

9.36.5. 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	1.50	-8.39	0.27	9.62	13	-3.38

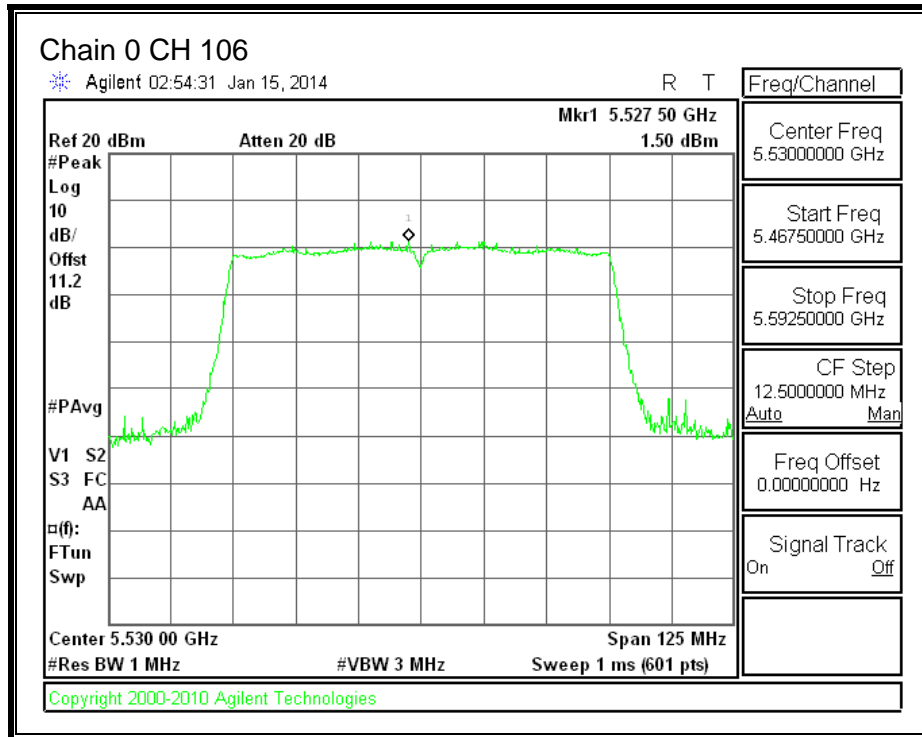
Chain 1

Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	2.60	-7.86	0.27	10.19	13	-2.81

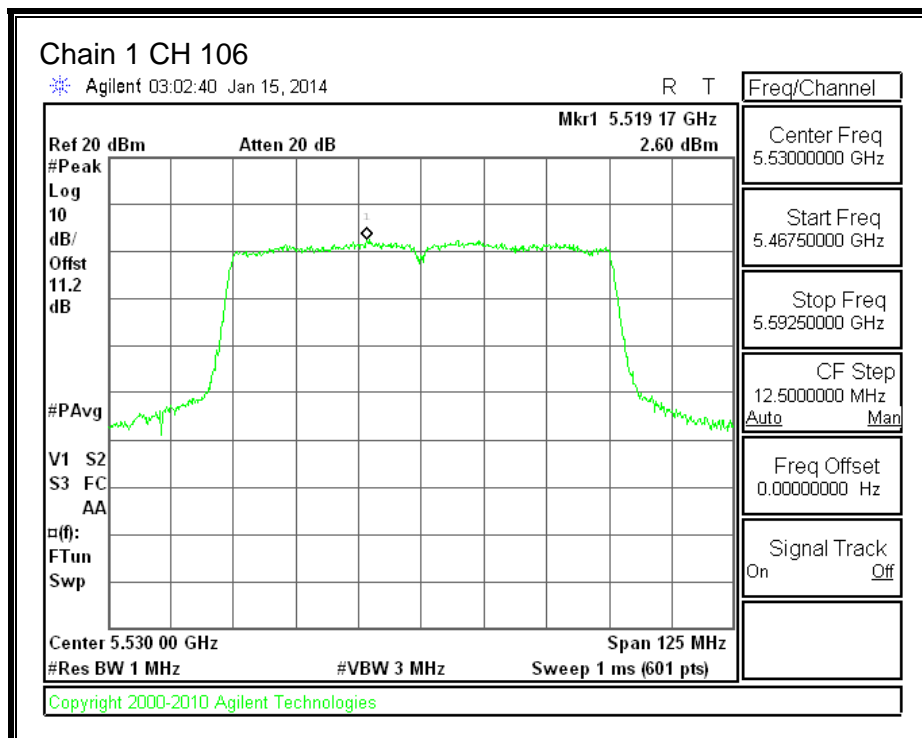
Chain 2

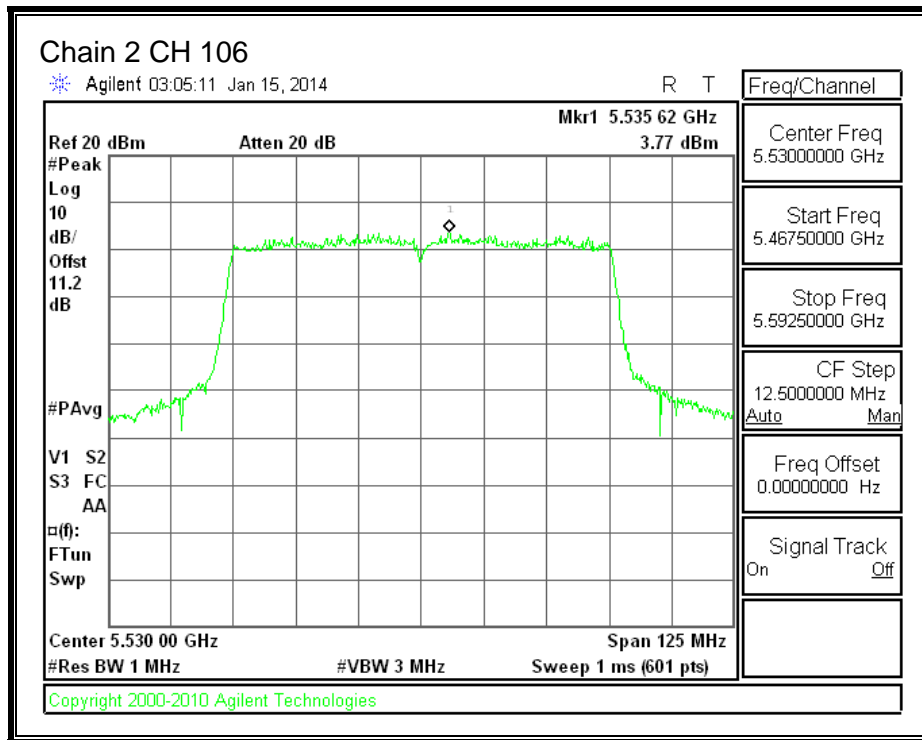
Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	3.77	-6.77	0.27	10.27	13	-2.73

PEAK EXCURSION, Chain 0



PEAK EXCURSION, Chain 1





9.37. 802.11ac 80MHz CDD 3TX MODE, CHANNEL 138, 5.6 GHz BAND

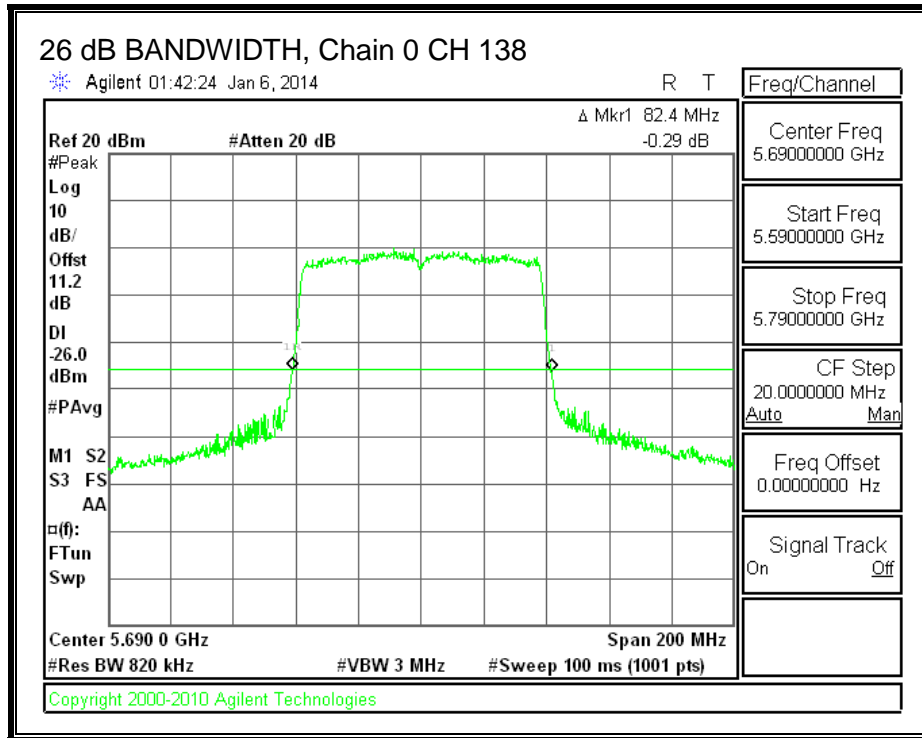
9.37.1.26 dB BANDWIDTH- UNII

LIMITS

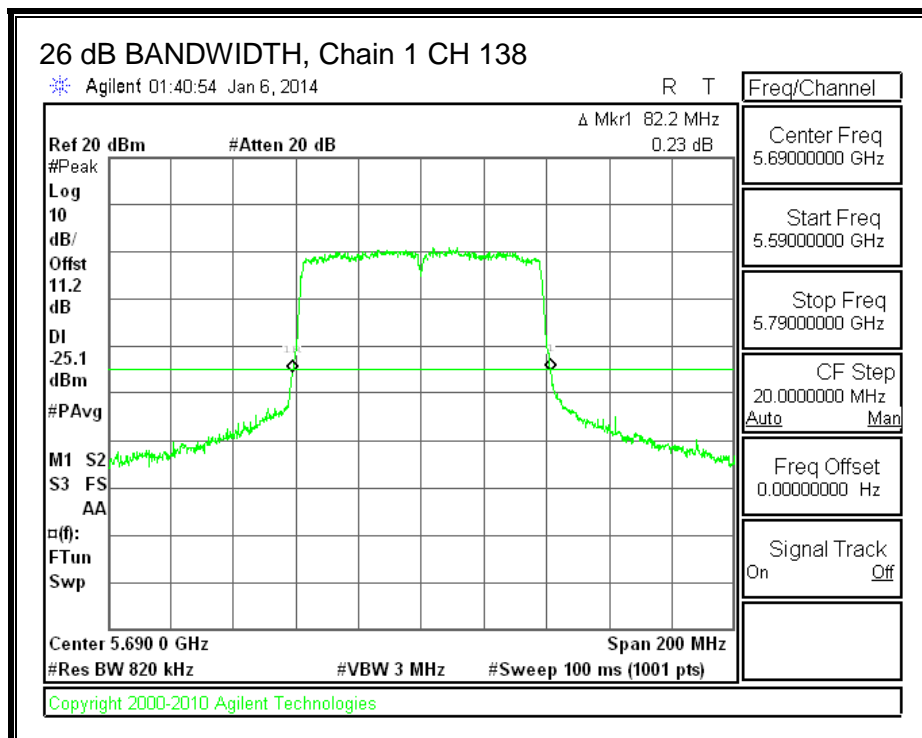
None; for reporting purposes only.

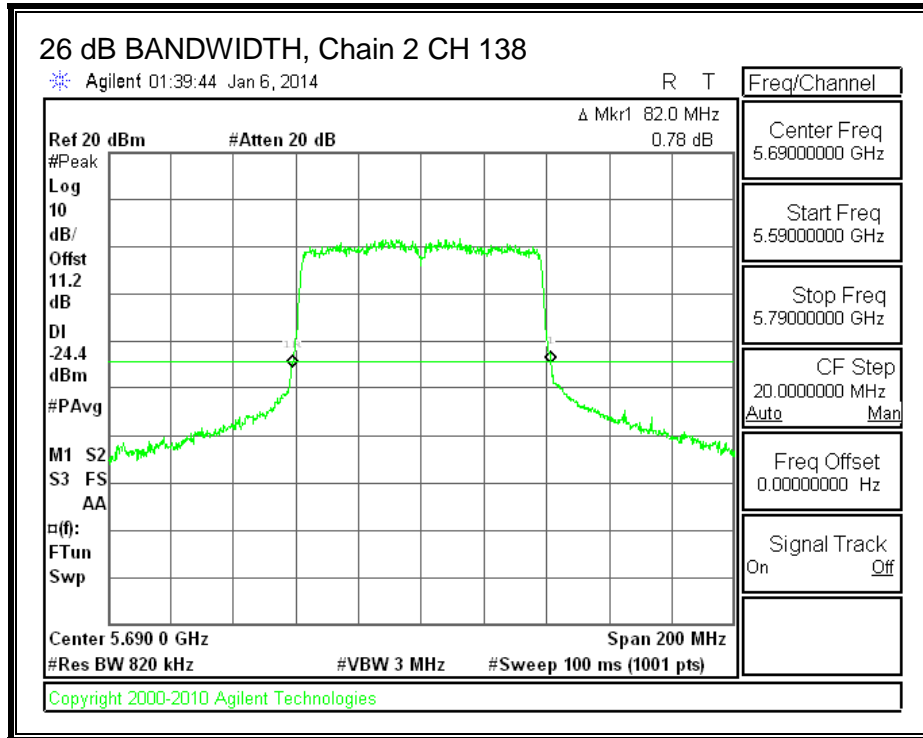
RESULTS

Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)	26 dB BW Chain 2 (MHz)
138	5690	82.400	82.200	82.000



26 dB BANDWIDTH, Chain 1





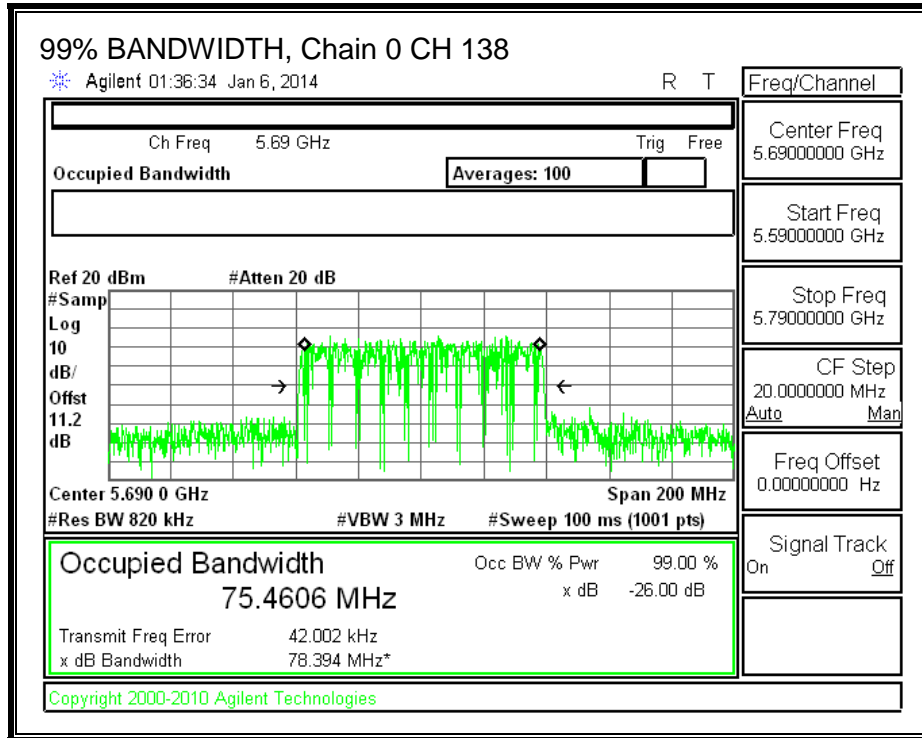
9.37.2.99% BANDWIDTH

LIMITS

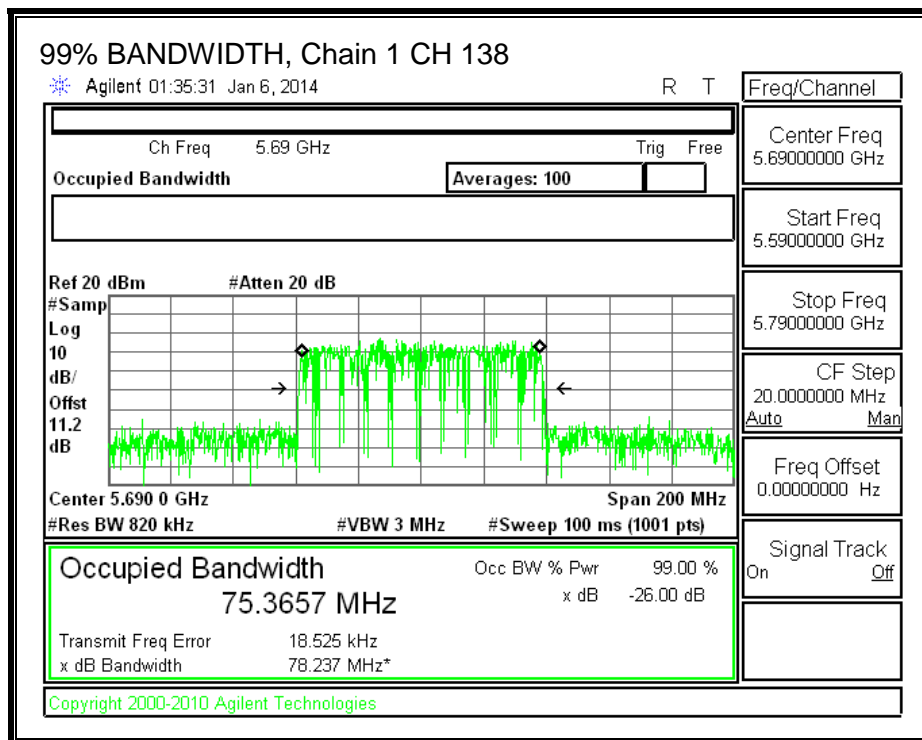
None; for reporting purposes only.

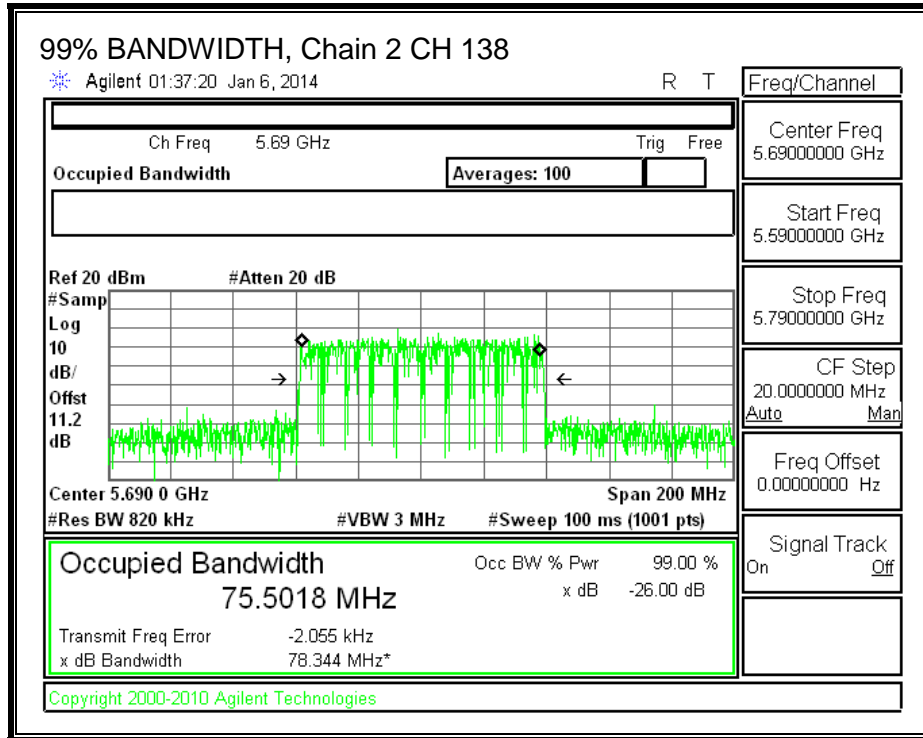
RESULTS

Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)	99% BW Chain 2 (MHz)
138	5690	75.4606	75.3657	75.5018



99% BANDWIDTH, Chain 1





9.37.3. 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 correlated and the antenna gain is the same for each chain. The directional gain is:

Antenna Gain (dBi)	10 * Log (3 chains) (dB)	Correlated Chains Directional Gain (dBi)
2.82	4.77	7.59

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	72.7303	2.82	7.59

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	22.41	24.00	30.00	22.41	11.00	11.00	11.00

Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd Power & PPSD
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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	13.30	13.52	13.89	18.62	22.41	-3.79

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	-4.11	-3.94	-3.67	1.14	11.00	-9.86

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
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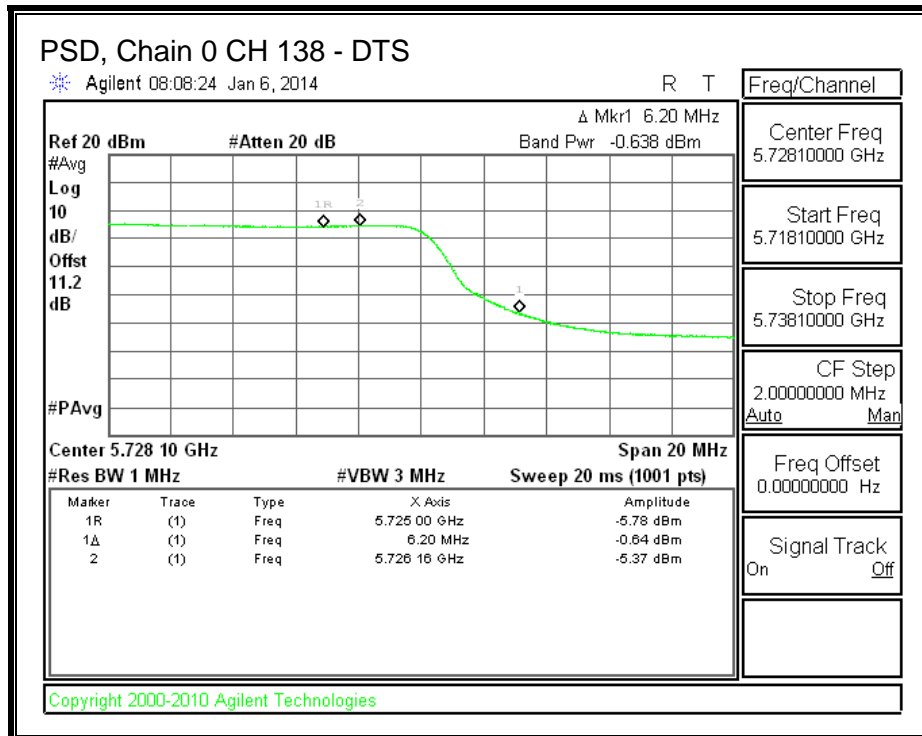
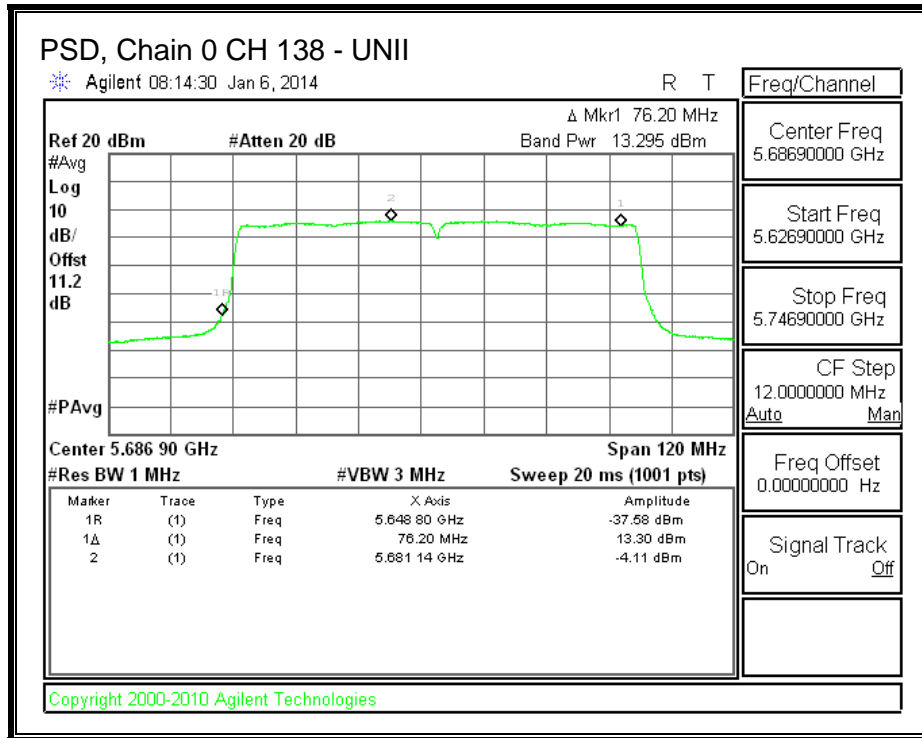
Output Power Results

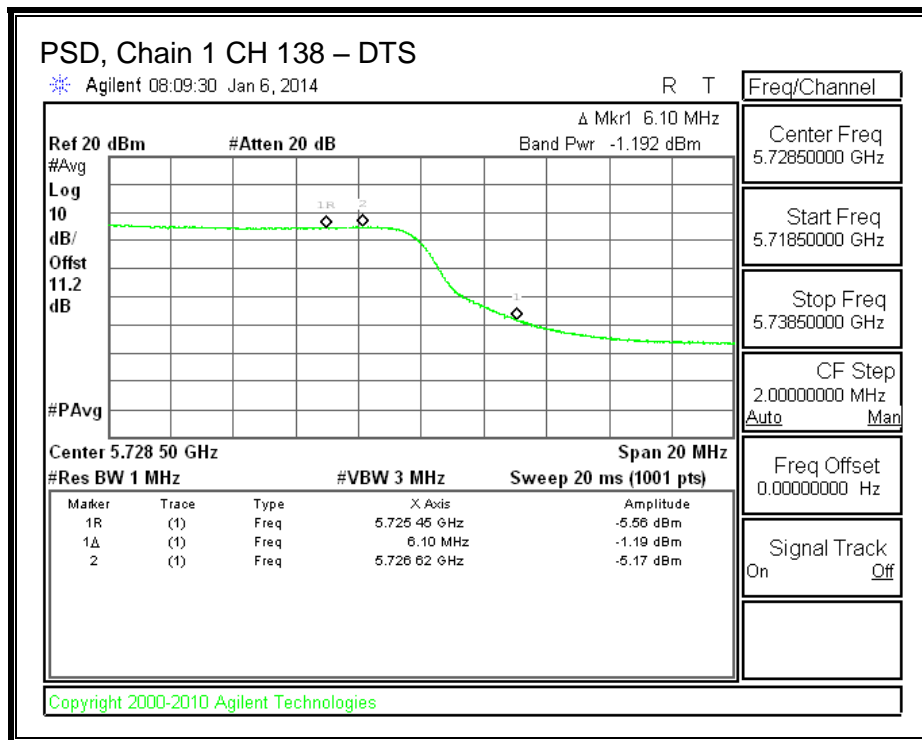
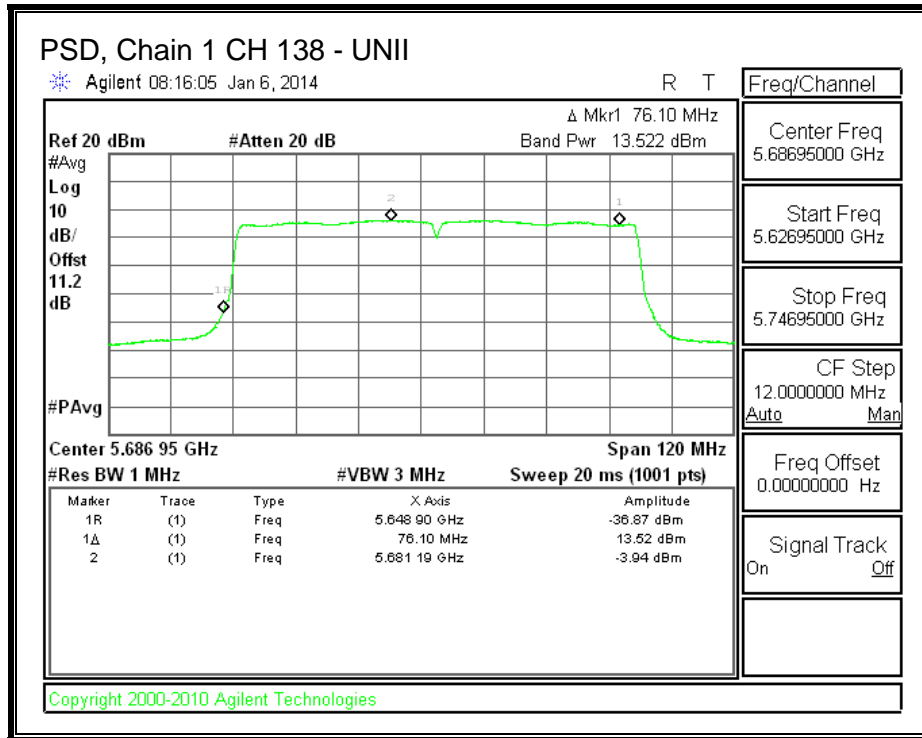
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	-0.64	-1.19	-0.20	4.38	15.36	-10.98

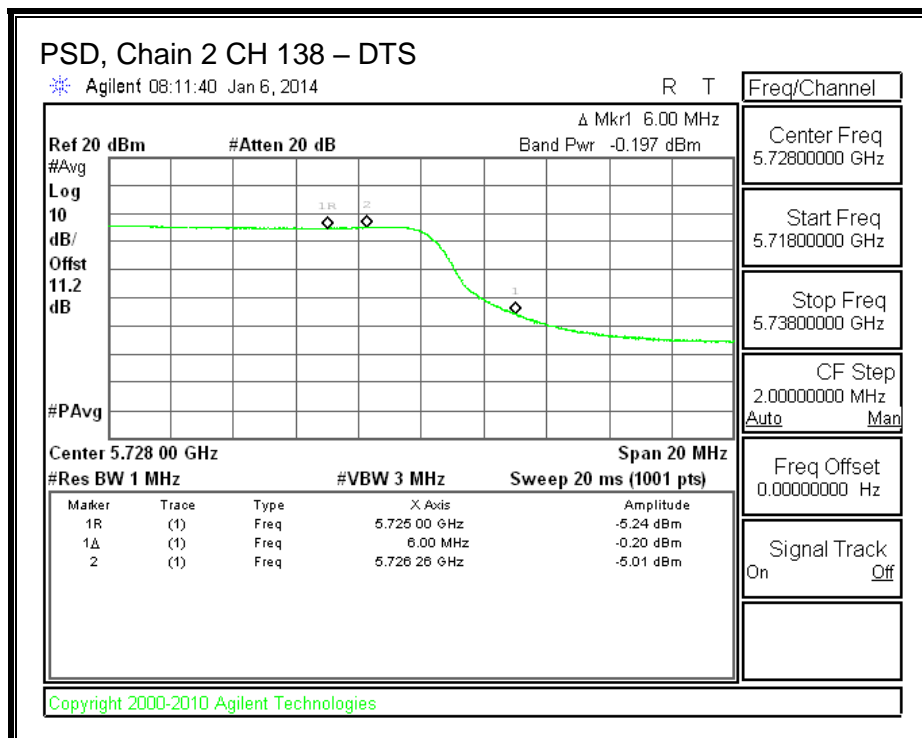
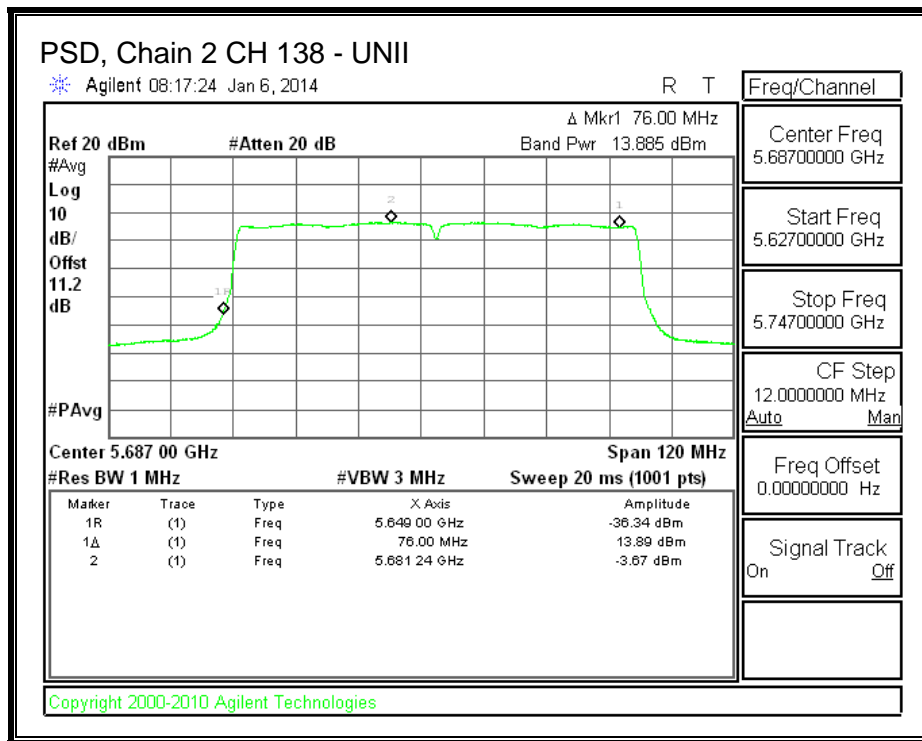
PPSD Results

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







9.38. 802.11ac 80MHz 3TX SDM MODE IN THE 5.6 GHz BAND

9.38.1. 26 dB BANDWIDTH

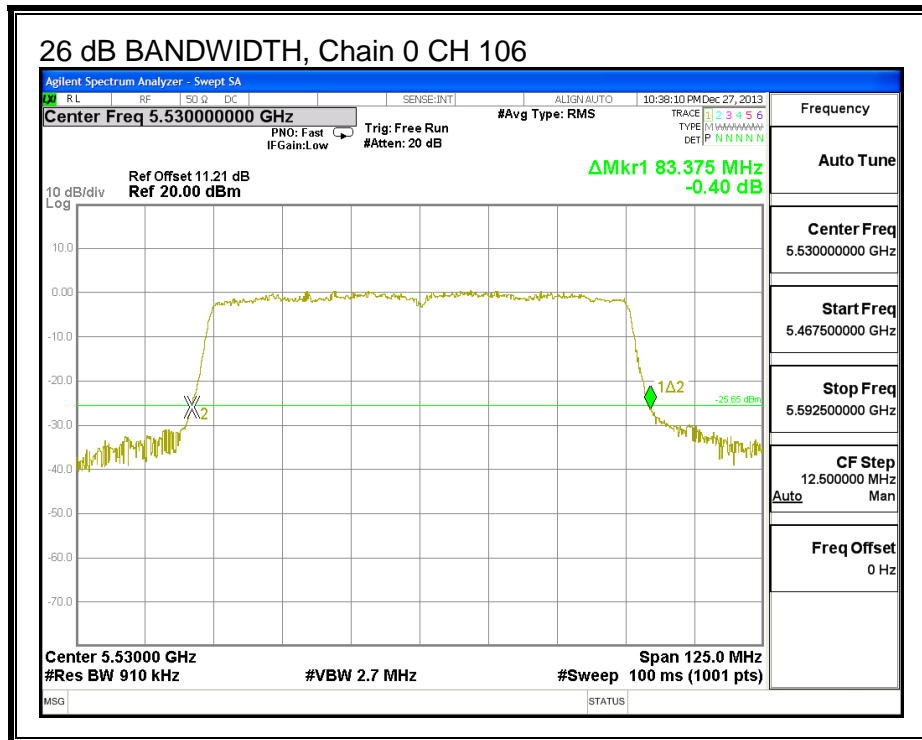
LIMITS

None; for reporting purposes only.

