A.7 Radiated Emission

Antenna-port Conducted test data

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP= Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + The appropriate maximum ground reflection factor(dB)

The worst data (Test frequency: below 1 GHz)

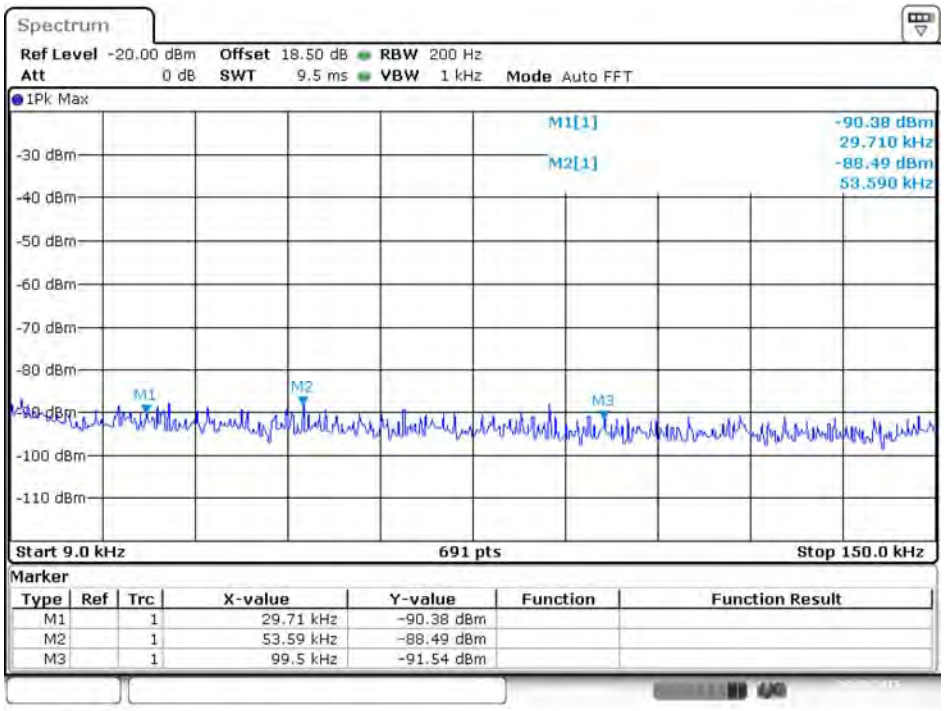
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11a CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
0.005359	-88.49	0	3	2	QP	8.77	86.49	77.72	Note 2	Pass
9.978	-71.59	6	3	2	QP	31.67	86.49	54.82	Note 2	Pass
317.1	-73.58	4.7	3	2	QP	28.38	86.49	58.11	Note 2	Pass
589.4	-70.52	4.7	3	2	QP	31.44	86.49	55.05	Note 2	Pass
9346.9	-46.72	0	3	2	PK	50.54	70.26	19.72	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
163232	-43.67	0	3	2	PK	53.59	70.26	16.67	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5178	13.02	0	3	2	PK	110.28	N/A	N/A	Note 1	N/A
	-11.83		3	2	AV	85.43	N/A	N/A		N/A

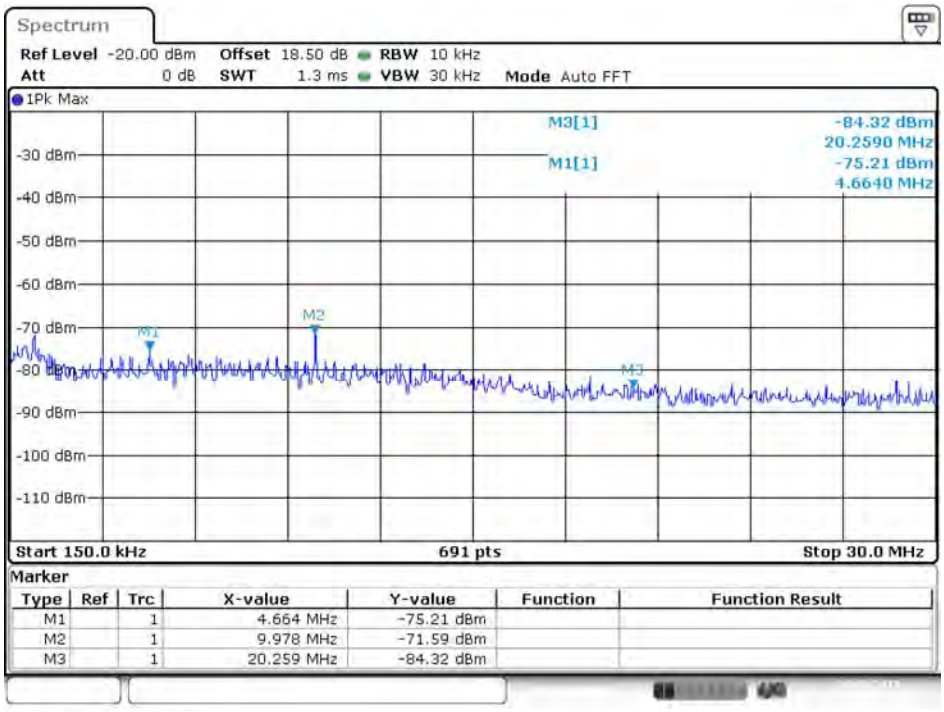
Test Plots

SPURIOUS 9 kHz ~ 150 kHz



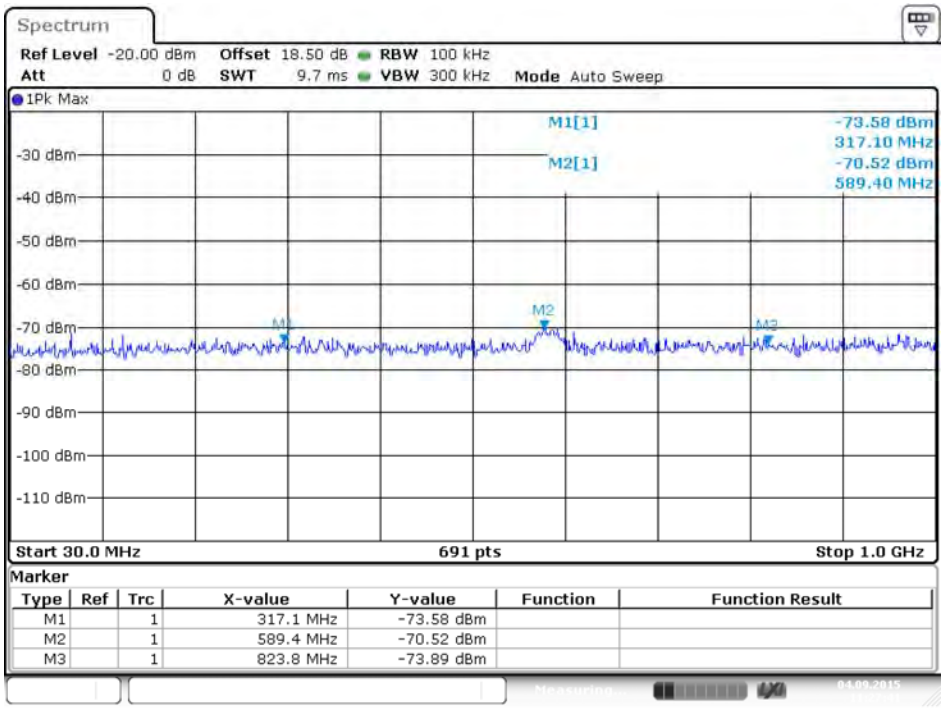
Date: 4.SEP.2015 11:23:41

SPURIOUS 150 kHz ~ 30 MHz



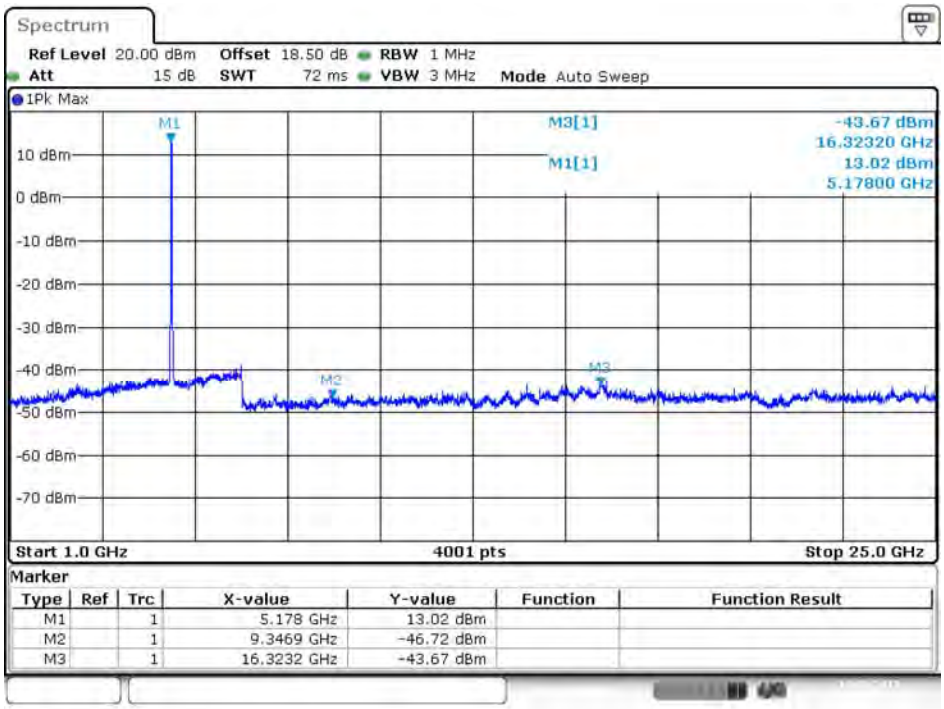
Date: 4.SEP.2015 11:25:21

SPURIOUS 30 MHz ~ 1 GHz



Date: 4.SEP.2015 11:27:42

Band I 11a CH36, SPURIOUS 1 GHz ~ 25 GHz



Date: 14.SEP.2015 21:13:38

Test Data(Test frequency: 1 - 25 GHz)

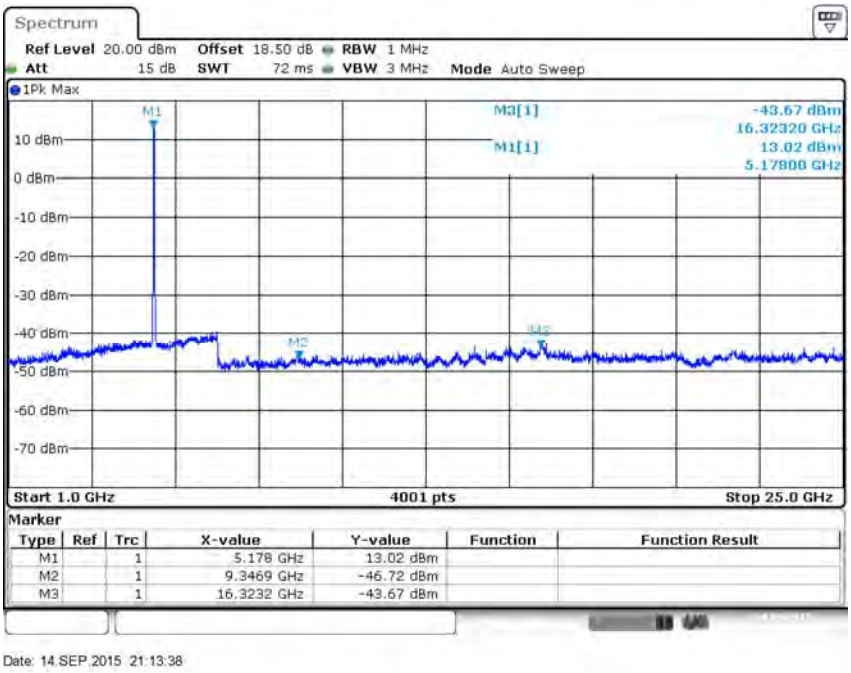
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11a CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
9346.9	-46.72	0	3	2	PK	50.54	70.26	19.72	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
163232	-43.67	0	3	2	PK	53.59	70.26	16.67	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5178	13.02	0	3	2	PK	110.28	N/A	N/A	Note 1	N/A
	-11.83		3	2	AV	85.43	N/A	N/A		N/A

Test Plots

Band I 11a CH36, SPURIOUS 1 GHz ~ 25 GHz



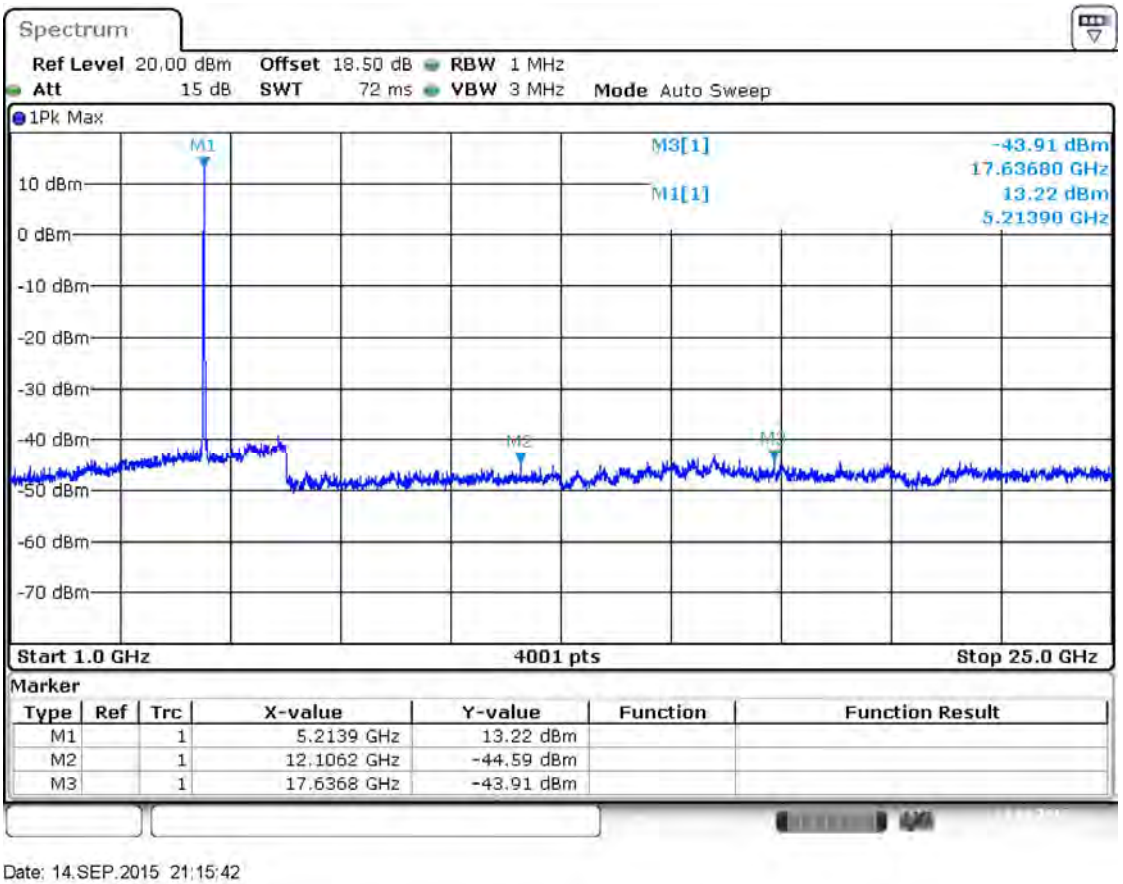
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11a CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12106.2	-44.59	0	3	2	PK	52.67	70.26	17.59	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
17636.8	-43.91	0	3	2	PK	53.35	70.26	16.91	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5213.9	13.22	0	3	2	PK	110.48	N/A	N/A	Note 1	N/A
	-11.63		3	2	AV	85.63	N/A	N/A		N/A

Test Plots

Band I 11a CH44, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

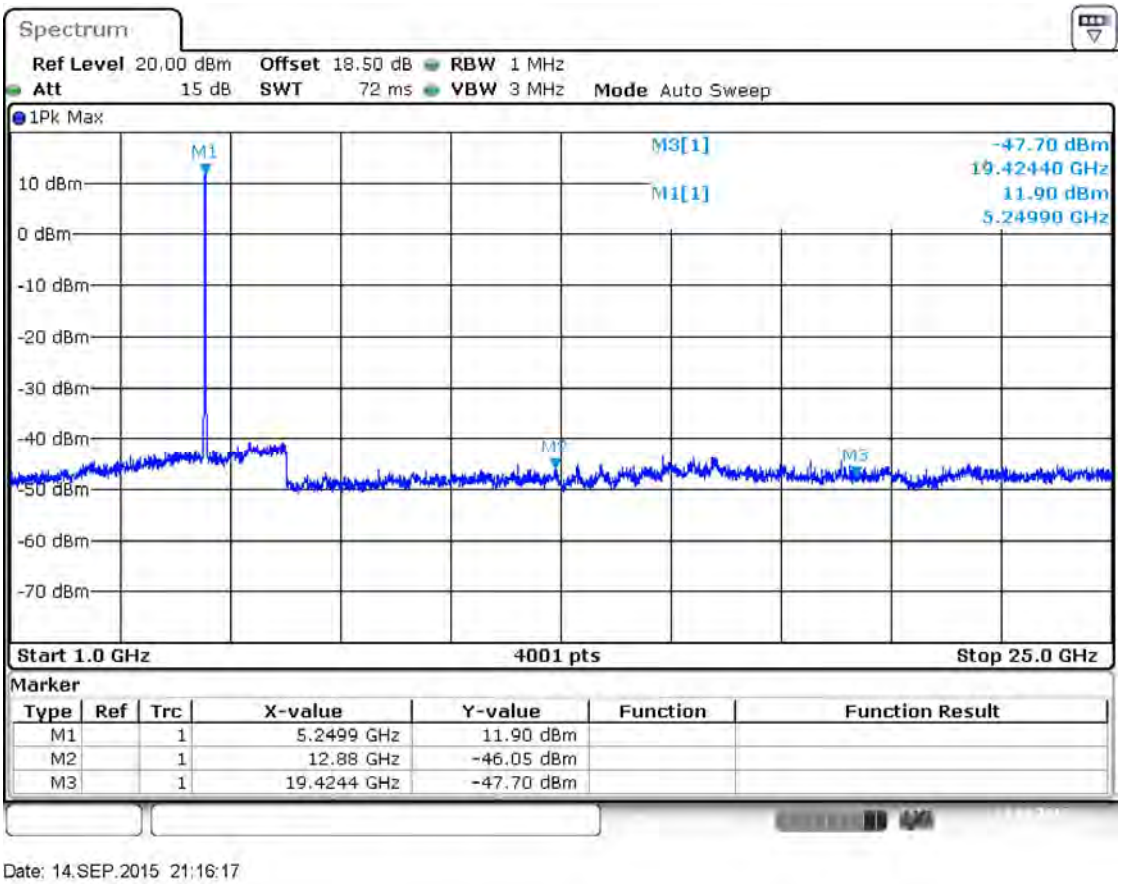
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11a CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12880	-46.05	0	3	2	PK	51.21	70.26	19.05	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19424.4	-47.7	0	3	2	PK	49.56	70.26	20.70	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5249.9	11.9	0	3	2	PK	109.16	N/A	N/A	Note 1	N/A
	-12.95		3	2	AV	84.31	N/A	N/A		N/A

