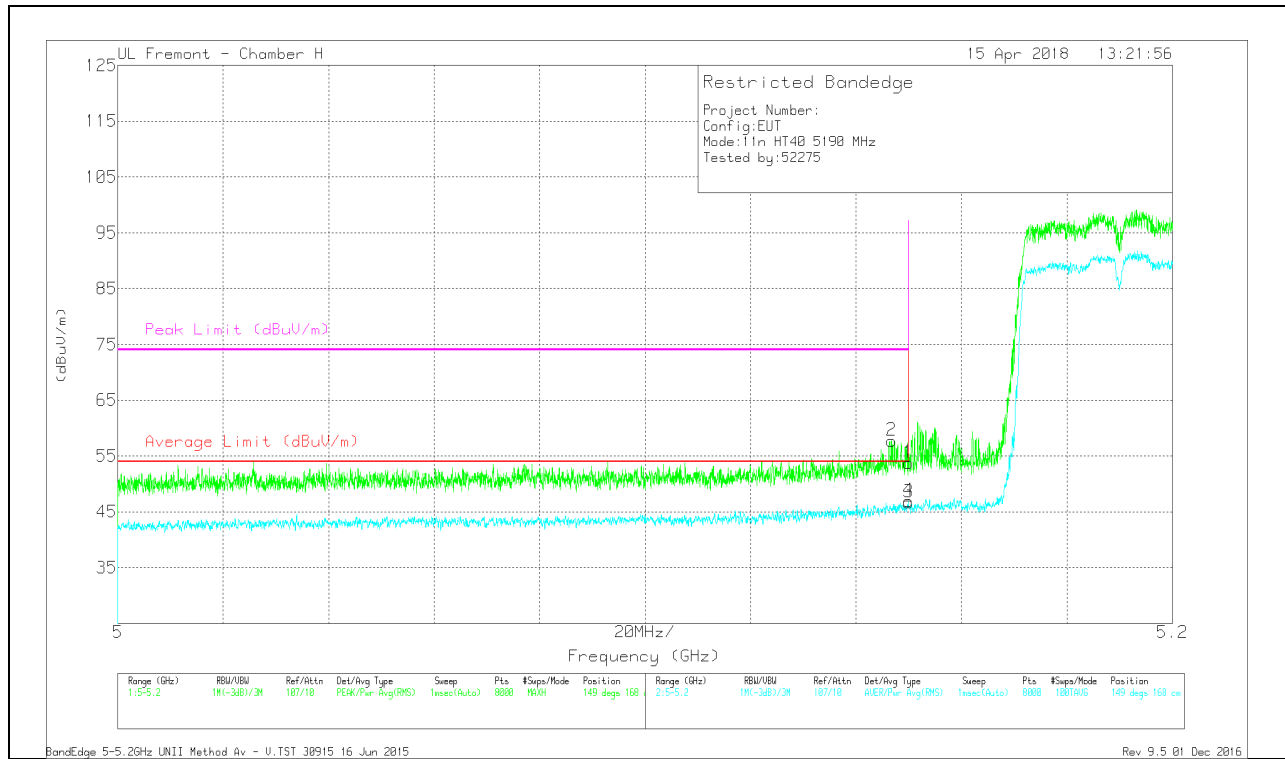
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (dB/m)	Amp/Cb/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	48.65	Pk	34.2	-24.4	0	58.45	-	-	74	-15.55	176	100	H
2	* 5.146	57.99	Pk	34.2	-24.4	0	67.79	-	-	74	-6.21	176	100	H
3	* 5.15	39.63	RMS	34.2	-24.4	.09	49.52	54	-4.48	-	-	176	100	H
4	* 5.15	41.12	RMS	34.2	-24.4	.09	51.01	54	-2.99	-	-	176	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



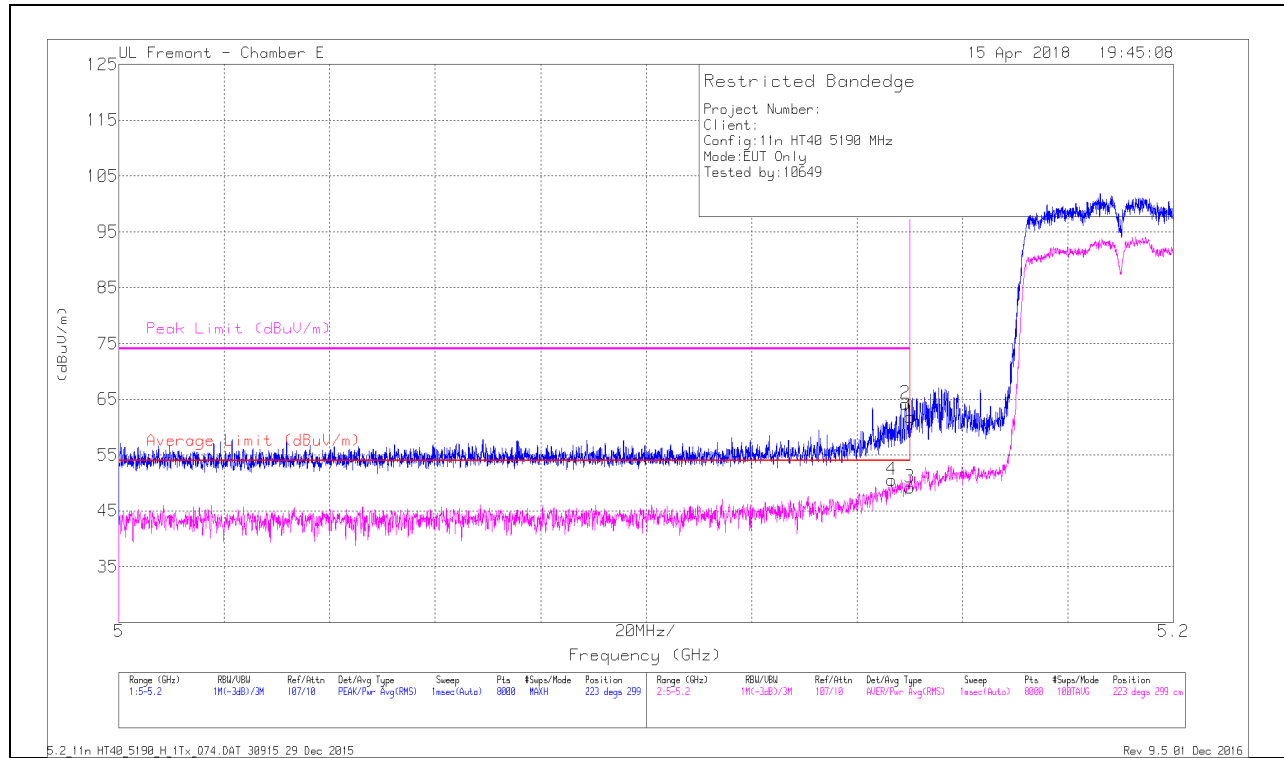
Marker	Frequ ncy (GHz)	Meter Readin g (dBuV)	Det	AF T344 (dB/m)	Amp/C bl/Filtr/ Pad (dB)	DC Corr (dB)	Correct ed Readin g (dBuV/ m)	Averag e Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimet h (Degs)	Height (cm)	Polarity
1	* 5.15	43.93	Pk	34.2	-24.4	0	53.73	-	-	74	-20.27	149	168	V
2	* 5.147	47.89	Pk	34.2	-24.4	0	57.69	-	-	74	-16.31	149	168	V
3	* 5.15	36.94	RMS	34.2	-24.4	.09	46.83	54	-7.17	-	-	149	168	V
4	* 5.15	37.19	RMS	34.2	-24.4	.09	47.08	54	-6.92	-	-	149	168	V