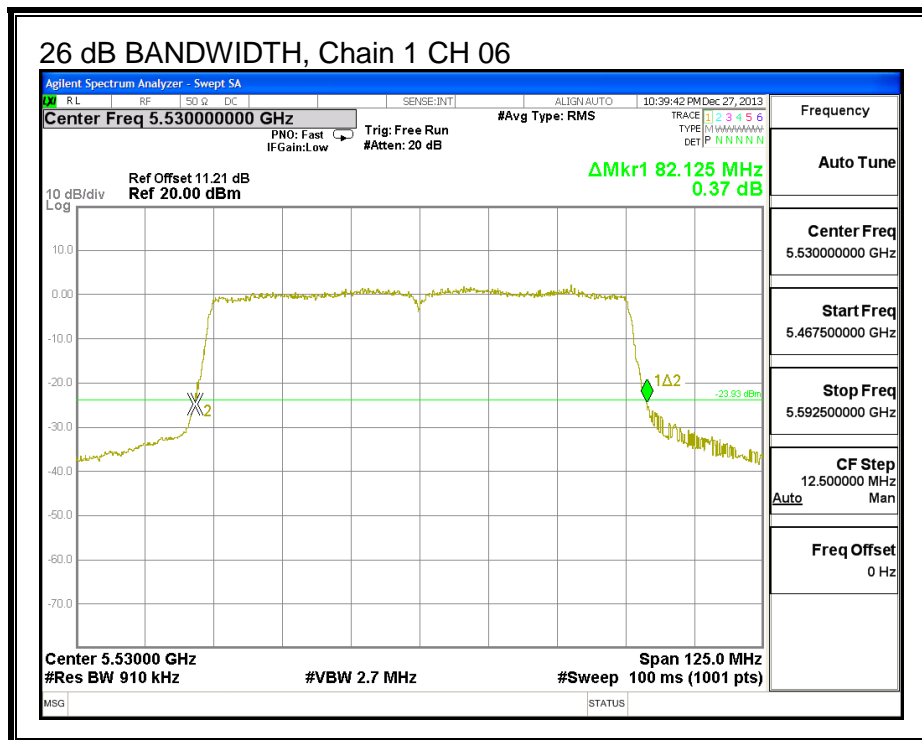
RESULTS

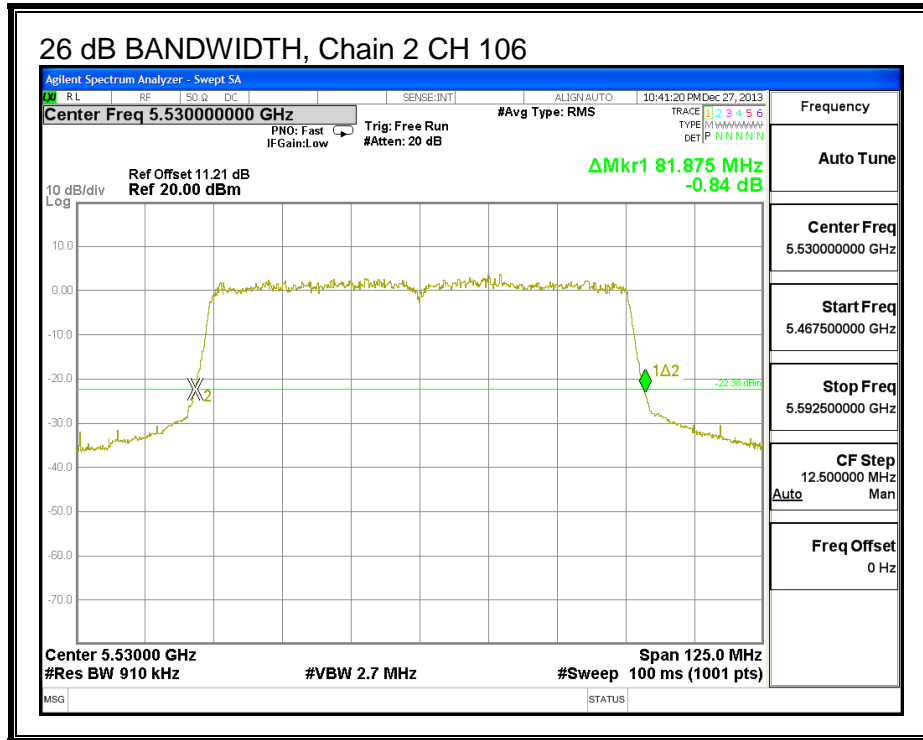
Channel	Frequency (MHz)	26 dB BW Chain 0 (MHz)	26 dB BW Chain 1 (MHz)	26 dB BW Chain 2 (MHz)
106	5530	83.375	82.125	81.875

26 dB BANDWIDTH, Chain 0



26 dB BANDWIDTH, Chain 1





9.38.2. 99% BANDWIDTH

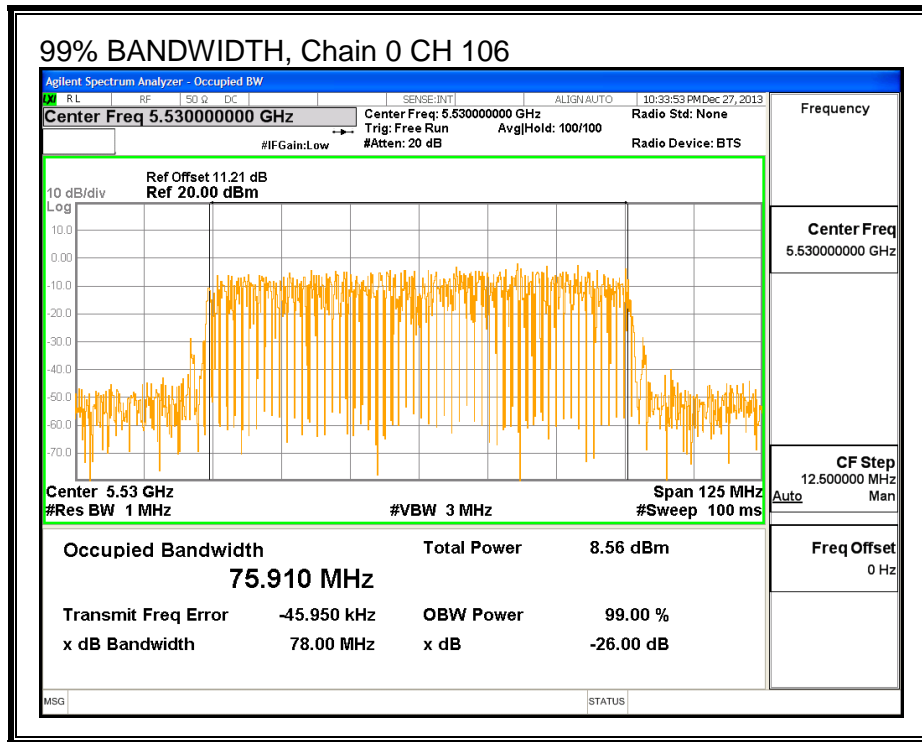
LIMITS

None; for reporting purposes only.

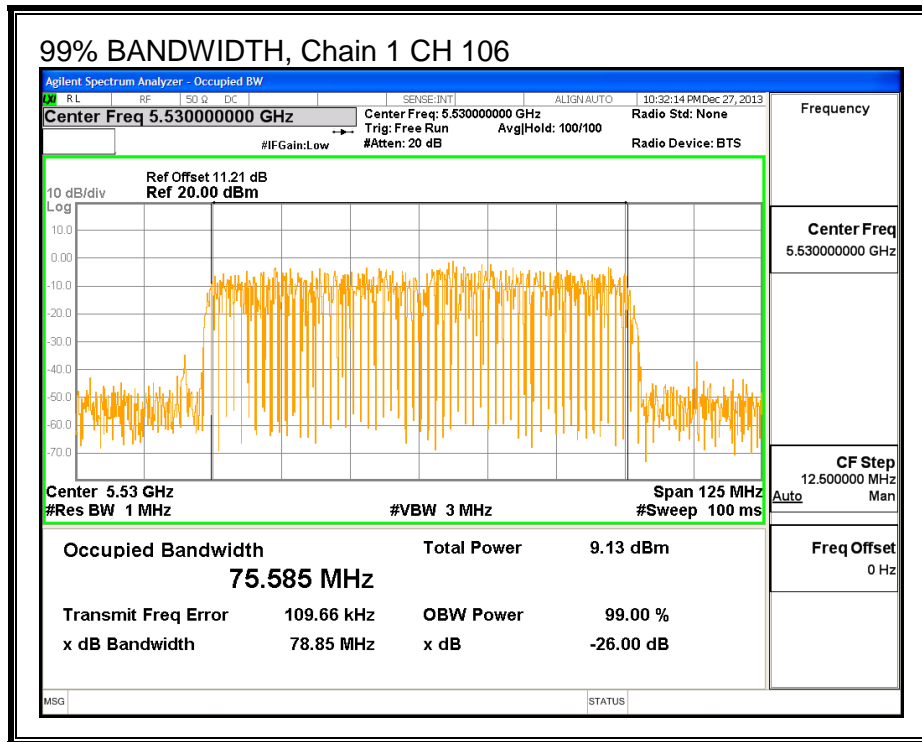
RESULTS

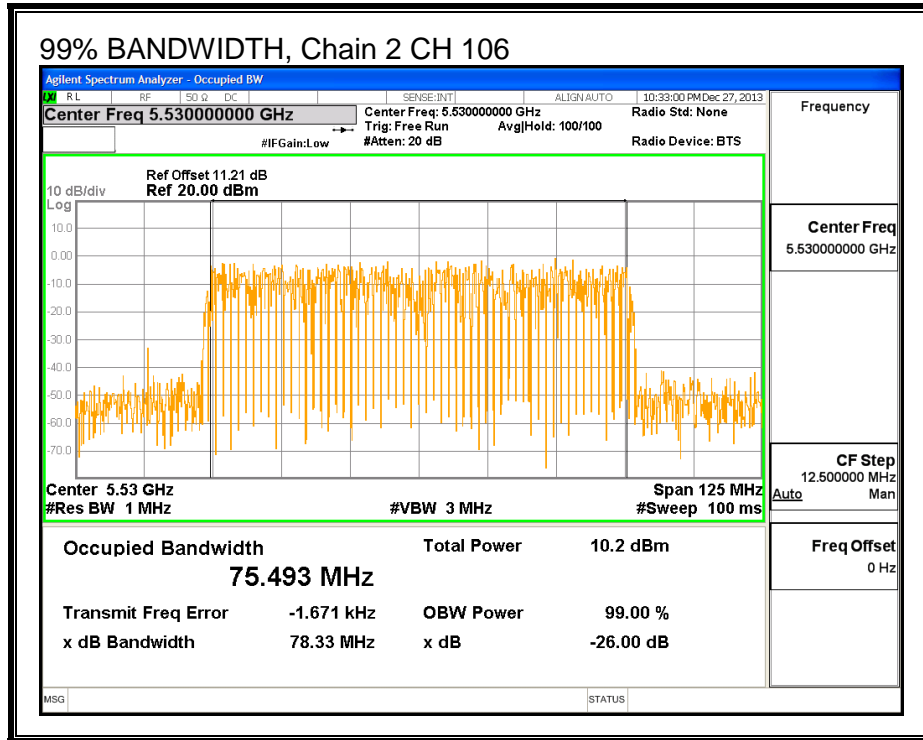
Channel	Frequency (MHz)	99% BW Chain 0 (MHz)	99% BW Chain 1 (MHz)	99% BW Chain 2 (MHz)
106	5530	75.910	75.585	75.493

99% BANDWIDTH, Chain 0



99% BANDWIDTH, Chain 1





9.38.3. 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

9.38.4. 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

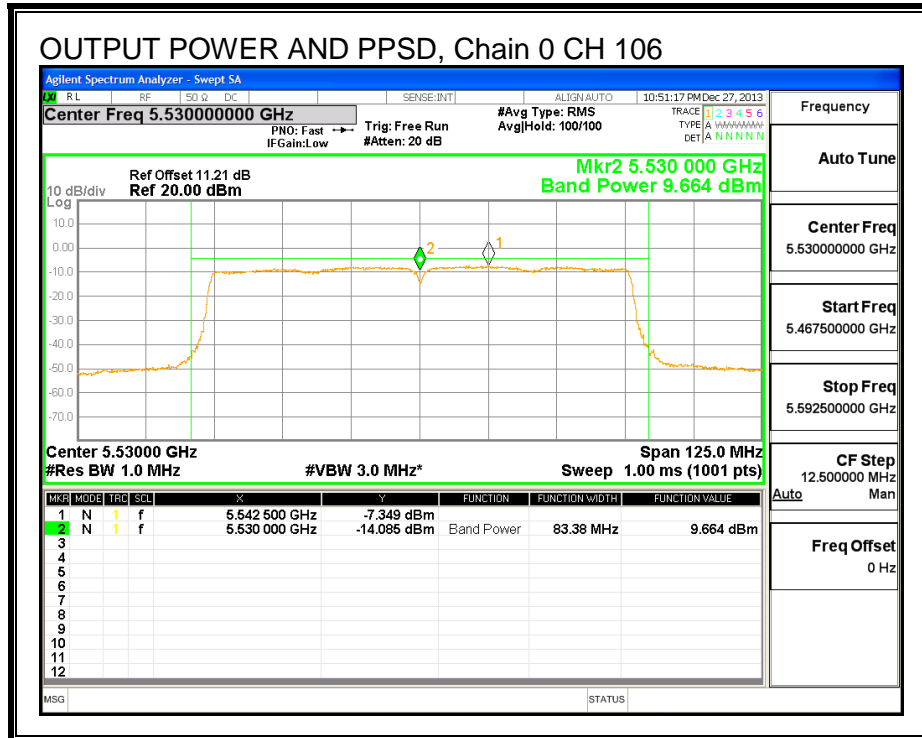
Duty Cycle CF (dB)	0.60	Included in Calculations of Corr'd Power & PPSD
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Output Power Results

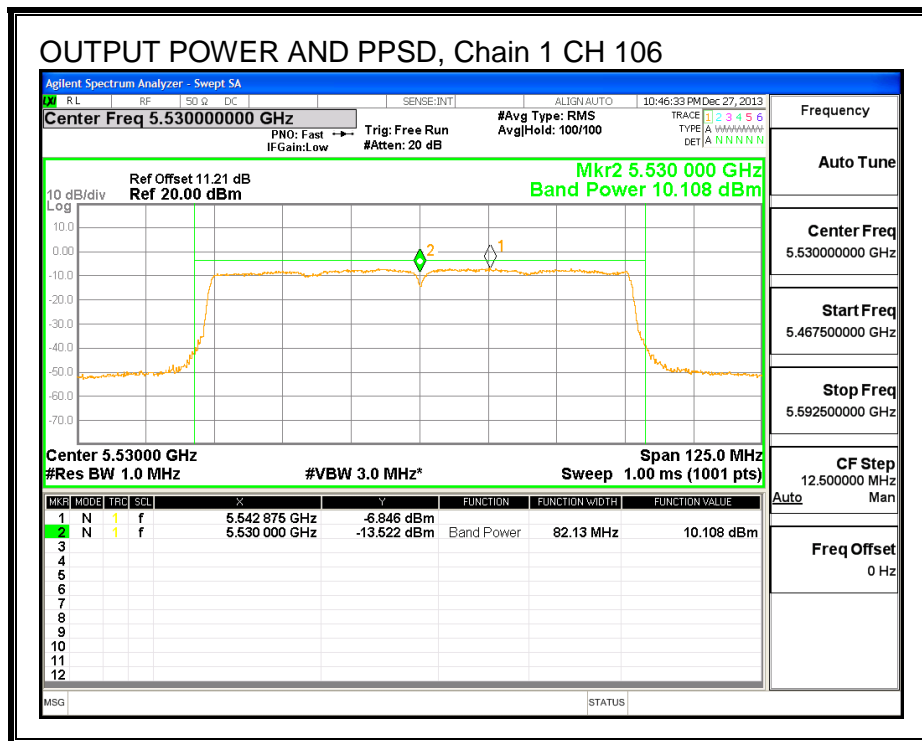
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
106	5530	9.664	10.108	11.025	15.67	24.00	-8.33

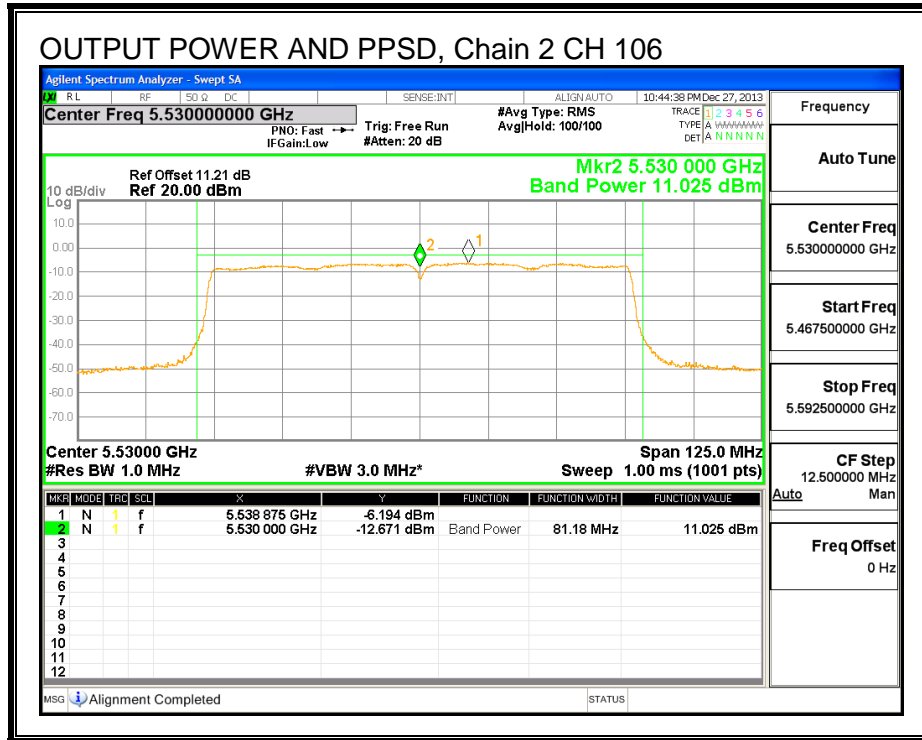
PPSD Results

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 1





9.38.5. 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

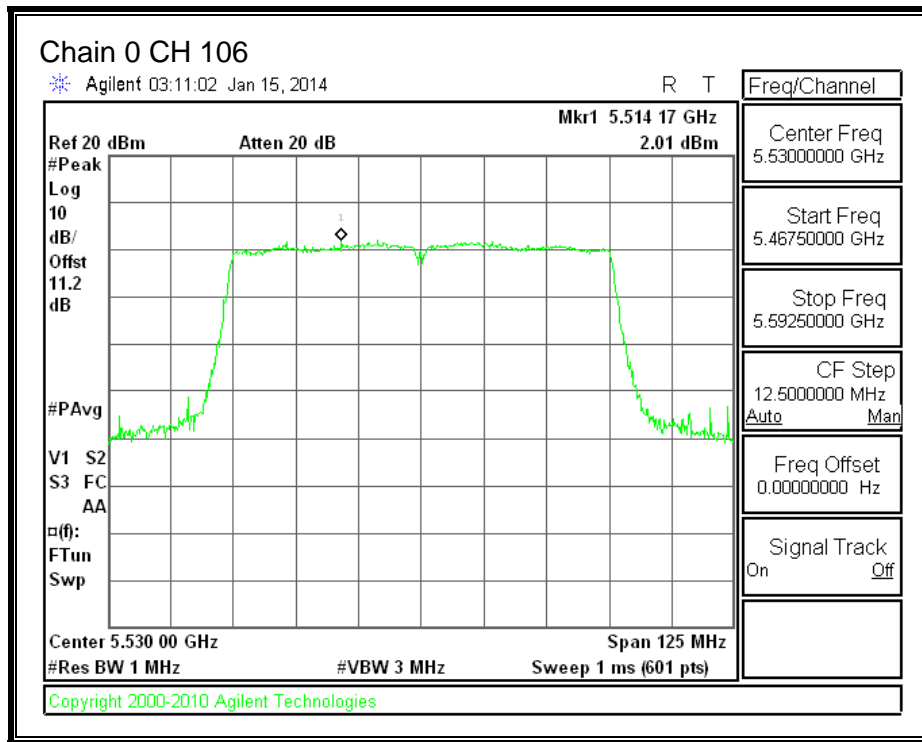
Chain 1

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

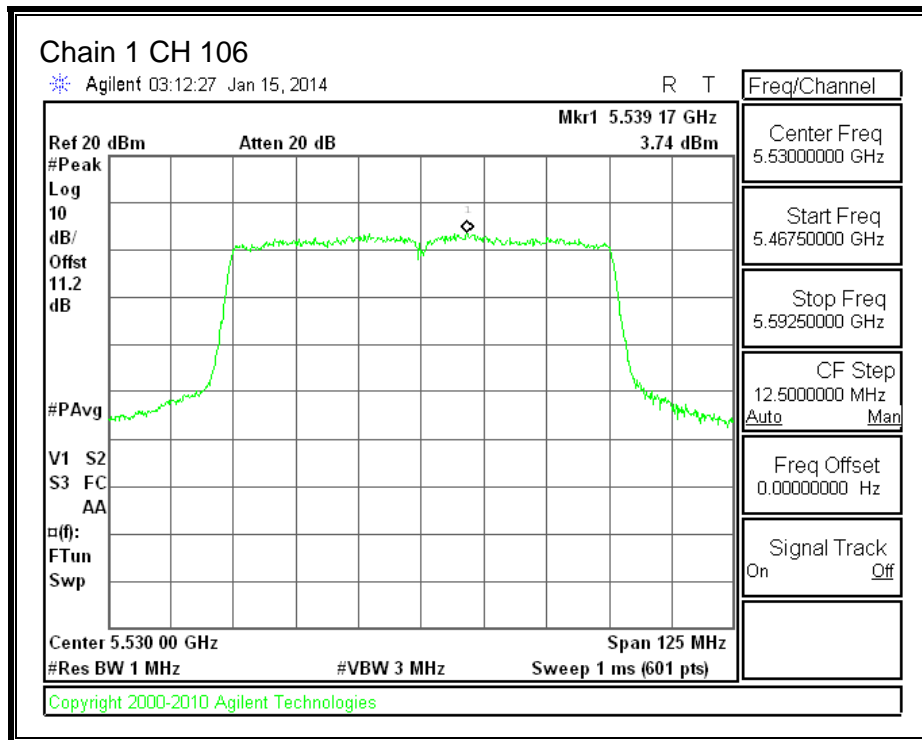
Chain 2

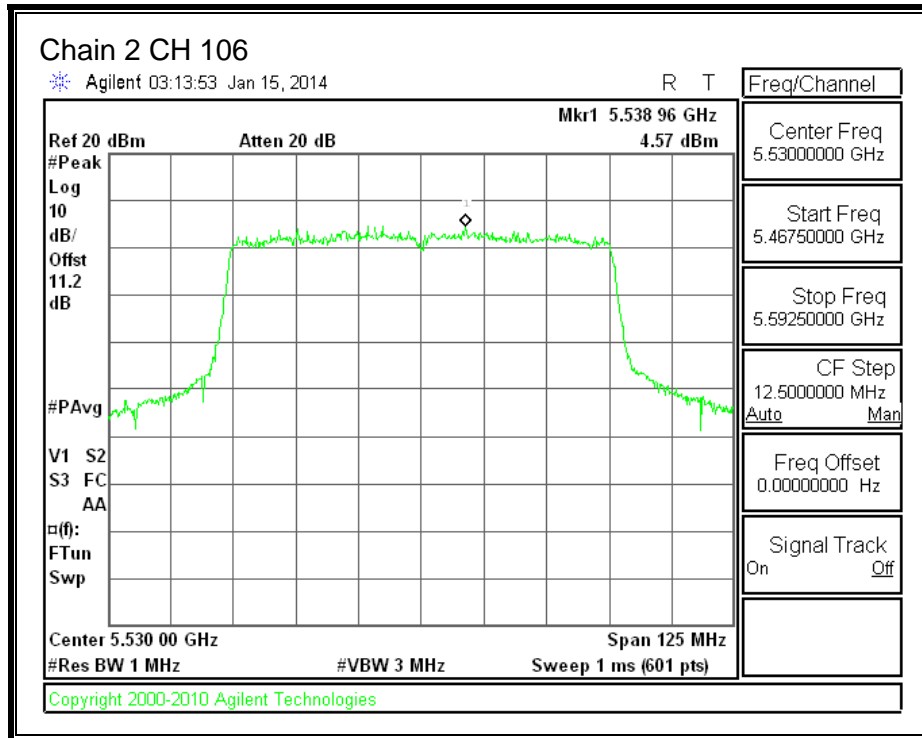
Channel	Frequency (MHz)	PK Level (dBm)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Margin (dB)
106	5530	4.57	-6.19	0.60	10.16	13	-2.84

PEAK EXCURSION, Chain 0



PEAK EXCURSION, Chain 1





9.39. 802.11ac 80MHz SDM 3TX MODE, CHANNEL 138, 5.6 GHz BAND

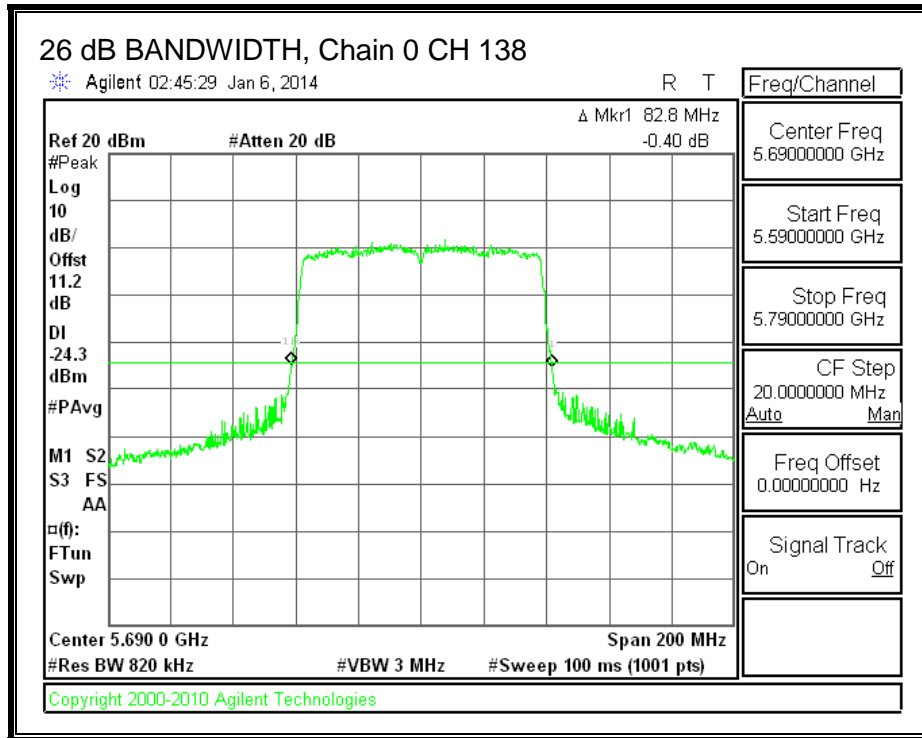
9.39.1.26 dB BANDWIDTH- UNII

LIMITS

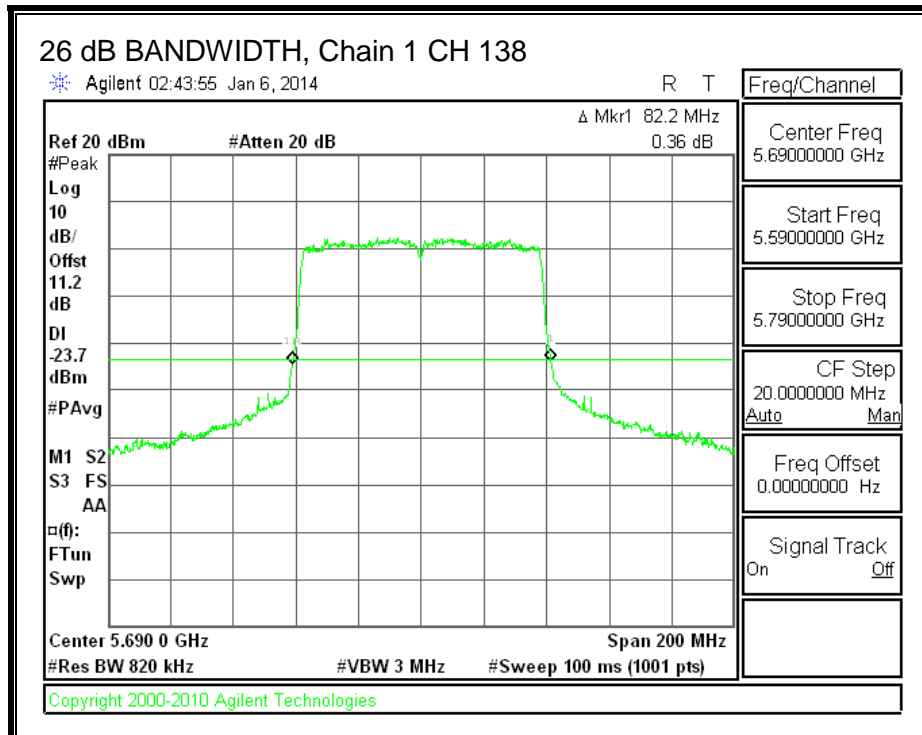
None; for reporting purposes only.

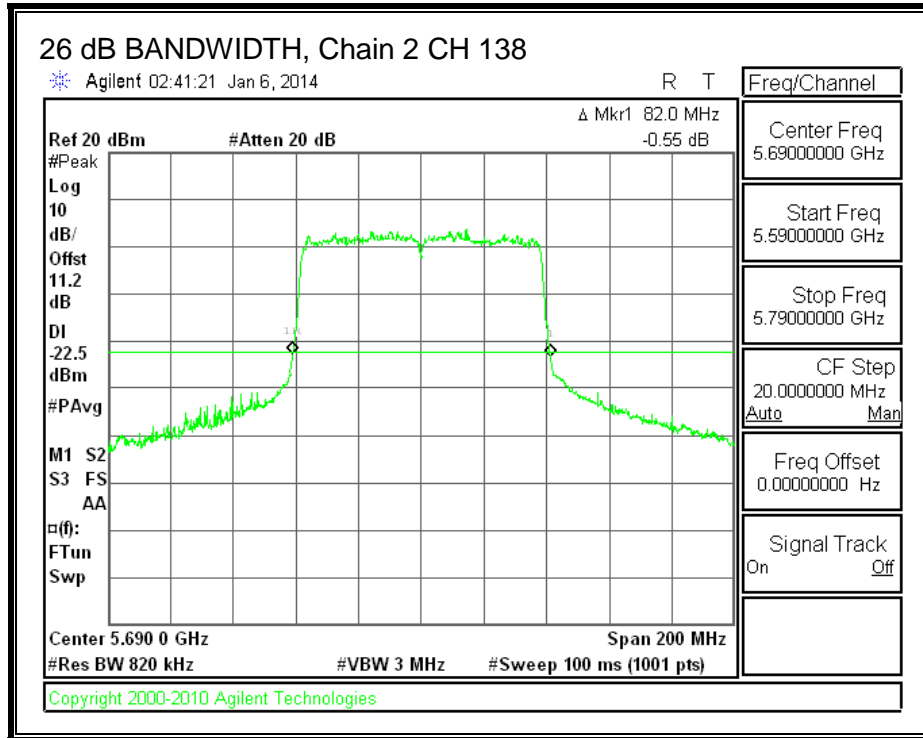
RESULTS

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 1





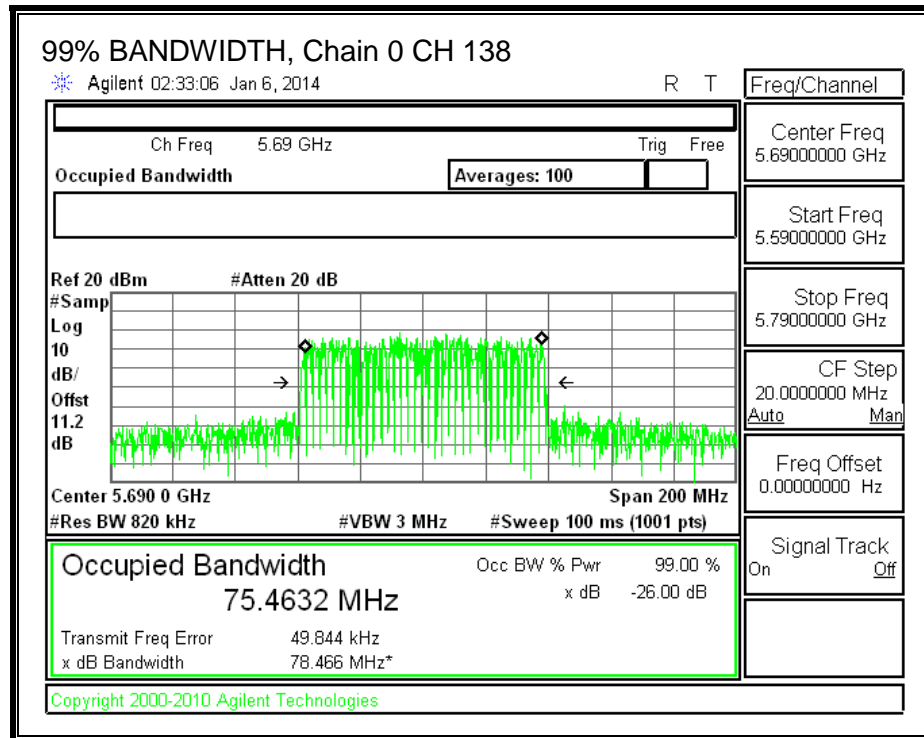
9.39.2.99% BANDWIDTH

LIMITS

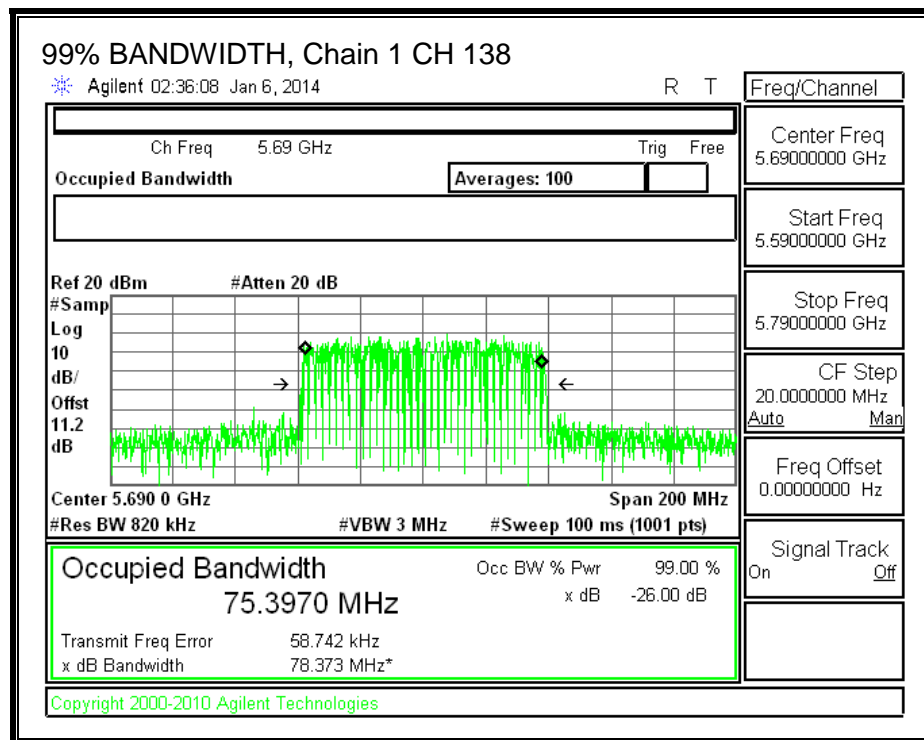
None; for reporting purposes only.

