Limits (FCC), portion in 5.8 GHz DTS 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 PPSD (dBi)
138	5690	6.000	2.7303	2.82	2.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
138	5690	18.78	15.36	21.36	15.36	11.00	11.00	11.00

Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd Power & PPSD

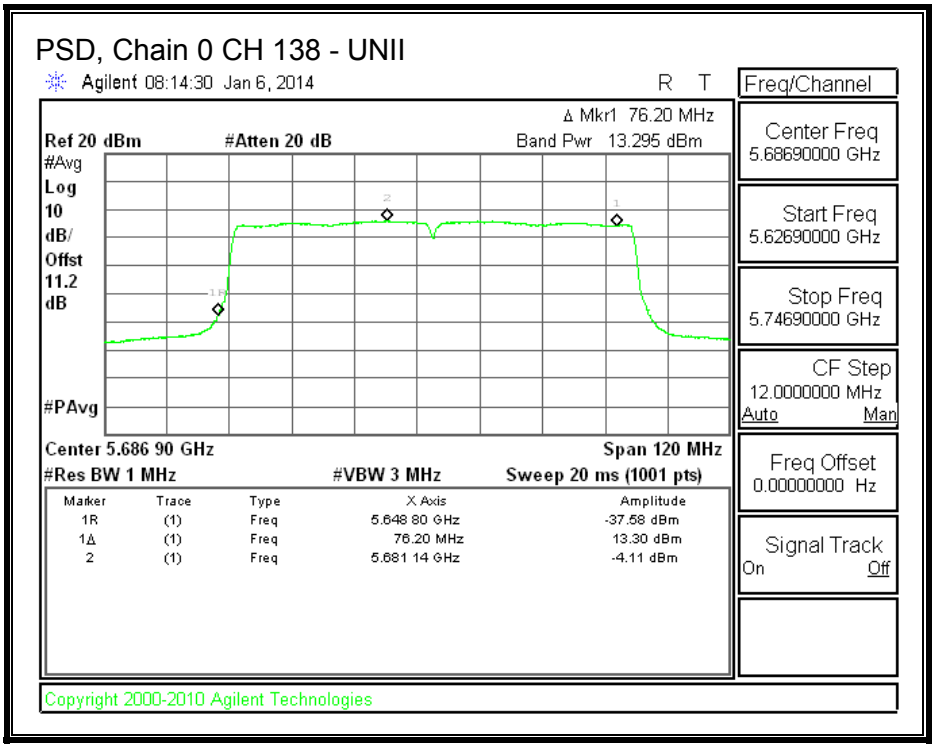
Output Power Results

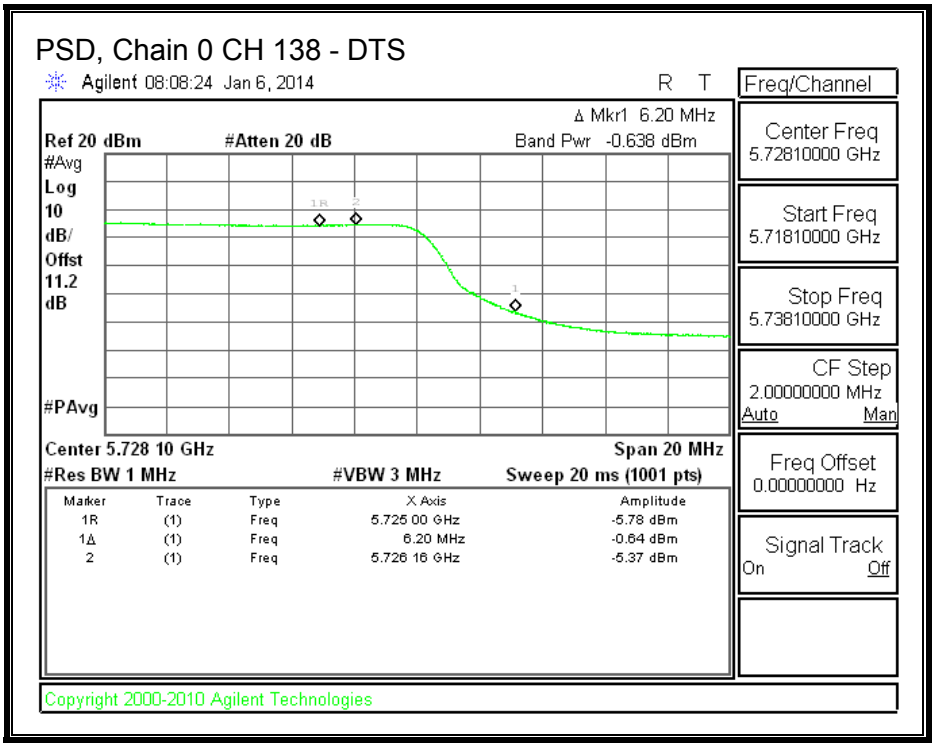
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	-0.64	-1.19	-0.20	4.38	15.36	-10.98

PPSD Results

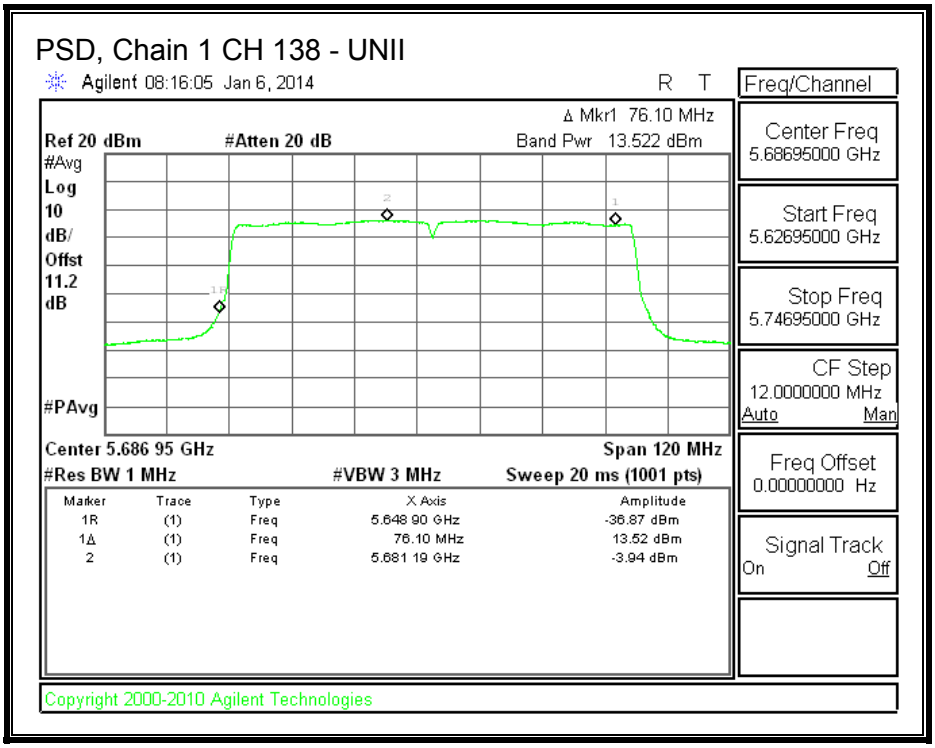
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
138	5690	-5.370	-5.17	-5.01	-0.14	11.00	-11.14

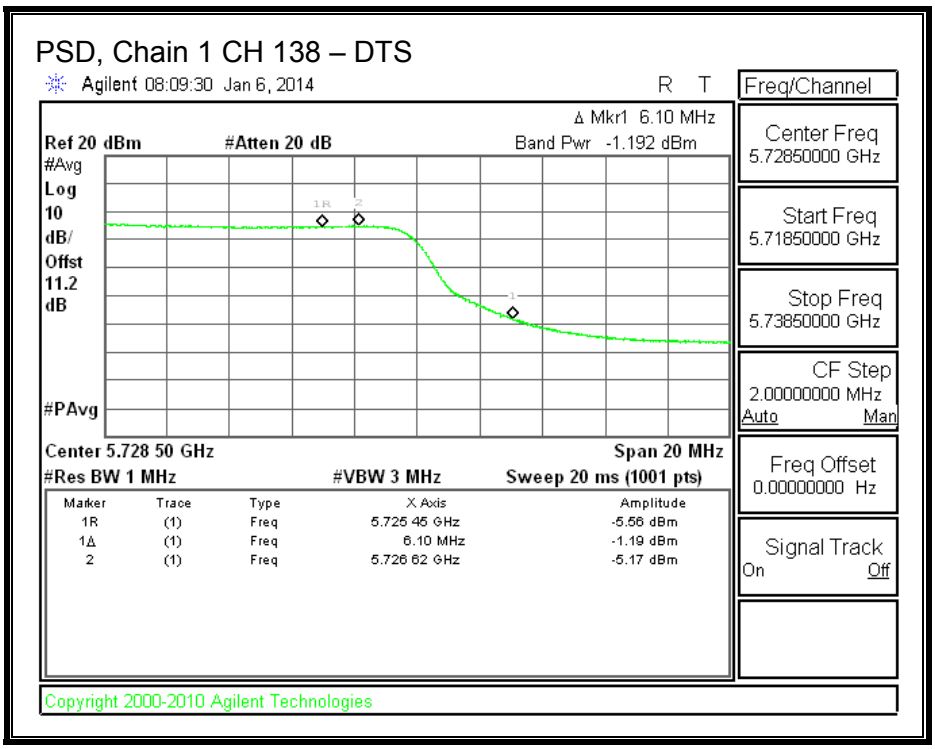
OUTPUT POWER & PPSD, Chain 0



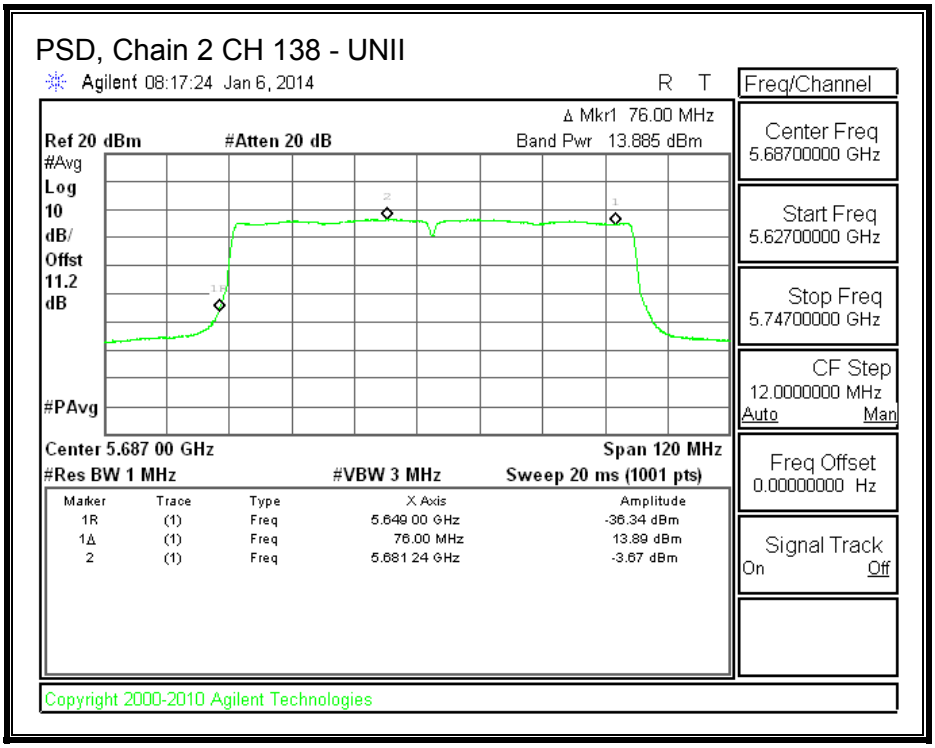


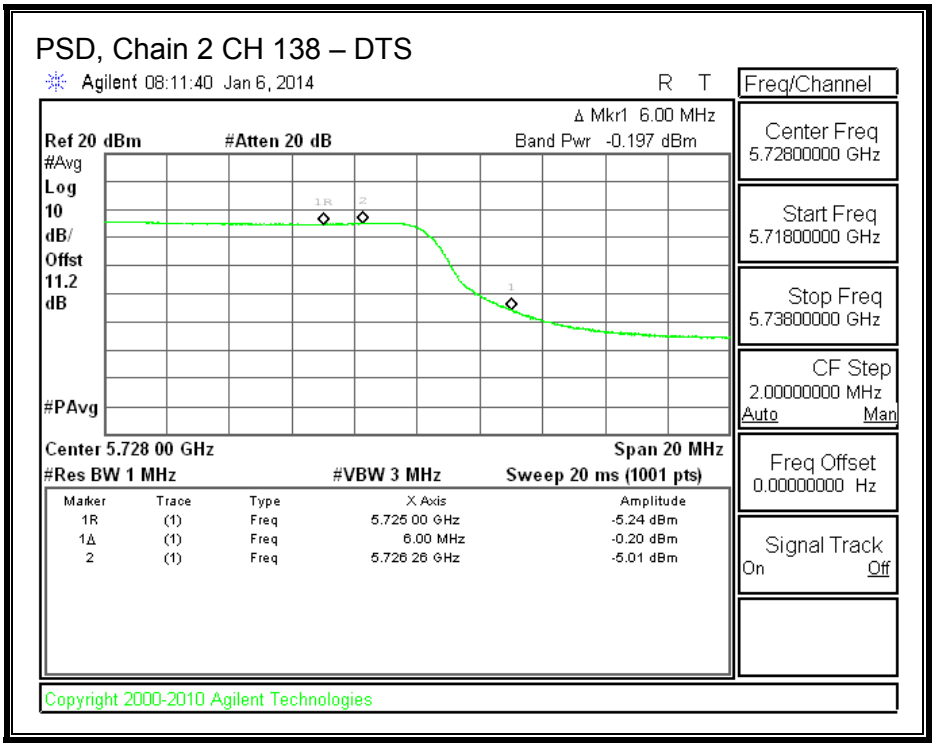
OUTPUT POWER & PPSD, Chain 1





OUTPUT POWER & PPSD, Chain 2





8.38. 802.11ac 80MHz 3TX SDM MODE IN THE 5.6 GHz BAND

8.38.1. 26 dB BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)	26 dB BW Chain 2 (MHz)
106	5530	83.375	82.125	81.875

26 dB BANDWIDTH

26 dB BANDWIDTH, Chain 0

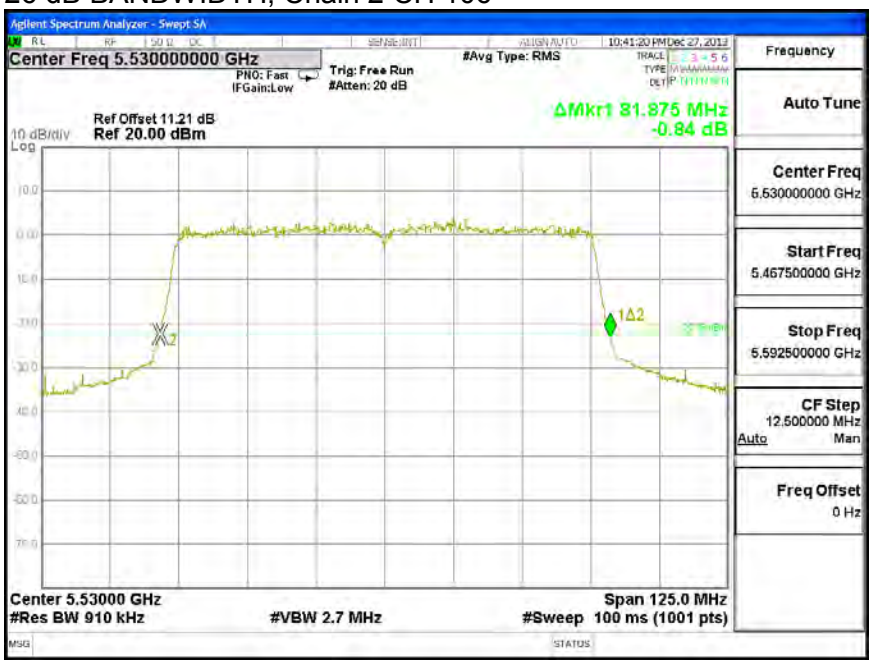
26 dB BANDWIDTH, Chain 0 CH 106

26 dB BANDWIDTH, Chain 1

26 dB BANDWIDTH, Chain 1 CH 06

26 dB BANDWIDTH, Chain 2

26 dB BANDWIDTH, Chain 2 CH 106



8.38.2. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

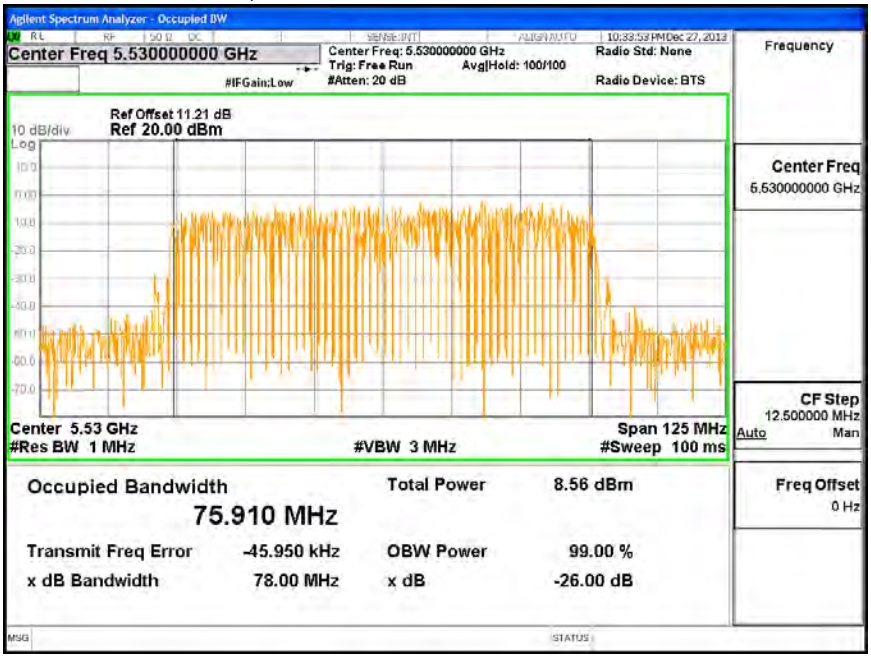
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)	99% BW Chain 2 (MHz)
106	5530	75.910	75.585	75.493

99% BANDWIDTH

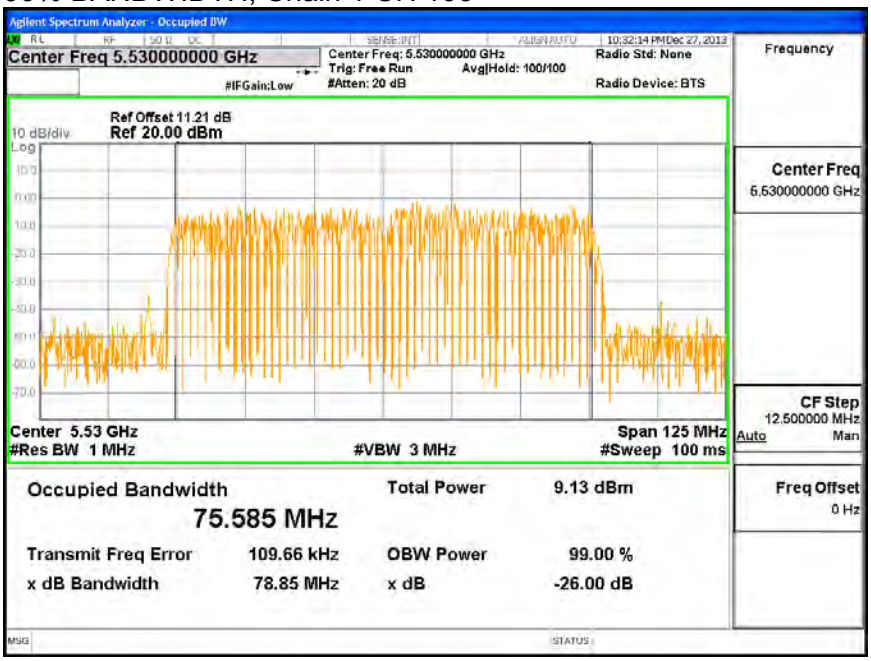
99% BANDWIDTH, Chain 0

99% BANDWIDTH, Chain 0 CH 106



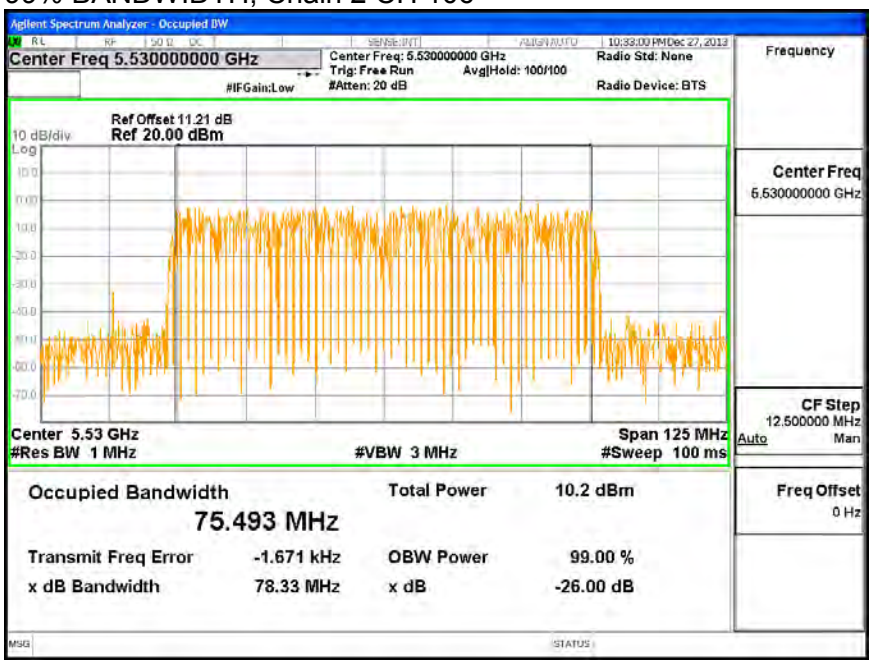
99% BANDWIDTH, Chain 1

99% BANDWIDTH, Chain 1 CH 106



99% BANDWIDTH, Chain 2

99% BANDWIDTH, Chain 2 CH 106



8.38.3. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 11.26 dB (including 10 dB pad and 1.26 dB cable) was entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Average Power Results

Channel	Frequency (MHz)	Chain 0 Power (dBm)	Chain 1 Power (dBm)	Chain 2 Power (dBm)	Total Power (dBm)
106	5530	9.60	10.10	11.00	15.04

8.38.4. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.5–5.7 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26–dB emission bandwidth in MHz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1–MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

The TX chains are uncorrelated and the antenna gain is the same for each chain. The directional gain is equal to the antenna gain.

Antenna Gain (dBi)
2.82

RESULTS

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PPSD (dBi)
106	5530	83.38	75.910	2.82	2.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC EIRP Limit (dBm)	Max IC Power (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC eirp PSD Limit (dBm)	PPSD Limit (dBm)
106	5530	24.00	24.00	30.00	24.00	11.00	11.00	11.00

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd Power & PPSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
106	5530	9.664	10.108	11.025	15.67	24.00	-8.33

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
106	5530	-7.349	-6.846	-6.194	-1.40	11.00	-12.40

OUTPUT POWER AND PPSD, Chain 0

OUTPUT POWER AND PPSD, Chain 0 CH 106

OUTPUT POWER AND PPSD, Chain 1

OUTPUT POWER AND PPSD, Chain 1 CH 106

OUTPUT POWER AND PPSD, Chain 2

OUTPUT POWER AND PPSD, Chain 2 CH 106

8.38.5. PEAK EXCURSION

LIMITS

FCC §15.407 (a) (6)

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

RESULTS

Chain 0

Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	2.01	-7.35	0.60	8.76	13	-4.24

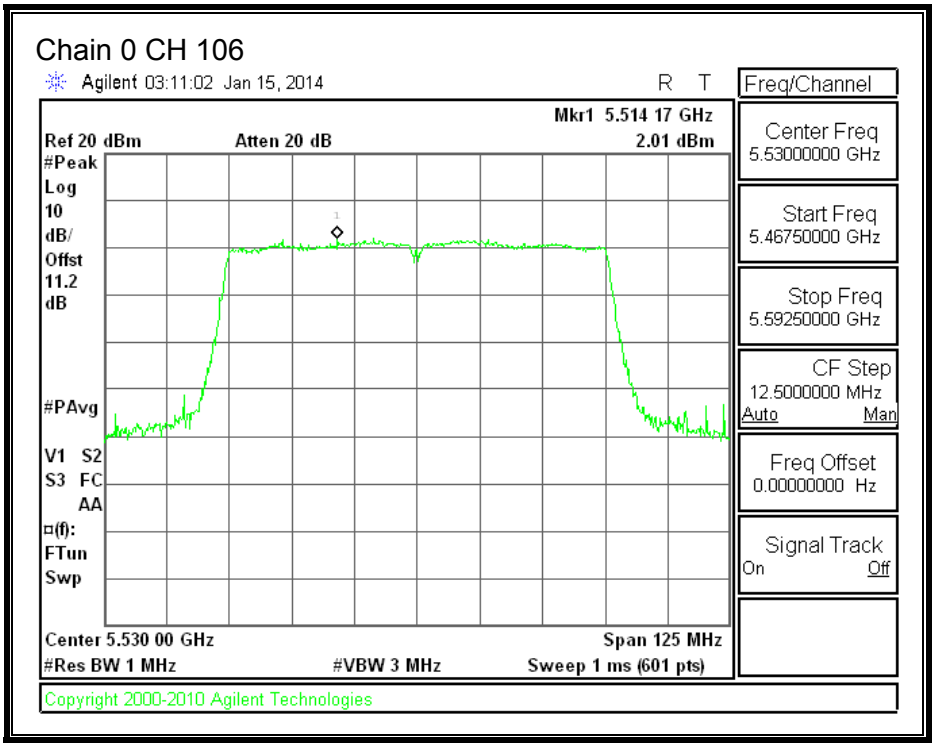
Chain 1

Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	3.74	-6.85	0.60	9.99	13	-3.01

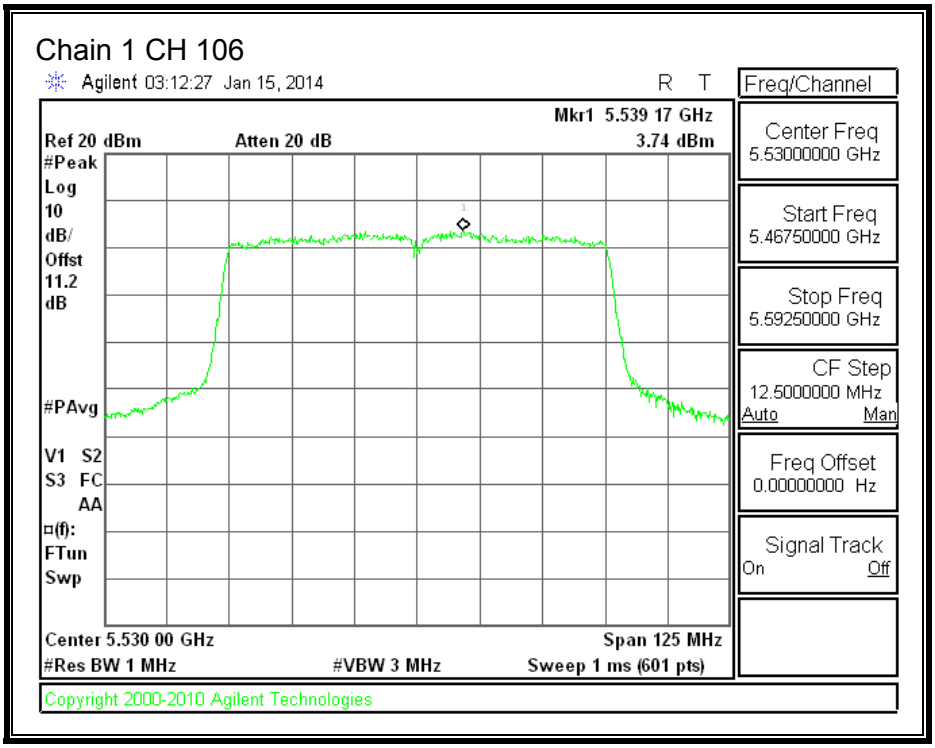
Chain 2

Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	4.57	-6.19	0.60	10.16	13	-2.84

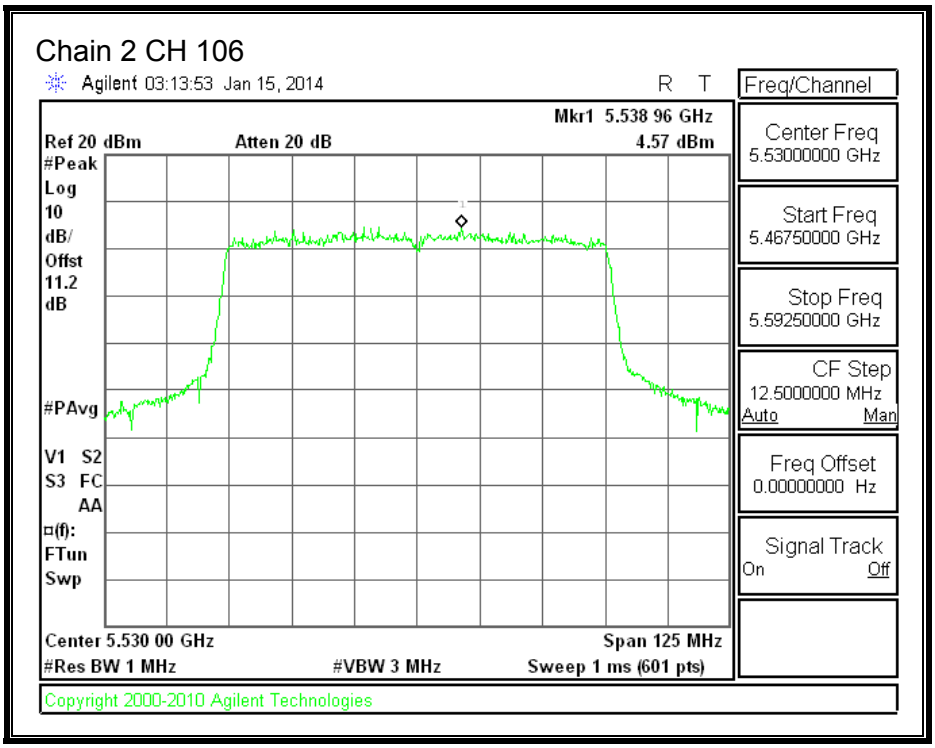
PEAK EXCURSION, Chain 0



PEAK EXCURSION, Chain 1



PEAK EXCURSION, Chain 2



8.39. 802.11ac 80MHz SDM 3TX MODE, CHANNEL 138, 5.6 GHz BAND

8.39.1. 26 dB BANDWIDTH- UNII

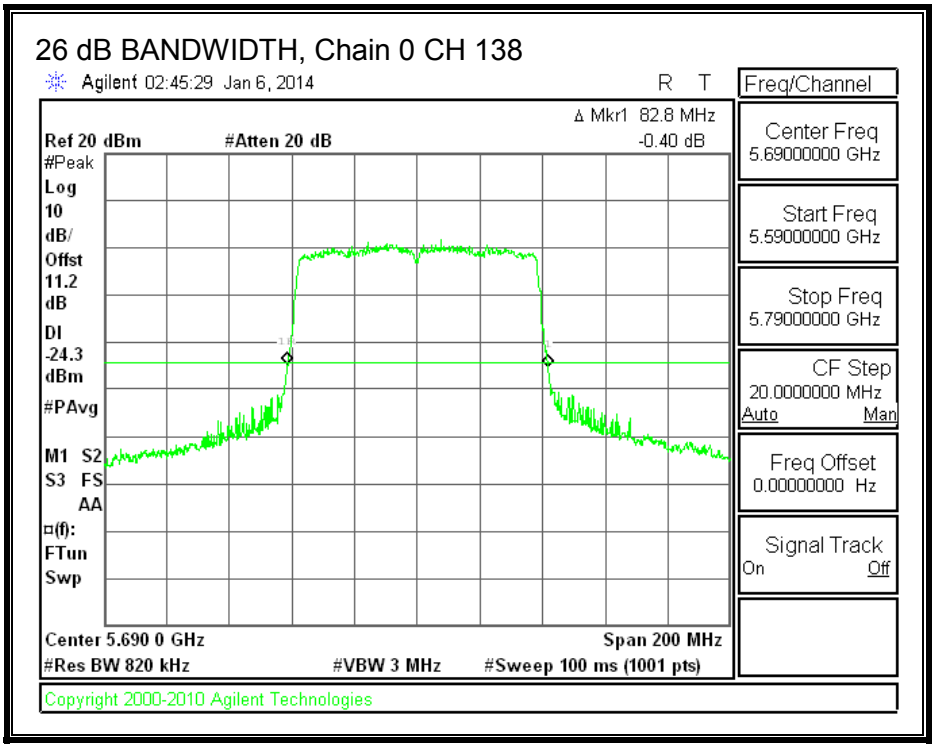
LIMITS

None; for reporting purposes only.

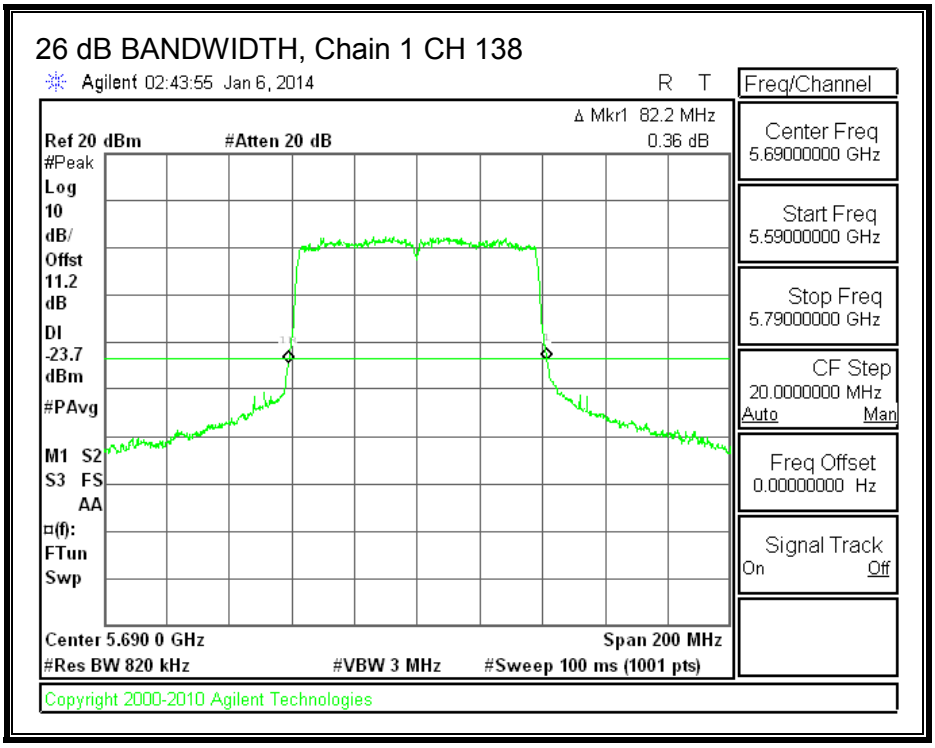
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)	26 dB BW Chain 2 (MHz)
138	5690	82.800	82.200	82.000

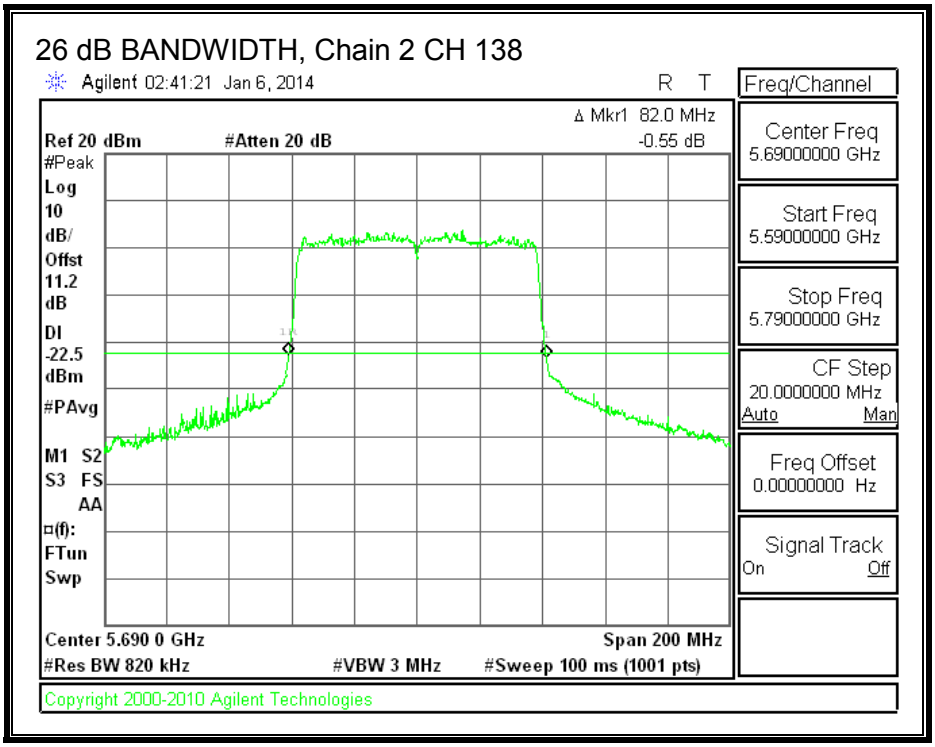
26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH, Chain 1



26 dB BANDWIDTH, Chain 2



8.39.2.99% BANDWIDTH

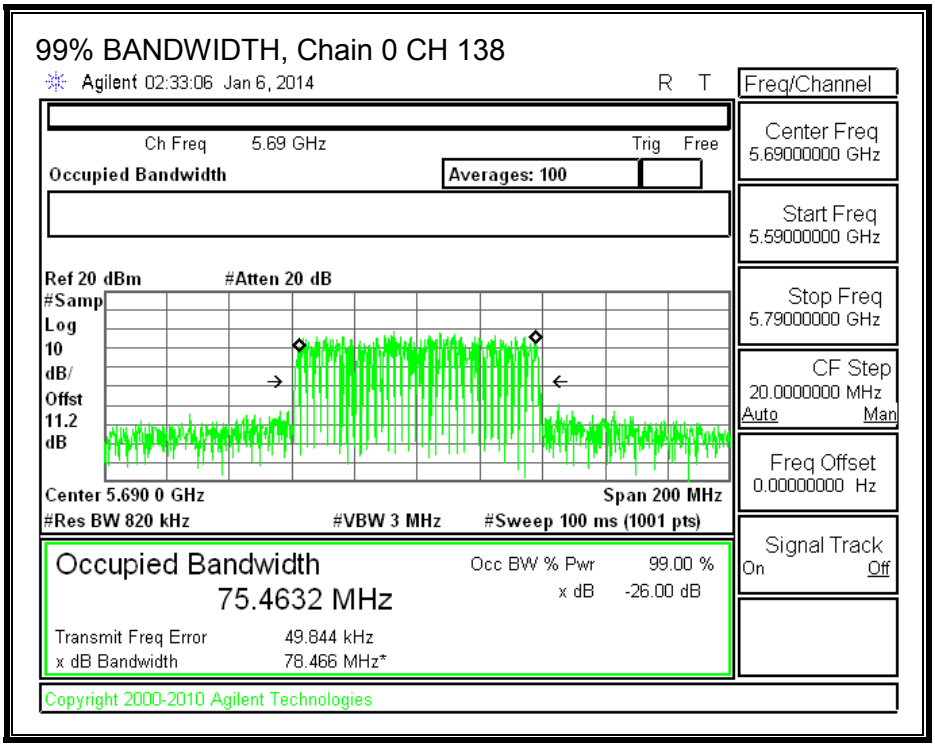
LIMITS

None; for reporting purposes only.

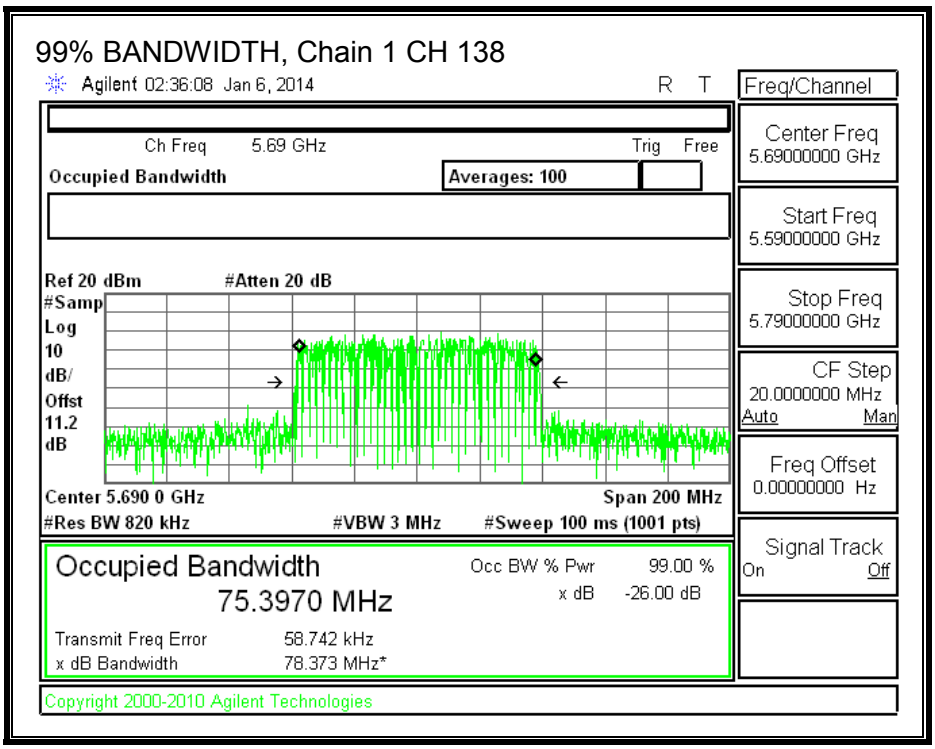
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)	99% BW Chain 2 (MHz)
138	5690	75.4632	75.3970	75.4553

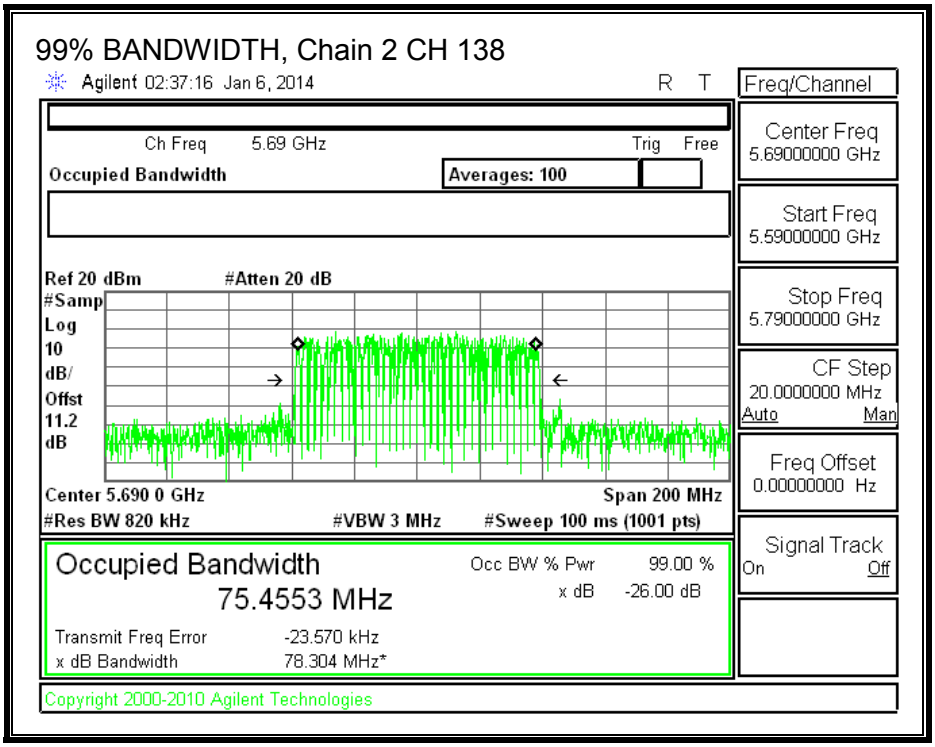
99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1



99% BANDWIDTH, Chain 2



8.39.3. OUTPUT POWER AND PSD

LIMITS

FCC §15.407 (a) (2)

For the band 5.5–5.7 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26–dB emission bandwidth in MHz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1–MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

For output power and PPSD, the TX chains are uncorrelated and the antenna gain is the same for each chain. The directional gain is equal to the antenna gain.