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

1TX Antenna 5

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



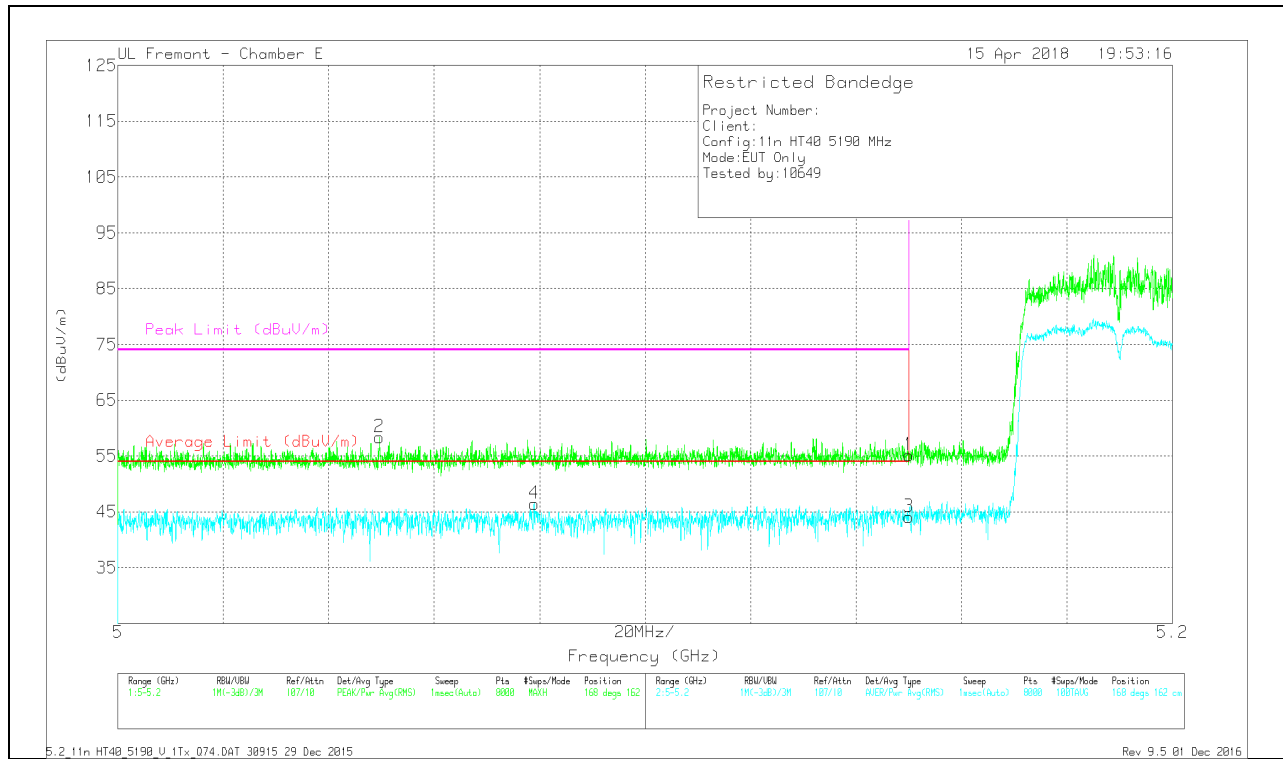
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	46.85	Pk	34.8	-19.8	0	61.85	-	-	74	-12.15	223	299	H
2	* 5.149	49.2	Pk	34.8	-19.8	0	64.2	-	-	74	-9.8	223	299	H
3	* 5.15	34.23	RMS	34.8	-19.8	.09	49.32	54	-4.68	-	-	223	299	H
4	* 5.147	35.65	RMS	34.7	-19.8	.09	50.64	54	-3.36	-	-	223	299	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

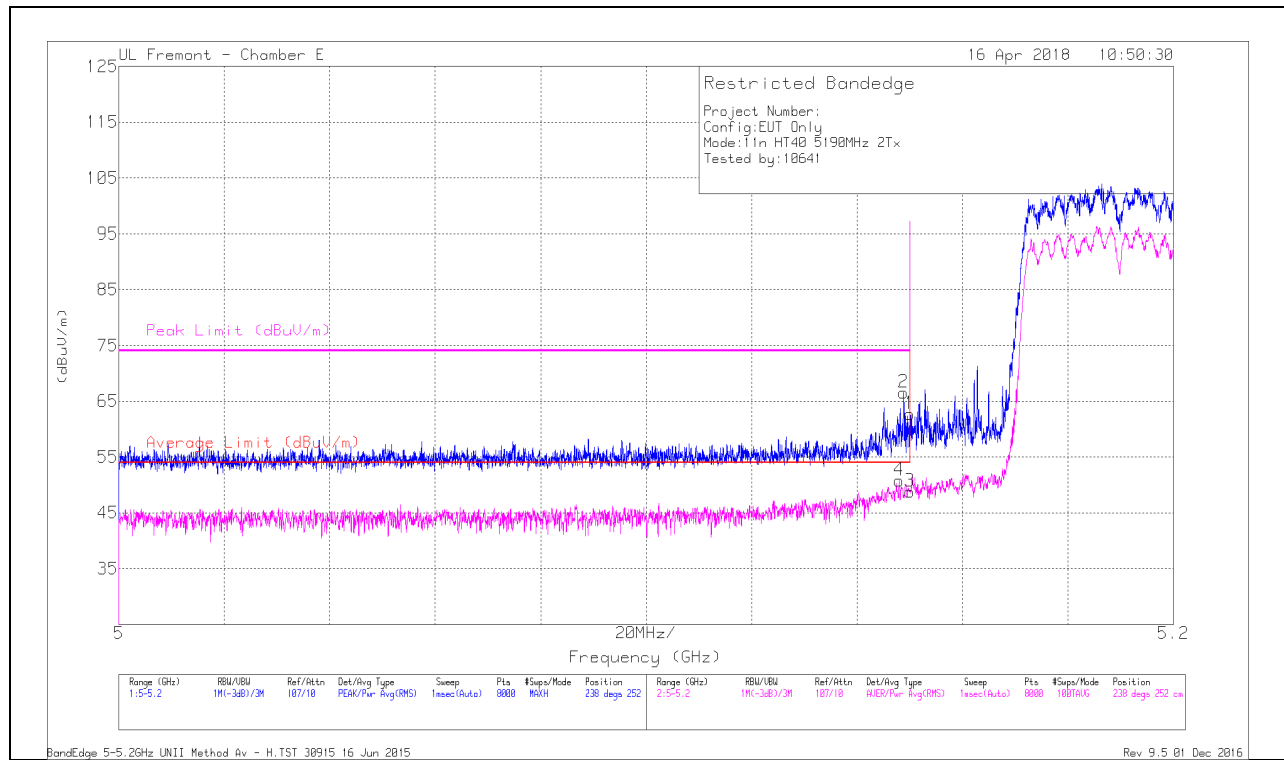


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 5.15	40.09	Pk	34.8	-19.8	0	55.09	-	-	74	-18.91	168	162	V
2	* 5.05	43.91	Pk	34.6	-20.1	0	58.41	-	-	74	-15.59	168	162	V
3	* 5.15	29.13	RMS	34.8	-19.8	.09	44.22	54	-9.78	-	-	168	162	V
4	* 5.079	31.79	RMS	34.6	-19.9	.09	46.58	54	-7.42	-	-	168	162	V