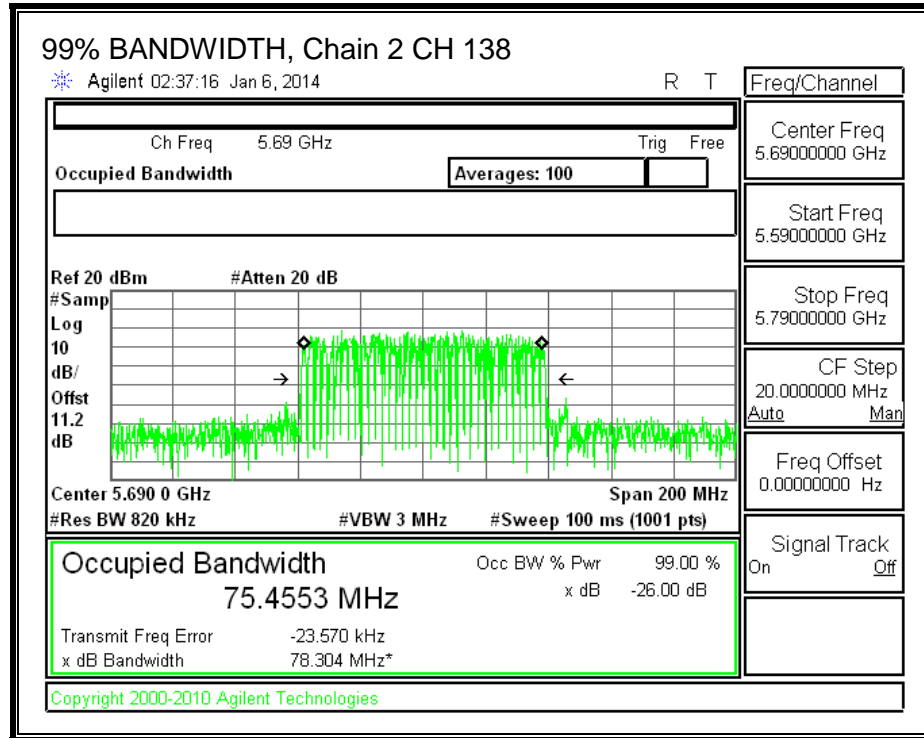
RESULTS

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 1





9.39.3. 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

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
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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
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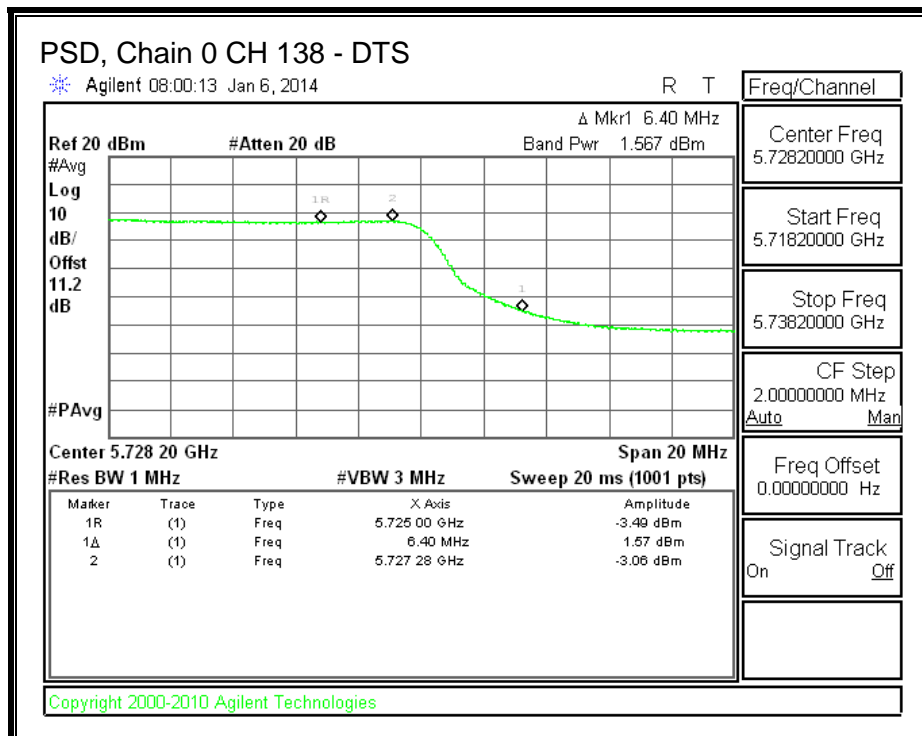
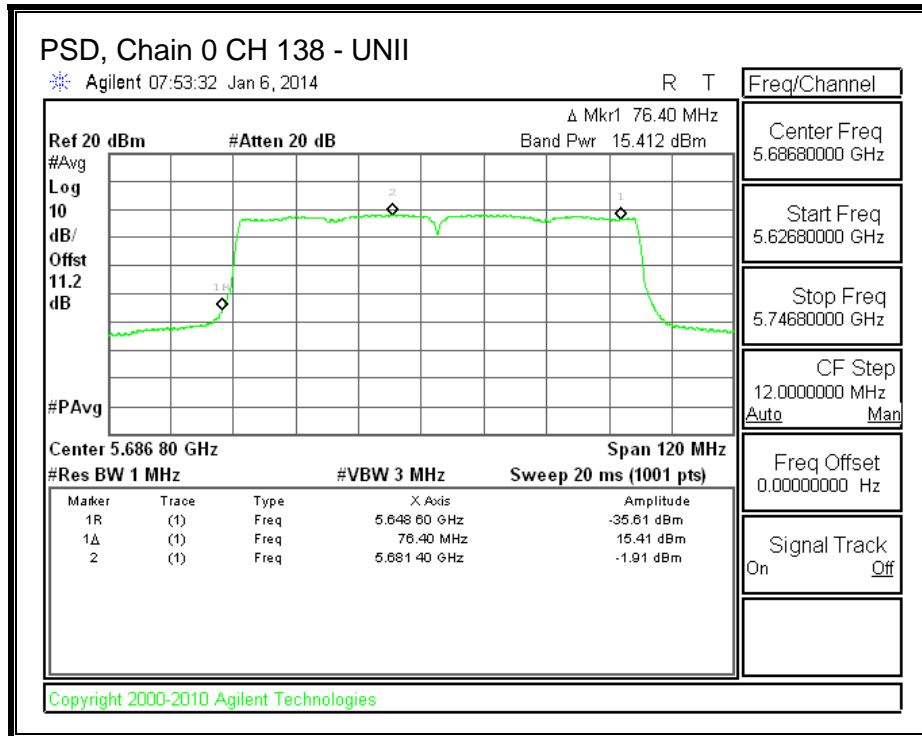
Output Power Results

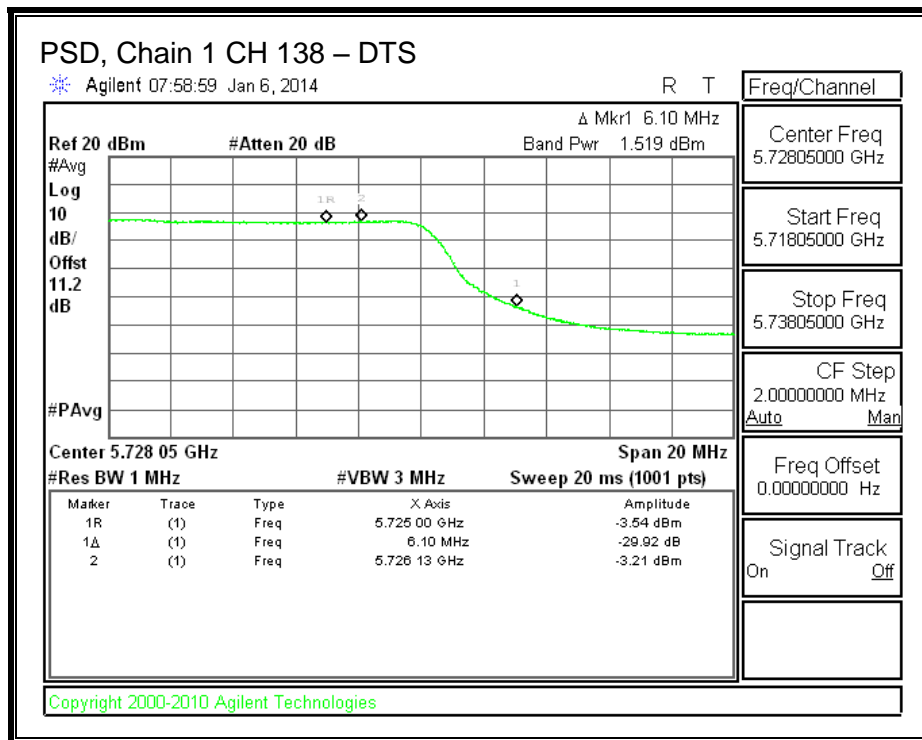
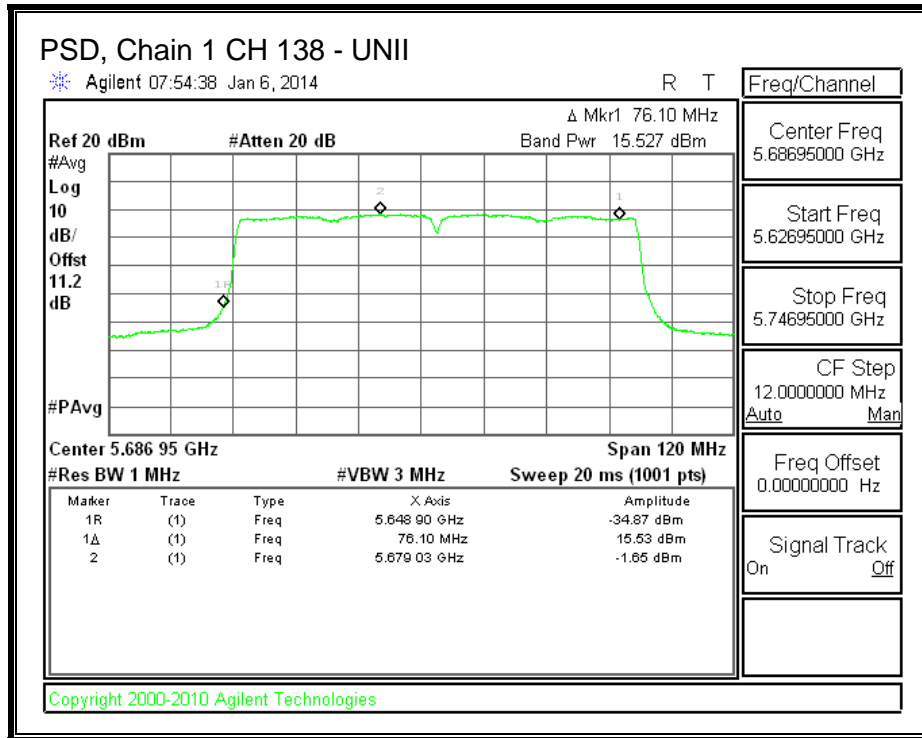
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Chain 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
138	5690	1.567	1.519	1.786	7.00	15.31	-8.31

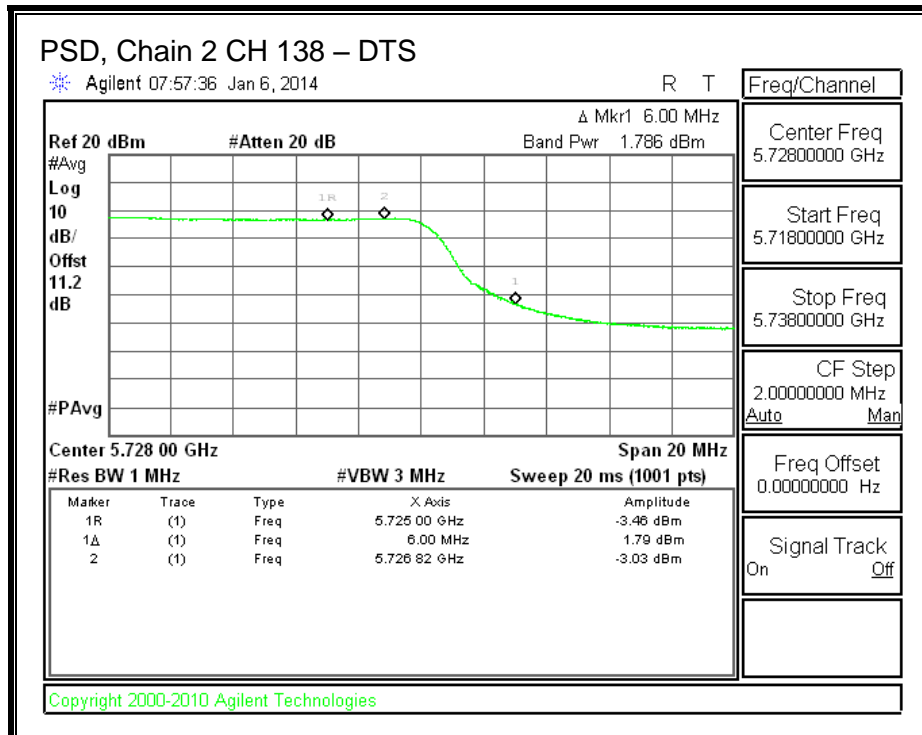
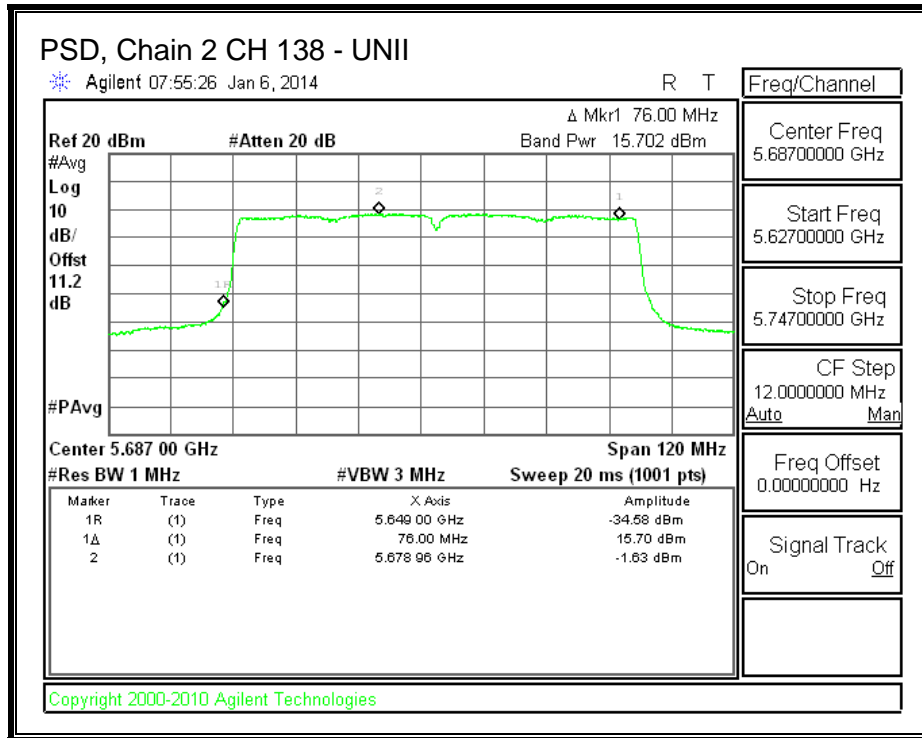
PPSD Results

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







9.40. 802.11a SISO MODE IN THE 5.8 GHz BAND

9.40.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	3.16	30.00
Mid	5785	3.16	30.00
High	5825	3.16	30.00

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

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	20.30	20.30	30.00	-9.70
Mid	5785	19.64	19.64	30.00	-10.36
High	5825	19.17	19.17	30.00	-10.83

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.40.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

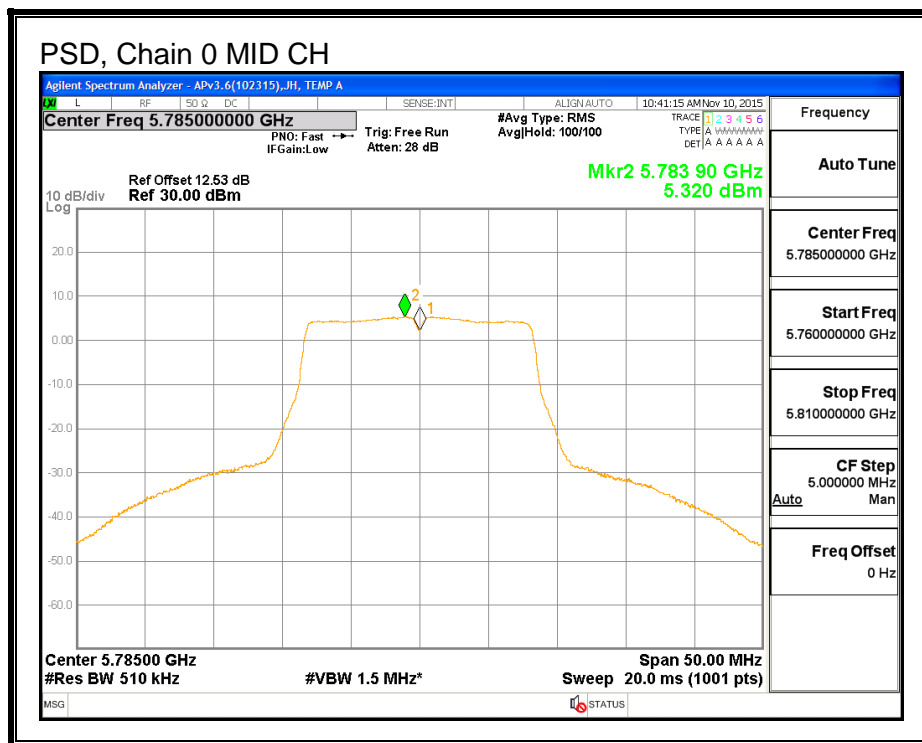
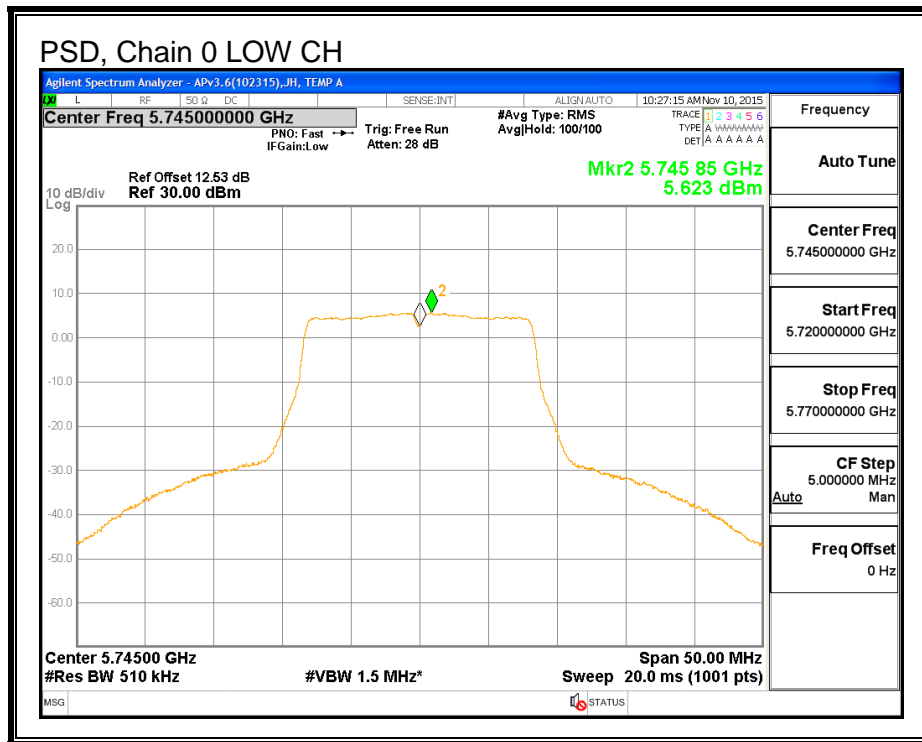
Antenna Gain and Limits

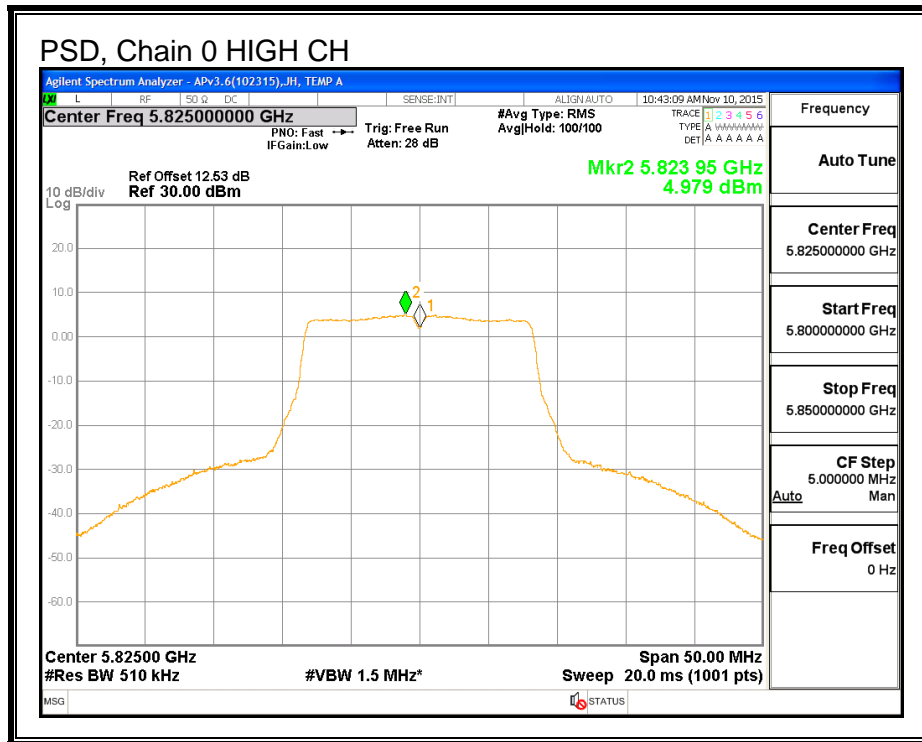
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	3.16	30.00
Mid	5785	3.16	30.00
High	5825	3.16	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
---------------------------	------	---

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	5.623	5.84	30.00	-24.16
Mid	5785	5.320	5.54	30.00	-24.46
High	5825	4.979	5.20	30.00	-24.80





9.41. 802.11n HT20 SISO MODE IN THE 5.8 GHz BAND

9.41.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)
Low	5745	3.16	30.00
Mid	5785	3.16	30.00
High	5825	3.16	30.00

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

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	17.81	17.81	30.00	-12.19
Mid	5785	21.04	21.04	30.00	-8.96
High	5825	20.17	20.17	30.00	-9.83

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.41.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

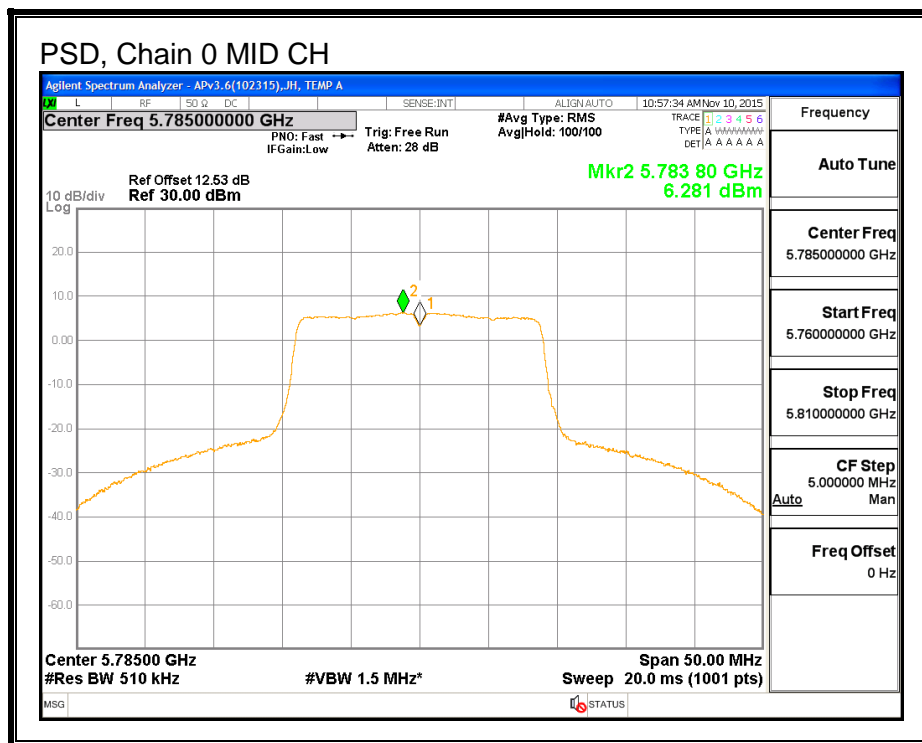
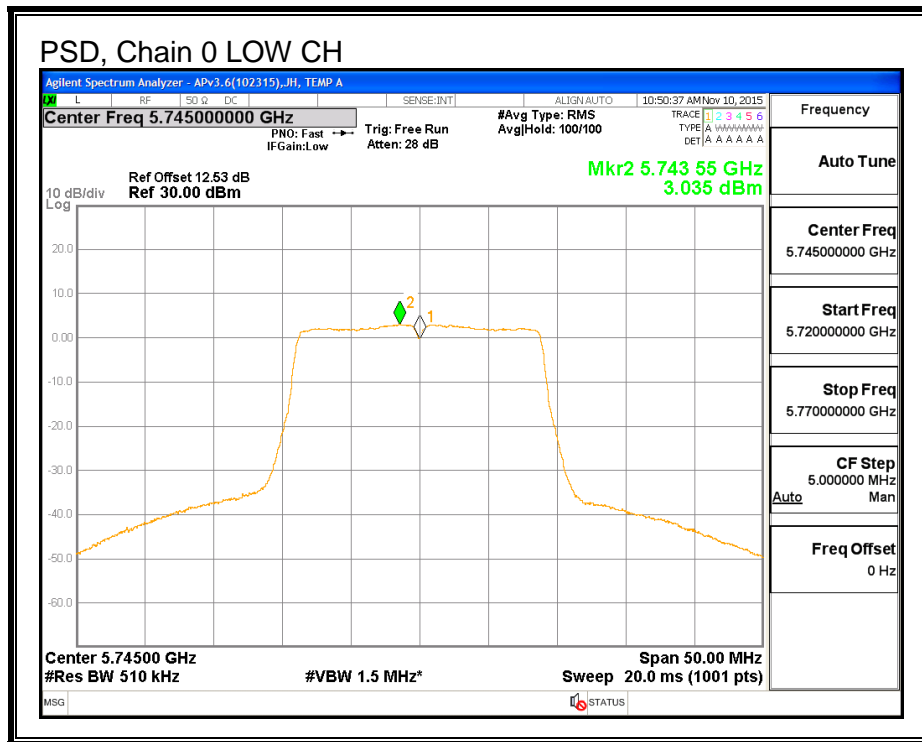
Antenna Gain and Limits

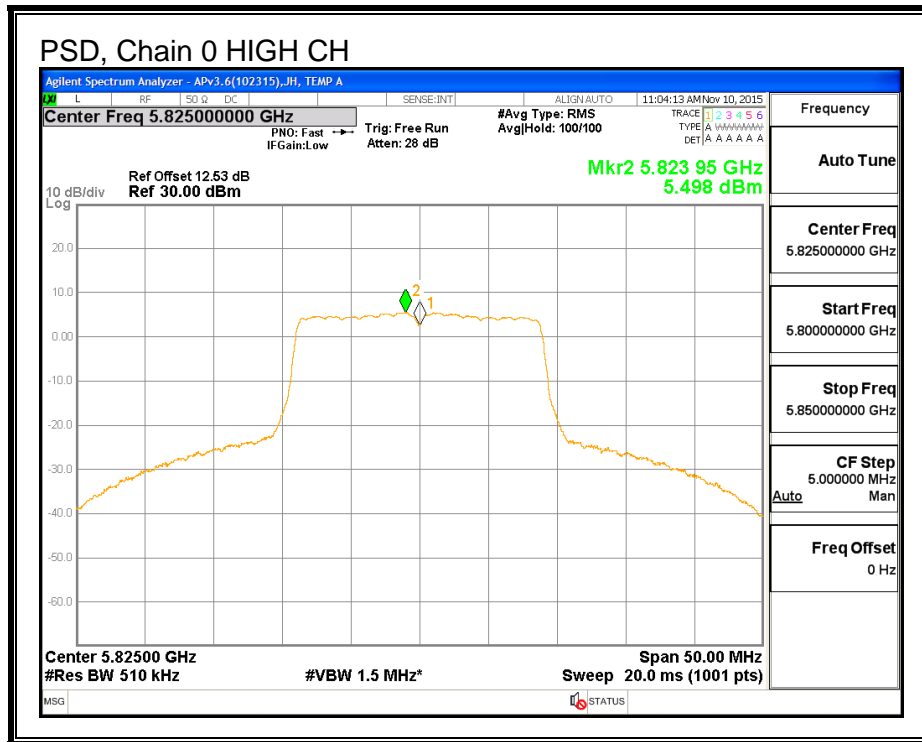
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	3.16	30.00
Mid	5785	3.16	30.00
High	5825	3.16	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	3.035	3.26	30.00	-26.75
Mid	5785	6.281	6.50	30.00	-23.50
High	5825	5.498	5.72	30.00	-24.28





9.42. 802.11n HT20 3TX CDD MODE IN THE 5.8 GHz BAND

9.42.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5745	3.16	30.00
Mid	5785	3.16	30.00
High	5825	3.16	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
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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)
Low	5745	15.98	15.77	15.65	20.57	30.00	-9.43
Mid	5785	15.26	15.19	15.00	19.92	30.00	-10.08
High	5825	17.83	17.98	17.64	22.59	30.00	-7.41

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.42.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

The TX chains are correlated and the antenna gain is the same for each chain. The directional gain is:

Antenna Gain (dBi)	10 * Log (3 chains) (dB)	Correlated Chains Directional Gain (dBi)
3.16	4.77	7.93

RESULTS

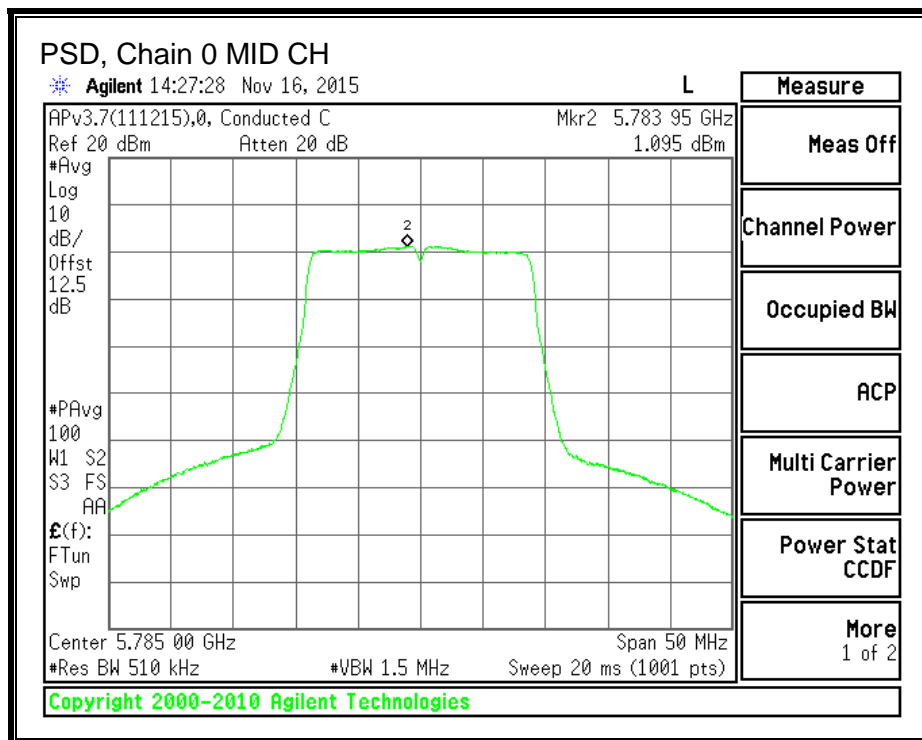
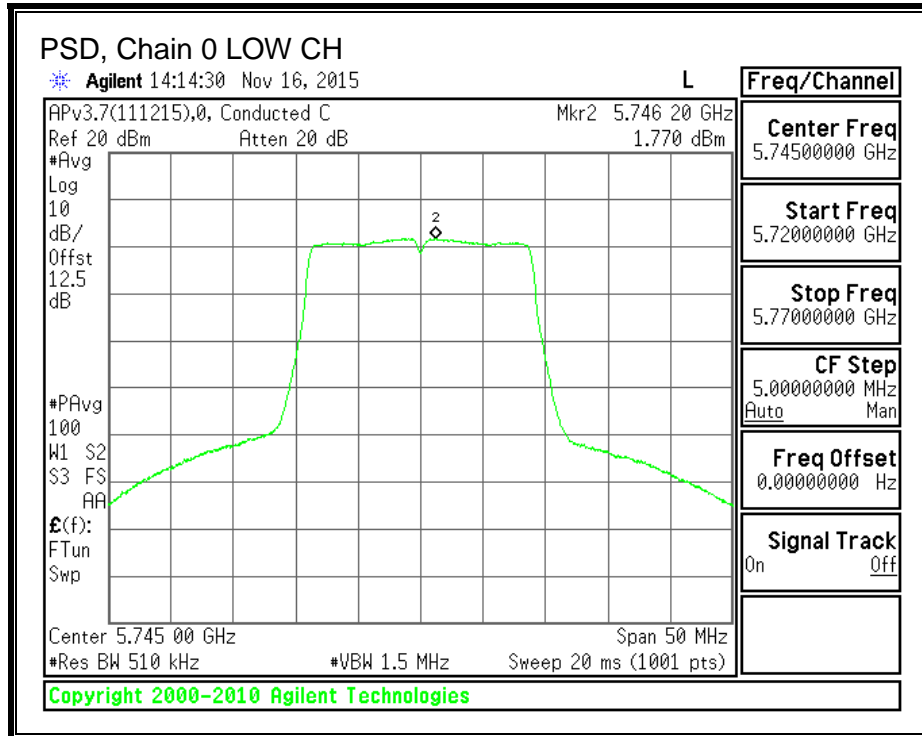
Antenna Gain and Limit

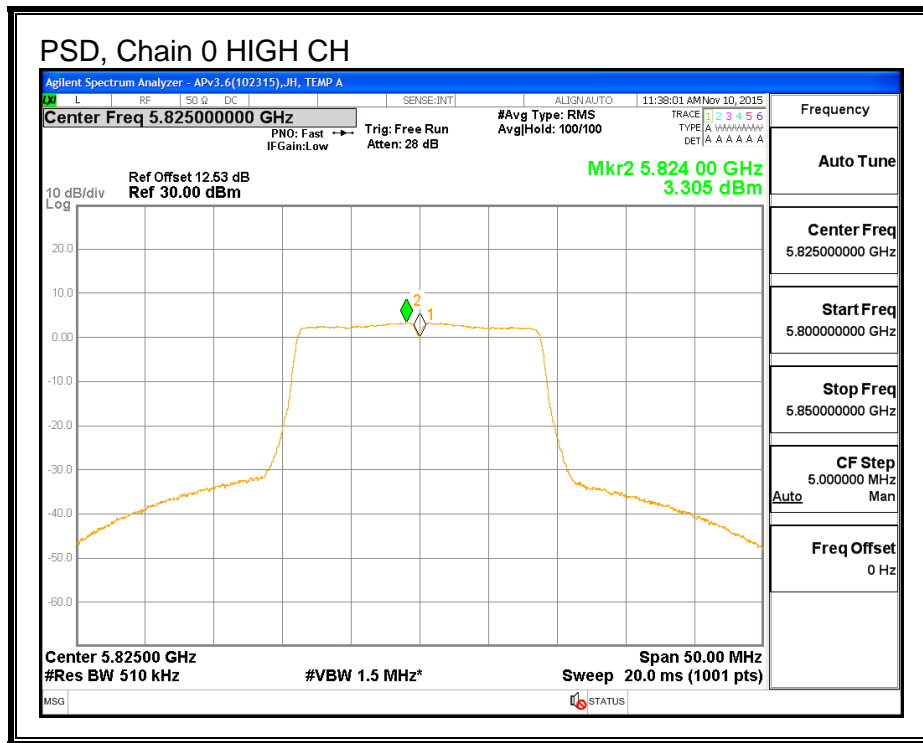
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5745	7.93	28.07
Mid	5785	7.93	28.07
High	5825	7.93	28.07

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
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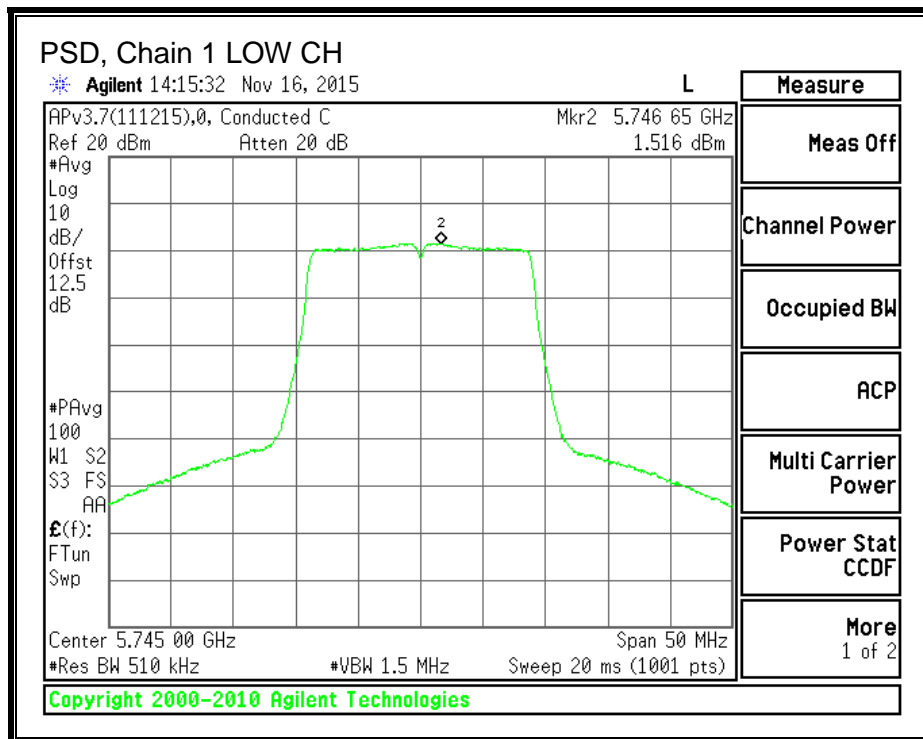
PSD Results