Antenna Gain (dBi)
2.82

RESULTS

Limits (FCC), portion in UNII 2 ext 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 PPSD (dBi)
138	5690	76.000	72.6985	2.82	2.82

Limits

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

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd Power & PPSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	15.412	15.527	15.702	20.92	24.00	-3.08

PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
138	5690	-1.91	-1.65	-1.63	3.64	11.00	-7.36

Limits (FCC), portion in 5.8 GHz DTS 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 PPSD (dBi)
138	5690	6.000	2.6985	2.82	2.82

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Power Limit (dBm)	FCC PPSD Limit (dBm)	IC PSD Limit (dBm)	PPSD Limit (dBm)
138	5690	18.78	15.31	21.31	15.31	11.00	11.00	11.00

Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd Power & PPSD

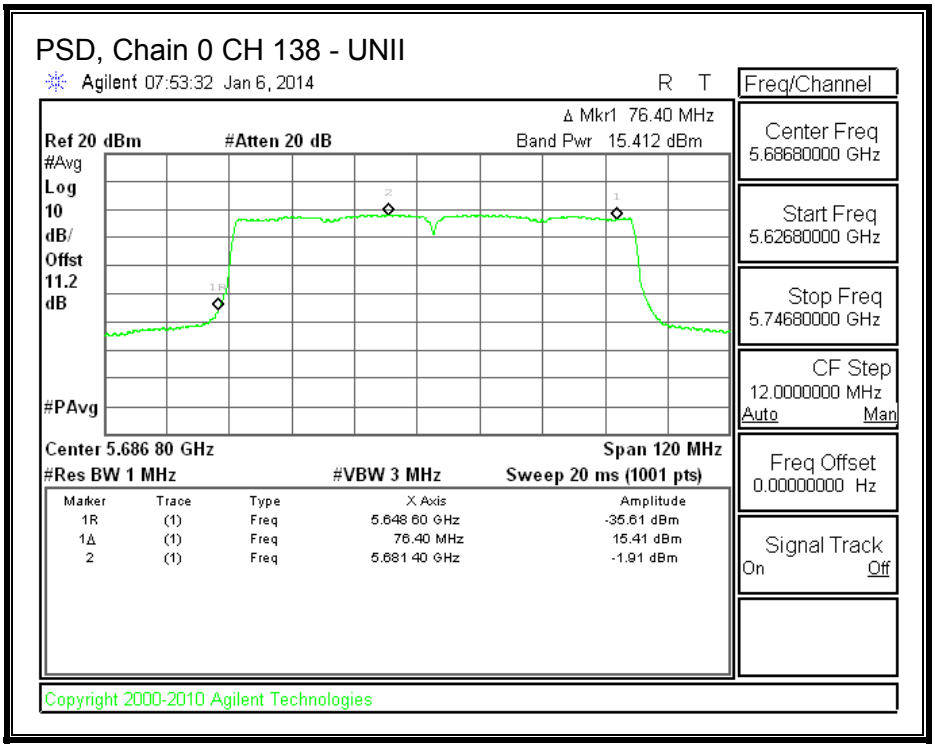
Output Power Results

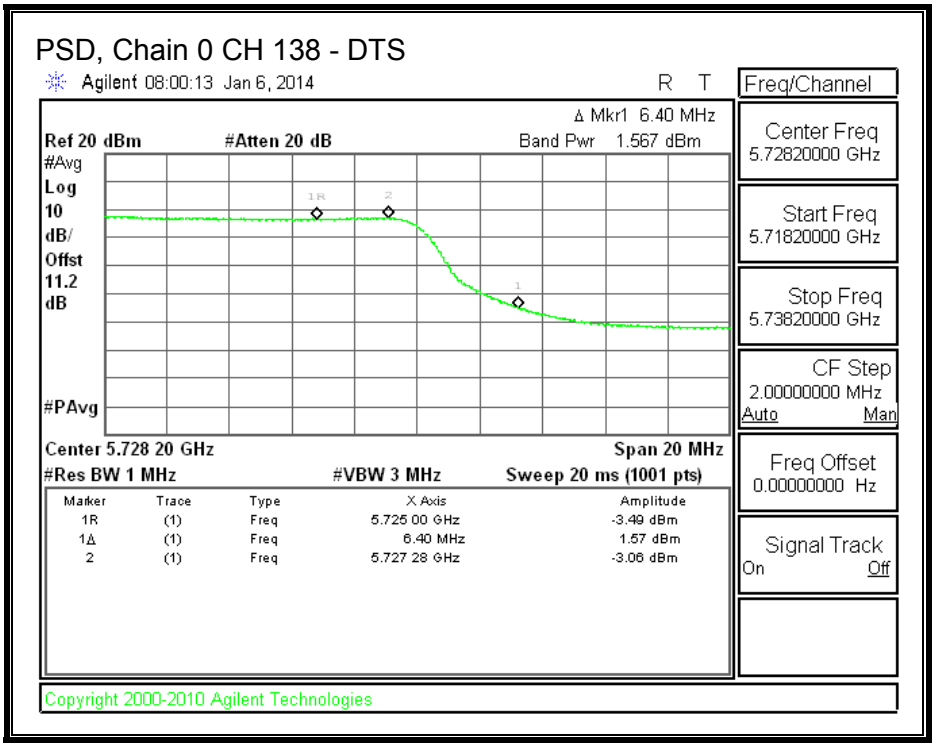
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	1.567	1.519	1.786	7.00	15.31	-8.31

PPSD Results

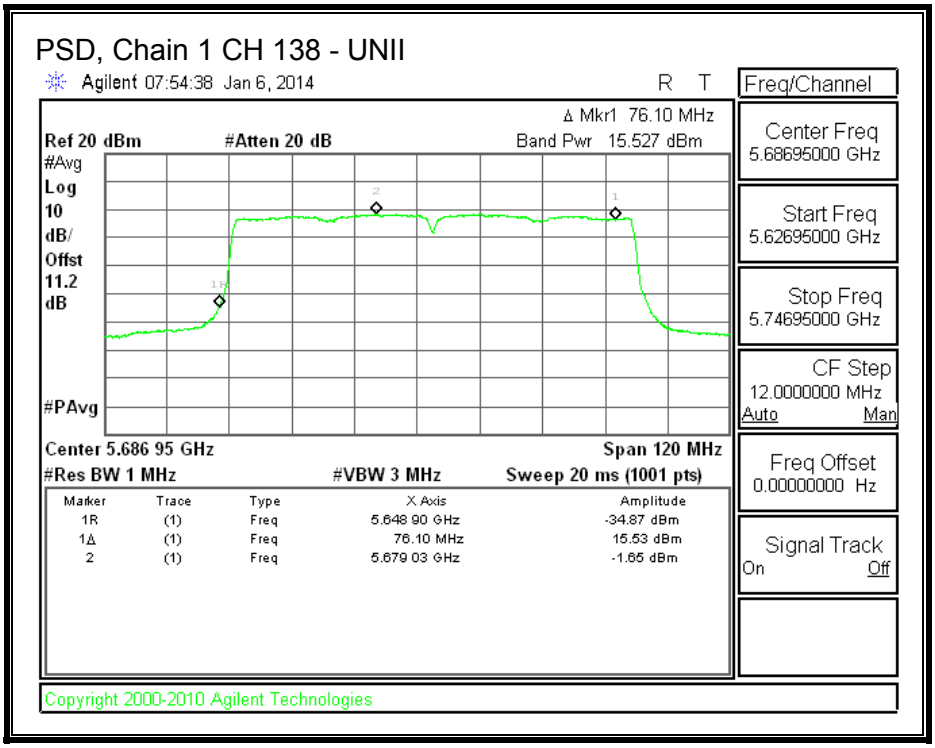
Channel	Frequency (MHz)	Chain 0 Meas PPSD (dBm)	Chain 1 Meas PPSD (dBm)	Chain 2 Meas PPSD (dBm)	Total Corr'd PPSD (dBm)	PPSD Limit (dBm)	PPSD Margin (dB)
138	5690	-3.06	-3.21	-3.03	2.27	11.00	-8.73

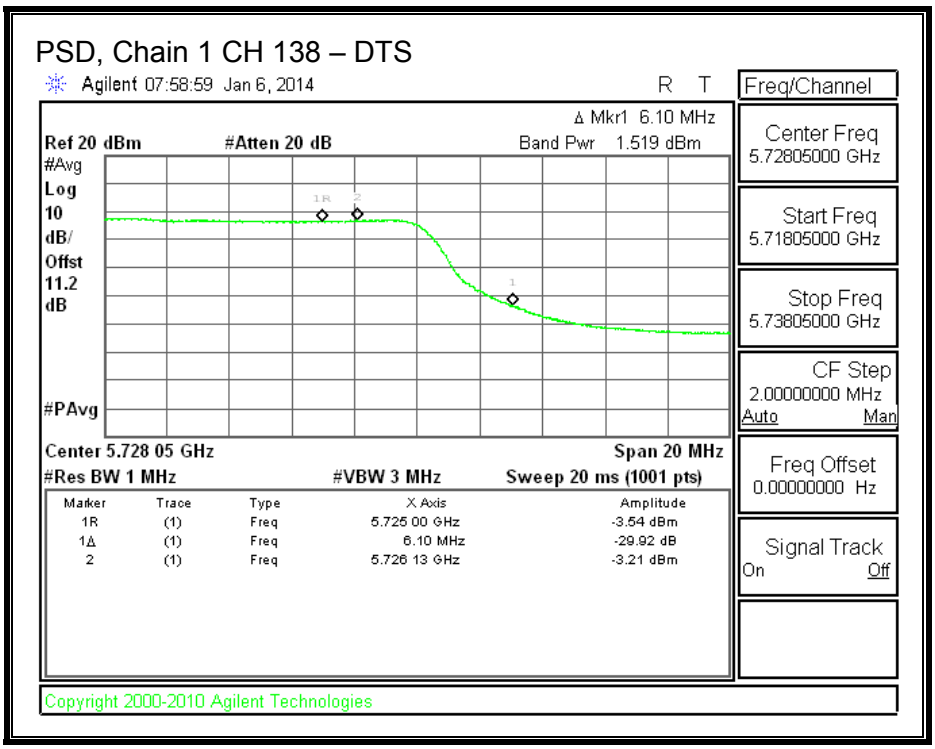
OUTPUT POWER & PPSD, Chain 0



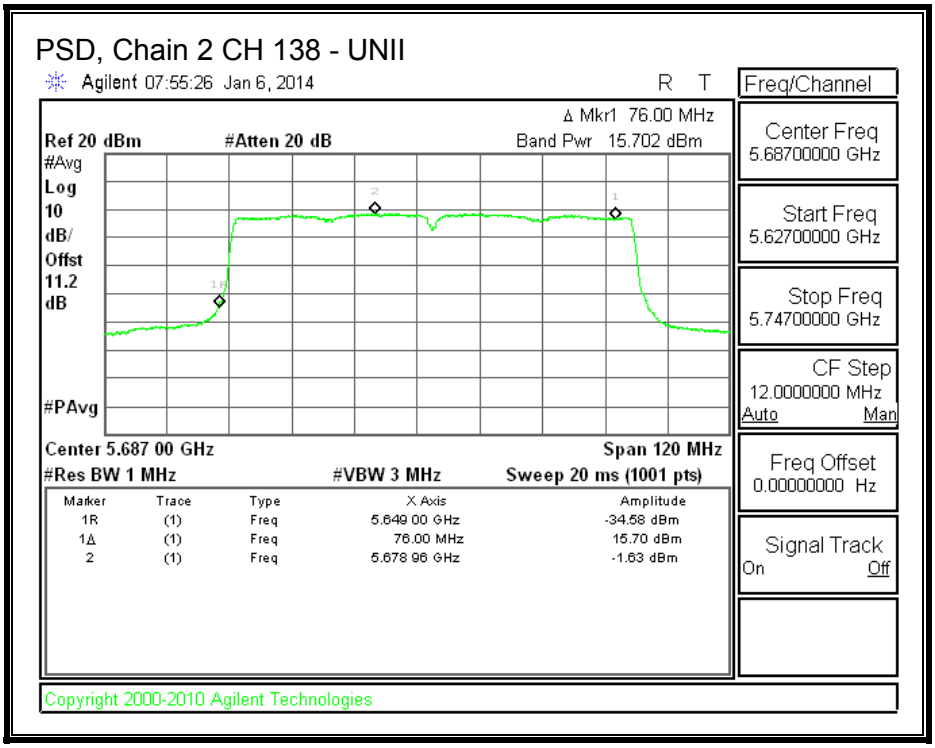


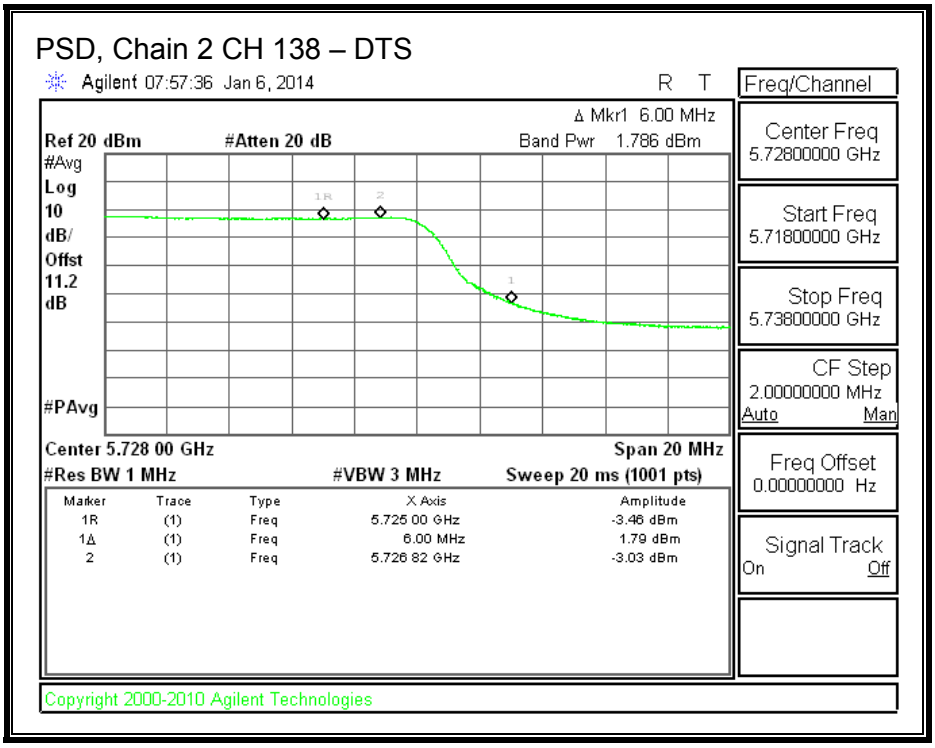
OUTPUT POWER & PPSD, Chain 1





OUTPUT POWER & PPSD, Chain 2





9. RADIATED TEST RESULTS

9.1. LIMITS AND PROCEDURE

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
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. The antenna to EUT distance is 3 meters.

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

The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

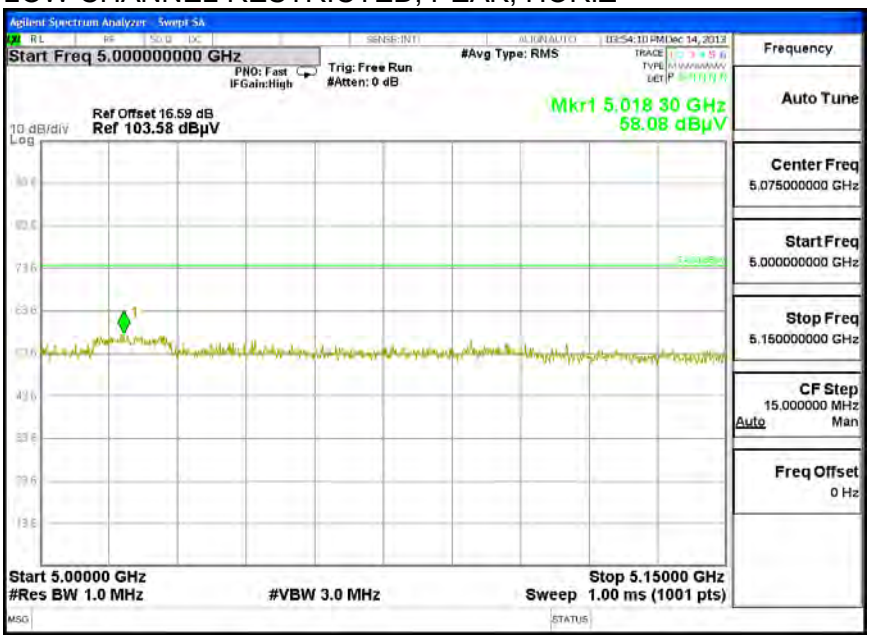
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

9.2. TRANSMITTER ABOVE 1 GHz

9.2.1. 802.11a 1TX SISO MODE IN THE 5.2 GHz BAND

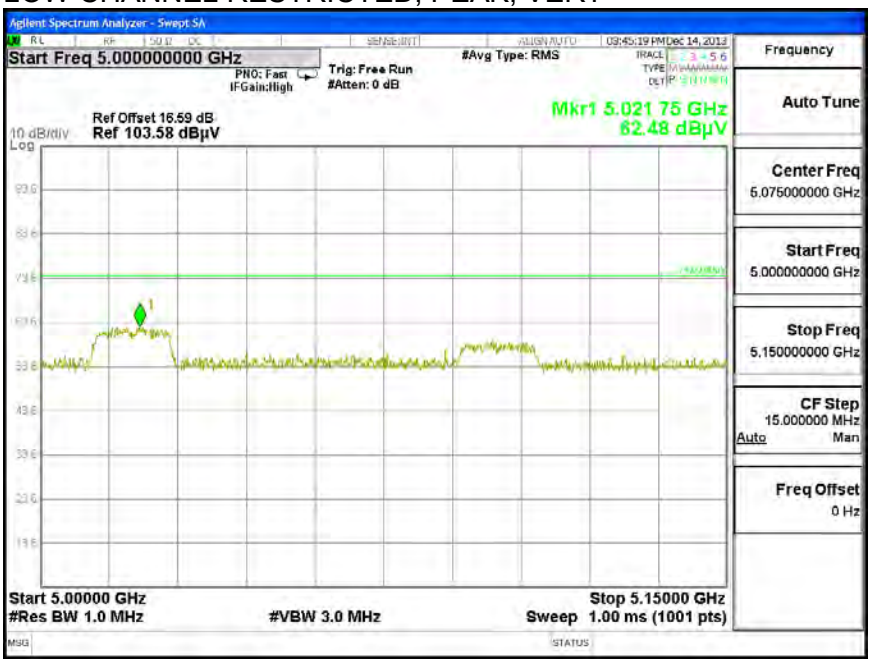
RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)

LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.776	49.64	PK	32.9	-29.7	0	52.84	-	-	74	-21.16	0-360	100	V
* 2.776	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
* 4.821	48.13	PK	34.4	-27.7	0	54.83	-	-	74	-19.17	0-360	100	V
* 5.020	53.25	PK	34.3	-26.8	0	60.75	-	-	74	-13.25	0-360	100	V
* 5.020	46.15	AD1	34.3	-26.9	.2	53.75	54	-0.25	-	-	216	134	V
* 5.105	44.23	PK	34.5	-18.4	0	60.33	-	-	74	-13.67	0-360	201	V
* 5.105	34.49	AD1	34.5	-18.4	.2	50.79	54	-3.21	-	-	98	172	V
5.260	43.30	PK	34.7	-18.1	0	59.90	-	-	68.2	-8.3	0-360	100	V
5.260	36.57	Avg	34.7	-18.1	.2	53.37	54	-0.63	-	-	0-360	100	V
5.343	43.86	PK	34.7	-18.5	0	60.06	-	-	68.2	-8.14	0-360	100	V
5.343	36.60	Avg	34.7	-18.5	.2	53.00	54	-1.00	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 40 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	52.28	PK	32.4	-30.3	0	54.38	-	-	68.2	-13.82	0-360	201	V
* 2.773	50.50	PK	32.9	-29.7	0	53.70	-	-	74	-20.30	0-360	100	V
* 2.773	31.87	AD1	32.9	-29.8	.2	35.17	54	-18.83	-	-	350	221	V
* 5.034	50.02	PK	34.4	-26.2	0	58.22	-	-	74	-15.78	0-360	100	V
* 5.034	38.93	AD1	34.4	-26	.2	47.53	54	-6.47	-	-	296	366	V
* 5.118	42.96	PK	34.5	-18.3	0	59.16	-	-	74	-14.84	0-360	201	H
* 5.118	33.59	AD1	34.5	-18.3	.2	49.99	54	-4.01	-	-	71	303	H
* 5.116	45.19	PK	34.5	-18.3	0	61.39	-	-	74	-12.61	0-360	100	V
* 5.116	35.74	AD1	34.5	-18.3	.2	52.14	54	-1.86	-	-	214	155	V
* 5.367	42.31	PK	34.7	-18.8	0	58.21	-	-	74	-15.79	0-360	100	V
* 5.367	34.41	Avg	34.7	-18.8	.2	50.51	54	-3.49	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 48 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.433	52.96	PK	32.4	-30.1	0	55.26	-	-	68.2	-12.94	0-360	100	H
2.501	50.84	PK	32.4	-30.3	0	52.94	-	-	68.2	-15.26	0-360	201	H
* 2.778	50.98	PK	32.9	-29.8	0	54.08	-	-	74	-19.92	0-360	100	V
* 2.778	37.16	AD1	32.9	-29.7	.2	40.56	54	-13.44	-	-	304	142	V
* 5.082	43.59	PK	34.4	-18.6	0	59.39	-	-	74	-14.61	0-360	100	V
* 5.082	34.10	AD1	34.4	-18.6	.2	50.10	54	-3.90	-	-	102	117	V
* 5.399	41.54	PK	34.8	-18.7	0	57.64	-	-	74	-16.36	0-360	100	V
* 5.399	33.96	Avg	34.8	-18.7	.2	50.26	54	-3.74	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

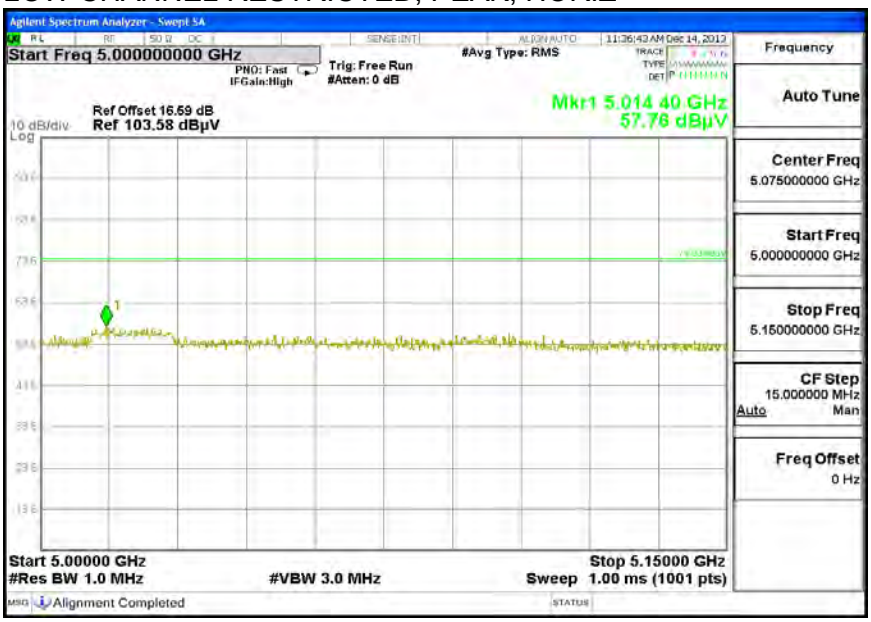
Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.2. 802.11n HT20 1TX SISO MODE IN THE 5.2 GHz BAND

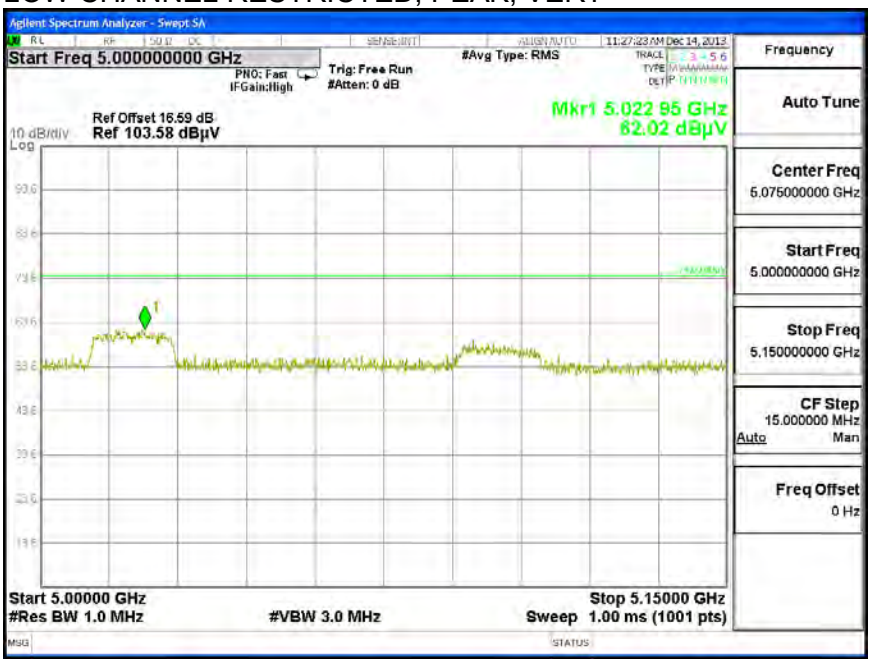
RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)

LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	49.95	PK	32.5	-30.4	0	52.05	-	-	68.2	-16.15	0-360	199	H
* 2.778	49.95	PK	32.7	-30.3	0	52.35	53.97	-1.62	74	-21.65	0-360	101	V
* 2.778	22.41	AD1	32.7	-30.3	.2	24.81	53.97	-29.16	-	-	298	106	V
2.988	49.25	PK	33.2	-30.3	0	52.15	-	-	68.2	-16.55	0-360	101	V
* 5.02	50.97	PK	34	-26.5	0	58.47	-	-	74	-15.53	0-360	101	V
* 5.02	31.9	AD1	34	-26.5	.2	39.4	53.97	-14.57	-	-	229	141	V
* 5.022	44.55	PK	34.1	-26.4	0	52.25	53.97	-1.72	74	-21.75	0-360	199	H
* 5.022	24.01	AD1	34.1	-26.4	.2	31.71	53.97	-22.26	-	-	171	115	H
5.339	42.98	PK	34.5	-19.3	0	58.18	-	-	68.2	-10.02	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 40 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.405	67.92	PK	32.6	-33.4	0	67.12	-	-	68.2	-1.08	0-360	101	H
* 2.801	51.27	PK	33.2	-32.5	0	51.97	-	-	74	-22.03	0-360	101	V
* 2.801	32.5	AD1	33.2	-32.5	.2	33.2	53.97	-20.77	-	-	292	208	V
2.981	49.88	PK	33.2	-32	0	51.08	-	-	68.2	-17.12	0-360	101	V
* 5.038	51.99	PK	34.4	-29	0	57.39	-	-	74	-16.61	0-360	101	V
* 5.038	38.31	AD1	34.4	-29	.2	43.71	53.97	-10.26	-	-	322	365	V
* 5.129	45.72	PK	34.6	-21.5	0	58.82	-	-	74	-15.18	0-360	101	V
* 5.129	33.47	AD1	34.5	-21.6	.2	46.37	53.97	-7.6	-	-	136	146	V
6.934	44.1	PK	35.9	-28.7	0	51.3	-	-	68.2	-16.9	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 48 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.576	51.88	PK	32.9	-32.9	0	51.88	-	-	68.2	-16.32	0-360	101	H
2.611	51.95	PK	32.9	-33.4	0	51.45	-	-	68.2	-16.66	0-360	199	H
* 2.798	50.12	PK	33.2	-32.5	0	50.82	-	-	74	-23.18	0-360	200	V
* 2.798	31.38	Av	33.2	-32.5	.2	32.08	53.97	-21.89	-	-	298	169	V
2.971	49.68	PK	33.2	-31.9	0	50.98	-	-	68.2	-17.22	0-360	101	V
5.159	45.47	PK	34.6	-21.4	0	58.67	-	-	68.2	-9.53	0-360	101	V
6.934	44.1	PK	35.9	-28.7	0	51.3	-	-	68.2	-16.9	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

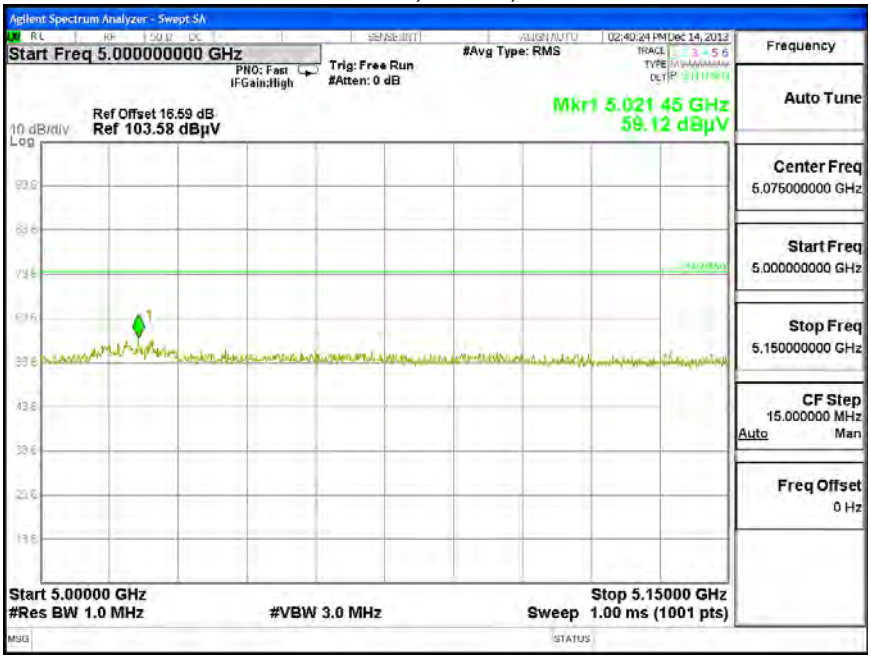
PK - Peak detector

Av - average detection

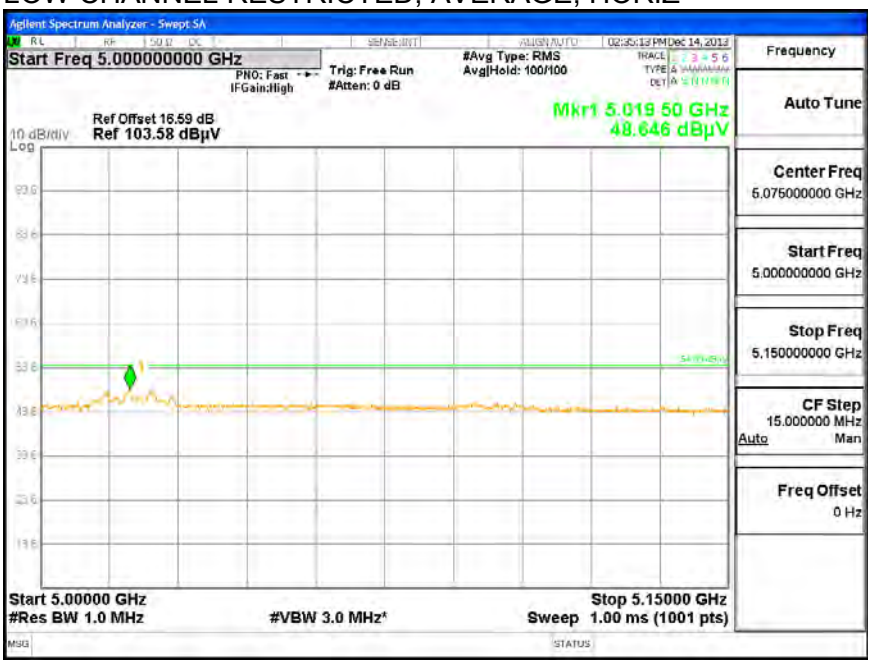
9.2.3. 802.11n HT20 3TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)

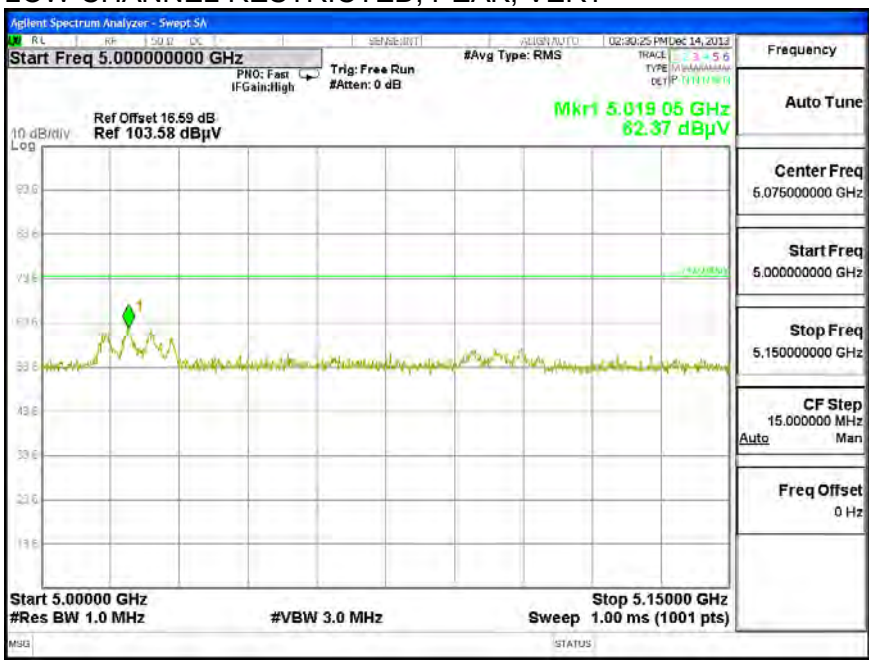
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.582	52.25	PK	32.9	-33	0	52.15	-	-	68.2	-16.05	0-360	200	H
5.275	40.57	PK	34.7	-21.3	0	53.97	-	-	68.2	-14.23	0-360	199	H
5.339	46.52	PK	34.7	-21.7	0	59.52	-	-	68.2	-8.68	0-360	199	V
5.341	40.01	PK	34.7	-21.7	0	53.01	-	-	68.2	-15.18	0-360	101	H
6.907	46.32	PK	35.9	-29.1	0	53.12	-	-	68.2	-15.08	0-360	101	V
6.907	46.08	PK	35.9	-29.1	0	52.88	-	-	68.2	-15.32	0-360	199	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

CH 40 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.36	44.58	PK	34.7	-21.7	0	57.58	-	-	74	-16.42	0-360	101	V
* 5.36	32.42	AD1	34.7	-21.7	.2	45.62	53.97	-8.35	-	-	3	176	V
2.577	53.37	PK	32.9	-33	0	53.27	-	-	68.2	-14.93	0-360	200	H
5.275	40.57	PK	34.7	-21.3	0	53.97	-	-	68.2	-14.23	0-360	199	H
5.281	44.86	PK	34.7	-21.4	0	58.16	-	-	68.2	-10.04	0-360	101	V
6.934	43.92	PK	35.9	-28.7	0	51.12	-	-	68.2	-17.38	0-360	200	H
6.934	47.26	PK	35.9	-28.7	0	54.46	-	-	68.2	-13.74	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 48 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.398	43.05	PK	34.8	-21.6	0	56.25	-	-	74	-17.75	0-360	101	V
*5.398	35.93	AD1	34.8	-21.5	.2	49.43	53.97	-4.54	-	-	97	102	V
2.582	52.25	PK	32.9	-33	0	52.15	-	-	68.2	-16.05	0-360	200	H
5.275	40.57	PK	34.7	-21.3	0	53.97	-	-	68.2	-14.23	0-360	199	H
5.281	44.86	PK	34.7	-21.4	0	58.16	-	-	68.2	-10.04	0-360	101	V
5.319	40.3	PK	34.7	-21.6	0	53.4	-	-	68.2	-14.8	0-360	101	H
6.987	43.19	PK	36	-28.8	0	50.39	-	-	68.2	-17.81	0-360	101	H
6.987	45.77	PK	36	-28.8	0	52.97	-	-	68.2	-15.23	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

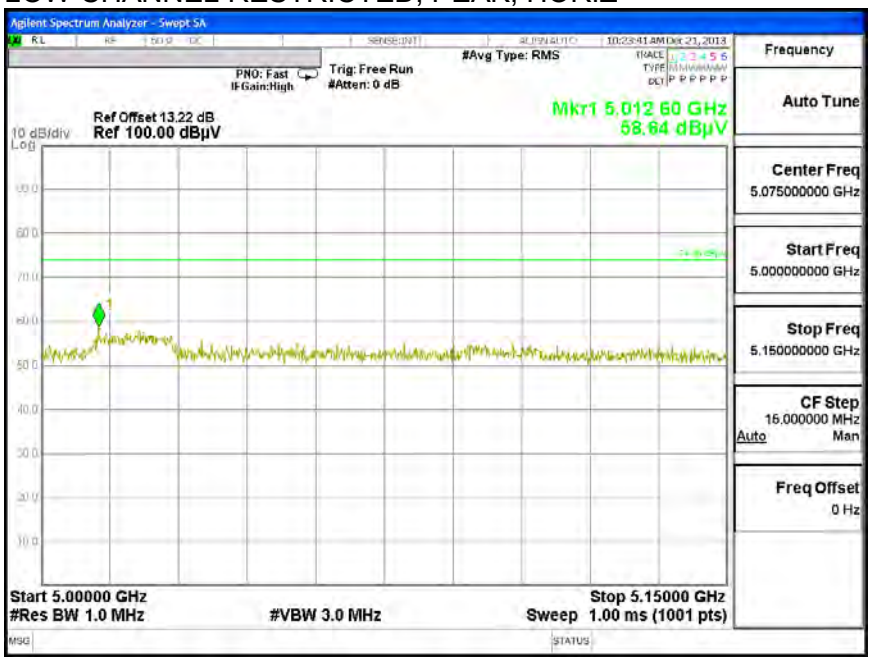
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

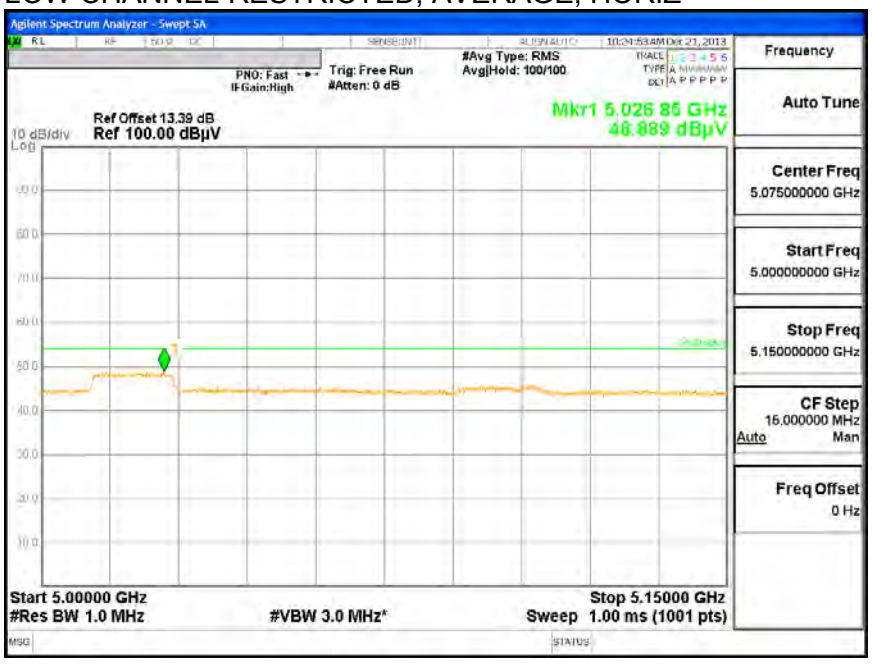
9.2.4. 802.11n HT20 3TX SDM MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)

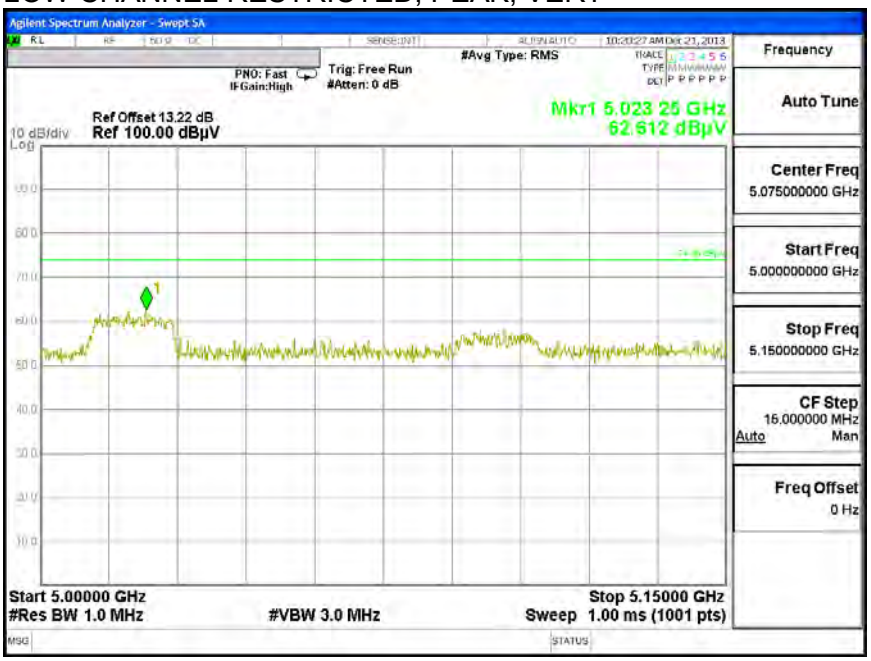
LOW CHANNEL RESTRICTED, PEAK, HORIZ



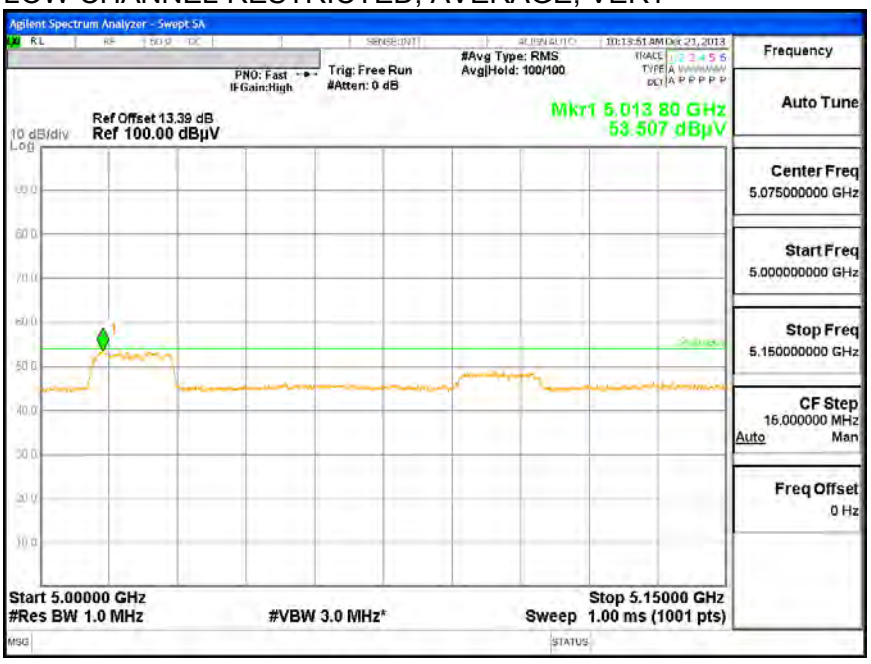
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.779	48.09	PK	32.7	-30.3	0	50.49	54	-3.51	74	-23.51	0-360	101	V
* 5.024	44.82	PK	34.1	-26.4	0	52.52	-	-	74	-21.48	0-360	199	H
* 5.024	36.02	AD1	34	-26.5	.2	43.72	54	-10.28	-	-	184	117	H
2.6	49.06	PK	32.6	-30	0	51.66	-	-	68.2	-16.54	0-360	199	H
2.969	46.97	PK	33.1	-30.2	0	49.87	-	-	68.2	-18.33	0-360	101	V
6.907	42.25	PK	35.7	-27	0	50.95	-	-	68.2	-17.25	0-360	199	H
6.907	44.64	PK	35.7	-27	0	53.34	-	-	68.2	-14.86	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

CH 40 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.795	48.09	PK	32.7	-30.2	0	50.59	54	-3.41	74	-23.41	0-360	101	V
* 5.038	43	PK	34.1	-26.4	0	50.7	-	-	74	-23.3	0-360	199	H
* 5.038	29.68	AD1	34.1	-26.4	.2	37.58	54	-16.42	-	-	188	367	H
* 5.045	47.98	PK	34.1	-26.6	0	55.48	-	-	74	-18.52	0-360	101	V
* 5.045	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	74	-26.05	5	209	V
2.584	49.05	PK	32.6	-30.2	0	51.45	-	-	68.2	-16.75	0-360	101	H
2.971	47.12	PK	33.1	-30.2	0	50.02	-	-	68.2	-18.18	0-360	101	V
6.934	42.36	PK	35.7	-26.5	0	51.56	-	-	68.2	-16.64	0-360	200	H
6.934	43.98	PK	35.7	-26.5	0	53.18	-	-	68.2	-15.02	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

CH 48 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.78	48.59	PK	32.7	-30.3	0	50.99	54	-3.01	74	-23.01	0-360	101	V
* 4.759	43.19	PK	34.1	-27.7	0	49.59	54	-4.41	74	-24.41	0-360	101	H
2.584	47.92	PK	32.6	-30.2	0	50.32	-	-	68.2	-17.88	0-360	101	H
2.979	46.32	PK	33.1	-30.1	0	49.32	-	-	68.2	-18.88	0-360	101	V
6.987	41.01	PK	35.7	-25.9	0	50.81	-	-	68.2	-17.39	0-360	200	H
6.987	42.75	PK	35.7	-25.9	0	52.55	-	-	68.2	-15.65	0-360	101	V

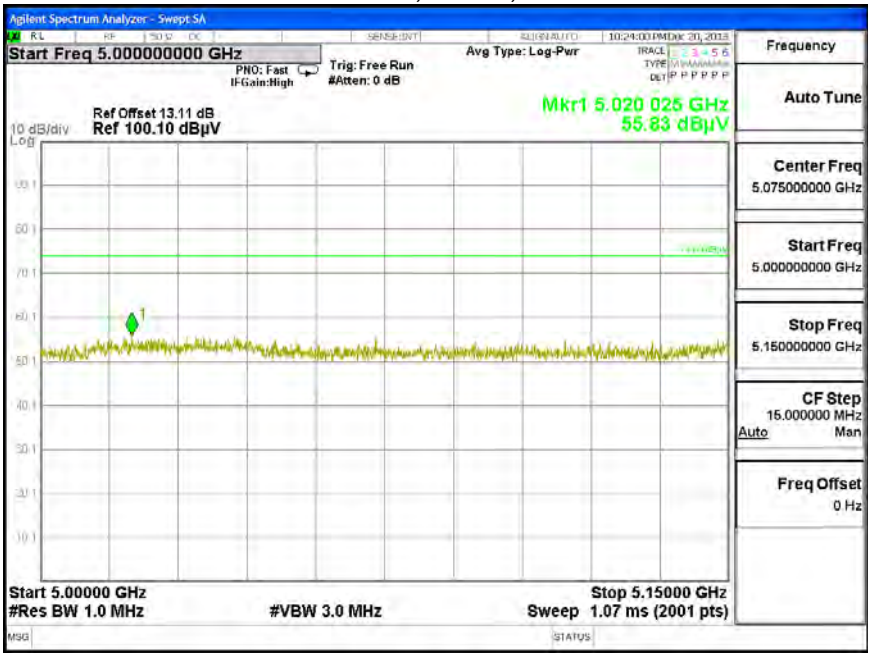
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

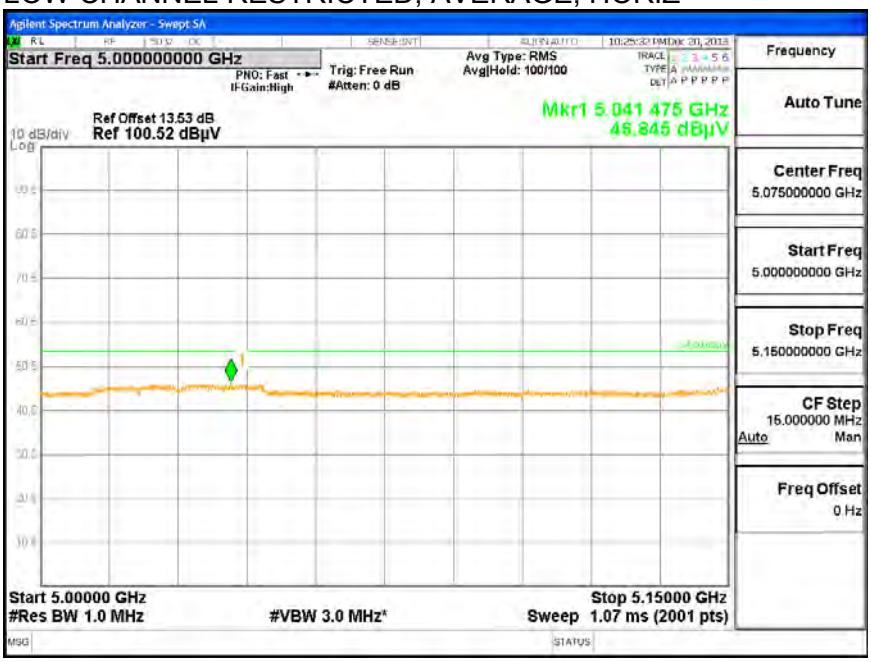
9.2.5. 802.11n HT40 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)

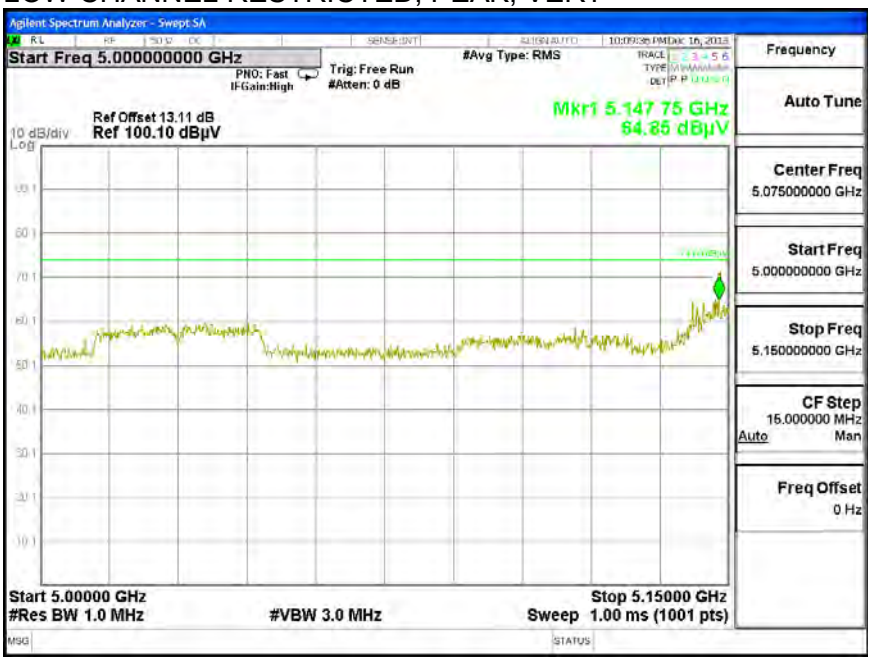
LOW CHANNEL RESTRICTED, PEAK, HORIZ



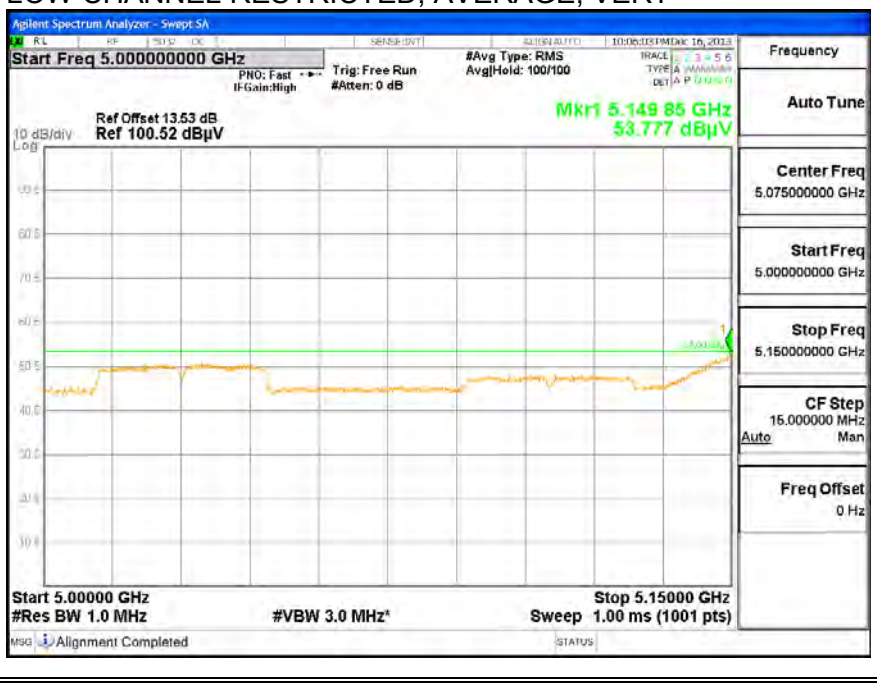
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 38 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.785	43.33	PK	32.9	-29.1	0	47.13	54	-6.87	74	-26.87	0-360	100	H
* 2.794	49.36	PK	32.9	-29.2	0	53.06	-	-	74	-20.94	0-360	100	V
* 2.794	31.35	AD1	32.9	-29.2	0.3	35.35	54	-18.65	-	-	122	286	V
* 5.027	42.04	PK	34.3	-25.9	0	50.44	-	-	74	-23.56	0-360	100	H
* 5.027	33.6	AD1	34.3	-26	0.4	42.3	54	-11.7	-	-	186	100	H
* 5.036	46.92	PK	34.4	-25.6	0	55.72	-	-	74	-18.28	0-360	100	V
* 5.036	41.86	AD1	34.4	-25.7	0.4	50.96	54	-3.04	-	-	236	106	V
2.59	50.13	PK	32.6	-30.2	0	52.53	-	-	68.2	-15.67	0-360	100	H
2.593	46.28	PK	32.6	-30.2	0	48.68	-	-	68.2	-21.52	0-360	100	V
2.972	45.96	PK	33.1	-29.2	0	49.86	-	-	68.2	-18.34	0-360	100	V
6.921	39.52	PK	35.8	-25.2	0	50.12	-	-	68.2	-18.08	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 46 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.78	41.7	PK	32.9	-29.2	0	45.4	54	-8.6	74	-28.6	0-360	100	H
* 2.784	47.7	PK	32.9	-29.1	0	51.5	-	-	74	-22.5	0-360	100	V
* 2.784	31.35	AD1	32.9	-29.2	0.4	35.35	54	-18.64	-	-	122	286	V
* 3.759	45.18	PK	33.8	-28.7	0	50.28	-	-	74	-23.72	0-360	100	V
* 3.759	31.86	AD1	33.8	-28.7	0.4	37.36	54	-16.64	-	-	331	125	V
* 5.063	46.69	PK	34.4	-25.1	0	55.99	-	-	74	-18.01	0-360	100	V
* 5.063	41.86	AD1	34.4	-25.7	0.4	50.96	54	-3.04	-	-	236	106	V
* 5.066	40.67	PK	34.4	-25.1	0	49.97	-	-	74	-24.03	0-360	100	H
* 5.066	33.6	AD1	34.3	-26	0.4	42.3	54	-11.7	-	-	186	100	H
* 5.141	42.42	PK	34.5	-18.3	0	58.62	-	-	74	-15.38	0-360	100	V
* 5.141	36.02	AD1	34.5	-18.2	0.4	52.72	54	-1.28	-	-	224	123	V
2.591	46.64	PK	32.6	-30.2	0	49.04	-	-	68.2	-19.16	0-360	100	H
2.606	45.93	PK	32.6	-30.3	0	48.23	-	-	68.2	-19.97	0-360	100	V
2.968	40.27	PK	33.1	-29.4	0	43.97	-	-	68.2	-24.23	0-360	201	H
2.975	46.73	PK	33.1	-29.2	0	50.63	-	-	68.2	-17.57	0-360	100	V
5.305	41.56	PK	34.7	-17.7	0	58.56	-	-	68.2	-9.64	0-360	100	V
6.974	39.88	PK	35.9	-25.7	0	50.08	-	-	68.2	-18.12	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

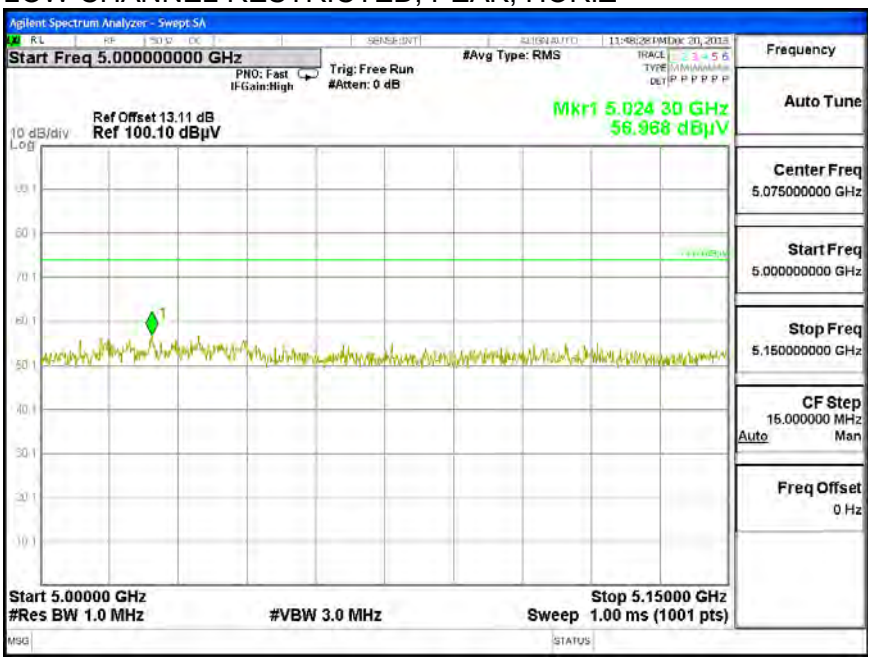
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.6. 802.11n HT40 3TX CDD MODE IN THE 5.2 GHz BAND