Test Plots

Band I 11a CH48, SPURIOUS 1 GHz ~ 25 GHz



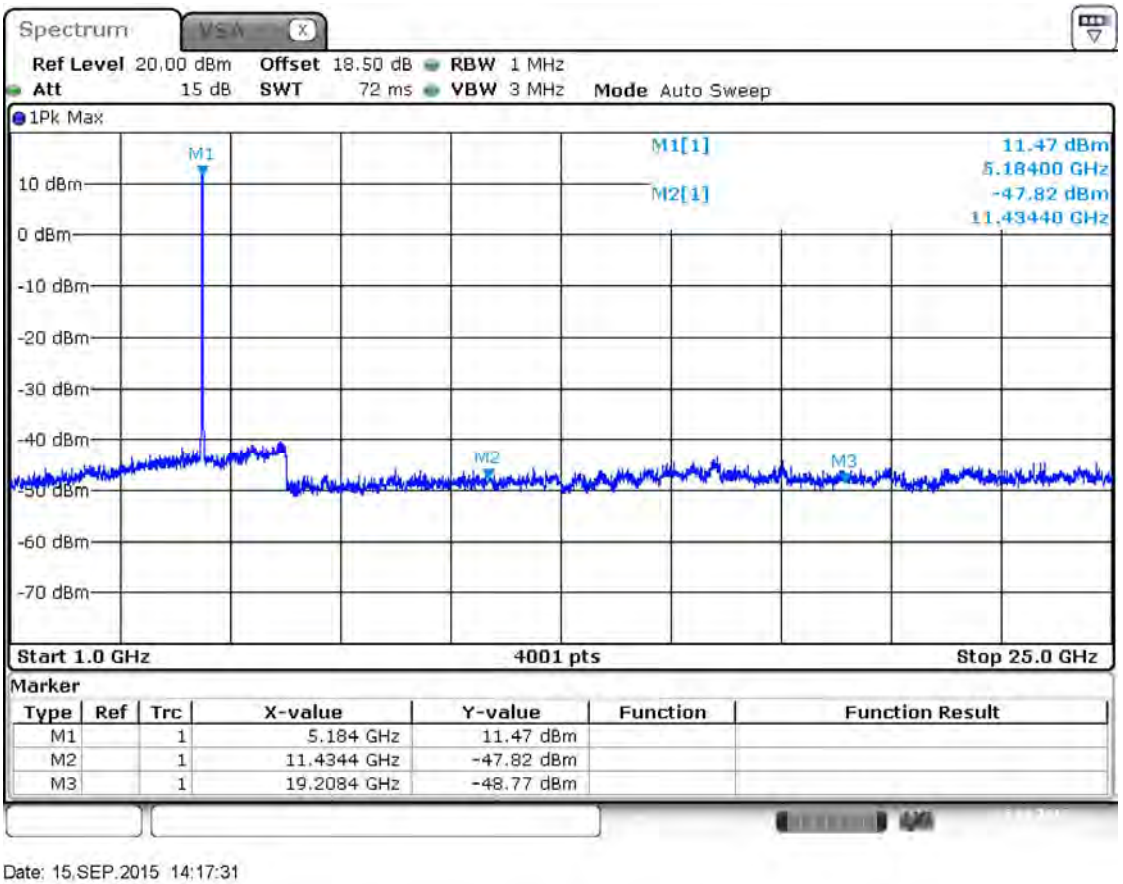
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT20) CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11434.4	-47.82	0	3	2	PK	49.44	70.26	20.82	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19208.4	-47.77	0	3	2	PK	49.49	70.26	20.77	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5184	11.47	0	3	2	PK	108.73	N/A	N/A	Note 1	N/A
	-13.38		3	2	AV	83.88	N/A	N/A		N/A

Test Plots

Band I 11n(HT20) CH36, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

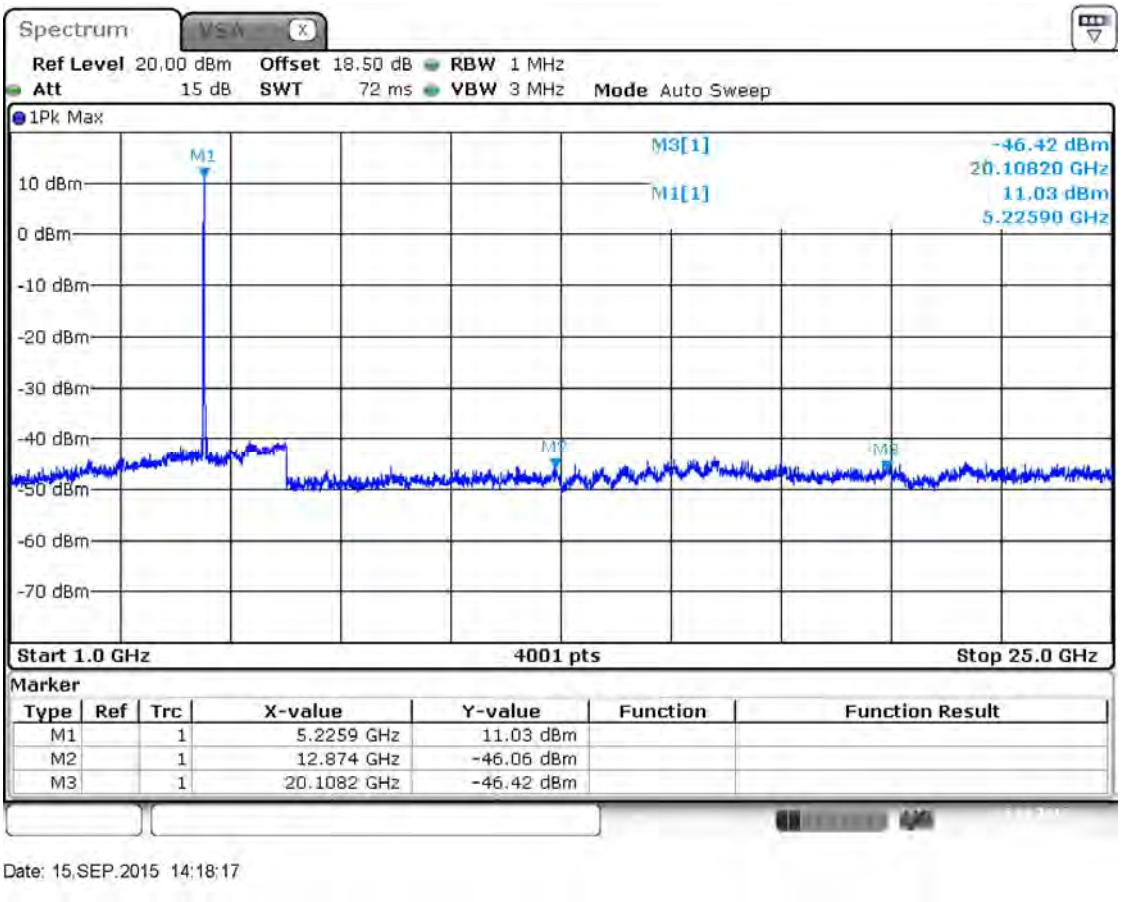
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT20) CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12874	-46.06	0	3	2	PK	51.20	70.26	19.06	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20108.2	-46.42	0	3	2	PK	50.84	70.26	19.42	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5225.9	11.03	0	3	2	PK	108.29	N/A	N/A	Note 1	N/A
	-13.82		3	2	AV	83.44	N/A	N/A		N/A

Test Plots

Band I 11n(HT20) CH44, SPURIOUS 1 GHz ~ 25 GHz



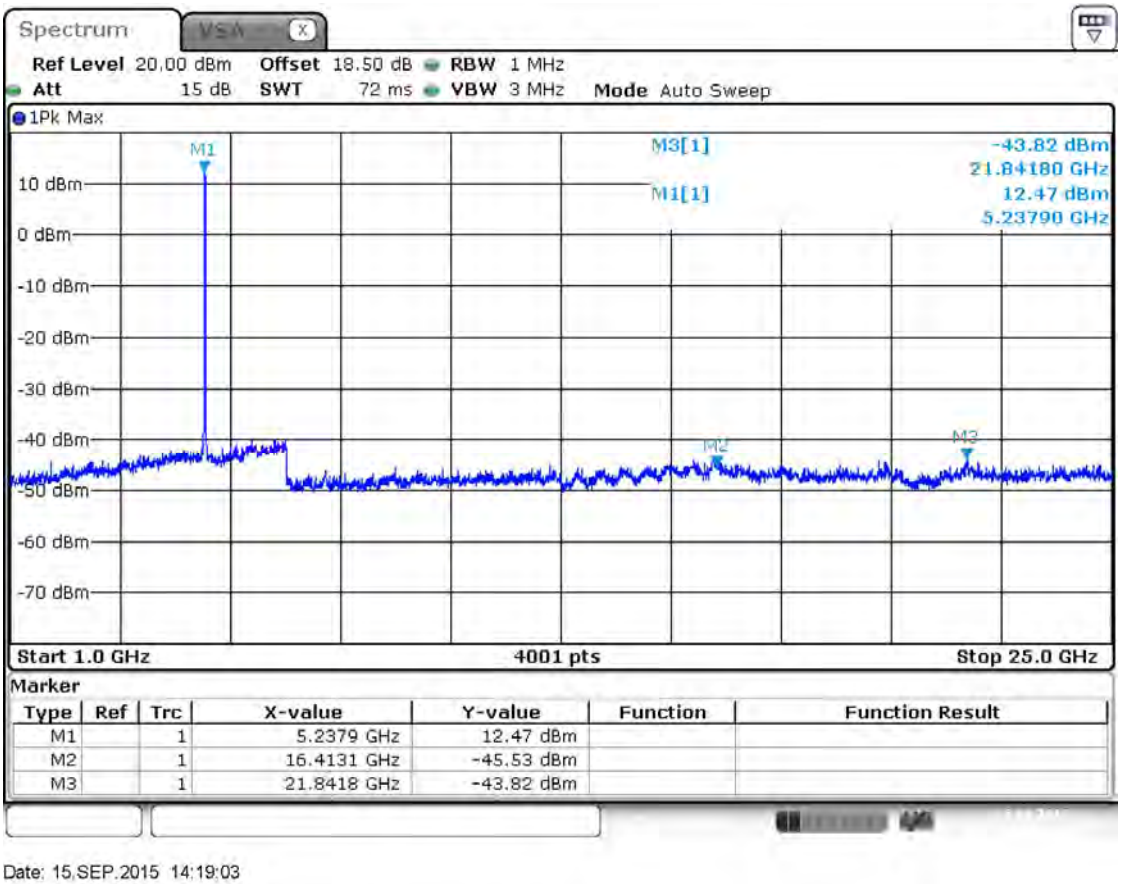
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT20) CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16413.1	-45.53	0	3	2	PK	51.73	70.26	18.53	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21341.8	-43.82	0	3	2	PK	53.44	70.26	16.82	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5237.9	12.47	0	3	2	PK	109.73	N/A	N/A	Note 1	N/A
	-12.38		3	2	AV	84.88	N/A	N/A		N/A

Test Plots

Band I 11n(HT20) CH48, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

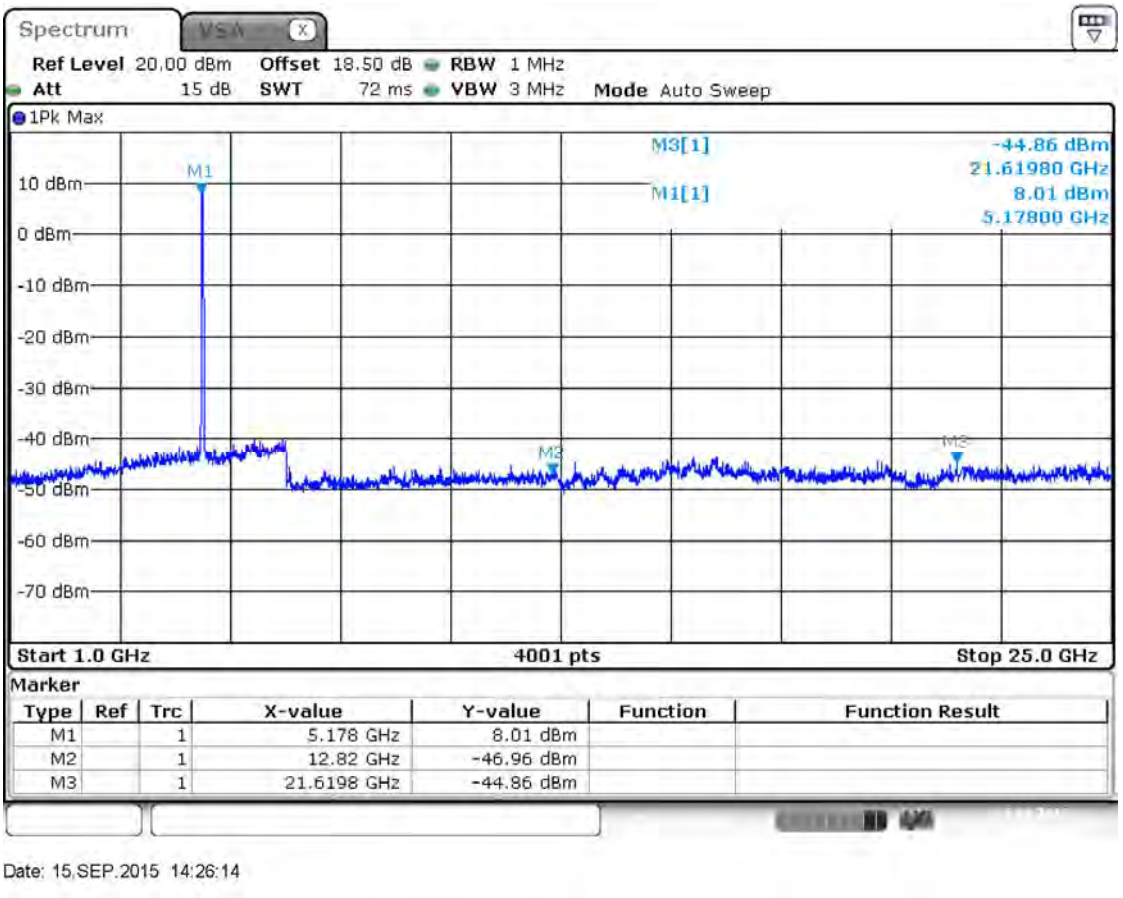
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT40) CH38

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12820	-46.96	0	3	2	PK	50.30	70.26	19.96	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21619.8	-44.86	0	3	2	PK	52.40	70.26	17.86	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5178	8.01	0	3	2	PK	105.27	N/A	N/A	Note 1	N/A
	-16.84		3	2	AV	80.42	N/A	N/A		N/A

Test Plots

Band I 11n(HT40) CH38, SPURIOUS 1 GHz ~ 25 GHz



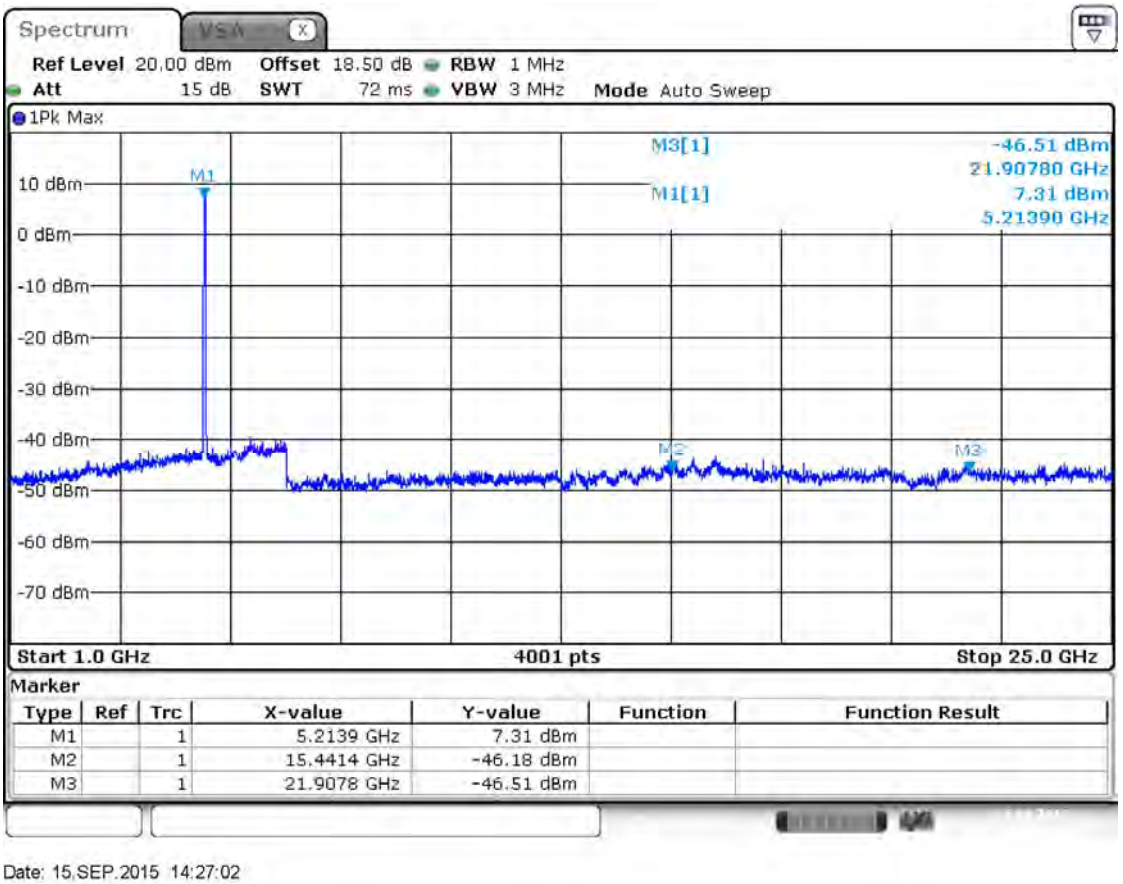
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT40) CH46

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15441.1	-46.18	0	3	2	PK	51.08	70.26	19.18	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21907.8	-46.51	0	3	2	PK	50.75	70.26	19.51	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5213.9	7.31	0	3	2	PK	104.57	N/A	N/A	Note 1	N/A
	-17.54		3	2	AV	79.72	N/A	N/A		N/A

Test Plots

Band I 11n(HT40) CH46, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

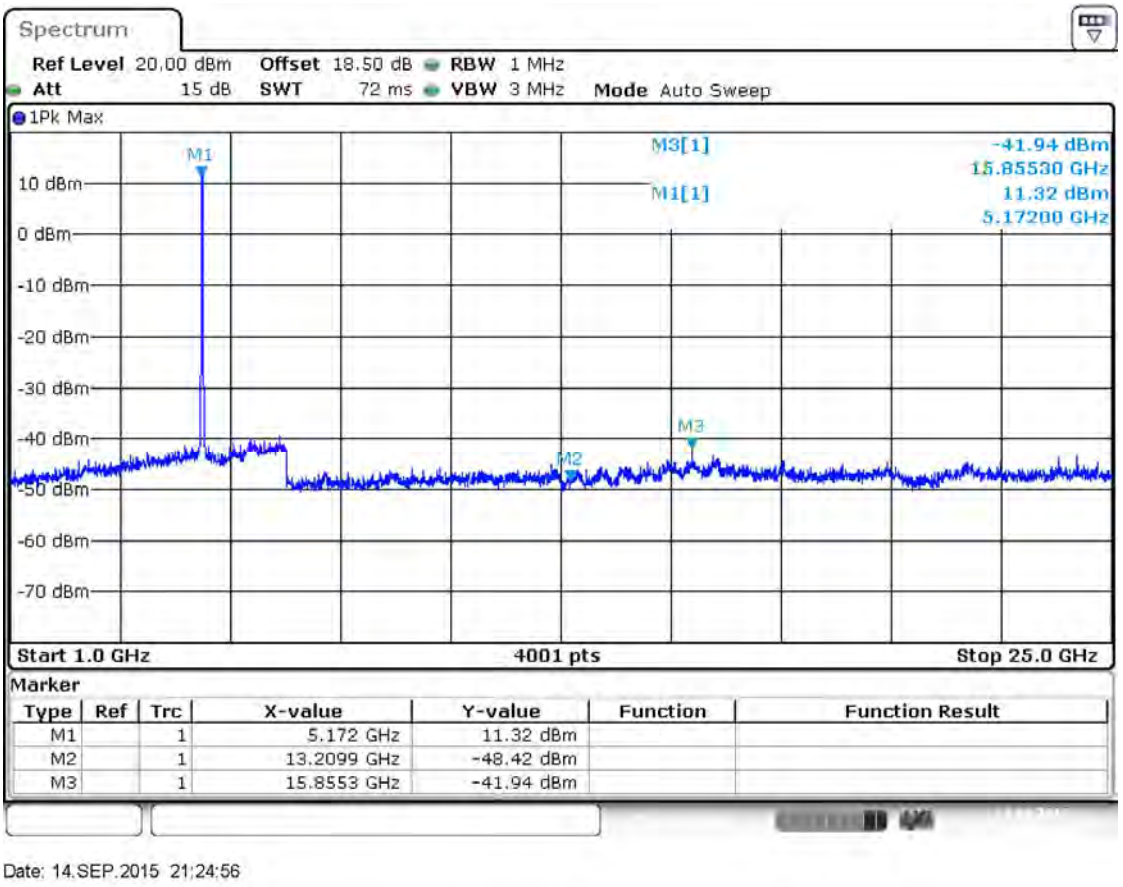
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT20) CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
13209.9	-48.42	0	3	2	PK	48.84	70.26	21.42	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
15855.3	-41.94	0	3	2	PK	55.32	70.26	14.94	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5172	11.32	0	3	2	PK	108.58	N/A	N/A	Note 1	N/A
	-13.53		3	2	AV	83.73	N/A	N/A		N/A

Test Plots

Band I 11ac(HT20) CH36, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

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Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