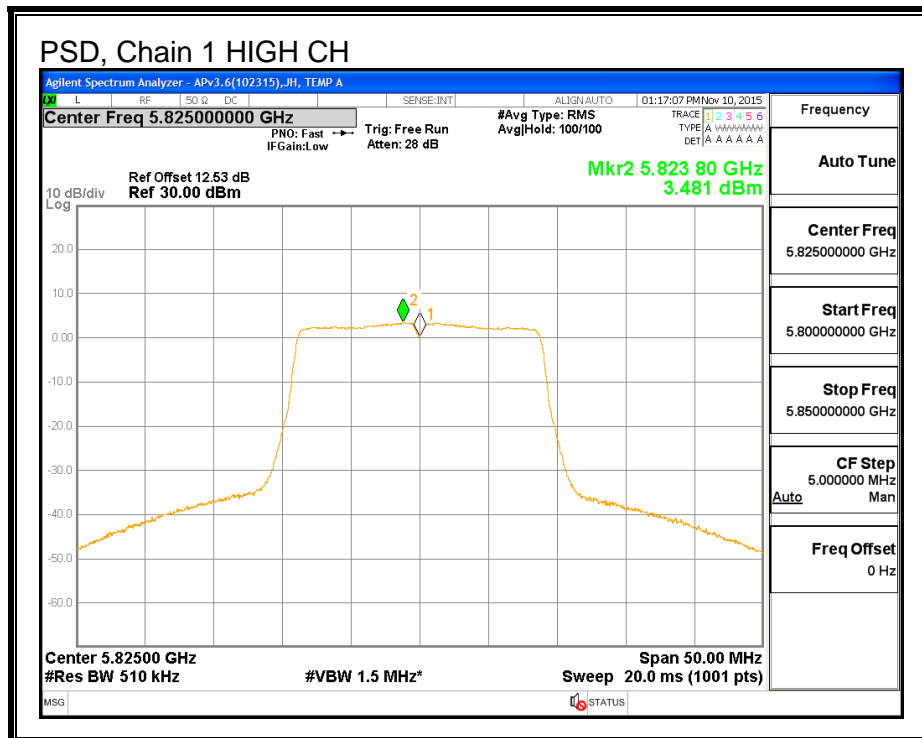
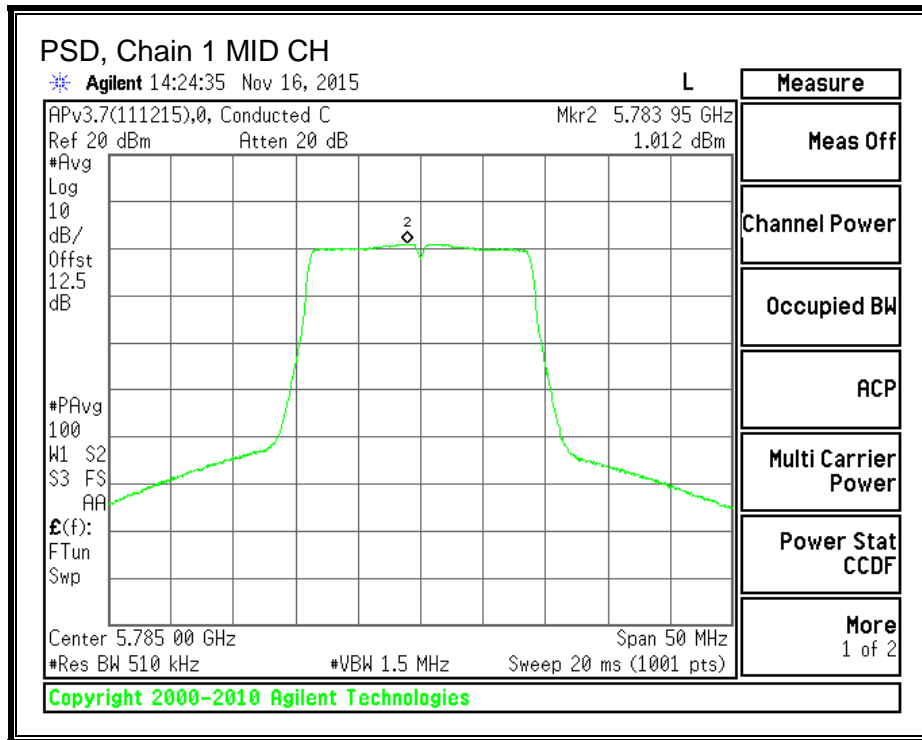
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5745	1.770	1.516	1.196	6.49	28.07	-21.58
Mid	5785	1.095	1.012	0.676	5.92	28.07	-22.15
High	5825	3.305	3.481	2.912	8.23	28.07	-19.84

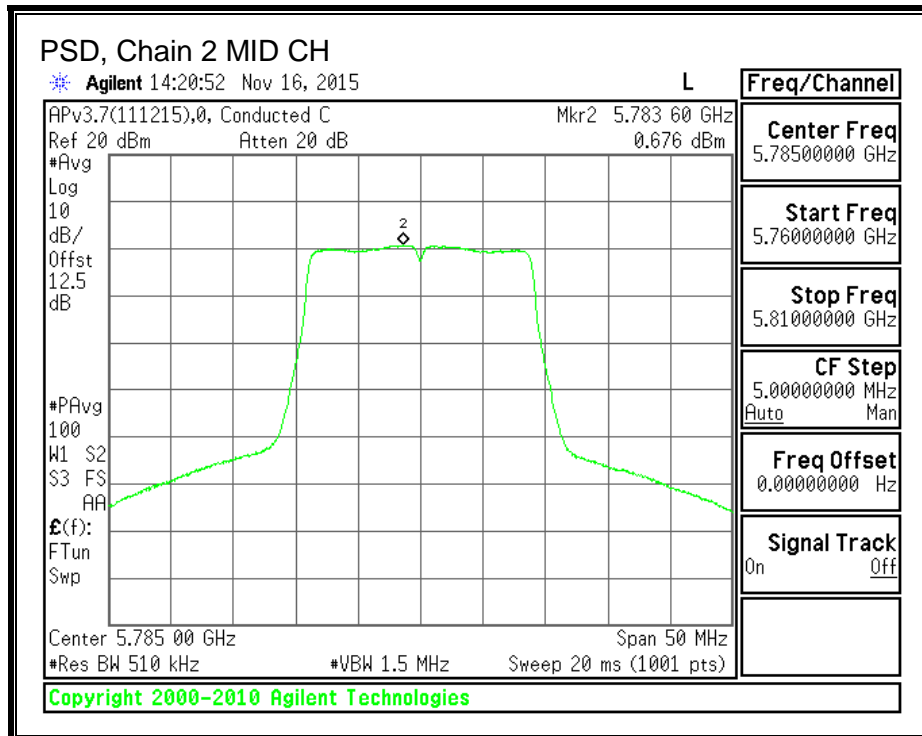
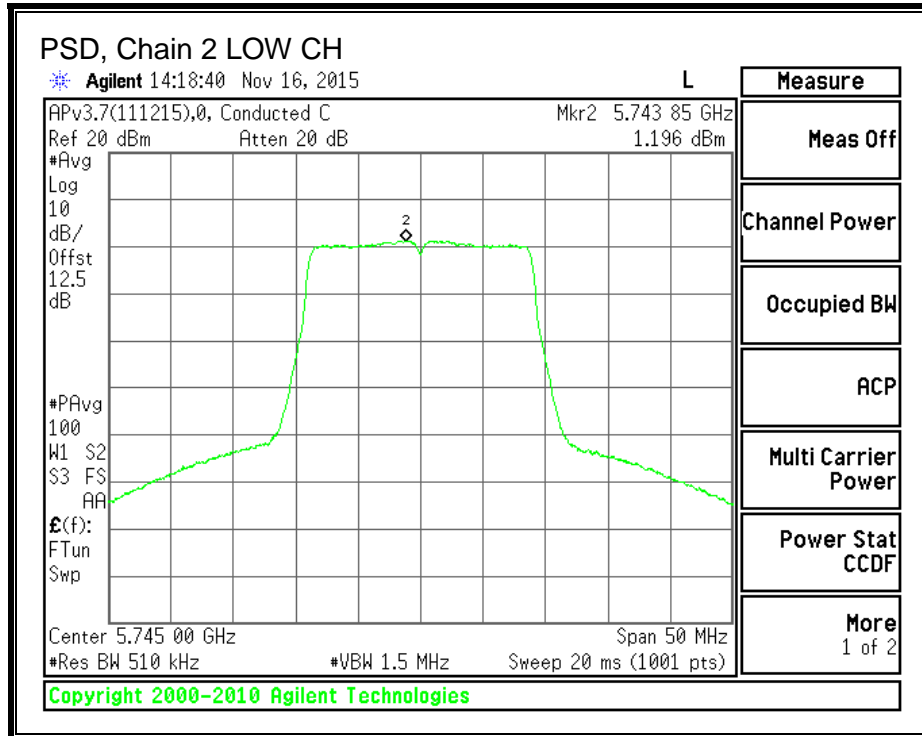


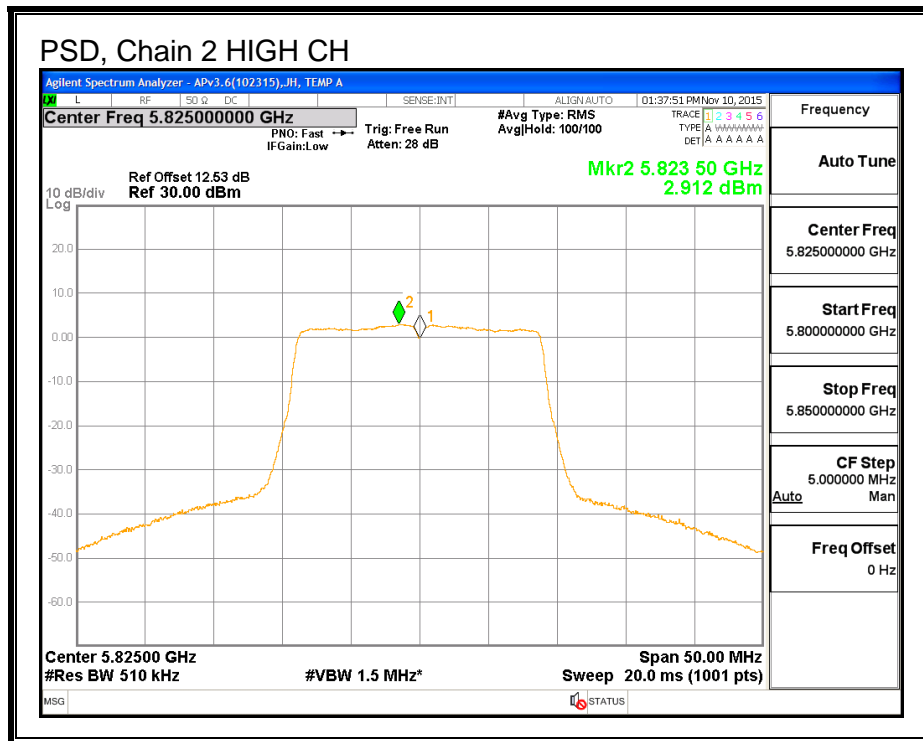


PSD, Chain 1









9.43. 802.11n HT40 SISO MODE IN THE 5.8 GHz BAND

9.43.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS**Antenna Gain and Limit**

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.16	30.00
High	5795	3.16	30.00

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

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.42	17.42	30.00	-12.58
High	5795	20.64	20.64	30.00	-9.36

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.43.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

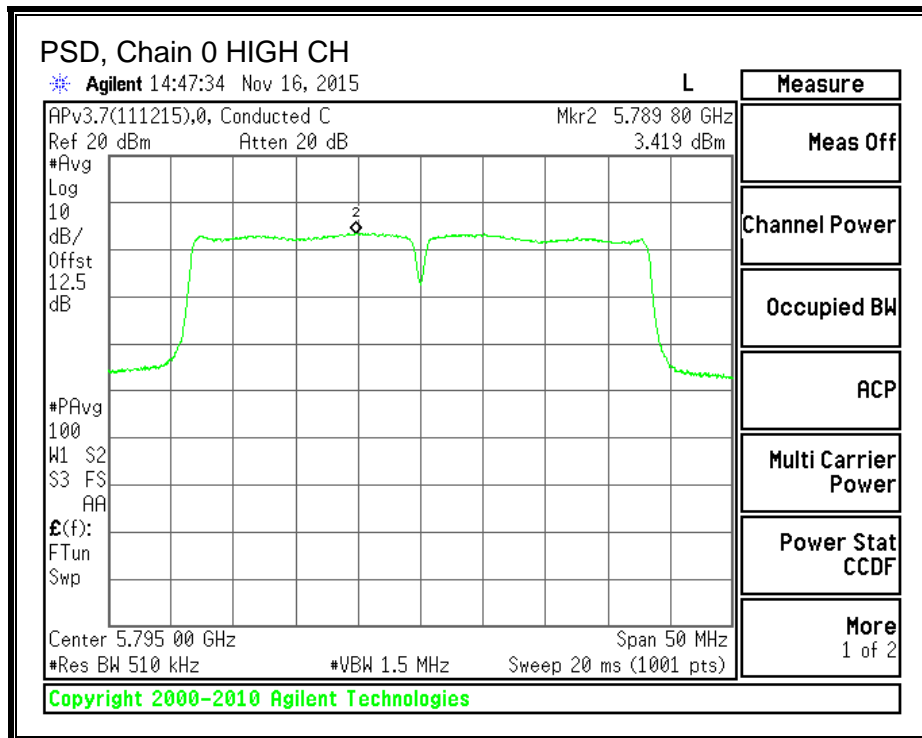
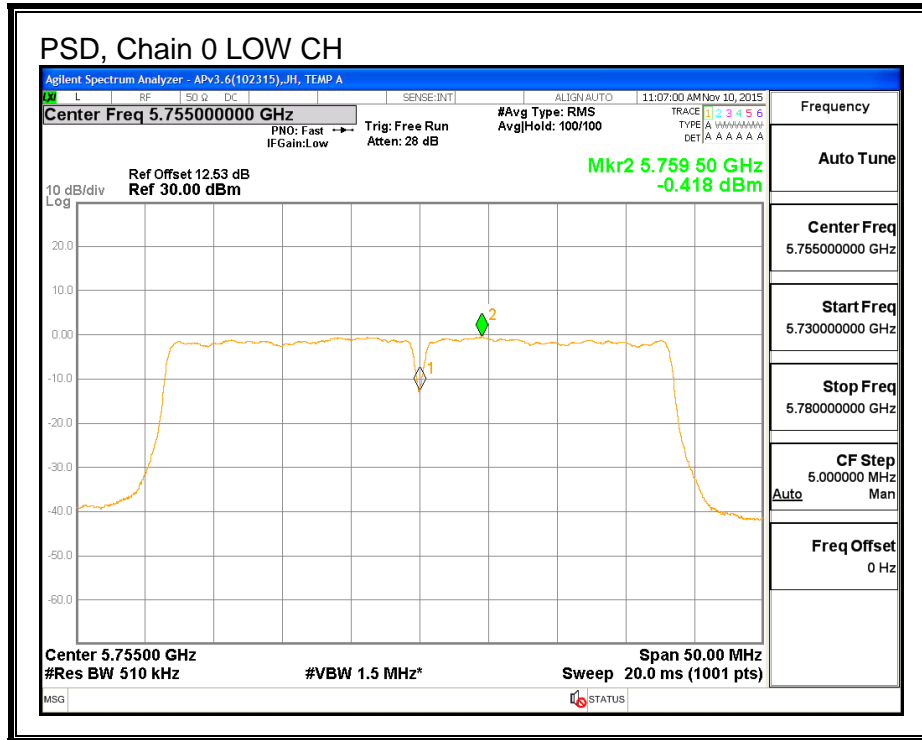
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	3.16	30.00
High	5795	3.16	30.00

Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-0.418	-0.20	30.00	-30.20
High	5795	3.419	3.64	30.00	-26.36



9.44. 802.11n HT40 3TX CDDMODE IN THE 5.8 GHz BAND

9.44.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Low	5755	3.16	30.00
High	5795	3.16	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
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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)
Low	5755	15.17	14.95	14.63	19.69	30.00	-10.31
High	5795	19.65	19.87	19.53	24.46	30.00	-5.54

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.44.1. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

The TX chains are correlated and the antenna gain is the same for each chain. The directional gain is:

Antenna Gain (dBi)	10 * Log (3 chains) (dB)	Correlated Chains Directional Gain (dBi)
3.16	4.77	7.93

RESULTS

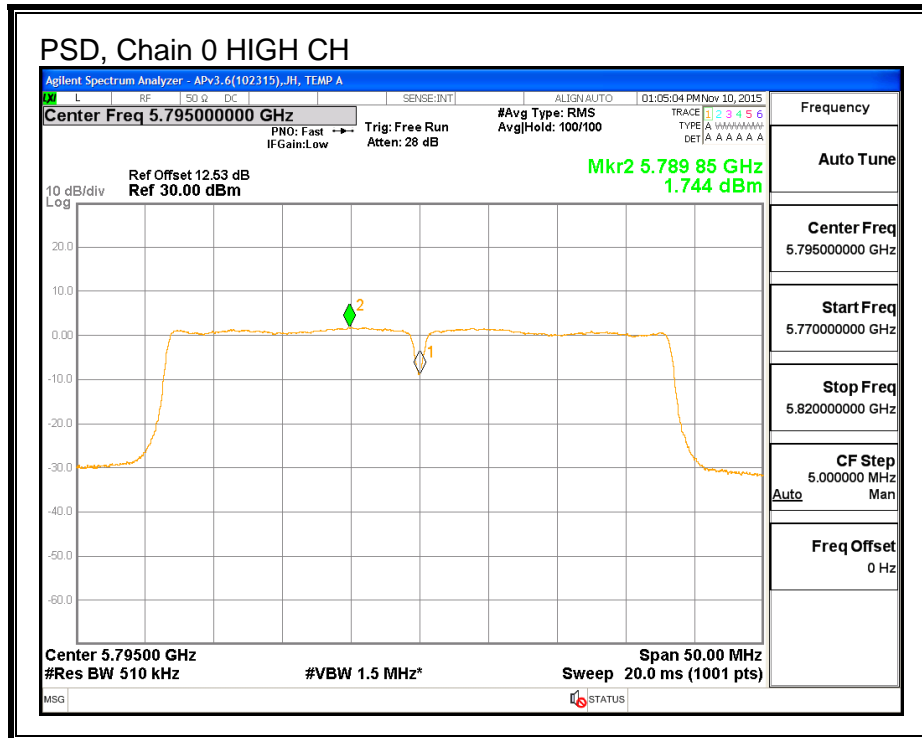
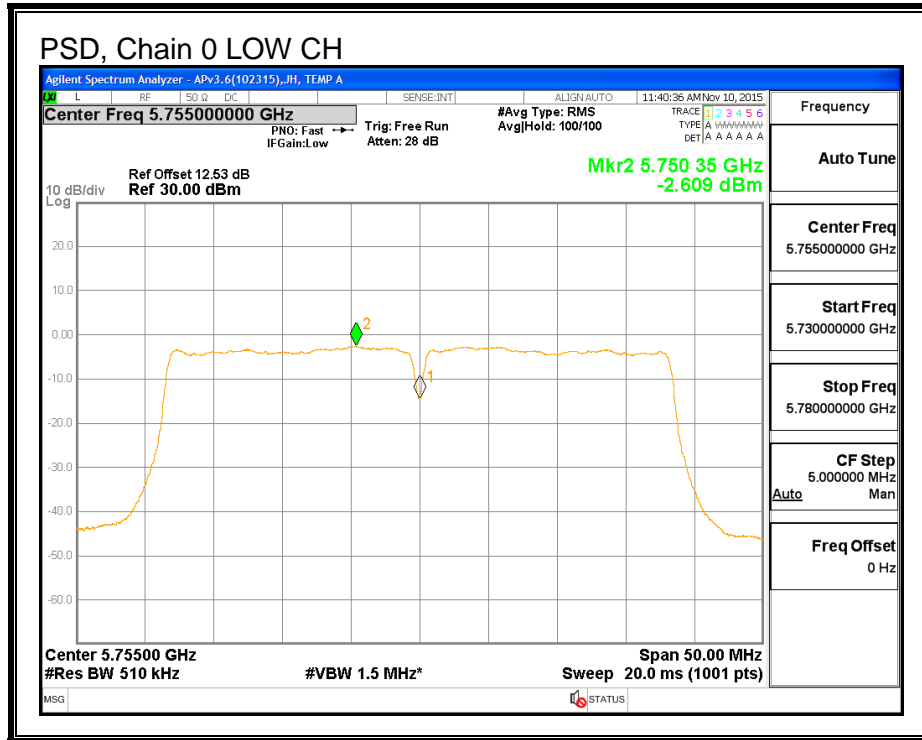
Antenna Gain and Limit

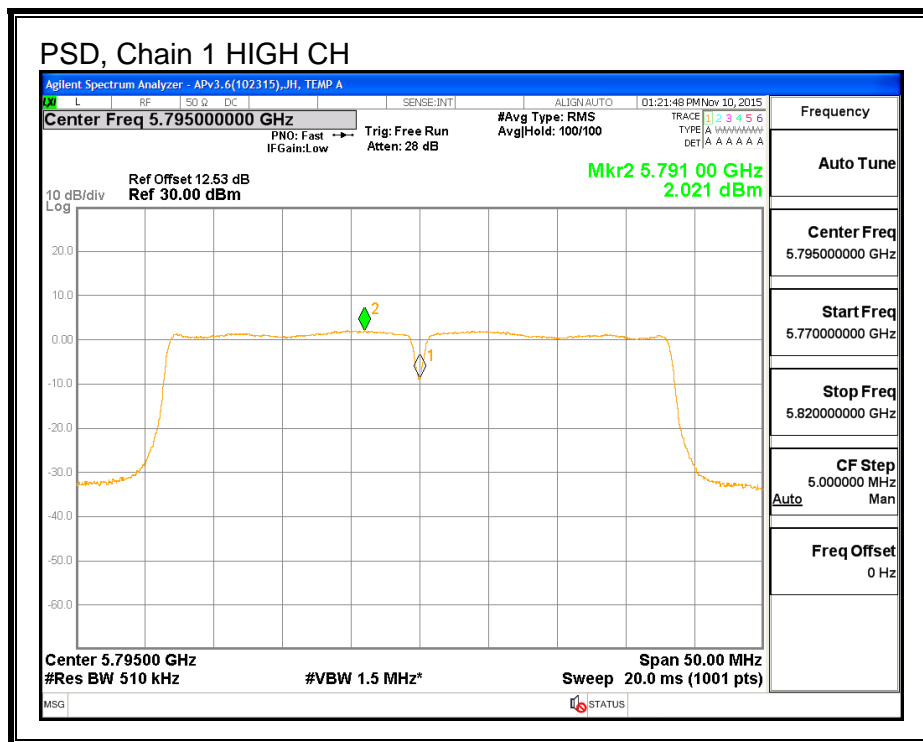
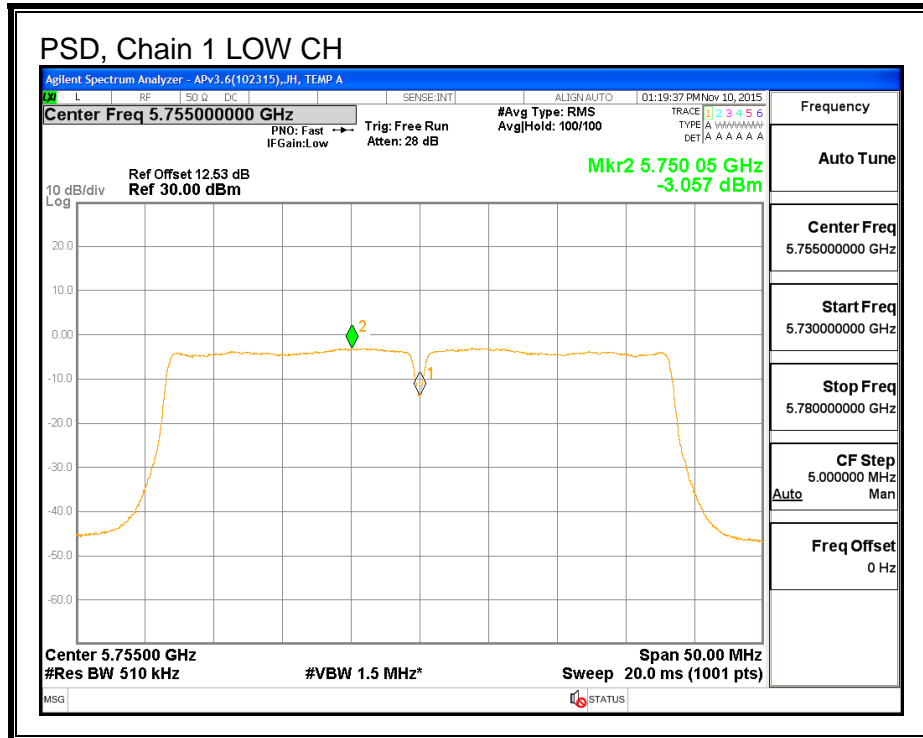
Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Low	5755	7.93	28.07
High	5795	7.93	28.07

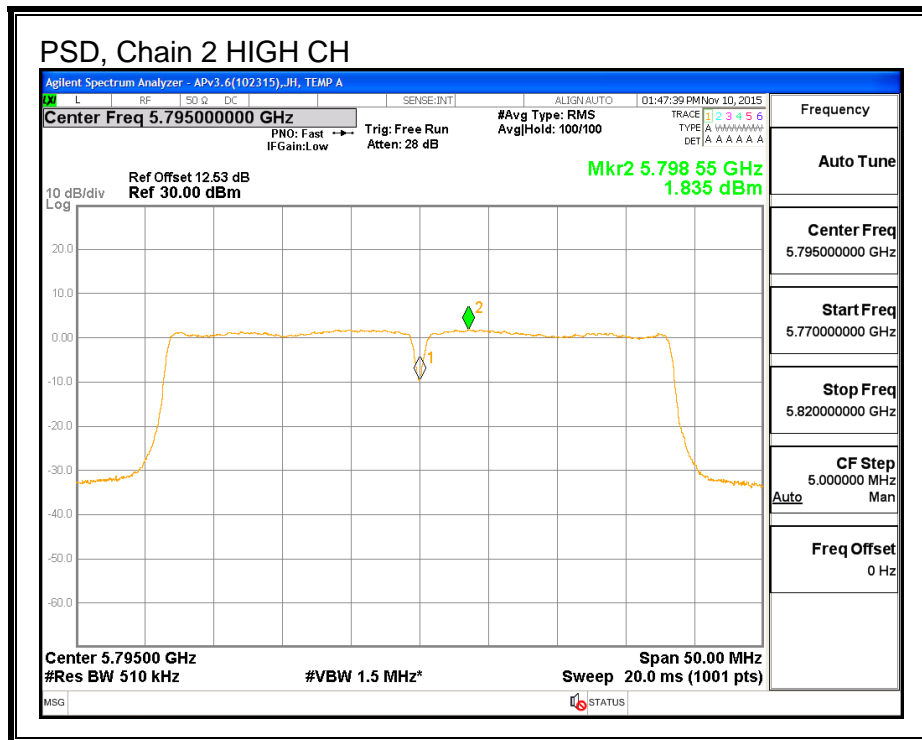
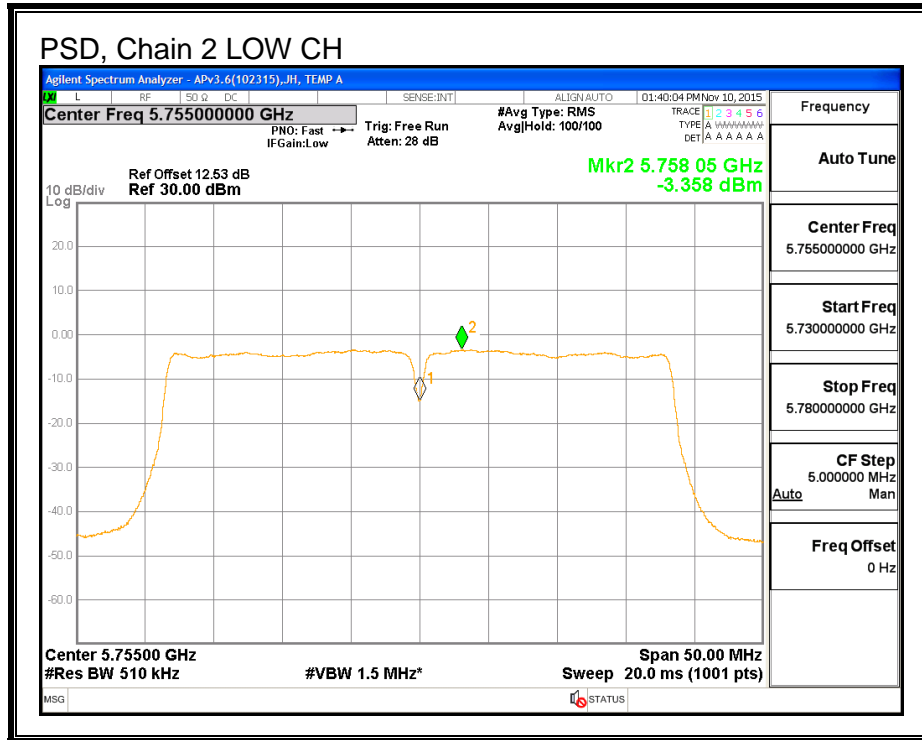
Duty Cycle CF (dB)	0.22	Included in Calculations of Corr'd PSD
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PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-2.609	-3.057	-3.358	1.99	28.07	-26.08
High	5795	1.744	2.021	1.835	6.86	28.07	-21.21







9.45. 802.11ac VHT80 SISO MODE IN THE 5.8 GHz BAND

9.45.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.16	30.00

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

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	15.44	15.44	30.00	-14.56

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.45.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

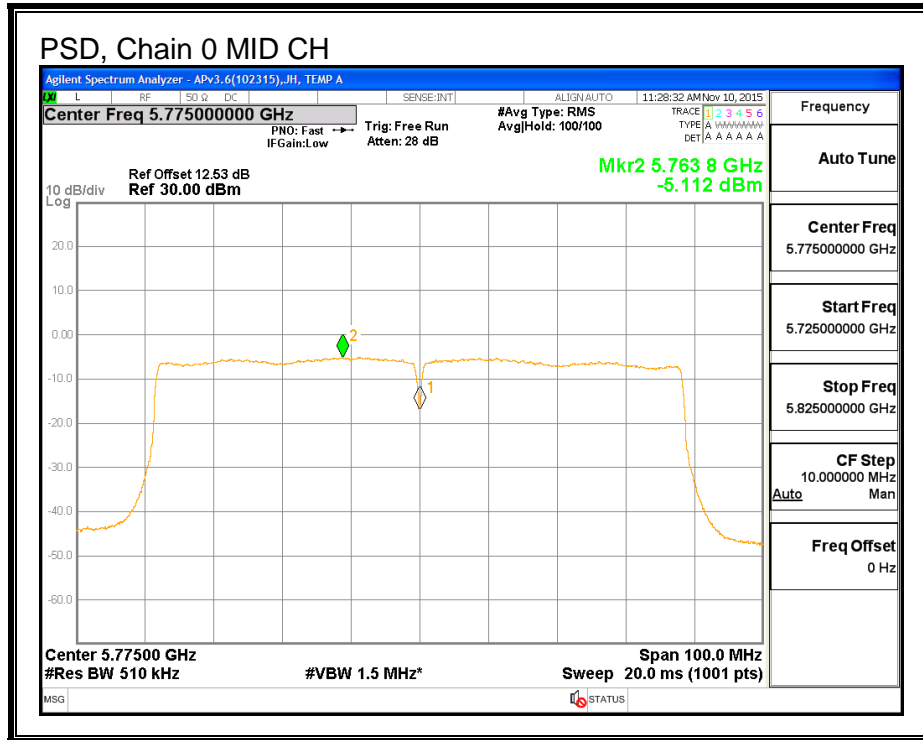
Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5755	3.16	30.00

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

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5755	-5.112	-4.85	30.00	-34.85



9.46. 802.11ac VHT80 3TX CDD MODE IN THE 5.8 GHz BAND

9.46.1. OUTPUT POWER

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

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

RESULTS

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)
Mid	5775	3.16	30.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power
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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)
Mid	5775	15.45	15.77	15.67	20.40	30.00	-9.60

Note: the power readings above were measured with gated method, and the measurement was taken only during the ON time. No duty cycle correction was necessary.

9.46.2. Maximum Power Spectral Density (PSD)

LIMITS

FCC §15.407 (a) (3)

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

DIRECTIONAL ANTENNA GAIN

The TX chains are correlated and the antenna gain is the same for each chain. The directional gain is:

Antenna Gain (dBi)	10 * Log (3 chains) (dB)	Correlated Chains Directional Gain (dBi)
3.16	4.77	7.93

RESULTS

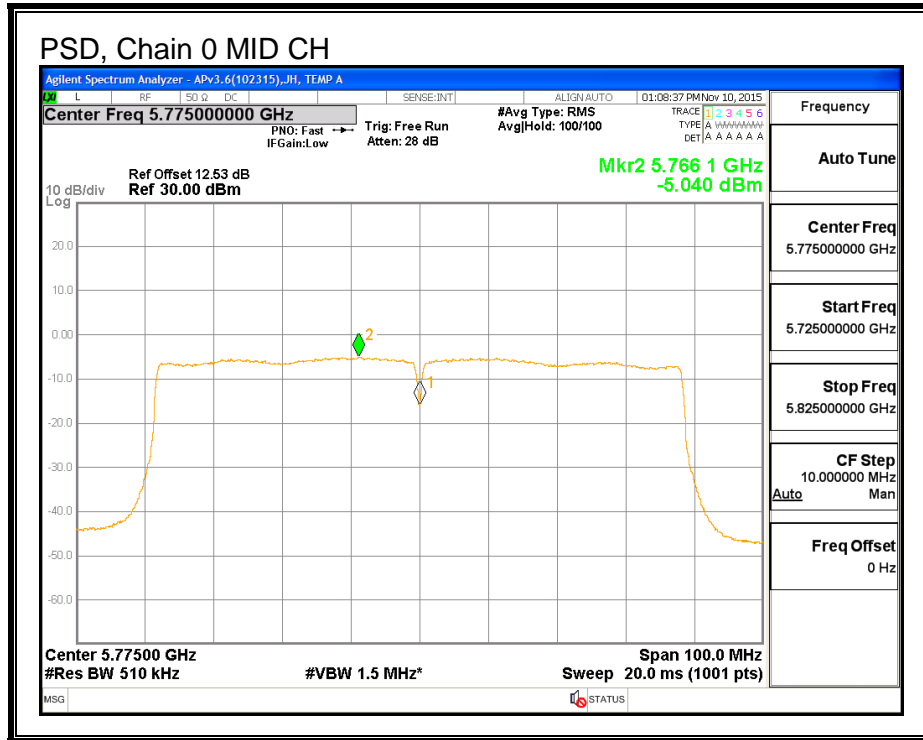
Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	PSD Limit (dBm)
Mid	5775	7.93	28.07

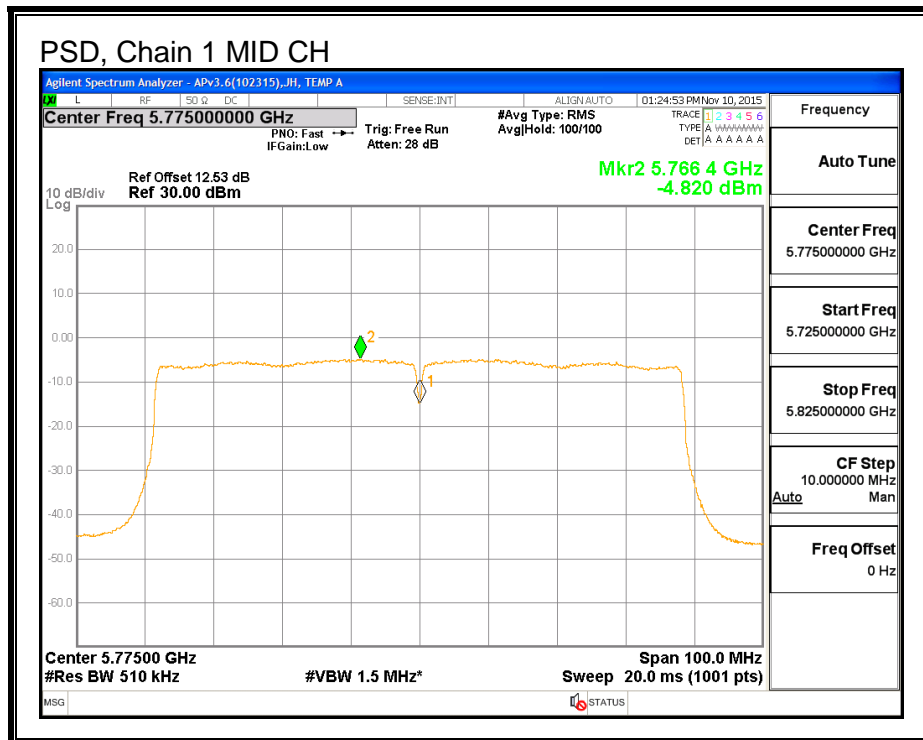
Duty Cycle CF (dB)	0.26	Included in Calculations of Corr'd PSD
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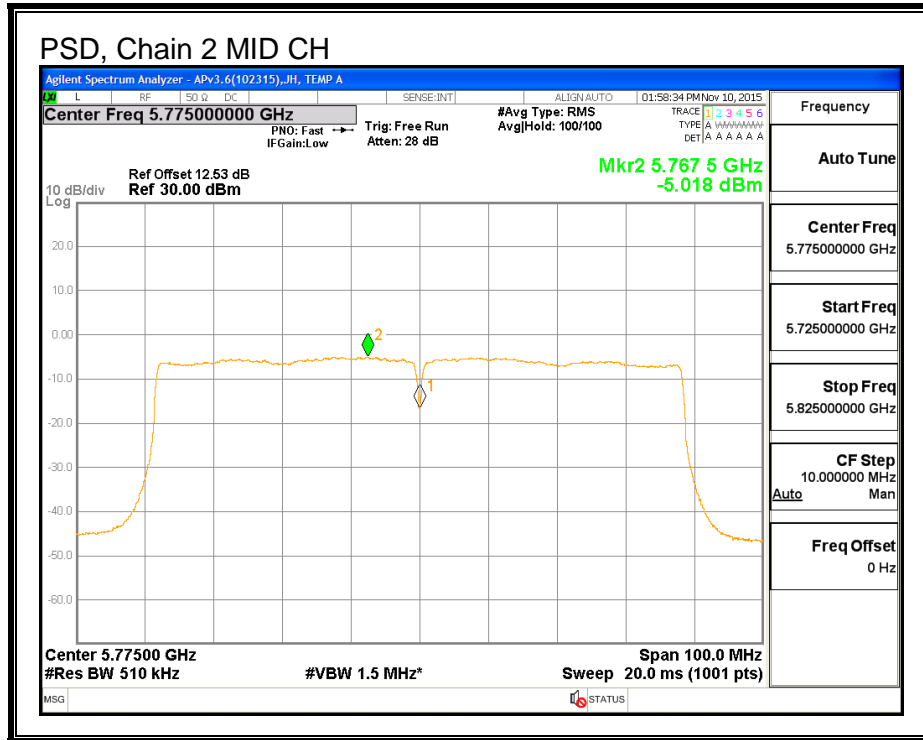
PPSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm)	Chain 1 Meas PSD (dBm)	Chain 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Mid	5775	-5.040	-4.820	-5.018	0.07	28.07	-28.00



PSD, Chain 1





10. RADIATED TEST RESULTS

10.1. 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.