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

Pk - Peak detector

RMS - RMS detection

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

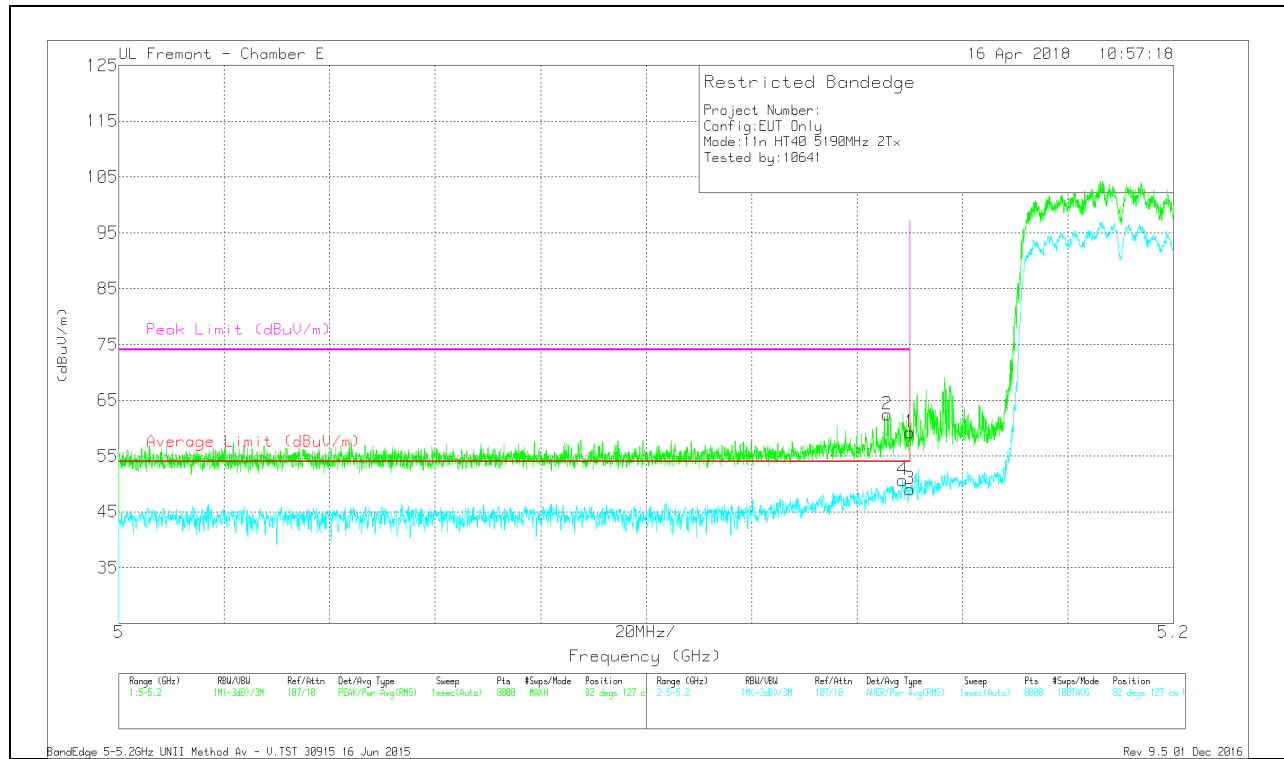
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 5.148	35.7	RMS	34.8	-19.8	.09	50.79	54	-3.21	-	-	238	252	H
2	* 5.149	51.59	Pk	34.8	-19.8	0	66.59	-	-	74	-7.41	238	252	H
1	* 5.15	47.67	Pk	34.8	-19.8	0	62.67	-	-	74	-11.33	238	252	H
3	* 5.15	33.76	RMS	34.8	-19.8	.09	48.85	54	-5.15	-	-	238	252	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (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)	Polarization
1	* 5.15	44.27	Pk	34.8	-19.8	0	59.27	-	-	74	-14.73	82	127	V
2	* 5.146	47.58	Pk	34.7	-19.8	0	62.48	-	-	74	-11.52	82	127	V
3	* 5.15	33.91	RMS	34.8	-19.8	.09	49.00	54	-5.00	-	-	82	127	V
4	* 5.149	35.54	RMS	34.8	-19.8	.09	50.63	54	-3.37	-	-	82	127	V

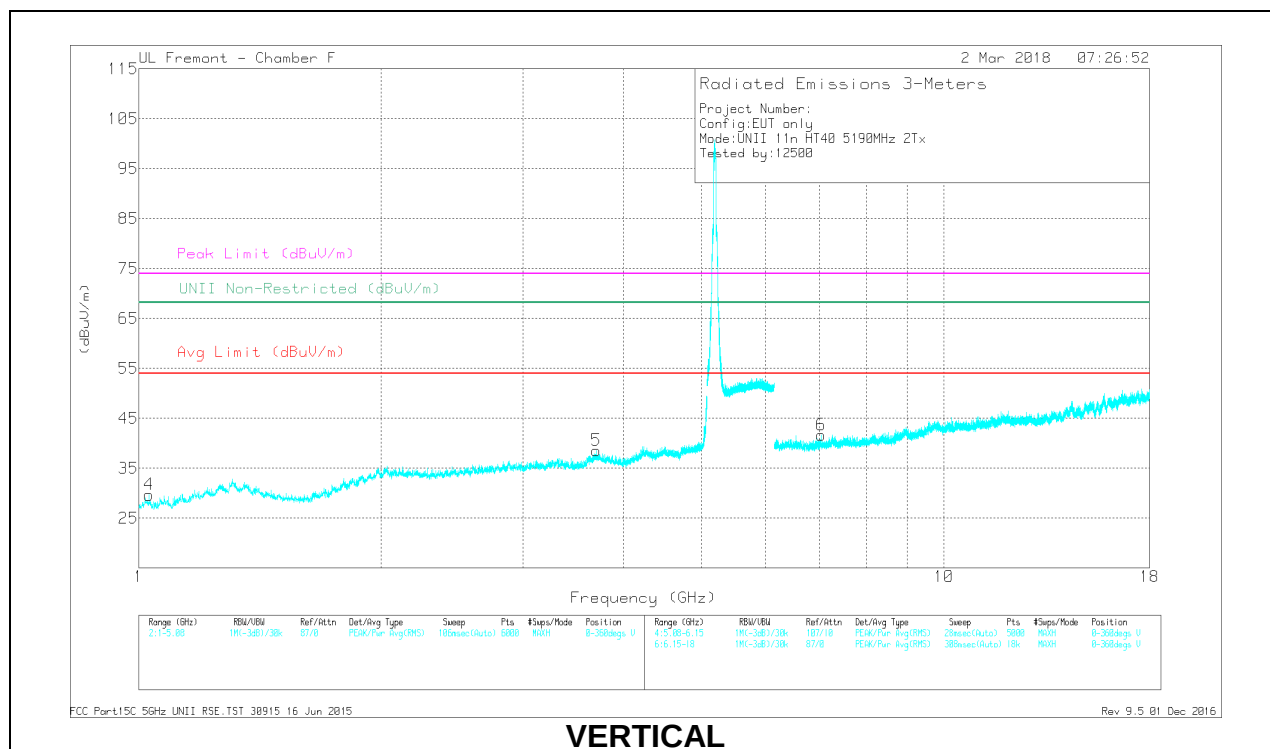
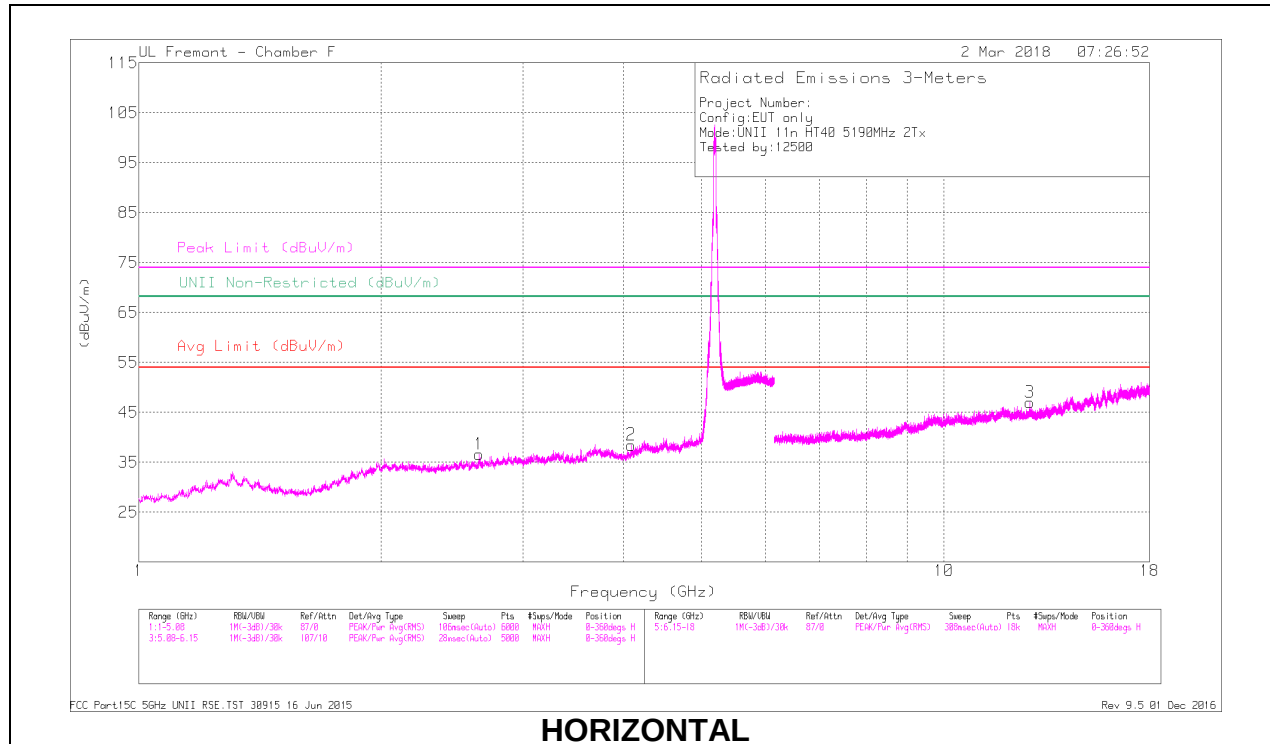
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