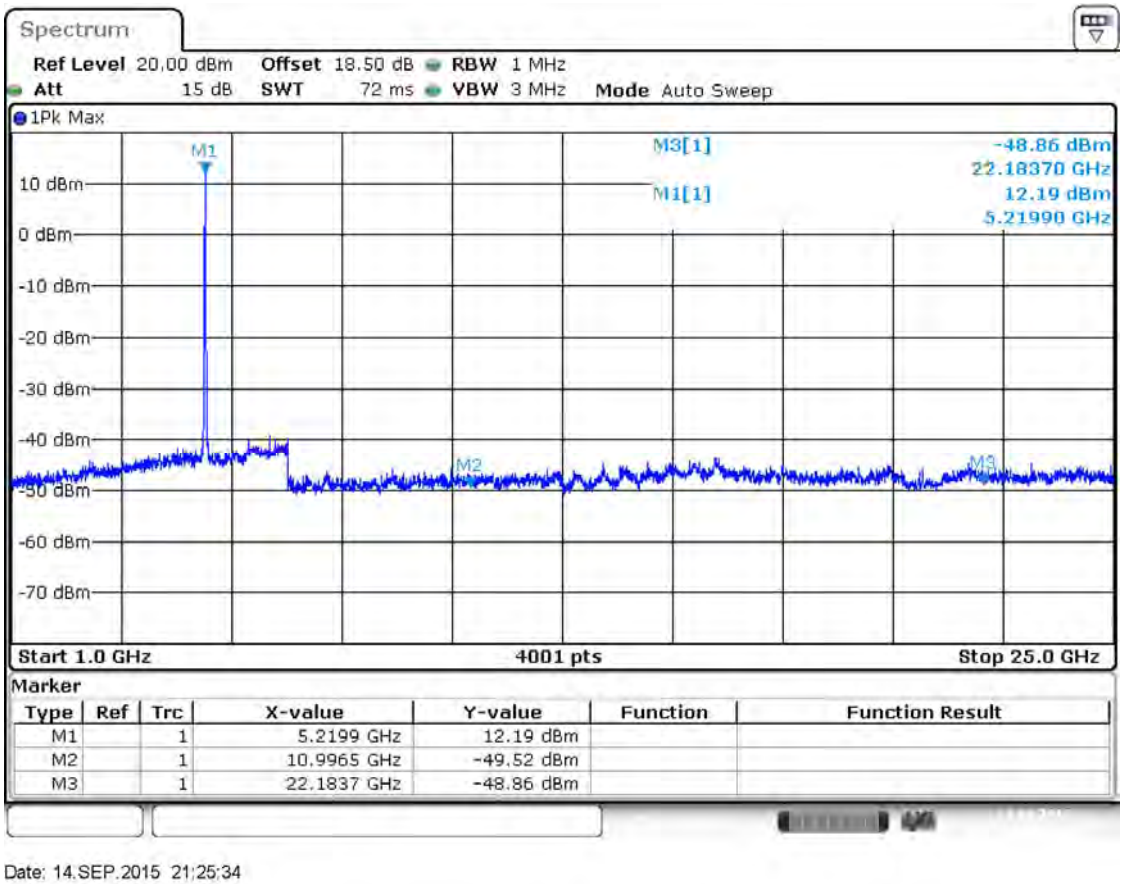
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT20) CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
10996.5	-49.52	0	3	2	PK	47.74	70.26	22.52	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22183.7	-48.86	0	3	2	PK	48.40	70.26	21.86	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5219.9	12.19	0	3	2	PK	109.45	N/A	N/A	Note 1	N/A
	-12.66		3	2	AV	84.60	N/A	N/A		N/A

Test Plots

Band I 11ac(HT20) CH44, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

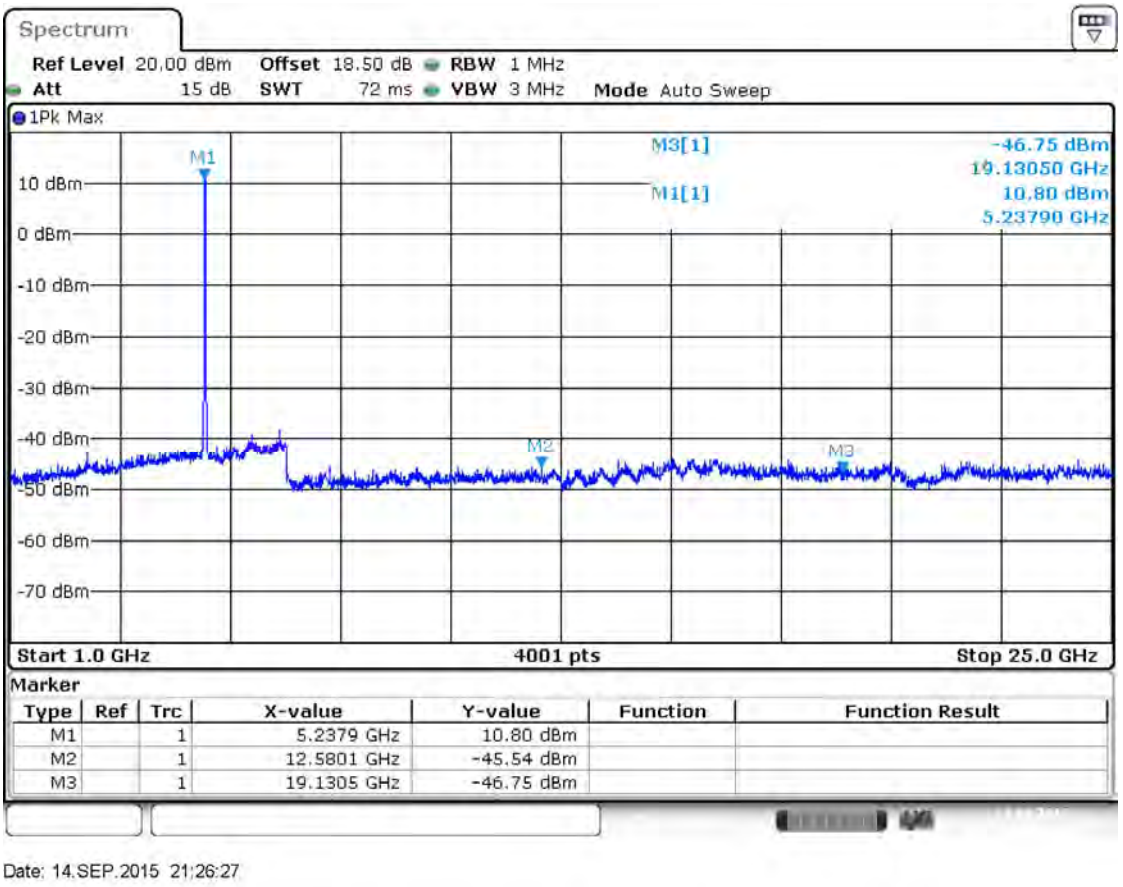
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT20) CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12580.1	-45.54	0	3	2	PK	51.72	70.26	18.54	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19130.5	-45.54	0	3	2	PK	51.72	70.26	18.54	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5237.9	10.8	0	3	2	PK	108.06	N/A	N/A	Note 1	N/A
	-14.05		3	2	AV	83.21	N/A	N/A		N/A

Test Plots

Band I 11ac(HT20) CH48, SPURIOUS 1 GHz ~ 25 GHz



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And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

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Note 3: Average measurement was not performed if peak level went lower than the average limit.

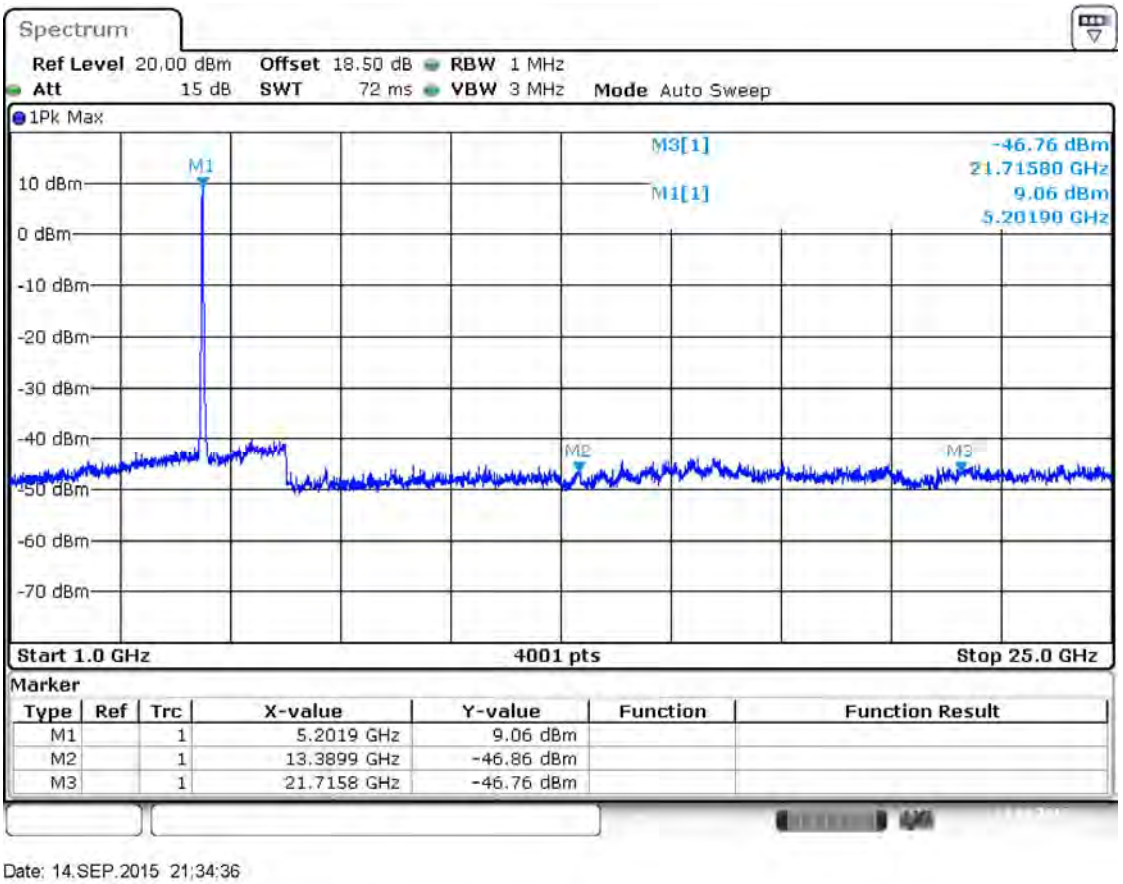
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT40) CH38

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
13389.9	-46.86	0	3	2	PK	50.40	70.26	19.86	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21715.8	-46.76	0	3	2	PK	50.50	70.26	19.76	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5201.9	9.06	0	3	2	PK	106.32	N/A	N/A	Note 1	N/A
	-15.79		3	2	AV	81.47	N/A	N/A		N/A

Test Plots

Band I 11ac(HT40) CH38, SPURIOUS 1 GHz ~ 25 GHz



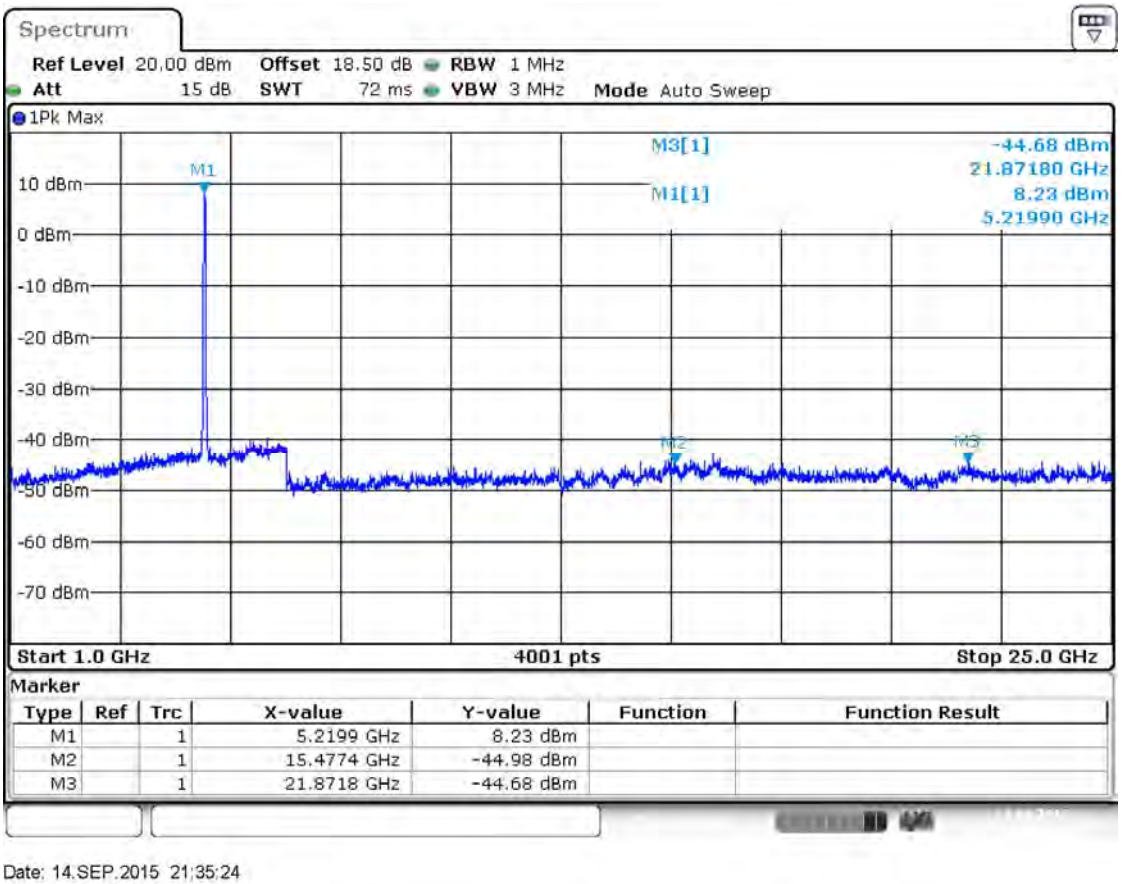
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT40) CH46

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15477.4	-44.98	0	3	2	PK	52.28	70.26	17.98	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21871.8	-44.68	0	3	2	PK	52.58	70.26	17.68	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5219.9	8.23	0	3	2	PK	105.49	N/A	N/A	Note 1	N/A
	-16.62		3	2	AV	80.64	N/A	N/A		N/A

Test Plots

Band I 11ac(HT40) CH46, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

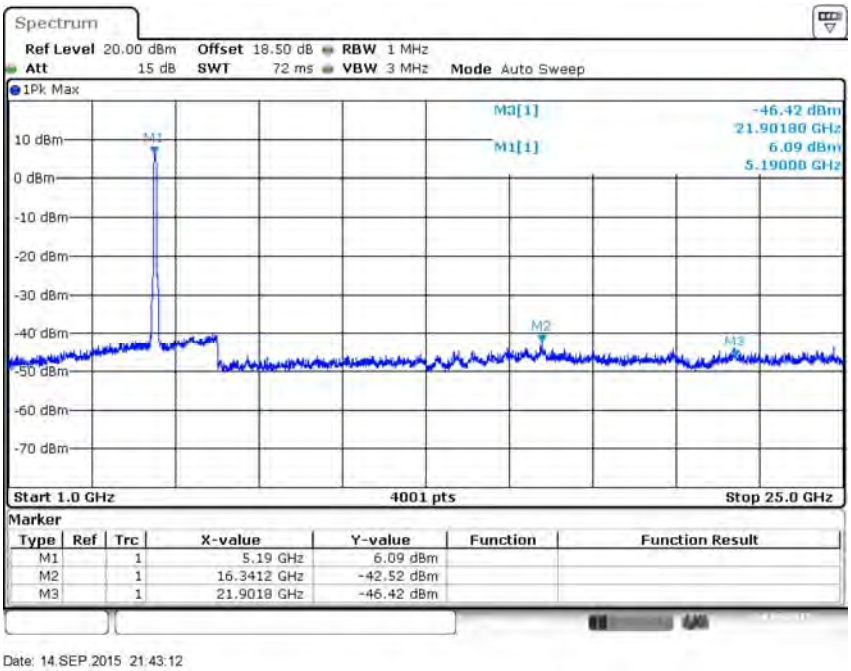
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT80) CH42

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16341.2	-42.52	0	3	2	PK	54.74	70.26	15.52	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21901.8	-46.42	0	3	2	PK	50.84	70.26	19.42	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5190	6.09	0	3	2	PK	103.35	N/A	N/A	Note 1	N/A
	-18.76		3	2	AV	78.50	N/A	N/A		N/A

Test Plots

Band I 11ac(HT80) CH42, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

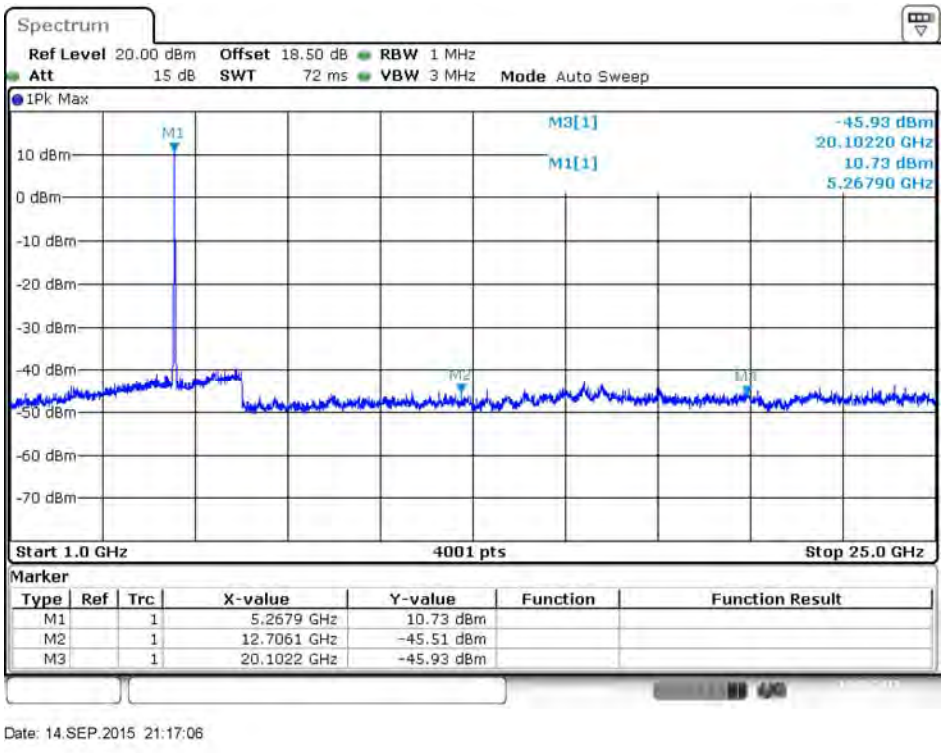
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11a CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12706.1	-45.51	0	3	2	PK	51.75	70.26	18.51	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20102.2	-45.93	0	3	2	PK	51.33	70.26	18.93	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5267.9	10.73	0	3	2	PK	107.99	N/A	N/A	Note 1	N/A
	-14.12		3	2	AV	83.14	N/A	N/A		N/A

Test Plots

Band II 11a CH52, SPURIOUS 1 GHz ~ 25 GHz



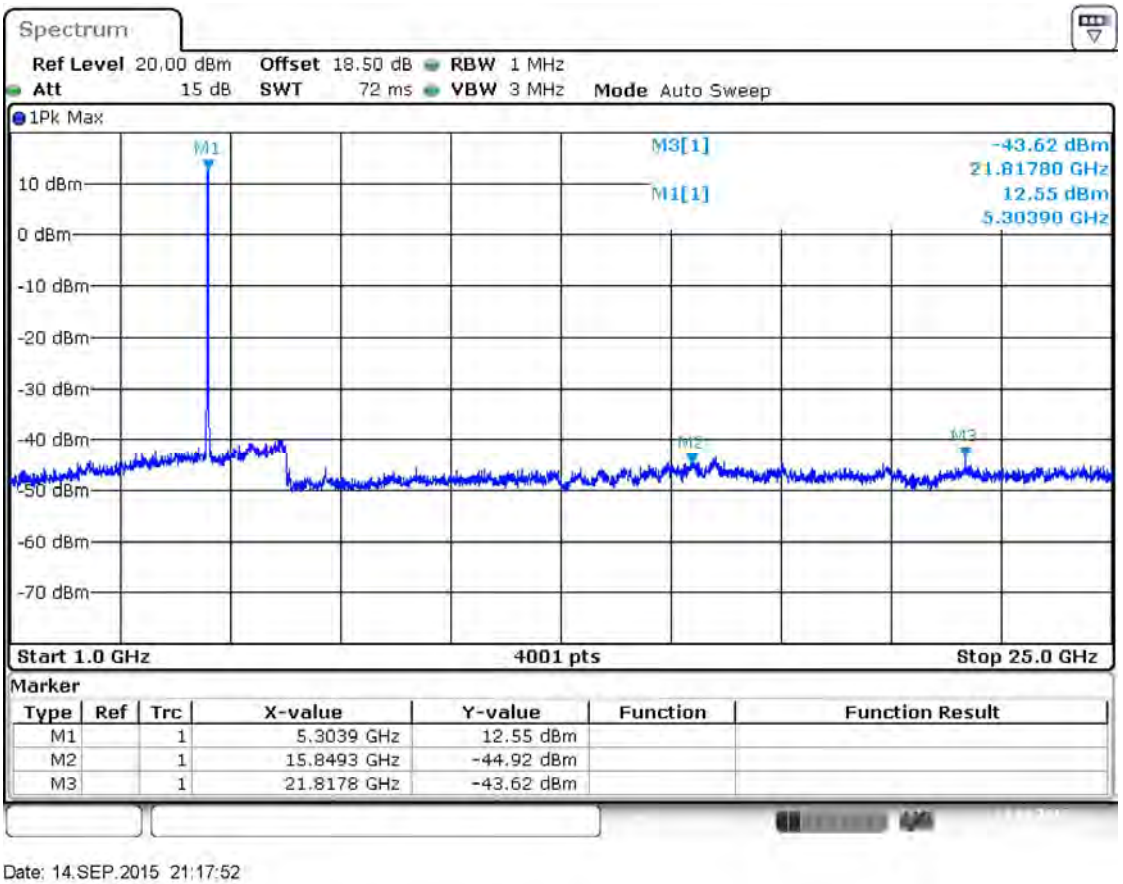
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11a CH56