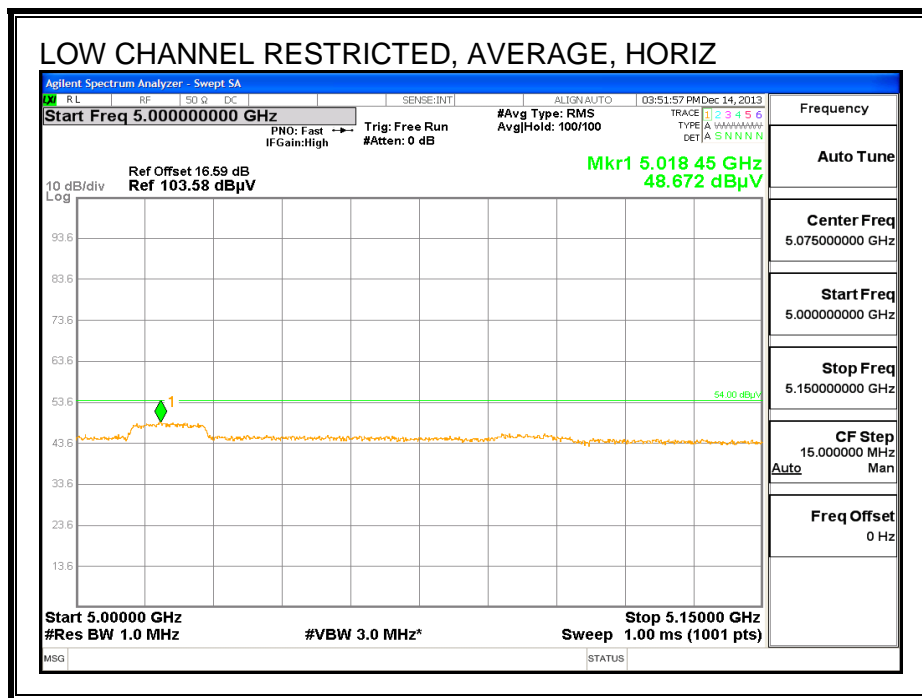
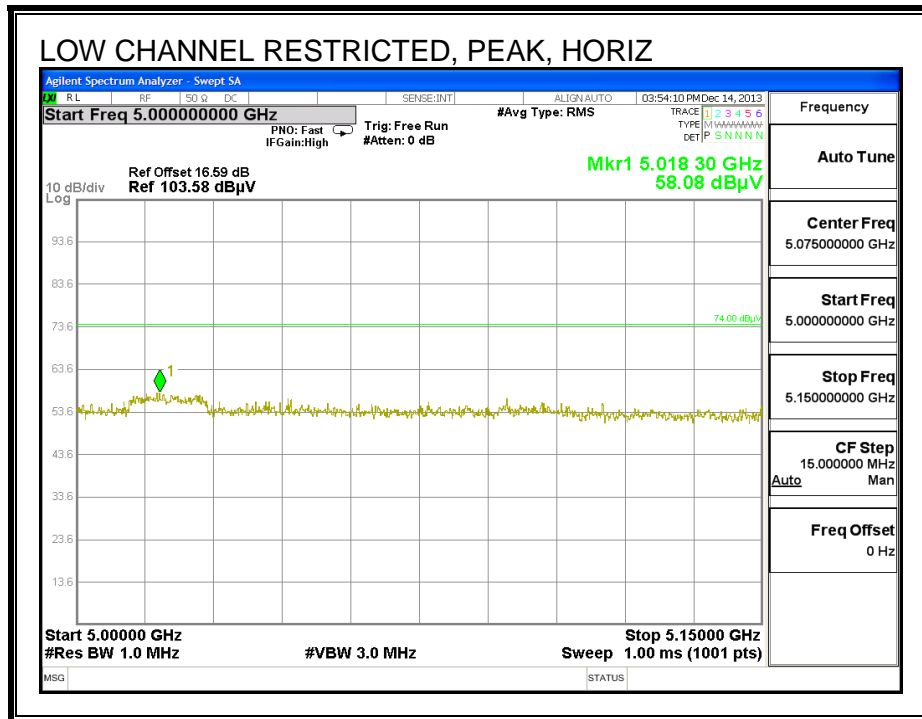
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

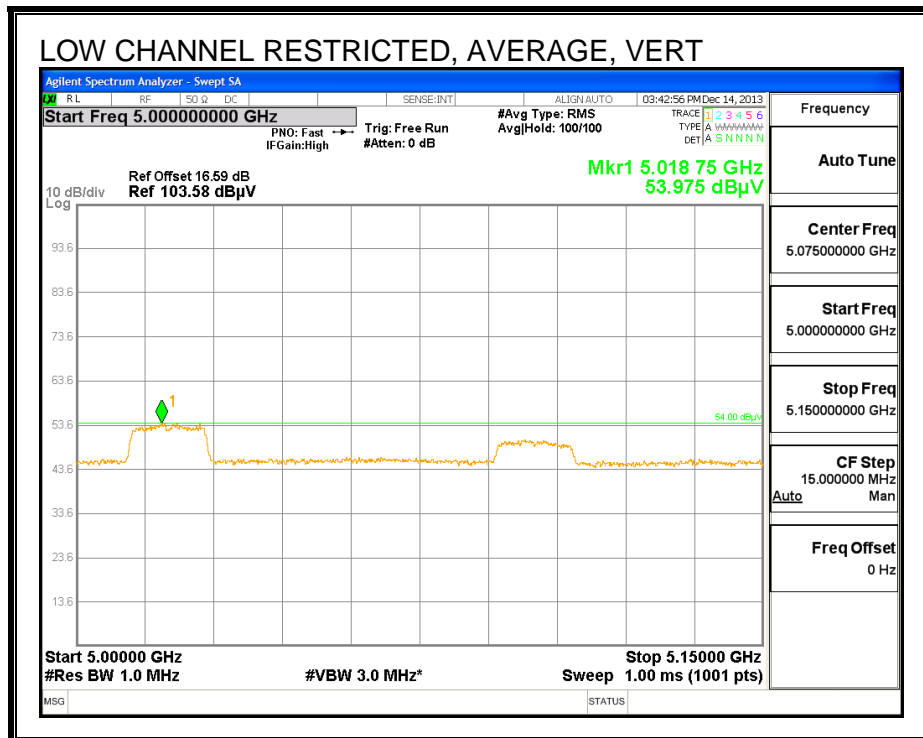
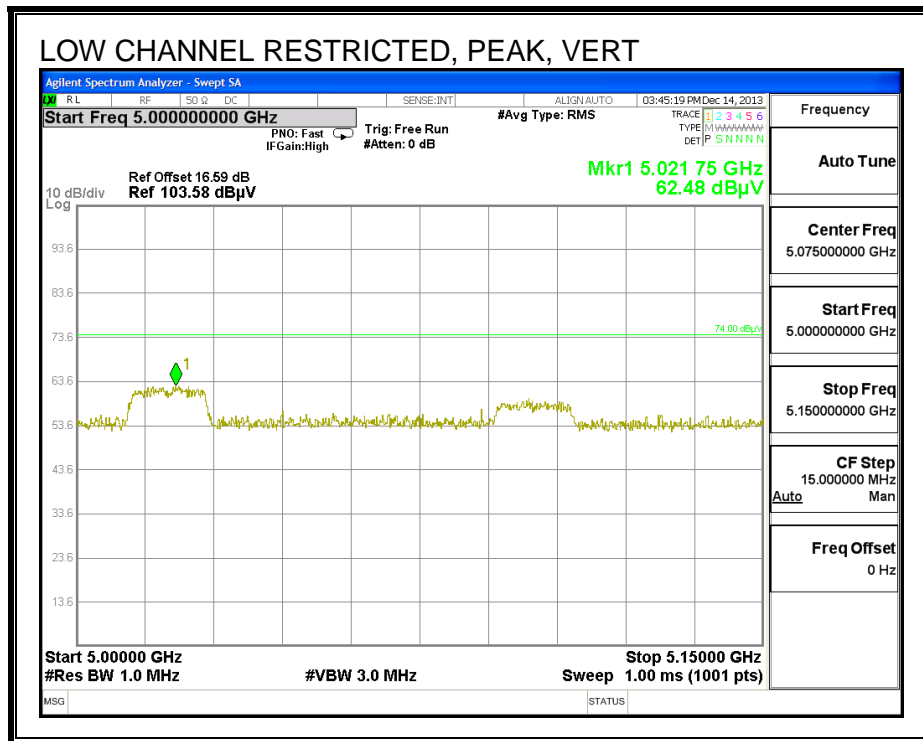
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. 802.11a 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)





CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Filtr/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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Fitr/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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Ftr/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

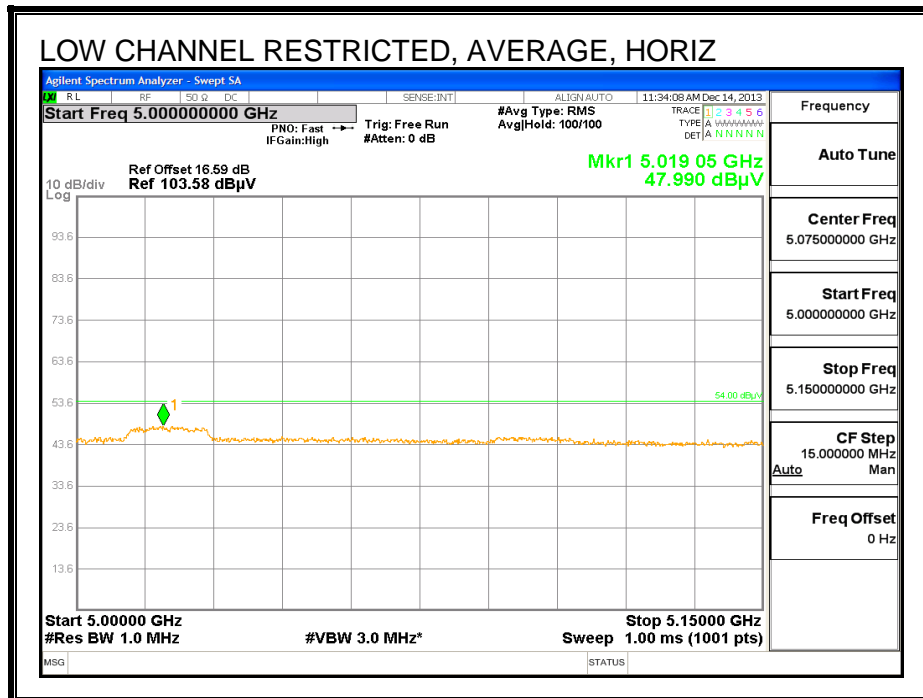
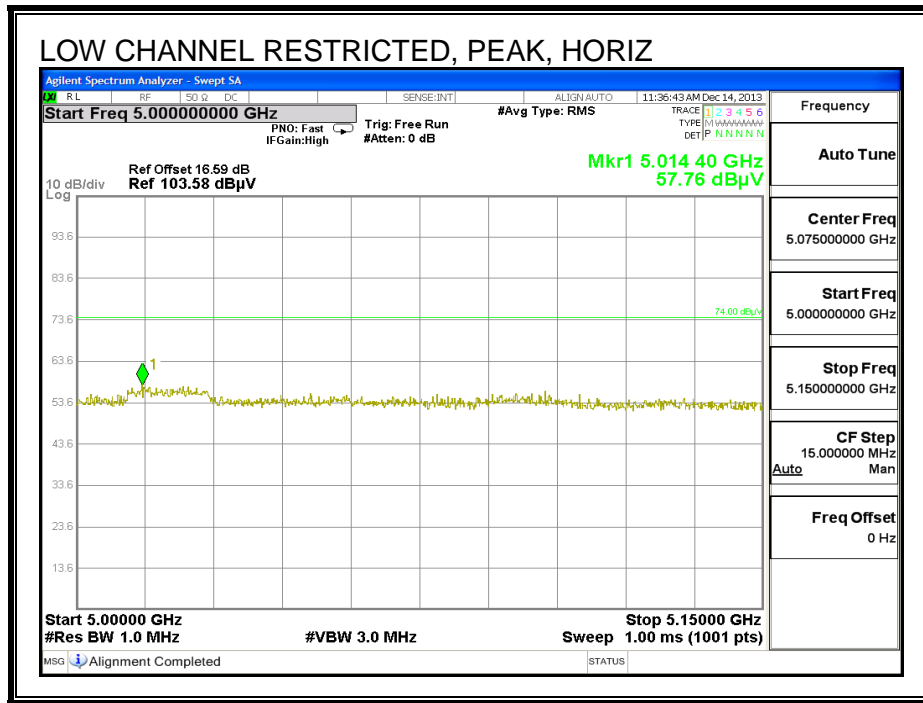
PK - Peak detector

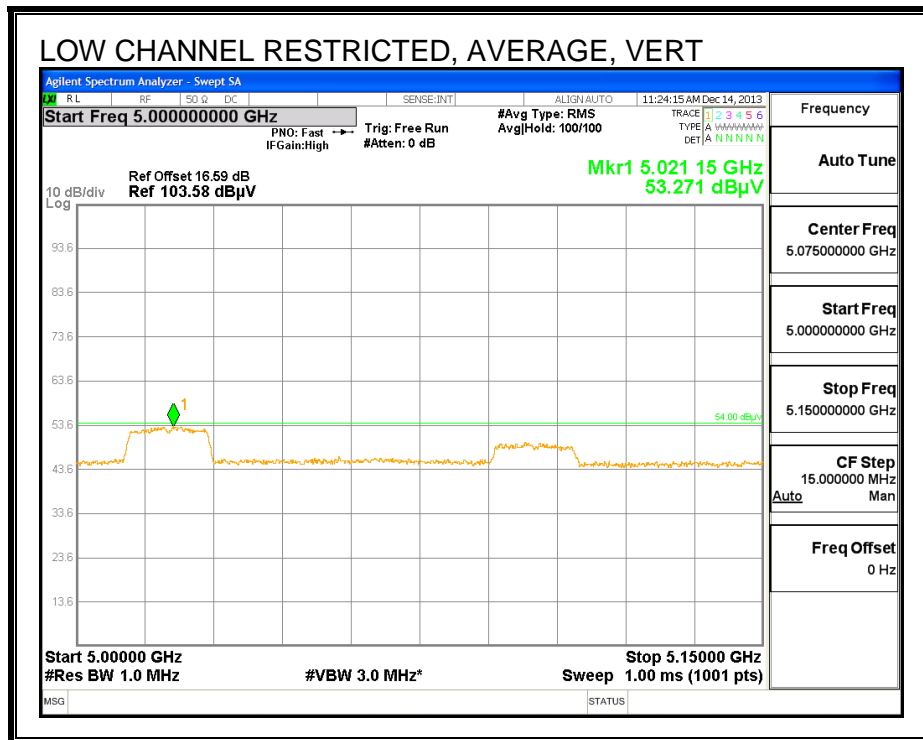
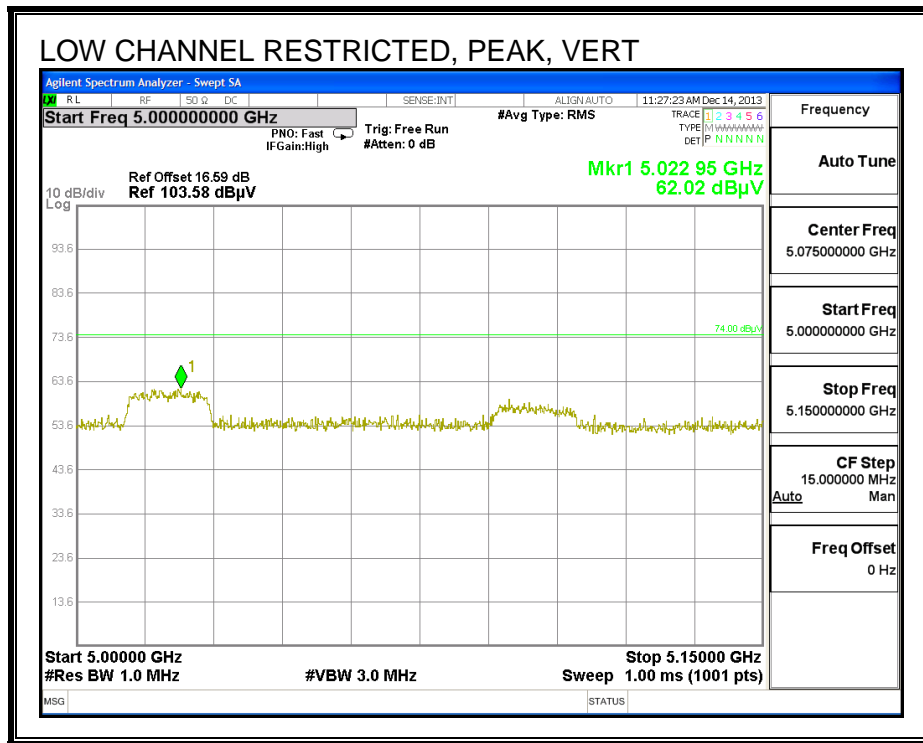
Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.2. 802.11n HT20 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)





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

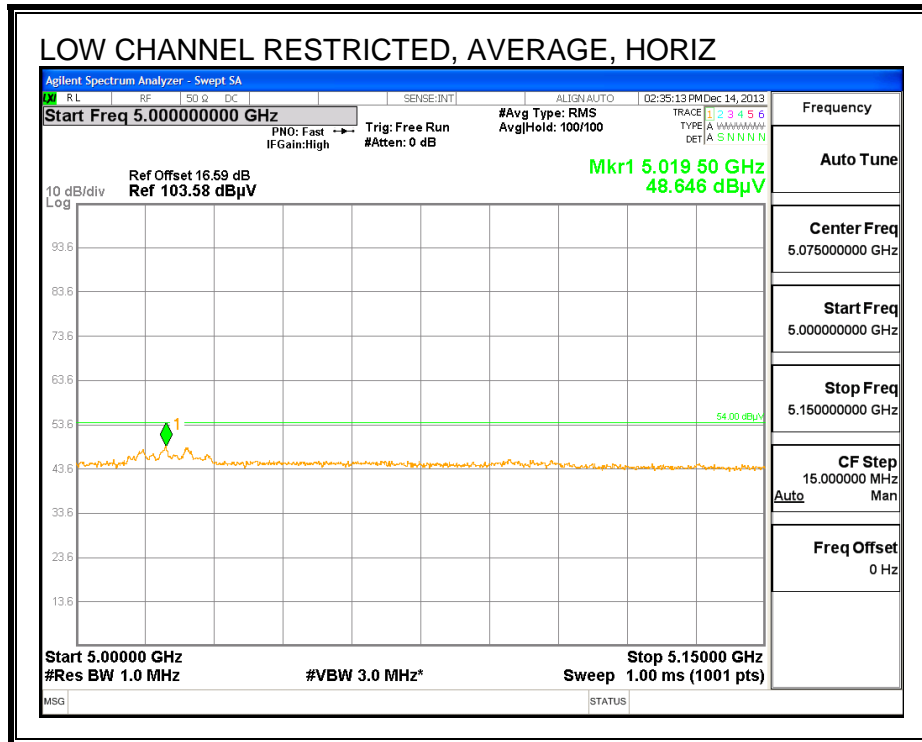
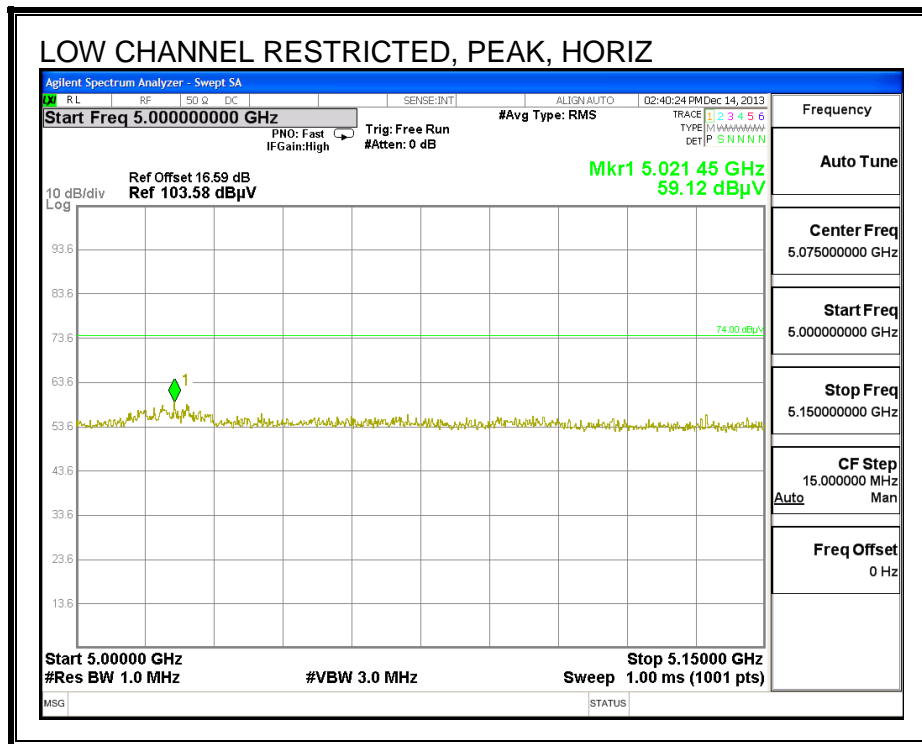
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

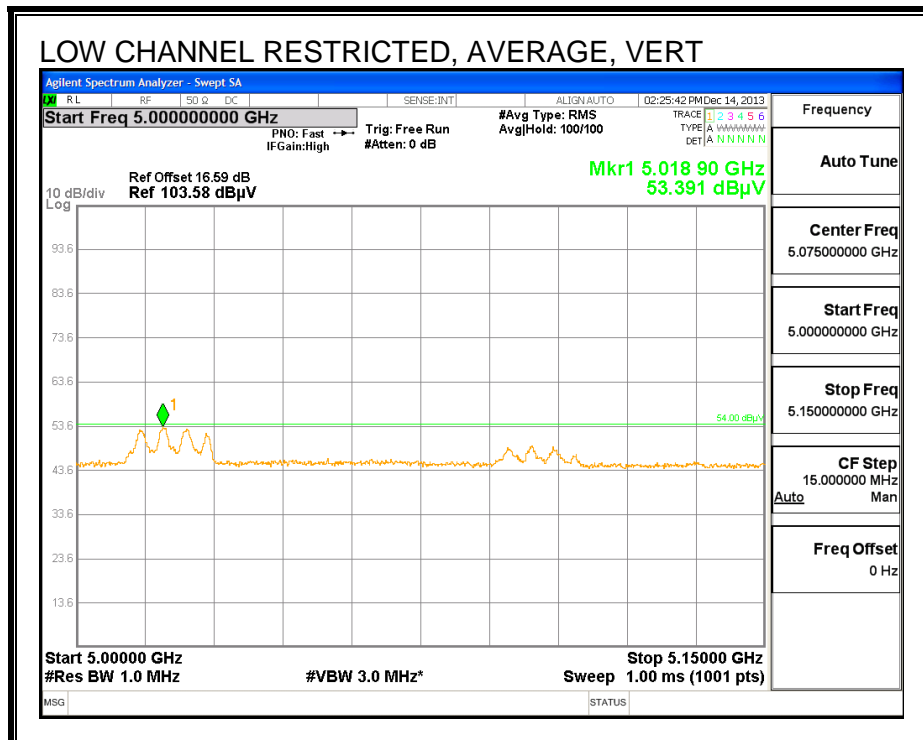
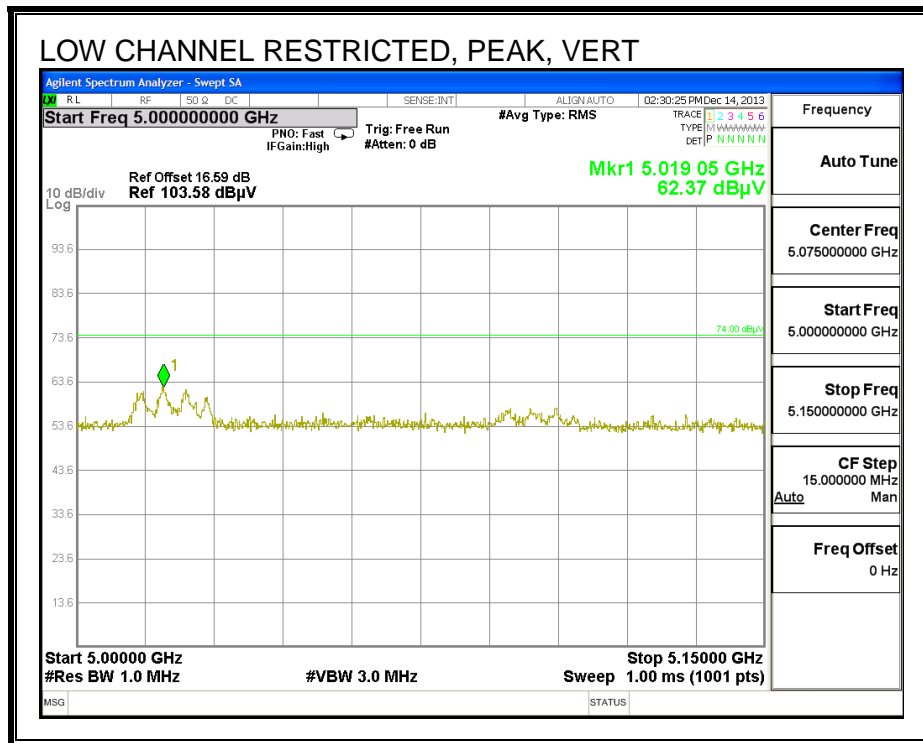
PK - Peak detector

Av - average detection

10.2.3. 802.11n HT20 3TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)





CH 36 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AFT346 (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

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

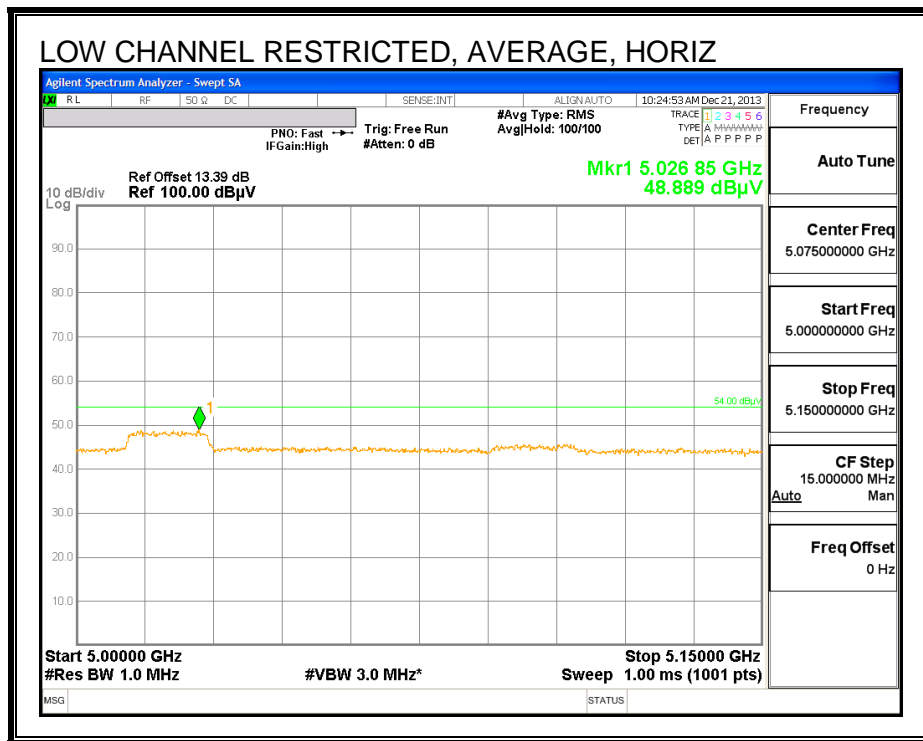
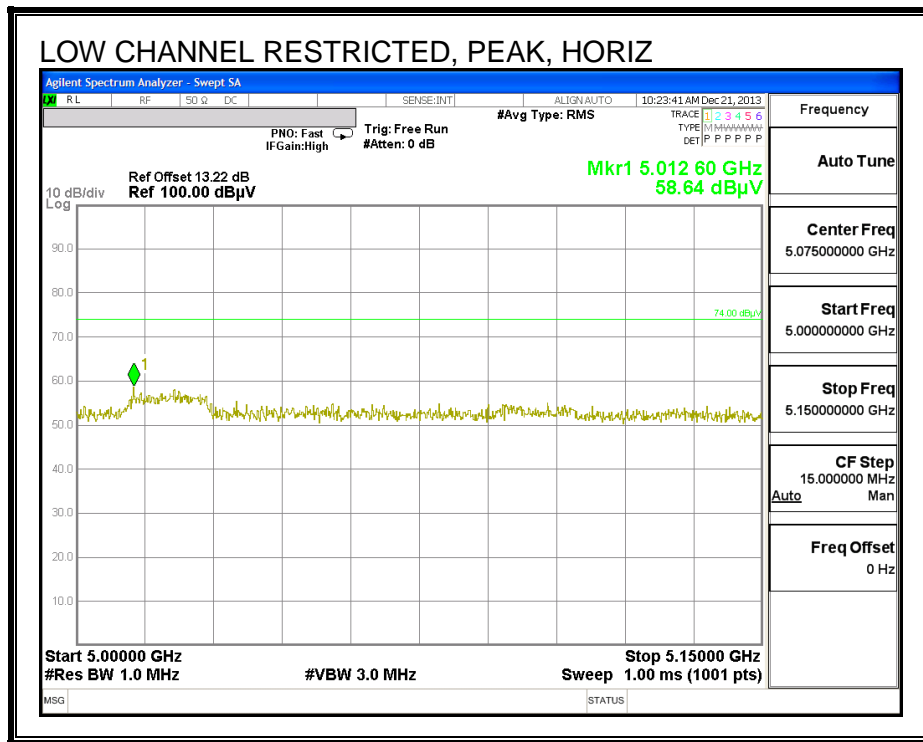
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

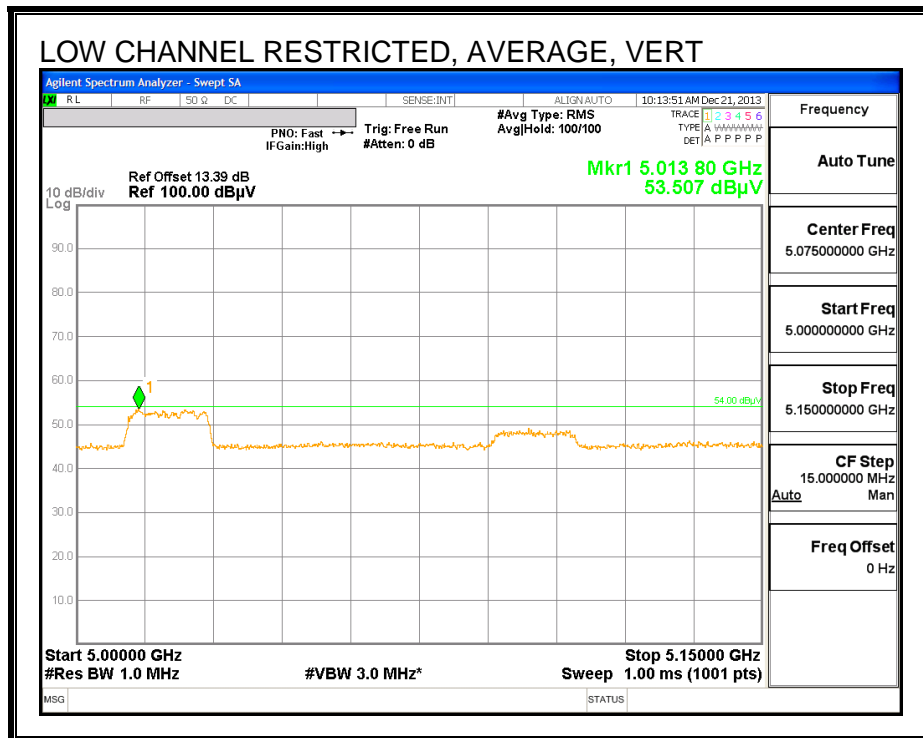
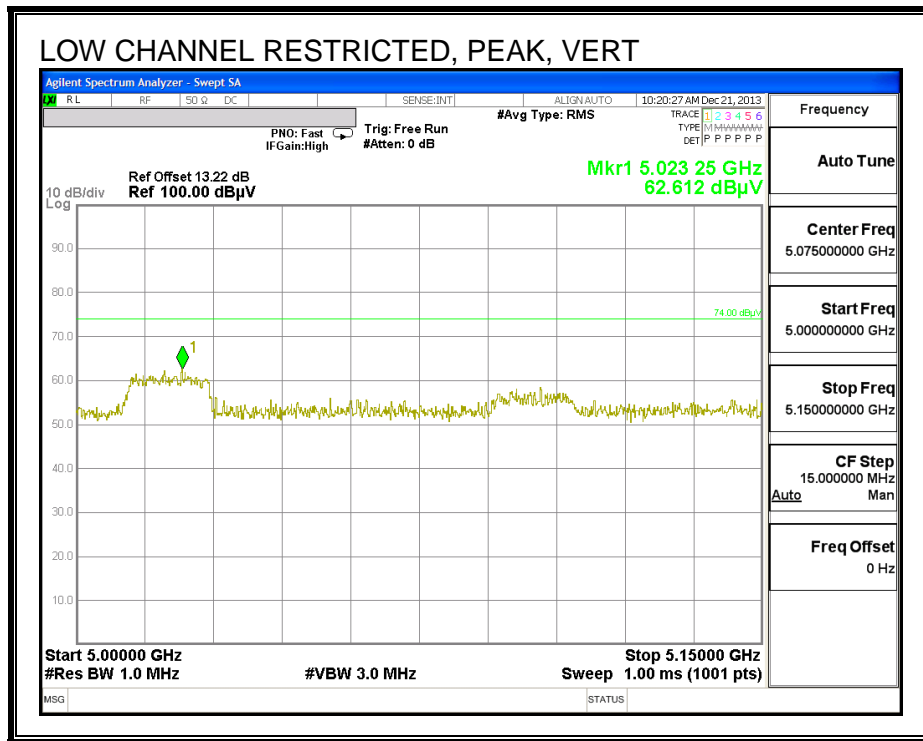
PK - Peak detector