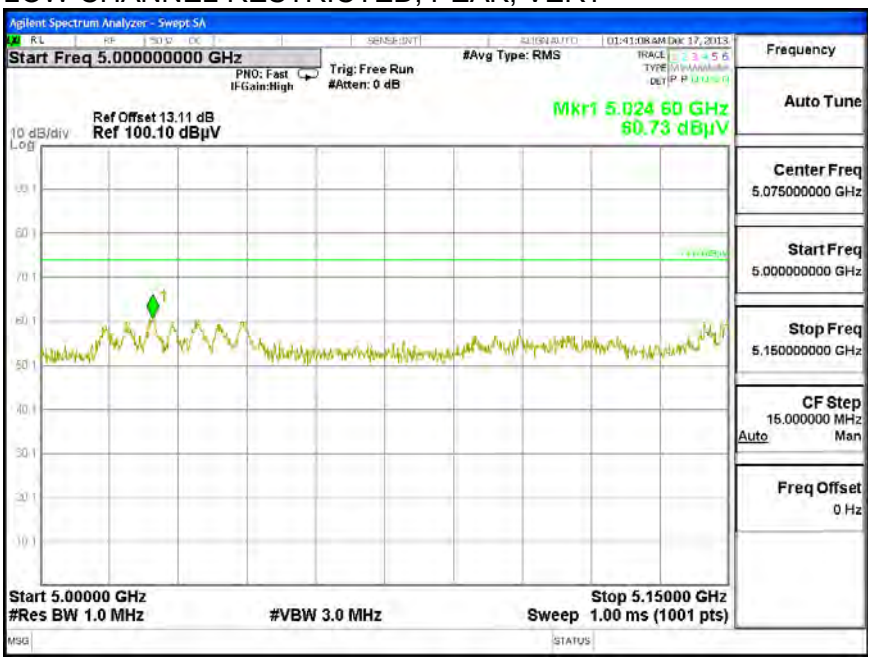
RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)

LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 38 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.799	50.65	PK	32.9	-30	0	53.55	-	-	74	-20.45	0-360	201	V
* 2.799	37.41	AD1	32.9	-30	.1	40.41	53.97	-13.56	-	-	312	102	V
* 3.789	45.47	PK	33.8	-29.2	0	50.07	54	-3.93	74	-23.93	0-360	100	V
* 5.033	48.03	PK	34.4	-26.2	0	56.23	-	-	74	-17.77	0-360	100	V
* 5.033	41.05	AD1	34.4	-26.2	.1	49.35	53.97	-4.62	-	-	205	110	V
2.599	48.04	PK	32.6	-30.7	0	49.94	-	-	68.2	-18.26	0-360	100	H
2.989	45.26	PK	33.1	-29.3	0	49.06	-	-	68.2	-19.14	0-360	100	V
6.921	41.05	PK	35.8	-25.9	0	50.95	-	-	68.2	-17.25	0-360	100	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.356	42.05	PK	34.7	-18.7	0	58.05	-	-	74	-15.95	0-360	100	V
* 5.356	33.64	AD1	34.7	-18.8	.1	49.64	53.97	-4.33	-	-	84	122	V
5.624	42.68	PK	35	-18.2	0	59.48	-	-	68.2	8.72-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 46 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.594	47.97	PK	32.6	-30.6	0	49.97	-	-	68.2	-18.23	0-360	100	H
3.187	53.7	PK	33.2	-30.2	0	56.7	-	-	68.2	-11.5	0-360	201	H
2.581	44.76	PK	32.6	-30.7	0	46.66	-	-	68.2	-21.54	0-360	100	V
* 2.78	49.04	PK	32.9	-29.8	0	52.14	-	-	74	-21.86	0-360	100	V
* 2.78	31.35	AD1	32.9	-29.2	0.1	35.35	54	-18.65	-	-	122	286	V
2.983	47.86	PK	33.1	-29.3	0	51.66	-	-	68.2	-16.54	0-360	100	V
6.974	44.72	PK	35.9	-26.3	0	54.32	-	-	68.2	-13.88	0-360	100	V
6.974	42.14	PK	35.9	-26.3	0	51.74	-	-	68.2	-16.46	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

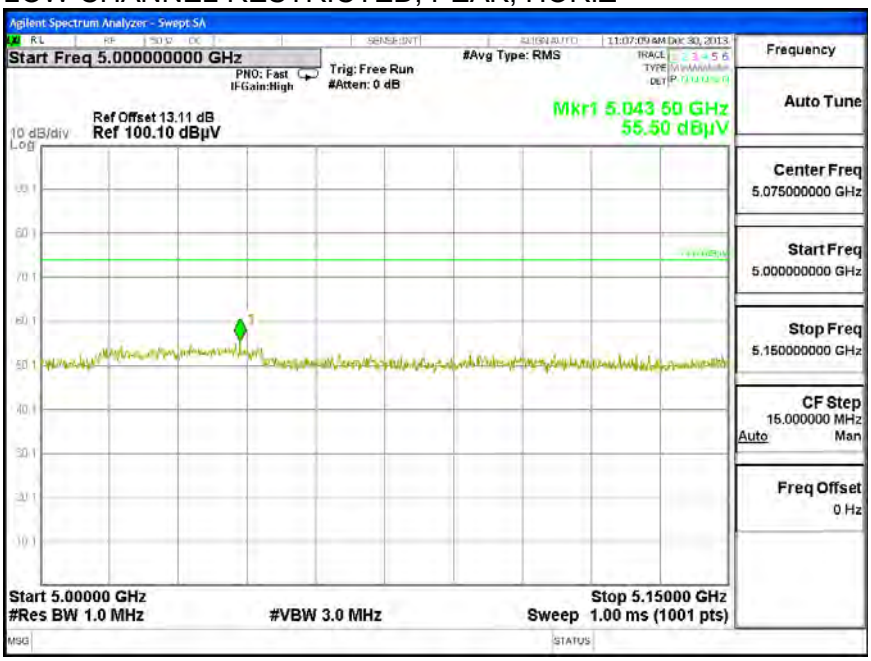
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.7. 802.11n HT40 3TX SDM MODE IN THE 5.2 GHz BAND

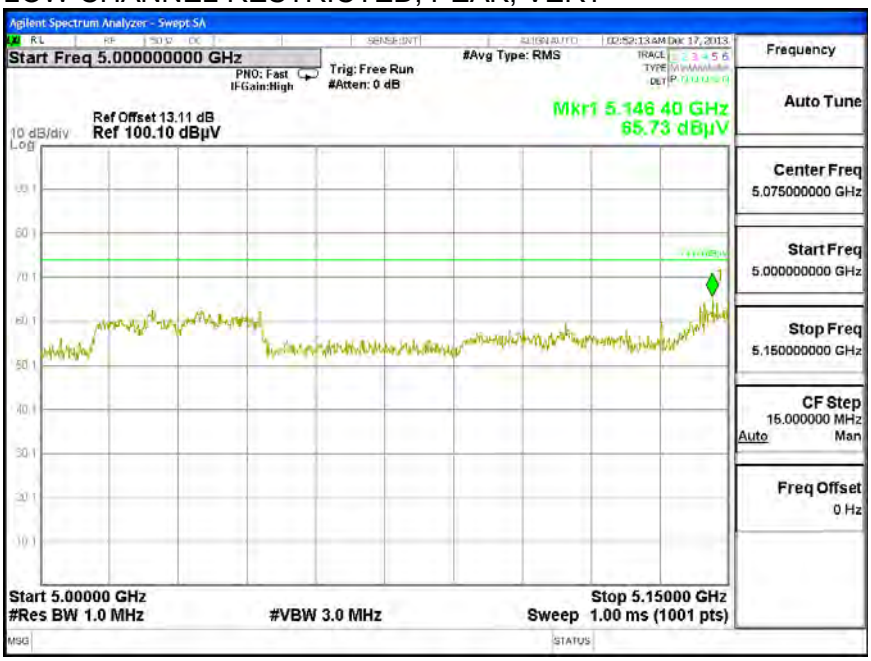
RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)

LOW CHANNEL RESTRICTED, PEAK, HORIZ

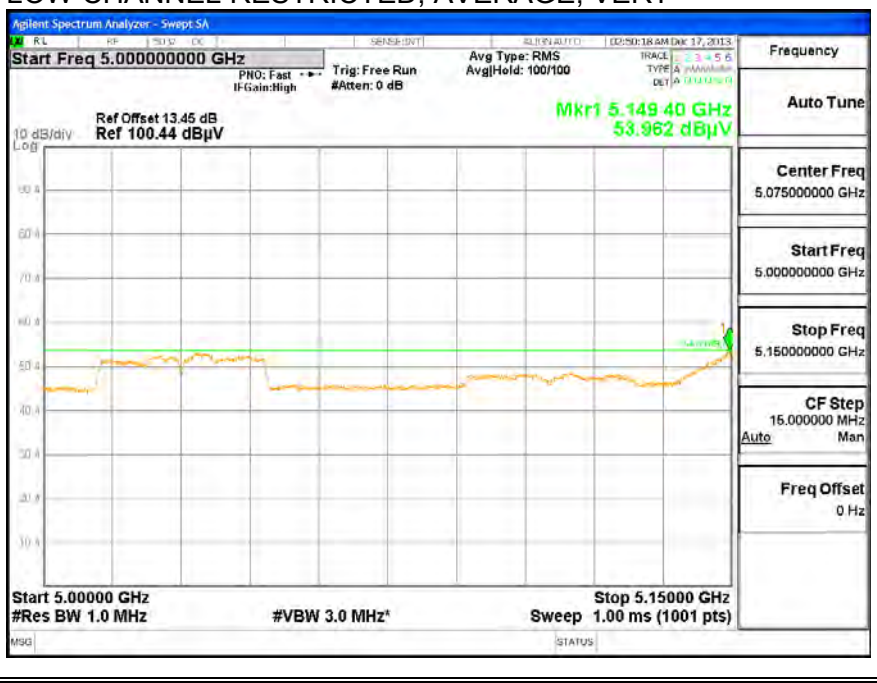


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 38 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.034	44.81	PK	34.4	-25.7	0	53.51	-	-	74	-20.49	0-360	100	H
* 2.789	50.12	PK	32.9	-29.1	0	53.92	-	-	74	-20.08	0-360	100	V
* 2.789	37.36	AD1	32.9	-29.1	.3	41.46	54	-13.54	-	-	283	110	V
* 5.025	49.96	PK	34.3	-26	0	58.26	-	-	74	-15.74	0-360	100	V
* 5.025	42.06	AD1	34.3	-26	.3	50.66	54	-3.34	-	-	210	128	V
2.972	48.31	PK	33.1	-29.2	0	52.21	-	-	68.2	-15.99	0-360	100	V
3.185	60.62	PK	33.2	-29.8	0	64.02	-	-	68.2	-4.18	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.356	43.16	PK	34.7	-18.2	0	59.66	-	-	74	-14.34	0-360	100	V
* 5.356	35.21	AD1	34.7	-18	.3	52.21	54	-1.79	-	-	210	103	V
5.623	43.64	PK	35	-17.7	0	60.94	-	-	68.2	-7.26	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.92	42.41	PK	35.8	-25.2	0	53.01	-	-	68.2	-15.19	0-360	201	H
6.921	44.39	PK	35.8	-25.2	0	54.99	-	-	68.2	-13.21	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 46 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.057	46.41	PK	34.4	-25.1	0	55.71	-	-	74	-18.29	0-360	100	V
* 5.057	37.29	AD1	34.4	-25.1	.3	46.89	54	-7.11	-	-	205	139	V
* 2.797	49.57	PK	32.9	-29.2	0	53.27	-	-	74	-20.73	0-360	100	V
* 2.797	37.36	AD1	32.9	-29.1	.3	41.46	54	-12.54	-	-	283	110	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.146	42.28	PK	34.5	-18.2	0	58.58	-	-	74	-15.42	0-360	100	V
* 5.146	35.35	AD1	34.5	-18.2	.3	51.95	54	-2.05	-	-	216	110	V
* 5.394	39.13	PK	34.8	-18.2	0	55.73	-	-	74	-18.27	0-360	100	V
* 5.394	32.61	AD1	34.8	-18.2	.3	49.51	54	-4.49	-	-	211	116	V
5.666	43.42	PK	35.1	-17.4	0	61.12	-	-	68.2	-7.08	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.974	44.27	PK	35.9	-25.7	0	54.47	-	-	68.2	-13.73	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

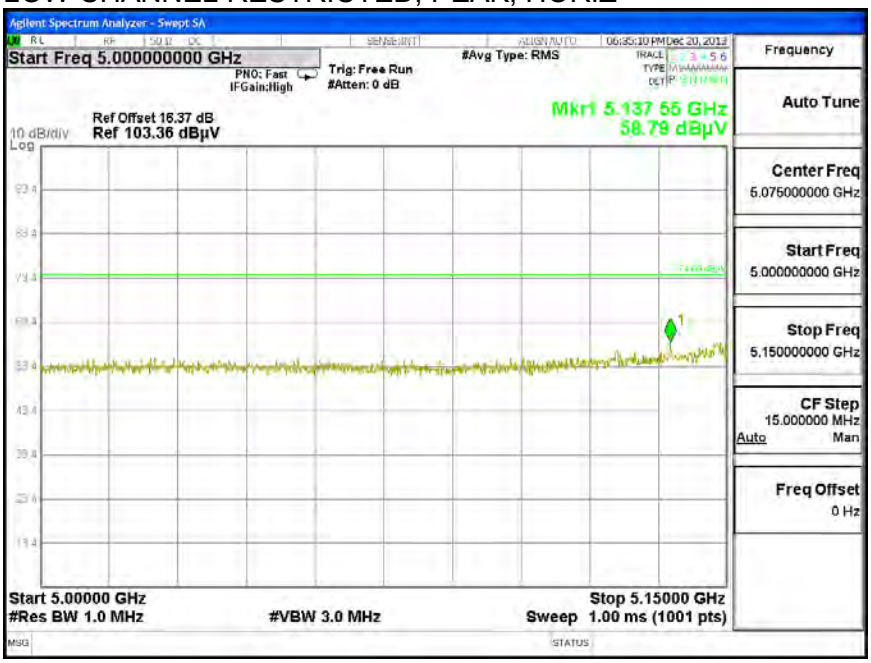
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

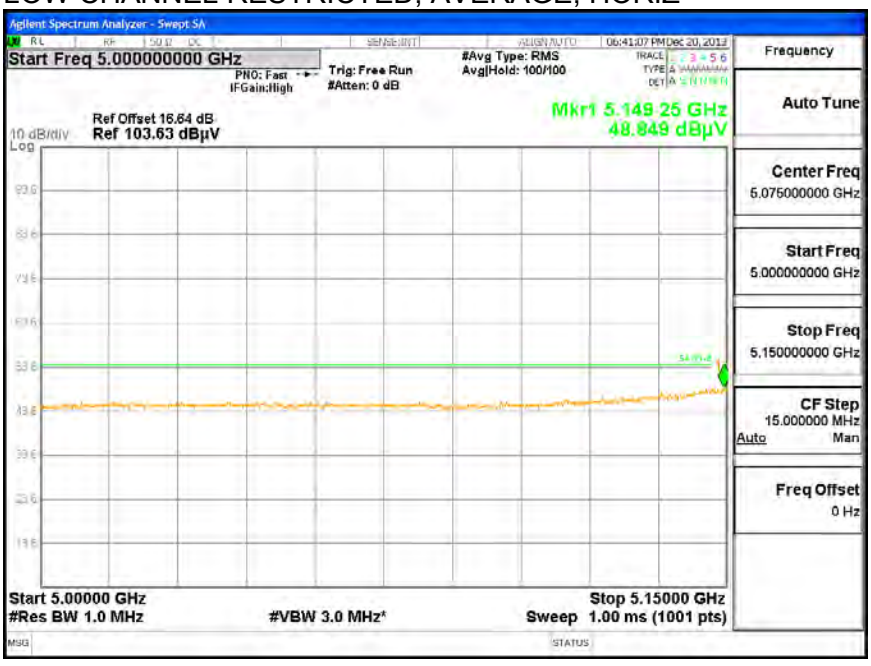
9.2.8. 802.11ac 80MHz 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)

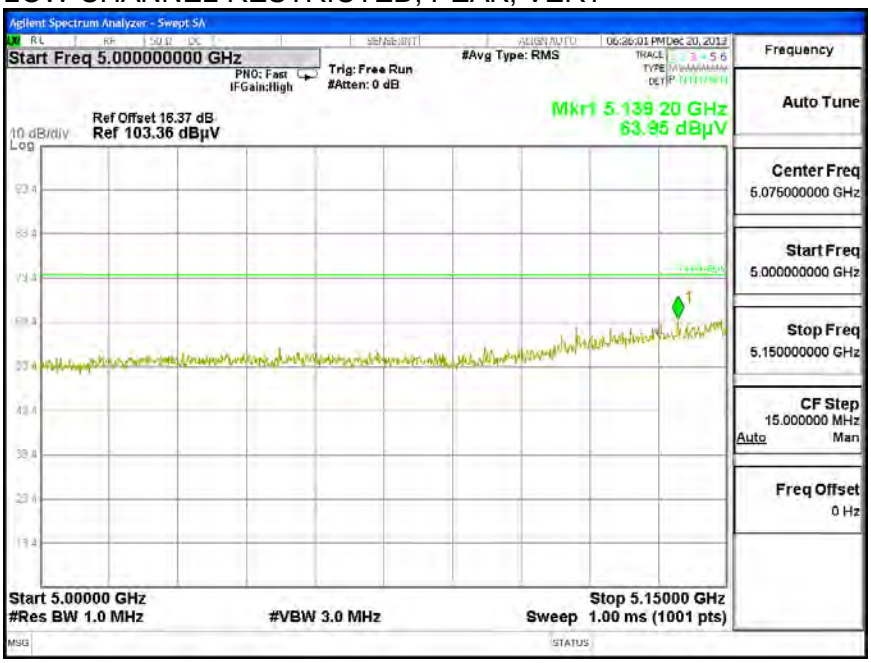
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 42 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.191	54.15	PK	28.9	-35.2	0	47.85	54	-6.15	74	-26.15	0-360	101	V
* 2.793	50.92	PK	33.2	-32.5	0	51.62	-	-	74	-22.38	0-360	101	V
* 2.793	31.35	AD1	32.9	-29.2	0.3	35.35	54	-18.65	-	-	122	286	V
2.595	50.06	PK	32.9	-33.3	0	49.66	-	-	68.2	-18.54	0-360	199	H
2.6	49.42	PK	32.9	-33.3	0	49.02	-	-	68.2	-19.18	0-360	101	V
2.978	47.97	PK	33.2	-31.9	0	49.27	-	-	68.2	-18.93	0-360	101	V
6.947	42.83	PK	36	-28.9	0	49.93	-	-	68.2	-18.27	0-360	101	V
6.948	41.16	PK	36	-28.9	0	48.26	-	-	68.2	-19.94	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

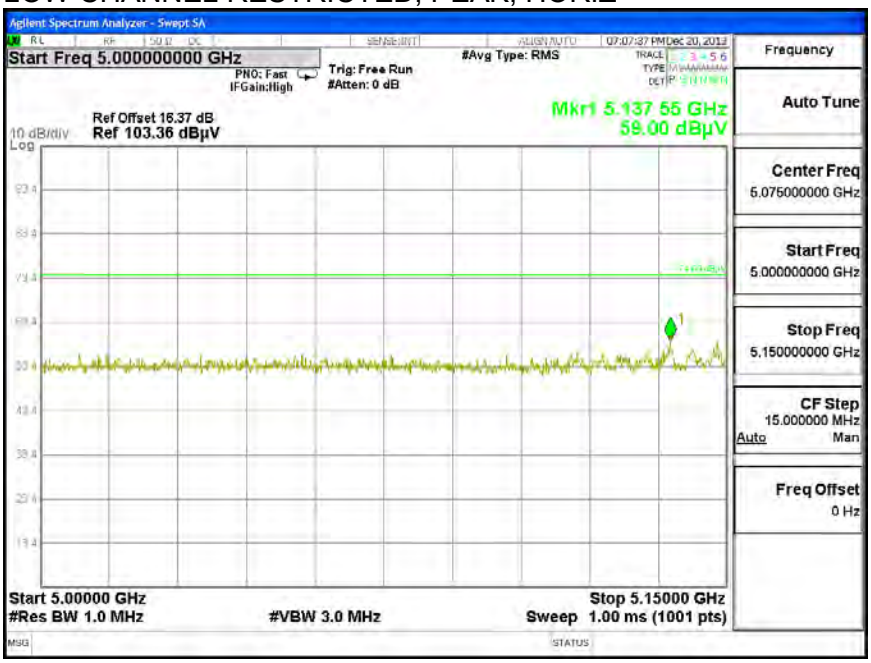
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

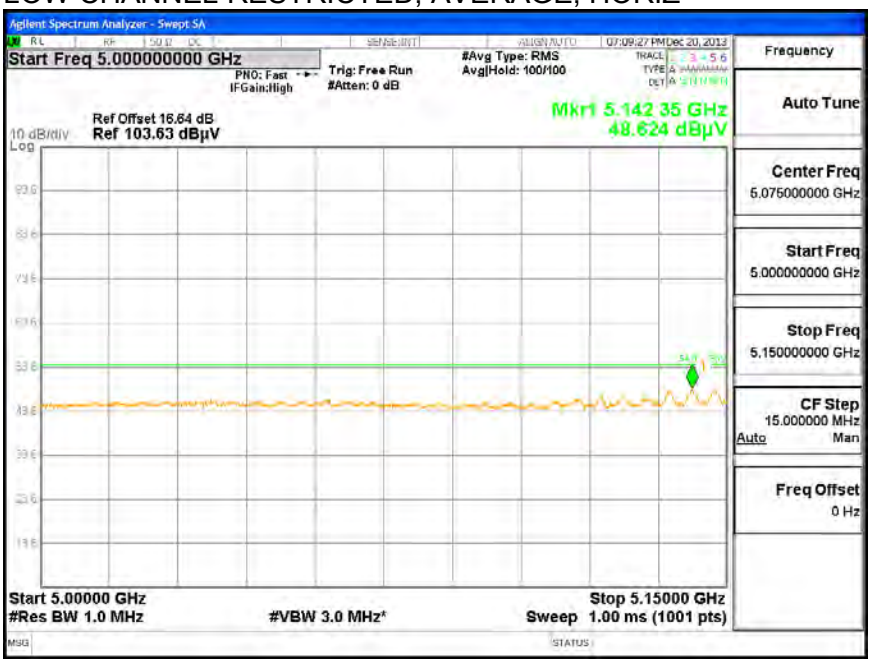
9.2.9. 802.11ac 80MHz 3TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)

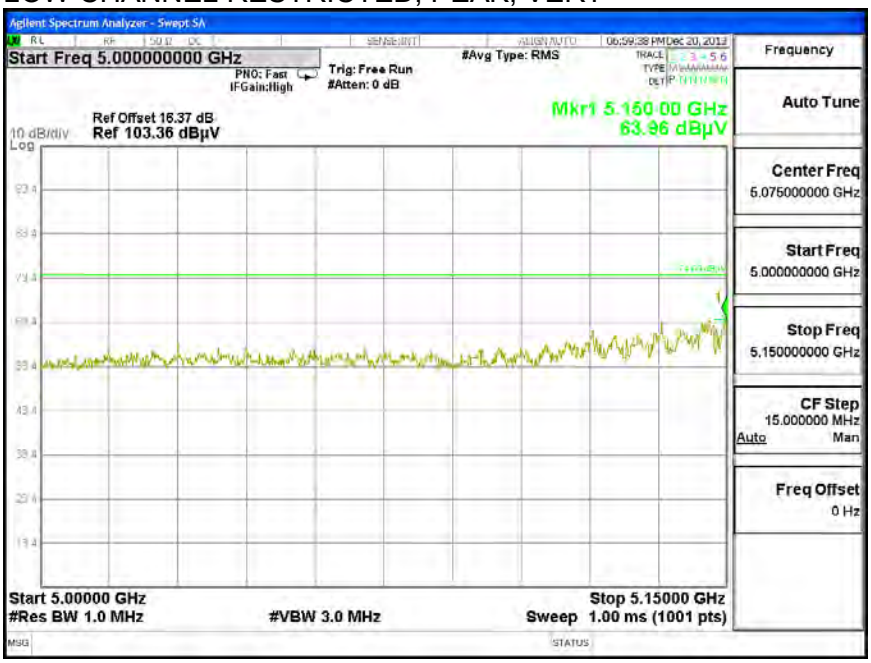
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 42 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.198	54.1	PK	29	-35.1	0	48	54	-6	74	-26	0-360	101	V
* 2.798	50.47	PK	33.2	-32.5	0	51.17	-	-	74	-22.83	0-360	101	V
* 2.798	31.35	AD1	32.9	-29.2	0.3	35.35	54	-18.65	-	-	122	286	V
* 4.776	45.92	PK	34.4	-30.1	0	50.22	54	-3.78	74	-23.78	0-360	200	H
* 4.786	44.7	PK	34.4	-30.2	0	48.9	-	-	74	-25.1	0-360	101	V
* 4.786	31.93	AD1	34.4	-30	0.3	36.33	53.97	-17.64	-	-	269	256	H
2.599	49.09	PK	32.9	-33.3	0	48.69	-	-	68.2	-19.51	0-360	200	H
2.985	49.11	PK	33.2	-32.1	0	50.21	-	-	68.2	-17.99	0-360	101	V
6.948	44.31	PK	36	-28.9	0	51.41	-	-	68.2	-16.79	0-360	199	H
6.948	48.42	PK	36	-28.9	0	55.52	-	-	68.2	-12.68	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

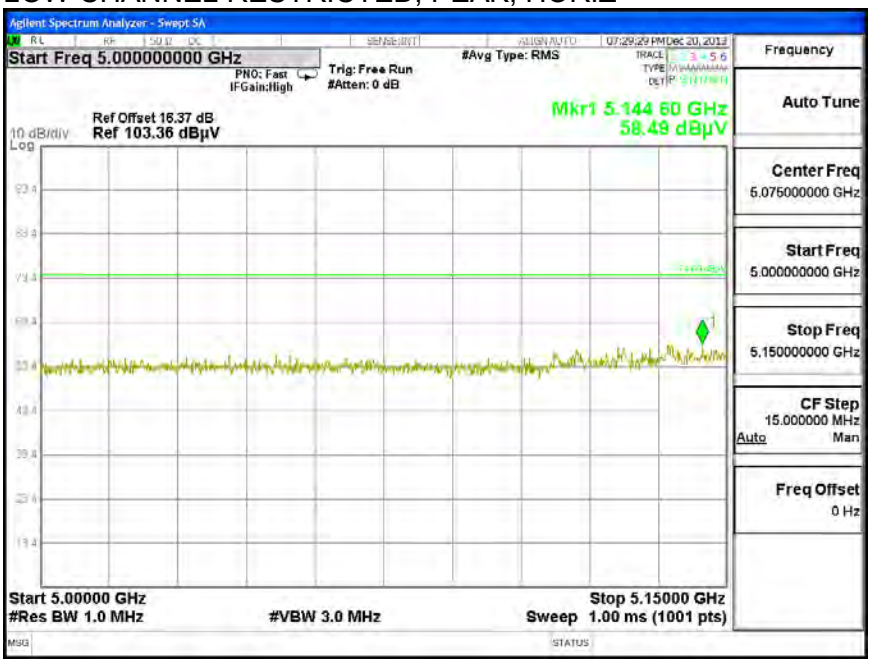
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

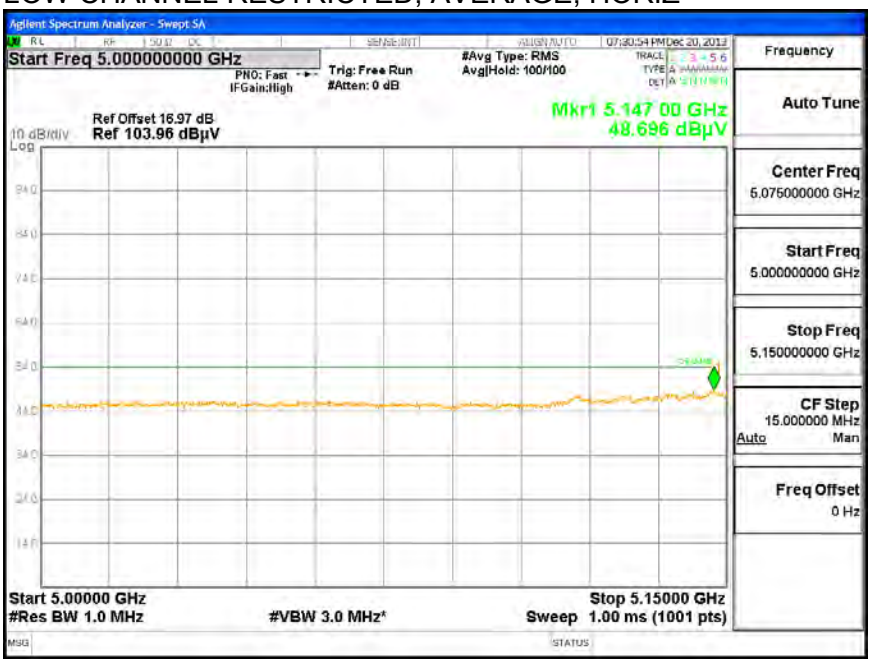
9.2.10. 802.11ac 80MHz 3TX SDM MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)

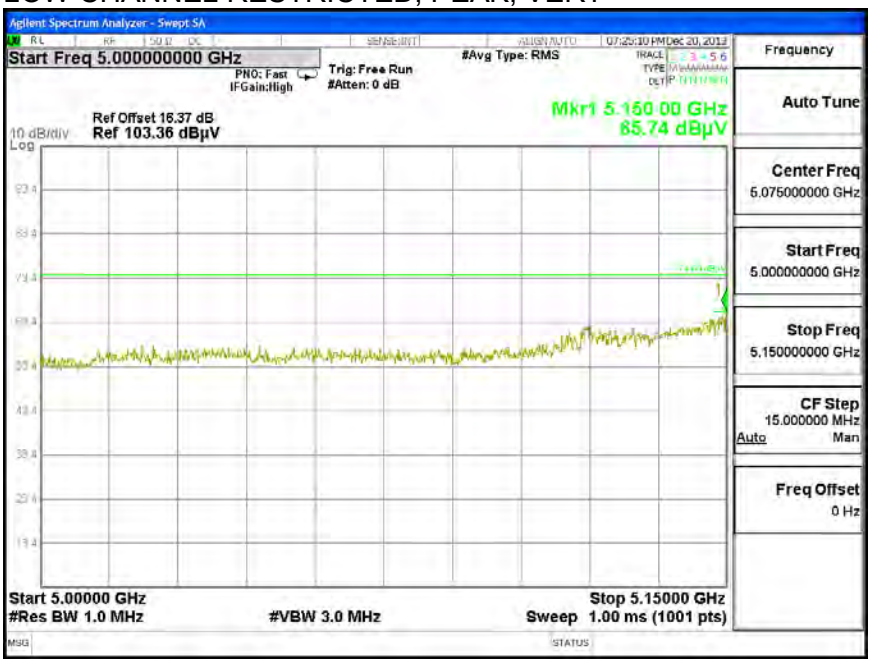
LOW CHANNEL RESTRICTED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 42 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.194	54.84	PK	29	-35.1	0	48.74	-	-	74	-25.26	0-360	101	V
* 1.194	42.06	AD1	28.9	-35.2	0.6	35.76	54	-18.24	-	-	348	109	H
* 2.791	49.41	PK	33.2	-32.5	0	50.11	-	-	74	-23.89	0-360	101	V
* 2.791	31.35	AD1	32.9	-29.2	0.6	35.35	54	-18.65	-	-	122	286	V
* 3.78	47.18	PK	33.7	-32.2	0	48.68	54	-5.32	74	-25.32	0-360	101	V
2.976	50.55	PK	33.2	-31.9	0	51.85	-	-	68.2	-16.35	0-360	101	V
5.789	45.96	PK	35.5	-21.4	0	60.06	-	-	68.2	-8.14	0-360	101	V
6.947	45.86	PK	36	-28.9	0	52.96	-	-	68.2	-15.24	0-360	101	H
6.947	47.93	PK	36	-28.9	0	55.03	-	-	68.2	-13.17	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

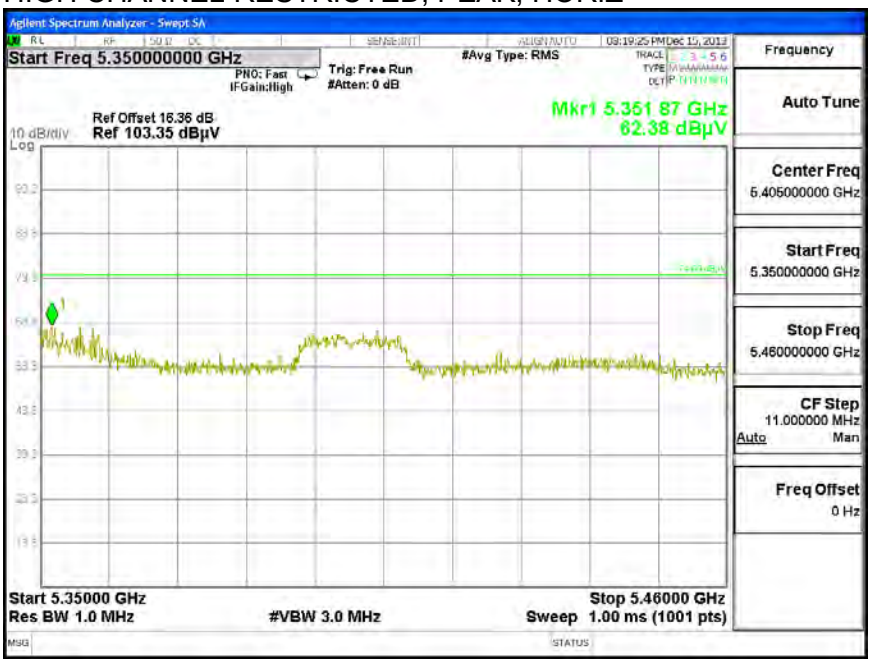
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

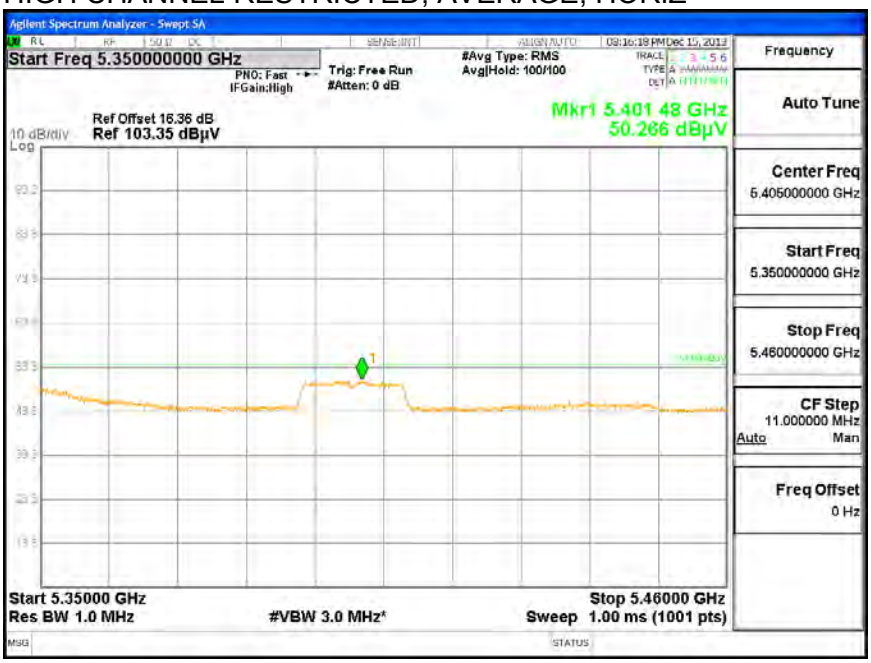
9.2.11. 802.11a 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)

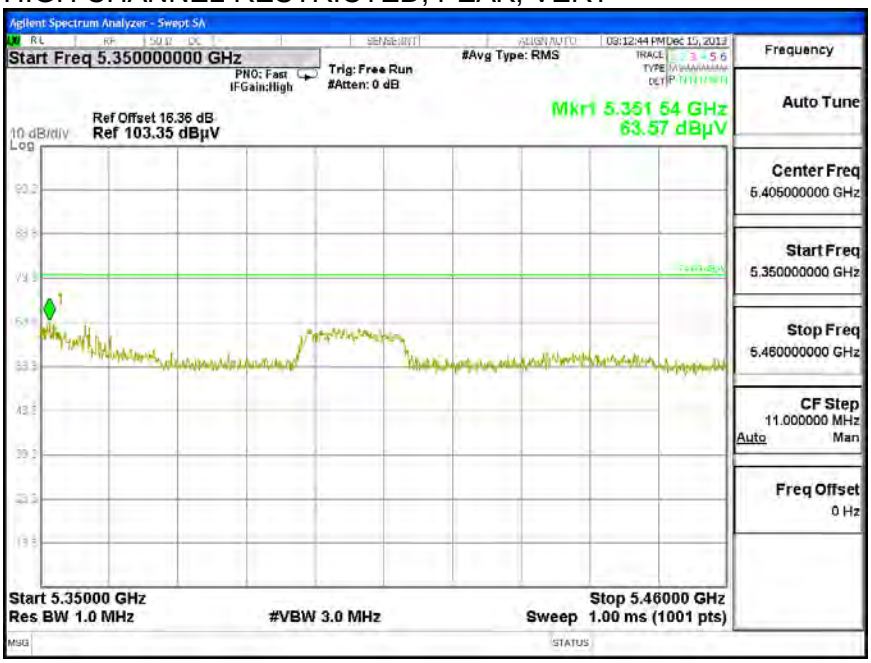
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 52 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.776	49.64	PK	32.9	-29.7	0	52.84	-	-	74	-21.16	0-360	100	V
* 2.776	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
* 4.821	48.13	PK	34.4	-27.7	0	54.83	-	-	74	-19.17	0-360	100	V
* 4.821	39.70	AD1	34.4	-27.6	.2	46.70	54	-7.30	-	-	215	118	V
* 5.102	48.81	PK	34.5	-18.4	0	64.91	-	-	74	-9.09	0-360	100	V
* 5.099	37.44	AD1	34.5	-18.5	.2	53.64	54	-0.36	-	-	223	124	V
* 5.105	44.89	PK	34.5	-18.4	0	60.99	-	-	74	-13.01	0-360	201	H
* 5.105	31.26	AD1	34.5	-18.4	.2	47.56	54	-6.44	-	-	44	376	H
* 5.422	43.58	PK	34.8	-18.3	0	60.08	-	-	74	-13.92	0-360	201	H
* 5.422	32.18	AD1	34.8	-18.3	.2	48.88	54	-5.12	-	-	351	351	H
* 5.418	46.91	PK	34.8	-18.3	0	63.41	-	-	74	-10.59	0-360	100	V
* 5.418	32.43	AD1	34.8	-18.3	.2	49.13	54	-4.87	-	-	67	318	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 60 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.801	49.21	PK	32.9	-30.0	0	52.11	-	-	74	-21.89	0-360	100	V
* 2.801	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
* 4.858	48.57	PK	34.4	-27.8	0	55.17	-	-	74	-18.83	0-360	100	V
* 4.858	36.54	AD1	34.4	-27.8	.2	43.34	54	-10.66	-	-	90	171	V
* 5.134	47.50	PK	34.5	-18.3	0	63.70	-	-	74	-10.30	0-360	100	V
* 5.134	36.67	AD1	34.5	-18.2	.2	53.17	54	-0.83	-	-	233	140	V
* 5.376	44.80	PK	34.8	-18.6	0	61.00	-	-	74	-13.00	0-360	100	H
* 5.376	33.36	AD1	34.8	-18.5	.2	49.86	54	-4.14	-	-	191	223	H
* 5.377	49.39	PK	34.8	-18.5	0	65.69	-	-	74	-8.31	0-360	100	V
* 5.377	37.36	AD1	34.8	-18.5	.2	53.86	54	-0.14	-	-	113	104	V
* 5.454	46.10	PK	34.8	-18.4	0	62.50	-	-	74	-11.50	0-360	201	V
* 5.454	34.99	AD1	34.8	-18.3	.2	51.69	54	-2.31	-	-	81	168	V
* 5.456	42.76	PK	34.8	-18.3	0	59.26	-	-	74	-14.74	0-360	201	H
* 5.456	32.81	AD1	34.8	-18.3	.2	49.51	54	-4.49	-	-	350	345	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

CH 64 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.885	46.57	PK	34.3	-27.1	0	53.77	-	-	74	-20.23	0-360	100	V
* 4.885	36.91	AD1	34.3	-27.4	.2	44.01	54	-9.99	74	-29.99	72	121	V
* 4.874	42.58	PK	34.4	-27.5	0	49.48	-	-	74	-24.52	0-360	100	H
* 4.874	32.48	AD1	34.3	-27.4	.2	39.58	54	-14.42	74	-34.42	80	254	H
7.094	37.04	PK	35.9	-25.7	0	47.24	-	-	68.2	-20.96	0-360	201	H
7.094	38.83	PK	35.9	-25.7	0	49.03	-	-	68.2	-19.17	0-360	100	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.162	44.92	PK	34.6	-18.3	0	61.22	-	-	68.2	-6.98	0-360	201	H
5.241	42.59	PK	34.7	-18.1	0	59.19	-	-	68.2	-9.01	0-360	100	H
* 5.398	42.34	PK	34.8	-18.7	0	58.44	-	-	74	-15.56	0-360	100	H
* 5.398	32.67	AD1	34.8	-18.7	.2	48.97	53.97	-5	74	-25.03	228	358	H
5.482	44.4	PK	34.8	-18.2	0	61	-	-	68.2	-7.2	0-360	100	H
5.162	48.63	PK	34.6	-18.3	0	64.93	-	-	68.2	-3.27	0-360	201	V
5.24	46.24	PK	34.7	-18.1	0	62.84	-	-	68.2	-5.36	0-360	100	V
* 5.401	44.96	PK	34.8	-18.7	0	61.06	-	-	74	-12.94	0-360	100	V
* 5.401	32.76	AD1	34.8	-18.7	.2	49.06	53.97	-4.91	74	-24.94	0	198	V
5.482	48.24	PK	34.8	-18.2	0	64.84	-	-	68.2	-3.36	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

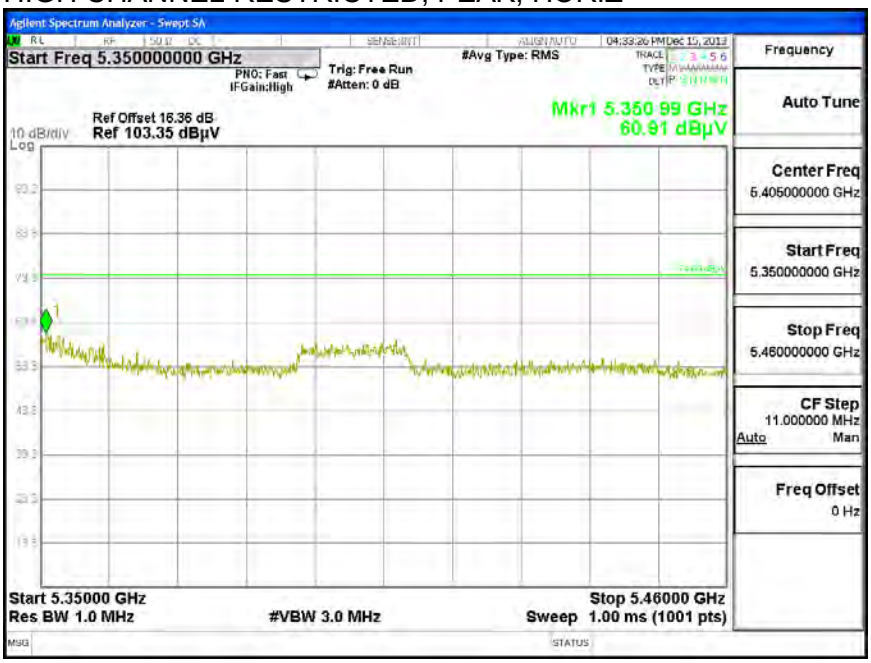
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.12. 802.11n HT20 1TX SISO MODE IN THE 5.3 GHz BAND

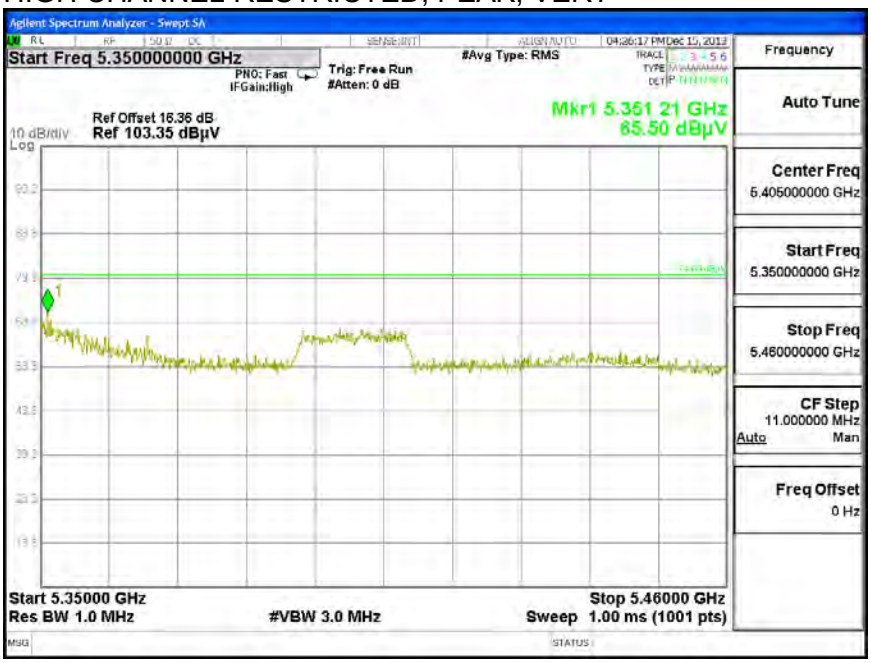
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)

HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ

HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 52 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.785	44.48	PK	32.7	-30.3	0	46.88	54	-7.12	74	-27.12	0-360	200	H
* 2.781	50.25	PK	32.7	-30.3	0	52.65	-	-	74	-21.35	0-360	101	V
* 2.781	32.08	AD1	32.7	-30.3	.2	34.48	54	-19.52	-	-	293	113	V
2.98	46.47	PK	33.1	-30.2	0	49.37	-	-	68.2	-18.83	0-360	101	V
* 4.815	43.57	PK	34.1	-28.4	0	49.27	-	-	74	-24.73	0-360	201	V
* 4.814	29.92	AD1	34.1	-28.4	.2	35.62	54	-18.38	-	-	93	162	V
5.338	47.92	PK	34.5	-19.3	0	63.12	-	-	68.2	-5.08	0-360	101	V
5.345	44.59	PK	34.5	-19.3	0	59.79	-	-	68.2	-8.41	0-360	200	H
7.014	40.23	PK	35.7	-26.2	0	49.73	-	-	68.2	-18.47	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 60 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.776	44.55	PK	32.7	-30.3	0	46.95	54	-7.05	74	-27.05	0-360	199	H
* 2.778	51.06	PK	32.7	-30.3	0	53.46	-	-	74	-20.54	0-360	101	V
* 2.778	32.08	AD1	32.7	-30.3	.2	34.48	54	-19.52	-	-	293	113	V
2.967	42.48	PK	33.1	-30.2	0	45.38	-	-	68.2	-22.82	0-360	199	H
2.982	47.98	PK	33.1	-30.2	0	50.88	-	-	68.2	-17.32	0-360	101	V
* 4.79	43.11	PK	34.1	-28.1	0	49.11	-	-	74	-24.89	0-360	101	V
* 4.79	29.92	AD1	34.1	-28.4	.2	35.62	54	-18.38	-	-	93	162	V
* 4.867	44.62	PK	34	-28.1	0	50.52	54	-3.48	74	-23.48	0-360	201	V
* 5.372	45.2	PK	34.6	-19.4	0	60.4	-	-	74	-13.6	0-360	101	H
* 5.372	33.36	AD1	34.8	-18.5	.2	49.86	54	-4.14	-	-	191	223	H
* 5.373	48.39	PK	34.6	-19.4	0	63.59	-	-	74	-10.41	0-360	200	V
* 5.373	37.36	AD1	34.8	-18.5	.2	53.86	54	-0.14	-	-	113	104	V
7.067	38.19	PK	35.7	-26.2	0	47.69	-	-	68.2	-20.51	0-360	101	H
7.067	39.63	PK	35.7	-26.2	0	49.13	-	-	68.2	-19.07	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 64 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.581	47.95	PK	32.6	-30.3	0	50.25	-	-	68.2	-17.95	0-360	101	H
2.581	44.65	PK	32.6	-30.3	0	46.95	-	-	68.2	-21.25	0-360	101	V
* 2.772	44.99	PK	32.7	-30.3	0	47.39	54	-6.61	74	-26.61	0-360	200	H
* 2.783	49.38	PK	32.7	-30.3	0	51.78	-	-	74	-22.22	0-360	101	V
* 2.783	32.08	AD1	32.7	-30.3	.2	34.48	54	-19.52	-	-	293	113	V
2.999	47.08	PK	33.2	-30.3	0	49.98	-	-	68.2	-18.22	0-360	101	V
* 4.765	43.4	PK	34.1	-27.7	0	49.8	54	-4.2	74	-24.2	0-360	200	H
* 4.778	43.17	PK	34.1	-27.8	0	49.47	54	-4.53	74	-24.53	0-360	101	V
* 4.87	44.86	PK	34	-28	0	50.86	54	-3.14	74	-23.14	0-360	201	V
* 5.402	45.71	PK	34.6	-19.5	0	60.81	-	-	74	-13.19	0-360	101	V
* 5.402	32.76	AD1	34.8	-18.7	.2	49.06	53.97	-4.91	-	-	0	198	V
* 5.407	43.64	PK	34.6	-19.5	0	58.74	-	-	74	-15.26	0-360	101	H
*5.407	32	AD1	34.8	-18	.2	49	54	-5.00	-	-	82	226	H
5.475	50.6	PK	34.7	-19.8	0	65.5	-	-	68.2	-2.7	0-360	200	V
5.479	48.28	PK	34.7	-19.8	0	63.18	-	-	68.2	-5.02	0-360	199	H
7.094	40.09	PK	35.7	-26.5	0	49.29	-	-	68.2	-18.91	0-360	199	H
7.094	39.88	PK	35.7	-26.5	0	49.08	-	-	68.2	-19.12	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

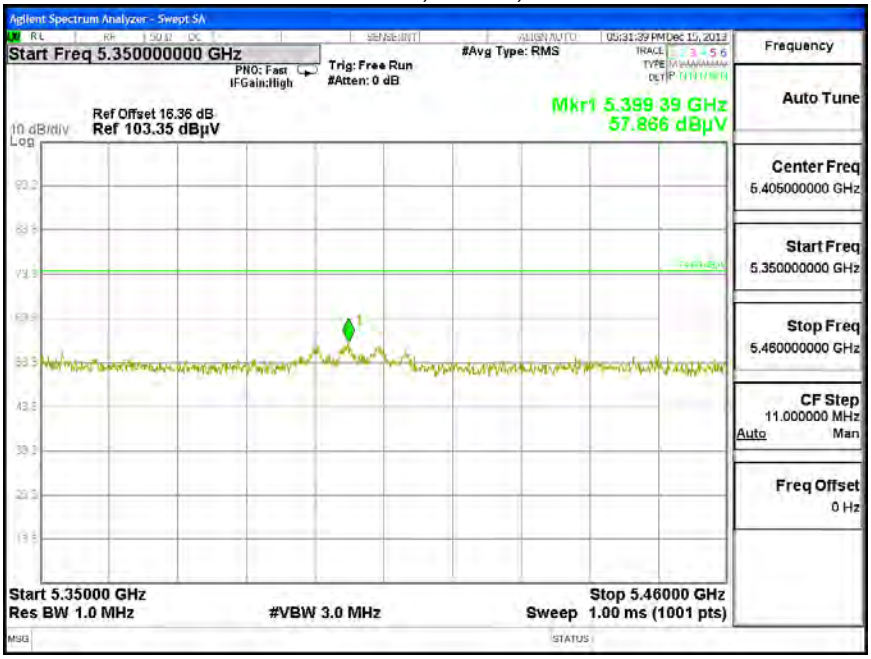
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.13. 802.11n HT20 3TX CDD MODE IN THE 5.3 GHz BAND