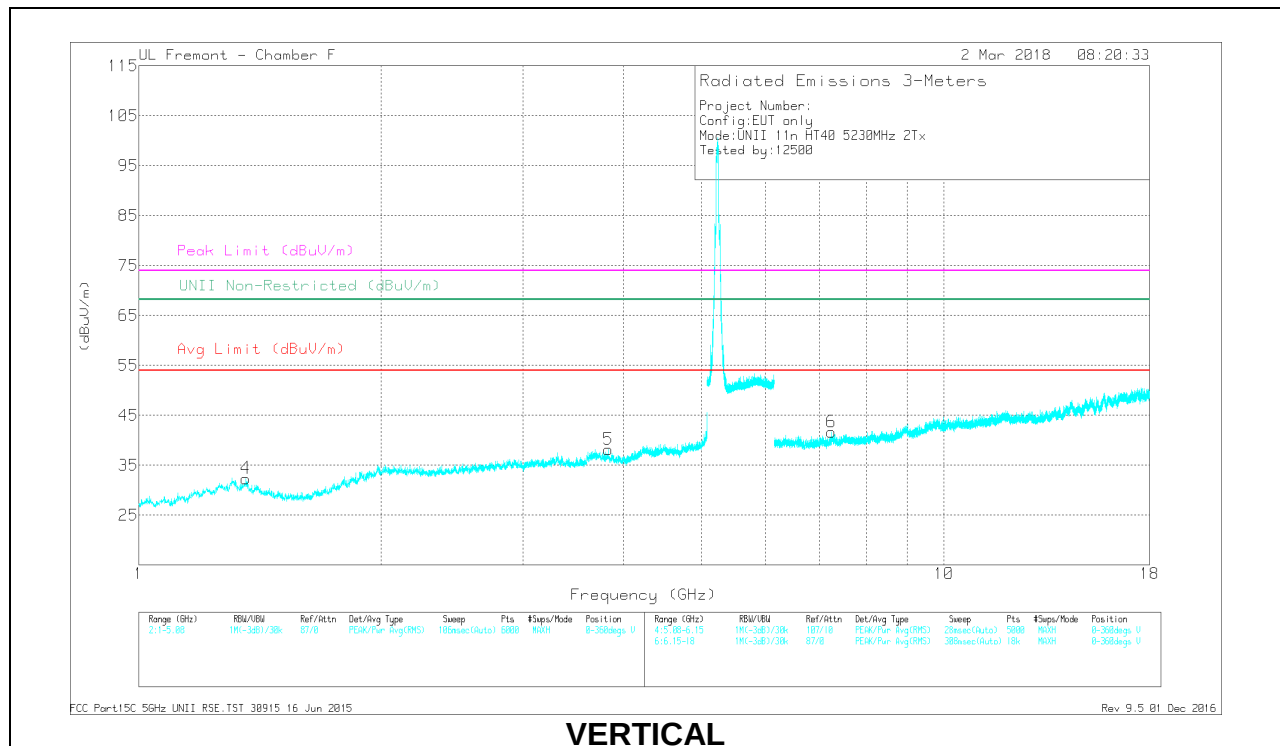
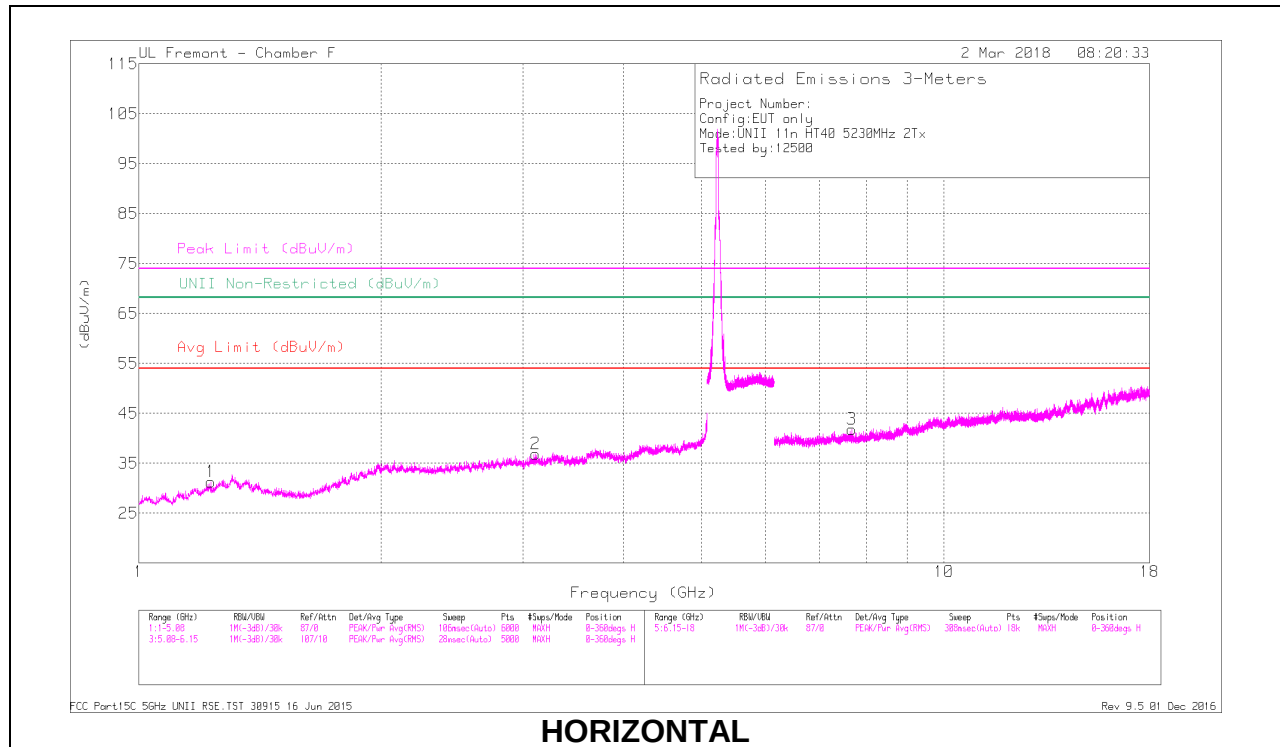
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.648	40.6	PK-U	32.4	-29.8	0	43.2	-	-	-	-	68.2	-25	144	345	H
2	* 4.089	38.36	PK-U	33.4	-28.1	0	43.66	-	-	74	-30.34	-	-	35	329	H
	* 4.087	26.84	ADR	33.4	-28.1	.09	32.23	54	-21.77	-	-	-	-	35	329	H
4	* 1.027	41.4	PK-U	26.7	-32.1	0	36	-	-	74	-38	-	-	283	364	V
	* 1.03	29.34	ADR	26.7	-32.1	.09	24.04	54	-29.16	-	-	-	-	283	364	V
5	* 3.701	39.1	PK-U	33.3	-28.6	0	43.8	-	-	74	-30.2	-	-	274	154	V
	* 3.698	27.25	ADR	33.3	-28.5	.09	32.14	54	-21.86	-	-	-	-	274	154	V
3	12.784	35.92	PK-U	39.2	-22.6	0	52.52	-	-	-	-	68.2	-15.68	94	194	H
6	7.035	36.47	PK-U	35.8	-24.9	0	47.37	-	-	-	-	68.2	-20.83	51	153	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	AFT119 (dB/m)	Amp/Cbl/Filtr/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	* 1.229	40.33	PK-U	29.2	-31.9		37.63	-	-	74	-36.37	-	-	0	181	H
	* 1.228	28.51	ADR	29.2	-31.9	.09	25.90	54	-28.10	-	-	-	-	0	181	H
2	3.114	39.41	PK-U	33	-29		43.41	-	-	-	-	68.2	-24.79	191	231	H
4	* 1.359	40.66	PK-U	29.5	-31.1		39.06	-	-	74	-34.94	-	-	108	243	V
	* 1.36	28.9	ADR	29.5	-31.1	.09	27.39	54	-26.61	-	-	-	-	108	243	V
5	* 3.829	39.23	PK-U	33.3	-28.3		44.23	-	-	74	-29.77	-	-	254	396	V
	* 3.831	27.69	ADR	33.3	-28.4	.09	32.68	54	-21.32	-	-	-	-	254	396	V
3	* 7.686	37.46	PK-U	36.1	-25.3		48.26	-	-	74	-25.74	-	-	312	202	H
	* 7.689	25.3	ADR	36.1	-25.3	.09	36.19	54	-17.81	-	-	-	-	312	202	H
6	7.244	37.33	PK-U	35.9	-25.4		47.83	-	-	-	-	68.2	-20.37	151	201	V