Avg - Video bandwidth < Resolution bandwidth

10.2.4. 802.11n HT20 3TX SDM MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 36)





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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/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

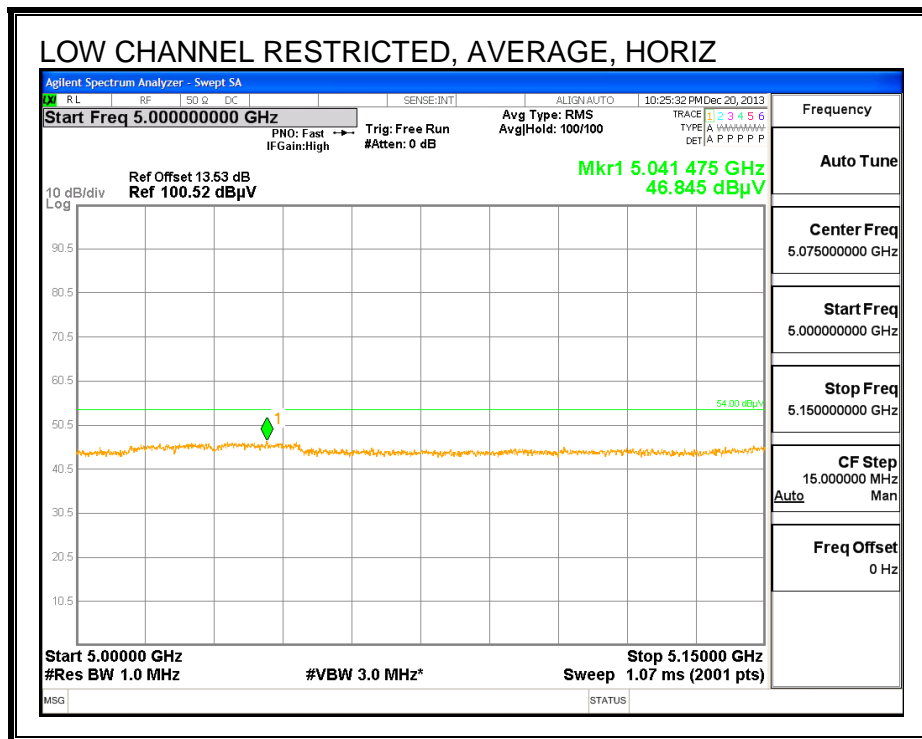
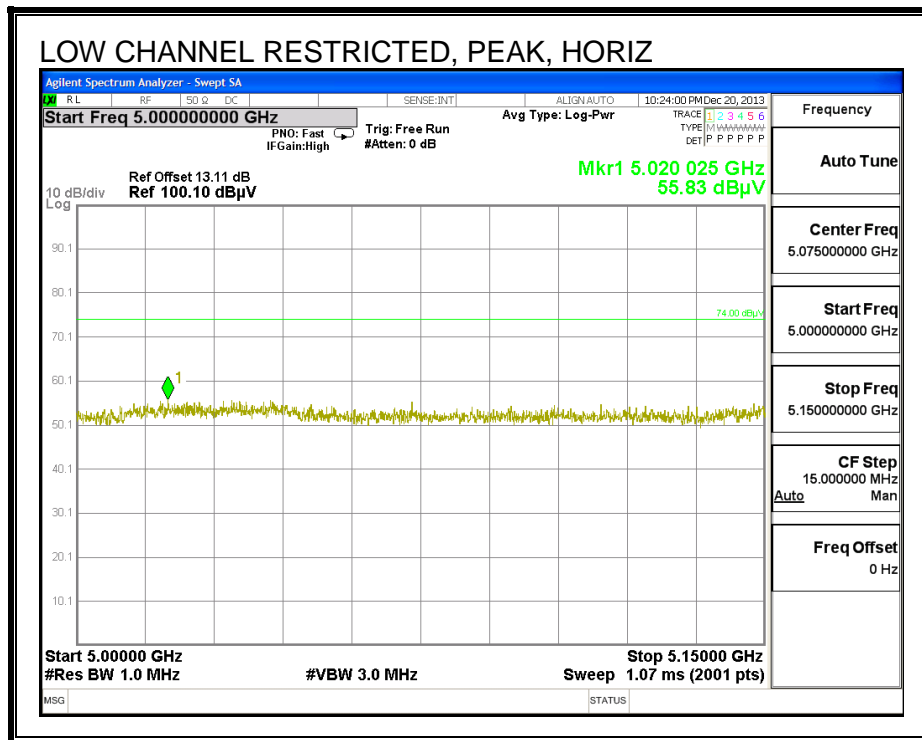
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/5 GHz LPF	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.78	48.59	PK	32.7	-30.3	0	50.99	54	-3.01	74	-23.01	0-360	101	V
* 4.759	43.19	PK	34.1	-27.7	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

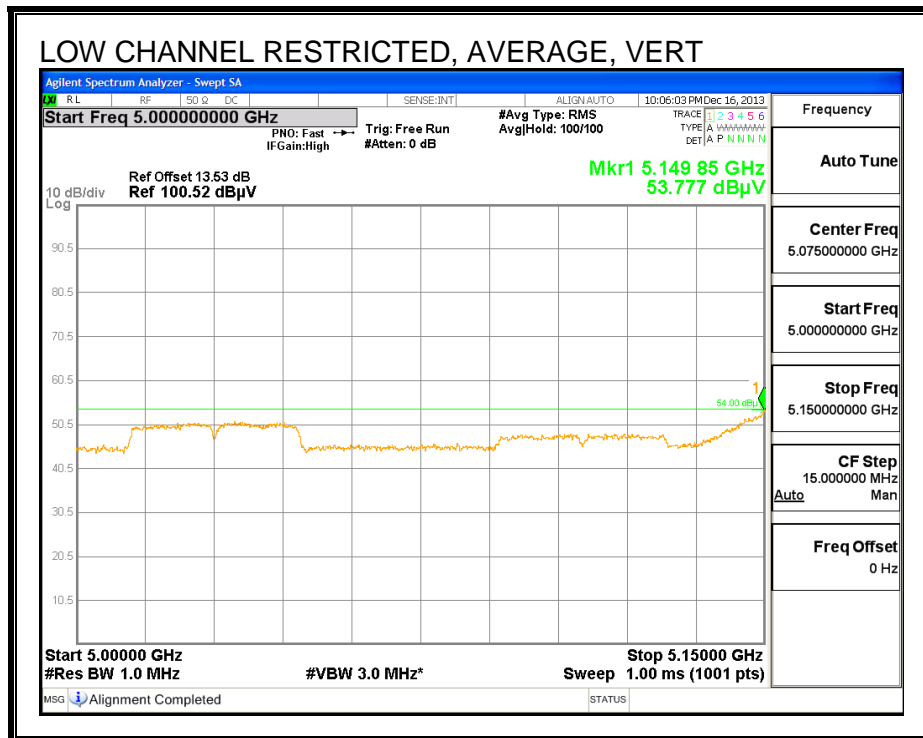
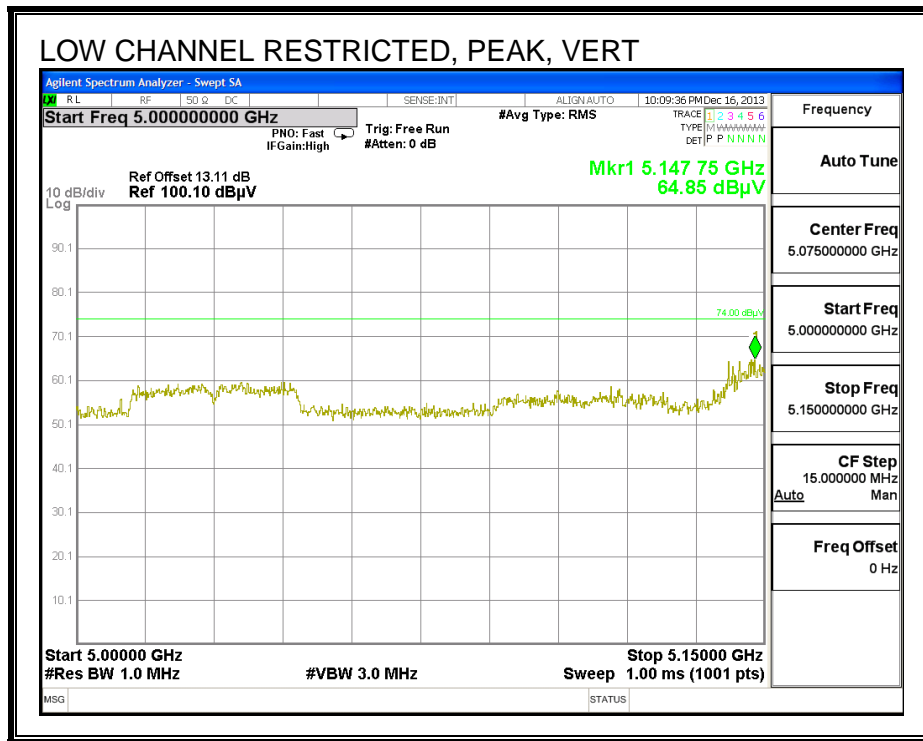
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.2.5. 802.11n HT40 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)





CH 38 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AFT344 (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

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

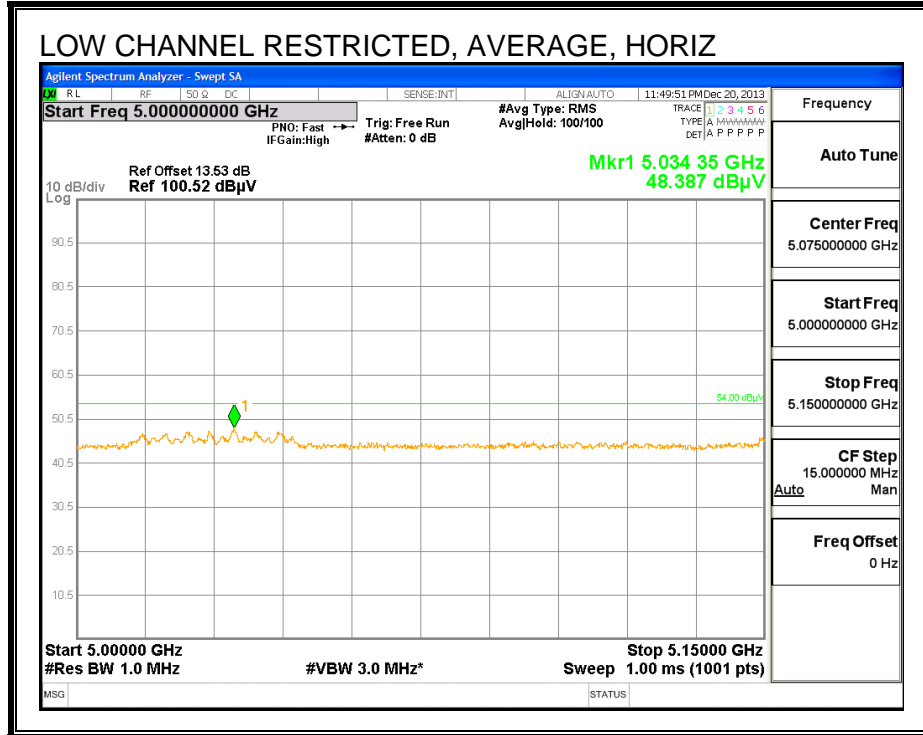
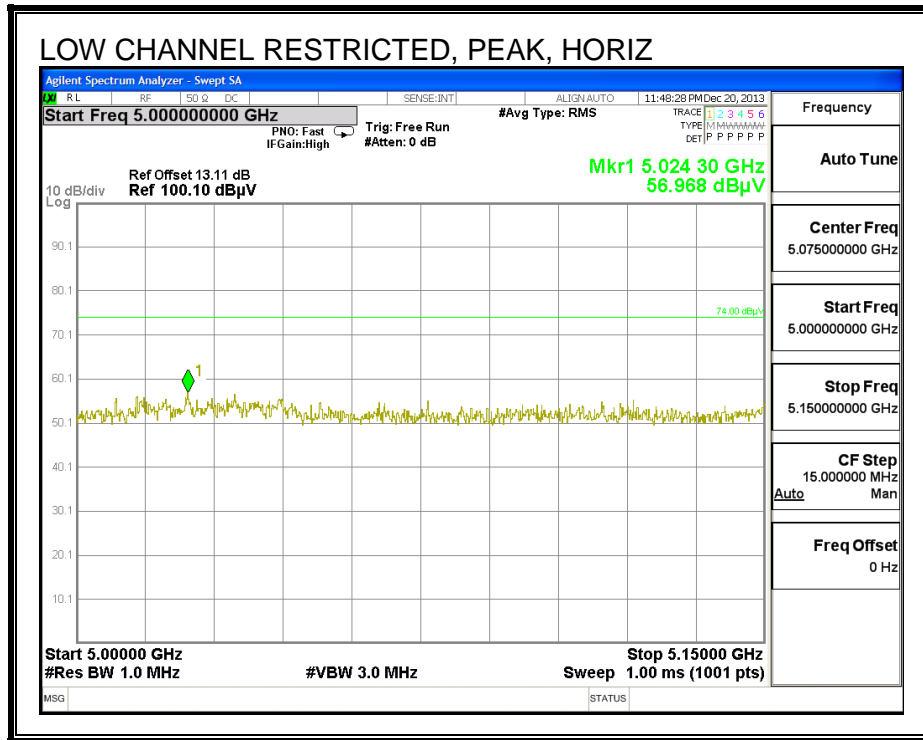
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

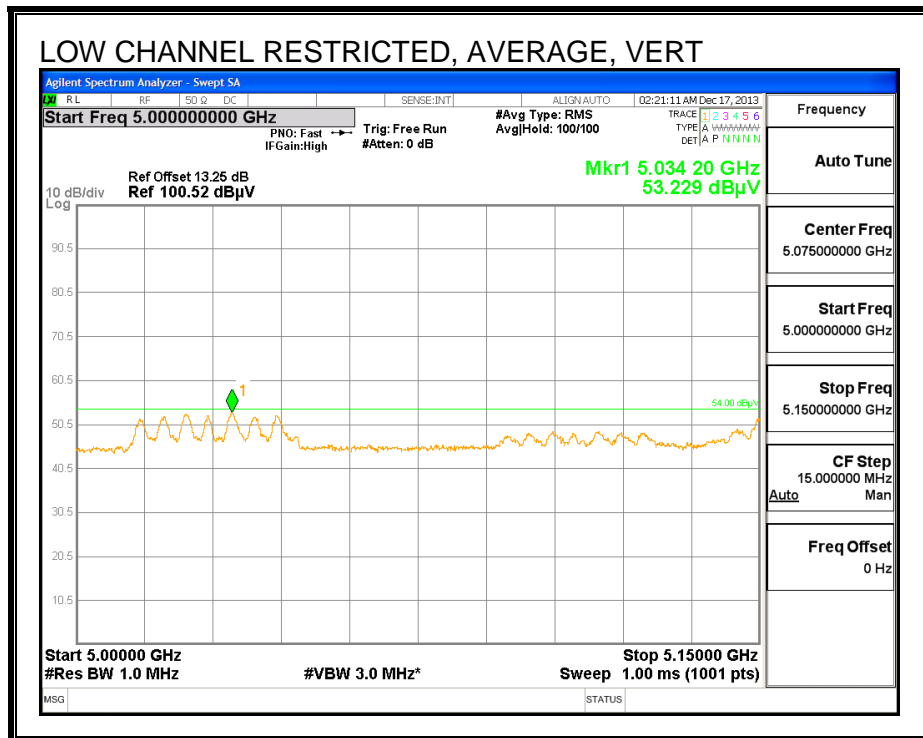
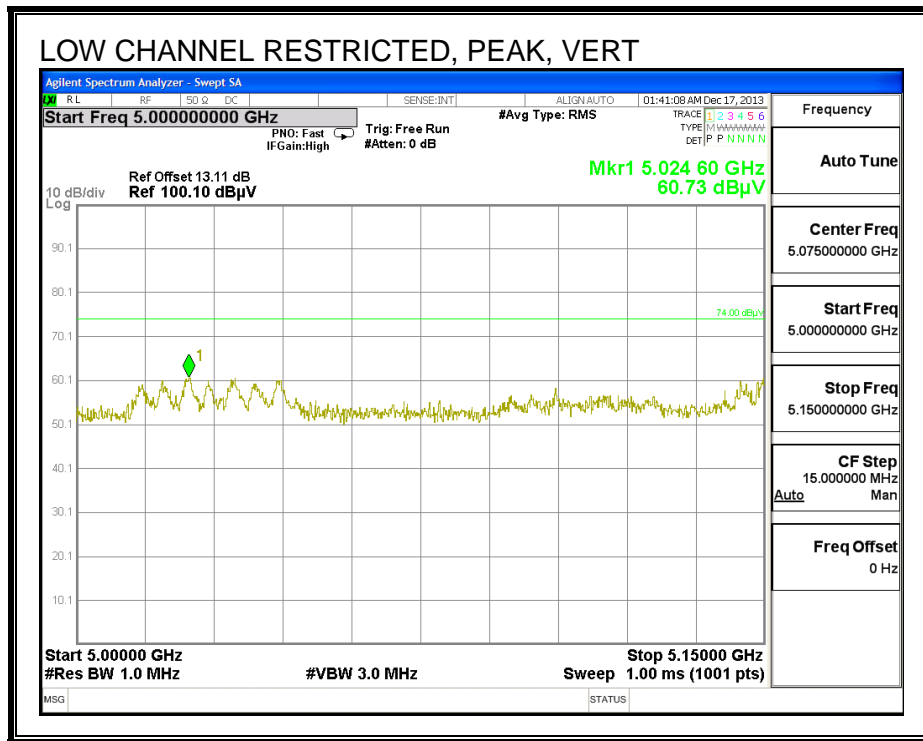
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.6. 802.11n HT40 3TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)





CH 38 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/ Filtr/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/F ltr/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

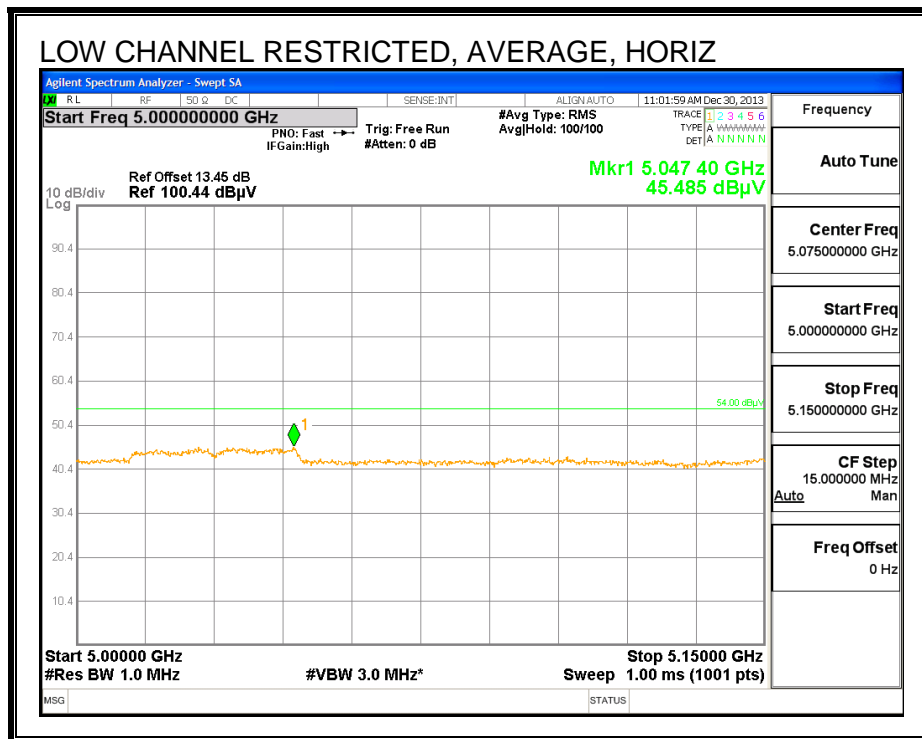
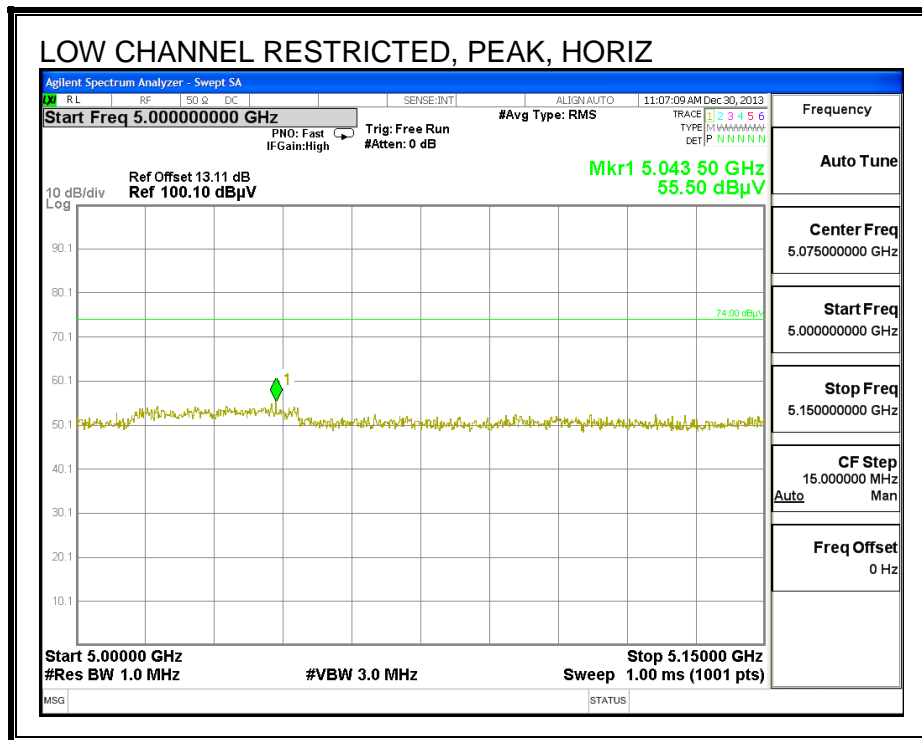
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

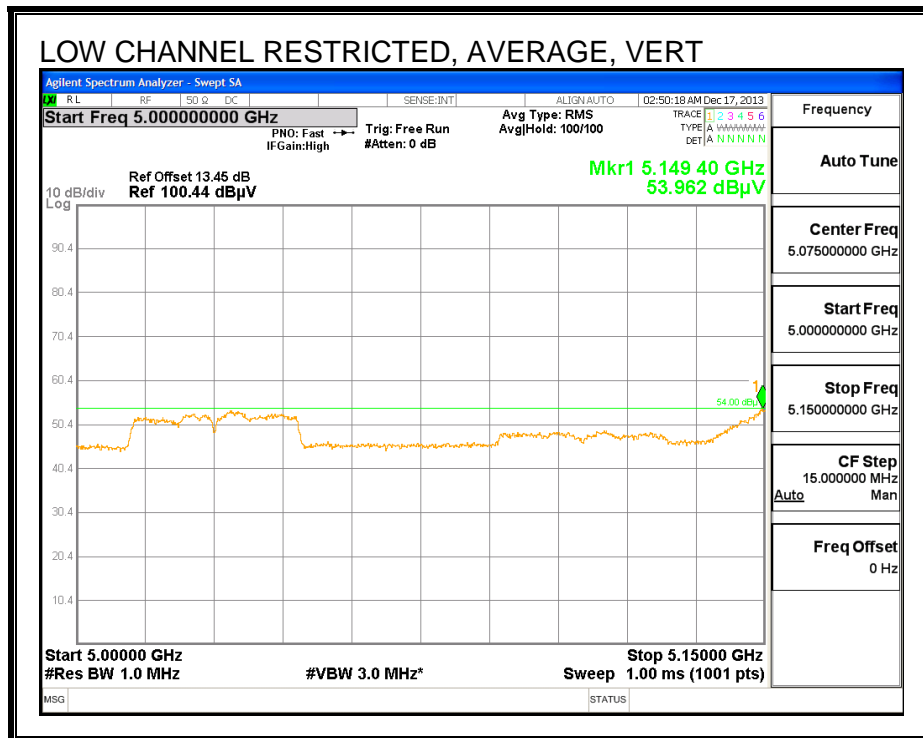
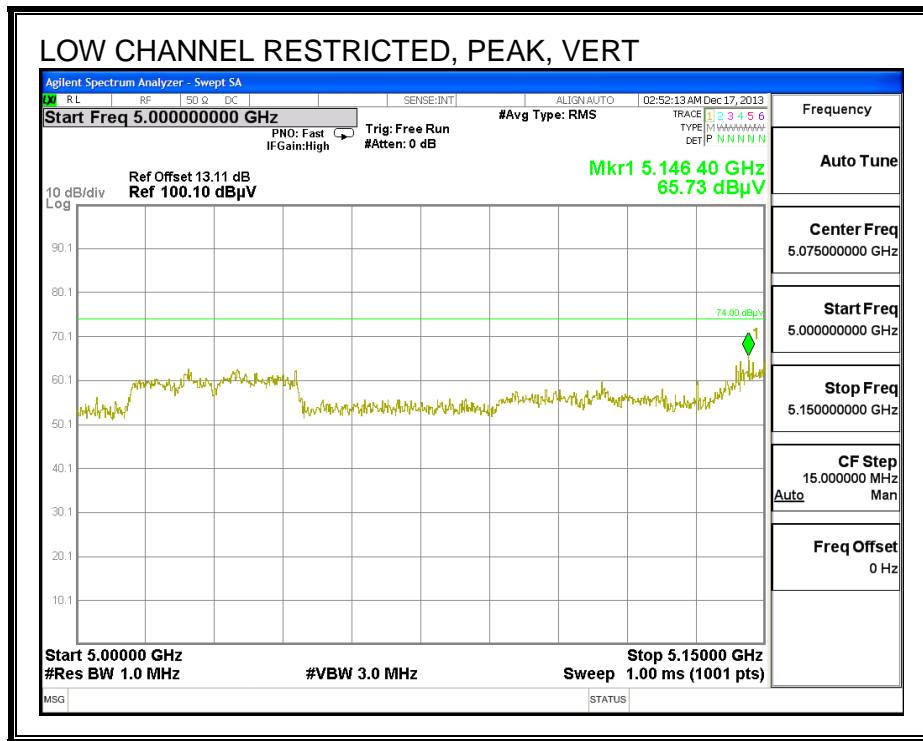
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.7. 802.11n HT40 3TX SDM MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 38)





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

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

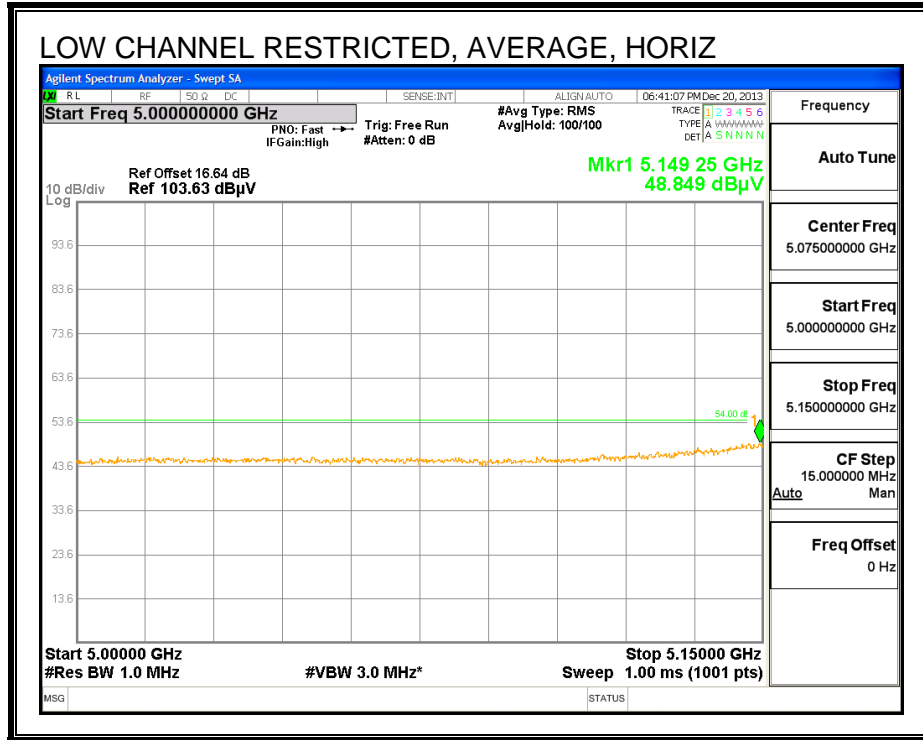
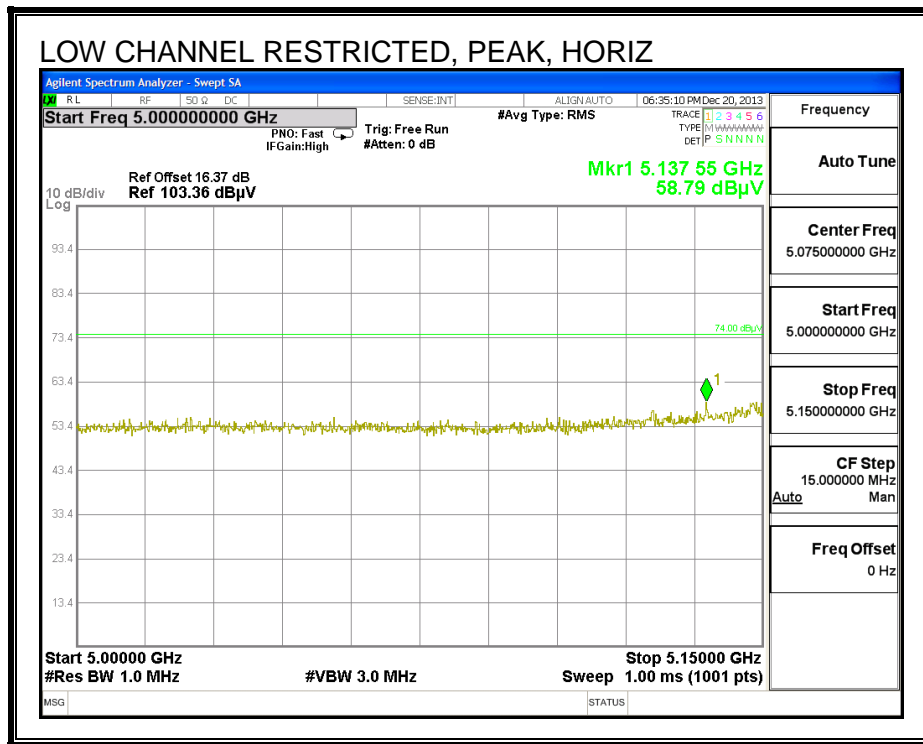
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

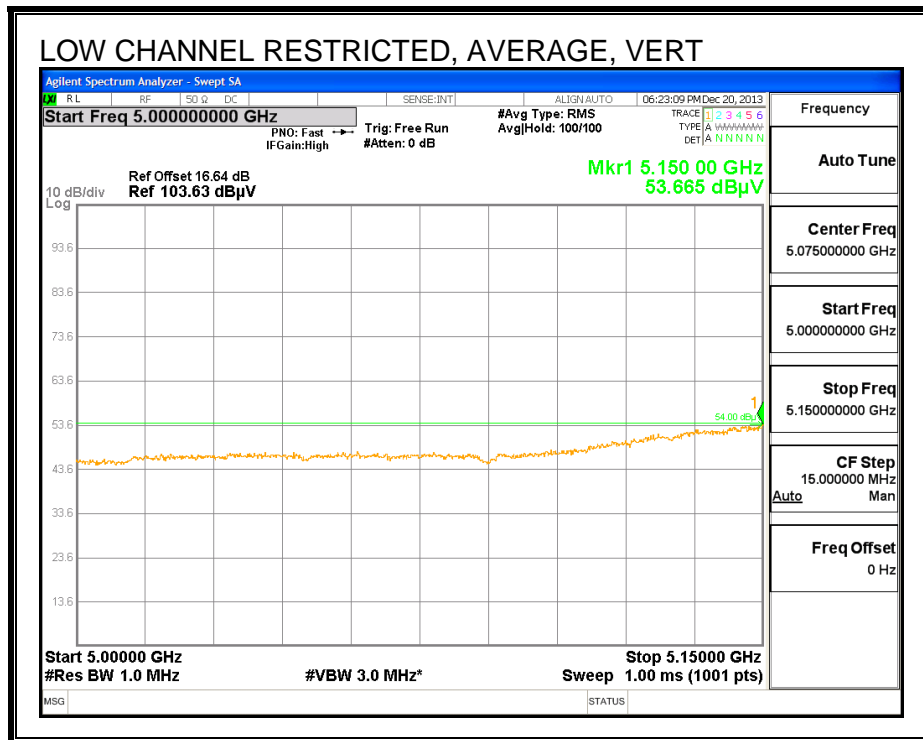
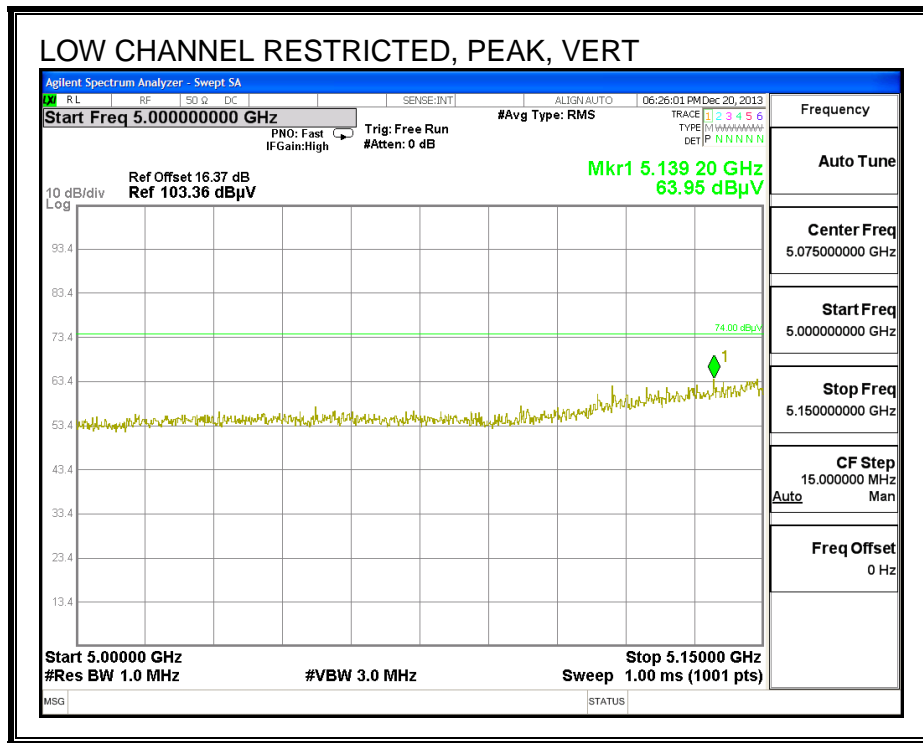
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.8. 802.11ac 80MHz 1TX SISO MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)