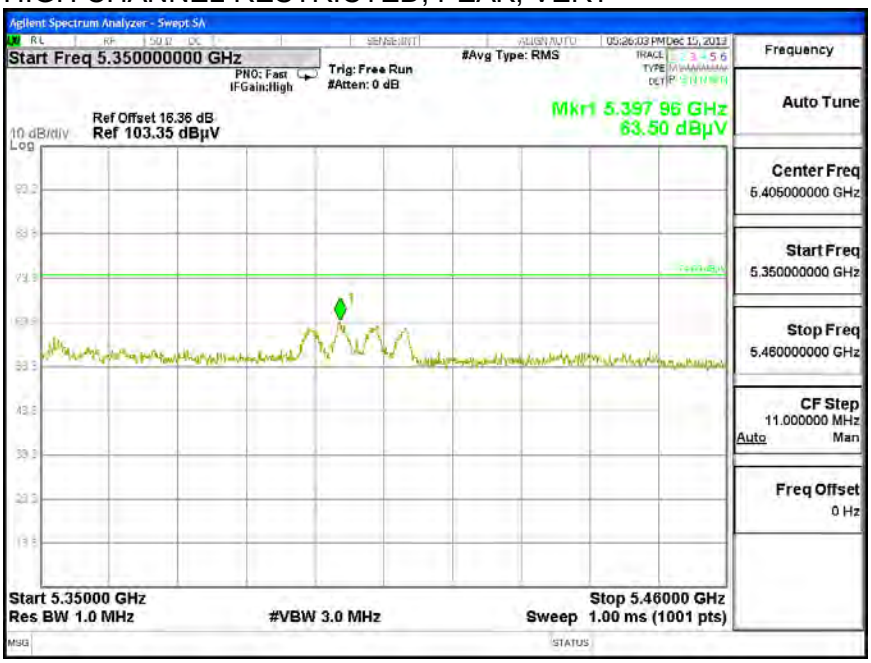
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)

HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ

HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 52 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.096	42.92	PK	34.5	-21.7	0	55.72	-	-	74	-18.28	0-360	101	H
* 5.096	37.13	AD1	34.5	-21.6	.2	50.23	53.97	-3.74	-	-	168	129	H
5.339	43.06	PK	34.7	-21.7	0	56.06	-	-	68.2	-12.14	0-360	101	H
* 5.419	43.41	PK	34.8	-21.4	0	56.81	-	-	74	-17.19	0-360	199	H
* 5.419	36.31	AD1	34.8	-21.4	.2	49.91	53.97	-4.06	-	-	248	112	H
* 5.099	49.53	PK	34.5	-21.7	0	62.33	-	-	74	-11.67	0-360	199	V
* 5.099	40.44	AD1	34.5	-21.7	.2	53.44	53.97	-.53	74	-20.56	197	133	V
5.339	49.19	PK	34.7	-21.7	0	62.19	-	-	68.2	-6.01	0-360	101	V
* 5.422	49.8	PK	34.8	-21.4	0	63.2	-	-	74	-10.8	0-360	101	V
* 5.422	39.18	AD1	34.8	-21.4	.2	52.78	53.97	-1.19	-	-	106	119	V
7.014	43.87	PK	36	-28.7	0	51.17	-	-	68.2	-17.03	0-360	199	H
7.014	47.68	PK	36	-28.7	0	54.98	-	-	68.2	-13.22	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 60 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
*2.333	48.12	PK	32	-30.6	0	49.52	54	-4.48	74	-24.48	54	199	H
2.444	51.61	PK	32.3	-30.6	0	53.31	-	-	68.2	-14.89	-	101	H
2.583	48.47	PK	32.6	-30.2	0	50.87	-	-	68.2	-17.33	-	199	H
2.6	47.14	PK	32.6	-30	0	49.74	-	-	68.2	-18.46	-	101	H
*4.769	44.17	PK	34.1	-27.7	0	50.57	54	-3.43	74	-23.43	54	101	H
*4.857	41.83	PK	34	-28.3	0	47.53	54	-6.47	74	-26.47	54	199	H
7.067	42.05	PK	35.7	-26.2	0	51.55	-	-	68.2	-16.65	-	200	H
*1.199	50.86	PK	29.2	-32.3	0	47.76	54	-6.24	74	-26.24	54	101	V
2.447	49.31	PK	32.3	-30.6	0	51.01	-	-	68.2	-17.19	-	201	V
*2.791	50.52	PK	32.7	-30.2	0	53.02	-	-	74	-20.98	54	101	V
* 2.791	32.08	AD1	32.7	-30.3	.2	34.68	54	-19.52	-	-	293	113	V
2.981	47.63	PK	33.1	-30.2	0	50.53	-	-	68.2	-17.67	-	101	V
7.067	44.52	PK	35.7	-26.2	0	54.02	-	-	68.2	-14.18	-	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 64 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
*2.495	47.78	PK	32.5	-30.4	0	49.88	54	-4.12	68.2	-18.32	0-360	101	H
7.094	43.87	PK	35.7	-26.5	0	53.07	-	-	68.2	-15.13	0-360	200	H
*1.197	51.44	PK	29.2	-32.3	0	48.34	54	-5.66	68.2	-19.86	0-360	201	V
2.583	45.98	PK	32.6	-30.2	0	48.38	-	-	68.2	-19.82	0-360	201	V
*2.784	48.43	PK	32.7	-30.3	0	50.83	54	-3.17	68.2	-17.37	0-360	101	V
2.994	48.36	PK	33.2	-30.3	0	51.26	-	-	68.2	-16.94	0-360	101	V
*3.772	43.78	PK	33.6	-29.6	0	47.78	54	-6.22	68.2	-20.42	0-360	101	V
*4.88	45.99	PK	34	-27.8	0	52.19	-	-	68.2	-16.01	0-360	101	V
* 4.88	29.92	AD1	34.1	-28.4	0.2	35.62	54	-18.38	-	-	93	162	V
7.094	45.39	PK	35.7	-26.5	0	54.59	-	-	68.2	-13.61	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

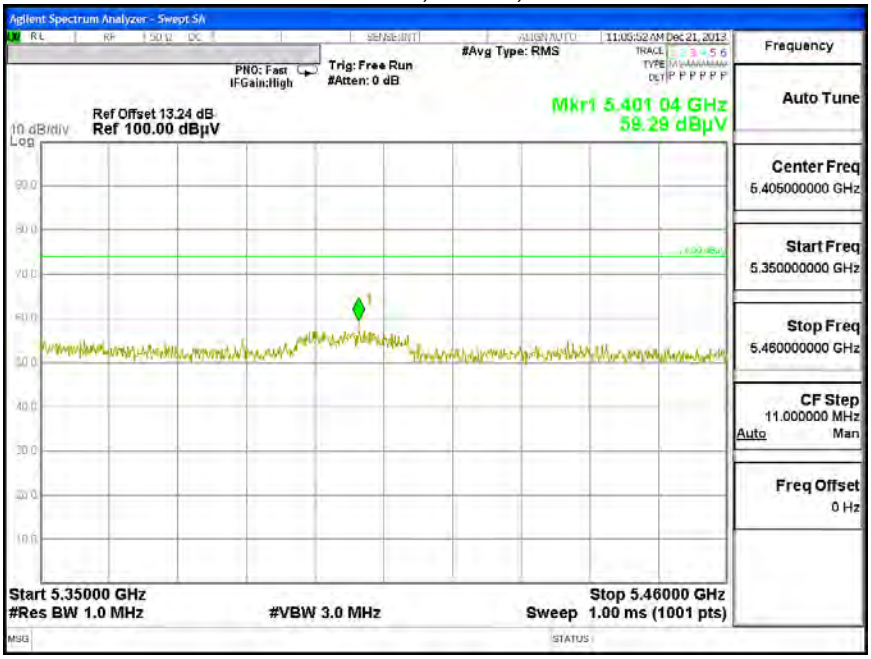
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

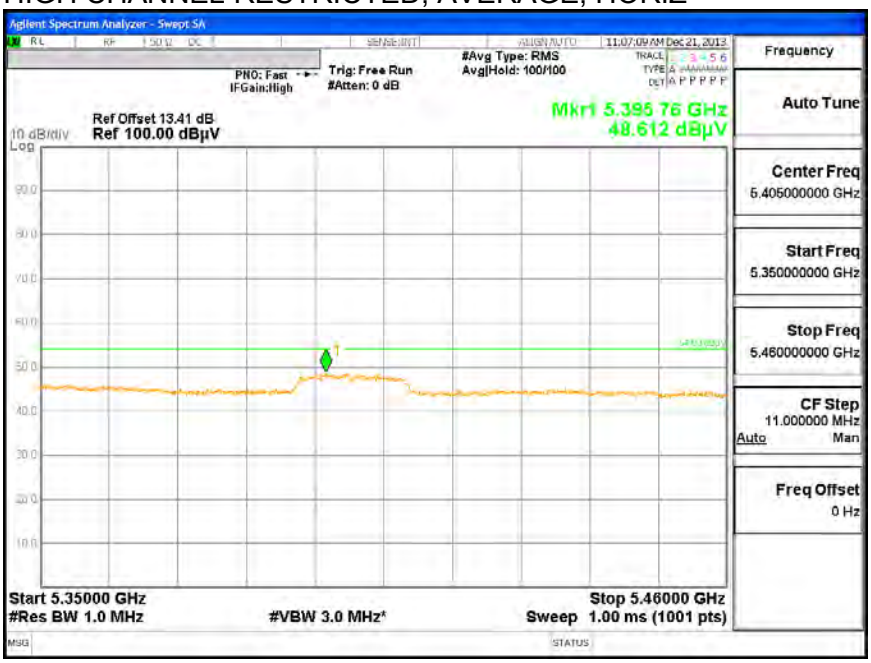
9.2.14. 802.11n HT20 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)

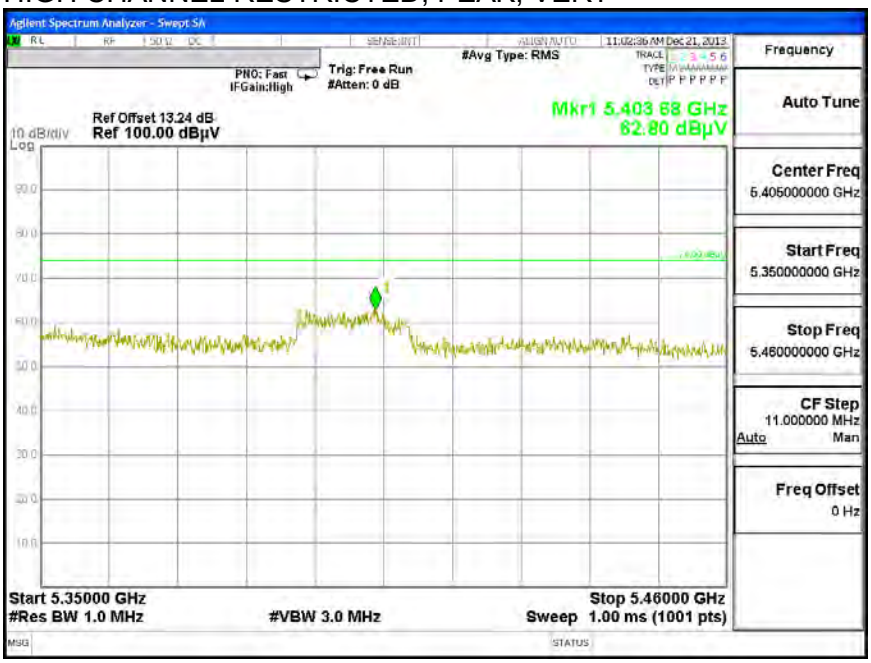
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



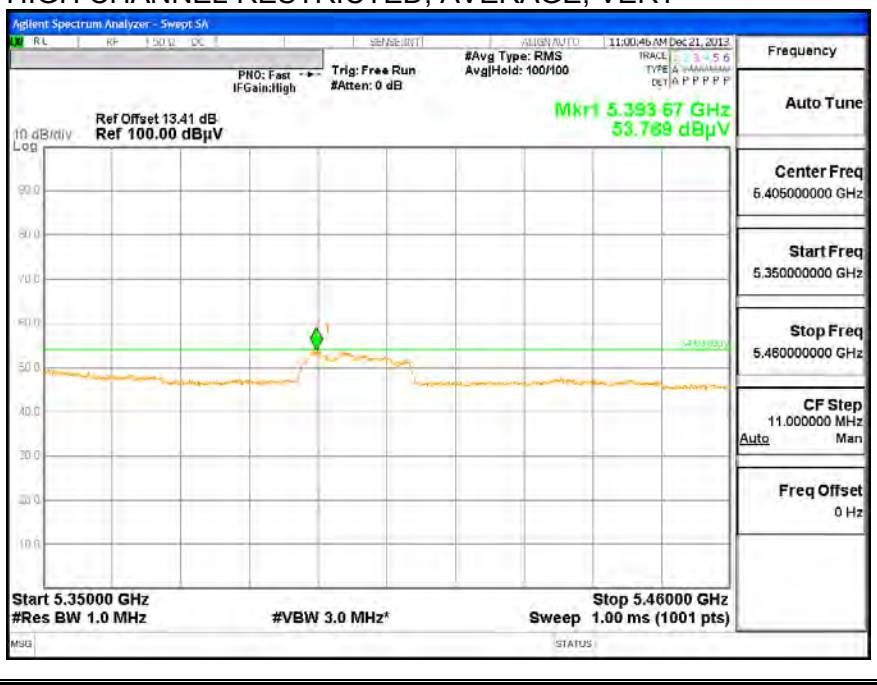
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 52 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.446	51.91	PK	32.3	-30.6	0	53.61		-	68.2	-14.59	0-360	101	V
2.586	49.14	PK	32.6	-30.2	0	51.54	-	-	68.2	-16.66	0-360	101	H
* 2.792	49.55	PK	32.7	-30.2	0	52.05	-	-	74	-21.95	0-360	101	V
* 2.792	32.08	AD1	32.7	-30.3	.2	34.68	54	-19.32	-	-	293	113	V
2.989	48.15	PK	33.2	-30.3	0	51.05	-	-	68.2	-17.15	0-360	101	V
* 5.418	44.89	PK	34.6	-19.6	0	59.89	-	-	74	-14.11	0-360	101	H
* 5.418	36.46	AD1	34.6	-19.7	.2	51.56	54	-2.44	-	-	164	123	H
* 5.423	49.25	PK	34.6	-19.7	0	64.15	-	-	74	-9.85	0-360	101	V
* 5.422	38.62	AD1	34.6	-19.7	.2	53.72	54	-0.28	-	-	29	138	V
7.014	42.01	PK	35.7	-26.2	0	51.51	-	-	68.2	-16.69	0-360	200	H
7.014	44.36	PK	35.7	-26.2	0	53.86	-	-	68.2	-14.34	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 60 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.446	51.39	PK	32.3	-30.6	0	53.09	-	-	68.2	-15.11	0-360	201	V
2.606	49.49	PK	32.6	-29.9	0	52.19	-	-	68.2	-16.01	0-360	101	H
* 2.8	49.66	PK	32.7	-30.1	0	52.26	-	-	74	-21.74	0-360	101	V
* 2.8	32.08	AD1	32.7	-30.3	0.2	34.48	54	-19.52	-	-	293	113	V
2.971	49.29	PK	33.1	-30.2	0	52.19	-	-	68.2	-16.01	0-360	101	V
* 4.765	44.06	PK	34.1	-27.7	0	50.46	54	-3.54	74	-23.54	0-360	101	H
5.464	44.52	PK	34.7	-19.8	0	59.42	-	-	68.2	-8.78	0-360	101	H
5.464	49.05	PK	34.7	-19.8	0	63.95	-	-	68.2	-4.25	0-360	101	V
7.067	43.47	PK	35.7	-26.2	0	52.97	-	-	68.2	-15.23	0-360	101	H
7.067	45.78	PK	35.7	-26.2	0	55.28	-	-	68.2	-12.92	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 64 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.799	45.79	PK	32.7	-30.1	0	48.39	54	-5.61	74	-25.61	0-360	98	H
* 2.799	50.82	PK	32.7	-30.1	0	53.42	-	-	74	-20.58	0-360	101	V
* 2.799	32.08	AD1	32.7	-30.3	.2	34.68	54	-19.32	-	-	293	113	V
2.993	45.85	PK	33.2	-30.3	0	48.75	-	-	68.2	-19.45	0-360	101	V
* 4.877	46.57	PK	34	-27.9	0	52.67	-	-	74	-21.33	0-360	101	V
* 4.877	36.91	AD1	34.3	-27.4	.2	44.01	54	-9.99	-	-	72	121	V
5.474	47.37	PK	34.7	-19.8	0	62.27	-	-	68.2	-5.93	0-360	100	H
5.487	52.82	PK	34.7	-19.7	0	67.82	-	-	68.2	-0.38	0-360	101	V
7.094	42.33	PK	35.7	-26.5	0	51.53	-	-	68.2	-16.67	0-360	101	H
7.094	45.52	PK	35.7	-26.5	0	54.72	-	-	68.2	-13.48	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

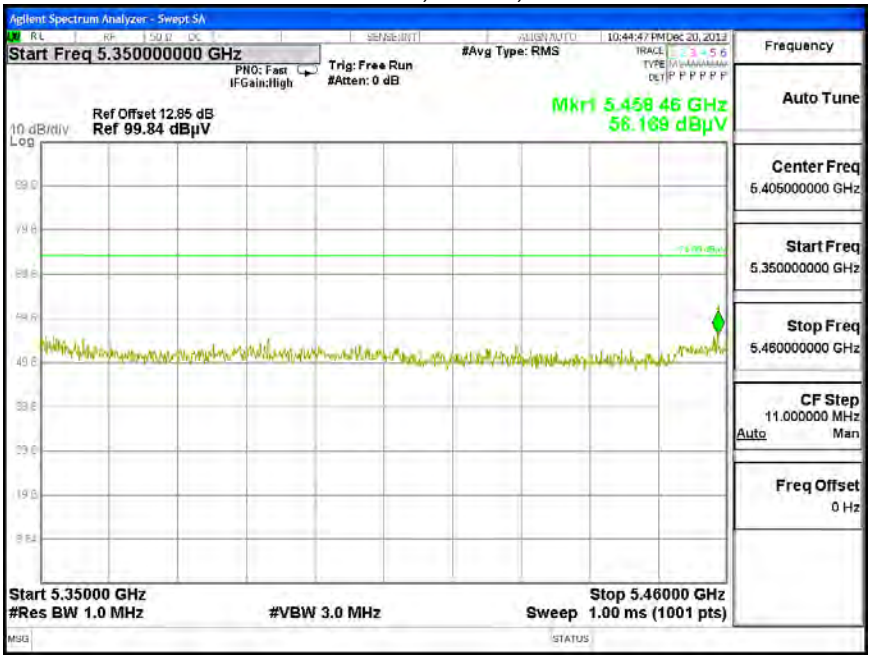
Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

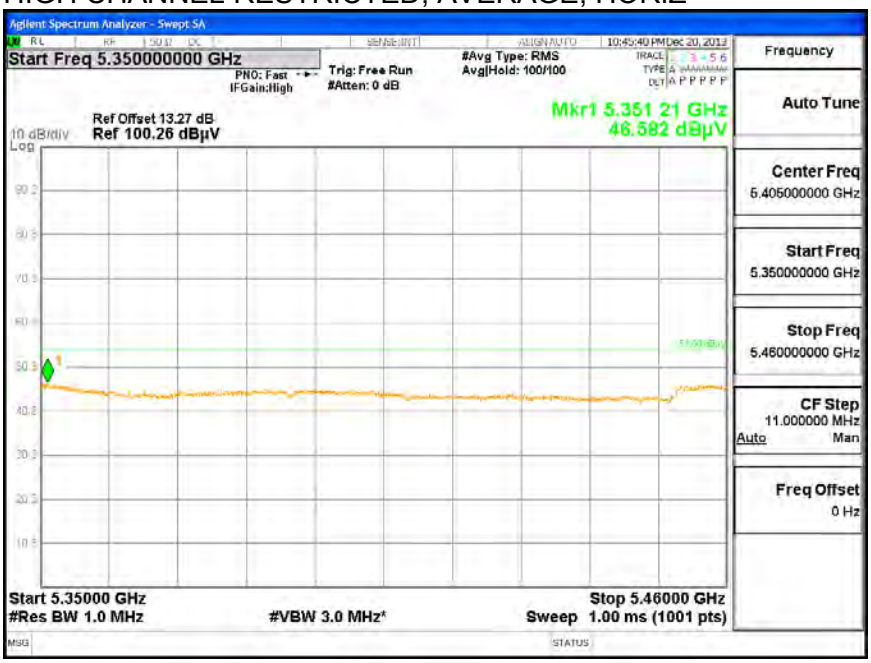
9.2.15. 802.11n HT40 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)

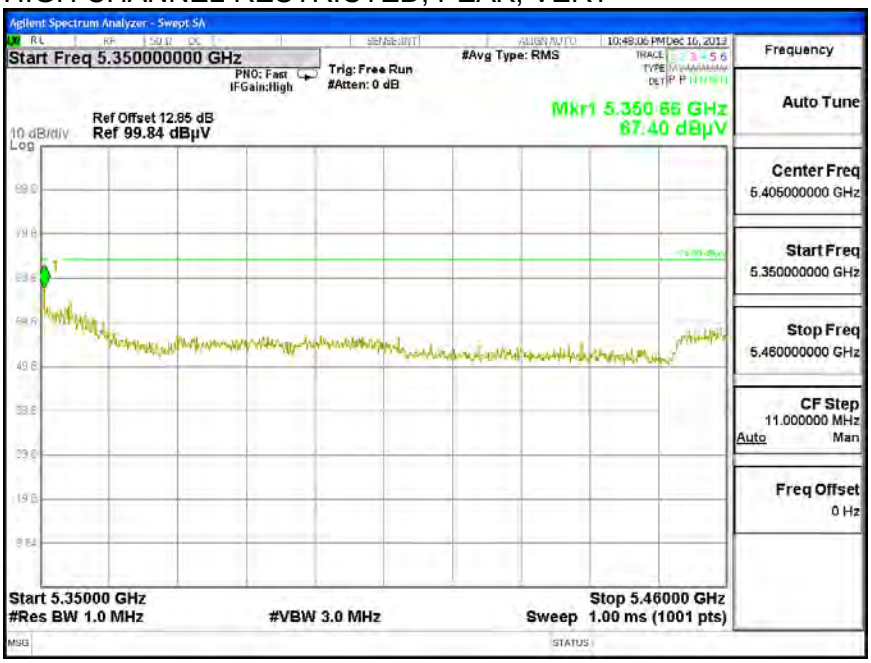
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



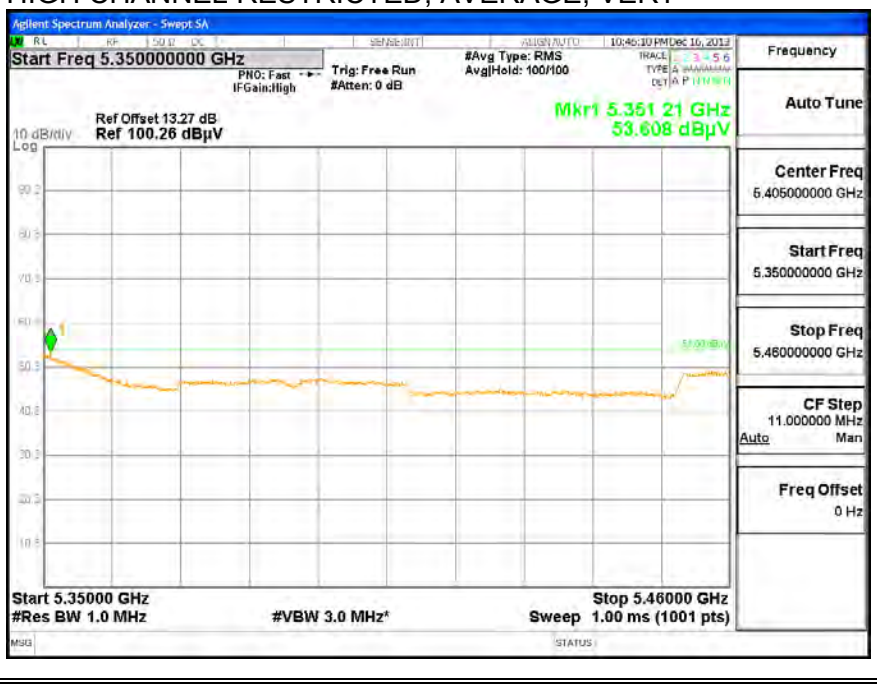
HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 54 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.295	45.46	PK	32.4	-30.5	0	47.36	-	-	74	-26.64	0-360	100	H
2.445	48.03	PK	32.4	-29.8	0	50.63	-	-	68.2	-17.57	0-360	201	H
2.59	48.17	PK	32.6	-30.3	0	50.47	-	-	68.2	-17.73	0-360	100	H
* 2.785	43.28	PK	32.9	-29.1	0	47.08	-	-	74	-26.92	0-360	201	H
2.979	42.1	PK	33.1	-29.1	0	46.1	-	-	68.2	-22.1	0-360	201	H
2.585	45.47	PK	32.6	-30.3	0	47.77	-	-	68.2	-20.43	0-360	100	V
* 2.787	49.39	PK	32.9	-29.1	0	53.19	-	-	74	-20.81	0-360	100	V
* 2.787	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.927	45.72	PK	33	-29.9	0	48.82	-	-	68.2	-19.38	0-360	100	V
2.97	46.87	PK	33.1	-29.3	0	50.67	-	-	68.2	-17.53	0-360	100	V
* 4.791	41.02	PK	34.4	-26.9	0	48.52	-	-	74	-25.48	0-360	100	V
* 4.791	30.8	AD1	34.4	-27	.4	38.6	54	-15.4	-	-	12	104	V
* 5.065	45.21	PK	34.4	-25.1	0	54.51	-	-	74	-19.49	0-360	100	V
* 5.063	41.86	AD1	34.4	-25.7	.4	50.96	54	-3.04	-	-	236	106	V
* 5.115	45.89	PK1	34.5	-18	0	62.39	-	-	74	-11.61	234	110	V
* 5.115	36.66	AD1	34.5	-18.1	.4	53.46	54	-.54	-	-	234	110	V
*5.353	43.76	PK1	34.7	-18	0	60.46	-	-	74	-13.54	202	136	V
*5.353	34.67	AD1	34.7	-17.8	.4	51.97	54	-2.03	-	-	202	136	V
* 5.436	41.29	PK1	34.8	-18	0	58.09	-	-	74	-15.91	103	184	V
* 5.436	32.24	AD1	34.8	-18	.4	49.44	54	-4.56	-	-	103	184	V
7.027	40.05	PK	35.9	-26	0	49.95	-	-	68.2	-18.25	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

PK1 - KDB 789033 Method: Peak

AD1 - KDB 789033 Method: AD Primary Power Average

CH 62 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.435	52.82	PK	32.4	-30.1	0	55.12	-	-	68.2	-13.08	0-360	201	H
2.596	44.8	PK	32.6	-30.2	0	47.2	-	-	68.2	-21.00	0-360	100	H
* 2.797	43.31	PK	32.9	-29.2	0	47.01	54	-6.99	74	-26.99	0-360	100	H
2.6	46.4	PK	32.6	-30.2	0	48.8	-	-	68.2	-19.40	0-360	100	V
* 2.791	49.36	PK	32.9	-29.1	0	53.16	-	-	74	-20.84	0-360	100	V
* 2.791	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.976	45.78	PK	33.1	-29.1	0	49.78	-	-	68.2	-18.42	0-360	100	V
* 3.787	42.56	PK	33.8	-28.8	0	47.56	54	-6.44	74	-26.44	0-360	100	V
* 5.144	42.71	PK	34.5	-18.2	0	59.01	-	-	74	-14.99	0-360	100	V
* 5.144	33.62	AD1	34.5	-18.2	.4	50.32	54	-3.68	-	-	112	396	V
*5.46	41.18	PK	34.8	-17.8	0	58.18	-	-	74	-15.82	0-360	100	V
* 5.46	30.8	AD1	34.8	-17.9	.4	48.1	54	-5.9	-	-	263	184	V
7.08	41.55	PK	35.9	-25.6	0	51.85	-	-	68.2	-16.62	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

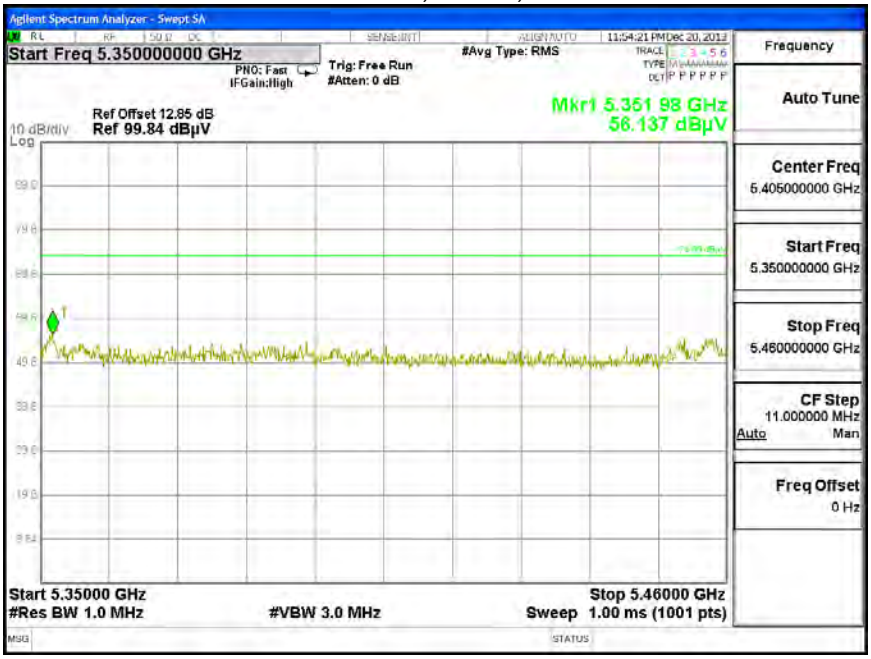
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

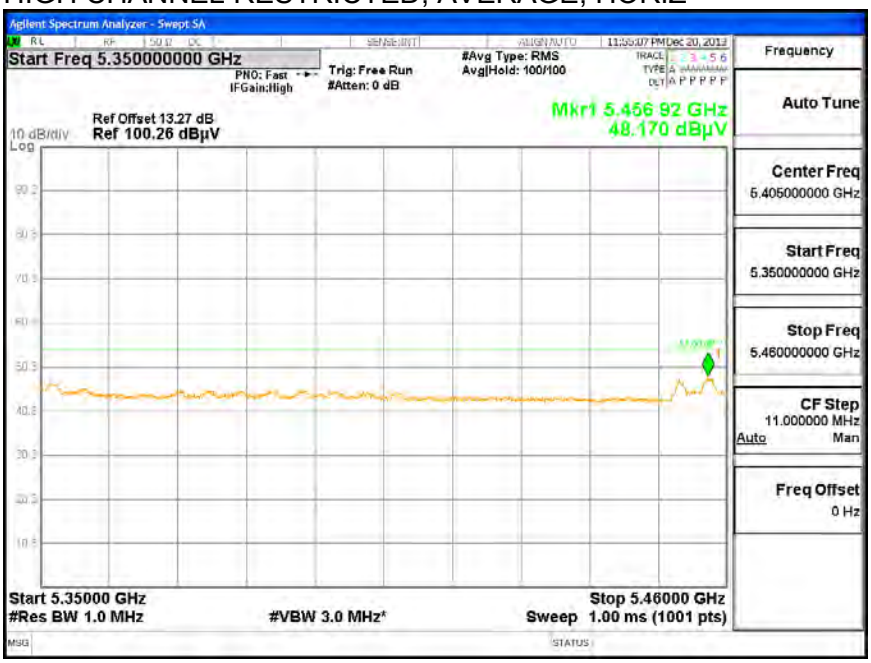
9.2.16. 802.11n HT40 3TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)

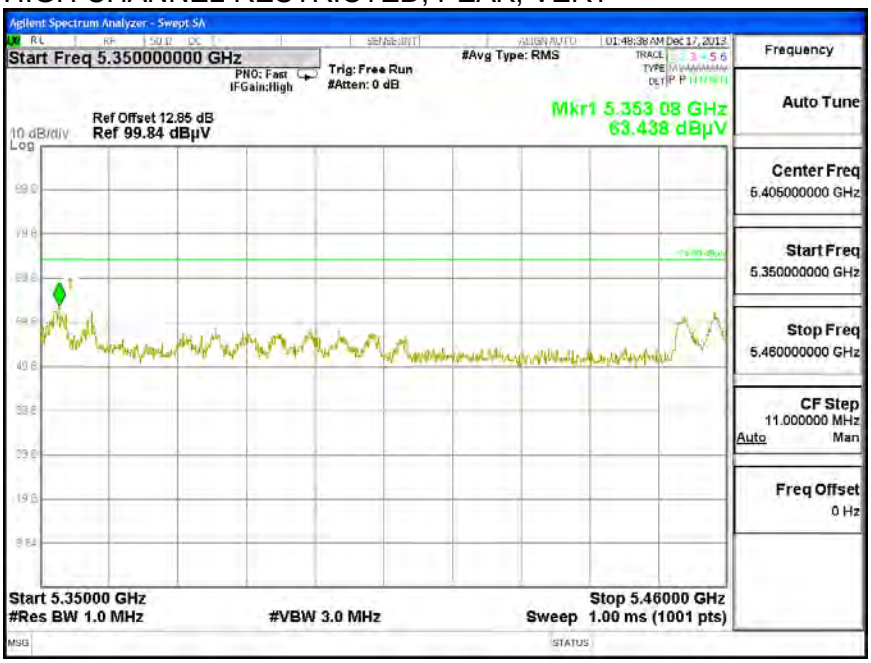
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 54 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.027	44.1	PK	35.9	-26.8	0	53.2	-	-	68.2	-15	0-360	100	V
7.028	41.51	PK	35.9	-26.8	0	50.61	-	-	68.2	-17.59	0-360	100	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.113	42.76	PK	34.5	-18.3	0	58.96	-	-	74	-15.04	0-360	100	H
* 5.113	35.59	AD1	34.5	-18.3	0.1	51.79	53.97	-2.18	-	-	111	273	H
* 5.115	46.37	PK	34.5	-18.3	0	62.57	-	-	74	-11.43	0-360	100	V
* 5.115	36.3	AD1	34.5	-18.3	0.1	52.5	53.97	-1.47	-	-	93	116	V
* 5.357	41.19	PK	34.7	-18.7	0	57.19	-	-	74	-16.81	0-360	201	H
* 5.356	36.64	AD1	34.7	-18.7	0.1	52.64	53.97	-1.33	-	-	169	144	H
* 5.357	47.25	PK	34.7	-18.7	0	63.25	-	-	74	-10.75	0-360	100	V
* 5.357	35.81	AD1	34.7	-18.7	0.1	51.81	53.97	-2.16	-	-	133	360	V
* 5.434	45.9	PK	34.8	-18.4	0	62.3	-	-	74	-11.7	0-360	100	V
* 5.434	36.33	AD1	34.8	-18.4	0.1	52.73	53.97	-1.24	-	-	225	181	V
* 5.438	41.29	PK	34.8	-18.5	0	57.59	-	-	74	-16.41	0-360	100	H
* 5.438	33.95	AD1	34.8	-18.4	0.1	50.35	53.97	-3.62	-	-	131	161	H
5.186	43.95	PK	34.6	-18.2	0	60.35	-	-	68.2	-7.85	0-360	100	H
5.196	47.09	PK	34.6	-18.1	0	63.59	-	-	68.2	-4.61	0-360	100	V
5.709	41.15	PK	35.2	-18.1	0	58.25	-	-	68.2	-9.95	0-360	201	H
5.71	43.33	PK	35.2	-18.1	0	60.43	-	-	68.2	-7.77	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 62 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/Fltr/Pad	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.192	48.5	PK	28.4	-32.6	0	44.3	54	-9.7	74	-29.7	0-360	100	H
* 1.192	51.2	PK	28.4	-32.6	0	47	54	-7	74	-27	0-360	201	V
2.501	49.36	PK	32.4	-30.3	0	51.46	-	-	68.2	-16.74	0-360	100	H
* 2.781	48.79	PK	32.9	-29.8	0	51.89	-	-	74	-22.11	0-360	100	V
* 2.781	35.52	AD1	32.9	-29.8	0.1	38.62	54	-15.35	-	-	295	174	V
* 2.789	42.76	PK	32.9	-29.9	0	45.76	54	-15.35	74	-28.24	0-360	100	H
2.992	41.01	PK	33.1	-29.3	0	44.81	-	-	68.2	-23.39	0-360	100	H
2.993	47.1	PK	33.1	-29.3	0	50.9	-	-	68.2	-17.3	0-360	100	V
* 4.802	43.16	PK	34.4	-27.4	0	50.16	54	-15.35	74	-23.84	0-360	201	H
* 4.788	43.72	PK	34.4	-27.2	0	50.92	-	-	74	-23.08	0-360	100	V
* 4.788	30.79	AD1	34.4	-27.2	0.1	37.99	53.97	-15.98	-	-	-	334	V
6.195	43.97	PK	35.9	-26.5	0	53.37	-	-	68.2	-14.83	0-360	100	V
7.08	44.09	PK	35.9	-26.3	0	53.69	-	-	68.2	-14.51	0-360	100	V
7.081	41.14	PK	35.9	-26.2	0	50.84	-	-	68.2	-17.36	0-360	201	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

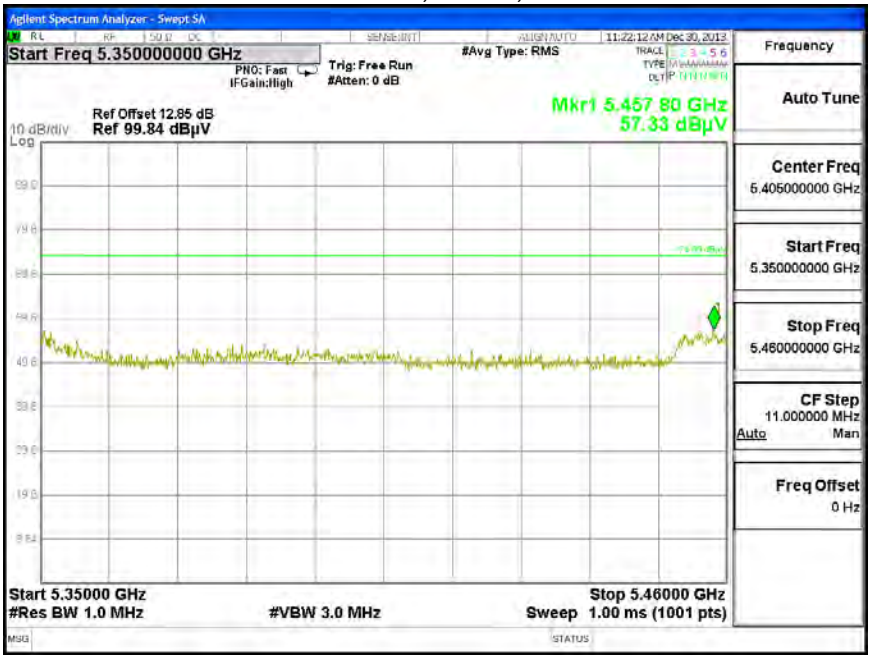
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

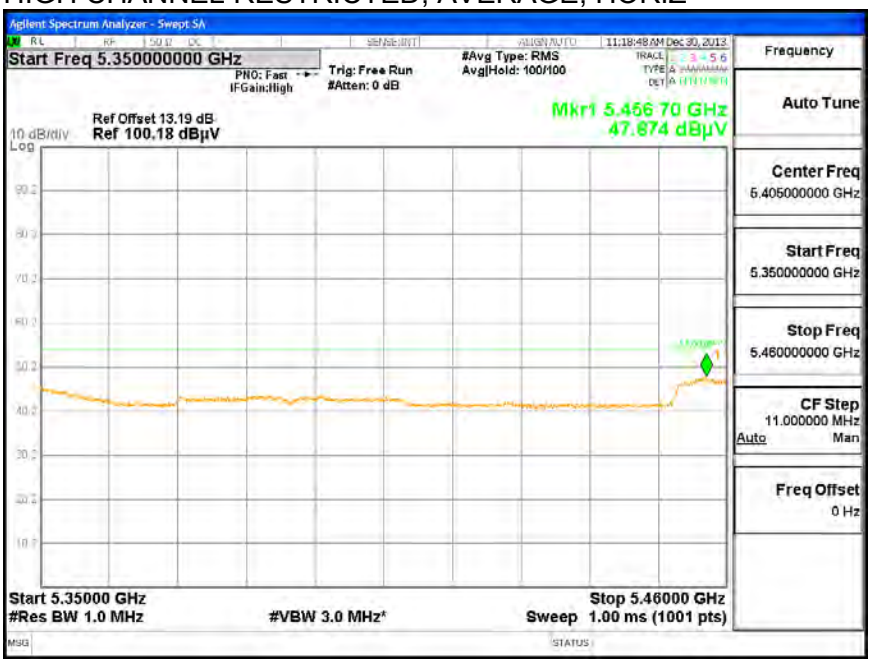
9.2.17. 802.11n HT40 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)

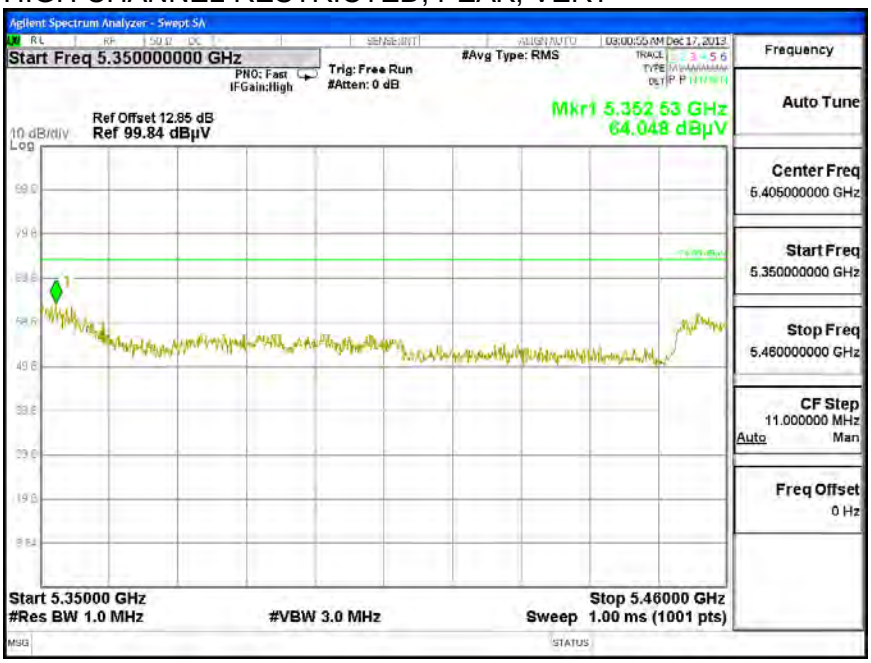
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 54 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.113	46.54	PK1	34.5	-18.0	0	63.04	-	-	74	-10.96	102	177	V
* 5.113	37.11	AD1	34.5	-18.0	.3	53.91	54	-0.09	-	-	102	177	V
* 5.113	43.24	PK	34.5	-18.0	0	59.74	-	-	74	-14.26	0-360	100	H
*5.113	34.66	AD1	34.5	-18	.3	51.46	54	-2.54	-	-	308	106	H
* 5.422	45.42	PK1	34.8	-18.0	0	62.22	-	-	74	-11.78	156	124	V
* 5.422	35.32	AD1	34.8	-18.0	.3	52.42	54	-1.58	-	-	156	124	V
* 5.436	42.19	PK	34.8	-18.0	0	58.99	-	-	74	-15.01	0-360	100	H
*5.437	32	AD1	34.8	-18	.3	48.9	54	-5.07	-	-	82	226	H
5.710	42.49	PK	35.2	-17.4	0	60.29	-	-	68.2	-7.91	0-360	100	V
7.027	43.98	PK	35.9	-26.0	0	53.88	-	-	68.2	-14.32	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 62 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.433	52.96	PK	32.4	-30.1	0	55.26	-	-	68.2	-12.94	0-360	100	H
2.501	50.84	PK	32.4	-30.3	0	52.94	-	-	68.2	-15.26	0-360	201	H
2.59	49.11	PK	32.6	-30.3	0	51.41	-	-	68.2	-16.79	0-360	100	H
* 2.794	43.25	PK	32.9	-29.2	0	46.95	54	-7.05	74	-27.05	0-360	100	H
* 4.782	41.45	PK	34.4	-27	0	48.85	-	-	74	-25.15	0-360	100	H
* 4.782	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
2.501	48.42	PK	32.4	-30.3	0	50.52	-	-	68.2	-17.68	0-360	201	V
2.625	47.66	PK	32.7	-30.4	0	49.96	-	-	68.2	-18.24	0-360	201	V
* 2.79	49.5	PK	32.9	-29.1	0	53.3	-	-	74	-20.7	0-360	100	V
* 2.79	36.92	AD1	32.9	-29.8	.3	40.22	54	-13.77	-	-	316	136	V
2.985	47.43	PK	33.1	-29.1	0	51.43	-	-	68.2	-16.77	0-360	100	V
* 4.768	42.25	PK	34.4	-27.1	0	49.55	-	-	74	-24.45	0-360	100	V
* 4.768	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
5.162	45.56	PK	34.6	-18.1	0	62.06	-	-	68.2	-6.14	0-360	100	V
5.482	45.21	PK	34.8	-17.9	0	62.11	-	-	68.2	-6.09	0-360	100	V
5.753	42.78	PK	35.3	-17.7	0	60.38	-	-	68.2	-7.82	0-360	100	V
6.195	42.88	PK	35.9	-26.3	0	52.48	-	-	68.2	-15.72	0-360	100	V
7.08	43.31	PK	35.9	-25.6	0	53.61	-	-	68.2	-14.59	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

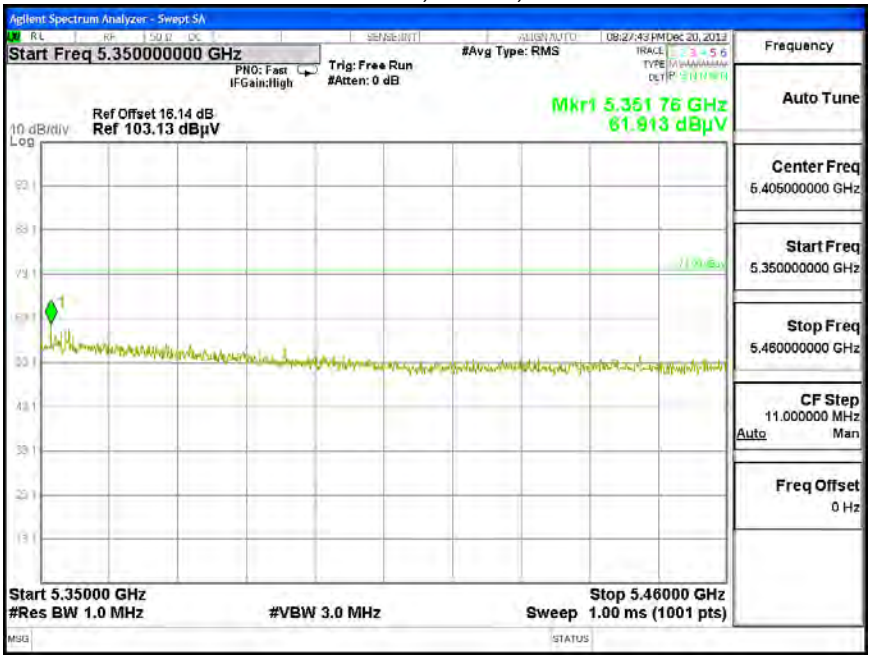
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

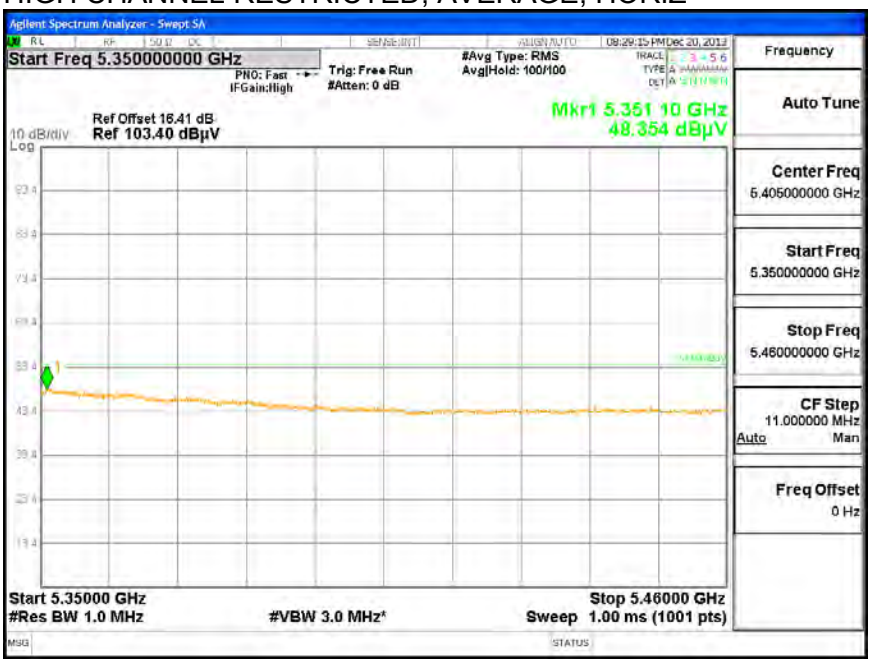
9.2.18. 802.11ac 80MHz 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

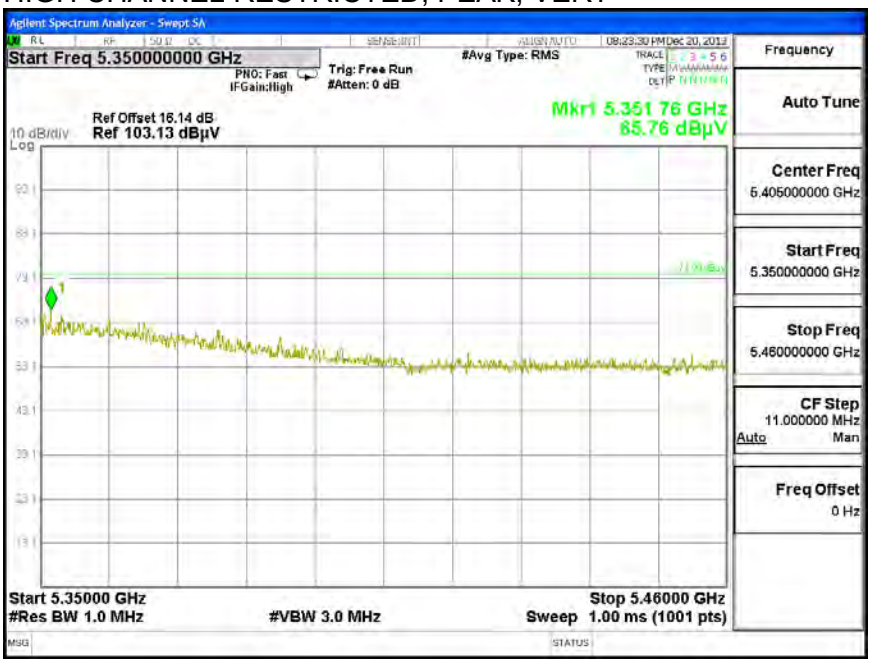
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.192	54.19	PK	28.9	-35.2	0	47.89	54	-6.11	74	-26.11	0-360	200	V
* 2.783	49.91	PK	33.2	-32.5	0	50.61	54	-3.39	74	-23.39	0-360	200	V
2.993	49.19	PK	33.2	-32.1	0	50.29	-	-	68.2	-17.91	0-360	101	V
* 4.773	45.9	PK	34.4	-30	0	50.3	-	-	74	-23.7	0-360	199	H
* 4.773	30.38	AD1	34.4	-30	0.3	34.78	53.97	-19.19	-	-	175	131	H
7.054	40.13	PK	36	-28.3	0	47.83	-	-	68.2	-20.37	0-360	199	H
7.054	42.94	PK	36	-28.3	0	50.64	-	-	68.2	-17.56	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