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

PK-U - U-NII: Maximum Peak

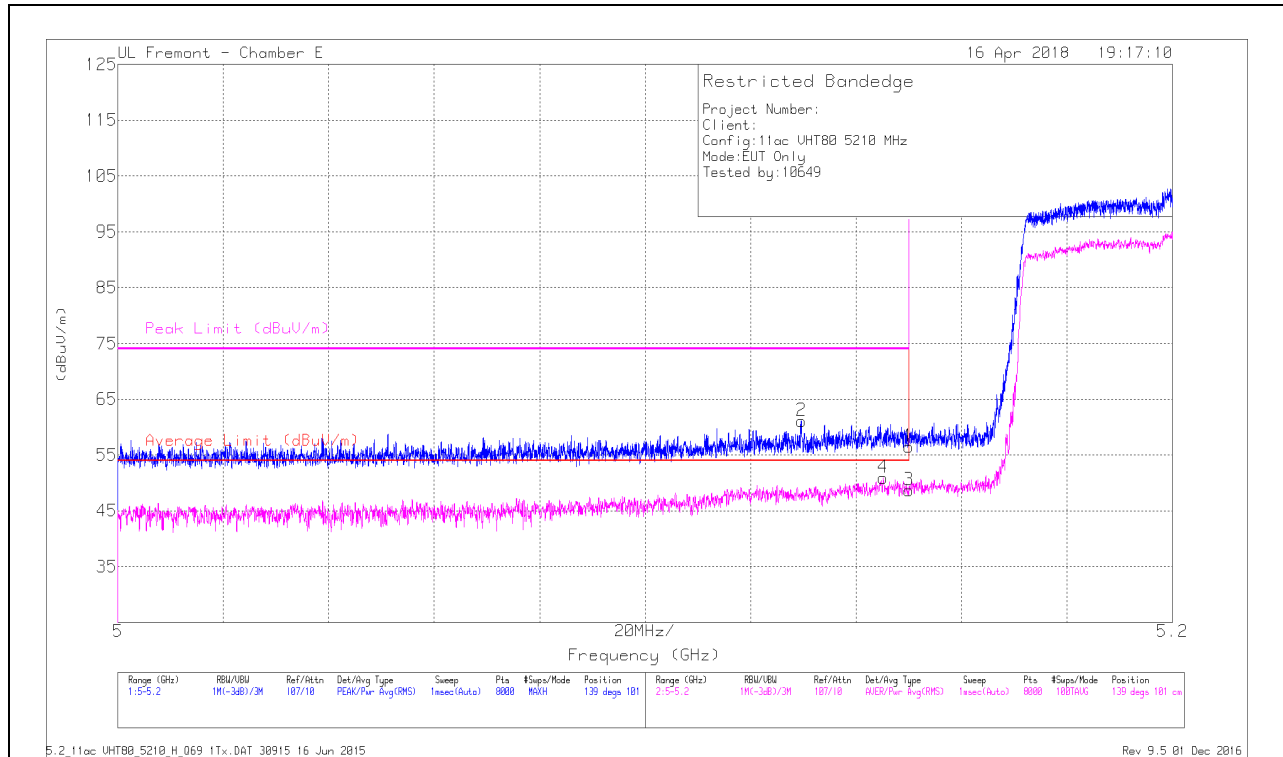
ADR - U-NII AD primary method, RMS average

9.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



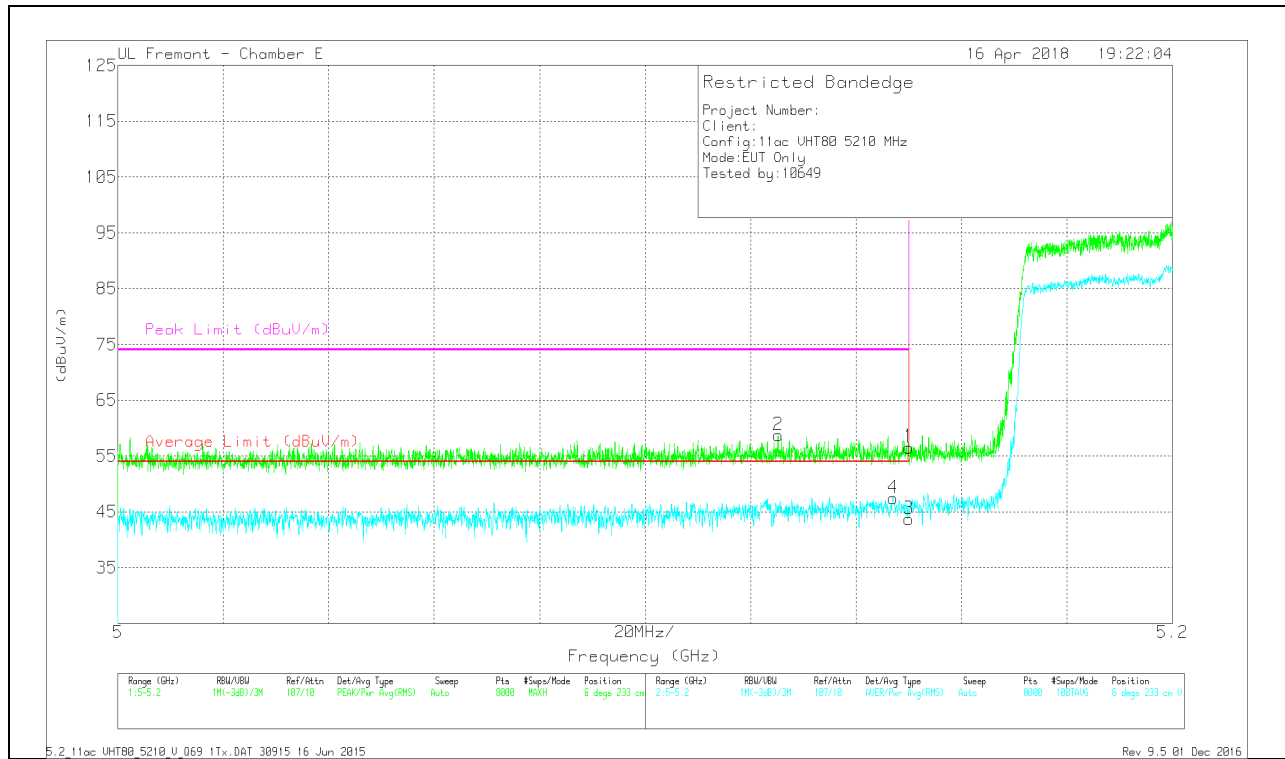
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb I/Filtr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.13	46.33	Pk	34.7	-19.9	0	61.13	-	-	74	-12.87	139	101	H
4	* 5.145	35.77	RMS	34.7	-19.8	.19	50.86	54	-3.14	-	-	139	101	H
1	* 5.15	41.45	Pk	34.8	-19.8	0	56.45	-	-	74	-17.55	139	101	H
3	* 5.15	33.45	RMS	34.8	-19.8	.19	48.64	54	-5.36	-	-	139	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