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

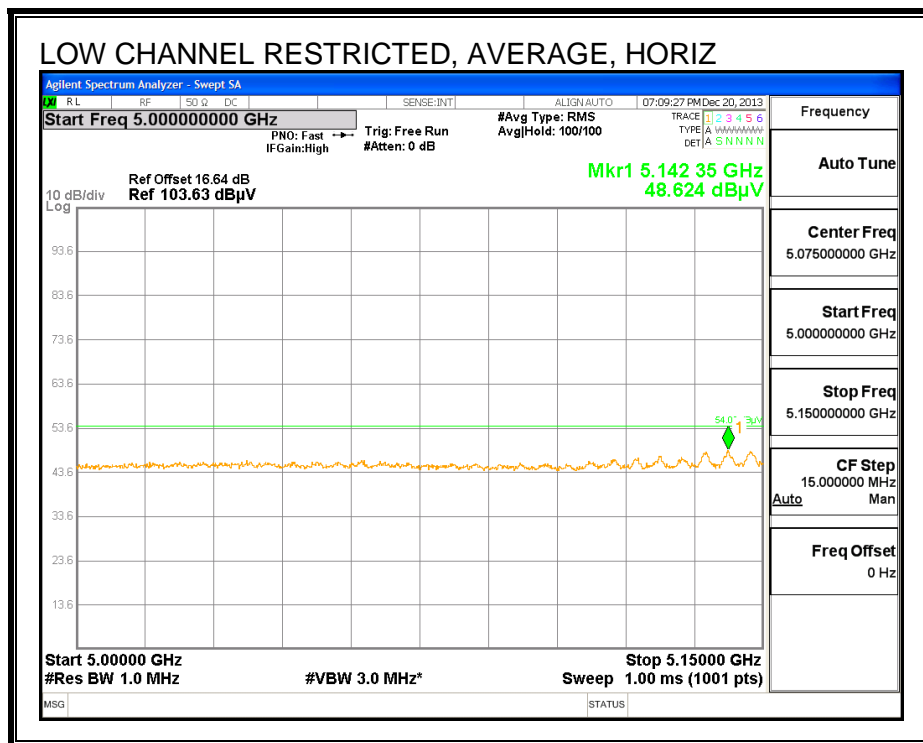
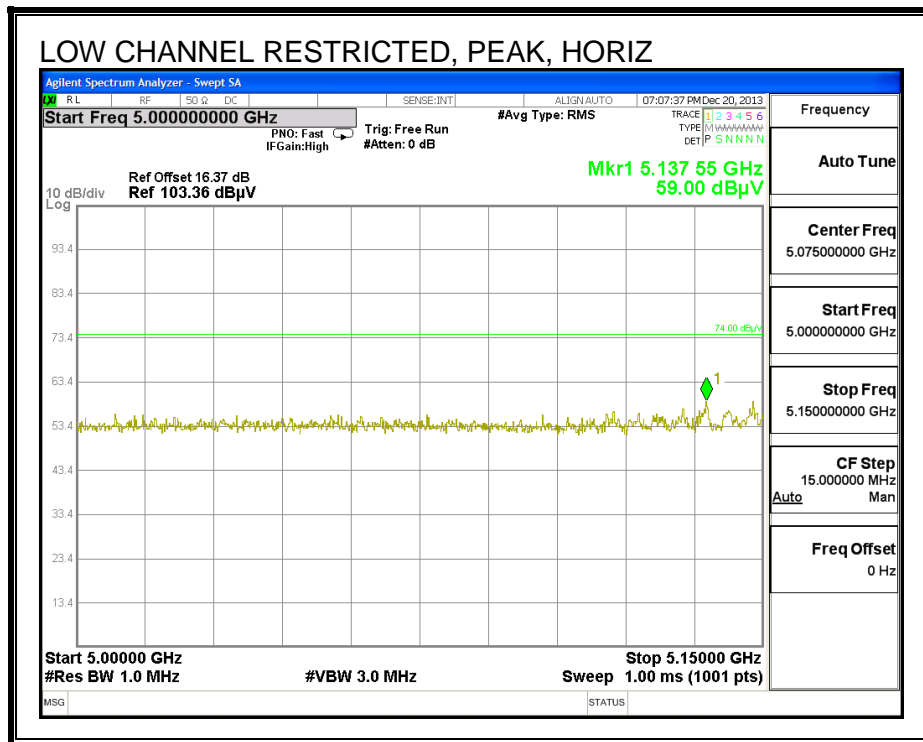
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

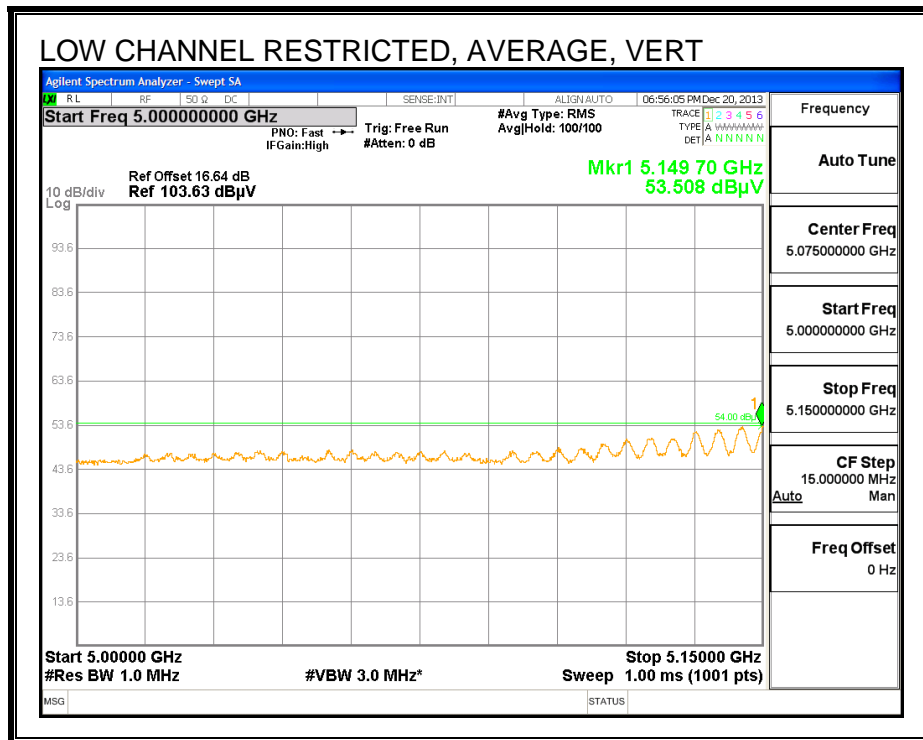
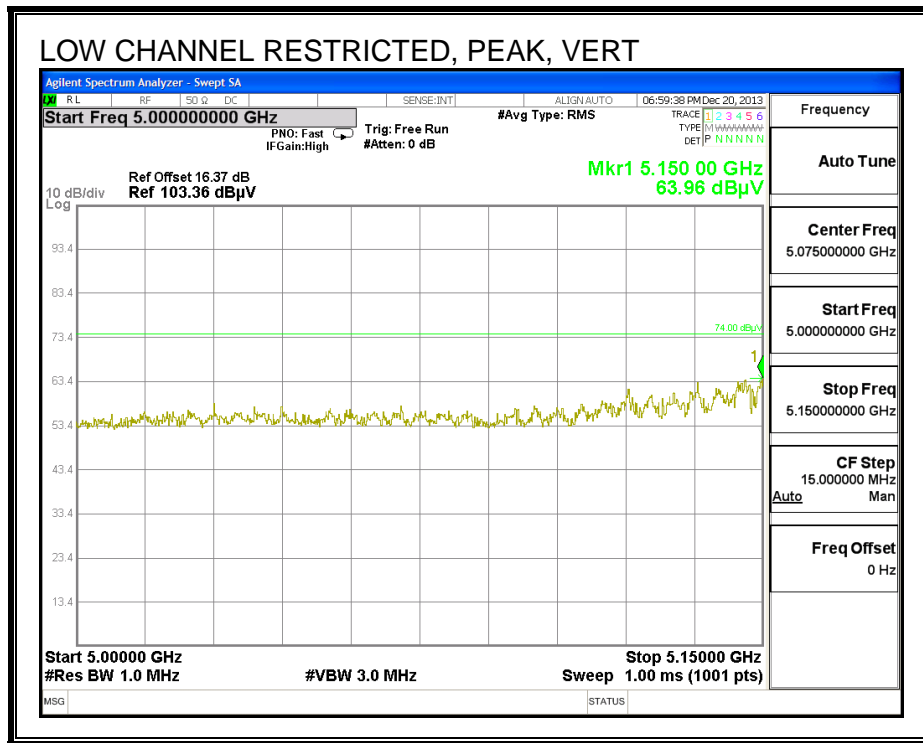
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.9. 802.11ac 80MHz 3TX CDD MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)





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

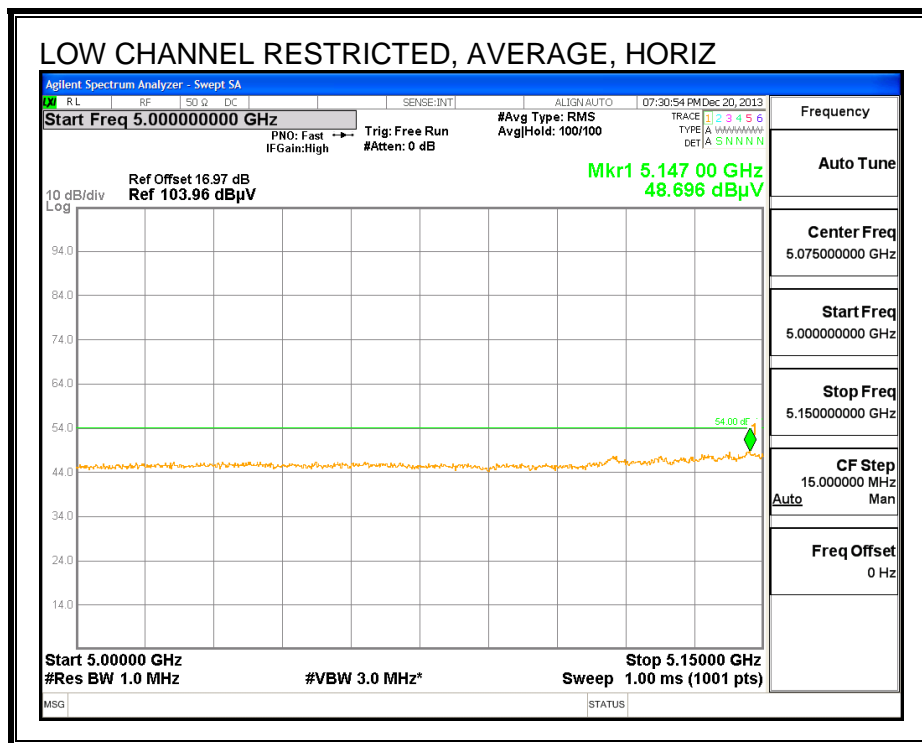
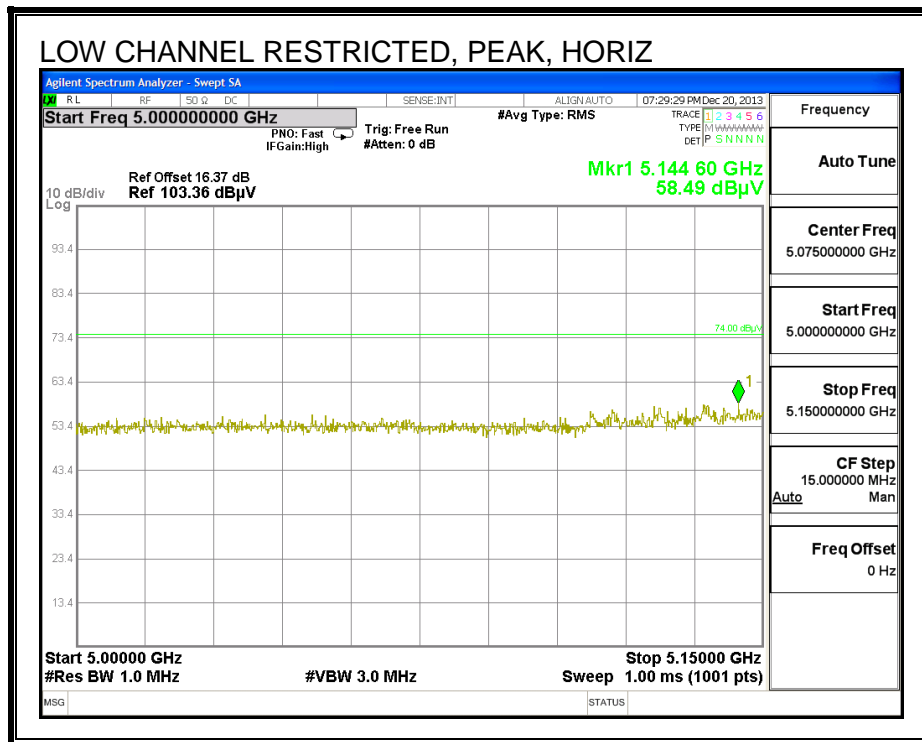
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

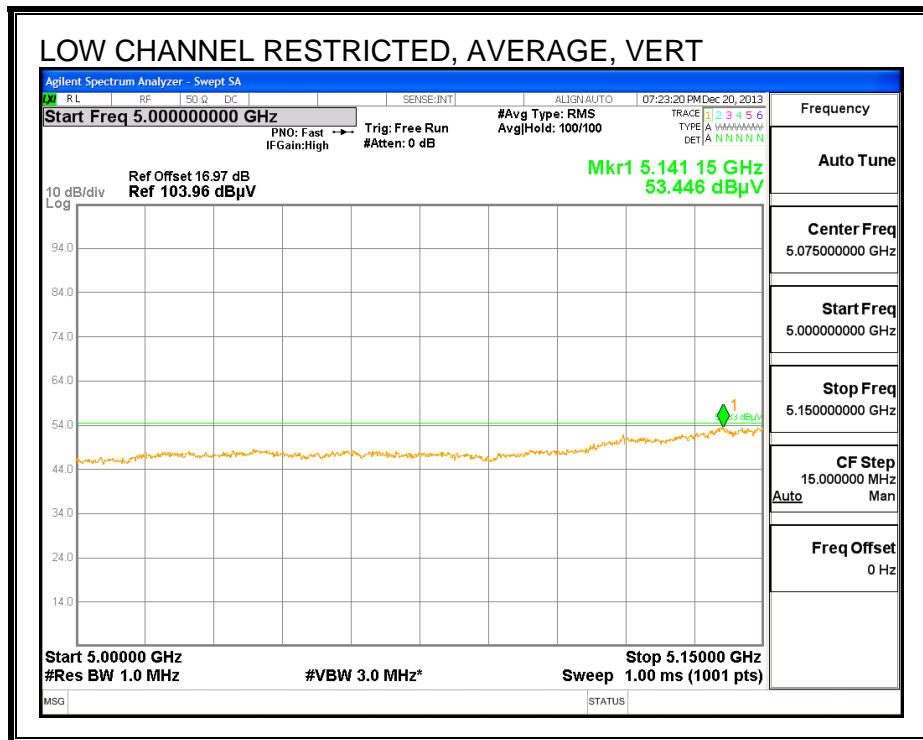
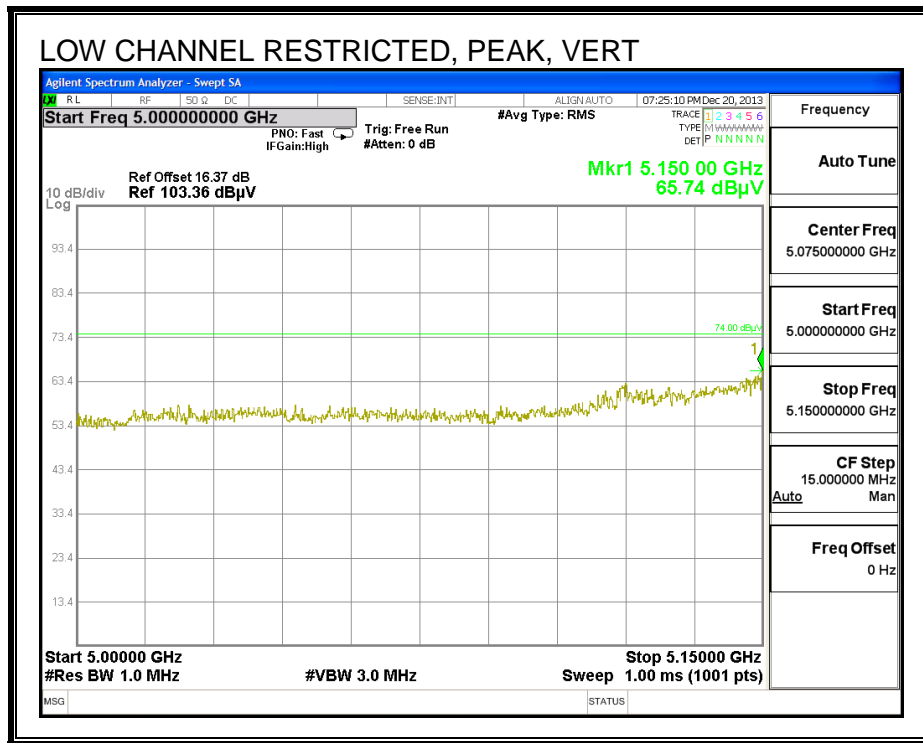
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.10. 802.11ac 80MHz 3TX SDM MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, CH 42)





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

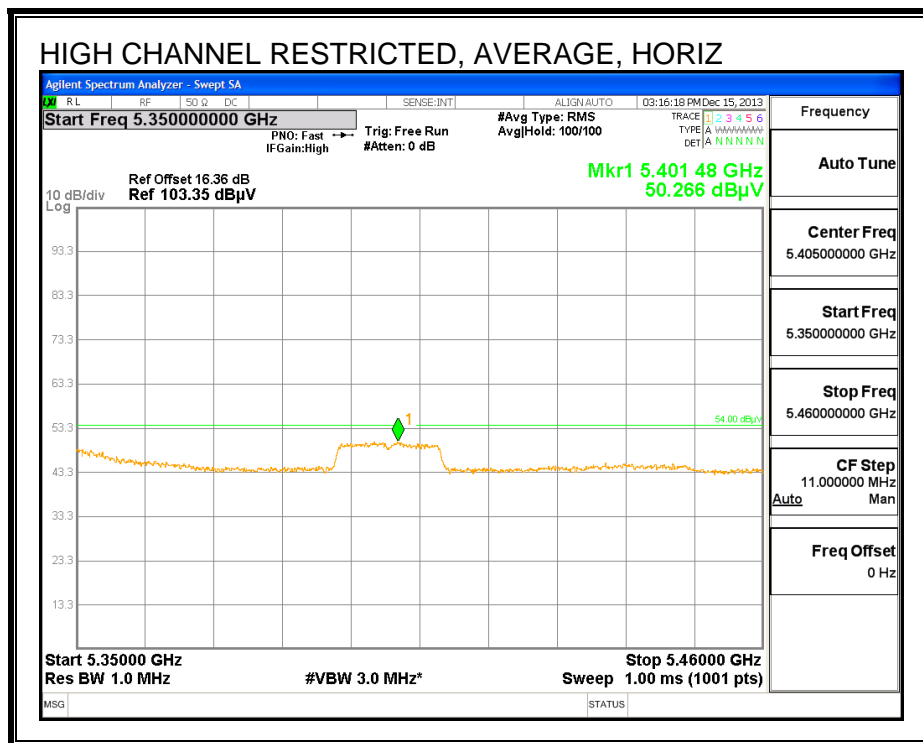
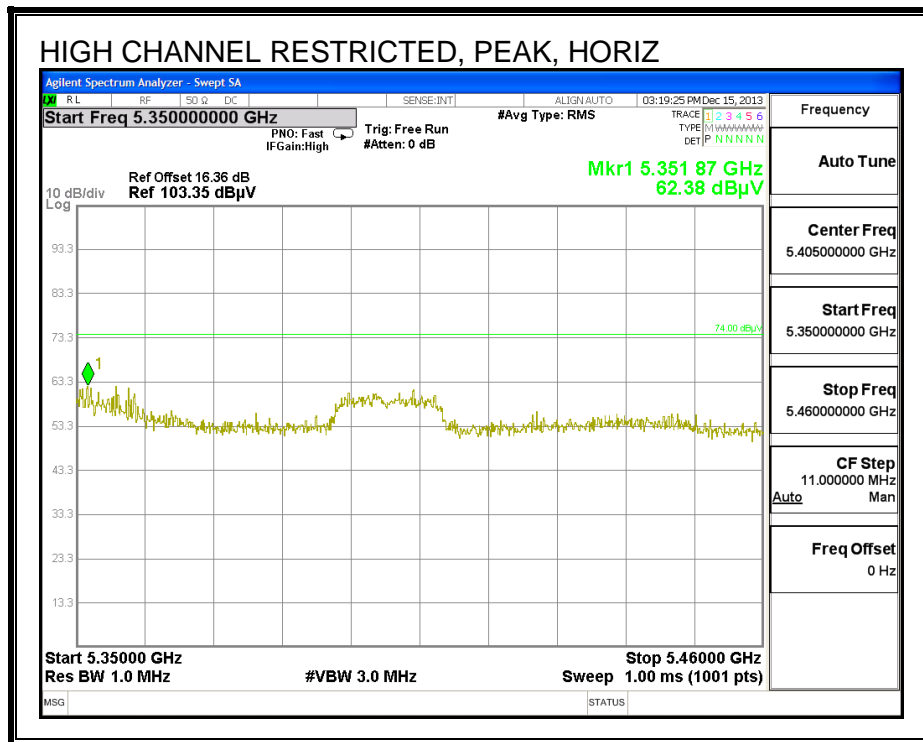
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.11. 802.11a 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)



HARMONICS AND SPURIOUS EMISSIONS

CH 52 DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/F ltr/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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/F ltr/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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/F ltr/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

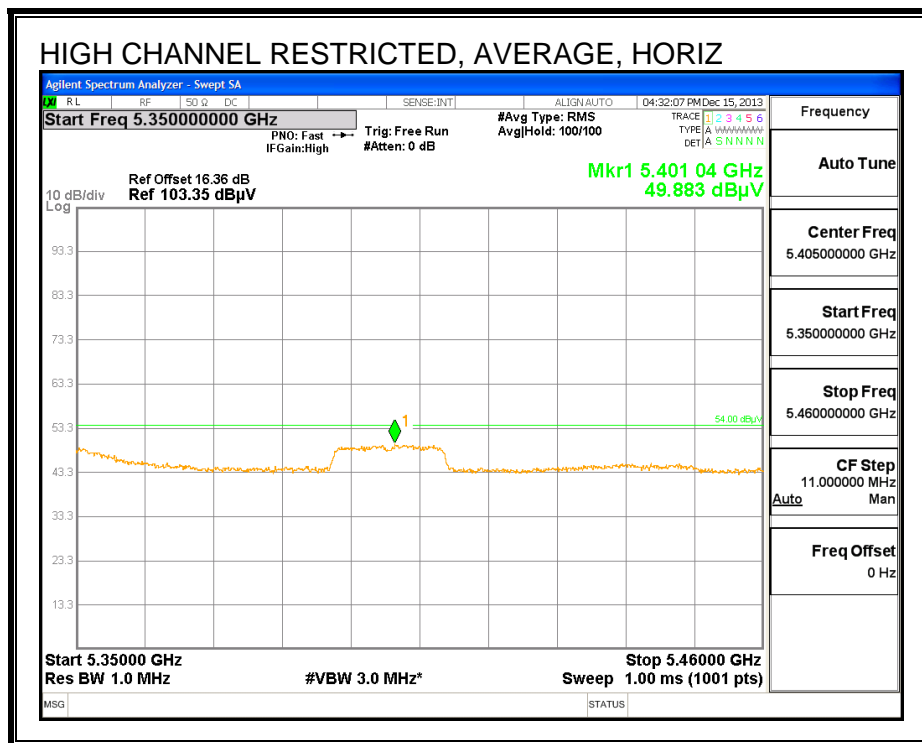
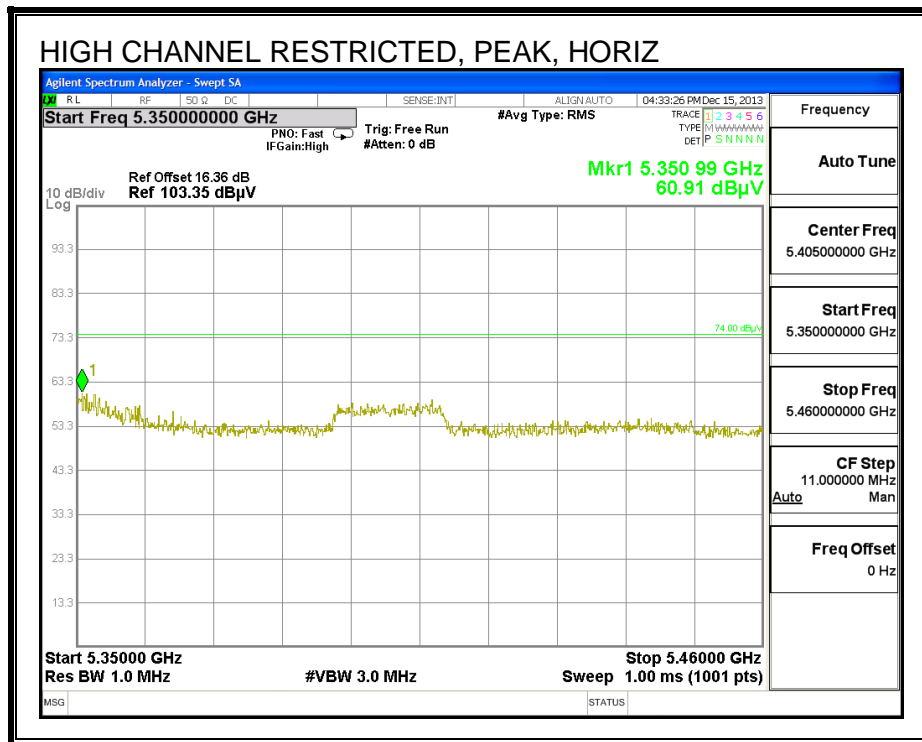
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

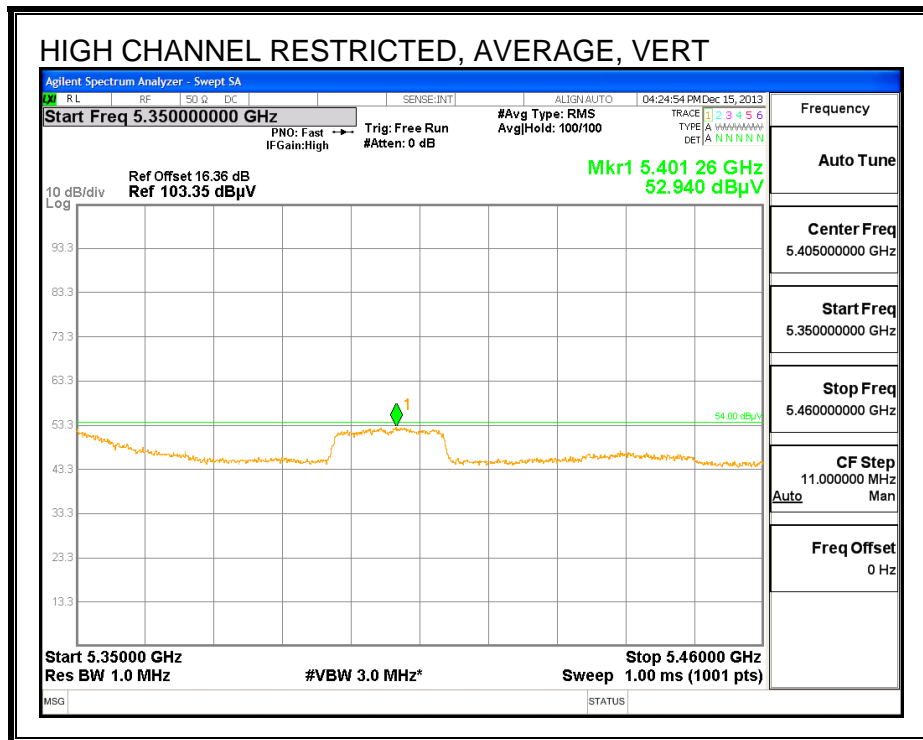
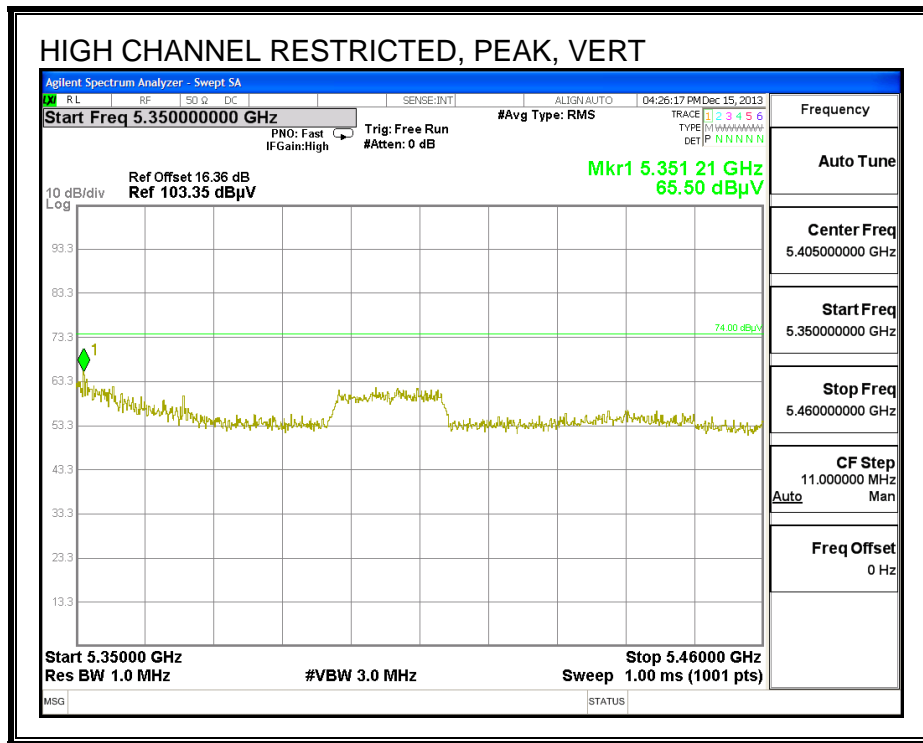
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.12. 802.11n HT20 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)





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

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

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

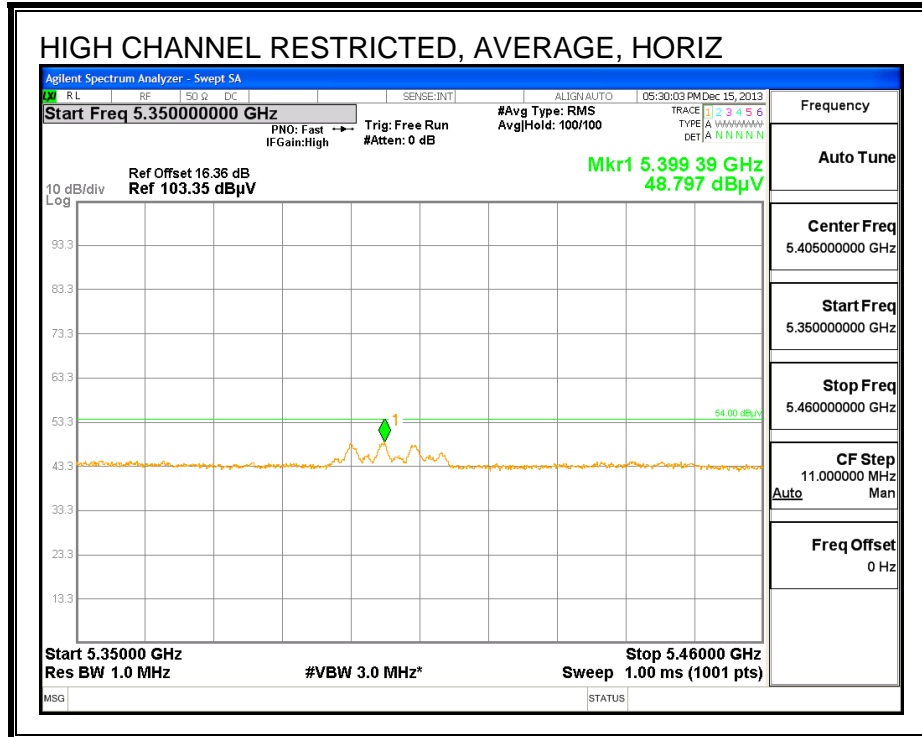
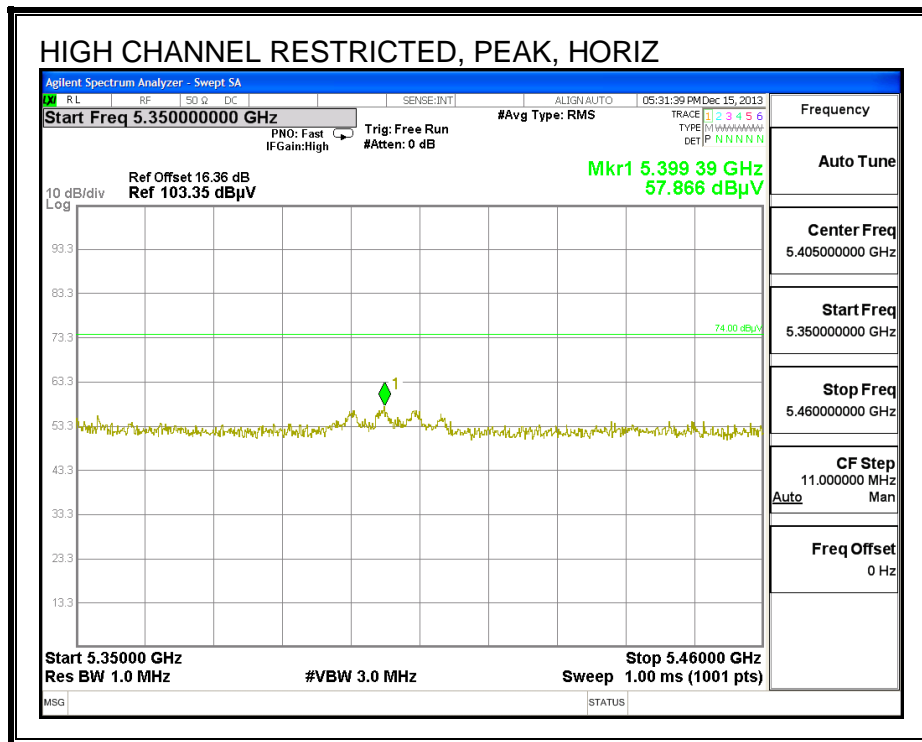
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

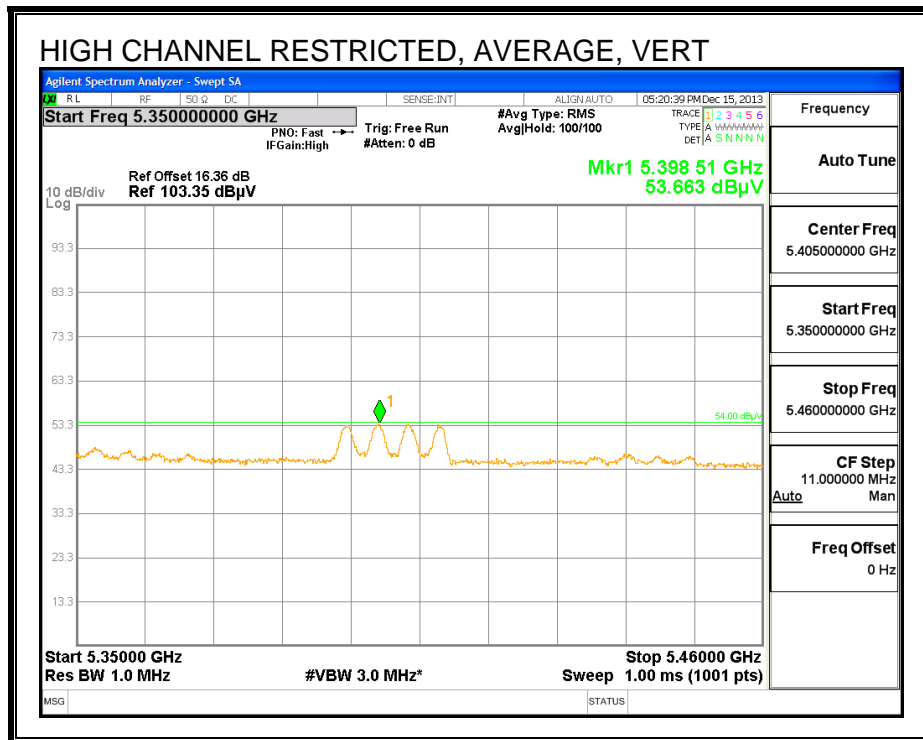
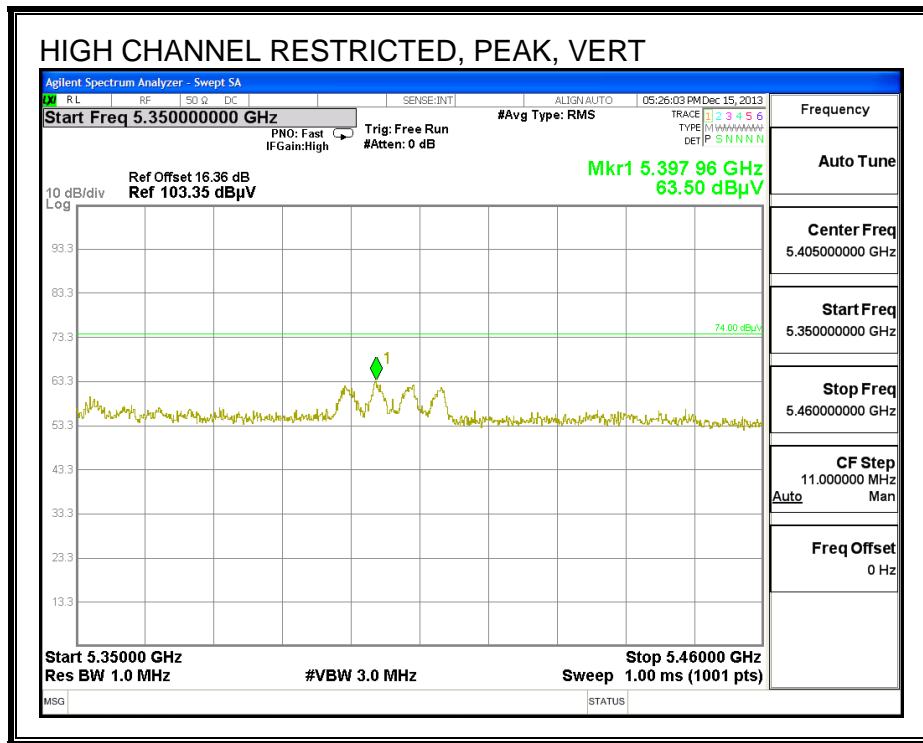
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.13. 802.11n HT20 3TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)