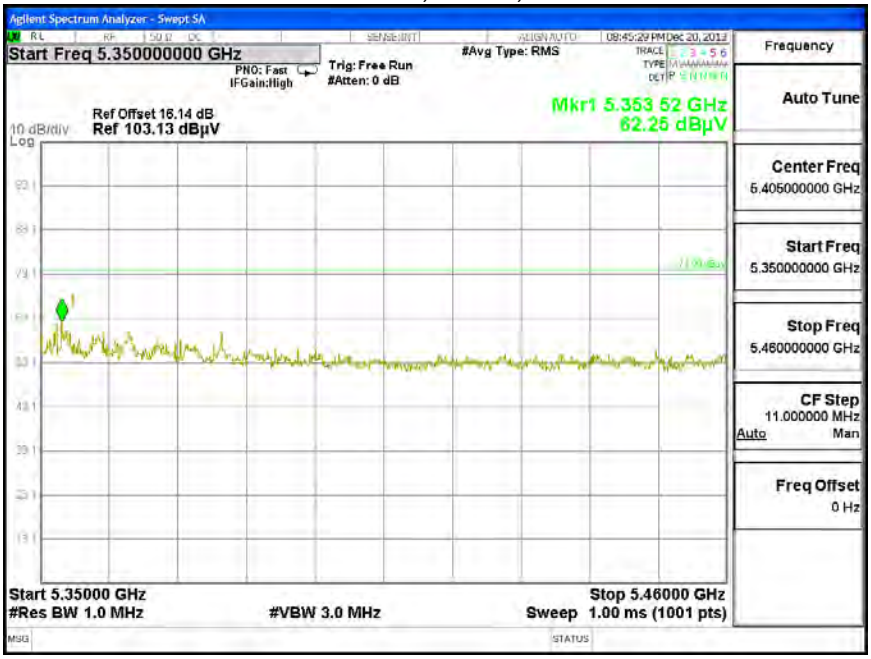
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

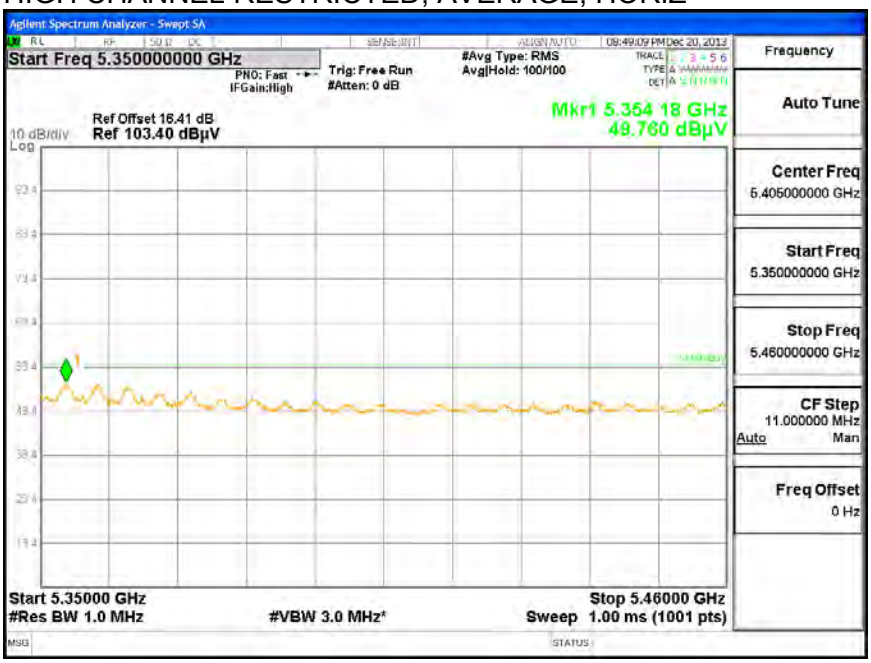
9.2.19. 802.11ac 80MHz 3TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

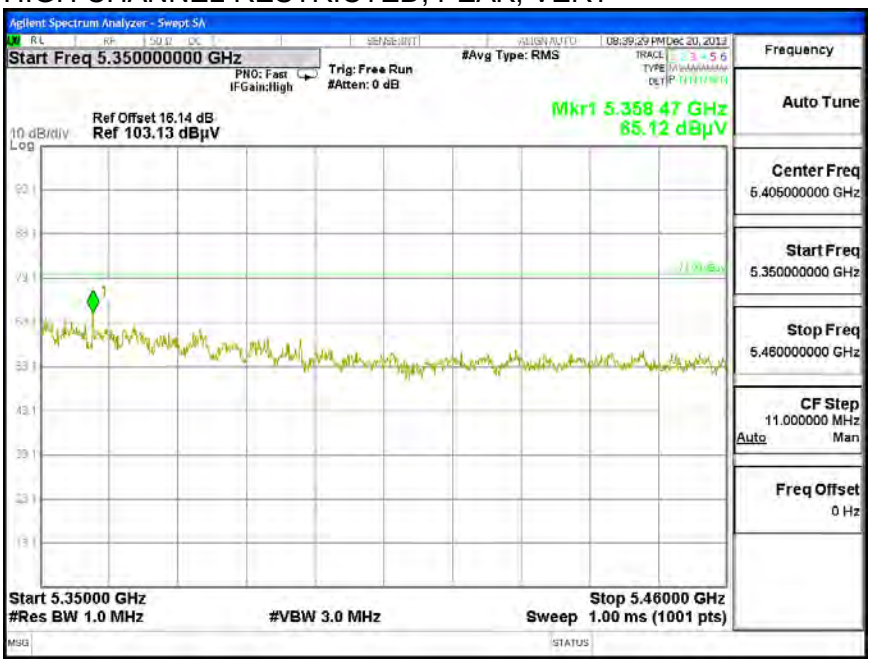
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.193	51.55	PK	29.1	-32.3	0	48.35	54	-5.65	74	-25.65	0-360	101	V
2.599	47.03	PK	32.6	-30	0	49.63	-	-	68.2	-18.57	0-360	101	V
2.601	46.61	PK	32.6	-29.9	0	49.31	-	-	68.2	-18.89	0-360	101	H
* 2.777	50.08	PK	32.7	-30.3	0	52.48	-	-	74	-21.52	0-360	101	V
* 2.777	35.52	AD1	32.9	-29.8	0.3	38.62	54	-15.35	-	-	295	174	V
2.981	46.25	PK	33.1	-30.2	0	49.15	-	-	68.2	-19.05	0-360	101	V
5.879	45	PK	35.2	-18.9	0	61.3	-	-	68.2	-6.9	0-360	200	V
7.053	44.5	PK	35.7	-26.4	0	53.8	-	-	68.2	-14.4	0-360	101	V
7.054	43.17	PK	35.7	-26.4	0	52.47	-	-	68.2	-15.73	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

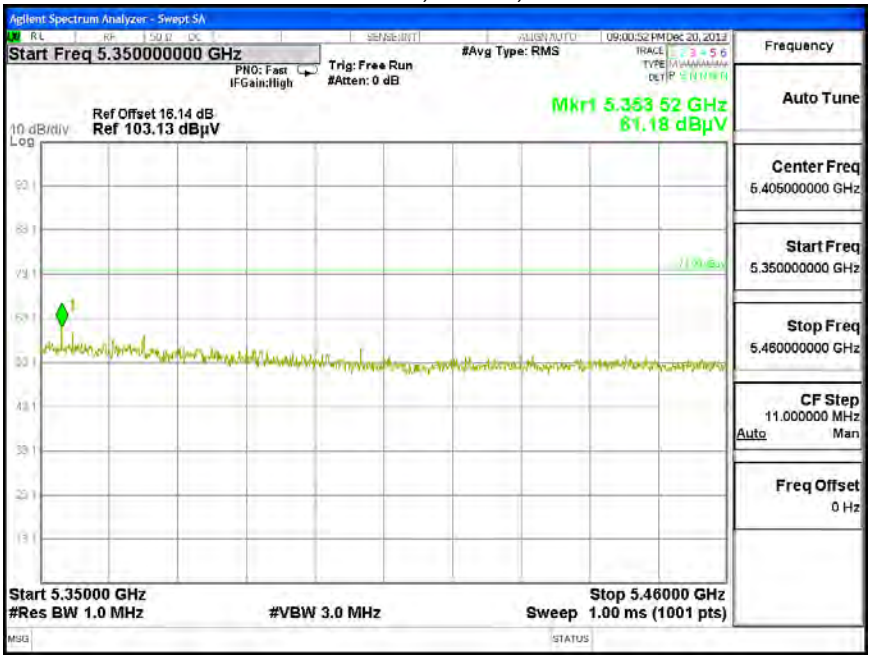
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

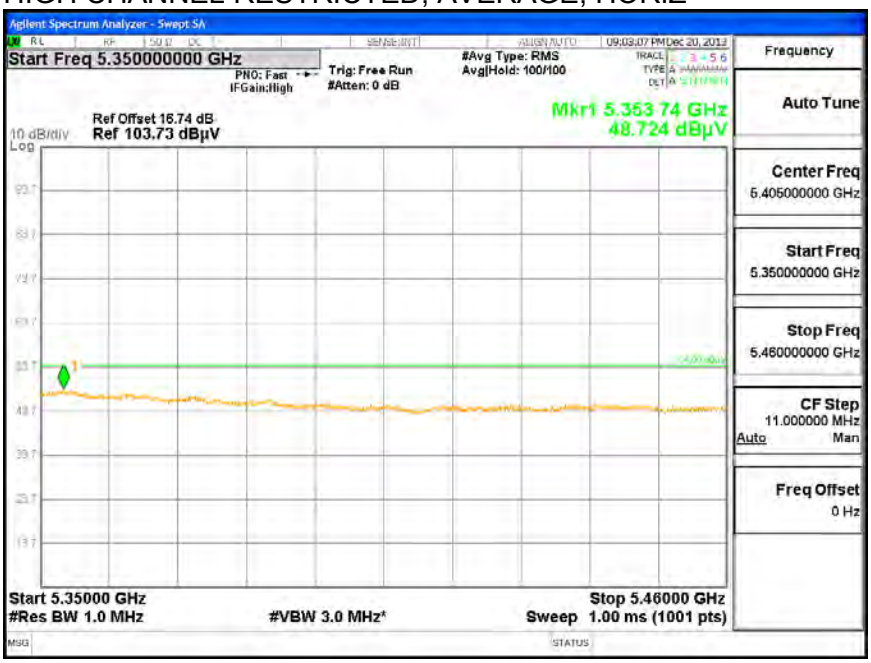
9.2.20. 802.11ac 80MHz 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

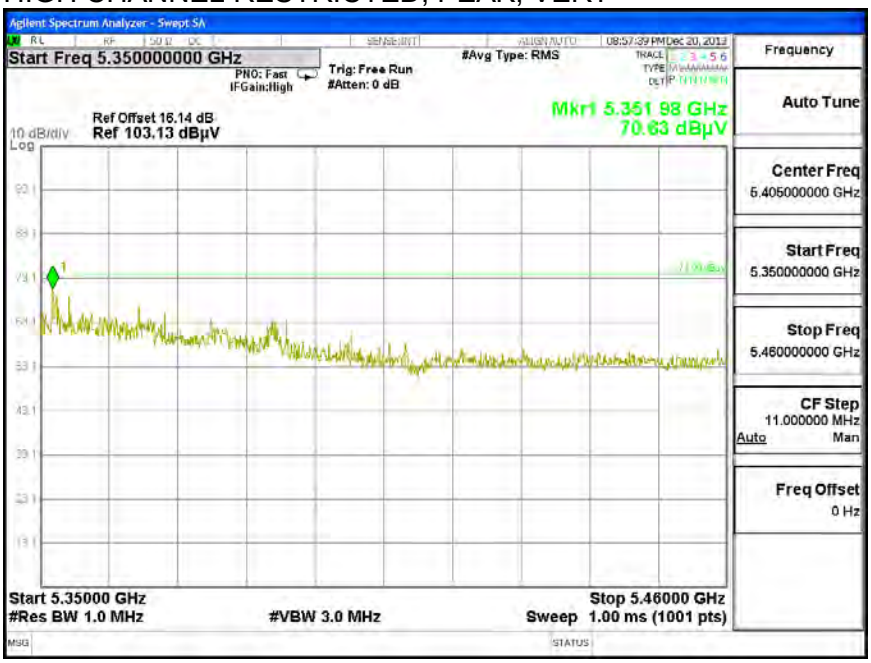
HIGH CHANNEL RESTRICTED, PEAK, HORIZ



HIGH CHANNEL RESTRICTED, AVERAGE, HORIZ



HIGH CHANNEL RESTRICTED, PEAK, VERT



HIGH CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 58 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.991	47.64	PK	31.6	-30.9	0	48.34	-	-	68.2	-19.86	0-360	101	V
* 2.787	48.91	PK	32.7	-30.3	0	51.31		-	74	-22.69	0-360	101	V
* 2.787	35.52	AD1	32.9	-29.8	0.6	38.62	54	-15.35	-	-	295	174	V
2.971	46.18	PK	33.1	-30.1	0	49.18	-	-	68.2	-19.02	0-360	101	V
5.879	45.38	PK	35.2	-18.9	0	61.68	-	-	68.2	-6.52	0-360	101	V
7.053	42.8	PK	35.7	-26.4	0	52.1	-	-	68.2	-16.1	0-360	101	H
7.054	45.14	PK	35.7	-26.4	0	54.44	-	-	68.2	-13.76	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

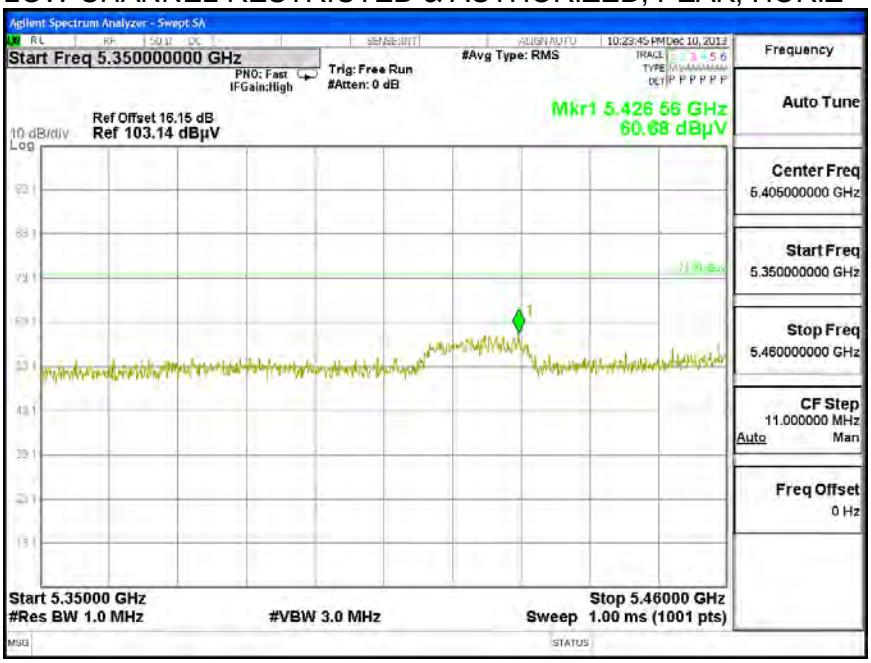
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

9.2.21. 802.11a 1TX SISO MODE IN THE 5.6 GHz BAND

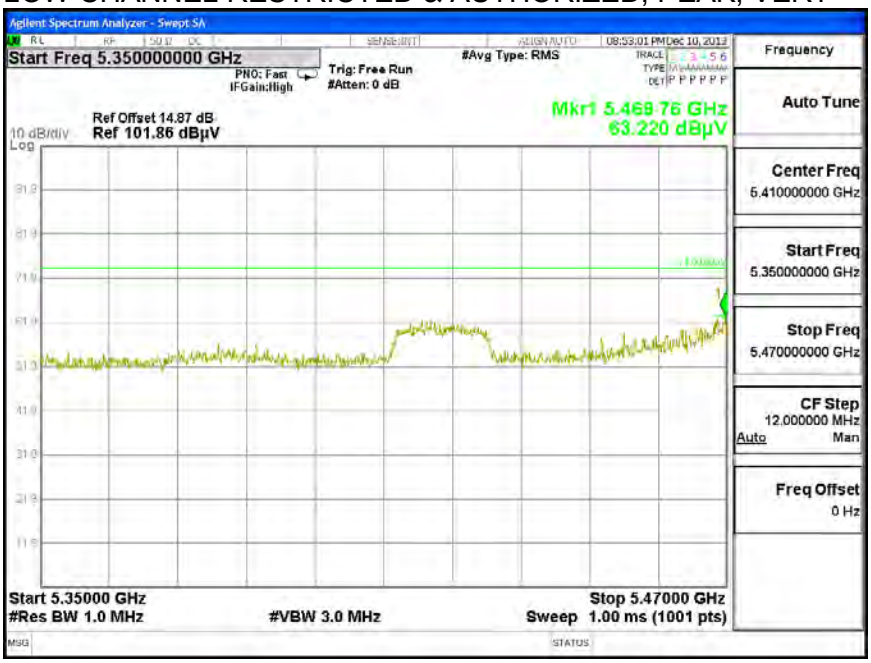
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ

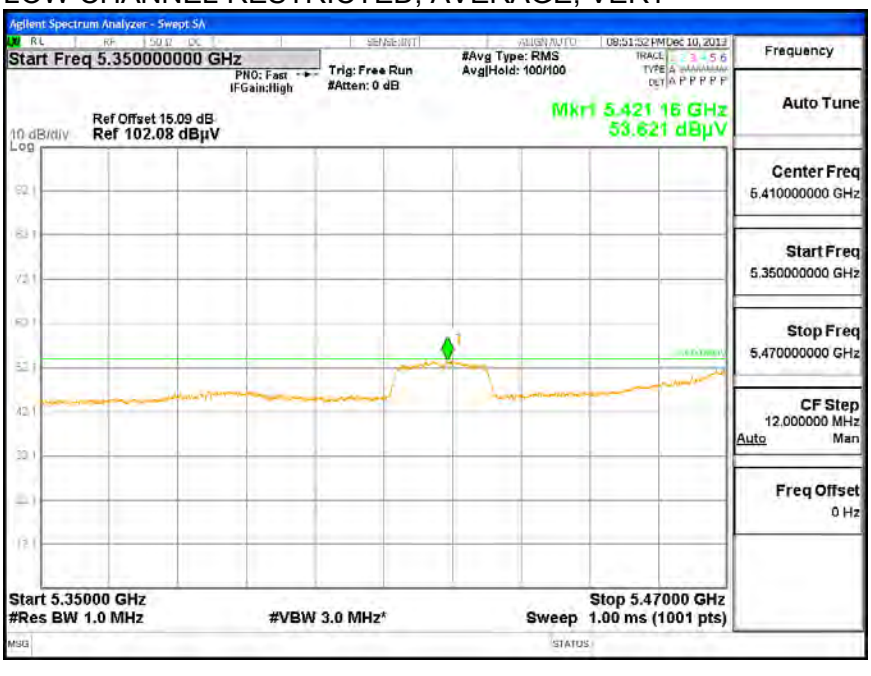


LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

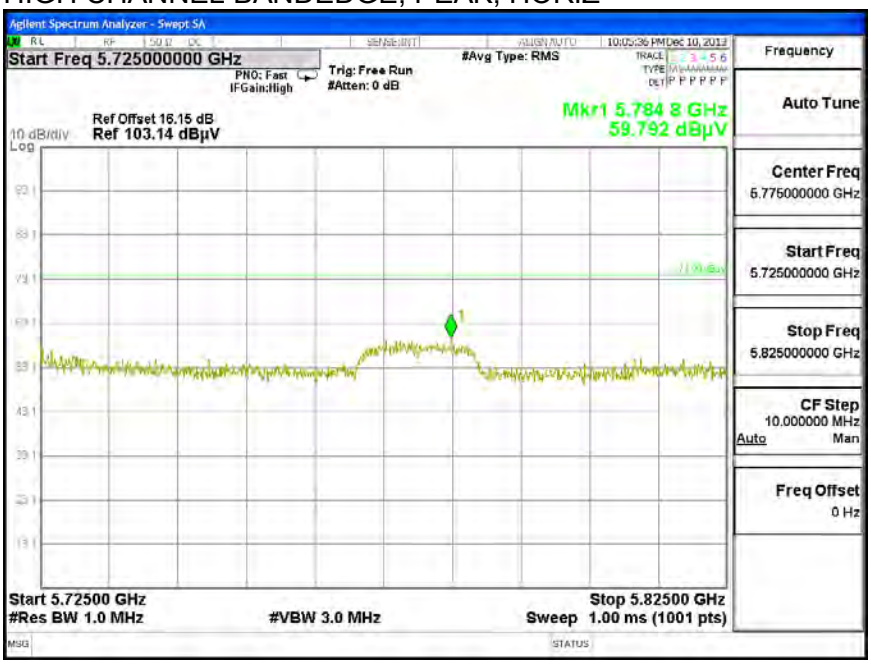


LOW CHANNEL RESTRICTED, AVERAGE, VERT

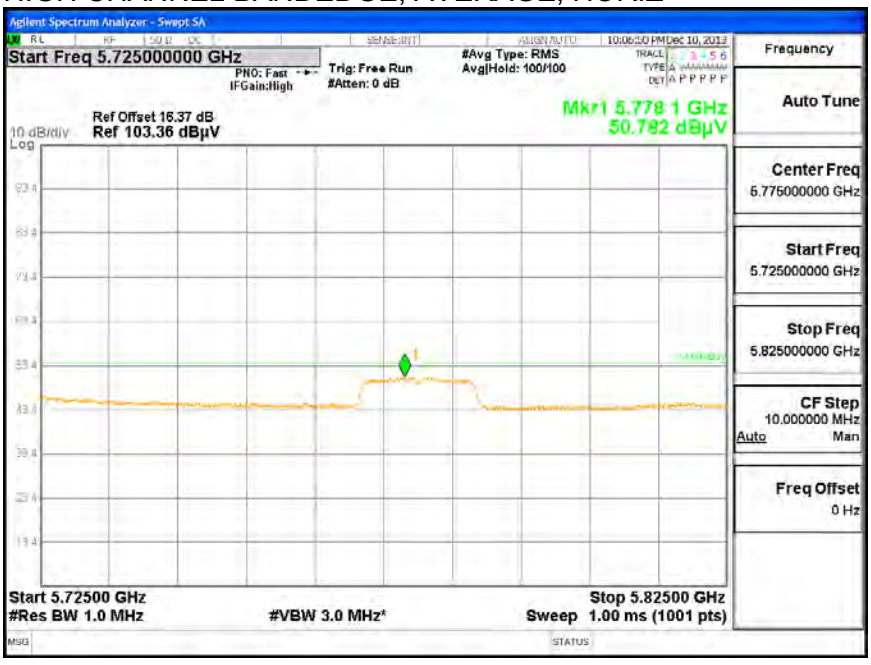


AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

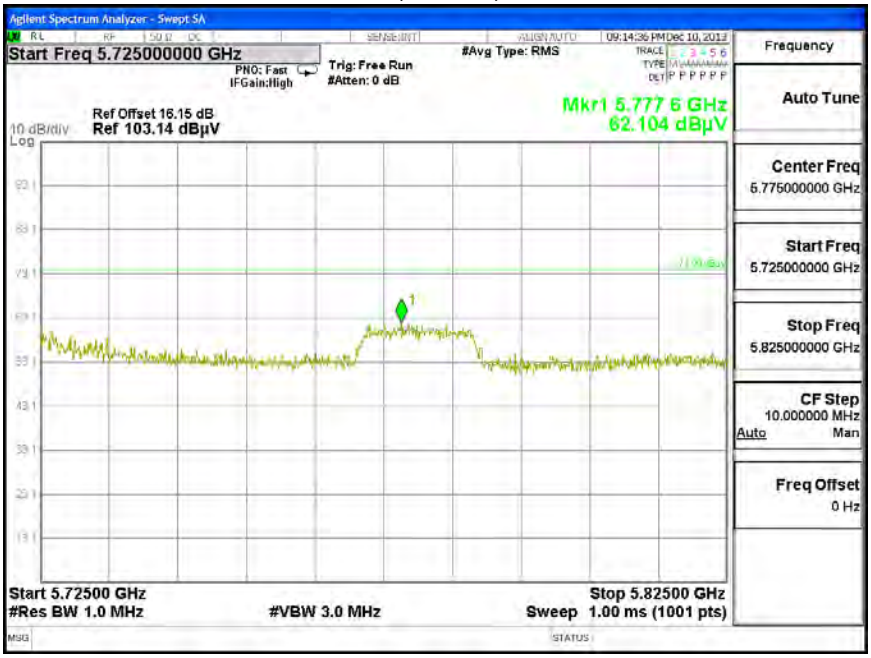
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.379	66.92	PK	32.4	-30.9	0	68.42	-	-	74	-5.58	0-360	100	H
* 2.379	50.60	AD1	32.4	-30.9	.2	52.30	54	-1.70	-	-	322	201	H
* 2.387	63.98	PK	32.4	-30.8	0	65.58	-	-	74	-8.42	0-360	201	V
* 2.387	44.94	AD1	32.4	-30.8	.2	46.74	54	-7.26	-	-	56	240	V
* 3.968	59.63	PK	33.8	-29.3	0	64.13	-	-	74	-9.87	0-360	100	V
* 3.968	38.91	AD1	33.8	-29.2	.2	43.71	54	-10.29	-	-	335	110	V
* 4.000	51.46	PK	33.8	-29.3	0	55.96	-	-	74	-18.04	0-360	201	H
* 4.000	35.73	AD1	33.8	-29.3	.2	40.43	54	-13.57	-	-	3	304	H
* 5.049	49.20	PK	34.4	-25.7	0	57.90	-	-	74	-16.10	0-360	201	V
* 5.049	41.61	AD1	34.4	-25.9	.2	50.31	54	-3.69	-	-	211	104	V
* 5.419	44.24	PK	34.8	-18.3	0	60.74	-	-	74	-13.26	0-360	100	V
* 5.419	36.96	AD1	34.8	-18.3	.2	53.66	54	-0.34	-	-	226	120	V
* 5.420	41.23	PK	34.8	-18.3	0	57.73	-	-	74	-16.27	0-360	201	H
* 5.420	31.41	AD1	34.8	-18.3	.2	48.11	54	-5.89	-	-	171	115	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.385	67.14	PK	32.4	-30.8	0	68.74	-	-	74	-5.26	0-360	201	H
*2.385	51.26	AD1	32.4	-30.7	.2	53.16	54	-0.84	-	-	310	230	H
* 2.372	60.37	PK	32.4	-30.8	0	61.97	-	-	74	-12.03	0-360	201	V
* 2.372	44.01	AD1	32.4	-30.8	.2	45.81	54	-8.19	-	-	317	184	V
* 3.961	58.52	PK	33.8	-29.2	0	63.12	-	-	74	-10.88	0-360	100	V
* 3.961	33.57	AD1	33.8	-29.2	.2	38.37	54	-15.63	-	-	193	271	V
* 3.974	52.62	PK	33.8	-29.4	0	57.02	-	-	74	-16.98	0-360	201	H
* 3.974	38.61	AD1	33.8	-29.4	.2	43.21	54	-10.79	-	-	318	169	H
* 5.116	45.02	PK	34.5	-18.3	0	61.22	-	-	74	-12.78	0-360	100	V
* 5.116	36.10	AD1	34.5	-18.3	.2	52.50	54	-1.50	-	-	217	118	V
* 5.109	41.72	PK	34.5	-18.4	0	57.82	-	-	74	-16.18	0-360	100	H
* 5.109	30.05	AD1	34.5	-18.3	.2	46.45	54	-7.55	-	-	242	151	H
* 5.421	44.60	PK	34.8	-18.3	0	61.10	-	-	74	-12.90	0-360	100	V
* 5.421	35.58	AD1	34.8	-18.3	.2	52.28	54	-1.72	-	-	95	124	V
* 5.422	41.75	PK	34.8	-18.3	0	58.25	-	-	74	-15.75	0-360	100	H
* 5.422	30.80	AD1	34.8	-18.3	.2	47.50	54	-6.50	-	-	316	160	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.377	60.96	PK	32.4	-30.8	0	62.56	-	-	74	-11.44	0-360	201	V
* 2.377	43.15	AD1	32.4	-30.9	.2	44.85	54	-9.15	-	-	110	198	V
* 2.386	62.98	PK	32.4	-30.8	0	64.58	-	-	74	-9.42	0-360	201	H
* 2.386	51.03	AD1	32.4	-30.8	.2	52.83	54	-1.17	-	-	301	284	H
* 2.774	50.10	PK	32.9	-29.7	0	53.30	-	-	74	-20.70	0-360	100	V
* 2.774	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
* 3.965	53.09	PK	33.8	-29.2	0	57.69	-	-	74	-16.31	0-360	201	H
* 3.965	35.35	AD1	33.8	-29.1	.2	40.25	54	-13.75	-	-	358	389	H
* 3.980	56.36	PK	33.8	-29.3	0	60.86	-	-	74	-13.14	0-360	100	V
* 3.980	41.27	AD1	33.8	-29.4	.2	45.87	54	-8.13	-	-	323	117	V
* 4.794	44.47	PK	34.4	-27.3	0	51.57	-	-	74	-22.43	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

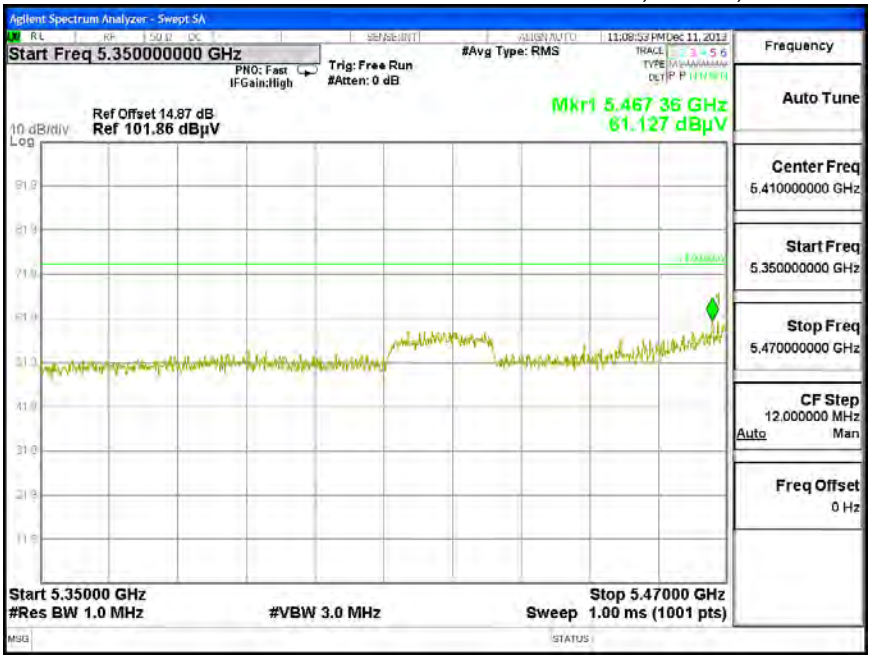
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

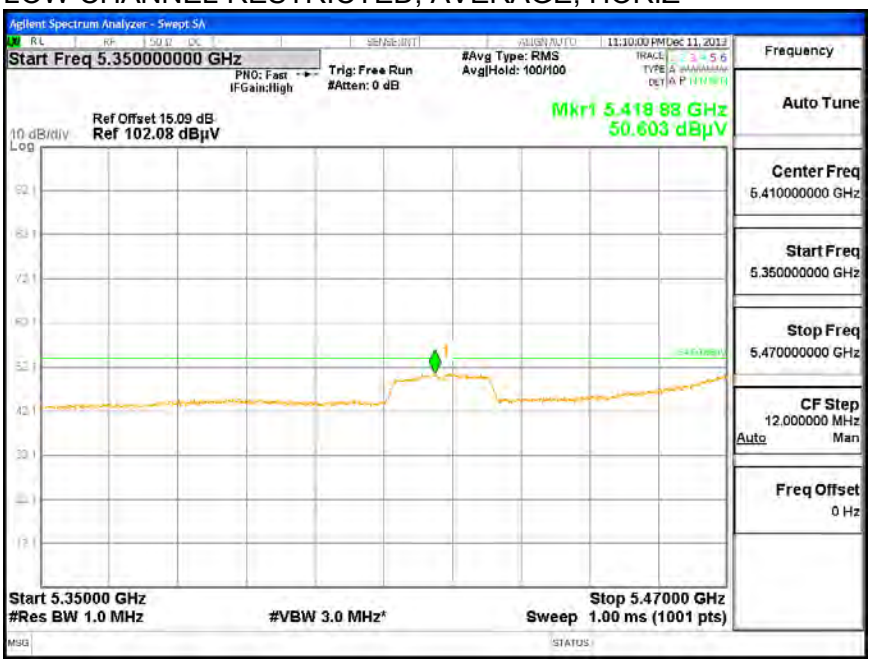
9.2.22. 802.11n HT20 1TX SISO MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

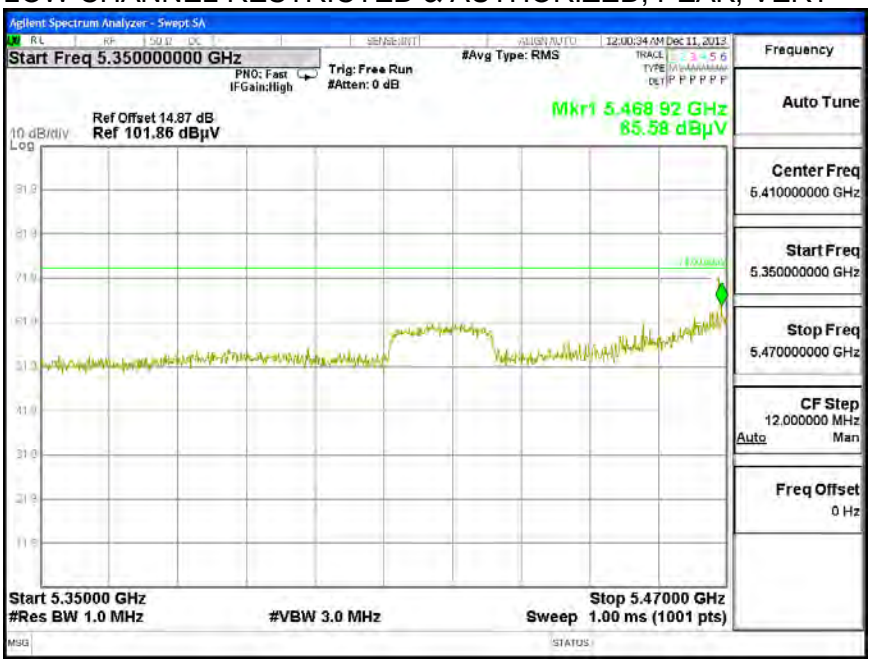
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



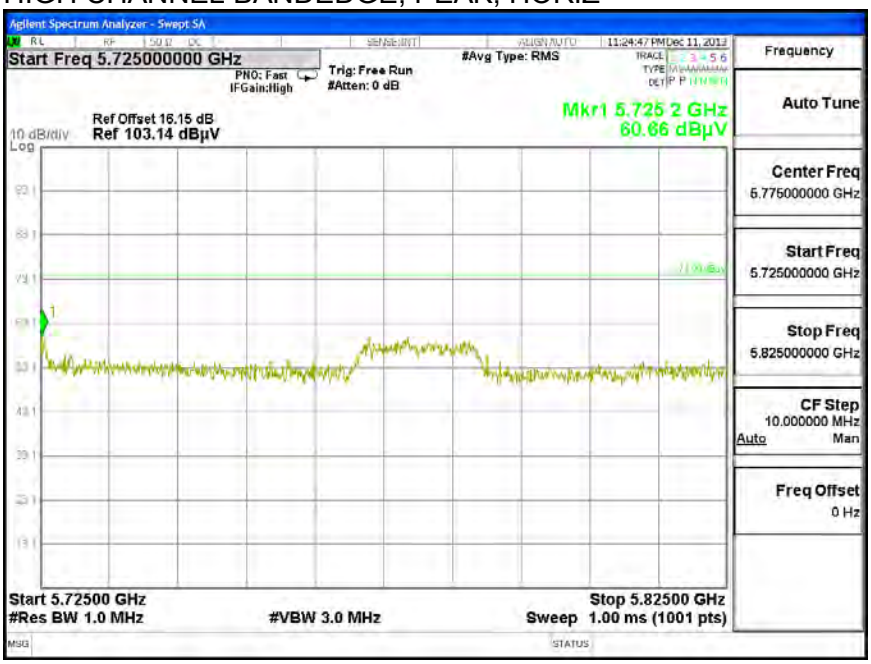
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



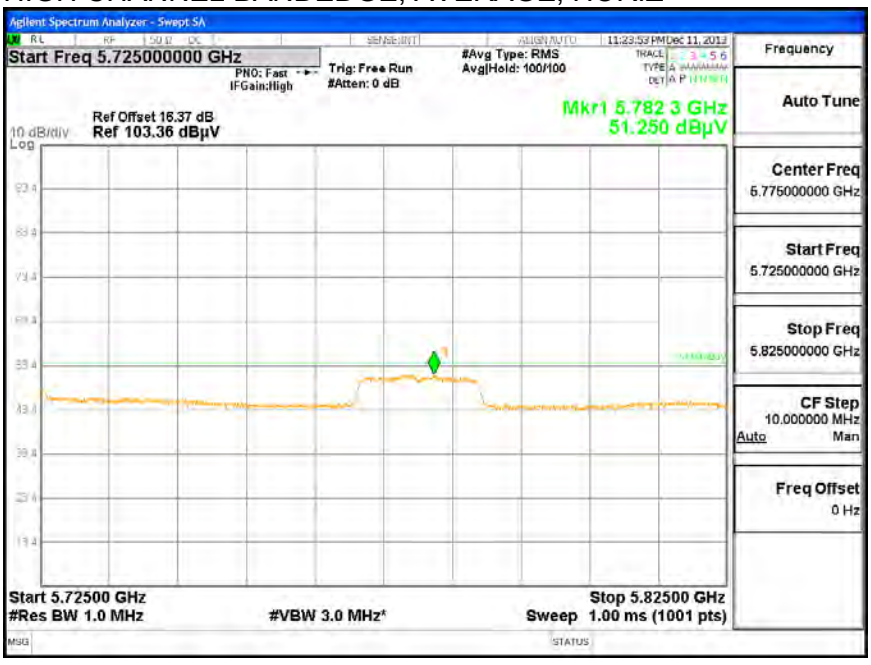
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

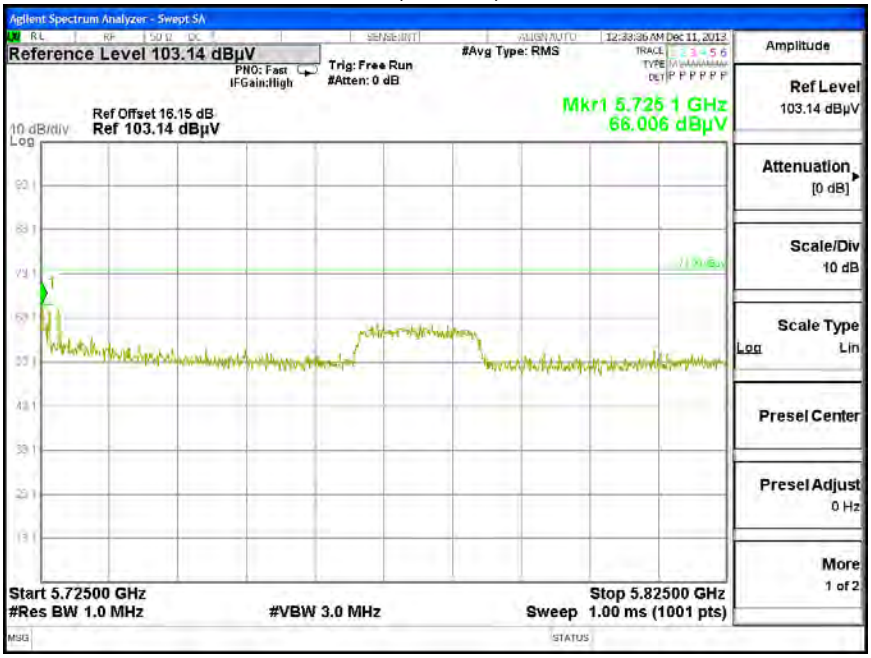
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.043	50.36	PK	34.1	-26.5	0	57.96	-	-	74	-16.04	0-360	101	V
* 5.043	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.339	47.82	PK	34.5	-19.3	0	63.02	-	-	68.2	-5.18	0-360	200	H
* 5.423	43.74	PK	34.6	-19.7	0	58.64	-	-	74	-15.36	0-360	101	H
* 5.423	36.5	AD1	34.6	-19.7	.2	51.6	54	-2.4	-	-	185	142	H
* 5.423	46.09	PK	34.6	-19.7	0	60.99	-	-	74	-13.01	0-360	101	V
* 5.423	37.9	AD1	34.6	-19.7	.2	53	54	-1	-	-	165	119	V
5.665	48.46	PK	34.8	-19	0	64.26	-	-	68.2	-3.94	0-360	200	H
16.494	36.17	PK	41.6	-22.2	0	55.57	-	-	68.2	-12.63	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	47.8	PK	31.6	-30.9	0	48.5	-	-	68.2	-19.7	0-360	101	V
2.585	47.62	PK	32.6	-30.2	0	50.02	-	-	68.2	-18.18	0-360	101	H
*5.116	43.94	PK	34.2	-19	0	59.14	-	-	74	-14.86	0-360	101	V
* 5.116	37.94	AD1	34.2	-19.1	.2	53.24	54	-.76	-	--	102	177	V
*5.421	46.69	PK	34.6	-19.7	0	61.59	-	-	74	-12.41	0-360	199	V
* 5.421	37.52	AD1	34.6	-19.7	.2	52.62	54	-1.38	-	-	197	131	V
5.747	45.49	PK	34.9	-18.5	0	61.89	-	-	68.2	-6.31	0-360	101	V
6.046	40.47	PK	35.4	-18.7	0	57.17	-	-	68.2	-11.03	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.595	46.53	PK	32.6	-30.1	0	49.03	-	-	68.2	-19.17	0-360	101	H
5.23	42.1	PK	34.4	-19.2	0	57.3	-	-	68.2	-10.9	0-360	200	H
5.779	43.07	PK	35	-18.4	0	59.67	-	-	68.2	-8.53	0-360	200	H
5.856	43.63	PK	35.1	-18.6	0	60.13	-	-	68.2	-8.07	0-360	101	H
6.177	41.97	PK	35.4	-26.6	0	50.77	-	-	68.2	-17.43	0-360	200	H
2.586	45.97	PK	32.6	-30.2	0	48.37	-	-	68.2	-19.83	0-360	201	V
* 2.776	50.13	PK	32.7	-30.3	0	52.53	-	-	74	-21.47	0-360	101	V
* 2.776	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.976	48.59	PK	33.1	-30.1	0	51.59	-	-	68.2	-16.61	0-360	101	V
5.22	43.4	PK	34.3	-19.2	0	58.5	-	-	68.2	-9.7	0-360	101	V
5.778	46.81	PK	35	-18.5	0	63.31	-	-	68.2	-4.89	0-360	101	V
5.855	45.42	PK	35.1	-18.6	0	61.92	-	-	68.2	-6.28	0-360	101	V
6.175	43.58	PK	35.4	-26.5	0	52.48	-	-	68.2	-15.72	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.23. 802.11ac 20MHz 1TX SISO MODE, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.566	42.89	PK	35	-20.9	0	56.99	-	-	68.2	-11.21	0-360	101	H
5.567	46.84	PK	35	-21	0	60.84	-	-	68.2	-7.36	0-360	199	V
5.642	43.93	PK	35.1	-21.1	0	57.93	-	-	68.2	-10.27	0-360	101	H
5.647	48.44	PK	35.2	-21.1	0	62.54	-	-	68.2	-5.66	0-360	101	V
5.796	46.91	PK	35.5	-21.3	0	61.11	-	-	68.2	-7.09	0-360	101	V
5.8	42.22	PK	35.5	-21.2	0	56.52	-	-	68.2	-11.68	0-360	101	H
5.877	46.37	PK	35.6	-20.5	0	61.47	-	-	68.2	-6.73	0-360	101	V
5.883	44.72	PK	35.6	-20.5	0	59.82	-	-	68.2	-8.38	0-360	101	H

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.2	43.39	PK	35.9	-29.6	0	49.69	-	-	68.2	-18.51	0-360	201	V
6.201	39.03	PK	35.9	-29.6	0	45.33	-	-	68.2	-22.87	0-360	200	H

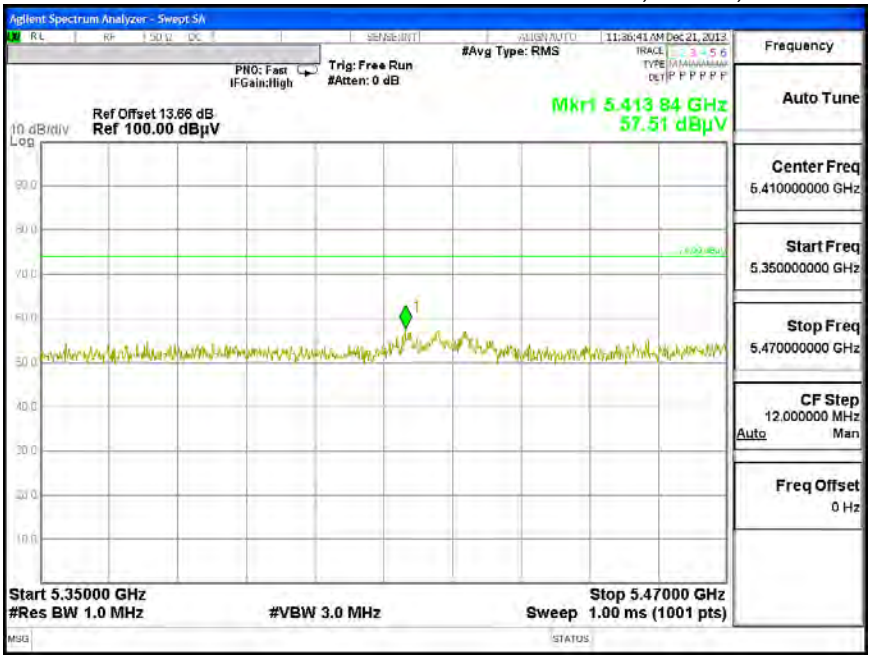
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

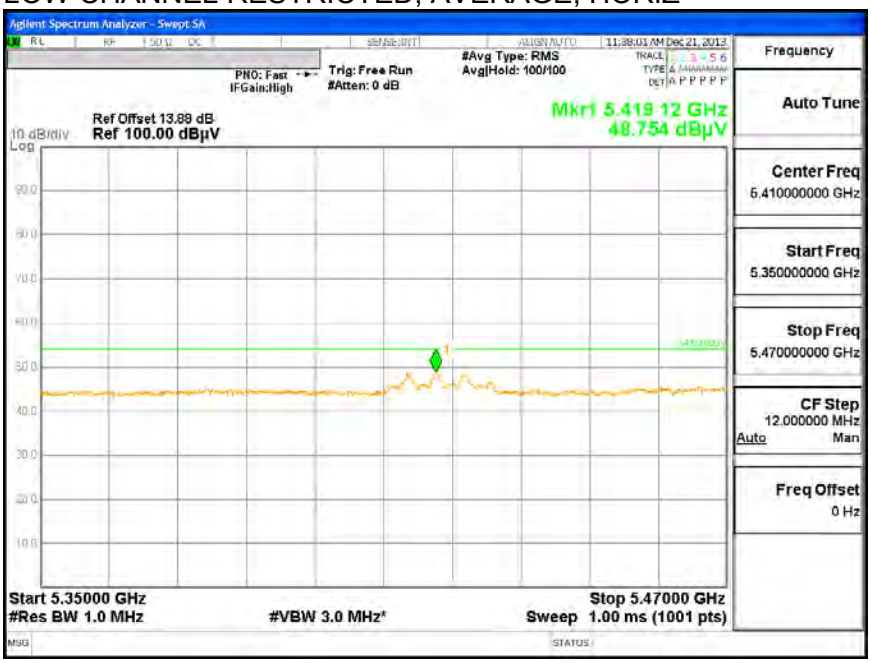
9.2.24. 802.11n HT20 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

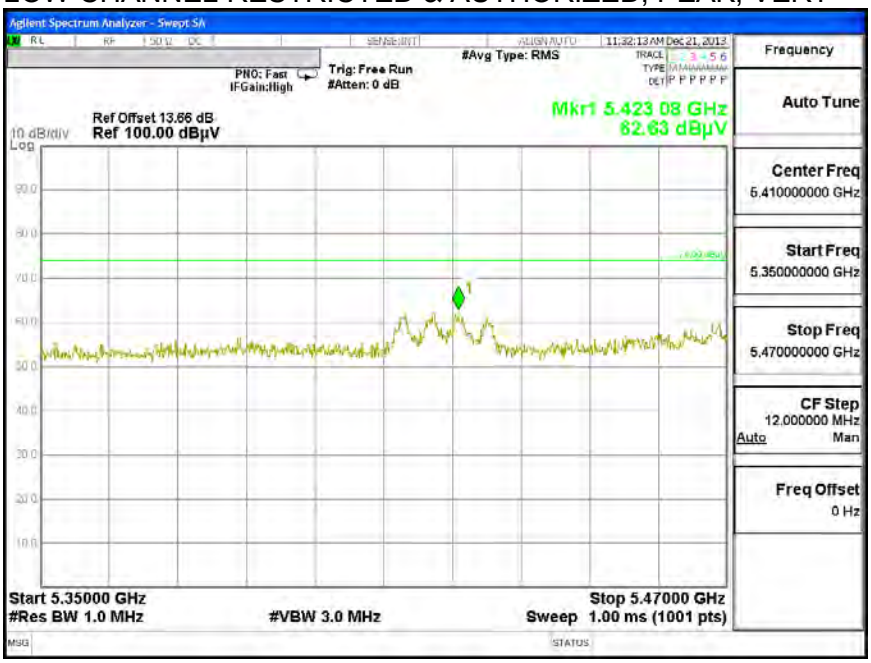
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



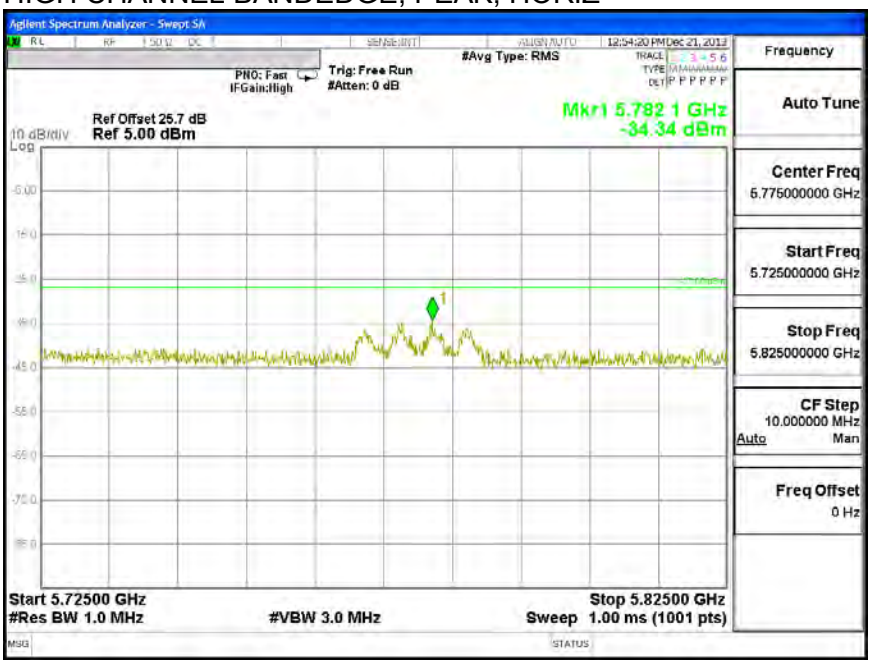
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