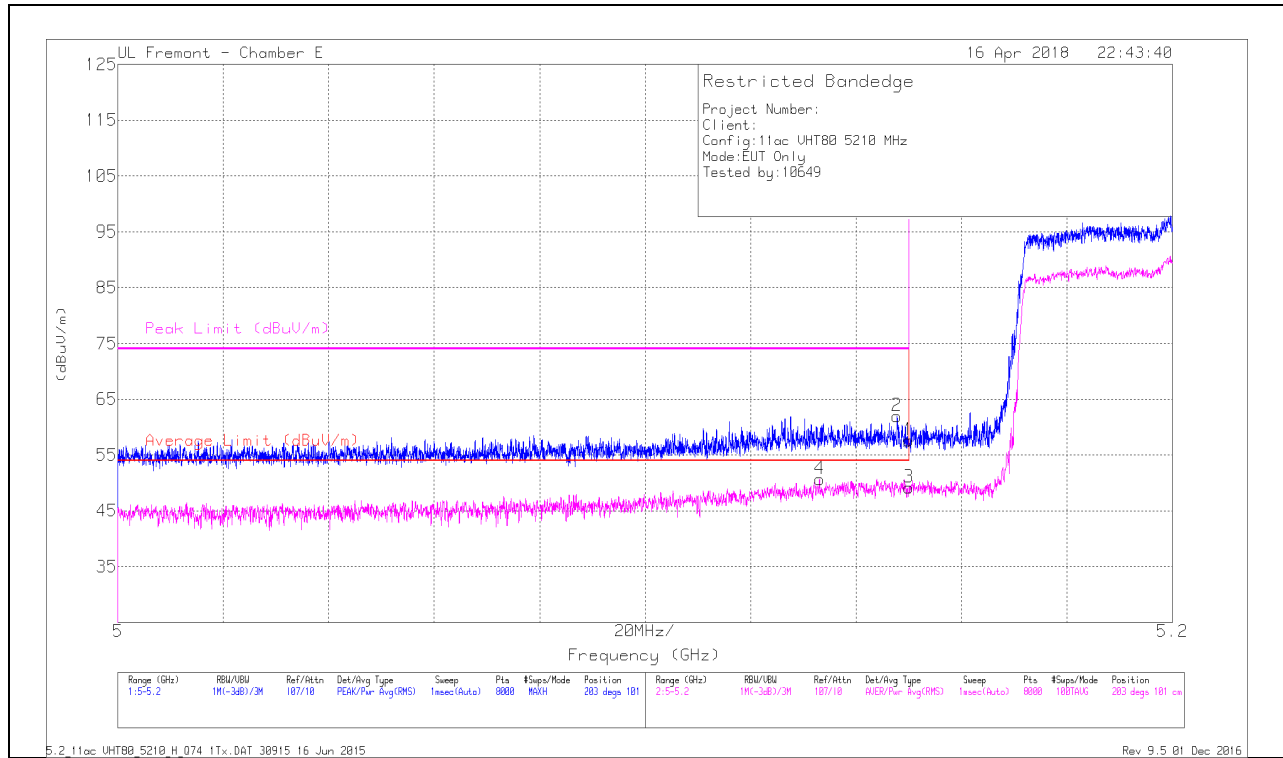
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	41.56	Pk	34.8	-19.8	0	56.56	-	-	74	-17.44	6	233	V
2	* 5.125	43.92	Pk	34.7	-19.9	0	58.72	-	-	74	-15.28	6	233	V
3	* 5.15	28.7	RMS	34.8	-19.8	.19	43.89	54	-10.11	-	-	6	233	V
4	* 5.147	32.53	RMS	34.7	-19.8	.19	47.62	54	-6.38	-	-	6	233	V

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

1TX Antenna 5

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



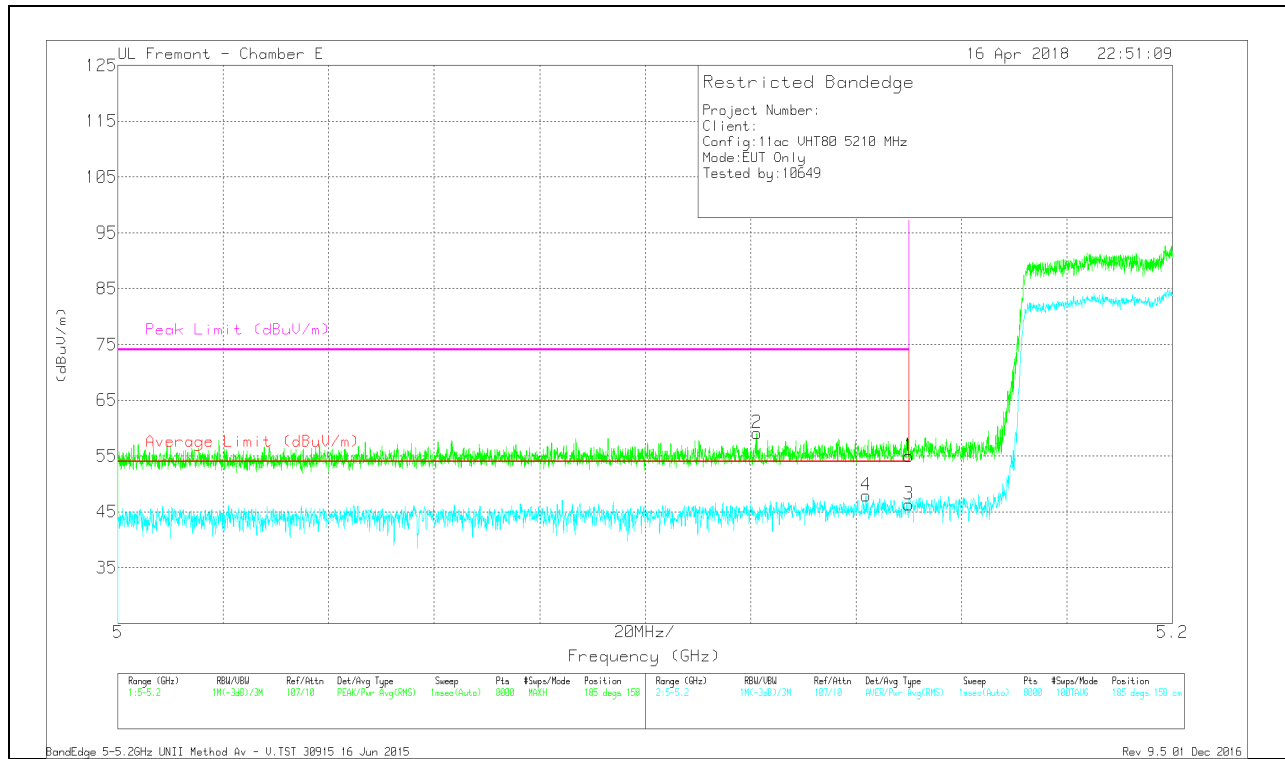
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.58	Pk	34.8	-19.8	0	57.58	-	-	74	-16.42	203	101	H
2	* 5.148	46.99	Pk	34.8	-19.8	0	61.99	-	-	74	-12.01	203	101	H
3	* 5.15	33.93	RMS	34.8	-19.8	.19	49.12	54	-4.88	-	-	203	101	H
4	* 5.133	35.68	RMS	34.7	-19.9	.19	50.67	54	-3.33	-	-	203	101	H