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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cb/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/Cb/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

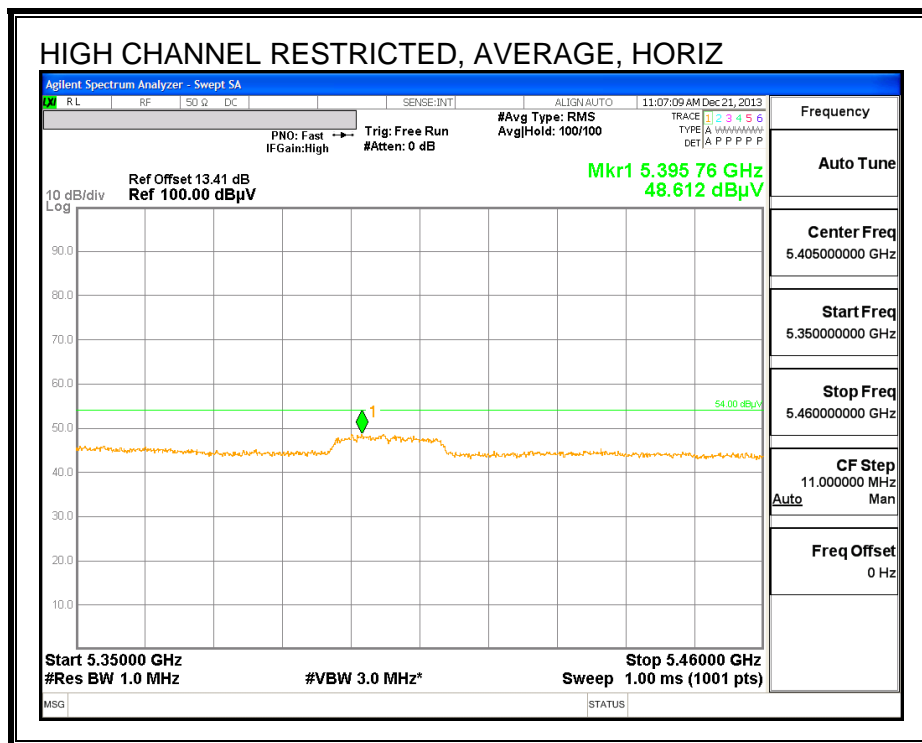
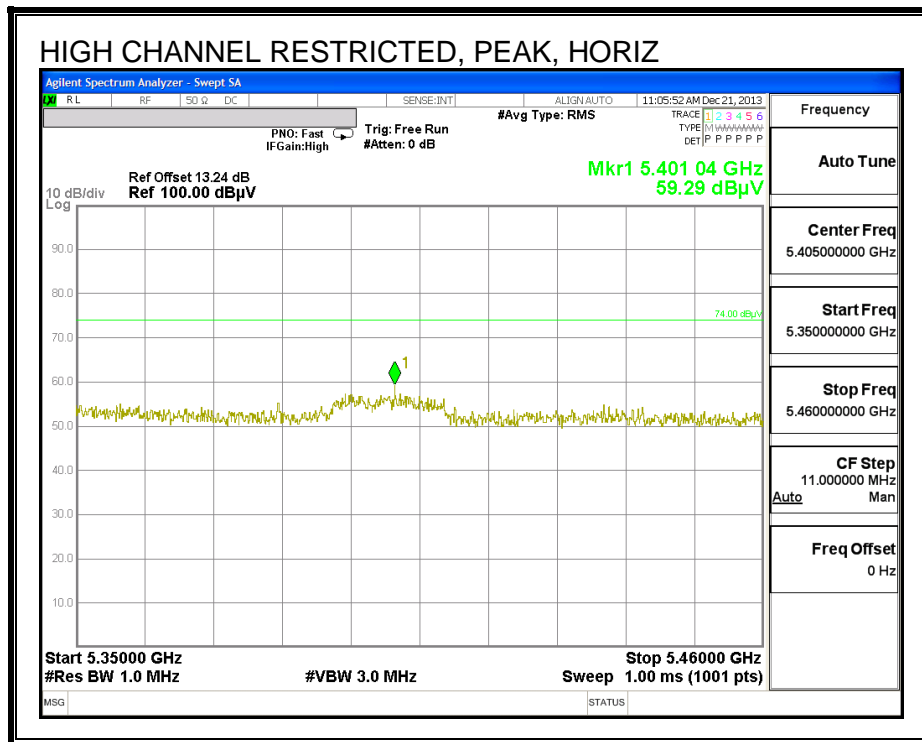
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

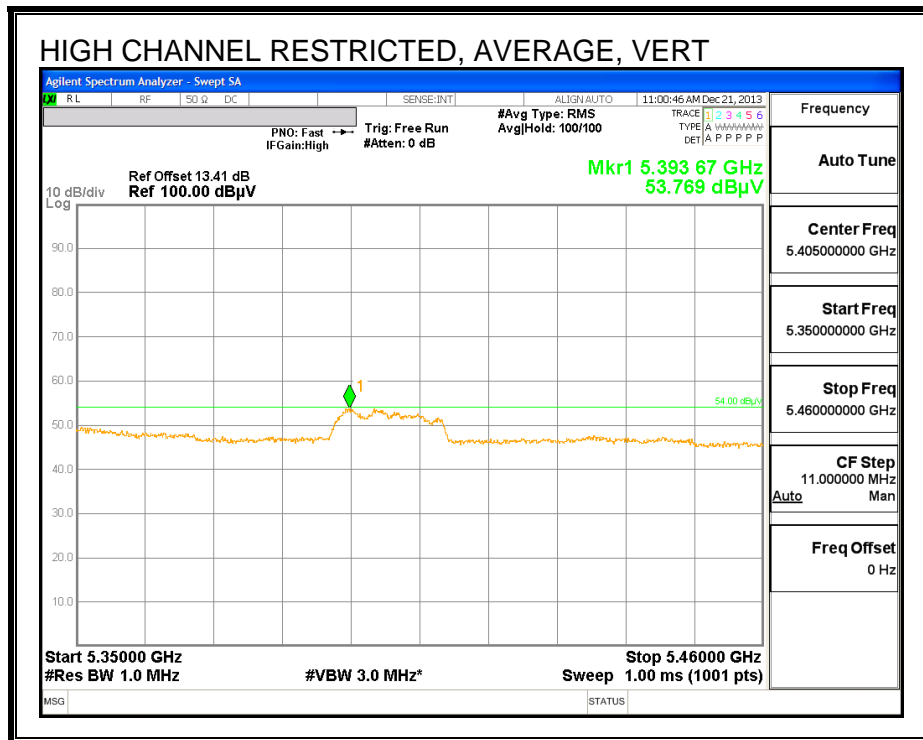
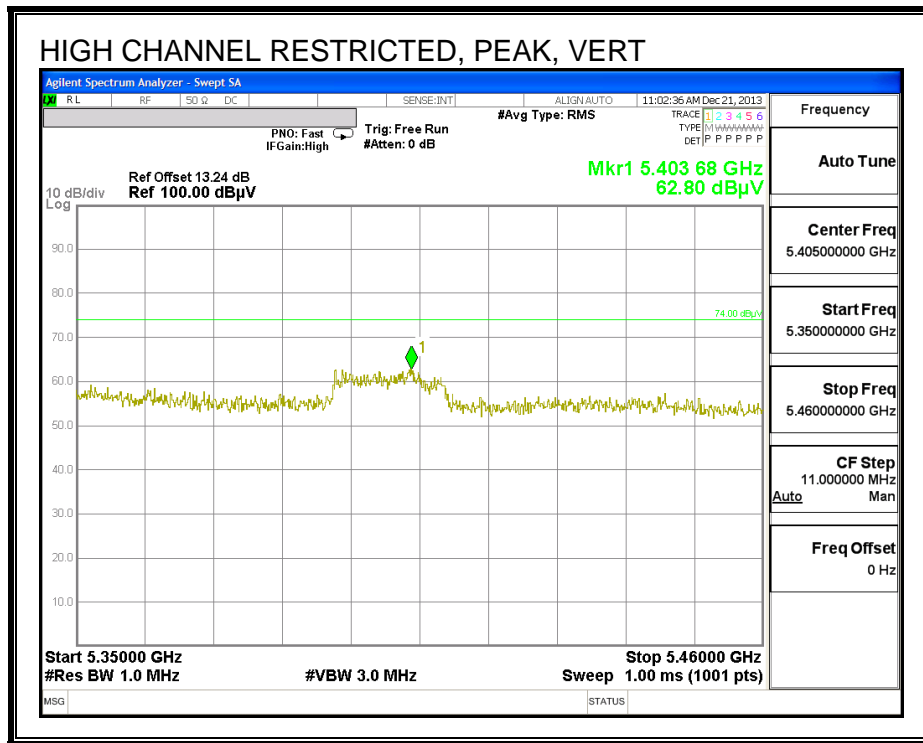
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.14. 802.11n HT20 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 64)





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

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

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

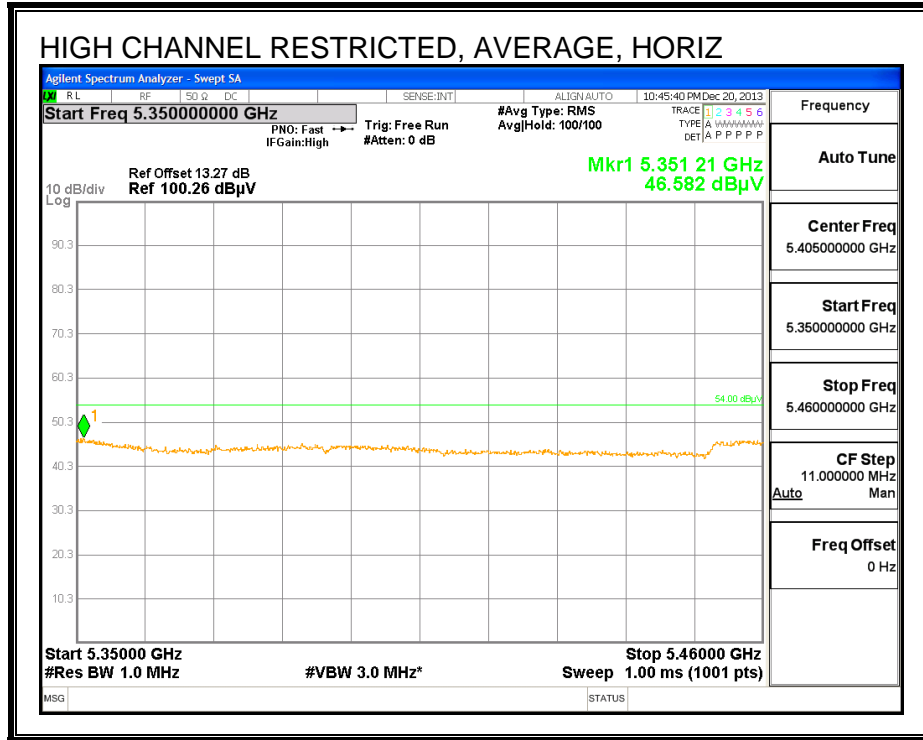
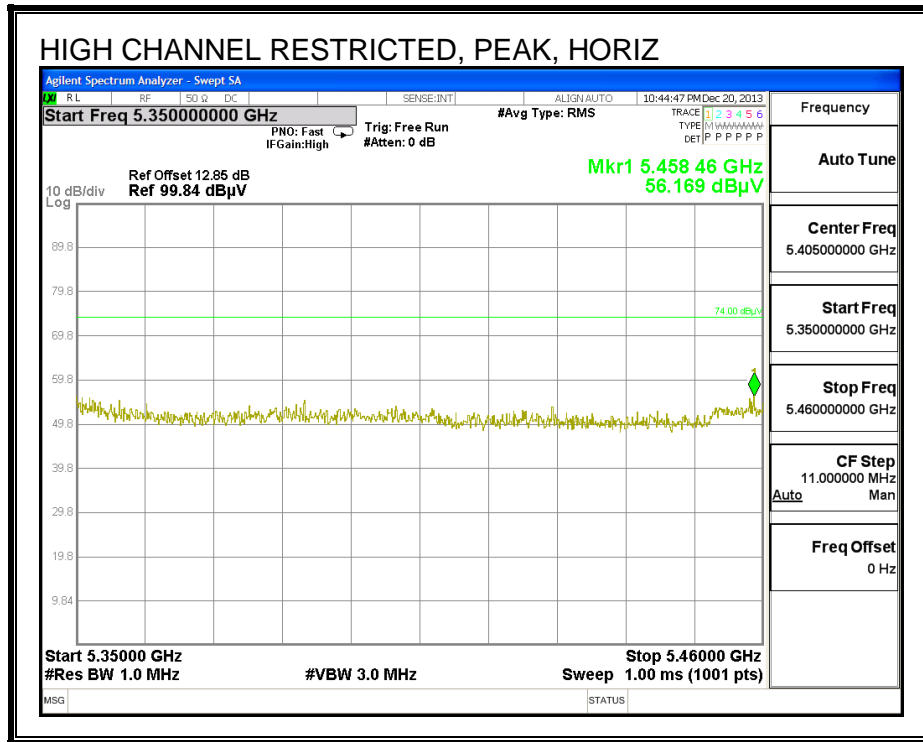
PK - Peak detector

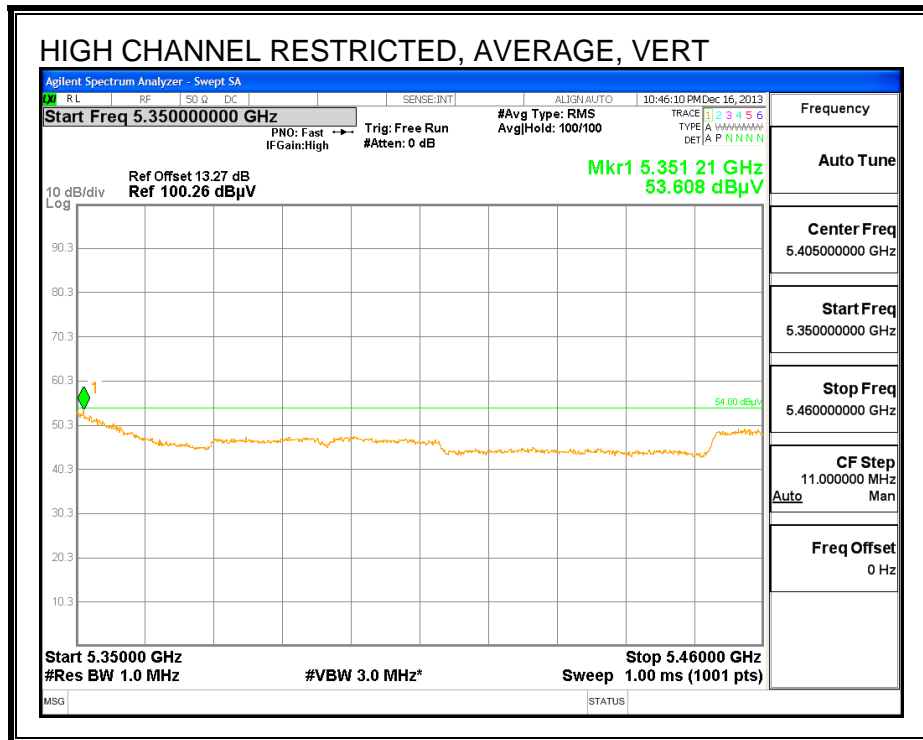
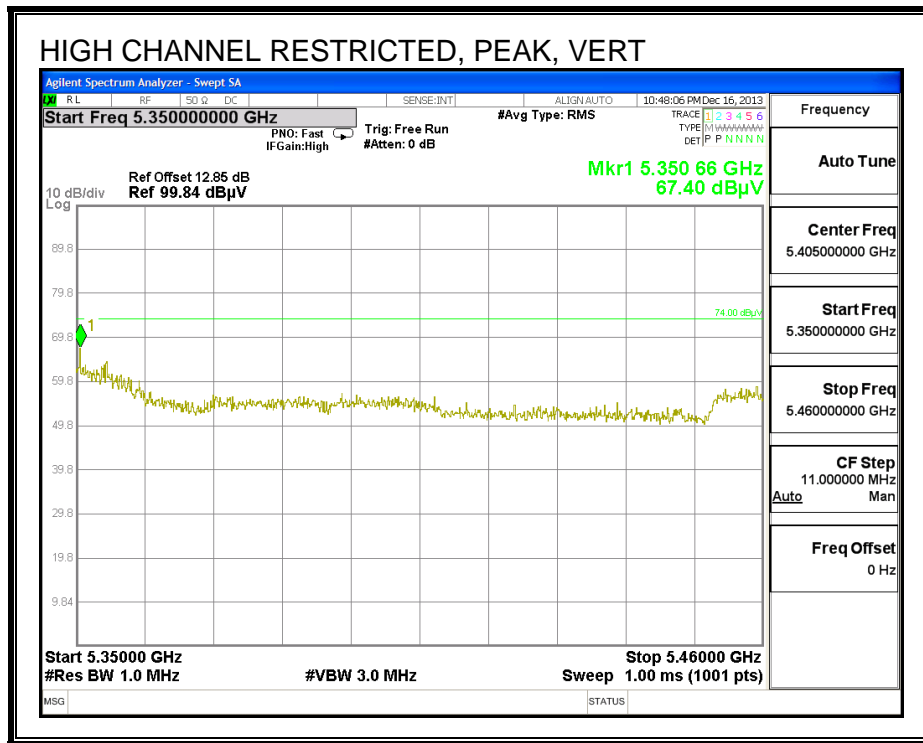
Avg - Video bandwidth < Resolution bandwidth

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.15. 802.11n HT40 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)





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

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

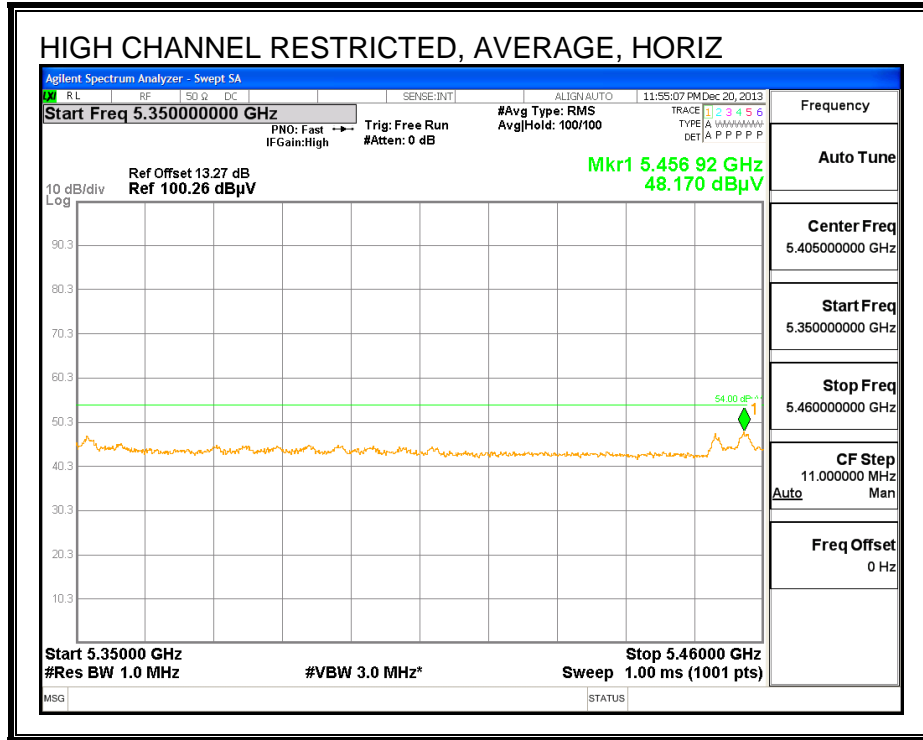
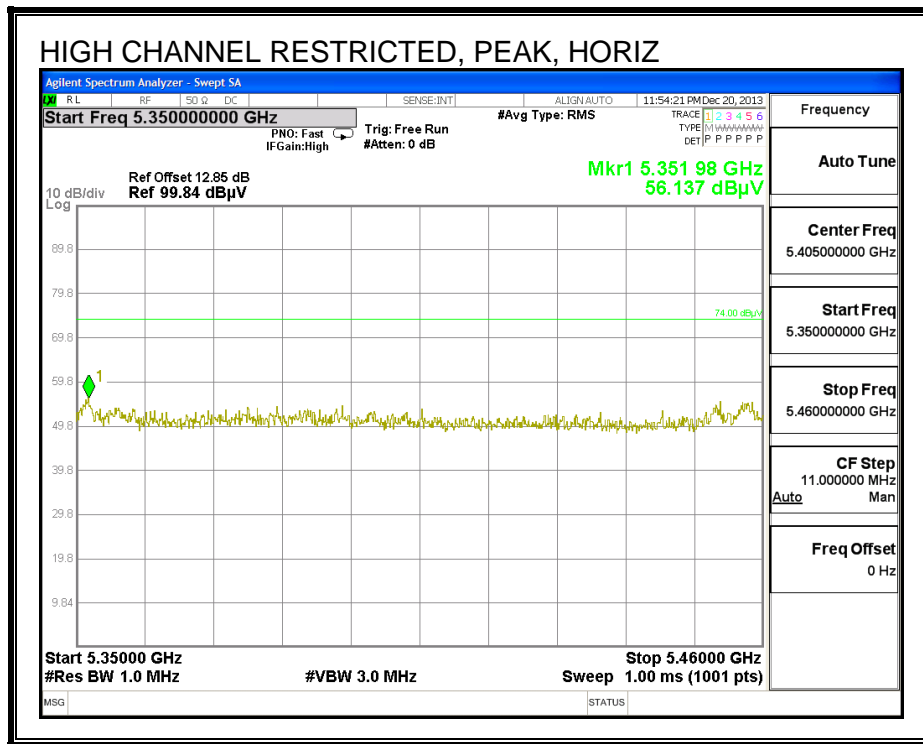
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

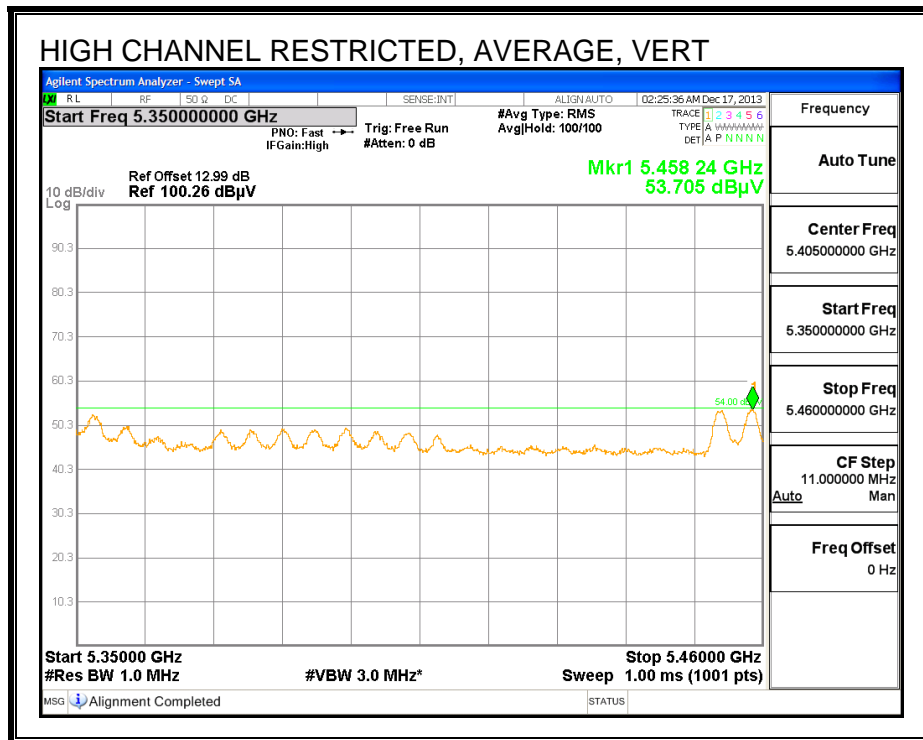
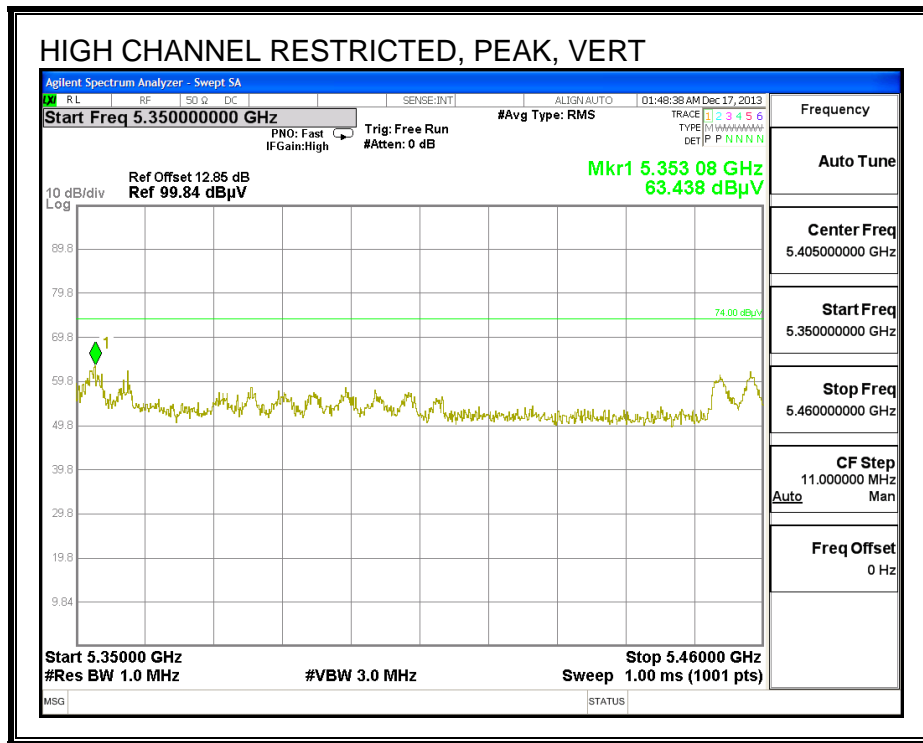
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.16. 802.11n HT40 3TX CDD MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)





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

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T344 (db/m)	Amp/Cbl/F ltr/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

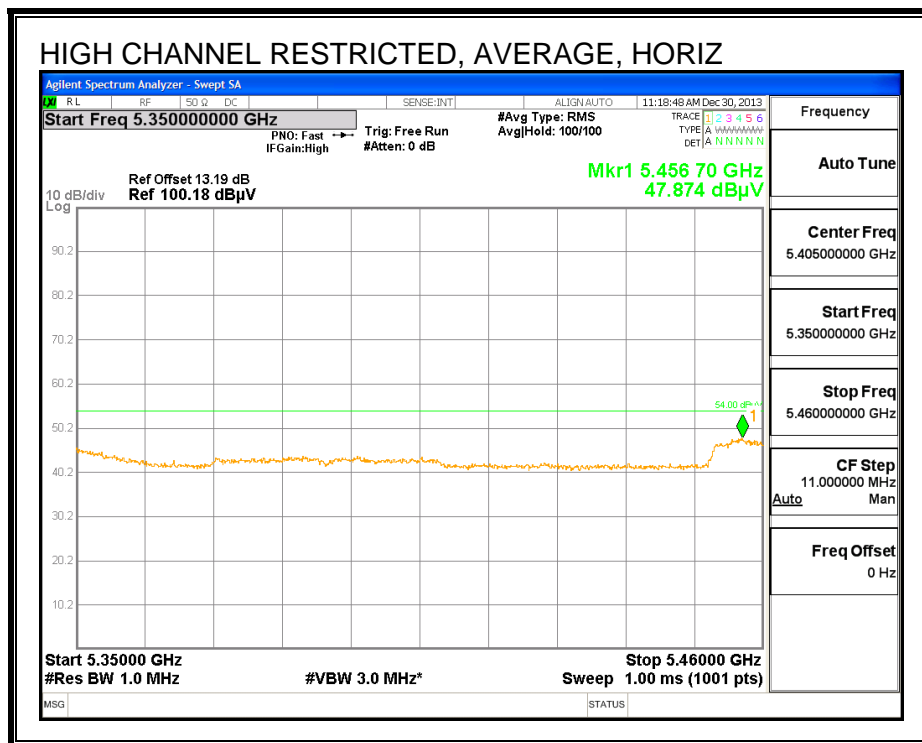
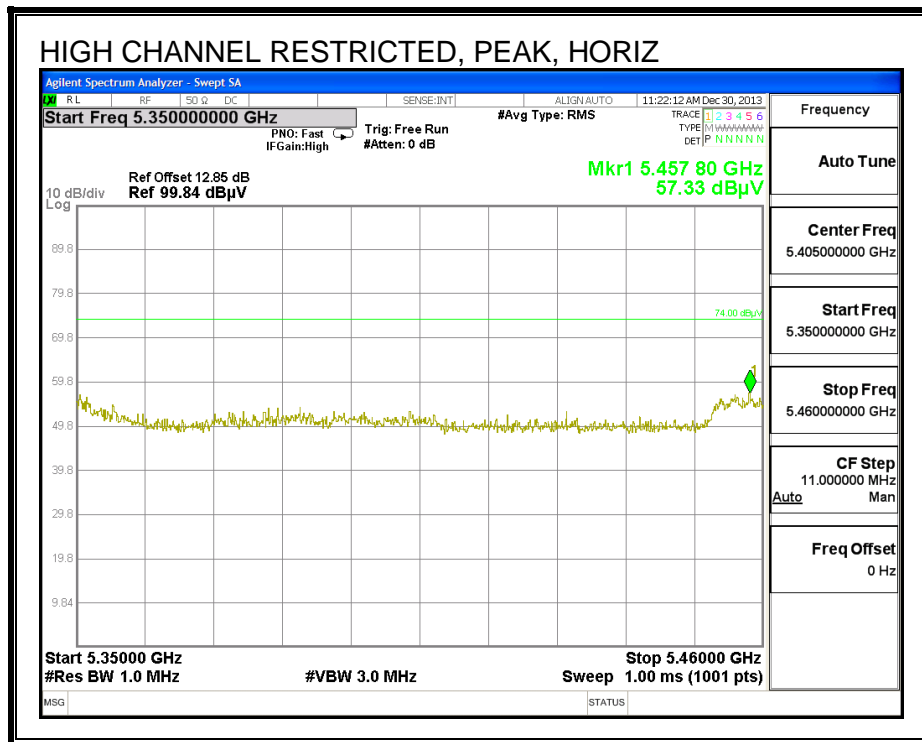
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

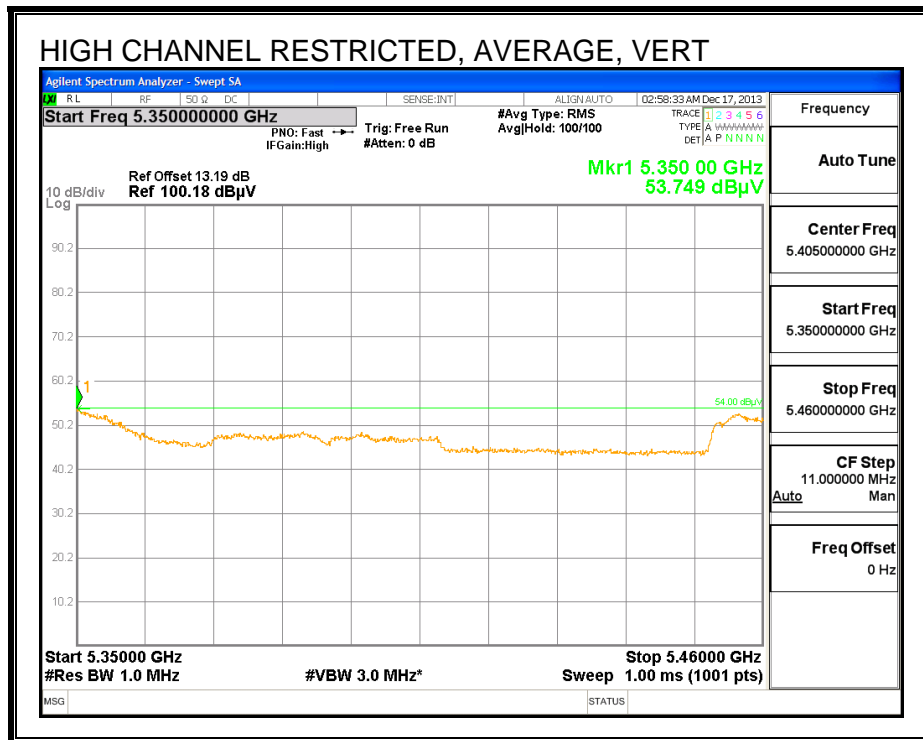
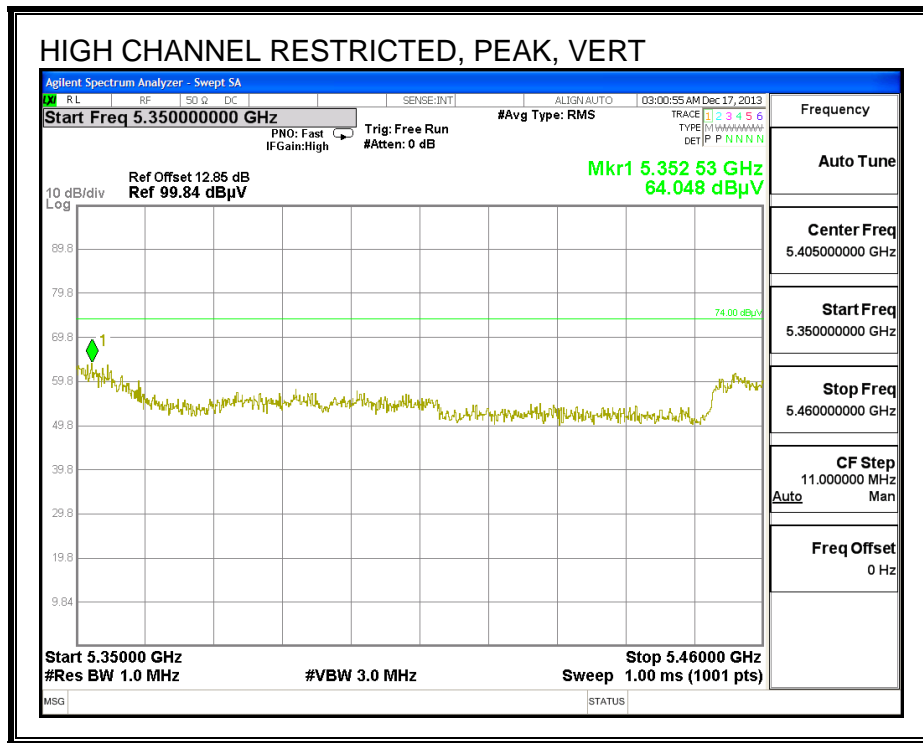
PK - Peak detector

AD1 - KDB 789033 Method: AD Primary Power Average

10.2.17. 802.11n HT40 3TX SDM MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 62)





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

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

10.2.18. 802.11ac 80MHz 1TX SISO MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)