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15849.3	-44.92	0	3	2	PK	52.34	70.26	17.92	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21817.8	-43.62	0	3	2	PK	53.64	70.26	16.62	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5303.9	12.55	0	3	2	PK	109.81	N/A	N/A	Note 1	N/A
	-12.30		3	2	AV	84.96	N/A	N/A		N/A

Test Plots

Band II 11a CH56, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

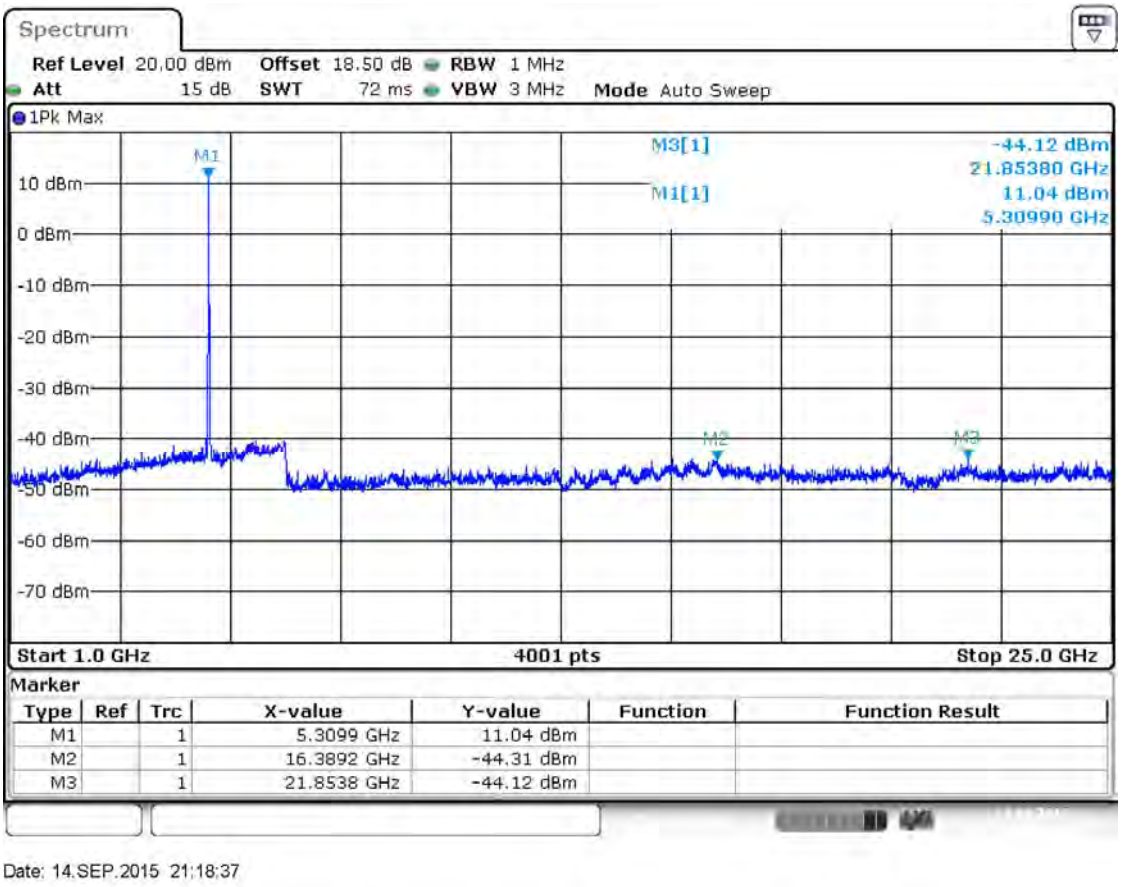
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11a CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16389.2	-44.31	0	3	2	PK	52.95	70.26	17.31	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21853.8	-44.12	0	3	2	PK	53.14	70.26	17.12	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5309.9	11.04	0	3	2	PK	108.30	N/A	N/A	Note 1	N/A
	-13.81		3	2	AV	83.45	N/A	N/A		N/A

Test Plots

Band II 11a CH64, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

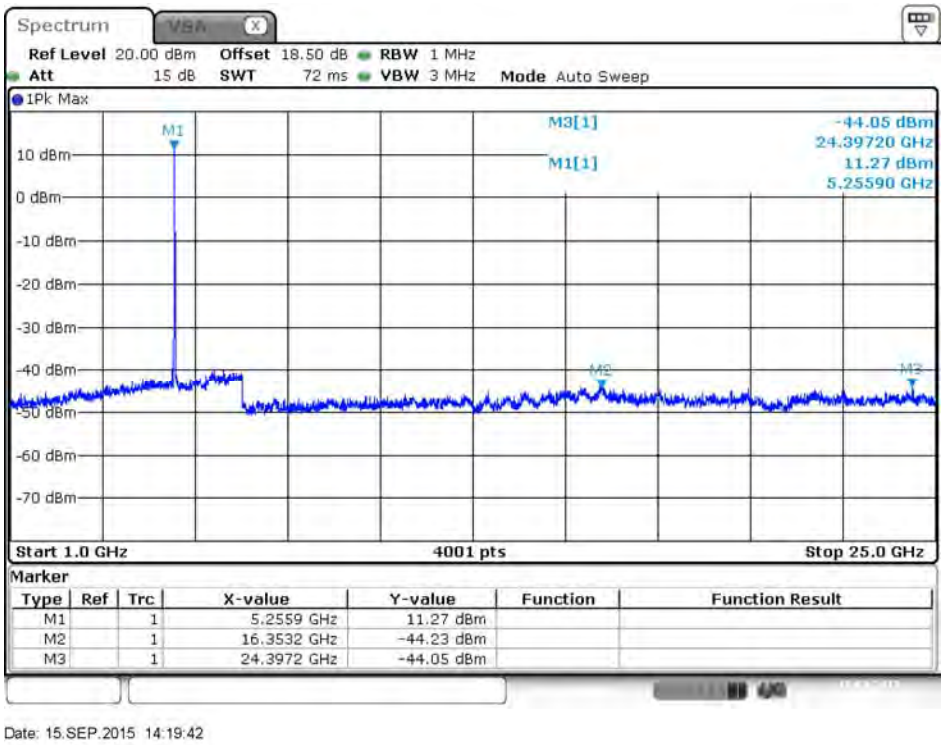
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT20) CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16353.2	-44.23	0	3	2	PK	53.03	70.26	17.23	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
24397.2	-44.05	0	3	2	PK	53.21	70.26	17.05	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5255.9	11.27	0	3	2	PK	108.53	N/A	N/A	Note 1	N/A
	-13.58		3	2	AV	83.68	N/A	N/A		N/A

Test Plots

Band II 11n(HT20) CH52, SPURIOUS 1 GHz ~ 25 GHz



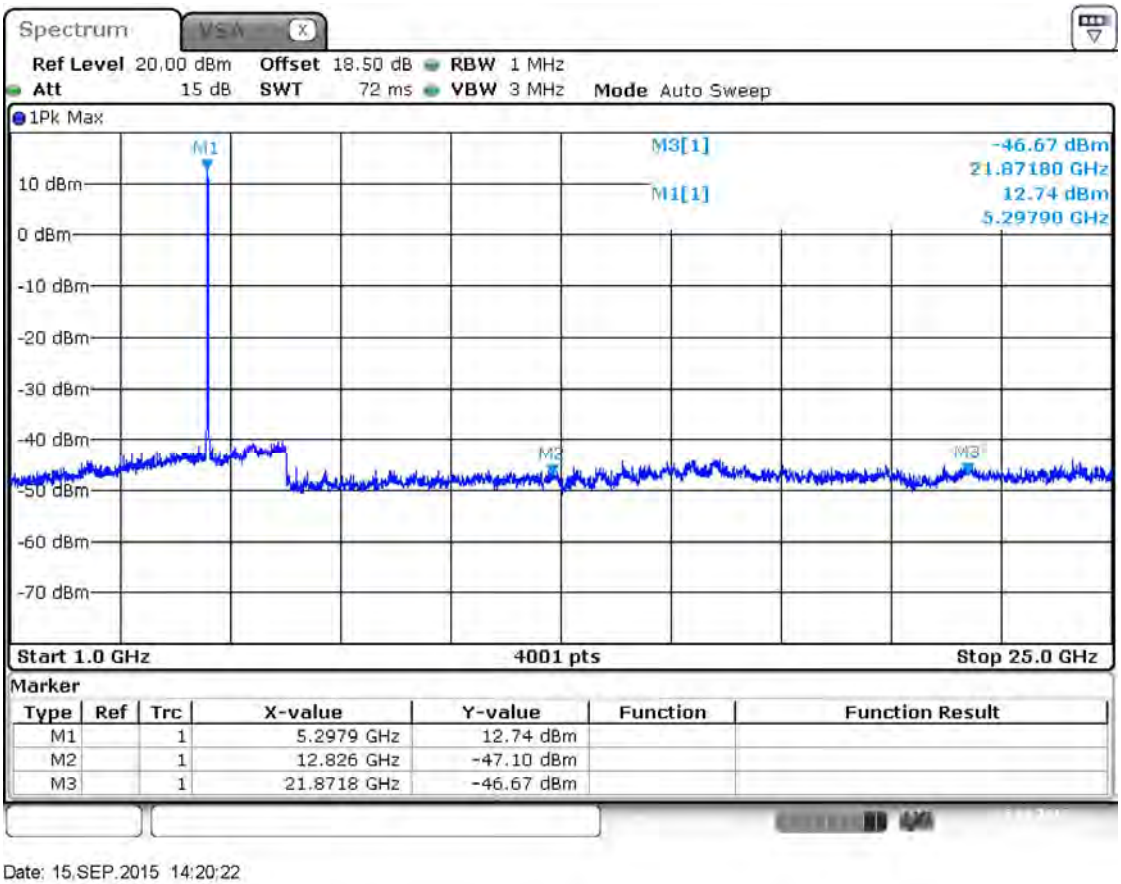
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT20) CH56

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12826	-47.1	0	3	2	PK	50.16	70.26	20.10	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21871.8	-46.67	0	3	2	PK	50.59	70.26	19.67	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5297.9	12.74	0	3	2	PK	110.00	N/A	N/A	Note 1	N/A
	-12.11		3	2	AV	85.15	N/A	N/A		N/A

Test Plots

Band II 11n(HT20) CH52, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

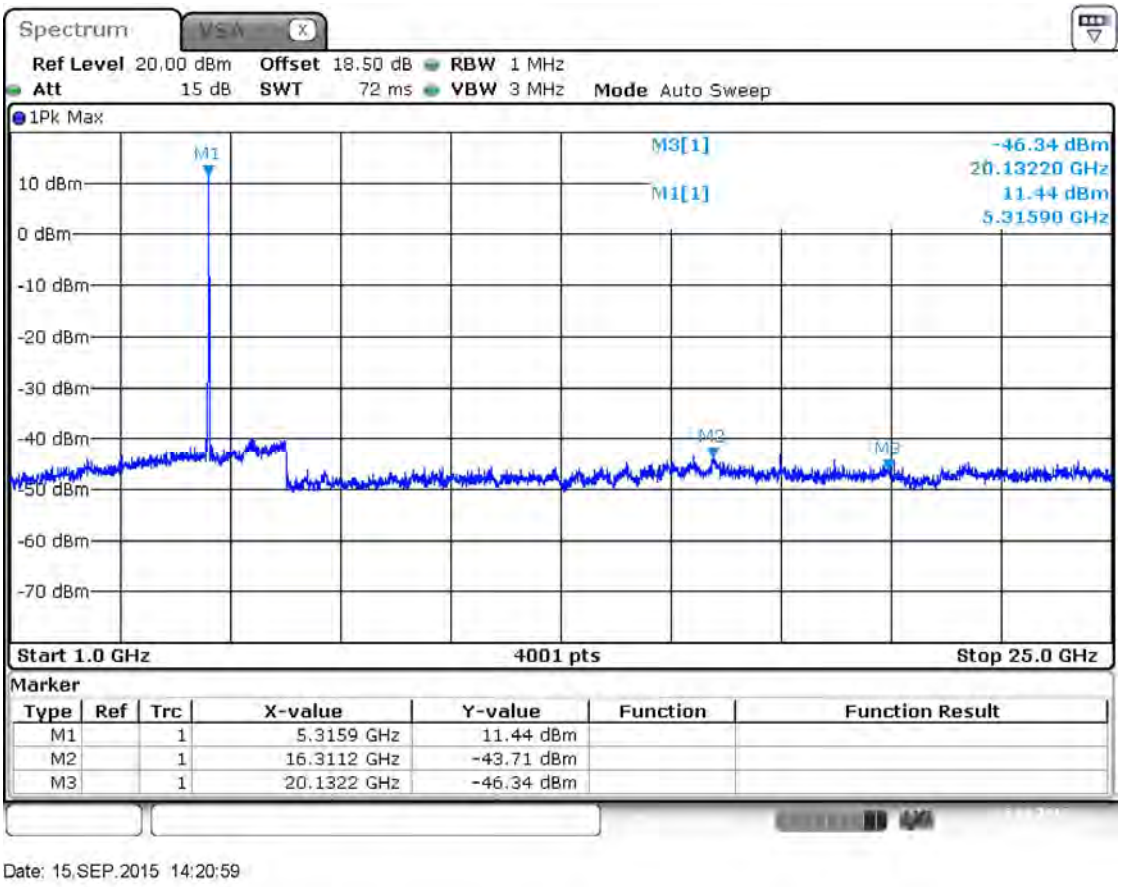
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT20) CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16311.2	-43.71	0	3	2	PK	53.55	70.26	16.71	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20132.2	-46.34	0	3	2	PK	50.92	70.26	19.34	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5315.9	11.44	0	3	2	PK	108.70	N/A	N/A	Note 1	N/A
	-13.41		3	2	AV	83.85	N/A	N/A		N/A

Test Plots

Band II 11n(HT20) CH64, SPURIOUS 1 GHz ~ 25 GHz



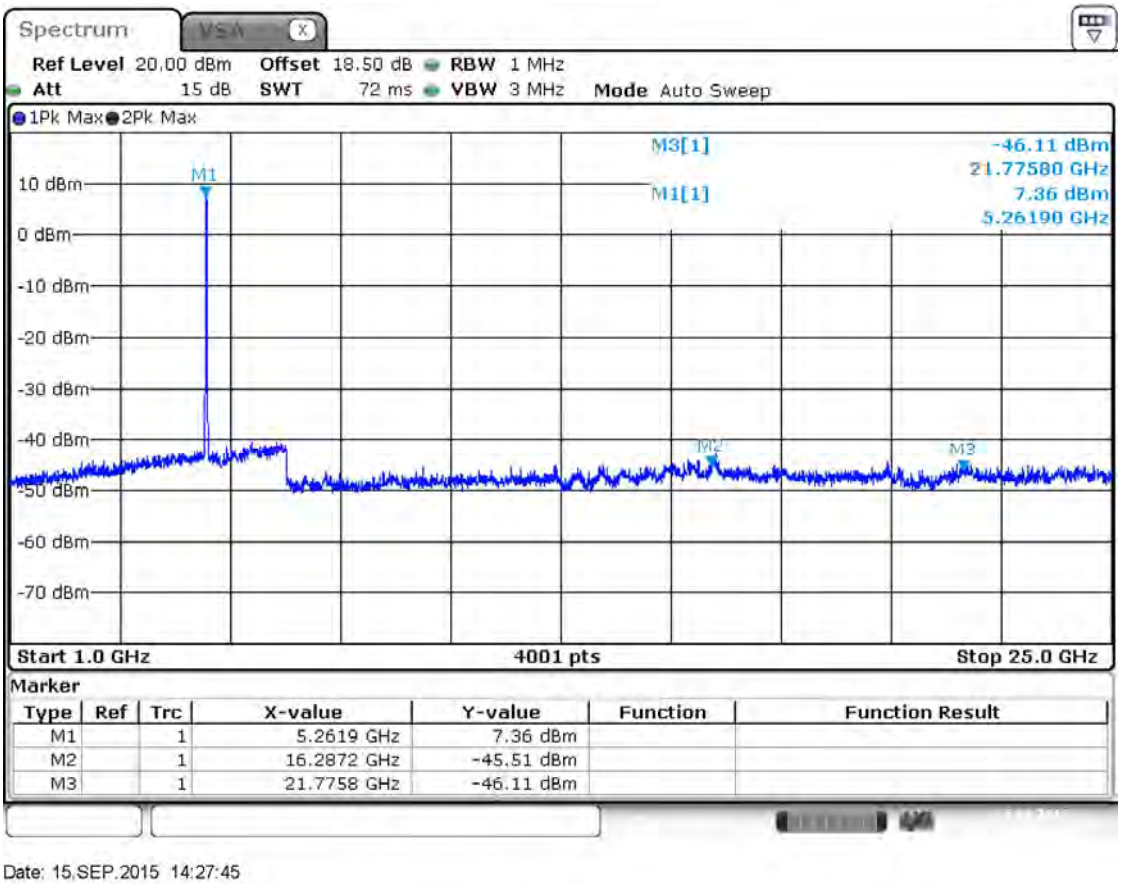
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT40) CH54

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16287.2	-45.51	0	3	2	PK	51.75	70.26	18.51	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21775.8	-46.11	0	3	2	PK	51.15	70.26	19.11	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5261.9	7.36	0	3	2	PK	104.62	N/A	N/A	Note 1	N/A
	-17.49		3	2	AV	79.77	N/A	N/A		N/A

Test Plots

Band II 11n(HT40) CH54, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

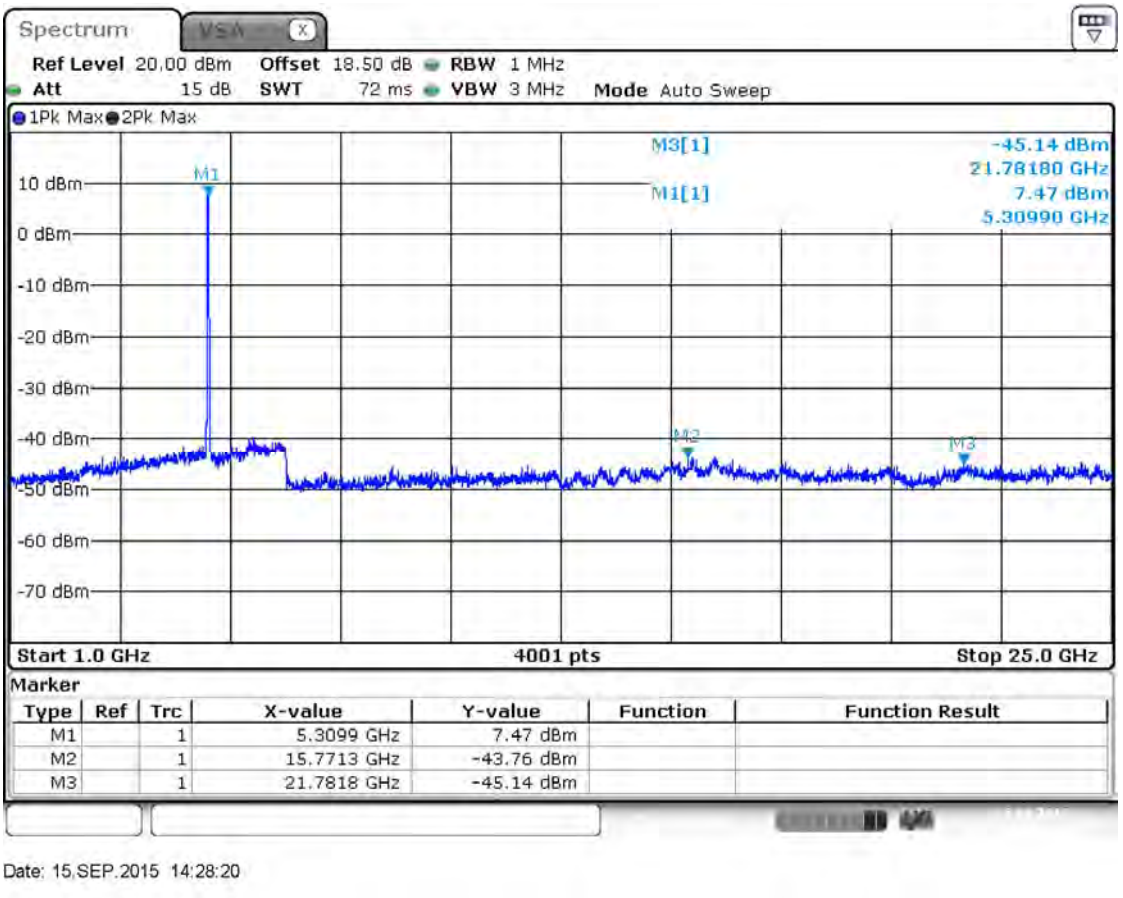
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT40) CH62