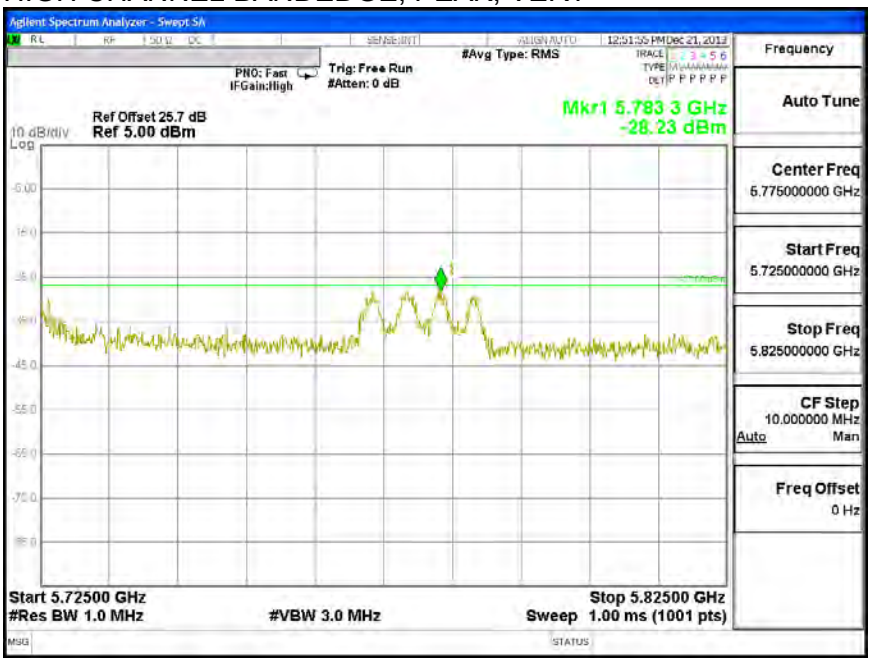
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.583	47.14	PK	32.6	-30.2	0	49.54	-	-	68.2	-18.66	0-360	101	H
* 2.773	45.07	PK	32.7	-30.3	0	47.47	54	-6.53	74	-26.53	0-360	200	H
5.665	44.85	PK	34.8	-19	0	60.65	-	-	68.2	-7.55	0-360	101	H
* 2.781	49.12	PK	32.7	-30.3	0	51.52	-	-	74	-22.48	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.986	46.93	PK	33.1	-30.3	0	49.73	-	-	68.2	-18.47	0-360	101	V
* 3.8	44.03	PK	33.6	-29.4	0	48.23	54	-5.77	74	-25.77	0-360	101	V
* 5.042	46.21	PK	34.1	-26.5	0	53.81	-	-	74	-20.19	0-360	201	V
* 5.042	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.669	51.55	PK	34.8	-18.9	0	67.45	-	-	68.2	-0.75	0-360	101	V
* 7.334	43.34	PK	35.7	-26.2	0	52.84	-	-	74	-21.16	0-360	101	V
* 7.334	36.08	AD1	35.9	-25.7	.2	46.48	54	-7.52	-	-	221	102	V
* 8.434	38.2	PK	36	-25.2	0	49	54	-5	74	-25	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.451	47.63	PK	32.3	-30.6	0	49.33	-	-	68.2	-18.87	0-360	199	H
2.473	46.99	PK	32.4	-30.6	0	48.79	-	-	68.2	-19.41	0-360	199	H
2.586	47.01	PK	32.6	-30.2	0	49.41	-	-	68.2	-18.79	0-360	101	H
* 5.422	43.57	PK	34.7	-19.7	0	58.57	-	-	74	-15.43	204	104	H
* 5.422	34.55	AD1	34.6	-19.7	.2	49.65	54	-4.35	-	-	204	104	H
5.66	44.79	PK	34.8	-18.9	0	60.69	-	-	68.2	-7.51	0-360	101	H
5.733	43.34	PK	34.9	-18.7	0	59.54	-	-	68.2	-8.66	0-360	101	H
* 7.441	40.01	PK	35.8	-26.4	0	49.41	54	-4.59	74	-24.59	0-360	101	H
2.448	50.79	PK	32.3	-30.6	0	52.49	-	-	68.2	-15.71	0-360	201	V
* 2.777	49.84	PK	32.7	-30.3	0	52.24	-	-	74	-21.76	0-360	101	V
* 2.777	36.92	AD1	32.9	-29.8	.2	40.22	54	-13.78	-	-	316	136	V
2.991	47.32	PK	33.2	-30.3	0	50.22	-	-	68.2	-17.98	0-360	101	V
* 5.418	46.5	PK	34.6	-19.6	0	61.5	-	-	74	-12.5	115	113	V
* 5.418	38.15	AD1	34.6	-19.6	.2	53.35	54	-.65	-	-	115	113	V
5.666	49.04	PK	34.8	-19	0	64.84	-	-	68.2	-3.36	0-360	101	V
5.74	48.39	PK	34.9	-18.7	0	64.59	-	-	68.2	-3.61	0-360	101	V
* 7.441	40.49	PK	35.8	-26.4	0	49.89	54	-4.11	74	-24.11	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.435	53.3	PK	32.3	-30.7	0	54.9	-	-	68.2	-13.3	0-360	101	H
2.464	48.14	PK	32.4	-30.6	0	49.94	-	-	68.2	-18.26	0-360	199	H
2.602	48.26	PK	32.6	-29.9	0	50.96	-	-	68.2	-17.24	0-360	101	H
* 2.776	45.32	PK	32.7	-30.3	0	47.72	54	-6.28	74	-26.28	0-360	199	H
5.782	42.7	PK	35	-18.4	0	59.3	-	-	68.2	-8.9	0-360	101	H
5.858	42.54	PK	35.2	-18.6	0	59.14	-	-	68.2	-9.06	0-360	101	H
* 7.601	37.59	PK	35.9	-25.5	0	47.99	54	-6.01	74	-26.01	0-360	200	H
2.444	52.4	PK	32.3	-30.6	0	54.1	-	-	68.2	-14.1	0-360	201	V
2.593	45.24	PK	32.6	-30.1	0	47.74	-	-	68.2	-20.46	0-360	201	V
3	47.45	PK	33.2	-30.3	0	50.35	-	-	68.2	-17.85	0-360	101	V
5.789	47.88	PK	35	-18.4	0	64.48	-	-	68.2	-3.72	0-360	101	V
5.859	47.1	PK	35.2	-18.6	0	63.7	-	-	68.2	-4.5	0-360	101	V
6.173	43.99	PK	35.4	-26.5	0	52.89	-	-	68.2	-15.31	0-360	101	V
7.199	38.42	PK	35.7	-26	0	48.12	-	-	68.2	-20.08	0-360	201	V
* 7.601	38.19	PK	35.9	-25.5	0	48.59	54	-5.41	74	-25.41	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

9.2.25. 802.11ac 20MHz 3TX CDD, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.564	47.63	PK	35	-20.9	0	61.73	-	-	68.2	-6.47	0-360	101	V
5.565	41.13	PK	35	-20.9	0	55.23	-	-	68.2	-12.97	0-360	200	H
5.643	42.13	PK	35.1	-21.1	0	56.13	-	-	68.2	-12.07	0-360	101	H
5.645	47.17	PK	35.1	-21.1	0	61.17	-	-	68.2	-7.03	0-360	200	V
5.802	42.22	PK	35.5	-21.2	0	56.52	-	-	68.2	-11.68	0-360	101	H
5.807	46.93	PK	35.5	-21.1	0	61.33	-	-	68.2	-6.87	0-360	101	V
5.877	44.6	PK	35.6	-20.5	0	59.7	-	-	68.2	-8.5	0-360	101	H
5.877	48.59	PK	35.6	-20.5	0	63.69	-	-	68.2	-4.51	0-360	101	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.197	43.28	PK	35.9	-29.6	0	49.58	-	-	68.2	-18.62	0-360	201	V

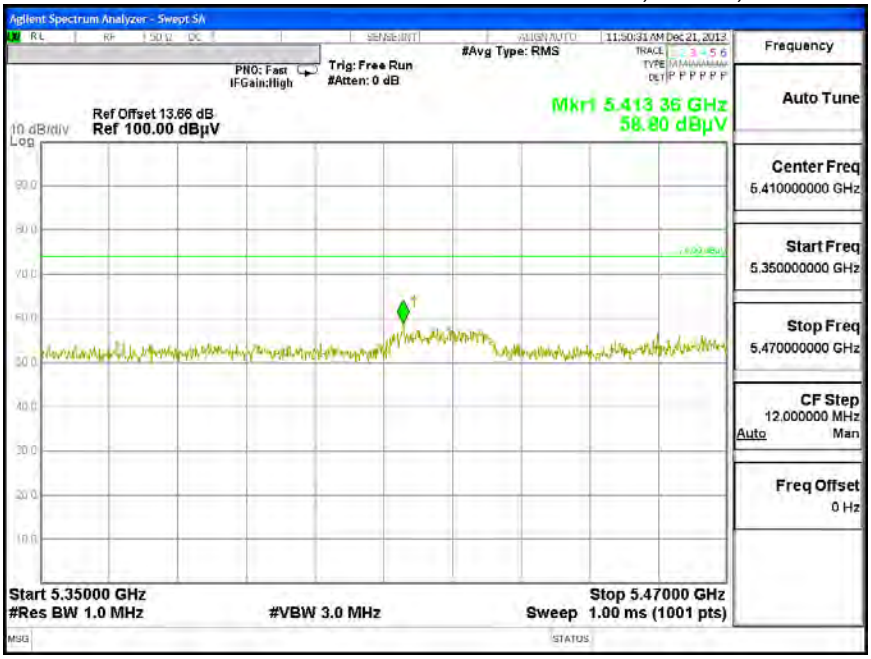
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

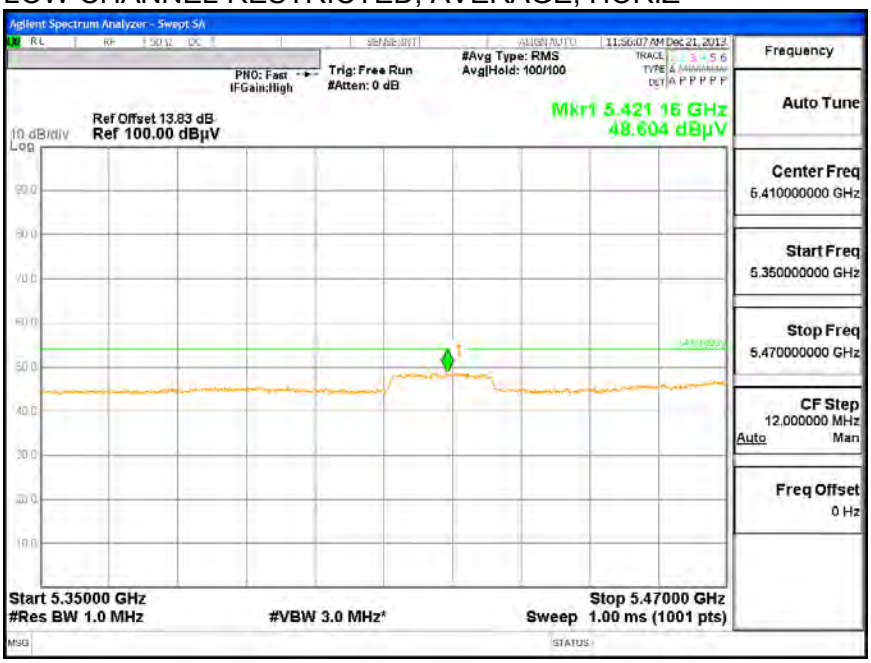
9.2.26. 802.11n HT20 3TX SDM MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 100)

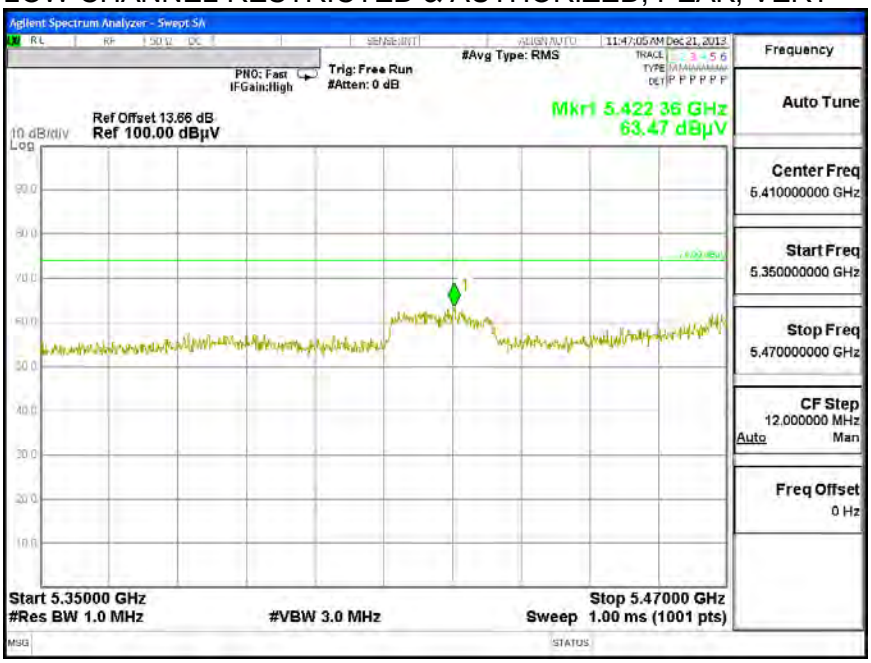
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



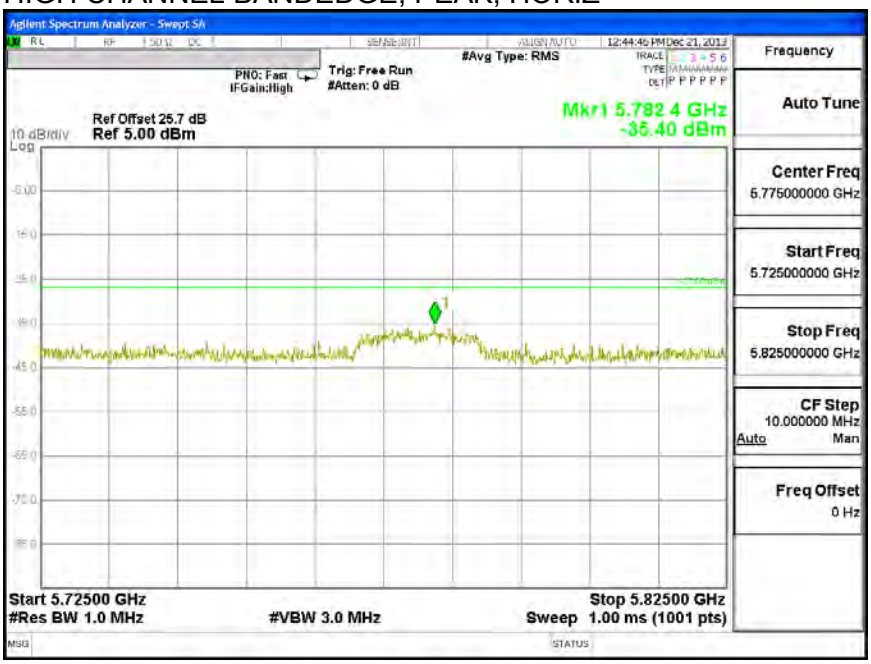
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



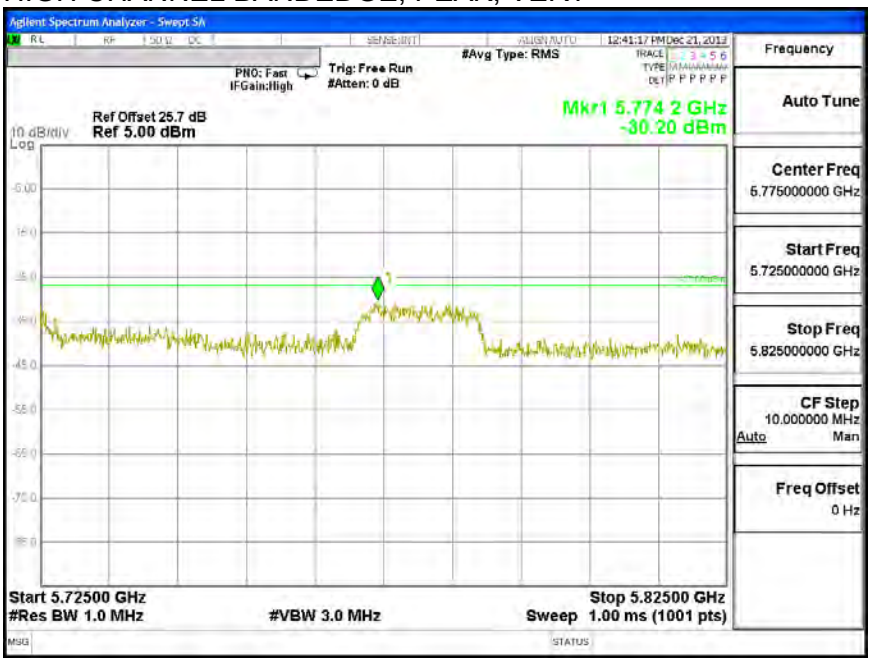
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 140)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 100 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.447	48.63	PK	32.3	-30.6	0	50.33	-	-	68.2	-17.87	0-360	199	H
2.48	47.42	PK	32.4	-30.5	0	49.32	-	-	68.2	-18.88	0-360	199	H
2.599	47.95	PK	32.6	-30	0	50.55	-	-	68.2	-17.65	0-360	101	H
5.659	46.33	PK	34.8	-18.9	0	62.23	-	-	68.2	-5.97	0-360	200	H
6.368	39.31	PK	35.7	-26.7	0	48.31	-	-	68.2	-19.89	0-360	199	H
6.526	39.3	PK	35.8	-26.8	0	48.3	-	-	68.2	-19.9	0-360	199	H
2.447	52.23	PK	32.3	-30.6	0	53.93	-	-	68.2	-14.27	0-360	201	V
* 2.774	50.32	PK	32.7	-30.3	0	52.72	-	-	74	-21.28	0-360	101	V
* 2.774	36.92	AD1	32.9	-29.8	.2	40.21	54	-13.79	-	-	316	136	V
2.971	47.07	PK	33.1	-30.1	0	50.07	-	-	68.2	-18.13	0-360	101	V
* 5.042	48.15	PK	34.1	-26.5	0	55.75	-	-	74	-18.25	0-360	101	V
* 5.042	32.75	AD1	34.2	-19.2	.2	47.95	54	-6.05	-	-	5	209	V
5.656	53.75	PK	34.8	-18.9	0	69.65	-	-	68.2	1.45	0-360	101	V
6.418	41.61	PK	35.7	-26.6	0	50.71	-	-	68.2	-17.49	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 116 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.448	49.32	PK	32.3	-30.6	0	51.02	-	-	68.2	-17.18	0-360	199	H
2.466	49.16	PK	32.4	-30.6	0	50.96	-	-	68.2	-17.24	0-360	199	H
2.606	47.8	PK	32.6	-29.9	0	50.5	-	-	68.2	-17.7	0-360	101	H
5.664	43.31	PK	34.8	-19	0	59.11	-	-	68.2	-9.09	0-360	100	H
5.744	43.68	PK	34.9	-18.6	0	59.98	-	-	68.2	-8.22	0-360	100	H
* 7.441	39.52	PK	35.8	-26.4	0	48.92	54	-5.08	74	-25.08	0-360	101	H
2.451	49.18	PK	32.3	-30.6	0	50.88	-	-	68.2	-17.32	0-360	101	V
* 2.781	49.06	PK	32.7	-30.3	0	51.46	-	-	74	-22.54	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	0.2	40.22	54	-13.78	-	-	316	136	V
2.994	46.72	PK	33.2	-30.3	0	49.62	-	-	68.2	-18.58	0-360	101	V
5.669	47.4	PK	34.8	-18.9	0	63.3	-	-	68.2	-4.9	0-360	101	V
5.734	47.07	PK	34.9	-18.7	0	63.27	-	-	68.2	-4.93	0-360	101	V
* 7.441	41.32	PK	35.8	-26.4	0	50.72	54	-3.28	74	-23.28	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 140 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.279	46.77	PK	32	-30.3	0	48.47	54	-5.53	74	-25.53	0-360	200	H
2.446	49.27	PK	32.3	-30.6	0	50.97	-	-	68.2	-17.23	0-360	200	H
2.583	46.78	PK	32.6	-30.2	0	49.18	-	-	68.2	-19.02	0-360	101	H
5.785	43.71	PK	35	-18.4	0	60.31	-	-	68.2	-7.89	0-360	101	H
5.859	41.98	PK	35.2	-18.6	0	58.58	-	-	68.2	-9.62	0-360	101	H
2.422	50.59	PK	32.2	-30.6	0	52.19	-	-	68.2	-16.01	0-360	101	V
2.448	50.91	PK	32.3	-30.6	0	52.61	-	-	68.2	-15.59	0-360	201	V
2.599	45.09	PK	32.6	-30	0	47.69	-	-	68.2	-20.51	0-360	201	V
* 2.794	50.71	PK	32.7	-30.2	0	53.21	-	-	74	-20.79	0-360	101	V
* 2.781	36.92	AD1	32.9	-29.8	0.2	40.22	54	-13.78	-	-	316	136	V
2.979	47.99	PK	33.1	-30.1	0	50.99	-	-	68.2	-17.21	0-360	101	V
* 4.043	42.5	PK	33.4	-28.1	0	47.8	54	-6.2	74	-26.2	0-360	101	V
5.78	46.83	PK	35	-18.4	0	63.43	-	-	68.2	-4.77	0-360	101	V
5.856	46.48	PK	35.2	-18.6	0	63.08	-	-	68.2	-5.12	0-360	101	V
6.178	44.17	PK	35.4	-26.6	0	52.97	-	-	68.2	-15.23	0-360	101	V
* 7.601	38.74	PK	35.9	-25.5	0	49.14	54	-4.86	74	-24.86	0-360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.27. 802.11ac 20MHz 3TX SDM, CHANNEL 144, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 144 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.56	42.65	PK	34.9	-20.8	0	56.75	-	-	68.2	-11.45	0-360	200	H
5.563	47.31	PK	35	-20.9	0	61.41	-	-	68.2	-6.79	0-360	101	V
5.634	41.59	PK	35.1	-21	0	55.69	-	-	68.2	-12.51	0-360	101	H
5.642	48.46	PK	35.1	-21.1	0	62.46	-	-	68.2	-5.74	0-360	101	V
5.8	48.56	PK	35.5	-21.2	0	62.86	-	-	68.2	-5.34	0-360	101	V
5.807	43.98	PK	35.5	-21.1	0	58.38	-	-	68.2	-9.82	0-360	101	H
5.877	44.5	PK	35.6	-20.5	0	59.6	-	-	68.2	-8.6	0-360	101	H
5.877	47.57	PK	35.6	-20.5	0	62.67	-	-	68.2	-5.53	0-360	101	V

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 6GHz HPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.197	43.02	PK	35.9	-29.6	0	49.32	-	-	68.2	-18.88	0-360	101	V

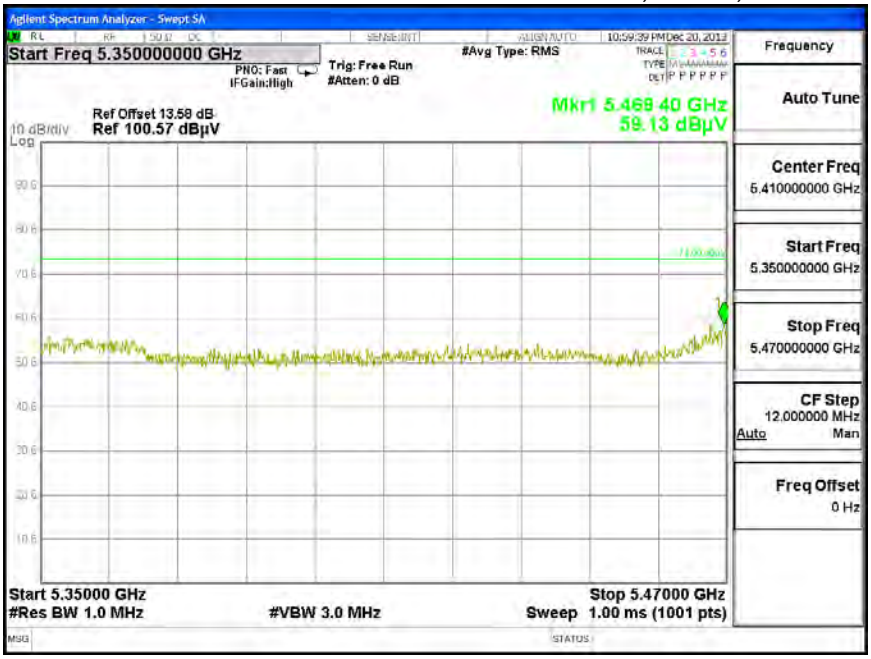
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

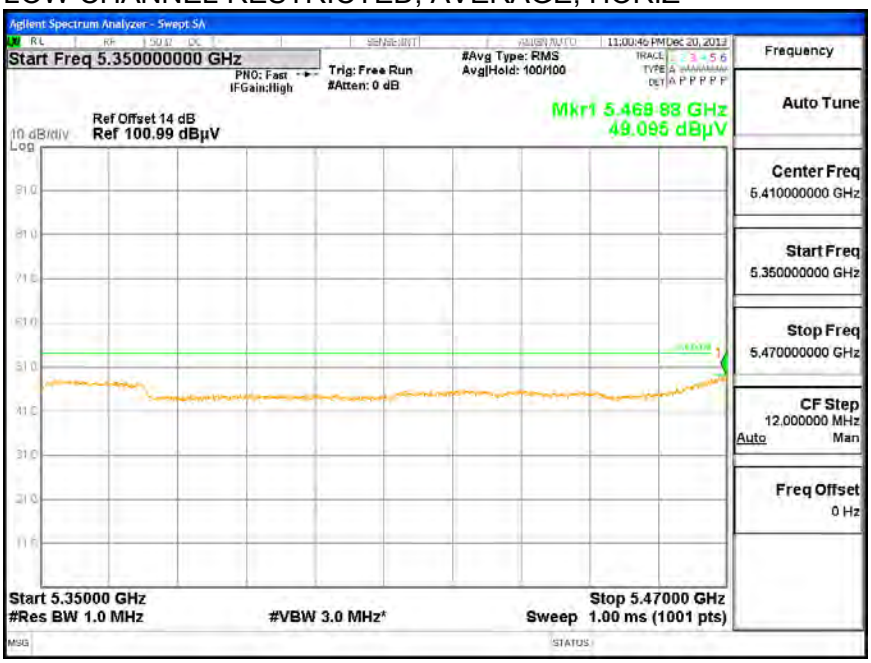
9.2.28. 802.11n HT40 1TX SISO MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

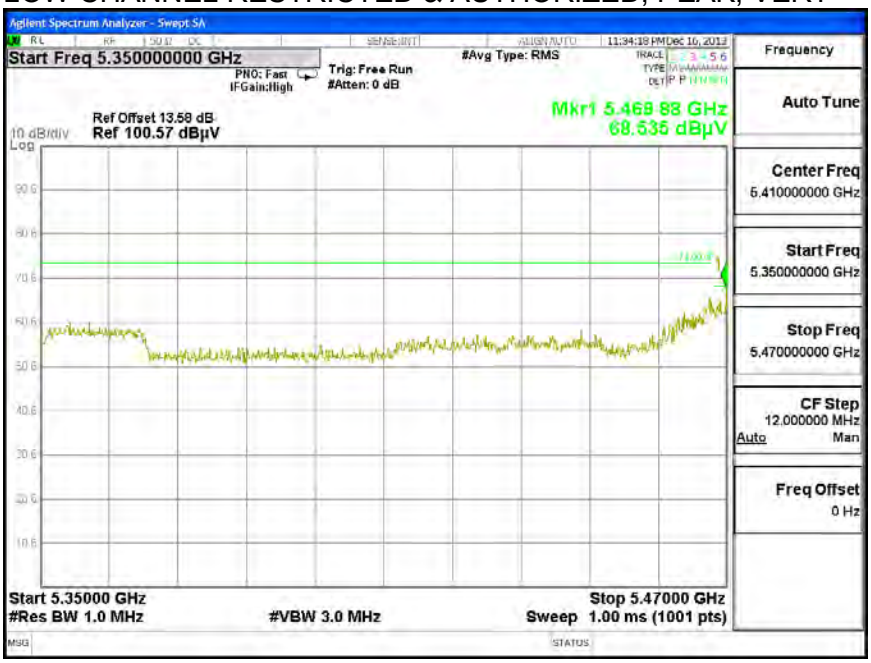
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



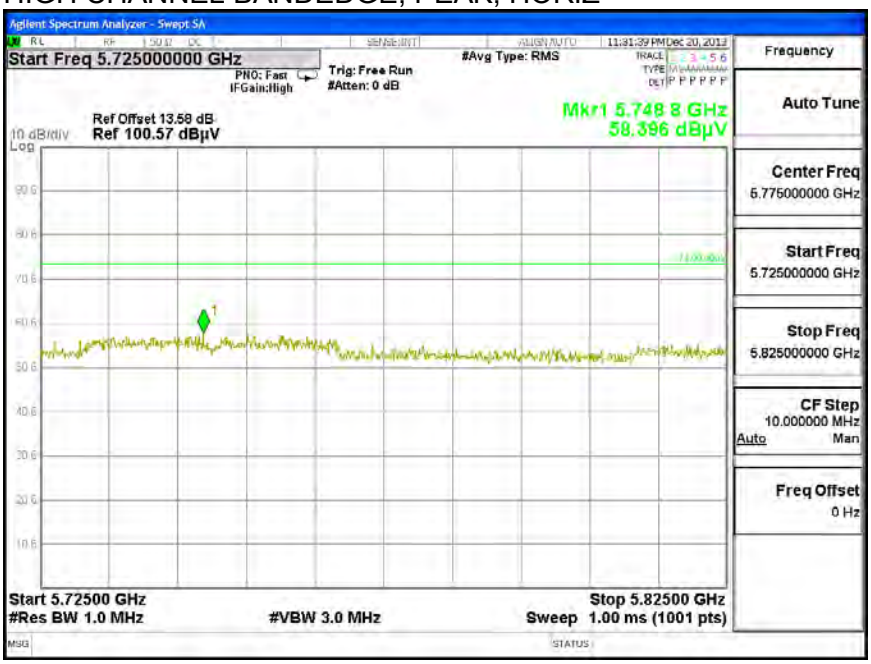
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



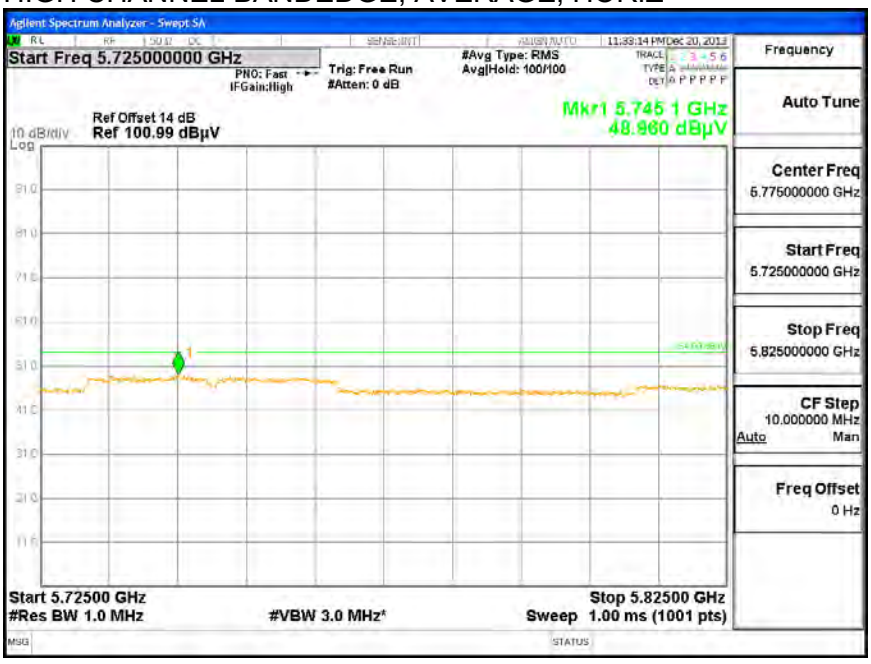
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

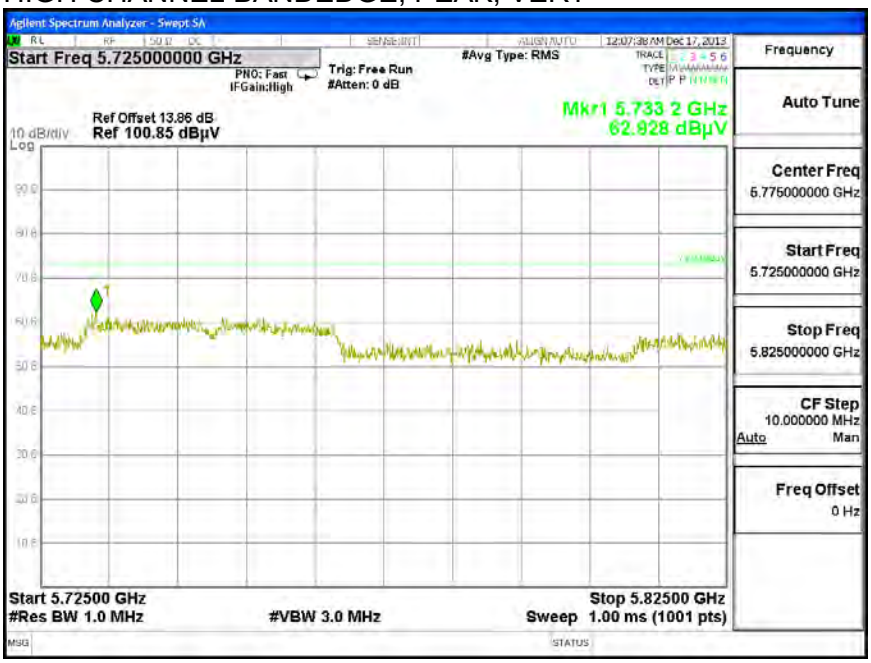
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



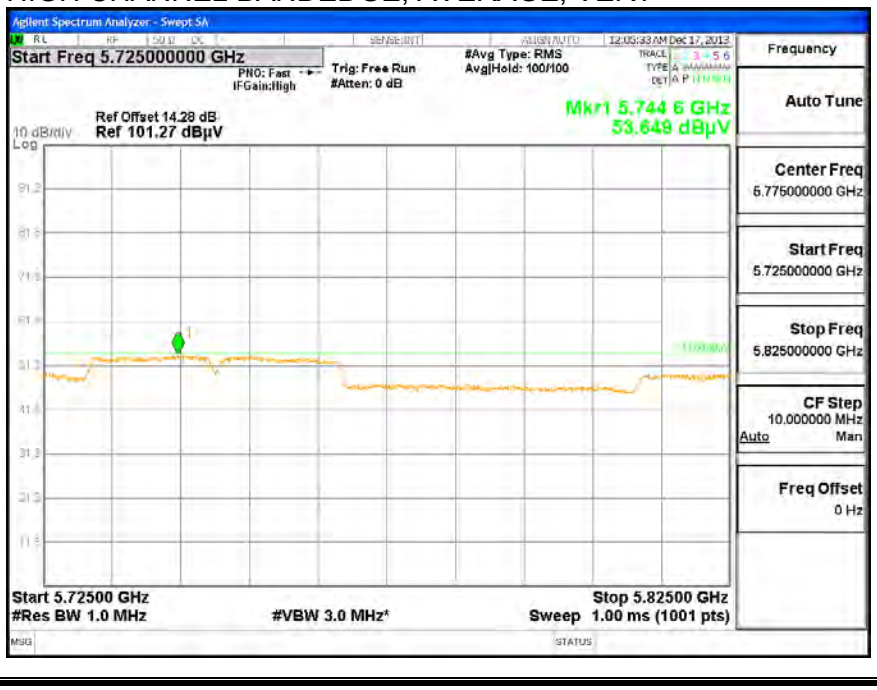
HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.585	46.78	PK	32.6	-30.3	0	49.08	-	-	68.2	-19.12	0-360	201	H
* 2.775	42.97	PK	32.9	-29.3	0	46.57	54	-7.43	74	-27.43	0-360	201	H
2.603	43.64	PK	32.6	-30.3	0	45.94	-	-	68.2	-22.26	0-360	100	V
* 2.798	48.56	PK	32.9	-29.2	0	52.26	-	-	74	-21.74	0-360	100	V
* 2.798	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.934	44.3	PK	33	-29.8	0	47.5	-	-	68.2	-20.7	0-360	100	V
2.984	46.06	PK	33.1	-29.1	0	50.06	-	-	68.2	-18.14	0-360	100	V
* 5.051	41.76	PK	34.4	-25.1	0	51.06	-	-	74	-22.94	0-360	100	V
* 5.051	40.7	AD1	34.4	-25.1	.4	50.4	54	-3.6	-	-	239	104	V
* 5.355	43.07	PK	34.7	-18.2	0	59.57	-	-	74	-14.43	0-360	100	V
5.355	33.95	AD1	34.7	-18	.4	51.05	54	-2.95	-	-	226	127	V
5.672	43.16	PK	35.1	-17.5	0	60.76	-	-	68.2	-7.44	0-360	201	V
* 7.347	39.69	PK	35.9	-25.7	0	49.89	-	-	74	-24.11	0-360	201	V
* 7.347	36.08	AD1	35.9	-25.7	.4	46.68	54	-7.32	-	-	221	102	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.584	46.26	PK	32.6	-30.3	0	48.56	-	-	68.2	-19.64	0-360	201	H
* 2.779	42.22	PK	32.9	-29.2	0	45.92	54	-8.08	74	-28.08	0-360	102	H
* 4.796	40.27	PK	34.4	-26.9	0	47.77	54	-6.23	74	-26.23	0-360	102	H
* 2.798	49.41	PK	32.9	-29.2	0	53.11	-	-	74	-20.89	0-360	100	V
* 2.798	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.976	46.49	PK	33.1	-29.1	0	50.49	-	-	68.2	-17.71	0-360	100	V
* 3.79	44.8	PK	33.8	-28.9	0	49.7	-	-	74	-24.3	0-360	100	V
* 3.79	31.86	AD1	33.8	-28.7	.4	37.36	54	-16.64	-	-	331	125	V
* 4.794	41.64	PK	34.4	-26.9	0	49.14	-	-	74	-24.86	0-360	100	V
* 4.794	30.8	AD1	34.4	-27	.4	38.6	54	-15.4	-	-	12	104	V
* 5.403	44.21	PK	34.8	-18.2	0	60.81	-	-	74	-13.19	0-360	100	V
* 5.403	36.27	AD1	34.8	-18.2	.4	53.27	54	-.73	-	-	227	107	V
5.724	43.98	PK	35.2	-17.6	0	61.58	-	-	68.2	-6.62	0-360	100	V
* 7.401	38.88	PK	35.9	-25.2	0	49.58	-	-	74	-24.42	0-360	201	V
* 7.401	36.08	AD1	35.9	-25.7	.4	46.68	54	-7.32	-	-	221	102	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power

CH 134 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.579	48.43	PK	32.6	-30.3	0	50.73	-	-	68.2	-17.47	0-360	201	H
* 2.785	43.03	PK	32.9	-29.1	0	46.83	54	-7.17	74	-27.17	0-360	100	H
2.581	44.75	PK	32.6	-30.3	0	47.05	-	-	68.2	-21.15	0-360	201	V
* 2.801	50.12	PK	32.9	-29.3	0	53.72	-	-	74	-20.28	0-360	201	V
* 2.801	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.986	47.2	PK	33.1	-29.2	0	51.1	-	-	68.2	-17.1	0-360	100	V
5.515	42.12	PK	34.8	-17.9	0	59.02	-	-	68.2	-9.18	0-360	201	V
5.604	44.08	PK	35	-17.9	0	61.18	-	-	68.2	-7.02	0-360	100	V
5.739	41.95	PK	35.3	-17.5	0	59.75	-	-	68.2	-8.45	0-360	201	V
5.827	41.89	PK	35.4	-17.5	0	59.79	-	-	68.2	-8.41	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power

9.2.29. 802.11ac 40MHz 1TX SISO, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.544	45.05	PK	34.9	-20.9	0	59.05	-	-	68.2	-9.15	0-360	101	V
5.553	41.42	PK	34.9	-20.8	0	55.52	-	-	68.2	-12.68	0-360	101	H
5.628	41.03	PK	35.1	-21	0	55.13	-	-	68.2	-13.07	0-360	200	H
5.632	45.42	PK	35.1	-21	0	59.52	-	-	68.2	-8.68	0-360	101	V
5.786	41.33	PK	35.5	-21.4	0	55.43	-	-	68.2	-12.77	0-360	200	H
5.802	45.82	PK	35.5	-21.2	0	60.12	-	-	68.2	-8.08	0-360	101	V
5.874	43.43	PK	35.6	-20.6	0	58.43	-	-	68.2	-9.77	0-360	101	V
5.875	40.4	PK	35.6	-20.6	0	55.4	-	-	68.2	-12.8	0-360	200	H

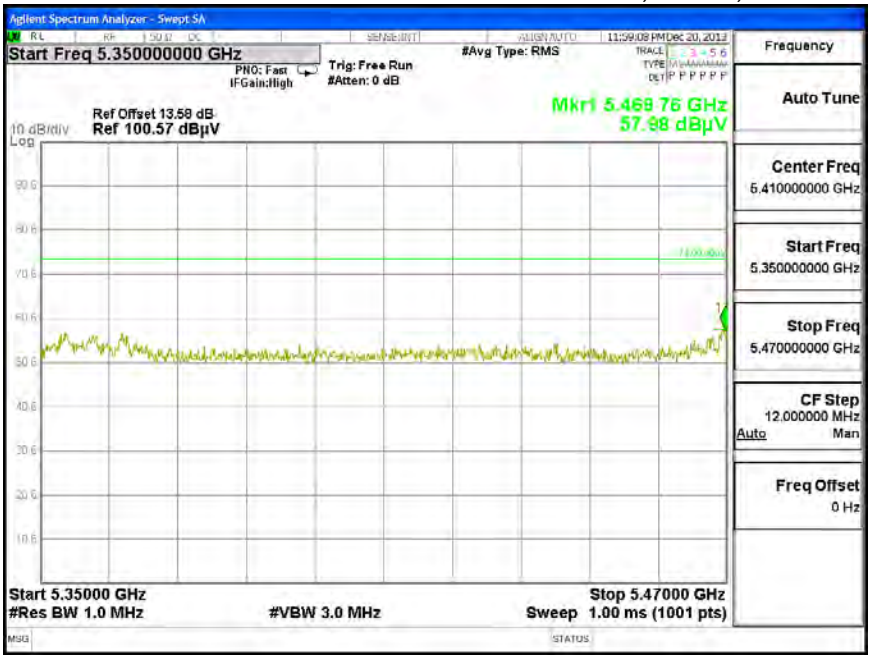
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

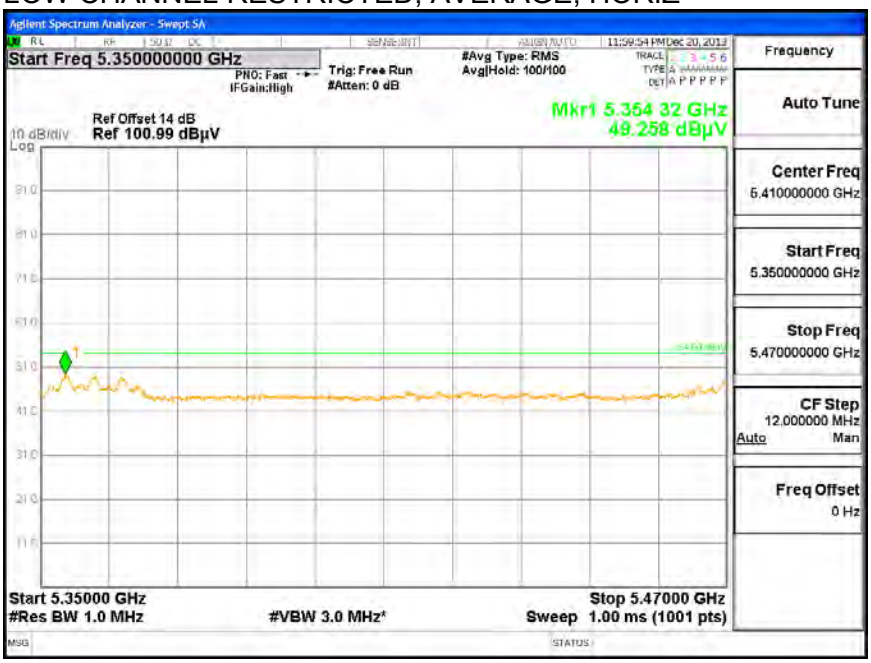
9.2.30. 802.11n HT40 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

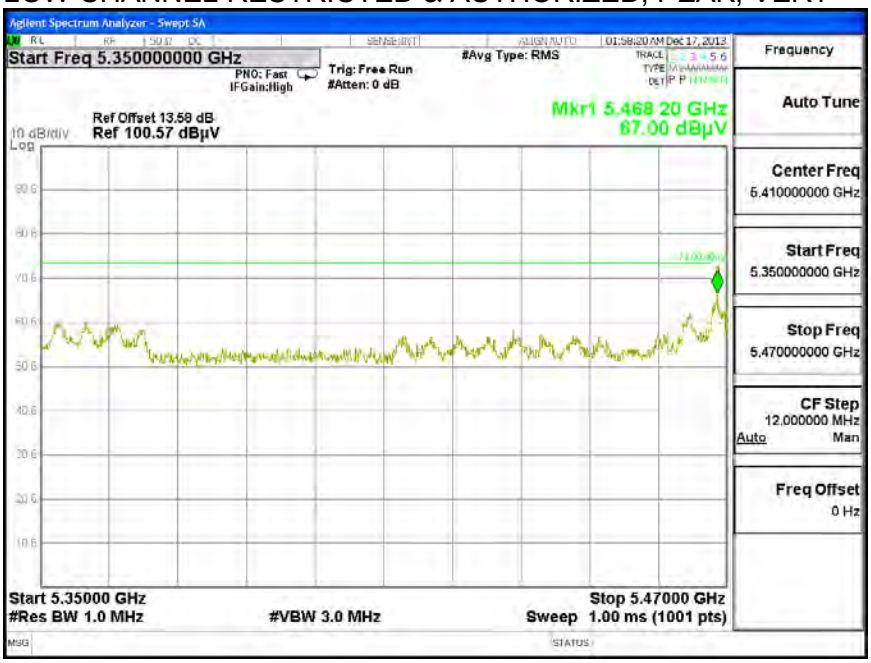
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



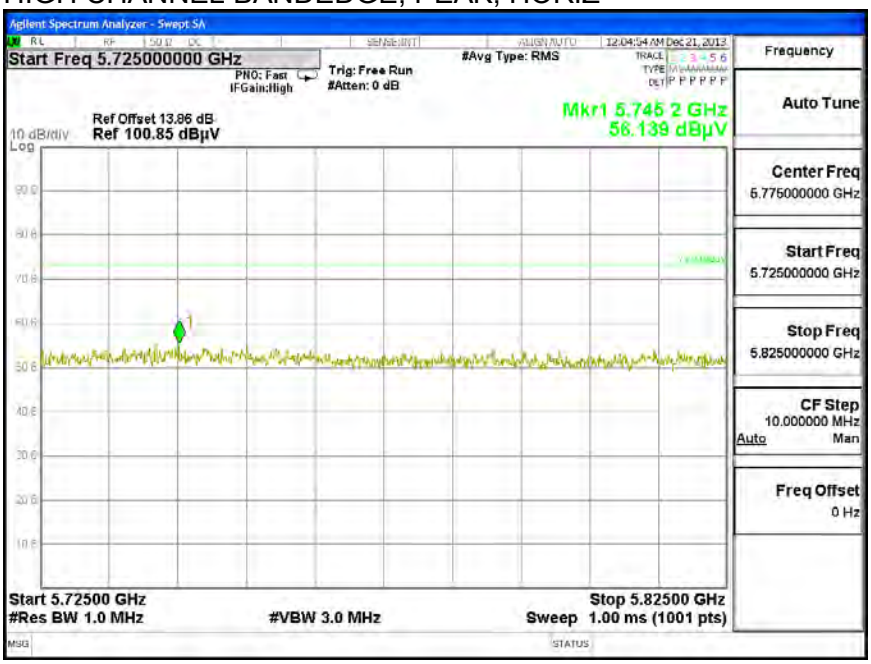
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



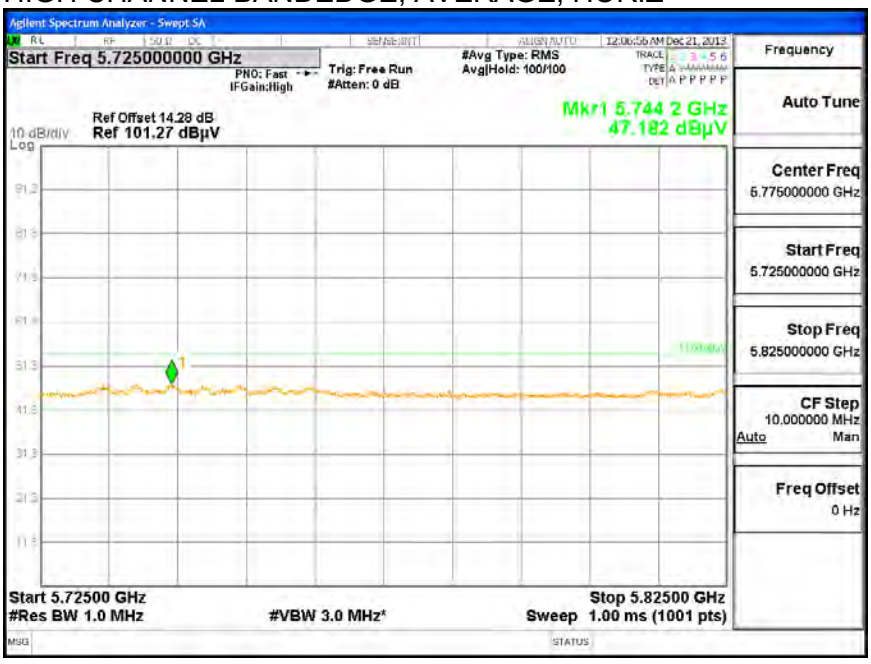
LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

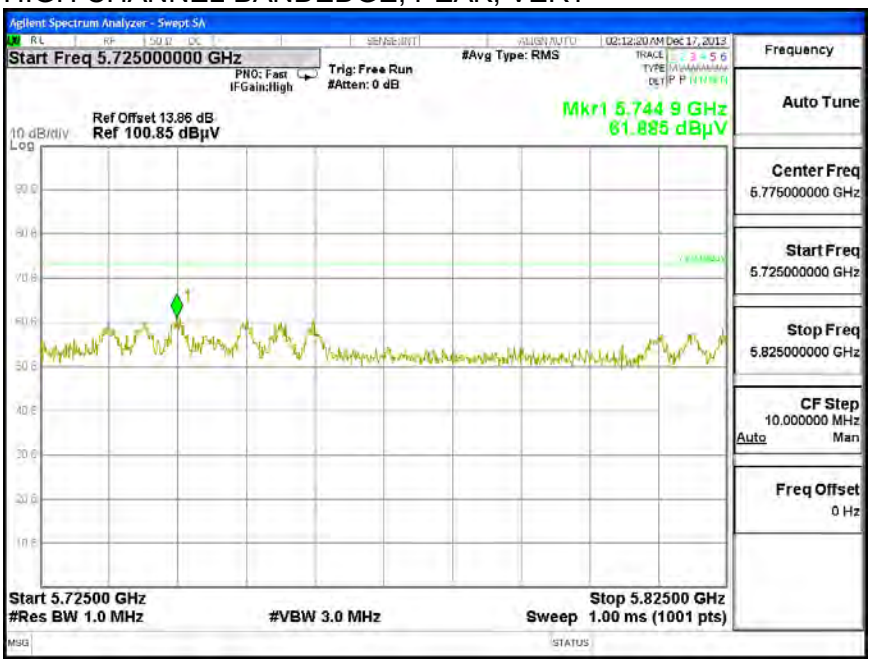
HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ