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

Pk - Peak detector

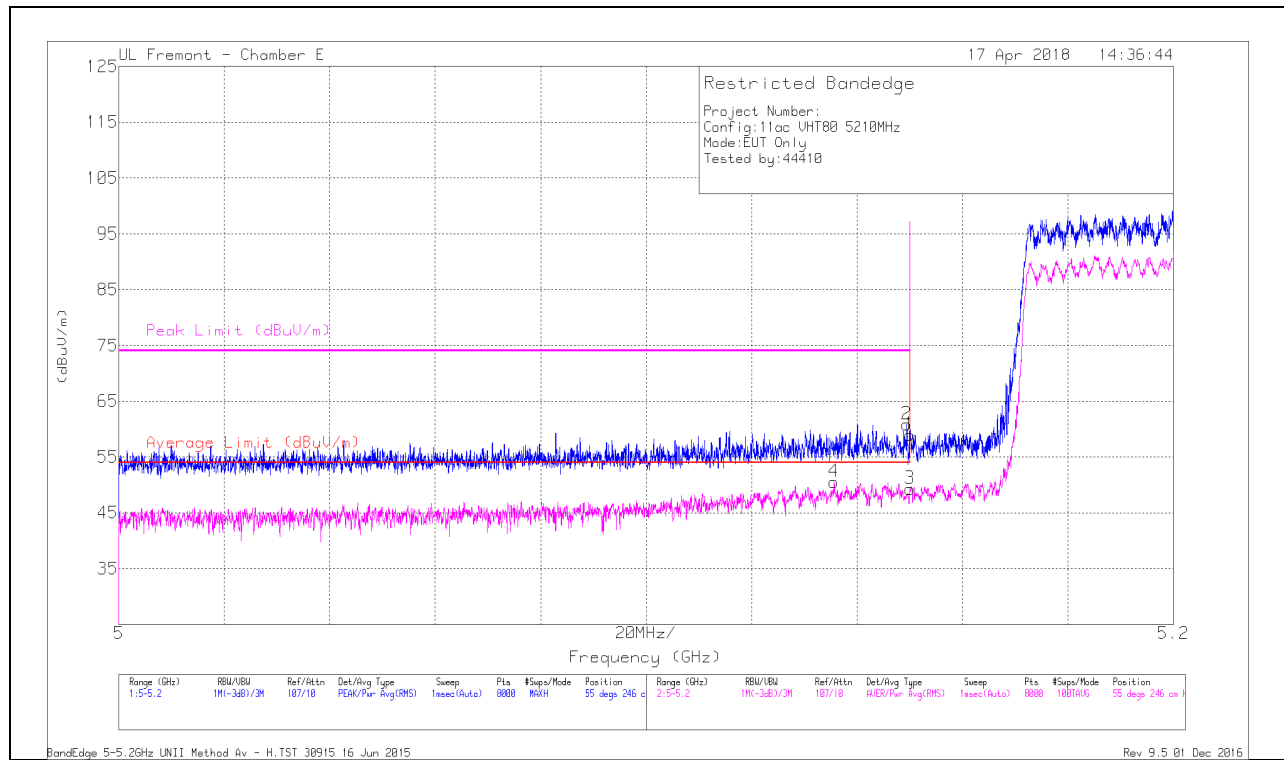
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/Cb/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	40	Pk	34.8	-19.8	0	55	-	-	74	-19	185	158	V
2	* 5.121	44.27	Pk	34.7	-19.9	0	59.07	-	-	74	-14.93	185	158	V
3	* 5.15	31.11	RMS	34.8	-19.8	.19	46.30	54	-7.7	-	-	185	158	V
4	* 5.142	32.8	RMS	34.7	-19.8	.19	47.89	54	-6.11	-	-	185	158	V

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

2TX Antenna 6 + Antenna 5 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

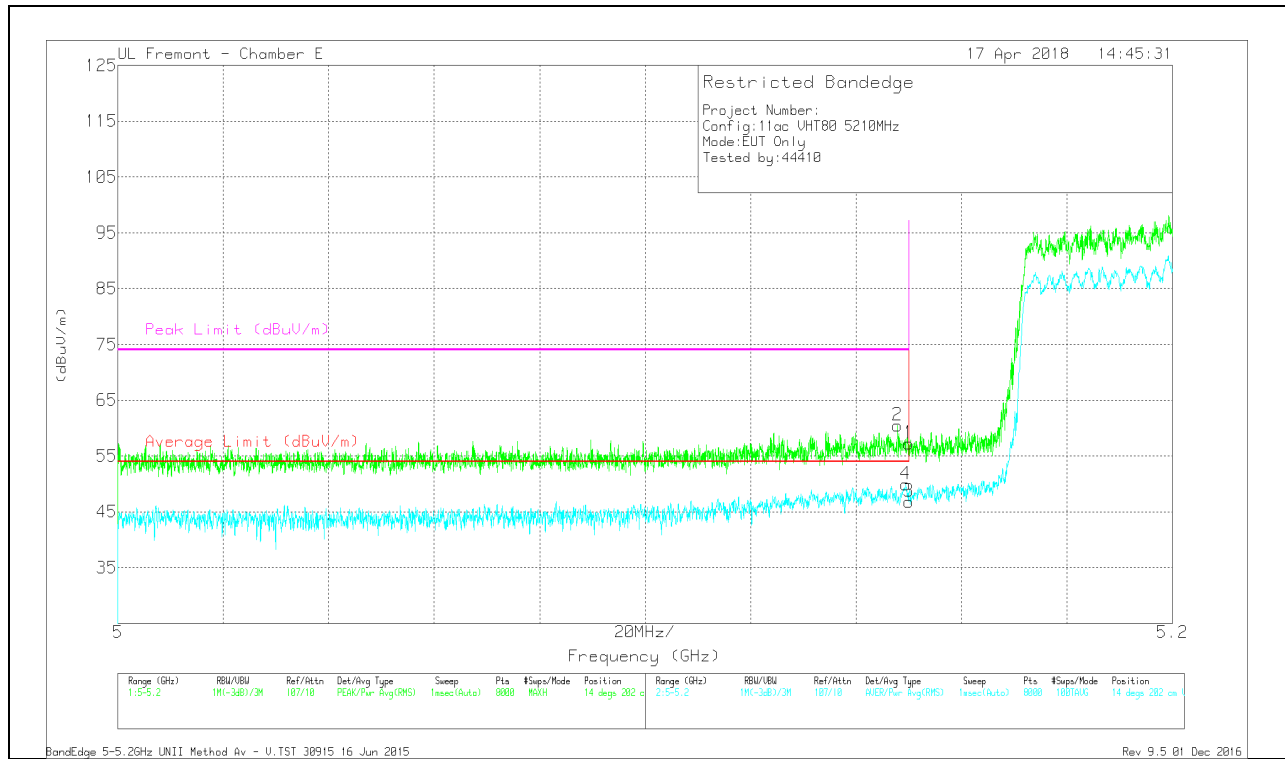
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.96	Pk	34.8	-19.8	0	58.96	-	-	74	-15.04	55	246	H
2	* 5.149	45.87	Pk	34.8	-19.8	0	60.87	-	-	74	-13.13	55	246	H
3	* 5.15	34.06	RMS	34.8	-19.8	.19	49.25	54	-4.75	-	-	55	246	H
4	* 5.136	35.37	RMS	34.7	-19.8	.19	50.46	54	-3.54	-	-	55	246	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