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15771.3	-43.76	0	3	2	PK	53.50	70.26	16.76	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21781.8	-45.14	0	3	2	PK	52.12	70.26	18.14	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5309.9	7.47	0	3	2	PK	104.73	N/A	N/A	Note 1	N/A
	-17.38		3	2	AV	79.88	N/A	N/A		N/A

Test Plots

Band II 11n(HT40) CH62, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

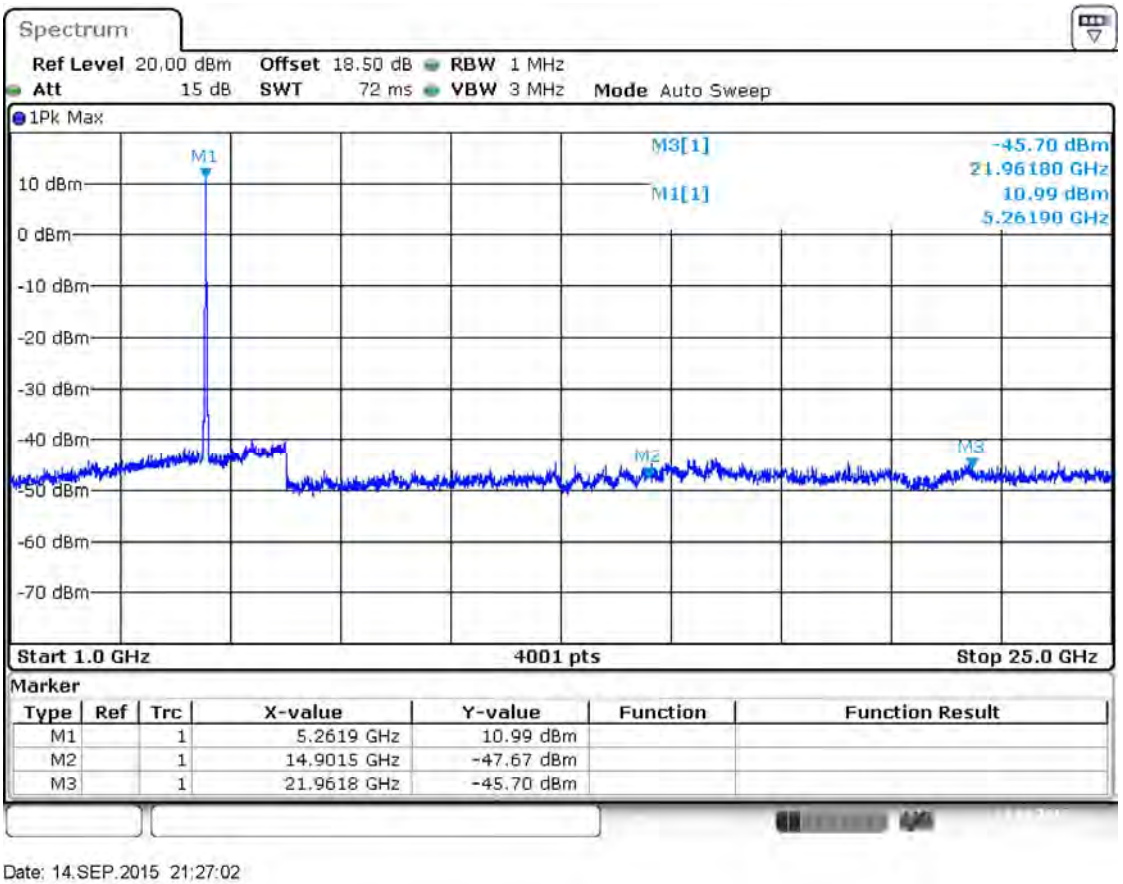
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT20) CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
14901.5	-47.67	0	3	2	PK	49.59	70.26	20.67	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21961.8	-45.7	0	3	2	PK	51.56	70.26	18.70	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5261.9	10.99	0	3	2	PK	108.25	N/A	N/A	Note 1	N/A
	-13.86		3	2	AV	83.40	N/A	N/A		N/A

Test Plots

Band II 11ac(HT20) CH52, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

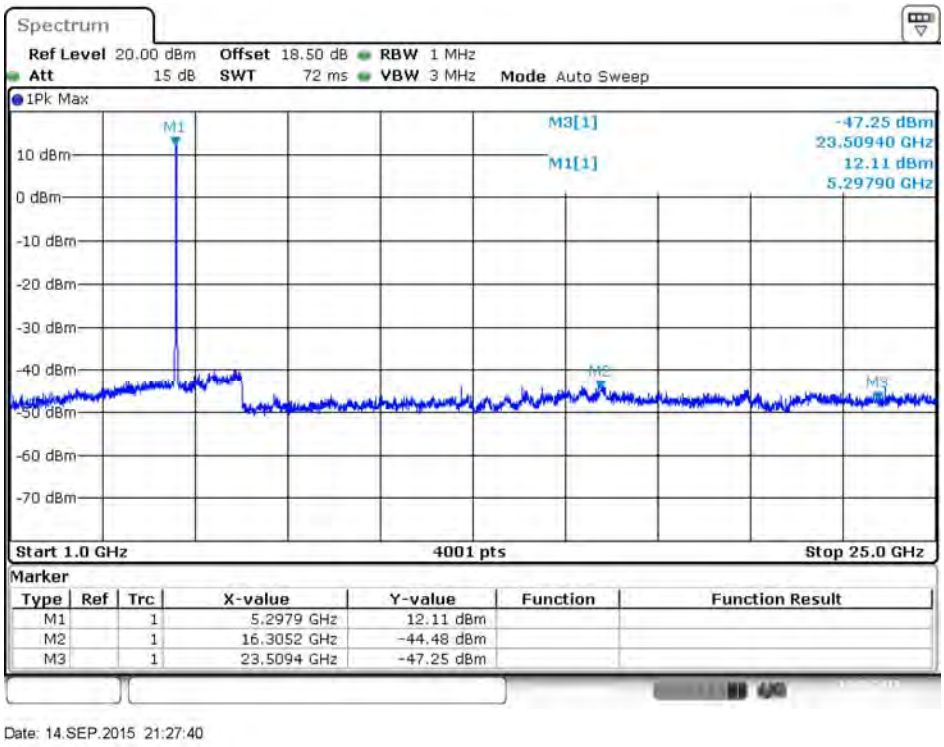
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT20) CH56

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16305.2	-44.48	0	3	2	PK	52.78	70.26	17.48	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
23509.4	-47.25	0	3	2	PK	50.01	70.26	20.25	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5297.9	12.11	0	3	2	PK	109.37	N/A	N/A	Note 1	N/A
	-12.74		3	2	AV	84.52	N/A	N/A		N/A

Test Plots

Band II 11ac(HT20) CH56, SPURIOUS 1 GHz ~ 25 GHz



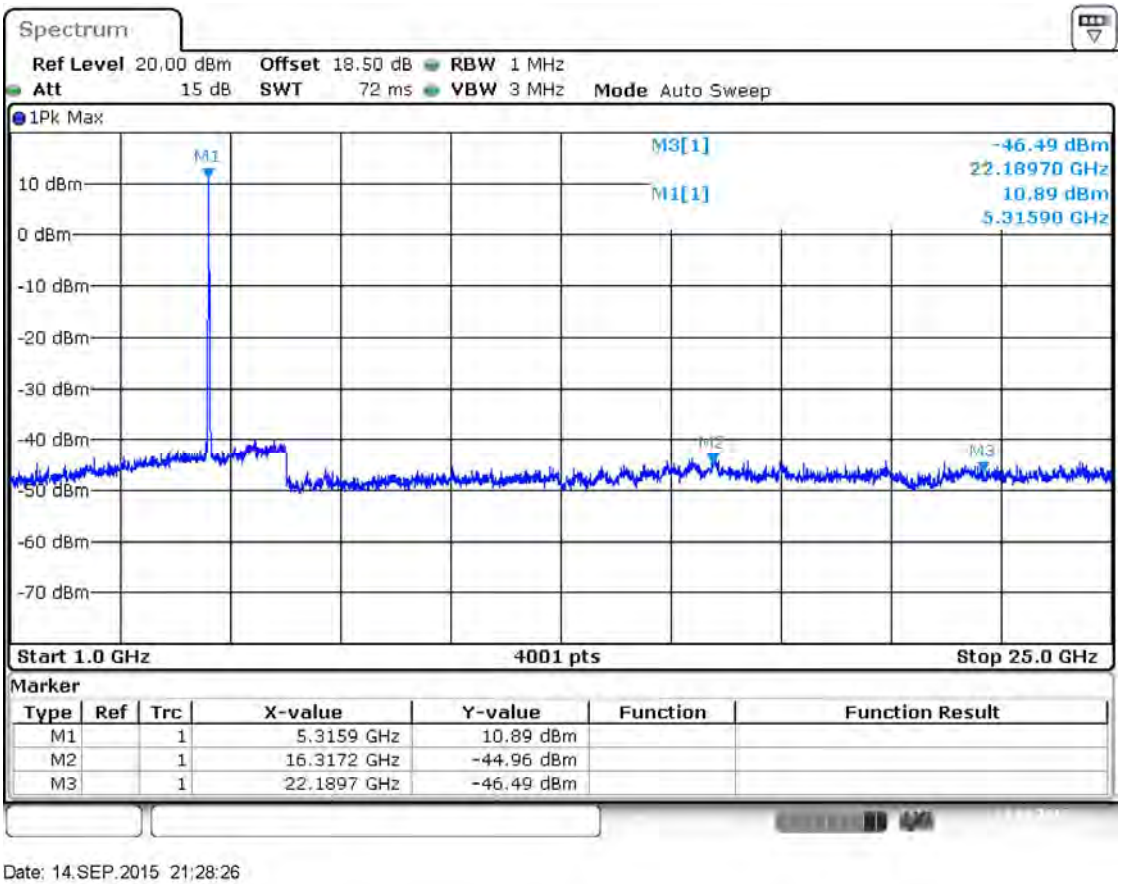
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT20) CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16317.2	-44.96	0	3	2	PK	52.30	70.26	17.96	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22189.7	-46.49	0	3	2	PK	50.77	70.26	19.49	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5315.9	10.89	0	3	2	PK	108.15	N/A	N/A	Note 1	N/A
	-13.96		3	2	AV	83.30	N/A	N/A		N/A

Test Plots

Band II 11ac(HT20) CH64, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

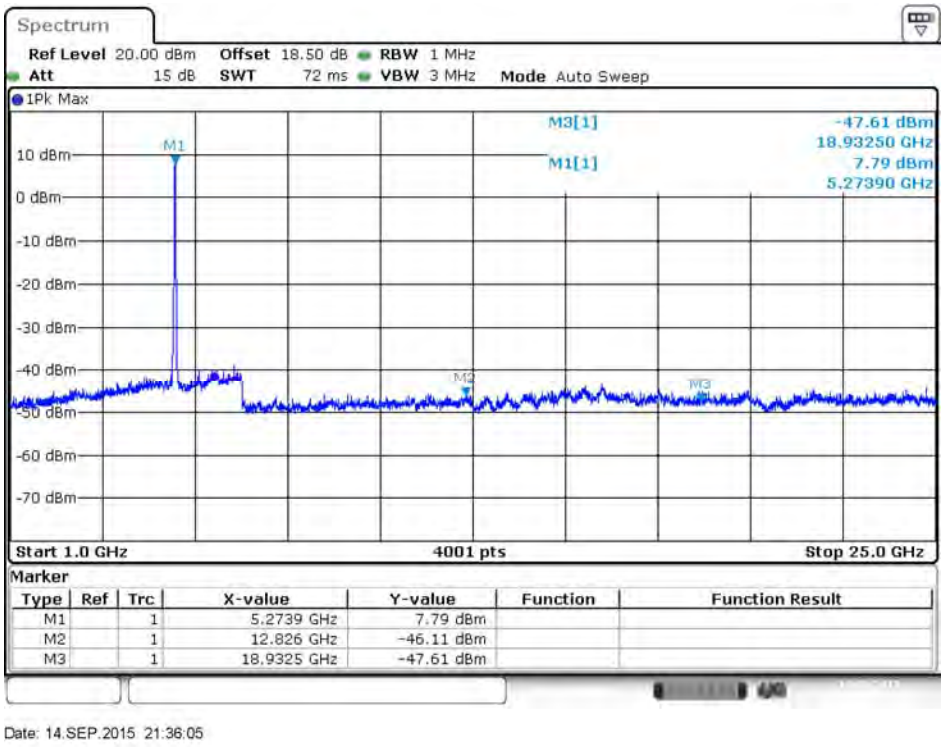
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT40) CH54

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12826	-46.11	0	3	2	PK	51.15	70.26	19.11	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
118932.5	-47.61	0	3	2	PK	49.65	70.26	20.61	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5273.9	7.79	0	3	2	PK	105.05	N/A	N/A	Note 1	N/A
	-17.06		3	2	AV	80.20	N/A	N/A		N/A

Test Plots

Band II 11ac(HT40) CH54, SPURIOUS 1 GHz ~ 25 GHz



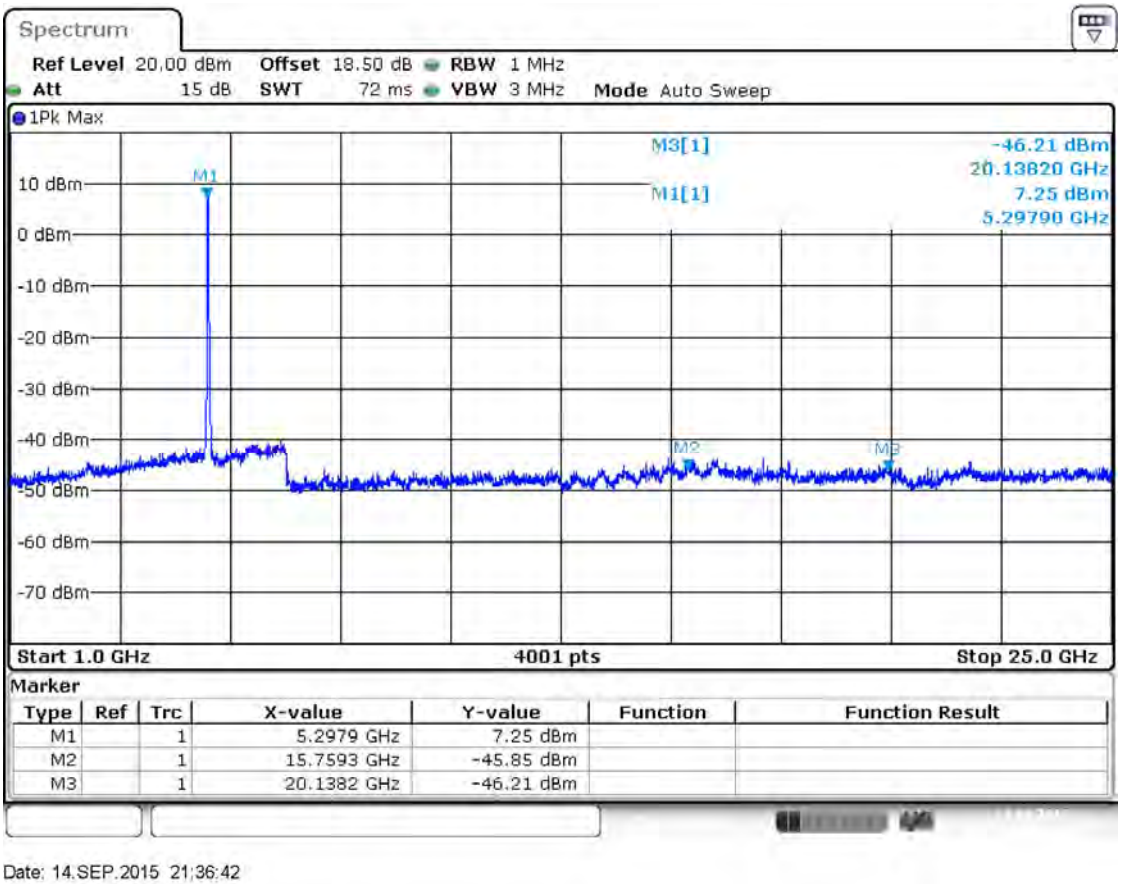
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT40) CH62

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15759.3	-45.85	0	3	2	PK	51.41	70.26	18.85	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20138.2	-46.21	0	3	2	PK	51.05	70.26	19.21	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5297.9	7.25	0	3	2	PK	104.51	N/A	N/A	Note 1	N/A
	-17.60		3	2	AV	79.66	N/A	N/A		N/A

Test Plots

Band II 11ac(HT40) CH62, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

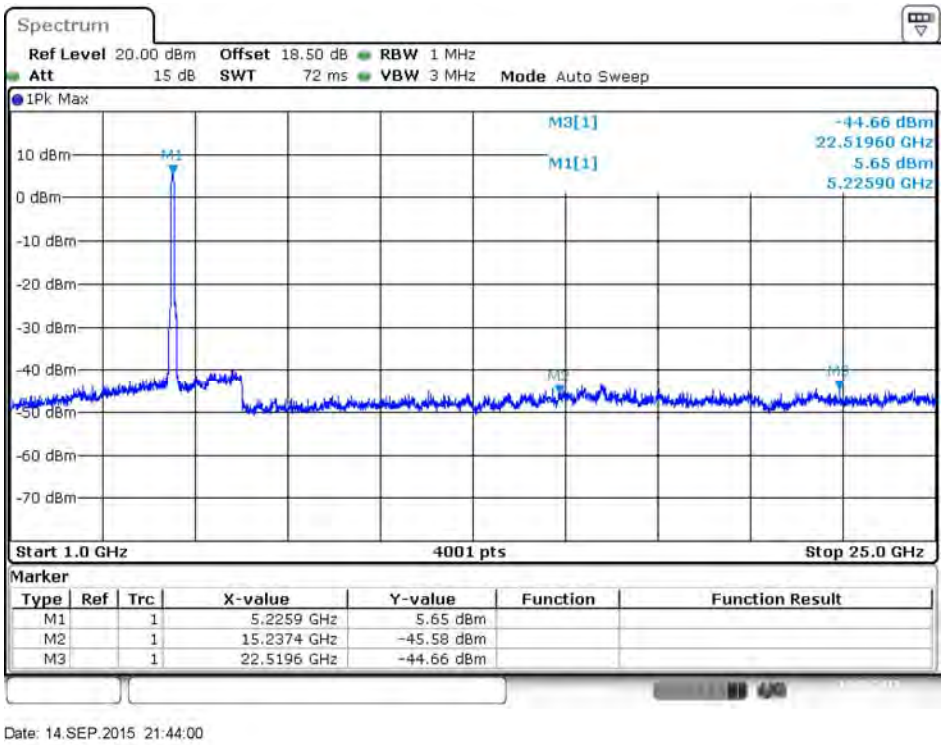
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11ac(HT80) CH58

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15237.4	-45.58	0	3	2	PK	51.68	70.26	18.58	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22519.6	-44.66	0	3	2	PK	52.60	70.26	17.66	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5225.9	5.65	0	3	2	PK	102.91	N/A	N/A	Note 1	N/A
	-19.20		3	2	AV	78.06	N/A	N/A		N/A