HIGH CHANNEL BANDEDGE, PEAK, VERT



HIGH CHANNEL BANDEDGE, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.192	48.26	PK	28.4	-32.6	0	44.06	54	-9.94	74	-29.94	0-360	100	H
* 1.193	50.99	PK	28.4	-32.6	0	46.79	54	-7.21	74	-27.21	0-360	201	V
2.598	48.61	PK	32.6	-30.7	0	50.51	-	-	68.2	-17.69	0-360	100	H
* 2.778	49.75	PK	32.9	-29.8	0	52.85	-	-	74	-21.15	0-360	100	V
* 2.778	35.31	AD1	32.9	-29.8	.1	38.51	53.97	-15.46	-	-	324	148	V
2.979	47.54	PK	33.1	-29.4	0	51.24	-	-	68.2	-16.96	0-360	100	V
* 4.79	43.72	PK	34.4	-27.2	0	50.92	-	-	74	-23.08	0-360	100	H
* 4.786	29.01	AD1	34.4	-27.2	.1	36.31	53.97	-17.66	-	-	207	131	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.295	45.46	PK	32.4	-30.5	0	47.36	-	-	74	-26.64	0-360	100	H
2.445	48.03	PK	32.4	-29.8	0	50.63	-	-	68.2	-17.57	0-360	201	H
* 5.087	40.22	PK	34.4	-18.7	0	55.92	-	-	74	-18.08	0-360	201	V
* 5.087	34.10	AD1	34.4	-18.6	.2	50.10	54	-3.90	-	-	102	117	V
5.626	41.7	PK	35.1	-18.2	0	58.6	-	-	68.2	-9.6	0-360	100	V
* 7.401	39.59	PK	35.9	-25.8	0	49.69	-	-	68.2	-18.51	0-360	100	H
* 7.401	38.34	PK	35.9	-25.8	0	48.44	-	-	68.2	-19.76	0-360	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 134 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fltr/Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.189	47.92	PK	28.4	-32.6	0	43.72	54	-10.28	74	-30.28	0-360	100	H
* 1.189	50.43	PK	28.4	-32.6	0	46.23	54	-7.77	74	-27.77	0-360	201	V
2.46	52.97	PK	32.4	-30.5	0	54.87	-	-	68.2	-13.33	0-360	100	H
* 2.783	43.95	PK	32.9	-29.8	0	47.05	54	-6.95	74	-26.95	0-360	100	H
* 2.784	49.75	PK	32.9	-29.9	0	52.75	-	-	74	-21.25	0-360	100	V
* 2.784	38.42	AD1	32.9	-29.9	.1	41.52	53.97	-12.45	-	-	285	108	V
2.979	47.03	PK	33.1	-29.4	0	50.73	-	-	68.2	-17.47	0-360	100	V
* 3.781	43.49	PK	33.8	-29.3	0	47.99	-	-	74	-26.01	0-360	100	V
* 3.78	38.35	AD1	33.8	-29.3	.1	42.95	53.97	-11.02	-	-	326	356	V
* 4.788	42.03	PK	34.4	-27.2	0	49.23	-	-	74	-24.77	0-360	201	H
* 4.788	31.04	AD1	34.4	-27.2	.1	38.34	53.97	-15.63	-	-	5	173	H
* 4.795	43.54	PK	34.4	-27.3	0	50.64	-	-	74	-23.36	0-360	100	V
* 4.792	29.79	AD1	34.4	-27.3	.1	36.99	53.97	-16.98	-	-	347	114	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.31. 802.11ac 40MHz 3TX CDD, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.545	48.8	PK	34.9	-20.9	0	62.8	-	-	68.2	-5.4	0-360	101	V
5.552	42.54	PK	34.9	-20.8	0	56.64	-	-	68.2	-11.56	0-360	101	H
5.628	41.54	PK	35.1	-21	0	55.64	-	-	68.2	-12.56	0-360	101	H
5.636	46.27	PK	35.1	-21	0	60.37	-	-	68.2	-7.83	0-360	101	V
5.796	46.24	PK	35.5	-21.3	0	60.44	-	-	68.2	-7.76	0-360	101	V
5.798	41.34	PK	35.5	-21.3	o	55.54	-	-	68.2	-12.66	0-360	101	H
5.867	44.18	PK	35.6	-20.8	0	58.98	-	-	68.2	-9.22	0-360	101	H
5.884	48.31	PK	35.6	-20.5	0	63.41	-	-	68.2	-4.79	0-360	101	V

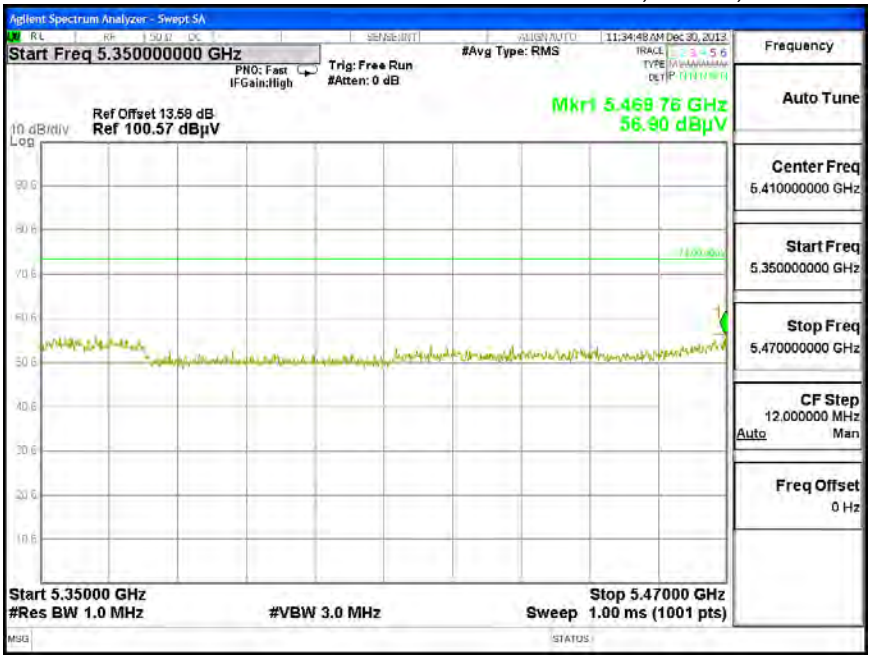
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

9.2.32. 802.11n HT40 3TX SDM MODE IN THE 5.6 GHz BAND

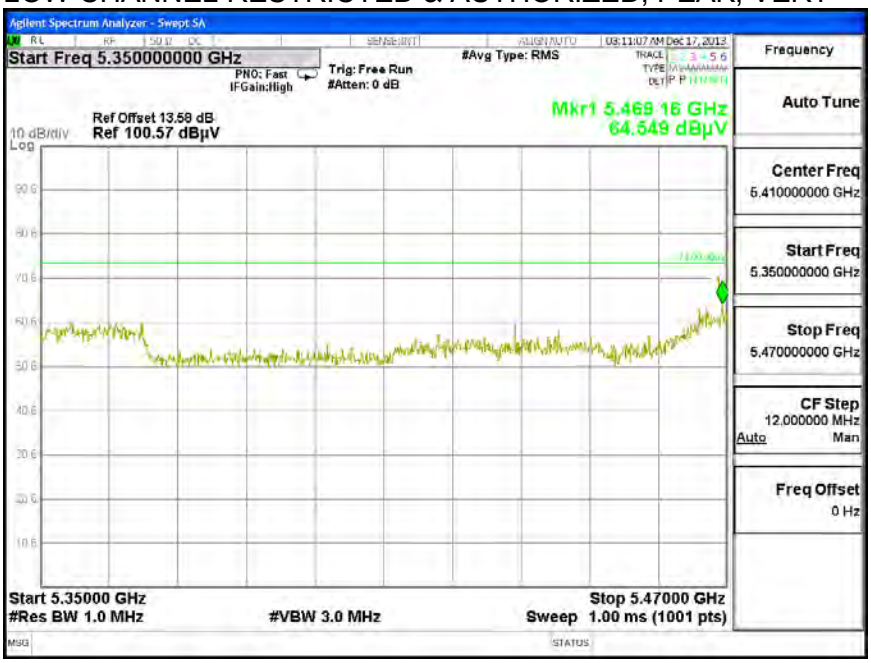
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 102)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ

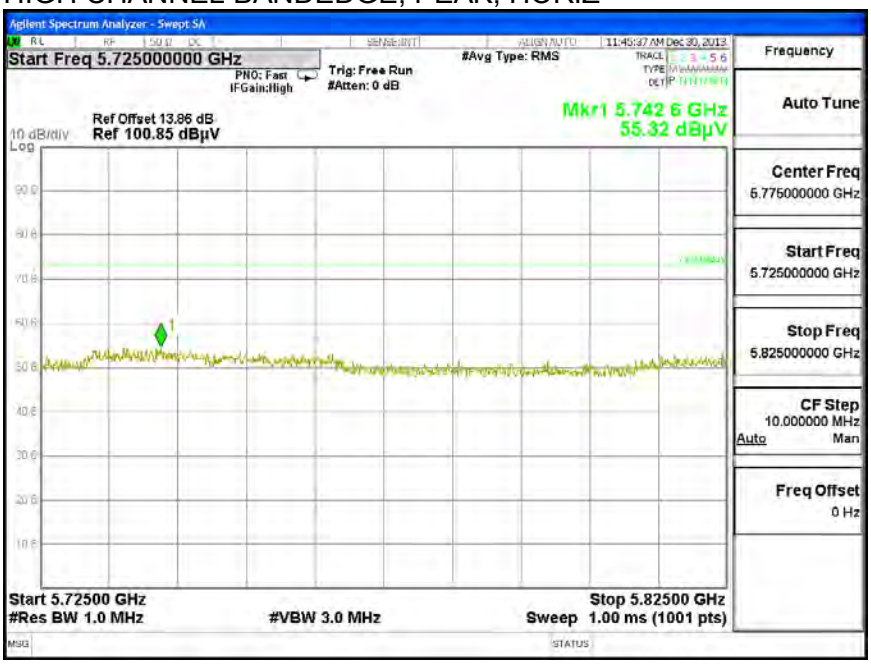
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

AUTHORIZED BANDEDGE (HIGH CHANNEL, CH 134)

HIGH CHANNEL BANDEDGE, PEAK, HORIZ



HIGH CHANNEL BANDEDGE, AVERAGE, HORIZ

HIGH CHANNEL BANDEDGE, PEAK, VERT

HIGH CHANNEL BANDEDGE, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 102 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	52.27	PK	32.4	-30.3	0	54.37	-	-	68.2	-13.83	0-360	201	H
* 2.786	42.93	PK	32.9	-29.1	0	46.73	54	-7.27	74	-27.27	0-360	100	H
* 4.79	41.89	PK	34.4	-26.9	0	49.39	-	-	74	-24.61	0-360	201	H
* 4.79	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
2.501	49.78	PK	32.4	-30.3	0	51.88	-	-	68.2	-16.21	0-360	201	V
2.59	44.87	PK	32.6	-30.2	0	47.27	-	-	68.2	-20.93	0-360	100	V
2.625	46.74	PK	32.7	-30.4	0	49.04	-	-	68.2	-19.16	0-360	201	V
* 2.777	49.29	PK	32.9	-29.2	0	52.99	-	-	74	-21.01	0-360	100	V
* 2.777	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.967	47.5	PK	33.1	-29.4	0	51.2	-	-	68.2	-17.00	0-360	100	V
* 4.758	41.97	PK	34.4	-27.3	0	49.07	-	-	74	-24.93	0-360	100	V
* 4.758	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
5.342	43.22	PK	34.7	-18	0	59.92	-	-	68.2	-8.28	0-360	100	V
5.679	45.45	PK	35.2	-17.4	0	63.25	-	-	68.2	-4.95	0-360	100	V
* 7.347	40.32	PK	35.9	-25.7	0	50.52	-	-	74	-23.48	0-360	100	V
* 7.347	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 110 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.501	50.28	PK	28.2	-31.6	0	46.88	54	-7.12	74	-27.12	0-360	201	H
2.501	51.79	PK	32.4	-30.3	0	53.89	-	-	68.2	-14.31	0-360	201	H
* 2.788	42.88	PK	32.9	-29.1	0	46.68	54	-7.32	74	-27.32	0-360	100	H
* 4.797	41.76	PK	34.4	-26.9	0	49.26	-	-	74	-24.74	0-360	100	H
* 4.797	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
2	46.07	PK	31.7	-30.6	0	47.17	-	-	68.2	-21.03	0-360	100	V
2.501	49.75	PK	32.4	-30.3	0	51.85	-	-	68.2	-16.35	0-360	201	V
2.625	48.07	PK	32.7	-30.4	0	50.37	-	-	68.2	-17.83	0-360	201	V
* 2.785	47.79	PK	32.9	-29.1	0	51.59	-	-	74	-22.41	0-360	100	V
* 2.785	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.982	48.13	PK	33.1	-29.1	0	52.13	-	-	68.2	-16.07	0-360	100	V
* 4.785	42.13	PK	34.4	-27	0	49.53	-	-	74	-24.47	0-360	100	V
* 4.785	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
* 5.394	44.87	PK	34.8	-18.2	0	61.47	-	-	74	-12.53	0-360	100	V
* 5.394	36.44	AD1	34.8	-18.2	.3	53.34	54	-0.66	-	-	229	130	V
5.475	48.16	PK	34.8	-17.9	0	65.06	-	-	68.2	-3.14	0-360	201	V
5.639	47.83	PK	35.1	-17.6	0	65.33	-	-	68.2	-2.87	0-360	100	V
5.714	46.98	PK	35.2	-17.5	0	64.68	-	-	68.2	-3.52	0-360	100	V
6.475	39.46	PK	35.8	-25.8	0	49.46	-	-	68.2	-18.74	0-360	100	V
* 7.4	40.19	PK	35.9	-25.2	0	50.89	-	-	74	-23.11	0-360	100	V
* 7.4	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V
* 11.1	36.53	PK	38.4	-21.9	0	53.03	-	-	74	-20.97	0-360	100	V
* 11.1	30.14	AD1	38.4	-21.9	.3	46.94	54	-7.06	-	-	288	105	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

CH 134 DATA

Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.501	52.36	PK	32.4	-30.3	0	54.46	-	-	68.2	-13.74	0-360	201	H
2.584	49.07	PK	32.6	-30.3	0	51.37	-	-	68.2	-16.83	0-360	100	H
* 2.78	42.37	PK	32.9	-29.2	0	46.07	54	-7.93	74	-27.93	0-360	100	H
* 3.781	40.07	PK	33.8	-28.8	0	45.07	54	-8.93	74	-28.93	0-360	100	H
* 4.777	41.78	PK	34.4	-27	0	49.18	-	-	74	-24.82	0-360	201	H
* 4.777	31.1	AD1	34.4	-27.2	.3	38.6	54	-15.40	-	-	30	251	H
1.88	46.2	PK	30.9	-30.6	0	46.5	-	-	68.2	-21.7	0-360	201	V
2.501	49.48	PK	32.4	-30.3	0	51.58	-	-	68.2	-16.62	0-360	201	V
2.588	47.63	PK	32.6	-30.3	0	49.93	-	-	68.2	-18.27	0-360	100	V
* 2.781	49.73	PK	32.9	-29.2	0	53.43	-	-	74	-20.57	0-360	100	V
* 2.781	31.35	AD1	32.9	-29.2	.3	35.35	54	-18.65	-	-	122	286	V
2.995	46.84	PK	33.1	-28.6	0	51.34	-	-	68.2	-16.86	0-360	100	V
* 3.792	42.94	PK	33.8	-28.9	0	47.84	-	-	74	-26.16	0-360	100	V
* 4.376	42.57	PK	34.1	-27.9	0	48.77	-	-	74	-25.23	0-360	201	V
* 4.376	38.19	AD1	34	-27.9	.3	44.59	54	-9.41	-	-	354	279	V
* 4.784	42.76	PK	34.4	-27	0	50.16	-	-	74	-23.84	0-360	100	V
* 4.784	31.24	AD1	34.4	-27	.3	38.94	54	-15.06	-	-	310	342	V
5.505	43.56	PK	34.8	-18	0	60.36	-	-	68.2	-7.84	0-360	100	V
5.587	44.71	PK	35	-18	0	61.71	-	-	68.2	-6.49	0-360	100	V
5.753	44.25	PK	35.3	-17.7	0	61.85	-	-	68.2	-6.35	0-360	201	V
5.822	43.52	PK	35.4	-17.5	0	61.42	-	-	68.2	-6.78	0-360	100	V
* 7.56	39.11	PK	35.9	-25.2	0	49.81	-	-	74	-24.19	0-360	201	V
* 7.56	35.55	AD1	35.9	-25.7	.3	46.05	54	-7.95	-	-	268	332	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.2.33. 802.11ac 40MHz 3TX SDM, CHANNEL 142, IN THE 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

CH 142 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/ 10dB Pad	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5.545	44.24	PK	34.9	-20.9	0	58.24	-	-	68.2	-9.96	0-360	101	H
5.548	47.63	PK	34.9	-20.8	0	61.73	-	-	68.2	-6.47	0-360	101	V
5.627	41.83	PK	35.1	-21	0	55.93	-	-	68.2	-12.27	0-360	101	H
5.635	46.47	PK	35.1	-21	0	60.57	-	-	68.2	-7.63	0-360	101	V
5.78	47.66	PK	35.4	-21.4	0	61.66	-	-	68.2	-6.54	0-360	101	V
5.787	42.53	PK	35.5	-21.4	0	56.63	-	-	68.2	-11.57	0-360	101	H
5.868	43.12	PK	35.6	-20.8	0	57.92	-	-	68.2	-10.28	0-360	101	H
5.874	46.82	PK	35.6	-20.6	0	61.82	-	-	68.2	-6.38	0-360	200	V

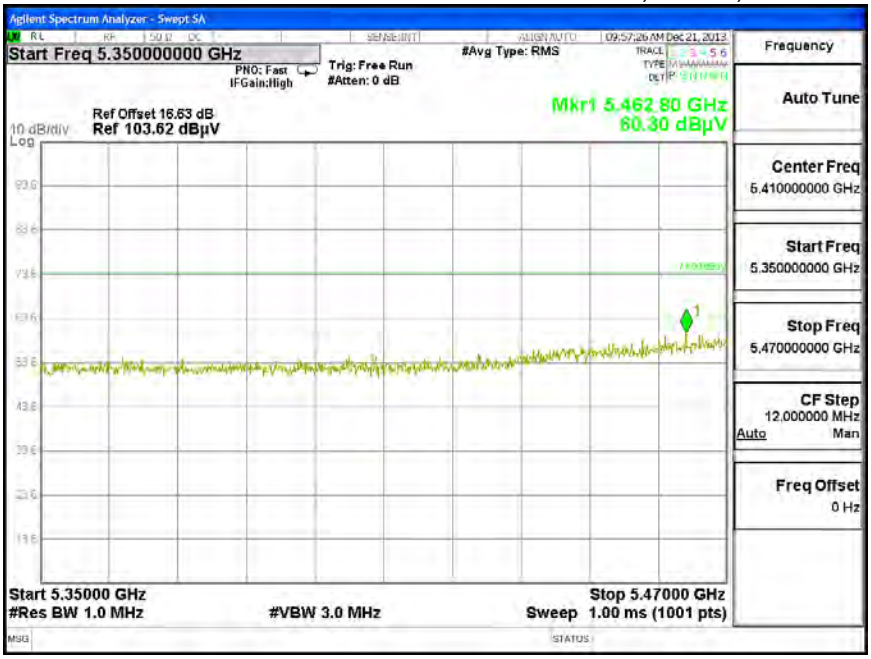
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

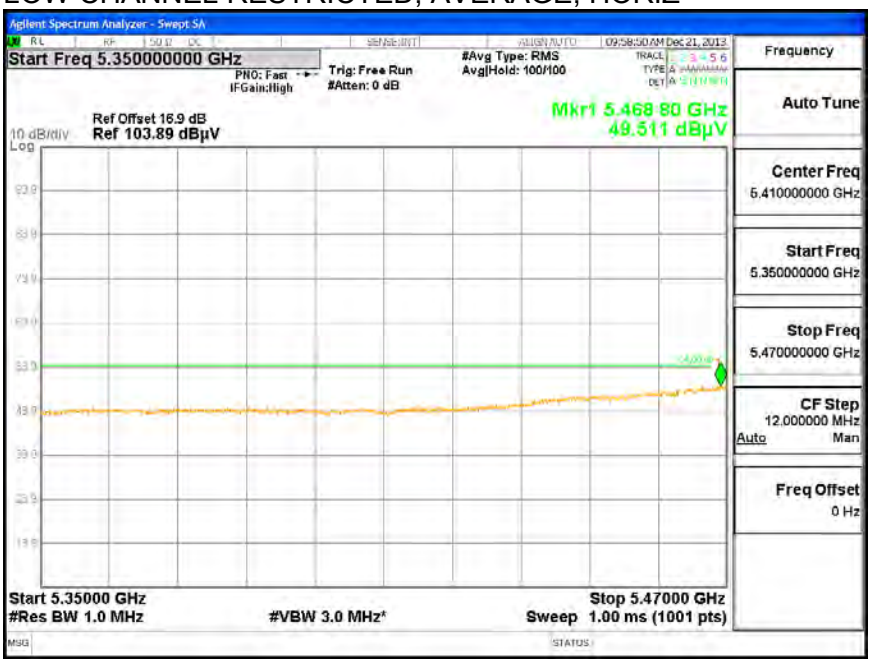
9.2.34. 802.11ac 80MHz 1TX SISO MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, 106)

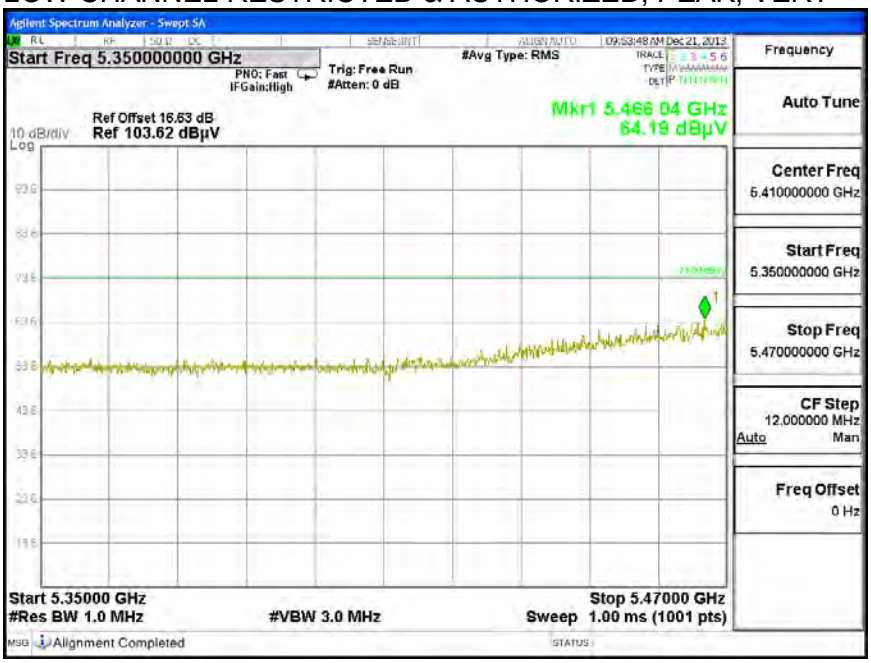
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



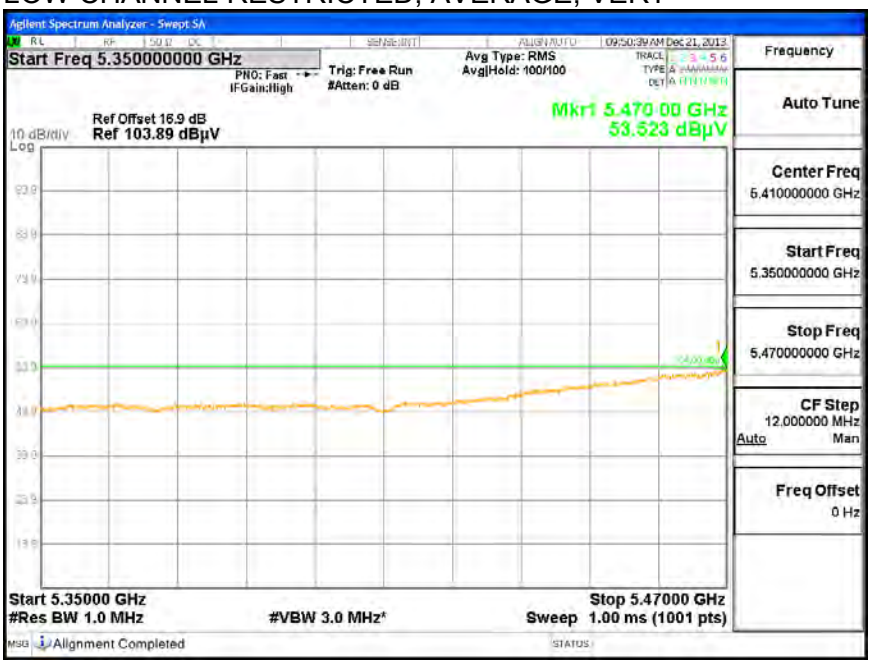
LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT



HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.917	40	PK	34	-27.3	0	46.7	54	-7.3	74	-27.3	0-360	199	H
2.983	47.36	PK	33.1	-30.2	0	50.26	-	-	68.2	-16.94	0-360	101	V
* 4.916	41.95	PK	34	-27.3	0	48.65	-	-	74	-25.35	0-360	101	V
* 4.916	36.36	AD1	34	-27.3	0.3	43.06	54	-10.94	-	-	99	103	V
6.145	40.69	PK	35.4	-18.8	0	57.29	-	-	74	-16.71	0-360	101	V
* 1.261	42.61	PK	29.7	-32.1	0	40.21	-	-	74	-33.79	0-360	101	H
* 1.257	42.26	PK	29.7	-32.1	0	39.86	-	-	74	-34.14	0-360	201	V

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.058	43.39	PK	34.1	-26.5	0	50.99	54	-3.01	74	-23.01	0-360	201	V
* 5.138	42.86	PK	34.2	-18.9	0	58.16	-	-	74	-15.84	0-360	101	V
* 5.136	32.31	AD1	34.2	-18.9	.3	47.91	54	-6.09	-	-	172	397	V
* 1.257	43.74	PK	29.7	-32.1	0	41.34	54	-12.66	74	-32.66	0-360	101	H
* 7.454	38.63	PK	35.8	-26.1	0	48.33	54	-5.67	74	-25.67	0-360	101	H
* 1.388	47.9	PK	29.3	-31.8	0	45.4	54	-8.6	74	-28.6	0-360	101	H
6.877	38.51	PK	35.7	-26.8	0	47.41	-	-	68.2	-20.79	0-360	201	V

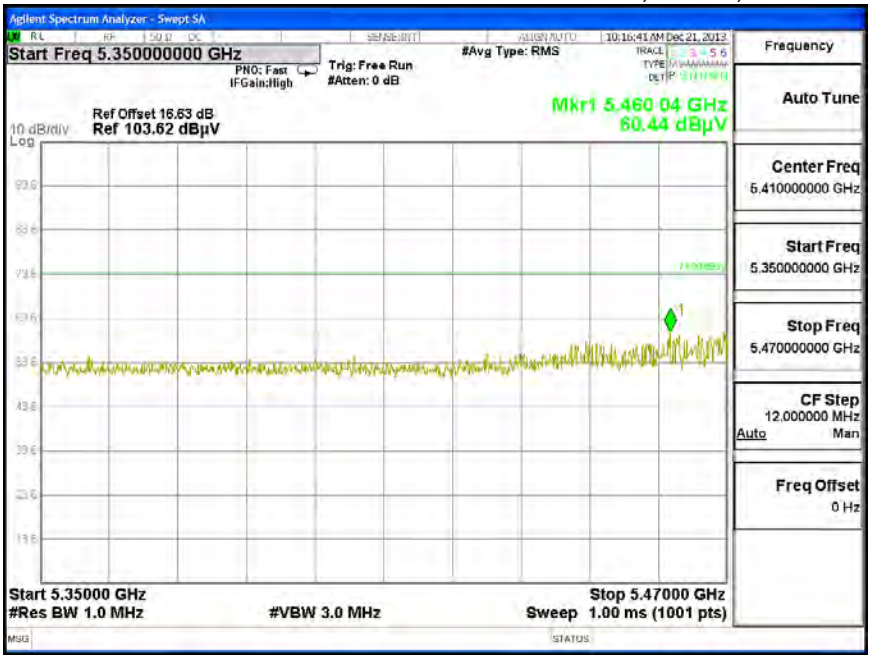
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

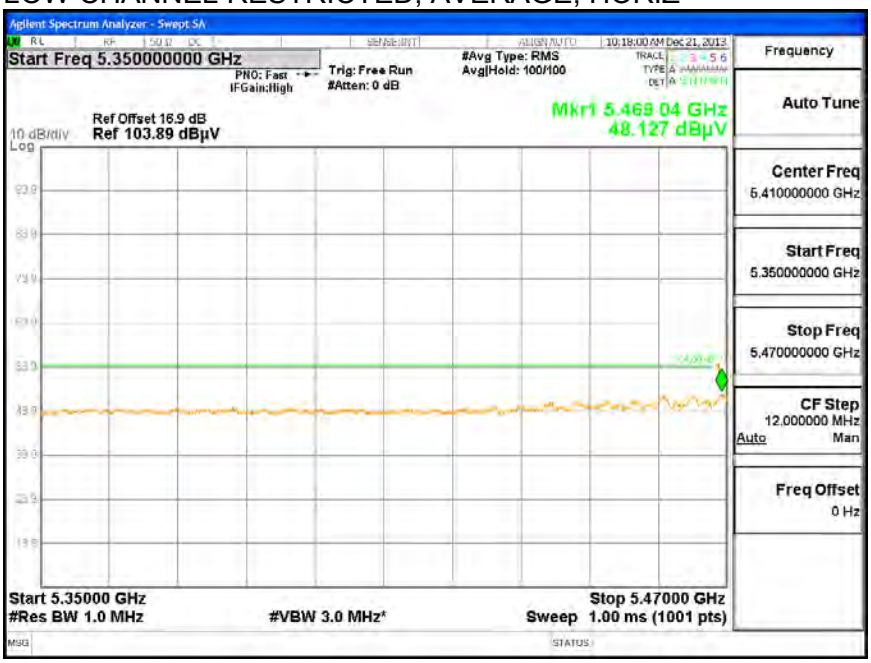
9.2.35. 802.11ac 80MHz 3TX CDD MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 106)

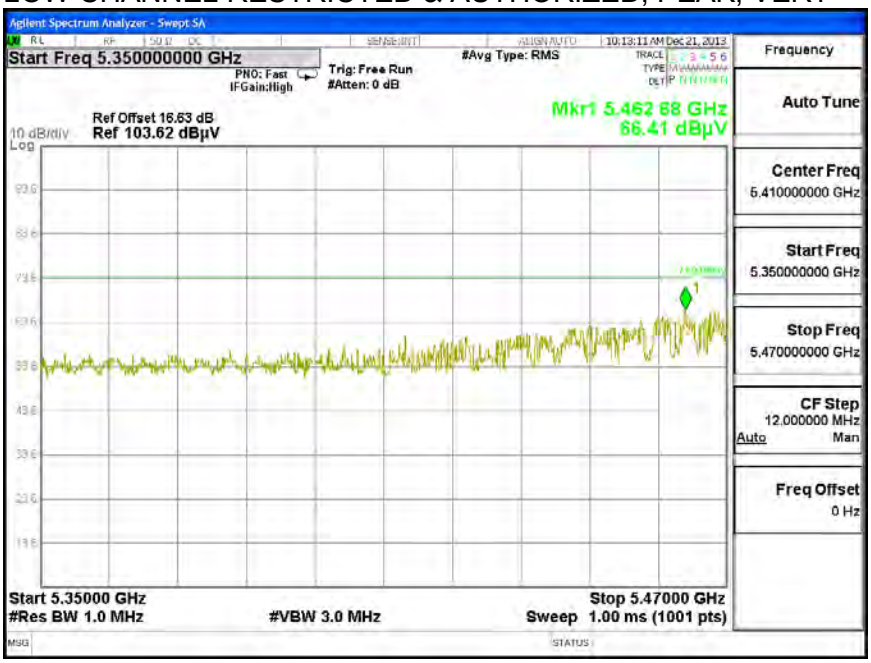
LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT



LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.588	46.85	PK	32.6	-30.2	0	49.25	-	-	68.2	-18.95	0-360	101	H
* 1.194	51.27	PK	29.1	-32.3	0	48.07	54	-5.93	74	-25.93	0-360	101	V
* 2.782	47.36	PK	32.7	-30.3	0	49.76	54	-4.24	74	-24.24	0-360	101	V
2.983	48.36	PK	33.1	-30.2	0	51.26	-	-	68.2	-16.94	0-360	101	V
* 4.916	44.15	PK	34	-27.3	0	50.85	54	-3.15	74	-23.15	0-360	101	V
6.145	42.56	PK	35.4	-18.8	0	59.16	-	-	68.2	-9.04	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.058	45.12	PK	34.1	-26.5	0	52.72	-	-	74	-21.28	0-360	201	V
* 5.058	43.21	AD1	34.1	-26.5	0.3	50.81	54	-3.19	-	-	161	184	V
* 5.059	42.47	PK	34.1	-26.5	0	50.07	-	-	74	-23.93	0-360	199	H
* 5.058	36.84	AD1	34.1	-26.5	0.3	44.44	54	-9.56	-	-	249	255	H
6.323	42.1	PK	35.6	-26.4	0	51.3	-	-	68.2	-16.9	0-360	101	V
* 7.587	38.46	PK	35.9	-25.2	0	49.16	-	-	74	-24.84	0-360	201	V
* 7.587	33.35	AD1	35.9	-25.2	0.3	44.05	54	-9.95	-	-	312	100	V
* 3.794	44.49	PK	33.6	-29.4	0	48.69	54	-5.31	74	-25.31	0-360	101	V
* 2.795	49.61	PK	32.7	-30.2	0	52.11	-	-	74	-21.89	0-360	101	V
* 2.794	31.35	AD1	32.9	-29.2	0.3	35.35	54	-18.65	-	-	122	286	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

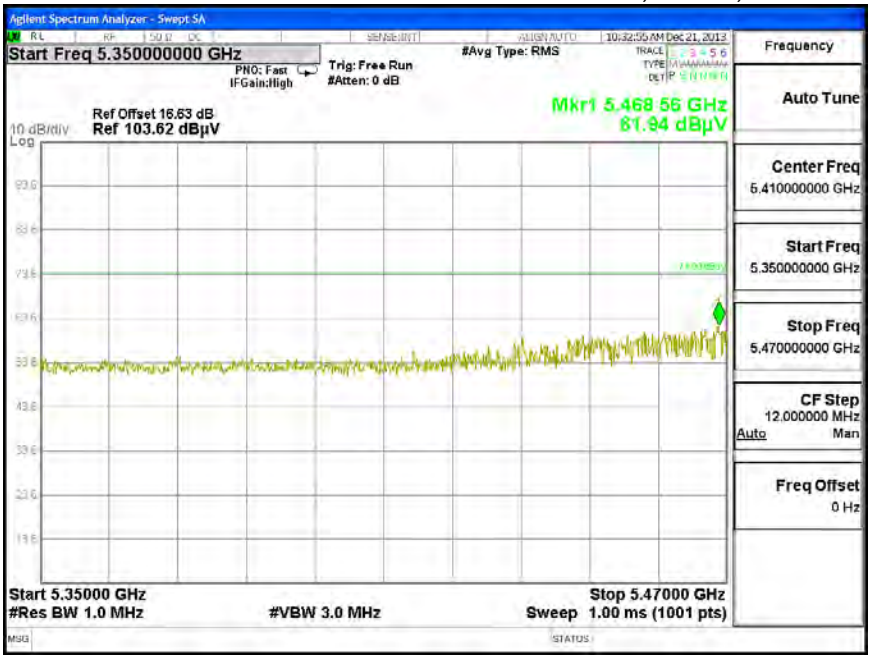
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

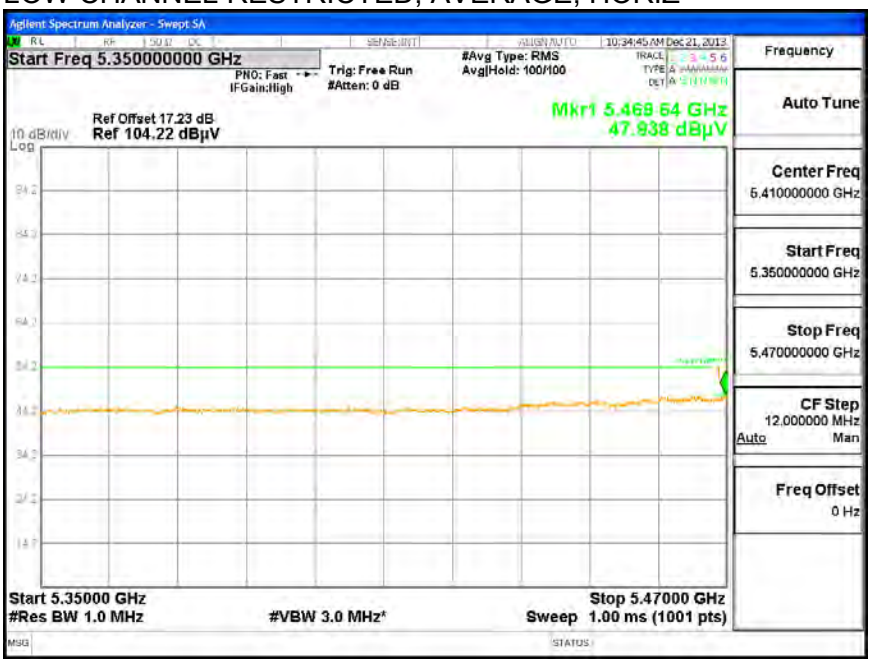
9.2.36. 802.11ac 80MHz 3TX SDM MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, CH 106)

LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, HORIZ



LOW CHANNEL RESTRICTED, AVERAGE, HORIZ



LOW CHANNEL RESTRICTED & AUTHORIZED, PEAK, VERT

LOW CHANNEL RESTRICTED, AVERAGE, VERT

HARMONICS AND SPURIOUS EMISSIONS

CH 106 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.794	44.49	PK	33.6	-29.4	0	48.69	54	-5.31	74	-25.31	0-360	101	V
6.145	41.46	PK	35.4	-18.8	0	58.06	-	-	68.2	-10.14	0-360	101	V
* 7.374	41.75	PK	35.7	-26.7	0	50.75	-	-	74	-23.25	0-360	101	V
* 7.374	39.86	AD1	35.7	-26.7	0.6	48.86	54	-5.14	-	-	160	312	V
* 7.373	41.61	PK	35.7	-26.7	0	50.61	-	-	74	-23.39	0-360	200	H
* 7.373	36.83	AD1	35.7	-26.7	0.6	45.83	54	-8.17	-	-	83	275	H
* 4.916	42.47	PK	34	-27.3	0	49.17	-	-	74	-24.83	0-360	101	V
* 4.916	36.36	AD1	34	-27.3	0.6	43.06	54	-10.94	-	-	99	103	V
9.527	36	PK	37.2	-22.7	0	50.5	-	-	68.2	-17.7	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

CH 138 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/ 5GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 5.059	42.6	PK	34.1	-26.5	0	50.2	-	-	74	-23.8	0-360	200	H
* 5.059	37.39	AD1	34.1	-26.5	0.6	44.99	54	-9.01	-	-	341	268	H
* 5.059	46.19	PK	34.1	-26.5	0	53.79	-	-	74	-20.21	0-360	101	V
* 5.059	41.28	AD1	34.1	-26.5	0.6	48.88	54	-5.12	-	-	233	315	V
6.324	40.96	PK	35.6	-26.4	0	50.16	-	-	68.2	-18.04	0-360	101	H
6.323	44.79	PK	35.6	-26.4	0	53.99	-	-	68.2	-14.21	0-360	101	V
6.956	40.7	PK	35.7	-26.1	0	50.3	-	-	68.2	-17.9	0-360	201	V
* 7.587	38.74	PK	35.9	-25.2	0	49.44	-	-	68.2	-18.76	0-360	101	V
* 7.587	36.75	AD1	35.9	-25.2	0.6	47.45	54	-6.55	-	-	314	205	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

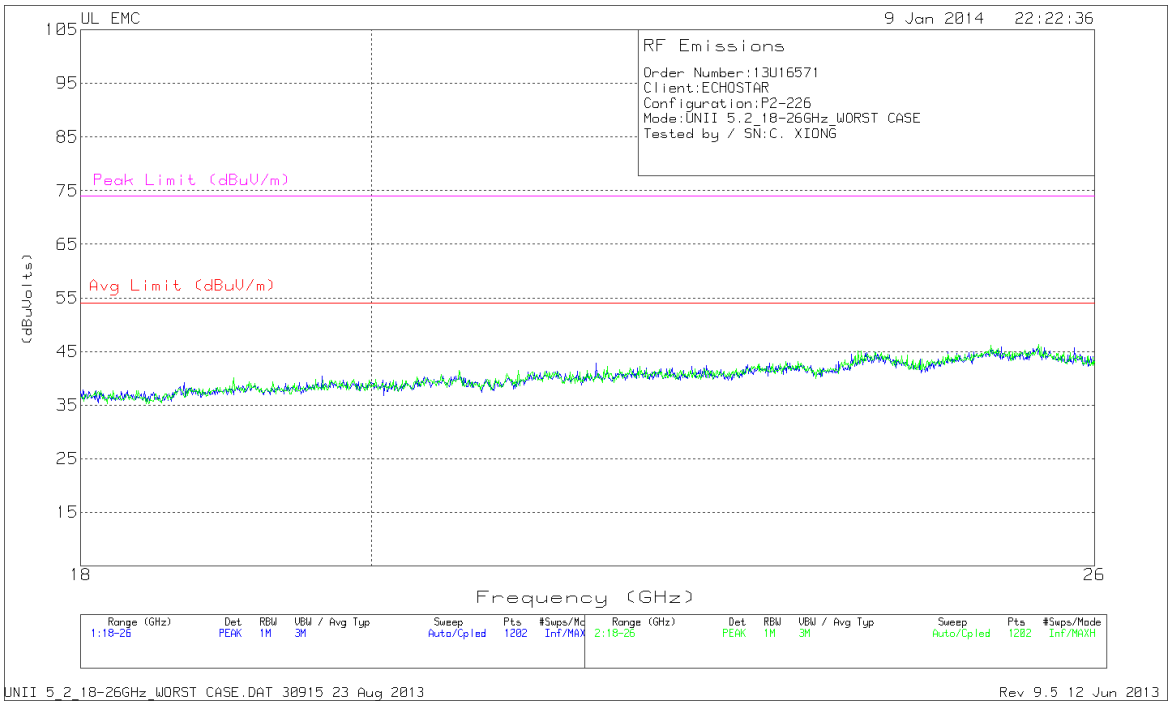
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

9.3. WORST-CASE ABOVE 18 GHz

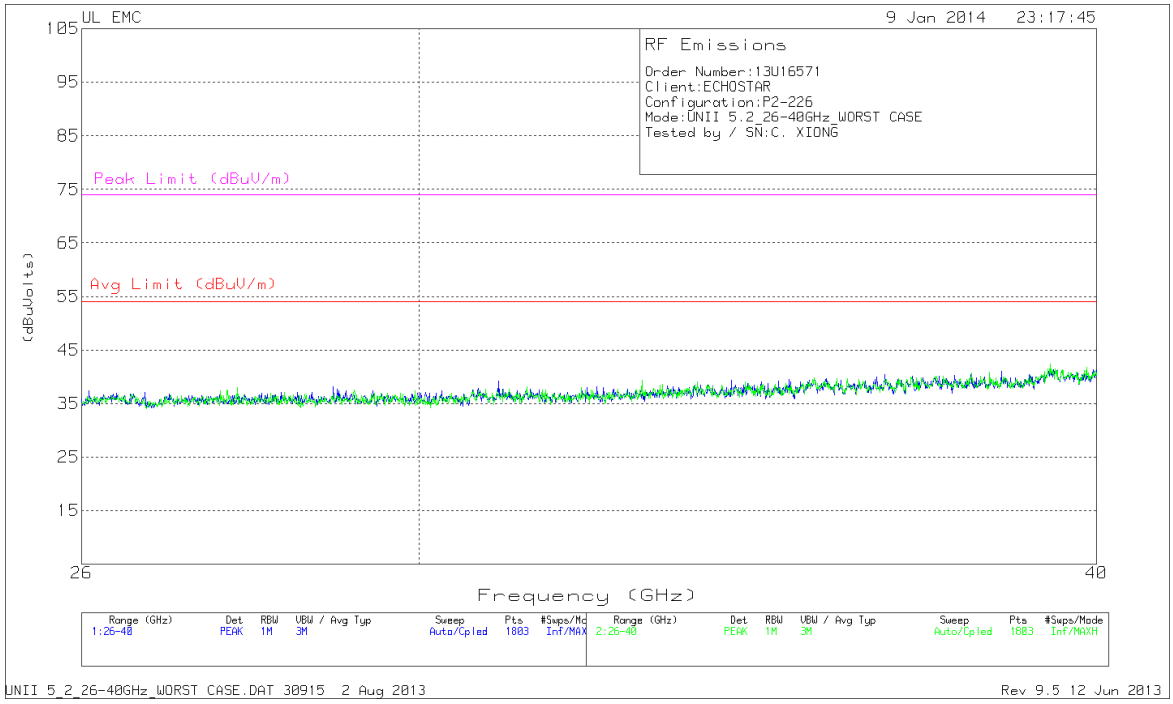
SPURIOUS EMISSIONS 18 TO 26 GHz (5.2GHz WORST-CASE CONFIGURATION)

5.2 GHz BAND HORIZONTAL AND VERTICAL



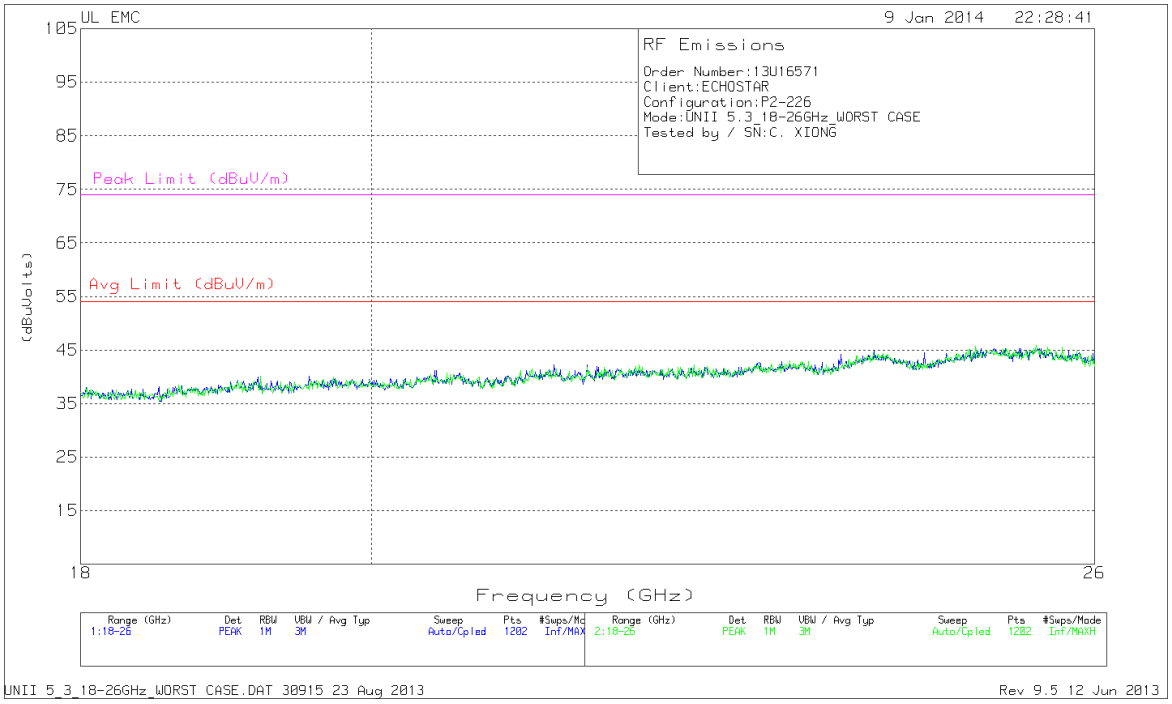
SPURIOUS EMISSIONS 26 TO 40 GHz (5.2GHz WORST-CASE CONFIGURATION)

5.2 GHz BAND HORIZONTAL AND VERTICAL



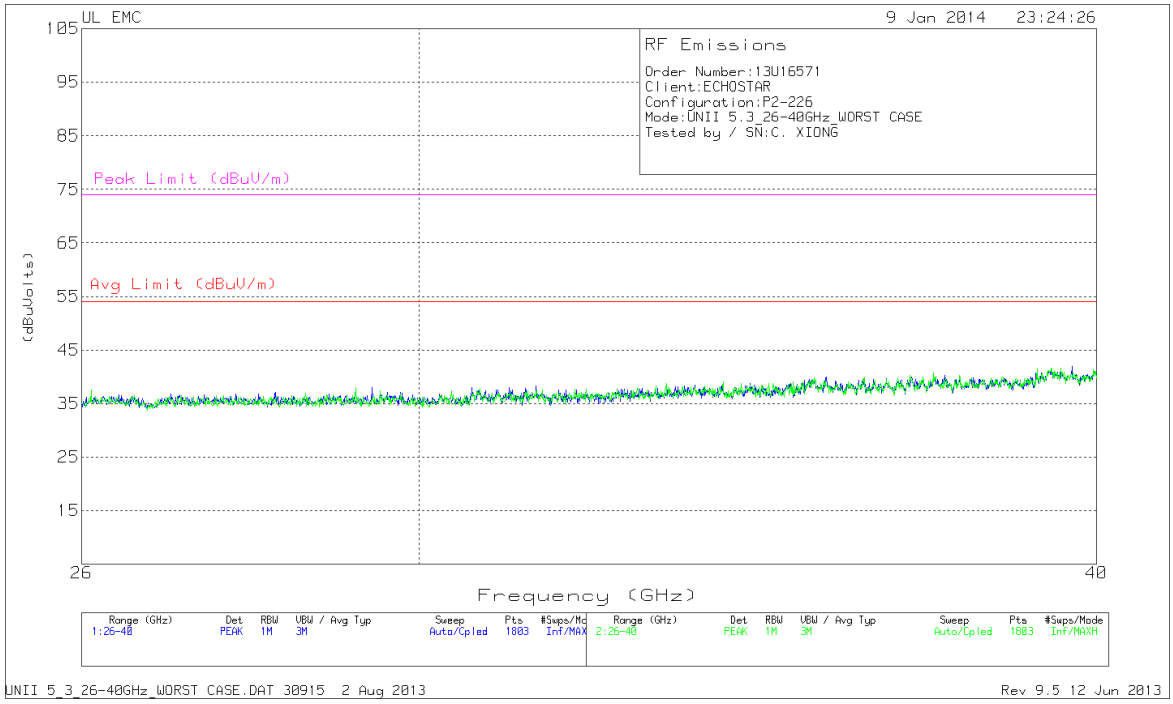
SPURIOUS EMISSIONS 18 TO 26 GHz (5.3GHz WORST-CASE CONFIGURATION)