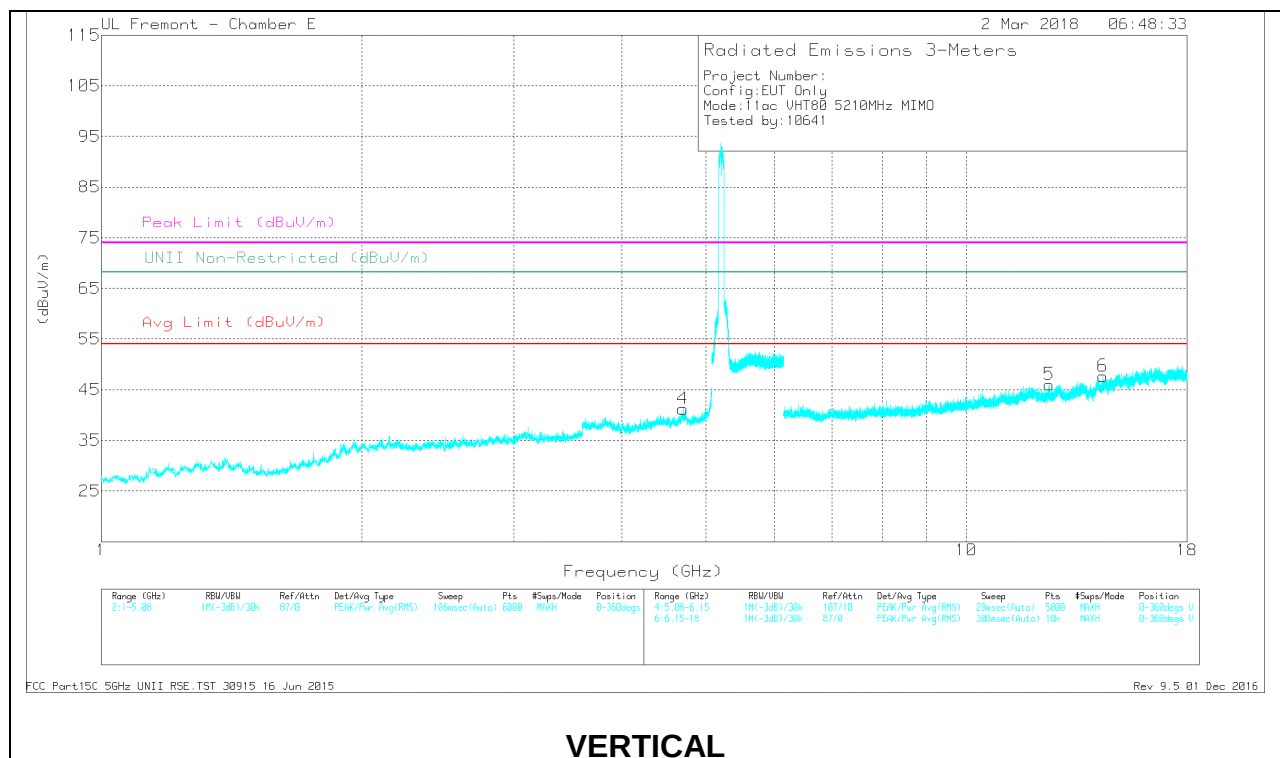
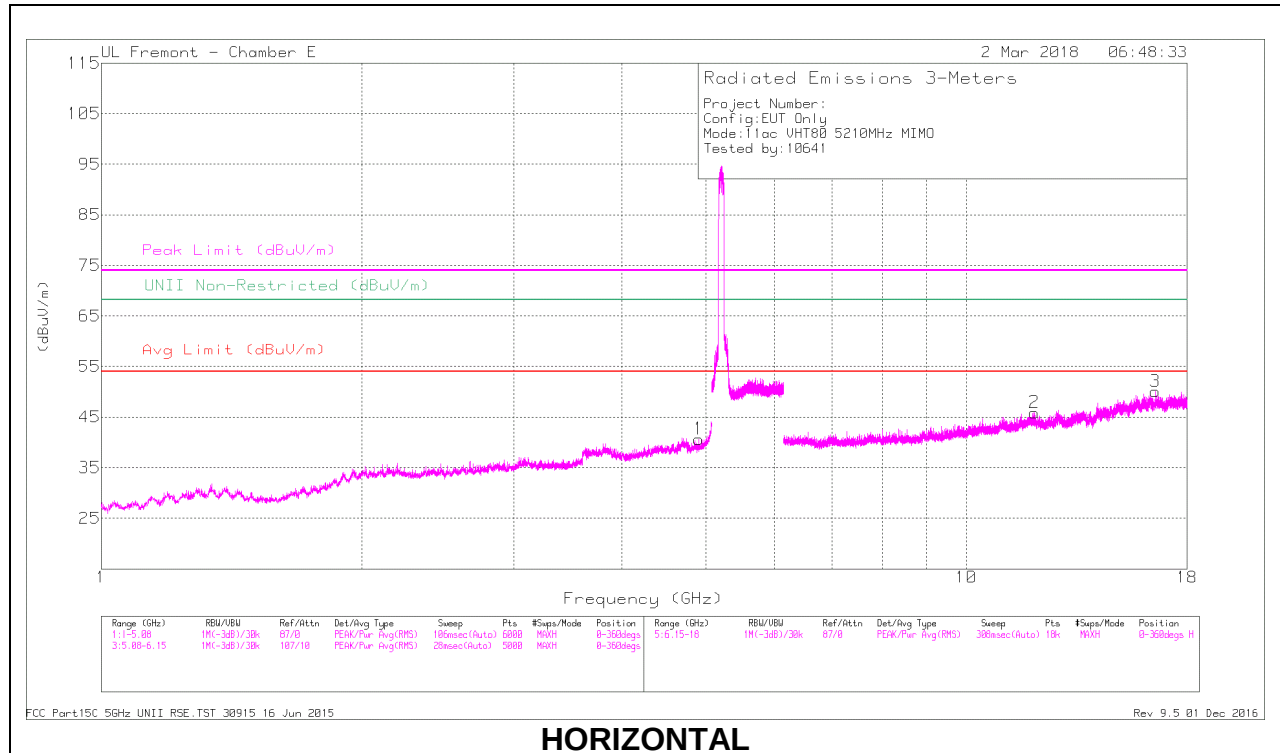


Marker	Frequen cy (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb I/Filtr/P ad (dB)	DC Corr (dB)	Correct ed Reading (dBuV/ m)	Average Limit (dBuV/ m)	Margin (dB)	Peak Limit (dBuV/ m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.23	Pk	34.8	-19.8	0	57.23	-	-	74	-16.77	14	202	V
2	* 5.148	45.51	Pk	34.8	-19.8	0	60.51	-	-	74	-13.49	14	202	V
3	* 5.15	31.83	RMS	34.8	-19.8	.19	47.02	54	-6.98	-	-	14	202	V
4	* 5.149	34.93	RMS	34.8	-19.8	.19	50.12	54	-3.88	-	-	14	202	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 T346 (dB/m)	Amp/Cbl/Filtr/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	* 4.901	41.01	PK-U	34.5	-29	0	46.51	-	-	74	-27.49	-	-	111	118	H
	* 4.904	29.24	ADR	34.5	-29	.19	34.93	54	-19.07	-	-	-	-	111	118	H
4	* 4.7	42.63	PK-U	34.4	-28.8	0	48.23	-	-	74	-25.77	-	-	5	275	V
	* 4.7	29.91	ADR	34.4	-28.8	.19	35.70	54	-18.30	-	-	-	-	5	275	V
2	* 11.983	34.66	PK-U	39.7	-23.5	0	50.86	-	-	74	-23.14	-	-	162	157	H
	* 11.985	21.89	ADR	39.7	-23.5	.19	38.28	54	-15.72	-	-	-	-	162	157	H
5	* 12.476	37.09	PK-U	38.9	-23.3	0	52.69	-	-	74	-21.31	-	-	37	342	V
	* 12.489	22.99	ADR	39	-23.4	.19	38.78	54	-15.22	-	-	-	-	37	342	V
6	14.394	36.61	PK-U	40.9	-24	0	53.51	-	-	-	-	68.2	-14.69	69	313	V
3	16.542	35.31	PK-U	41.5	-20.4	0	56.41	-	-	-	-	68.2	-11.79	5	189	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