Test Plots

Band II 11ac(HT80) CH58, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

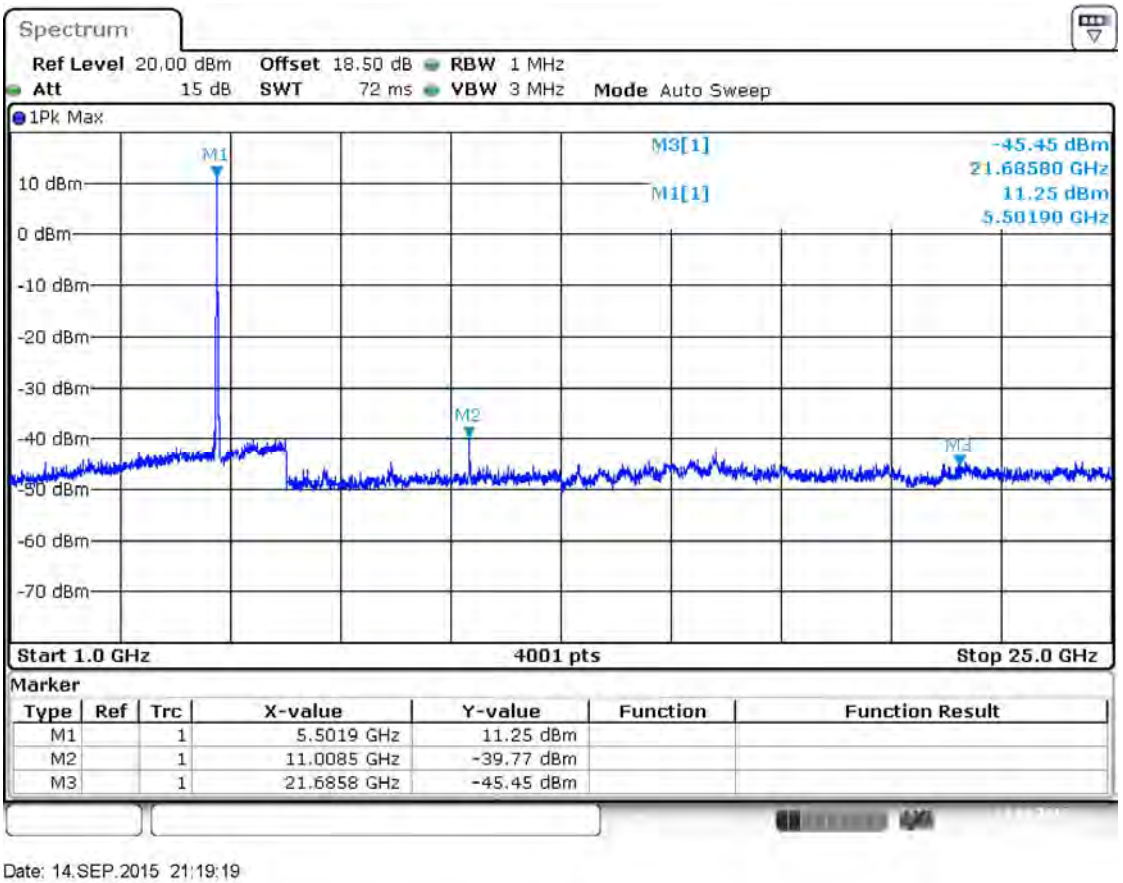
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11a CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11008.5	-39.77	0	3	2	PK	57.49	70.26	12.77	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21685.8	-45.45	0	3	2	PK	51.81	70.26	18.45	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5501.9	11.25	0	3	2	PK	108.51	N/A	N/A	Note 1	N/A
	-13.60		3	2	AV	83.66	N/A	N/A		N/A

Test Plots

Band III 11a CH100, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

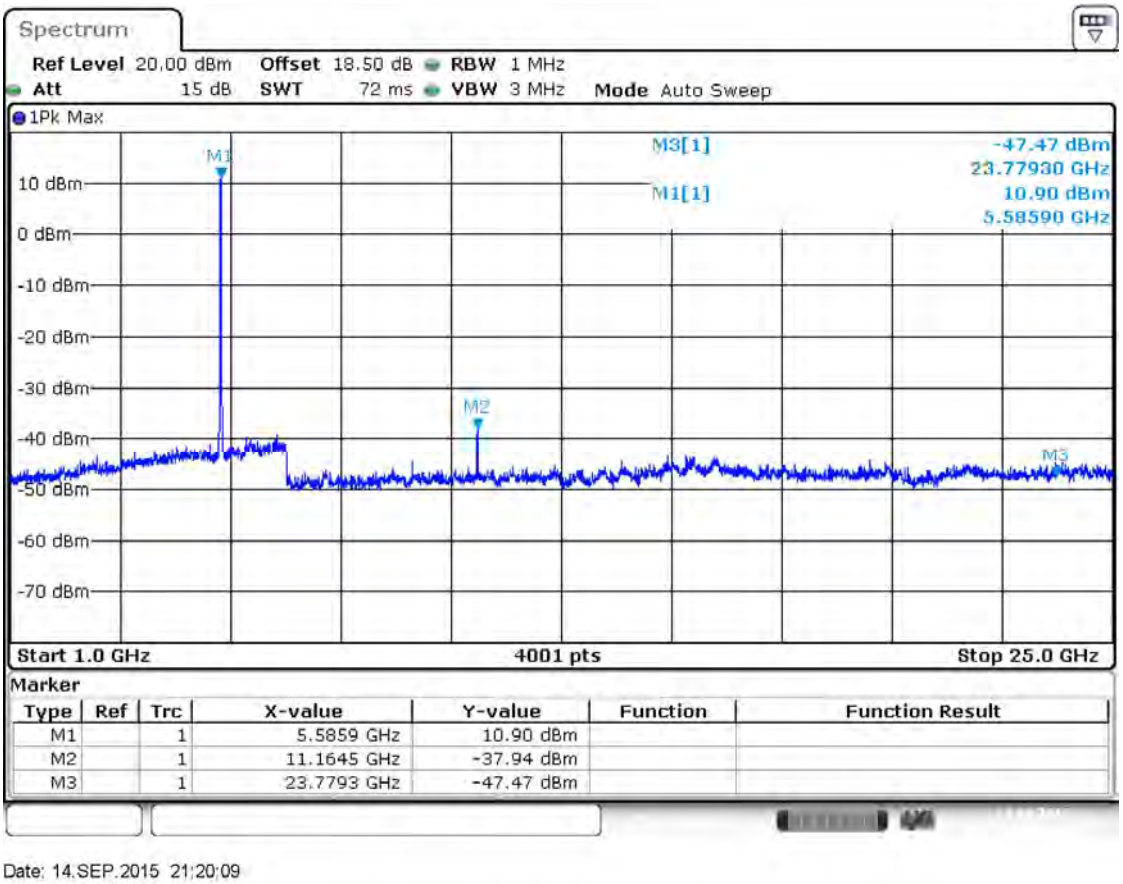
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11a CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11164.5	-37.94	0	3	2	PK	59.32	70.26	10.94	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
23779.3	-47.47	0	3	2	PK	49.79	70.26	20.47	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5585.9	10.9	0	3	2	PK	108.16	N/A	N/A	Note 1	N/A
	-13.95		3	2	AV	83.31	N/A	N/A		N/A

Test Plots

Band III 11a CH116, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

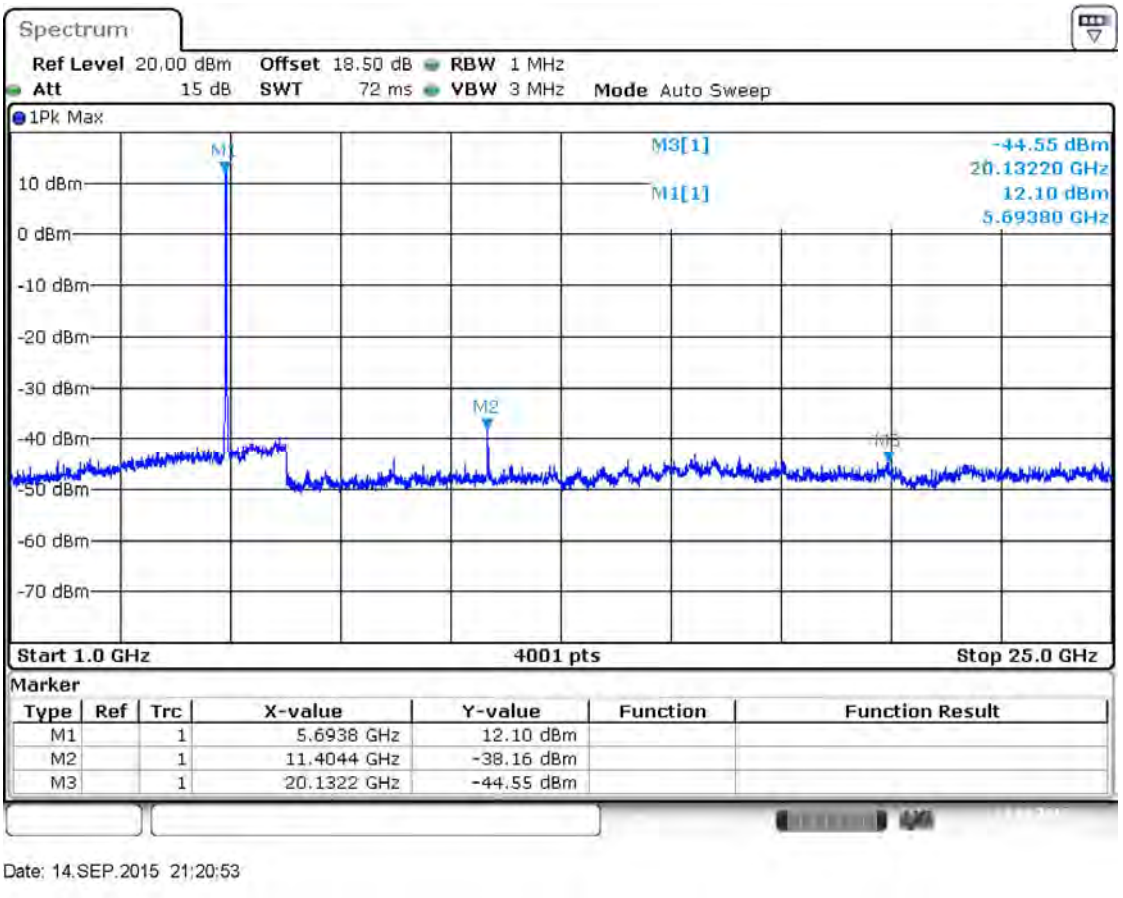
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11a CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11404.4	-38.16	0	3	2	PK	59.10	70.26	11.16	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20132.2	-44.55	0	3	2	PK	52.71	70.26	17.55	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5693.8	12.1	0	3	2	PK	109.36	N/A	N/A	Note 1	N/A
	-12.75		3	2	AV	84.51	N/A	N/A		N/A

Test Plots

Band III 11a CH140, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

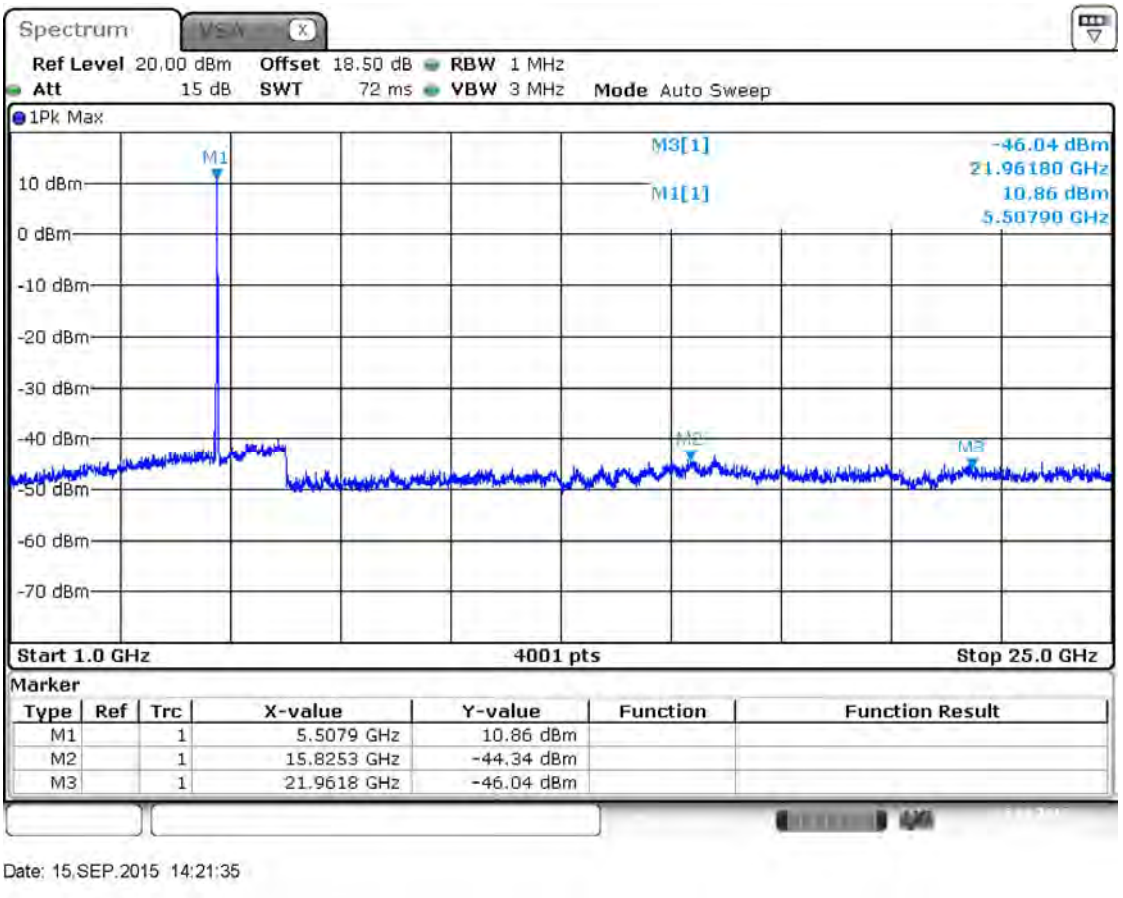
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11n(HT20) CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15825.3	-44.34	0	3	2	PK	52.92	70.26	17.34	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21961.8	-46.04	0	3	2	PK	51.22	70.26	19.04	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5507.9	10.86	0	3	2	PK	108.12	N/A	N/A	Note 1	N/A
	-13.99		3	2	AV	83.27	N/A	N/A		N/A

Test Plots

Band III 11n(HT20) CH100, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

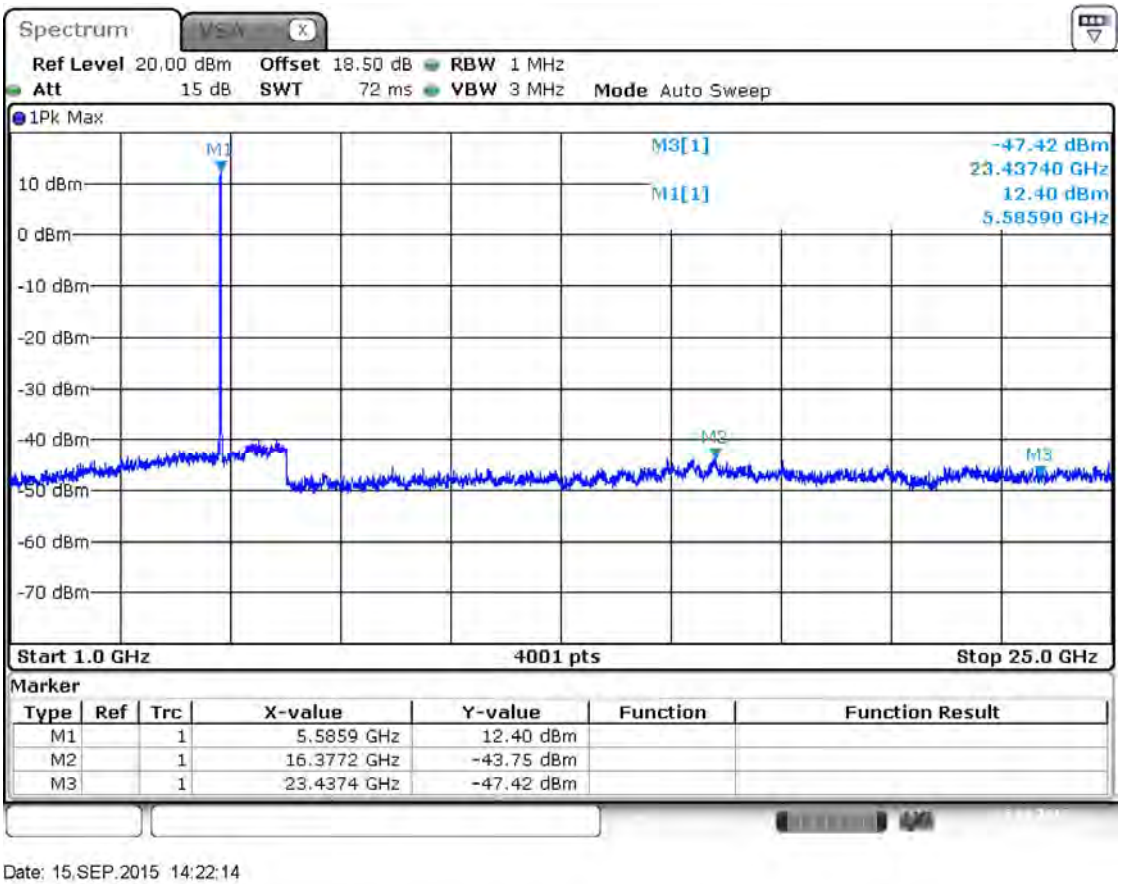
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11n(HT20) CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16377.2	-43.75	0	3	2	PK	53.51	70.26	16.75	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
23437.4	-47.42	0	3	2	PK	49.84	70.26	20.42	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5585.9	12.4	0	3	2	PK	109.66	N/A	N/A	Note 1	N/A
	-12.45		3	2	AV	84.81	N/A	N/A		N/A

Test Plots

Band III 11n(HT20) CH116, SPURIOUS 1 GHz ~ 25 GHz



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The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

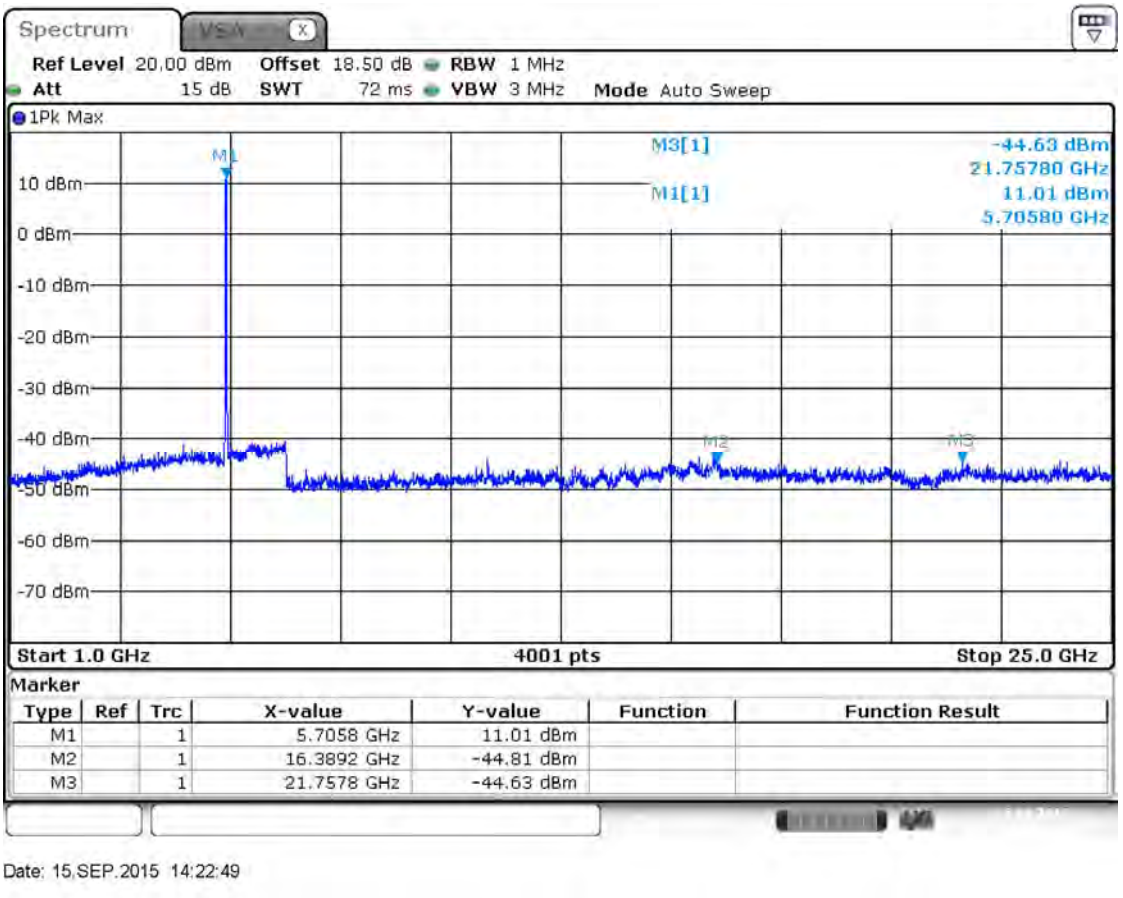
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11n(HT20) CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16389.2	-44.81	0	3	2	PK	52.45	70.26	17.81	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21757.8	-44.63	0	3	2	PK	52.63	70.26	17.63	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5705.8	11.01	0	3	2	PK	108.27	N/A	N/A	Note 1	N/A
	-13.84		3	2	AV	83.42	N/A	N/A		N/A