5.3 GHz BAND HORIZONTAL AND VERTICAL



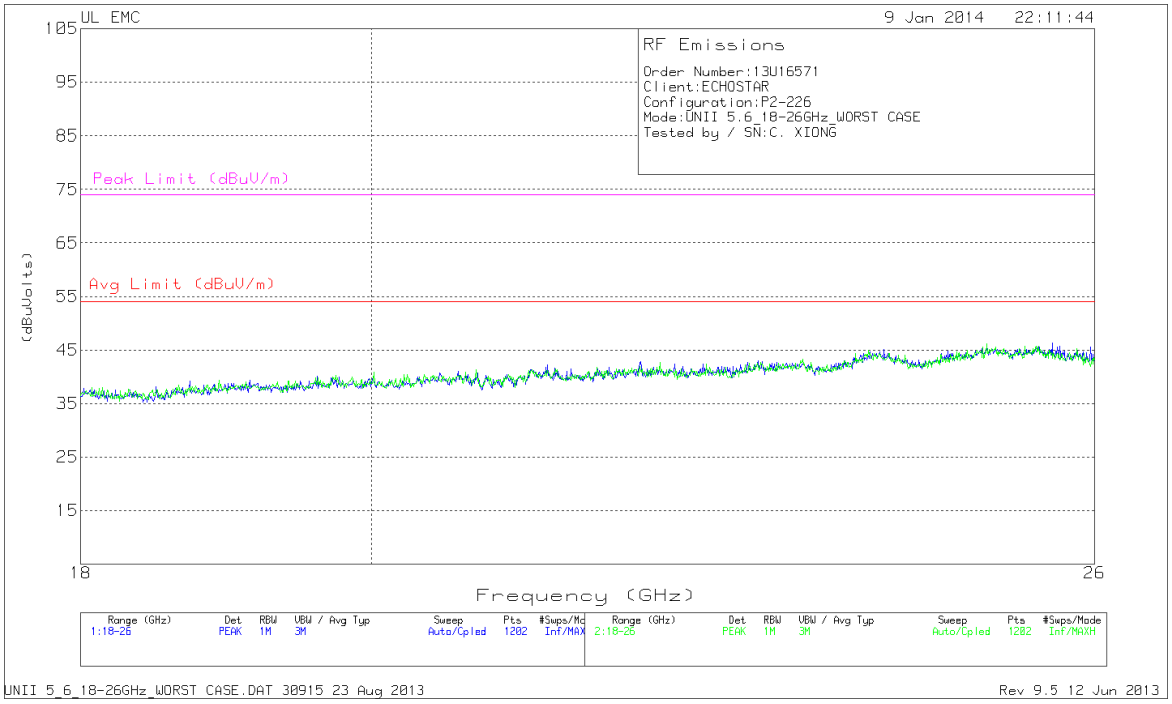
SPURIOUS EMISSIONS 26 TO 40 GHz (5.3GHz WORST-CASE CONFIGURATION)

5.3 GHz BAND HORIZONTAL AND VERTICAL



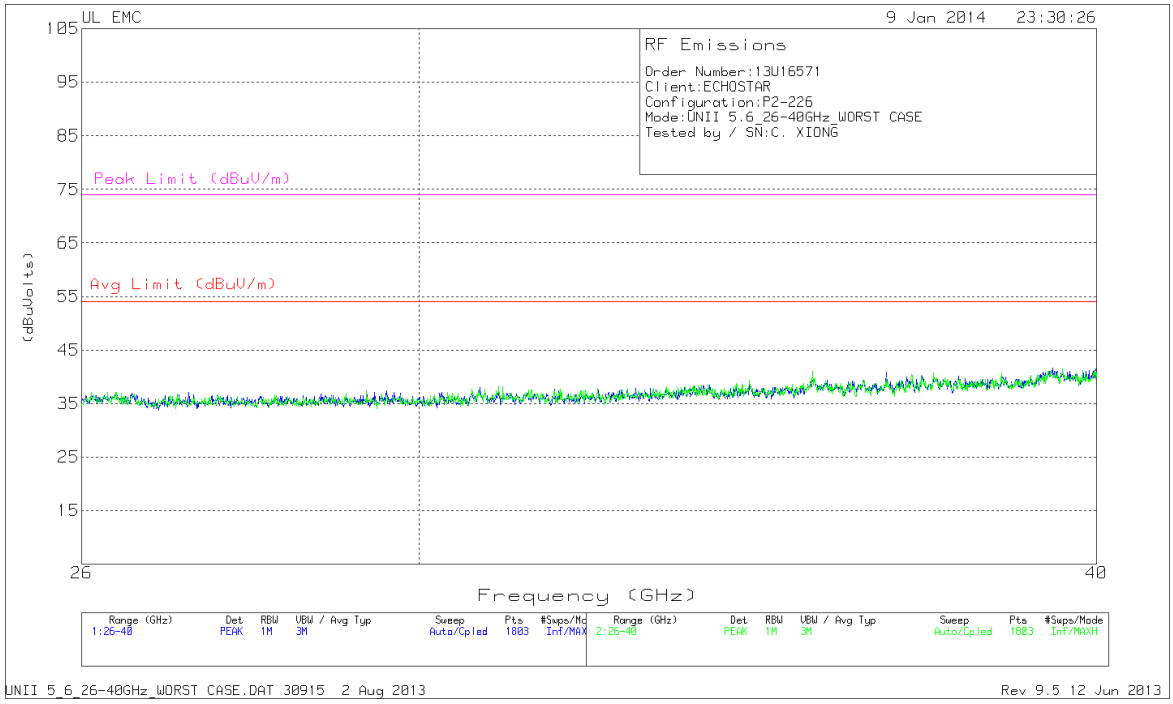
SPURIOUS EMISSIONS 18 TO 26 GHz (5.6GHz WORST-CASE CONFIGURATION)

5.6 GHz BAND HORIZONTAL AND VERTICAL



SPURIOUS EMISSIONS 26 TO 40 GHz (5.6GHz WORST-CASE CONFIGURATION)

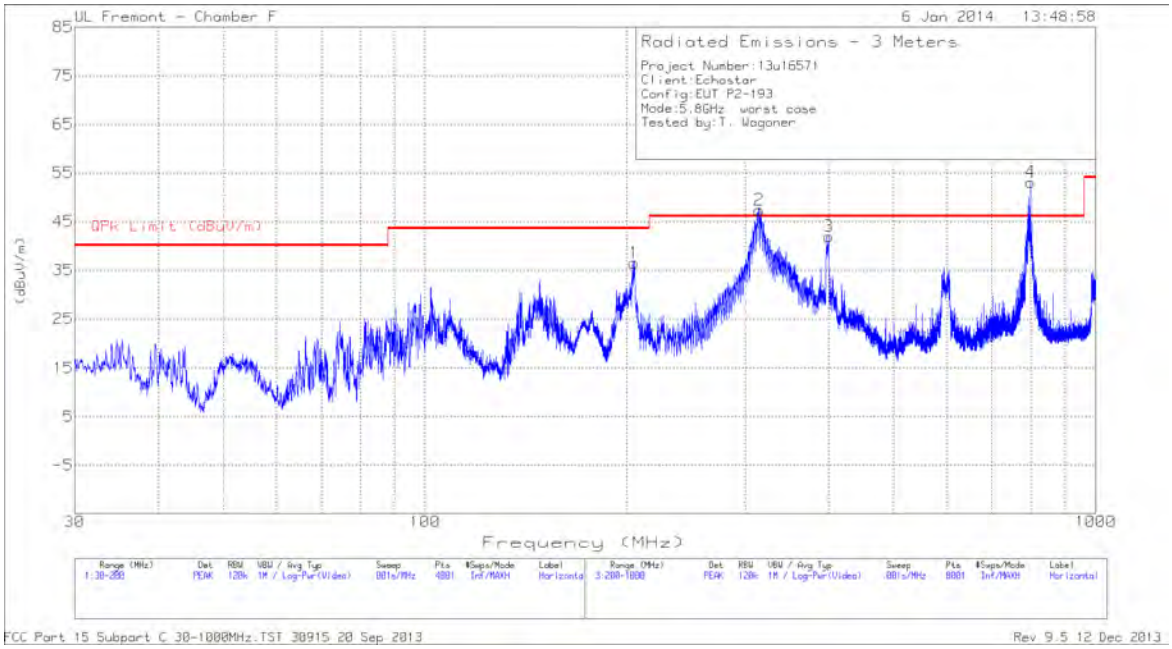
5.6 GHz BAND HORIZONTAL AND VERTICAL



9.4. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, 5.8GHz BAND)

HORIZONTAL PLOT



VERTICAL PLOT

DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T122 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	204.8	56.49	PK	11	-31	36.49	43.52	-7.03	0-360	100	H
2	314.7	51.88	QP	13.8	-30.7	34.98	46.02	-11.04	159	116	H
3	399.9	54.76	QP	15.5	-30.5	39.76	46.02	-6.26	203	102	H
4	799.9	52.24	QP	21.2	-29.6	43.84	46.02	-2.18	166	104	H
5	34.6325	47.94	PK	18	-32.1	33.84	40	-6.16	0-360	100	V
6	314.4	59.09	QP	13.7	-30.7	42.09	46.02	-3.93	159	116	V
7	799.767	43.79	QP	21.2	-29.6	35.39	46.02	-10.63	159	116	V

PK - Peak detector

QP - Quasi-Peak detector

10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

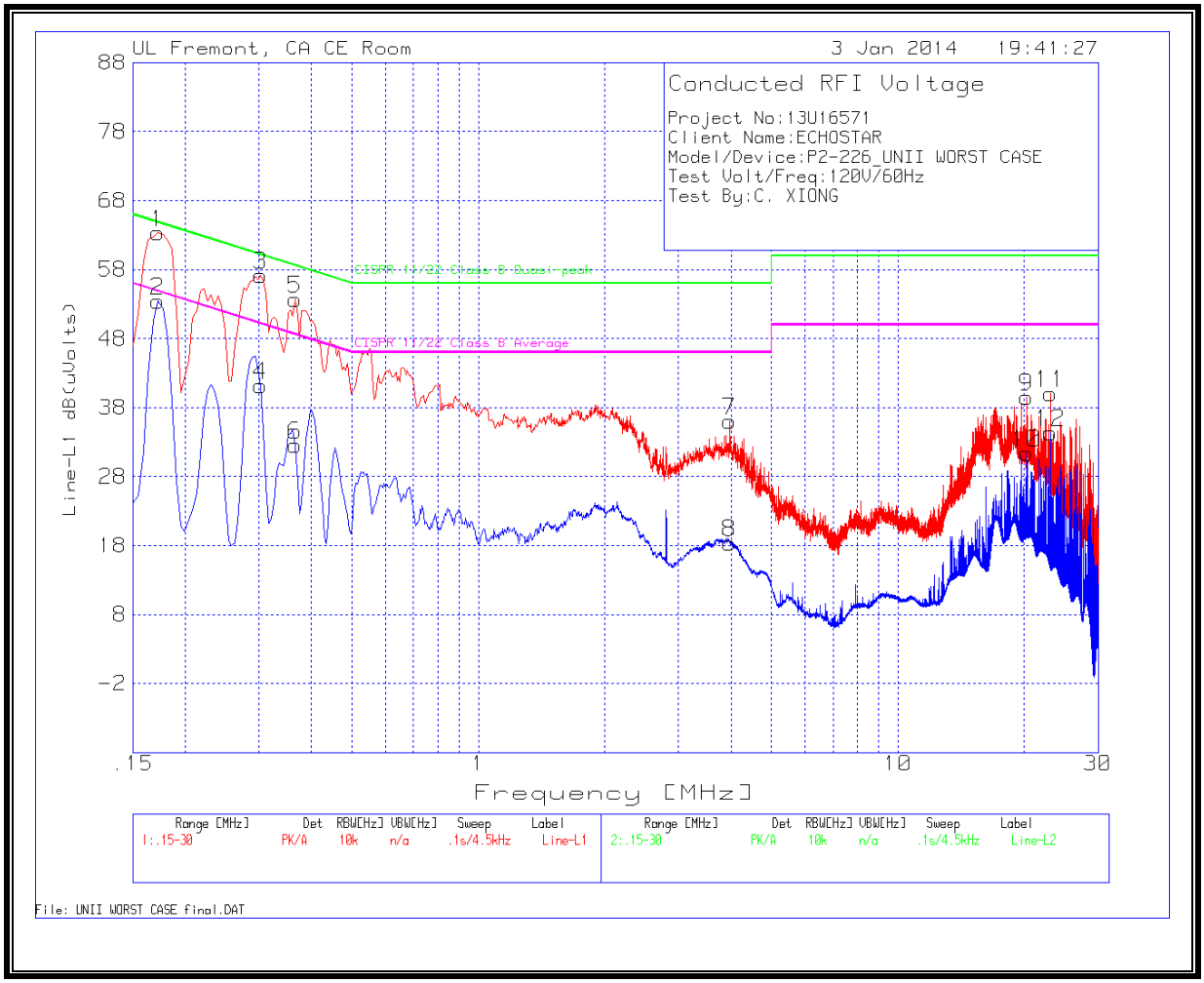
TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

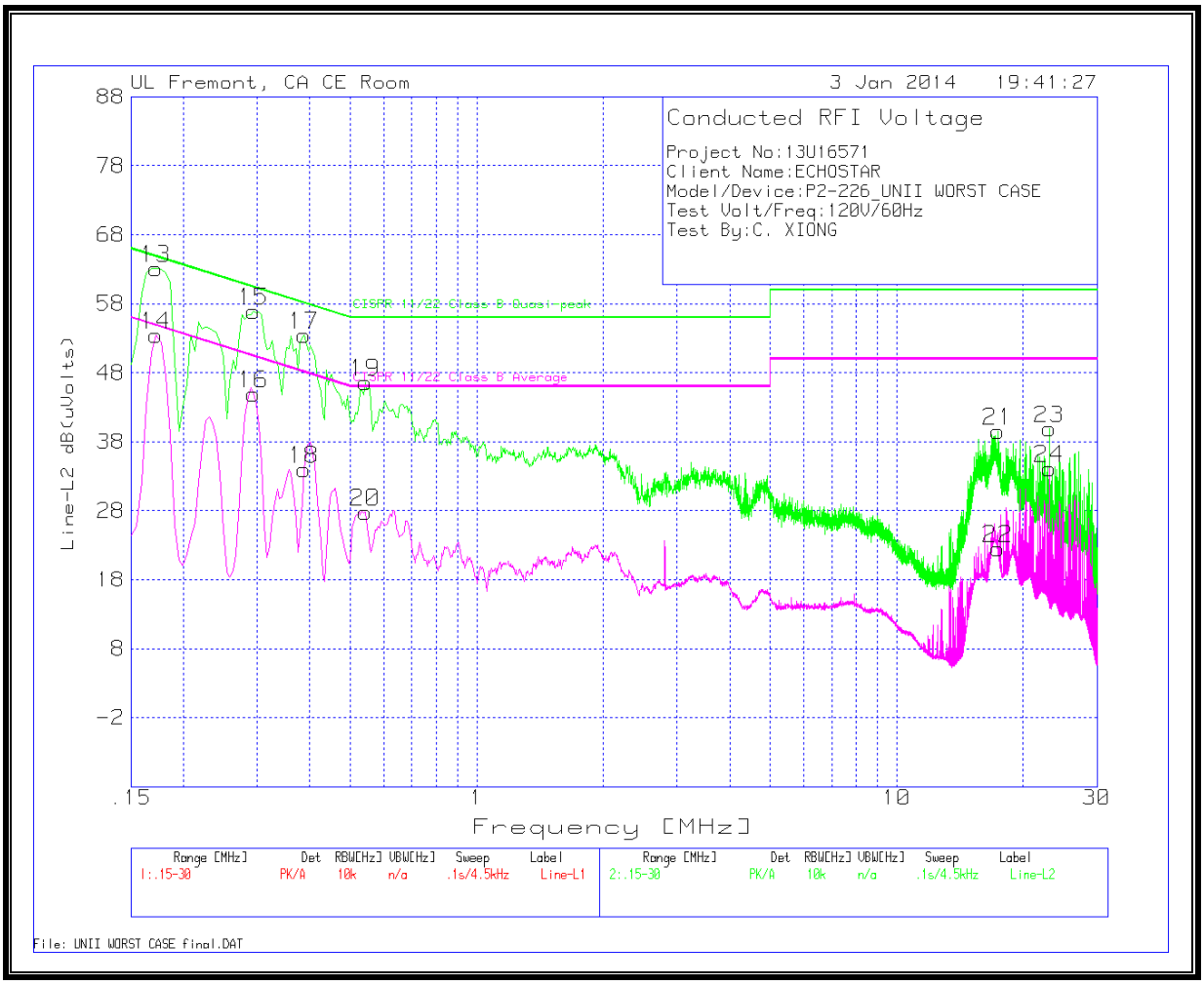
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

LINE 1 RESULTS



LINE 2 RESULTS



DATA SUMMARY

Line-L1 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
1	.1725	63.21	PK	.1	0	63.31	64.8	-1.49	-	-
2	.1725	53.31	Av	.1	0	53.41	-	-	54.8	-1.39
3	.303	57.09	PK	.1	0	57.19	60.2	-3.01	-	-
4	.303	41.09	Av	.1	0	41.19	-	-	50.2	-9.01
5	.366	53.6	PK	.1	0	53.7	58.6	-4.9	-	-
6	.366	32.42	Av	.1	0	32.52	-	-	48.6	-16.08
7	3.975	35.83	PK	.1	.1	36.03	56	-19.97	-	-
8	3.975	18.21	Av	.1	.1	18.41	-	-	46	-27.59
9	20.256	39.02	PK	.3	.2	39.52	60	-20.48	-	-
10	20.256	30.94	Av	.3	.2	31.44	-	-	50	-18.56
11	23.127	39.4	PK	.4	.2	40	60	-20	-	-
12	23.127	33.76	Av	.4	.2	34.36	-	-	50	-15.64

PK - Peak detector
Av - average detection

Line-L2 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dB(uVolts)	CISPR 11/22 Class B Quasi-peak	Margin to Limit (dB)	CISPR 11/22 Class B Average	Margin to Limit (dB)
13	.1725	63.06	PK	.1	0	63.16	64.8	-1.64	-	-
14	.1725	53.39	Av	.1	0	53.49	-	-	54.8	-1.31
15	.294	56.79	PK	.1	0	56.89	60.4	-3.51	-	-
16	.294	44.84	Av	.1	0	44.94	-	-	50.4	-5.46
17	.3885	53.39	PK	.1	0	53.49	58.1	-4.61	-	-
18	.3885	33.85	Av	.1	0	33.95	-	-	48.1	-14.15
19	.5415	46.51	PK	.1	0	46.61	56	-9.39	-	-
20	.5415	27.7	Av	.1	0	27.8	-	-	46	-18.2
21	17.4075	39.09	PK	.2	.2	39.49	60	-20.51	-	-
22	17.4075	22.07	Av	.2	.2	22.47	-	-	50	-27.53
23	23.127	39.25	PK	.4	.2	39.85	60	-20.15	-	-
24	23.127	33.48	Av	.4	.2	34.08	-	-	50	-15.92

PK - Peak detector
Av - average detection

11. DFS

11.1. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the DFS portion of FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 06-96, FCC KDB 789033, ANSI C63.10-2009, RSS-GEN Issue 8.

11.2. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

11.3. CALIBRATION AND UNCERTAINTY

11.3.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

11.3.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

11.3.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

11.4. DYNAMIC FREQUENCY SELECTION

11.4.1. OVERVIEW

11.4.1.1. LIMITS

INDUSTRY CANADA

IC RSS-210 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-210 Issue 7 A9.4 (b) (ii) **Channel Availability Check Time:** …

Additional requirements for the band 5600-5650 MHz: Until further notice, devices subject to this Section shall not be capable of transmitting in the band 5600-5650 MHz, so that Environment Canada weather radars operating in this band are protected.

FCC

§15.407 (h) and FCC 06-96 APPENDIX "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVCIES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION".

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Uniform Spreading	Yes	Not required	Not required

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client **(without DFS)**	Client **(with DFS)**
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see note)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 second period
The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows: For the Short pulse radar Test Signals this instant is the end of the *Burst*. For the Frequency Hopping radar Test Signal, this instant is the end of the last radar burst generated. For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission. The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate channel changes (an aggregate of approximately 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Table 6 – Long Pulse Radar Test Signal

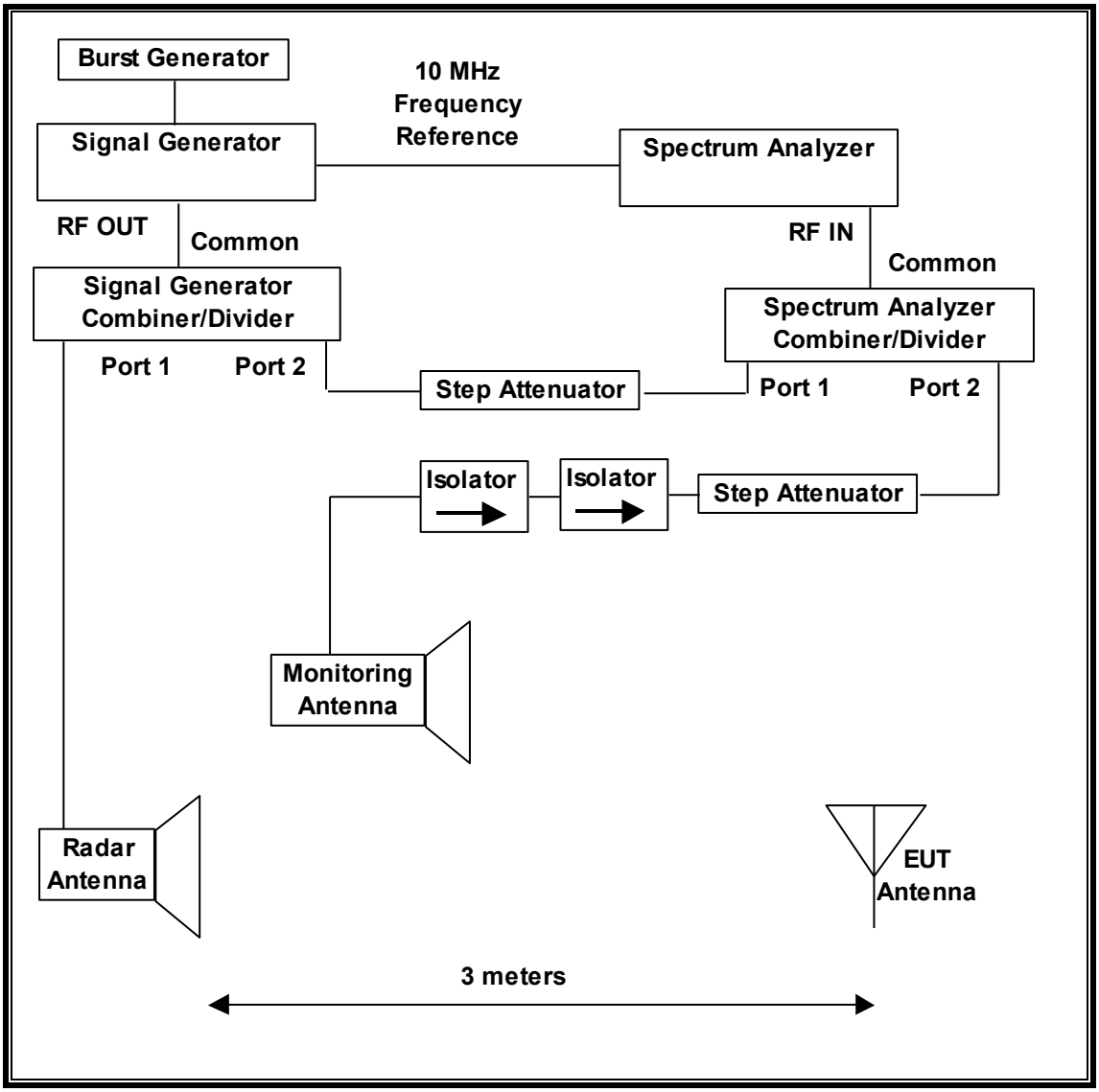
Radar Waveform	Bursts	Pulses per Burst	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Minimum Percentage of Successful Detection	Minimum Trials
5	8-20	1-3	50-100	5-20	1000-2000	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Waveform	Pulse Width (µsec)	PRI (µsec)	Burst Length (ms)	Pulses per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	.333	70%	30

11.4.1.2. TEST AND MEASUREMENT SYSTEM

RADIATED METHOD SYSTEM BLOCK DIAGRAM



SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Freqeuncy Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

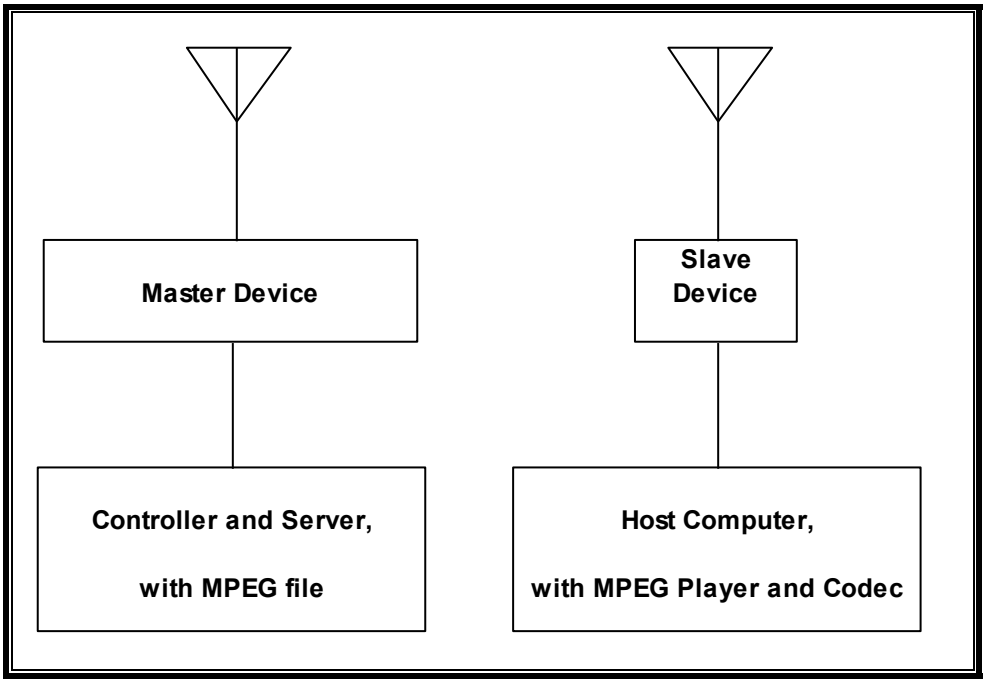
TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Wireless Access Point	Cisco	AIR-AP1252AG-A-K9	FTX120690N2	LDK102061
AC Adapter (AP)	Delta Electronics	EADP-45BB B	DTH112490BD	DoC
Notebook PC (Controller/Server)	Dell	PP18L	10657517725	DoC
AC Adapter (Controller/Server PC)	Dell	LA65SN0-00	CN-ODF263-71615-6AU-1019	DoC
Notebook PC (Controller/Client PC)	HP	8470P	CNU342CP7Y	ICEB-00
AC Adapter (Client PC)	HP	PA-1650-32HJ	WCNXA0C3U5IA7F	DoC
AC Adapter (EUT)	LITE ON	PB-1250-8ESI	ETC 1343000075	DoC

11.4.1.3. SETUP OF EUT

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Wireless Access Point (Master Device)	Cisco	AIR-AP1252AG-A-K9	FTX120690N2	LDK102061
AC Adapter (AP)	Delta Electronics	EADP-45BB B	DTH112490BD	DoC
Notebook PC (Controller/Server)	Dell	PP18L	10657517725	DoC
AC Adapter (Controller/Server PC)	Dell	LA65SN0-00	CN-ODF263-71615-6AU-1019	DoC
Notebook PC (Controller/Client PC)	HP	8470P	CNU342CP7Y	ICEB-00
AC Adapter (Client PC)	HP	PA-1650-32HJ	WCNXA0C3U5IA7F	DoC
AC Adapter (EUT)	LITE ON	PB-1250-8ESI	ETC 1343000075	DoC

11.4.1.4. DESCRIPTION OF EUT

The EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 23.3 dBm EIRP in the 5250-5350 MHz band and 23.99 dBm EIRP in the 5470-5725 MHz band.

The only antenna assembly utilized with the EUT has a gain of 1.7 dBi.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is –64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is –64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides margin to the limit.

The EUT uses tree transmitter/receiver chains, each connected to an antenna to perform radiated tests.

WLAN traffic is generated by streaming the video file TestFile.mp2 “6 ½ Magic Hours” from the Master to the Slave in full motion video mode using the media player with the V2.61 Codec package.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz.

The software installed in the access point is FCC 1STR revision 1.1

UNIFORM CHANNEL SPREADING

This requirement is not applicable to Slave radio devices.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is a Cisco Access Point, FCC ID: LDK102061. The minimum antenna gain for the Master Device is 3.5 dBi.

The EUT is a Slave Device without Radar Detection.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides margin to the limit.

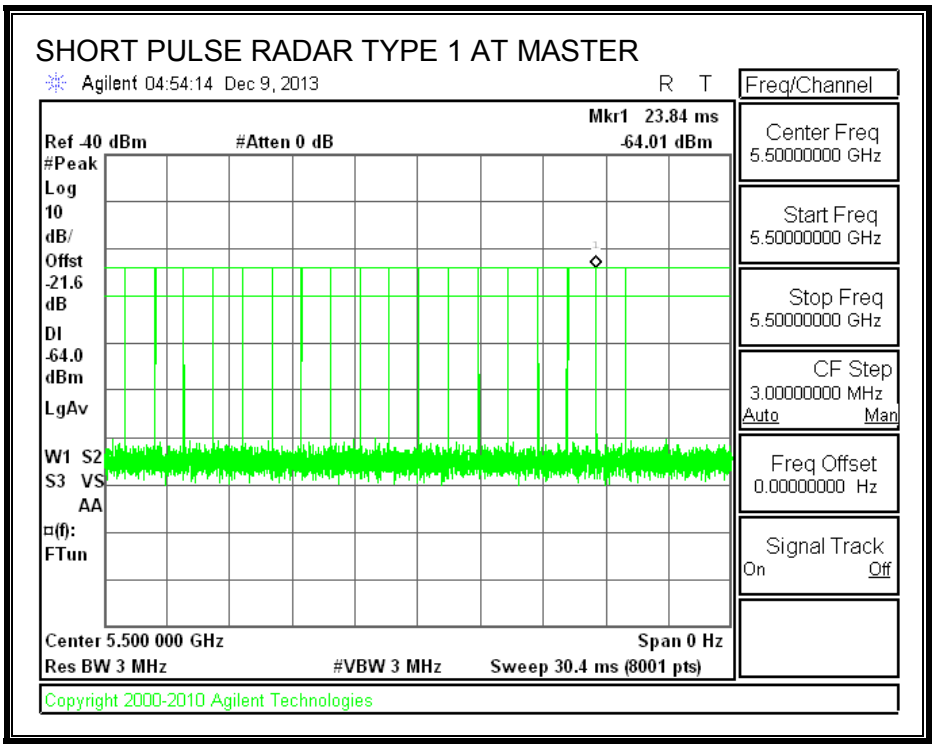
11.4.2. RESULTS FOR 20 MHz BANDWIDTH

11.4.2.1. TEST CHANNEL

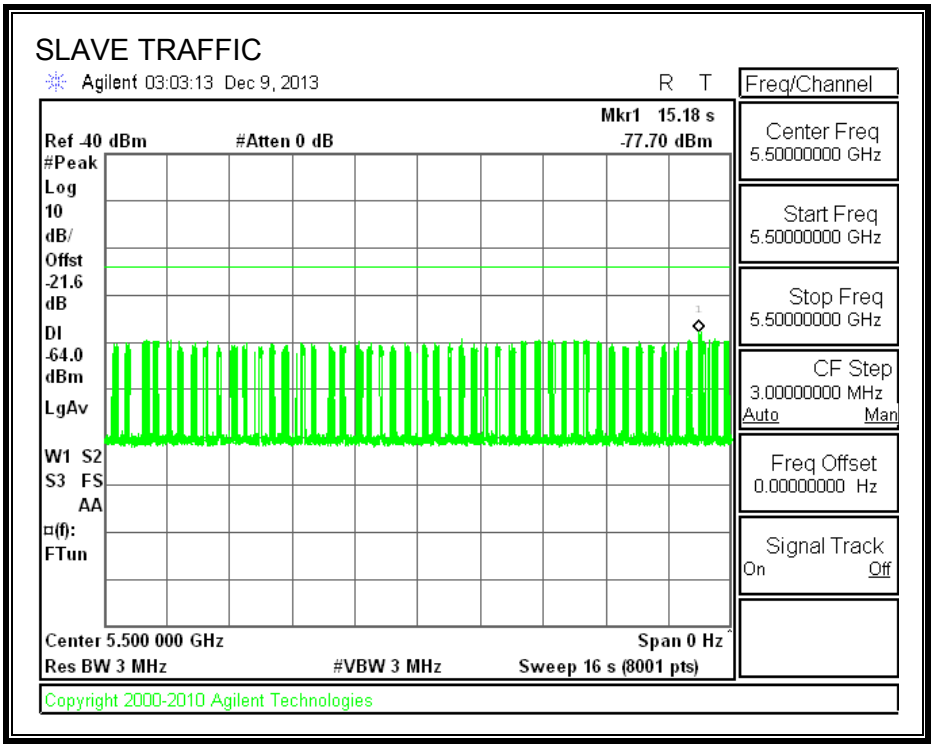
All tests were performed at a channel center frequency of 5500 MHz.

11.4.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



11.4.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.4.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the FCC aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

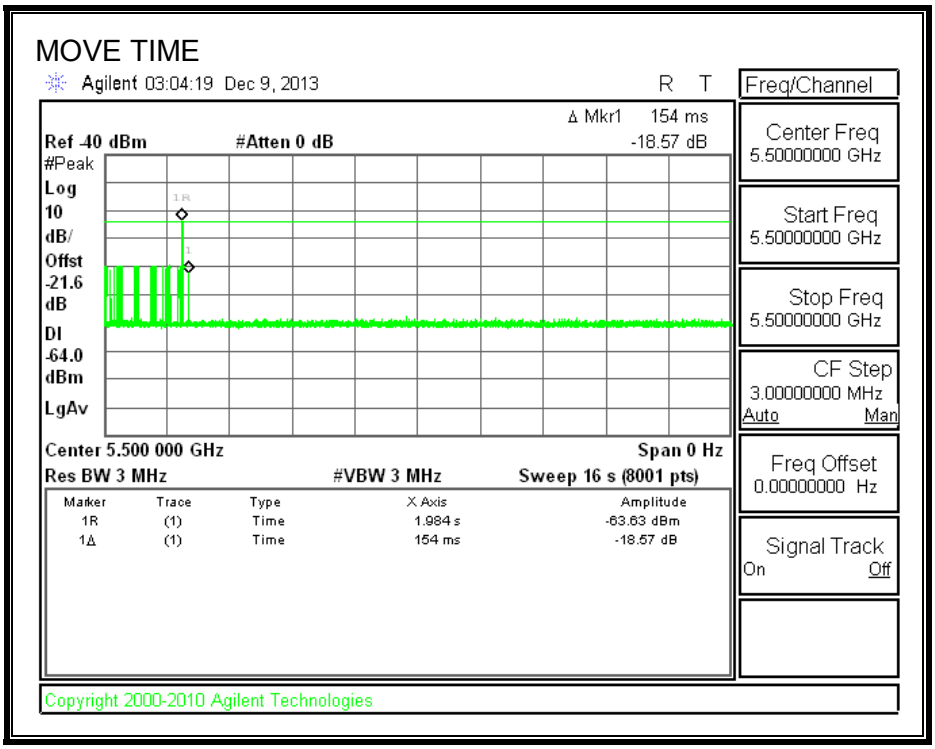
The observation period over which the IC aggregate time is calculated begins at (Reference Marker) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

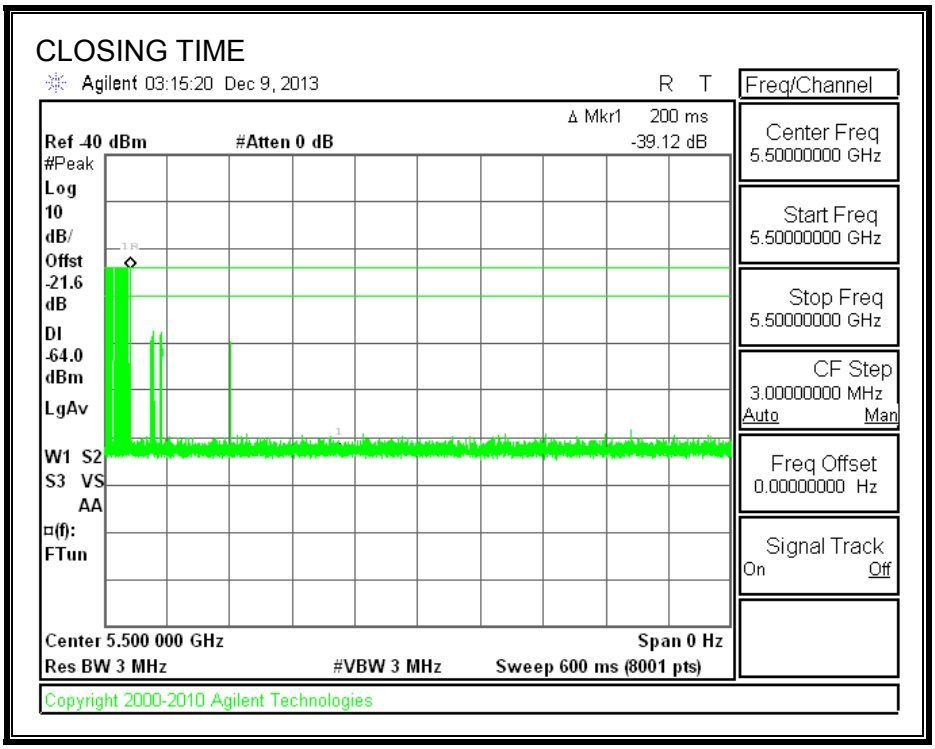
Channel Move Time (sec)	Limit (sec)
0.154	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



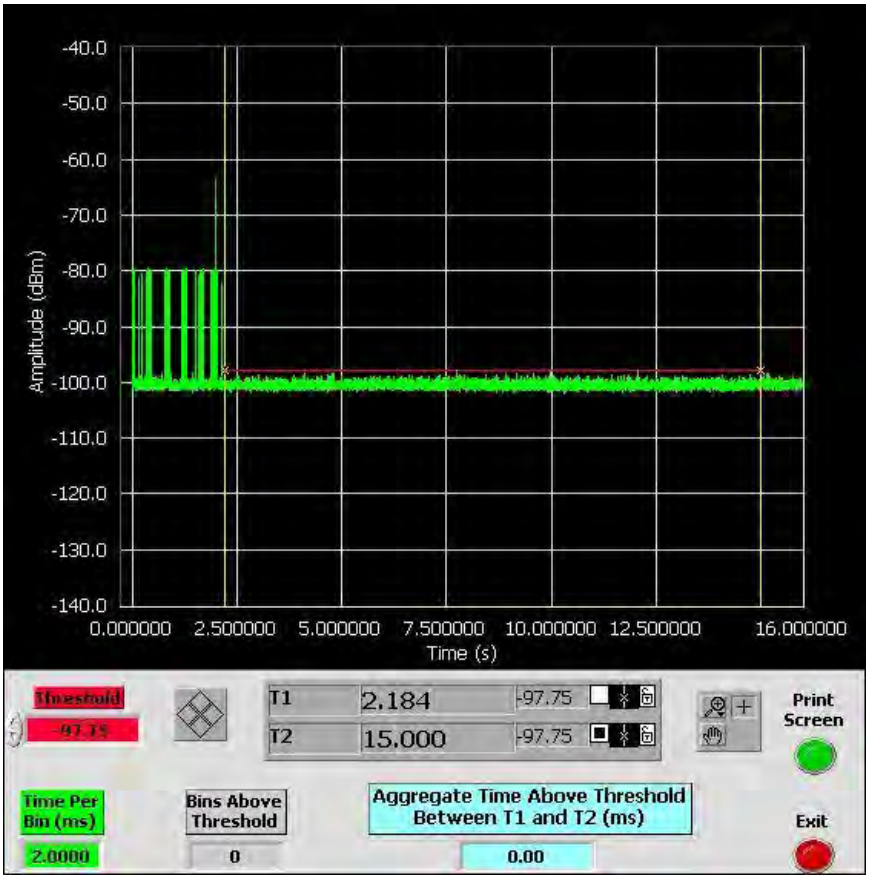
CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No intermittent transmissions are observed during the aggregate monitoring period.

AGGREGATE CLOSING TIME



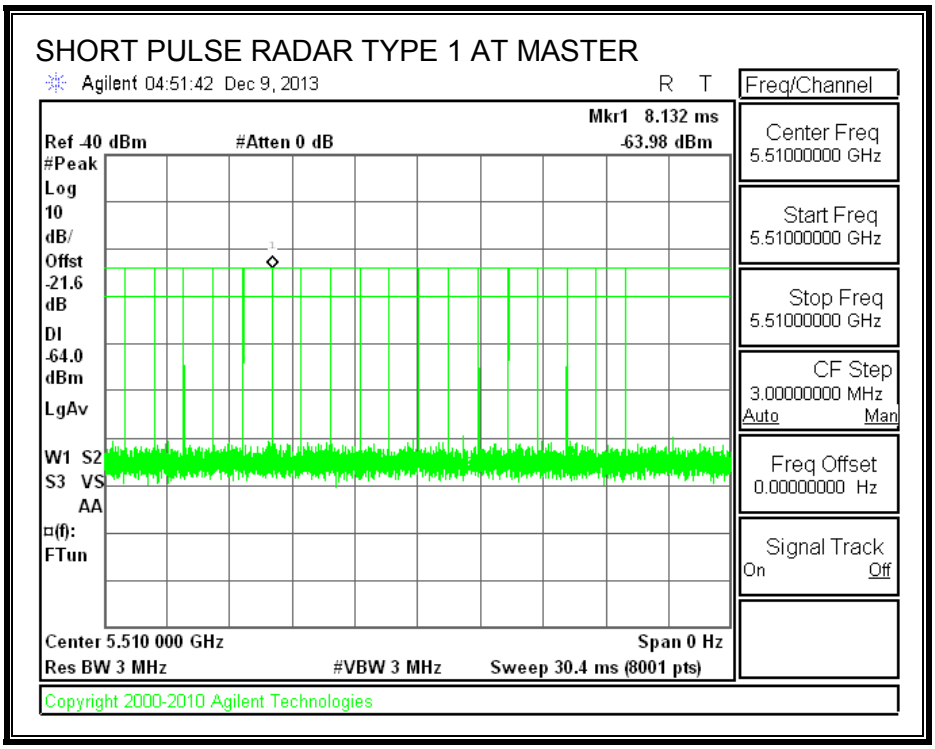
11.4.3. RESULTS FOR 40 MHz BANDWIDTH

11.4.3.1. TEST CHANNEL

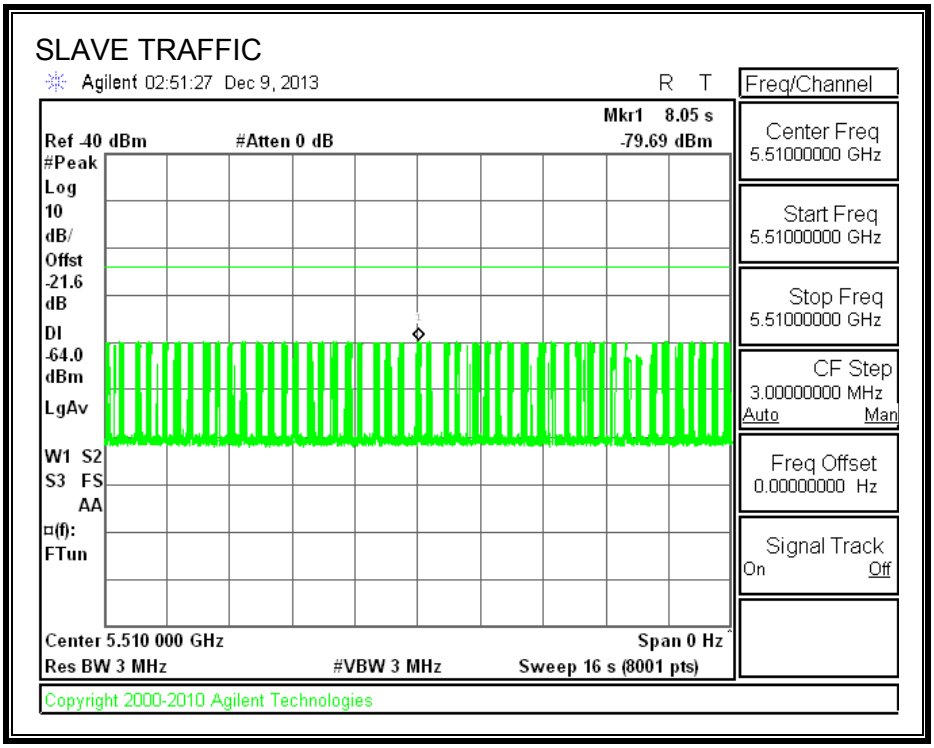
All tests were performed at a channel center frequency of 5510 MHz.

11.4.3.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



11.4.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

11.4.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the FCC aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

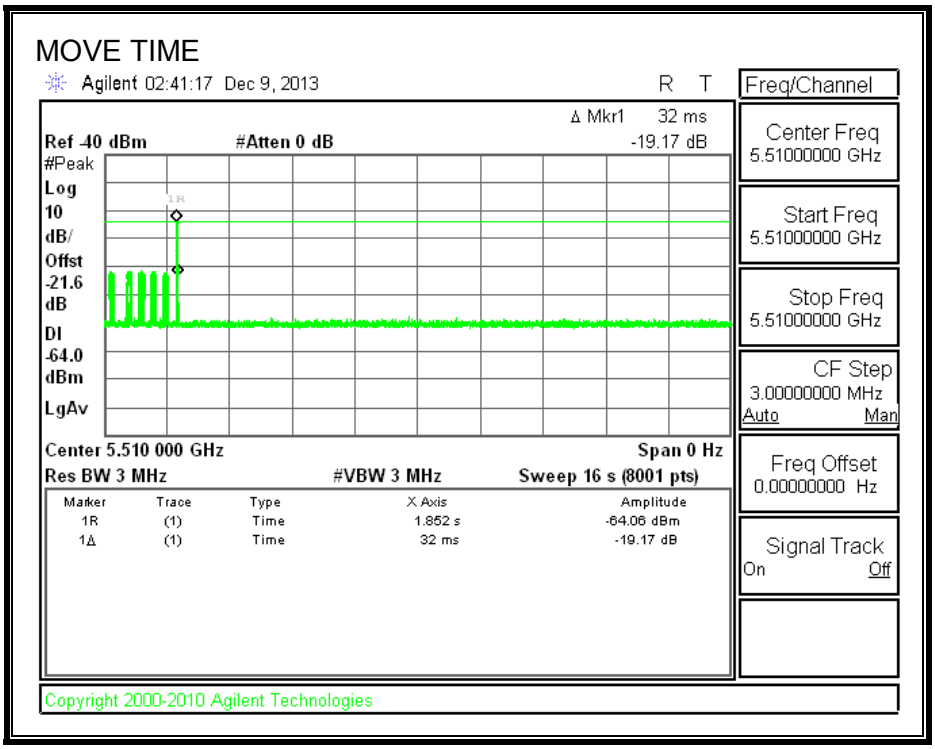
The observation period over which the IC aggregate time is calculated begins at (Reference Marker) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

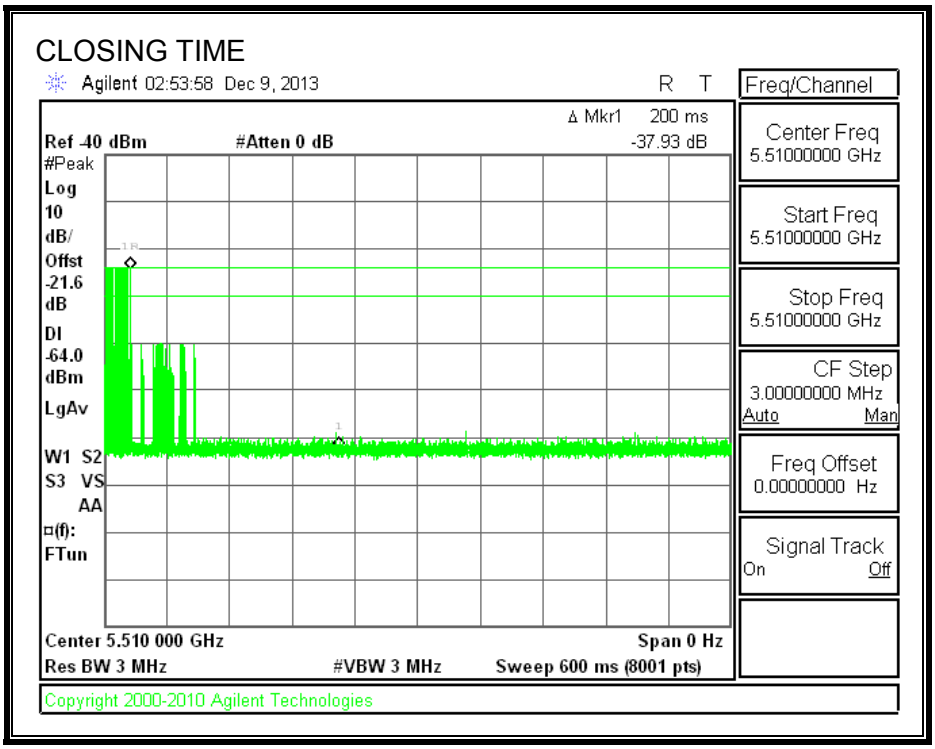
Channel Move Time (sec)	Limit (sec)
0.032	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME



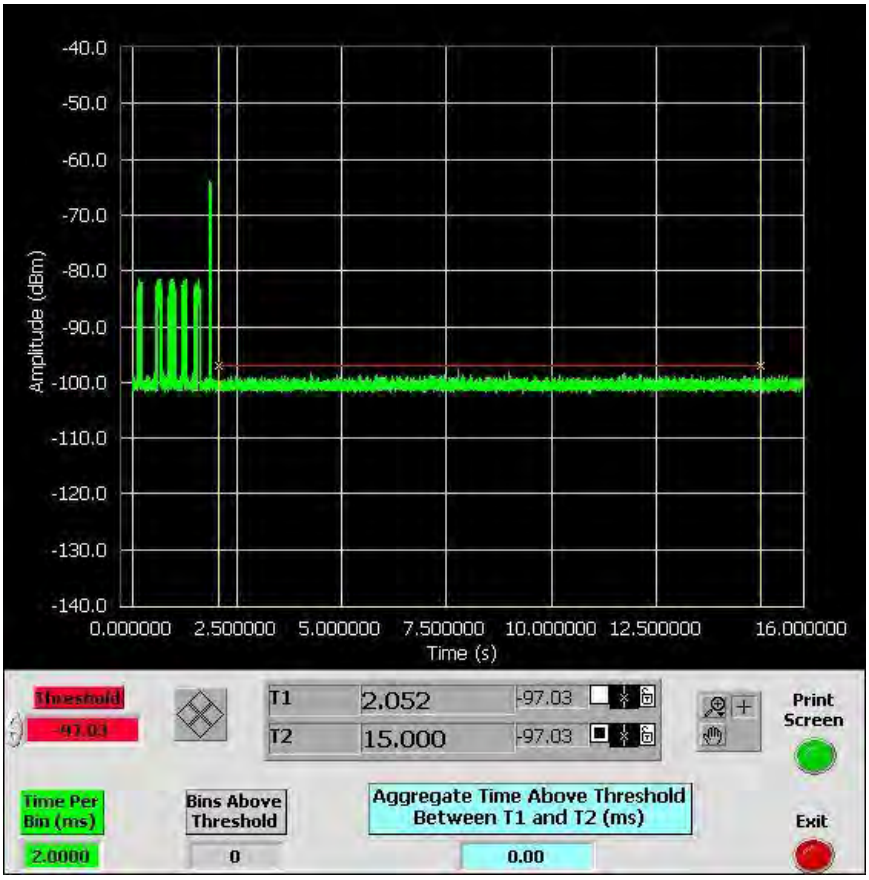
CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No intermittent transmissions are observed during the aggregate monitoring period.

AGGREGATE CLOSING TIME



11.4.3.5. NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.