Test Plots

Band III 11n(HT20) CH140, SPURIOUS 1 GHz ~ 25 GHz



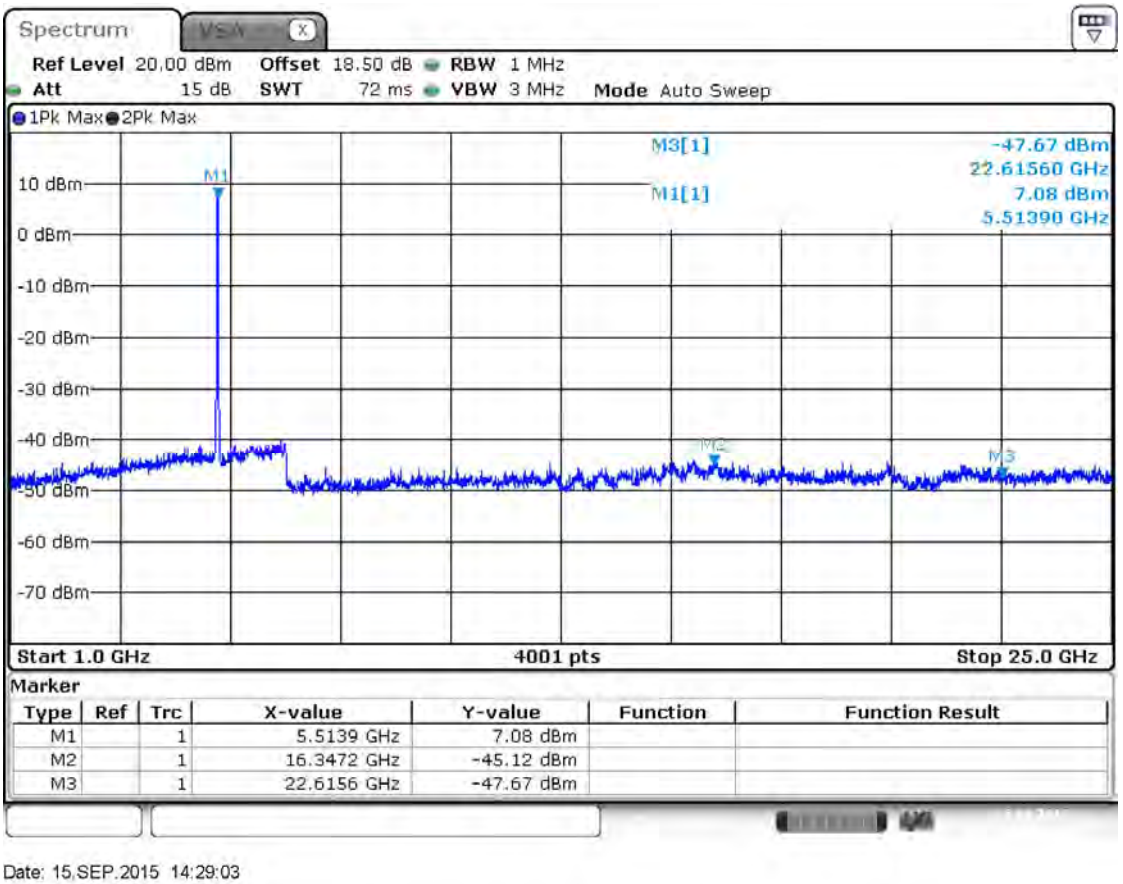
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11n(HT40) CH102

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16347.2	-45.12	0	3	2	PK	52.14	70.26	18.12	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22615.6	-47.67	0	3	2	PK	49.59	70.26	20.67	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5513.9	7.08	0	3	2	PK	104.34	N/A	N/A	Note 1	N/A
	-17.77		3	2	AV	79.49	N/A	N/A		N/A

Test Plots

Band III 11n(HT40) CH102, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

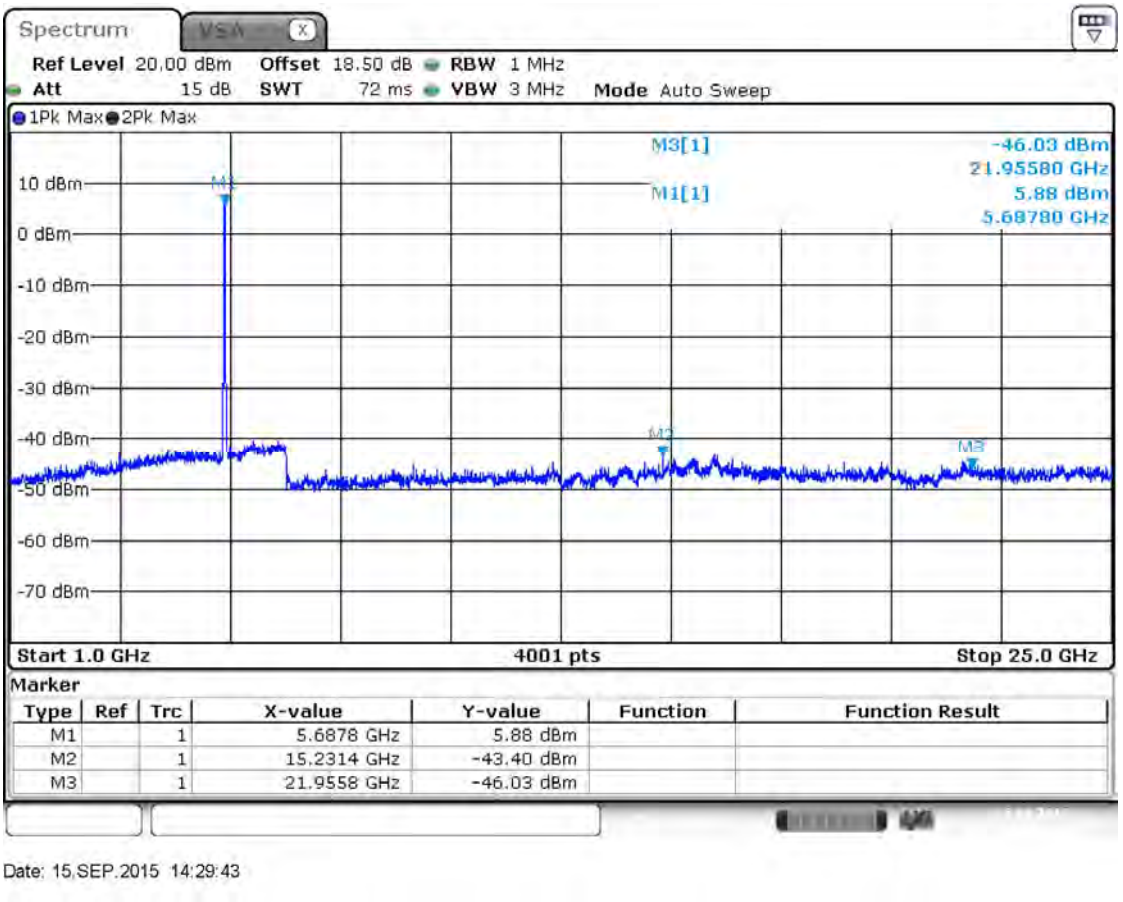
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11n(HT40) CH134

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15231.4	-43.4	0	3	2	PK	53.86	70.26	16.40	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21955.8	-46.03	0	3	2	PK	51.23	70.26	19.03	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5687.8	5.88	0	3	2	PK	103.14	N/A	N/A	Note 1	N/A
	-18.97		3	2	AV	78.29	N/A	N/A		N/A

Test Plots

Band III 11n(HT40) CH134, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

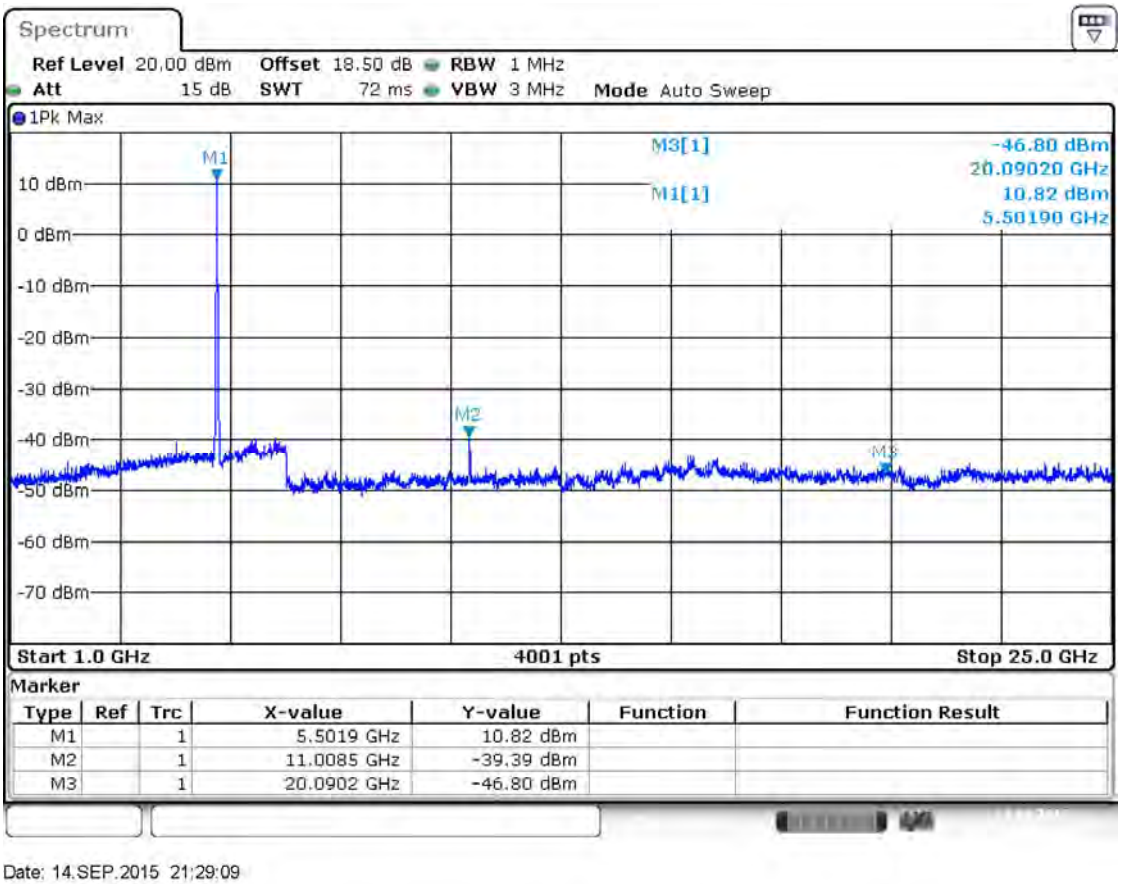
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11ac(HT20) CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11008.5	-39.39	0	3	2	PK	57.87	70.26	12.39	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
20090.2	-46.8	0	3	2	PK	50.46	70.26	19.80	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5501.9	10.82	0	3	2	PK	108.08	N/A	N/A	Note 1	N/A
	-14.03		3	2	AV	83.23	N/A	N/A		N/A

Test Plots

Band III 11ac(HT20) CH100, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

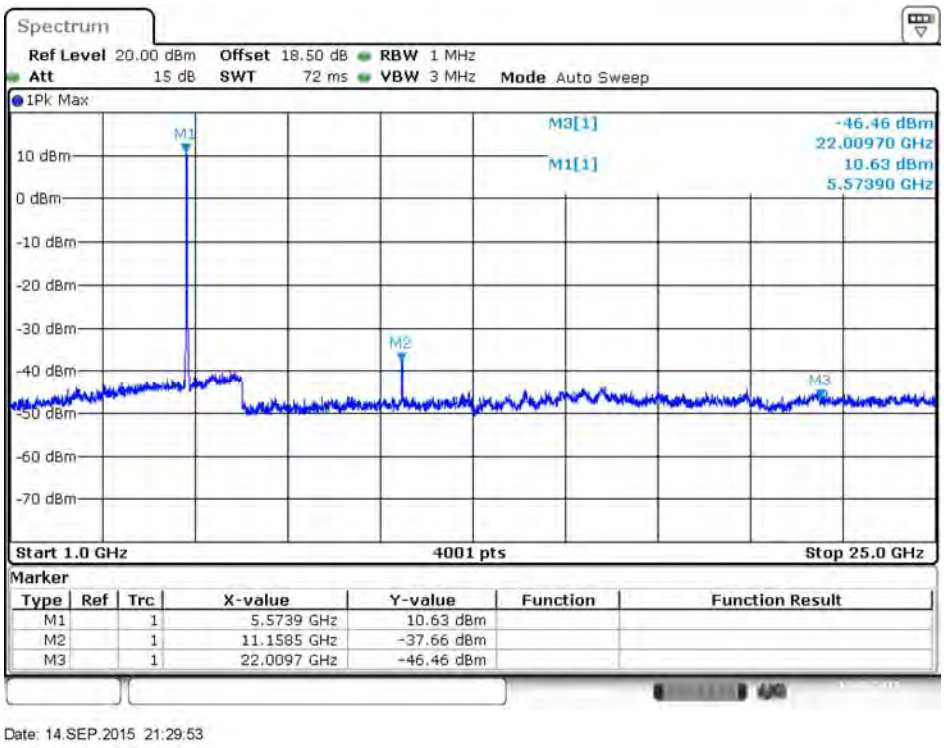
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11ac(HT20) CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11158.5	-37.66	0	3	2	PK	59.60	70.26	10.66	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22009.7	-46.46	0	3	2	PK	50.80	70.26	19.46	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5573.9	10.63	0	3	2	PK	107.89	N/A	N/A	Note 1	N/A
	-14.22		3	2	AV	83.04	N/A	N/A		N/A

Test Plots

Band III 11ac(HT20) CH116, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

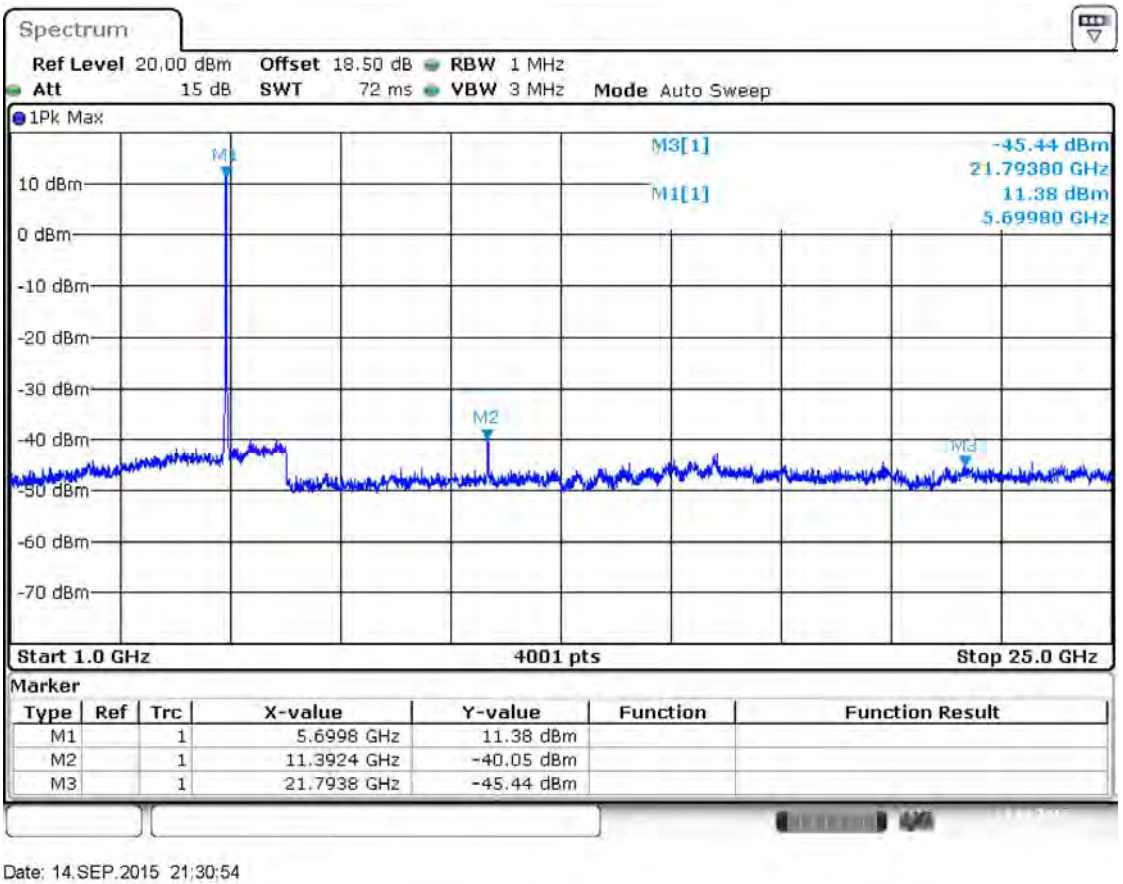
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11ac(HT20) CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11392.4	-40.05	0	3	2	PK	57.21	70.26	13.05	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21793.8	-45.44	0	3	2	PK	51.82	70.26	18.44	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5699.8	11.38	0	3	2	PK	108.64	N/A	N/A	Note 1	N/A
	-13.47		3	2	AV	83.79	N/A	N/A		N/A

Test Plots

Band III 11ac(HT20) CH140, SPURIOUS 1 GHz ~ 25 GHz



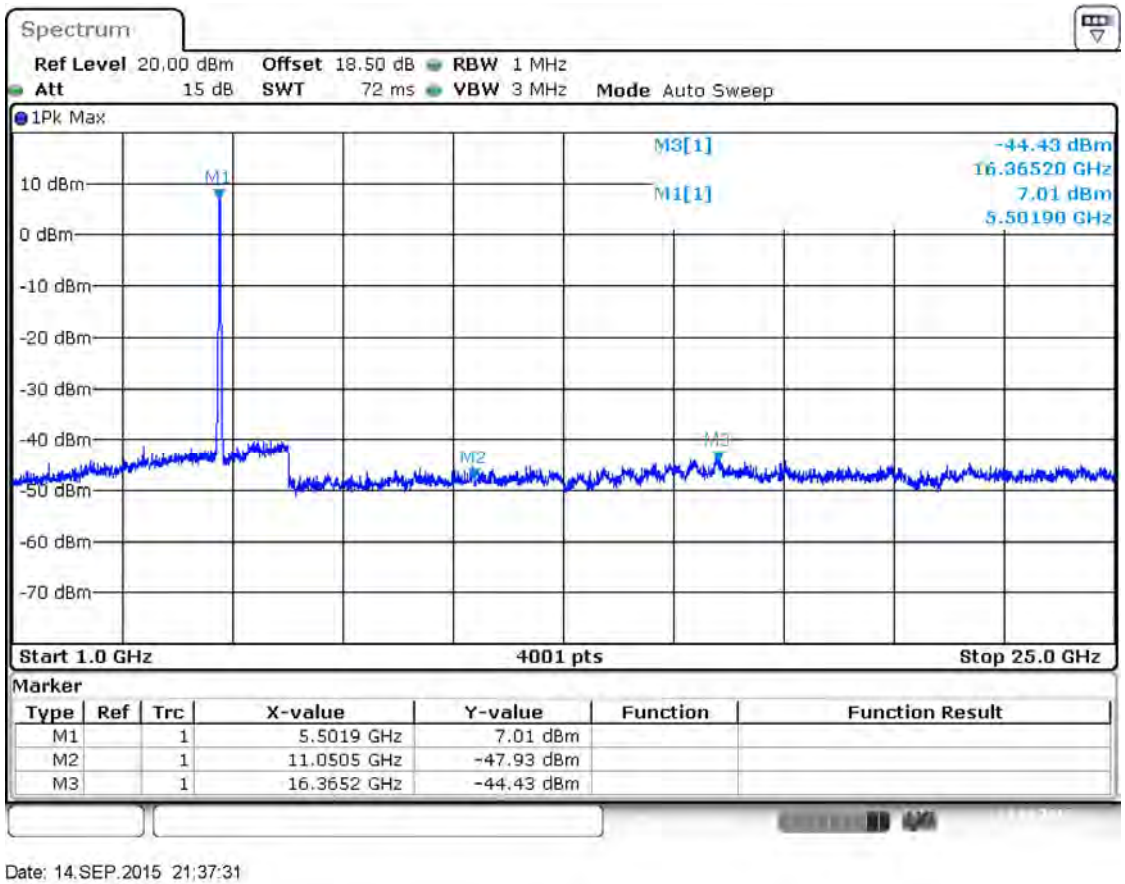
The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.
And the maximum in-band gain of the antenna is 1.1 dBi.
Note 1: The frequency is fundamental signal which can be ignored.
Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.
Note 3: Average measurement was not performed if peak level went lower than the average limit.
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11ac(HT40) CH102

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11050.5	-47.93	0	3	2	PK	49.33	70.26	20.93	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
16365.2	-44.43	0	3	2	PK	52.83	70.26	17.43	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5501.9	7.01	0	3	2	PK	104.27	N/A	N/A	Note 1	N/A
	-17.84		3	2	AV	79.42	N/A	N/A		N/A

Test Plots

Band III 11ac(HT40) CH102, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The limit line is -27 dBm (68.2 dBuV/m@3m).

Note 2: Average measurement was not performed if peak level went lower than the average limit.

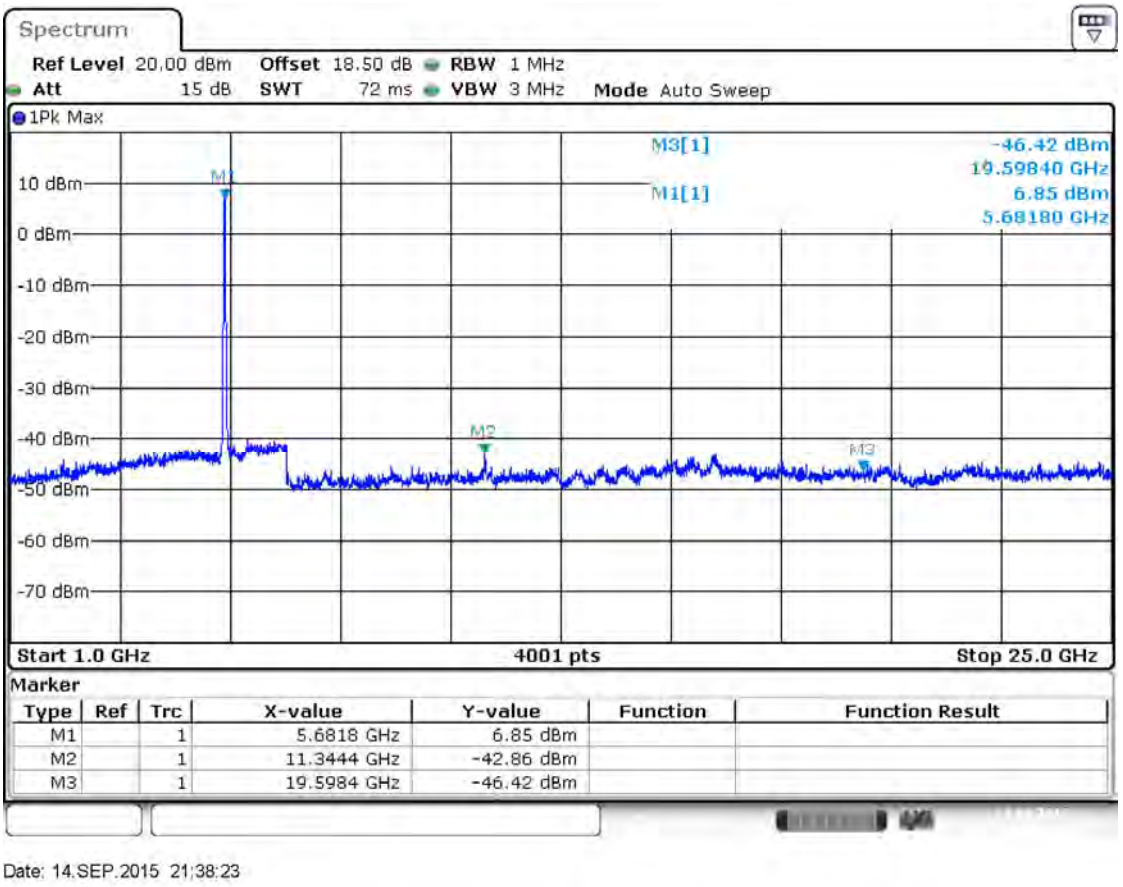
Note 3: The harmonic (2th, 3th, 4th, etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11ac(HT40) CH134

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11344.4	-42.86	0	3	2	PK	54.40	70.26	15.86	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19598.4	-46.42	0	3	2	PK	50.84	70.26	19.42	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5681.8	6.85	0	3	2	PK	104.11	N/A	N/A	Note 1	N/A
	-18.00		3	2	AV	79.26	N/A	N/A		N/A

Test Plots

Band III 11ac(HT40) CH134, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

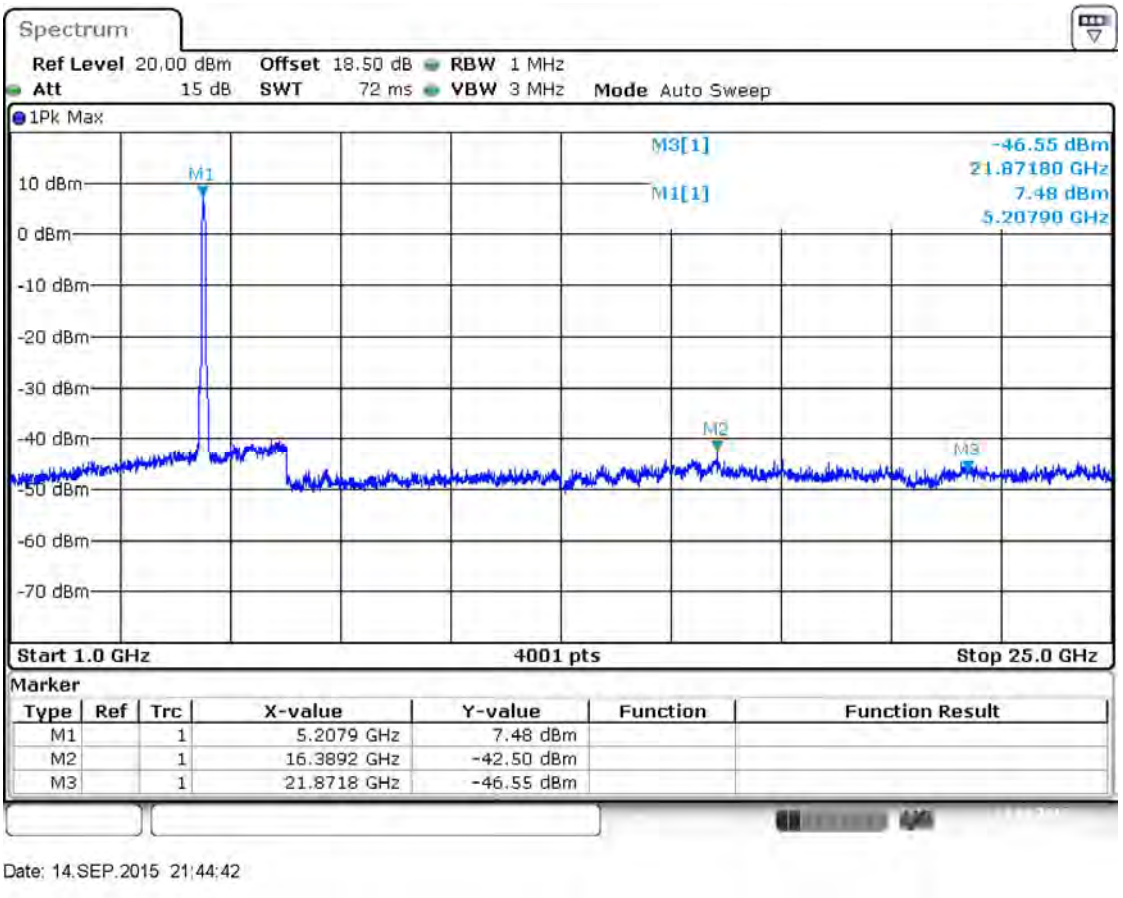
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band III 11ac(HT80) CH106

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16389.2	-42.5	0	3	2	PK	54.76	70.26	15.50	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21871.8	-46.55	0	3	2	PK	50.71	70.26	19.55	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5207.9	7.48	0	3	2	PK	104.74	N/A	N/A	Note 1	N/A
	-17.37		3	2	AV	79.89	N/A	N/A		N/A

Test Plots

Band III 11ac(HT80) CH106, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

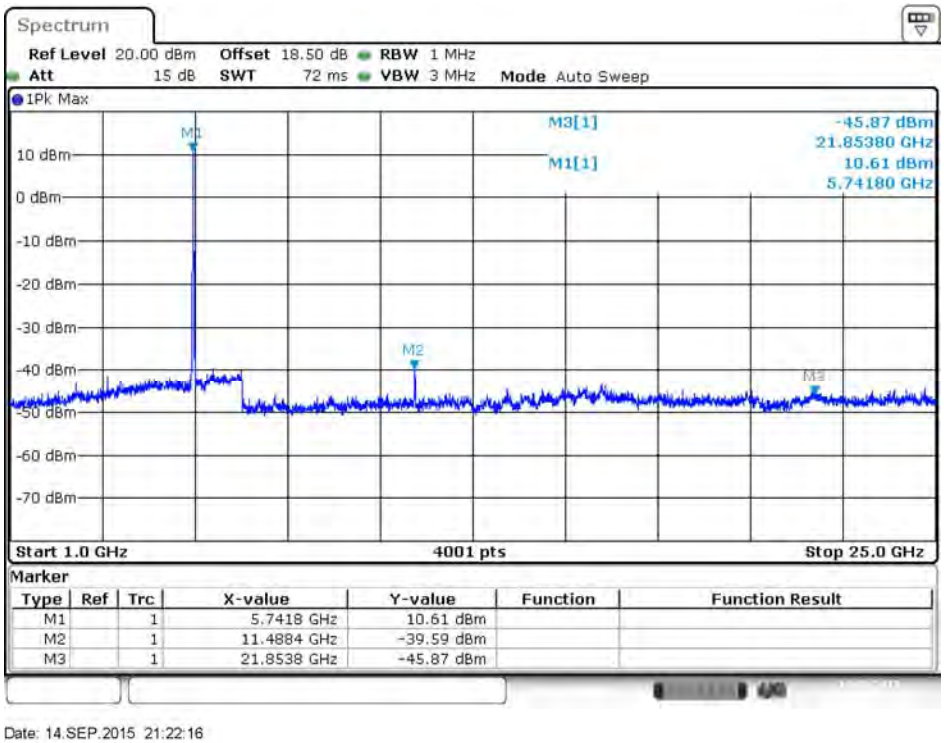
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11a CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11488.4	-39.59	0	3	2	PK	57.67	70.26	12.59	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21853.8	-45.87	0	3	2	PK	51.39	70.26	18.87	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5741.8	10.61	0	3	2	PK	107.87	N/A	N/A	Note 1	N/A
	-14.24		3	2	AV	83.02	N/A	N/A		N/A

Test Plots

Band IV 11a CH149, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

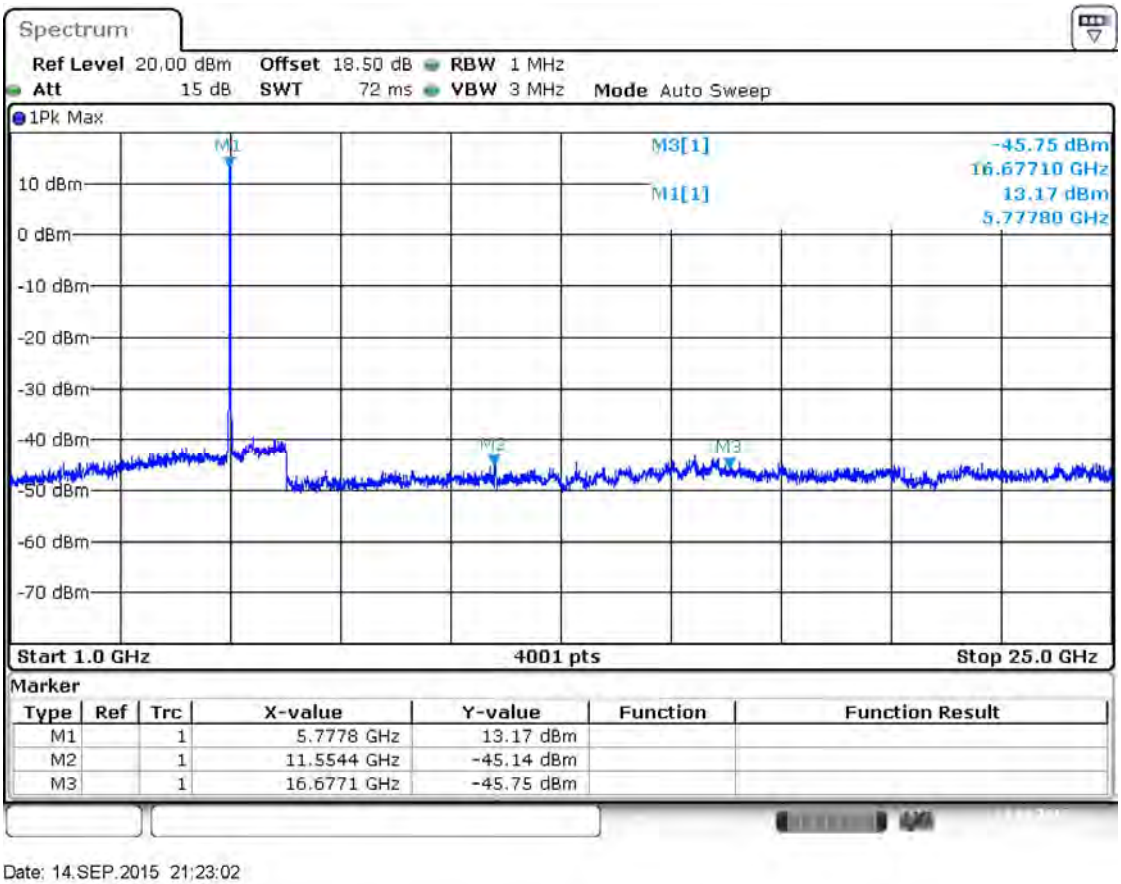
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11a CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11554.4	-45.14	0	3	2	PK	52.12	70.26	18.14	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
16677.1	-45.75	0	3	2	PK	51.51	70.26	18.75	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5777.8	13.17	0	3	2	PK	110.43	N/A	N/A	Note 1	N/A
	-11.68		3	2	AV	85.58	N/A	N/A		N/A

Test Plots

Band IV 11a CH157, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

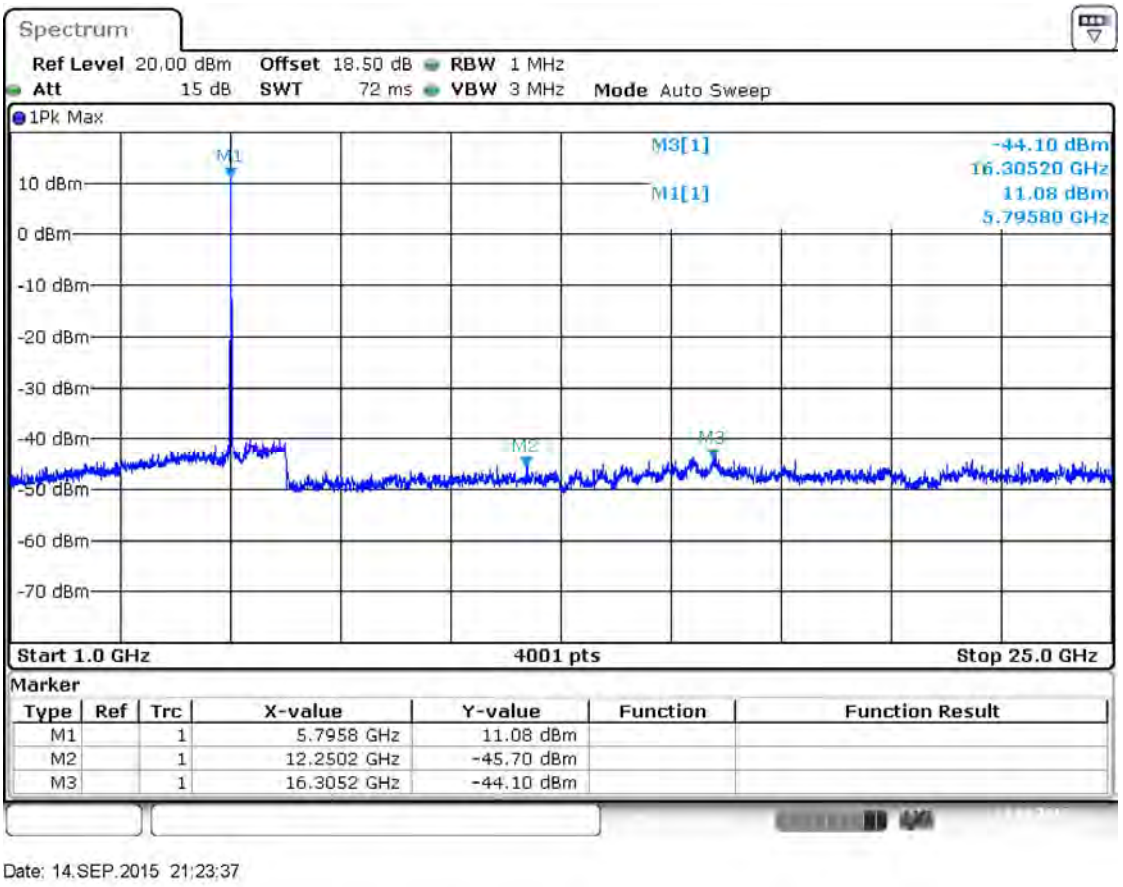
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11a CH161

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12250.2	-45.7	0	3	2	PK	51.56	70.26	18.70	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
16305.2	-44.1	0	3	2	PK	53.16	70.26	17.10	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5795.8	11.08	0	3	2	PK	108.34	N/A	N/A	Note 1	N/A
	-13.77		3	2	AV	83.49	N/A	N/A		N/A

Test Plots

Band IV 11a CH161, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

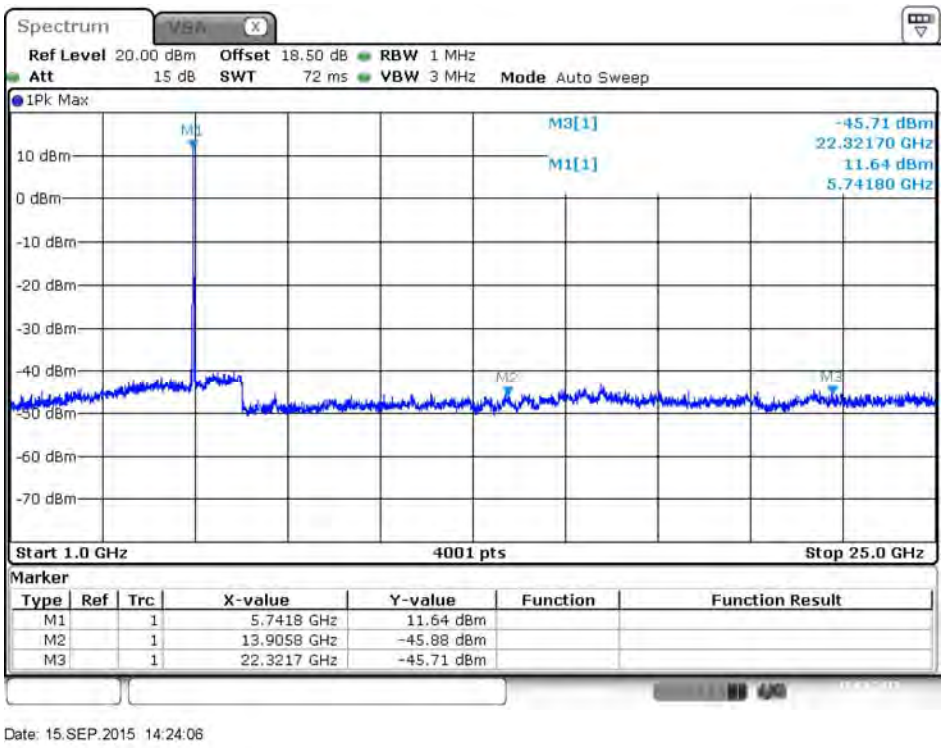
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11n(HT20) CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
13905.8	-45.88	0	3	2	PK	51.38	70.26	18.88	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22321.7	-45.71	0	3	2	PK	51.55	70.26	18.71	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5741.8	11.64	0	3	2	PK	108.90	N/A	N/A	Note 1	N/A
	-13.21		3	2	AV	84.05	N/A	N/A		N/A

Test Plots

Band IV 11n(HT20) CH149, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

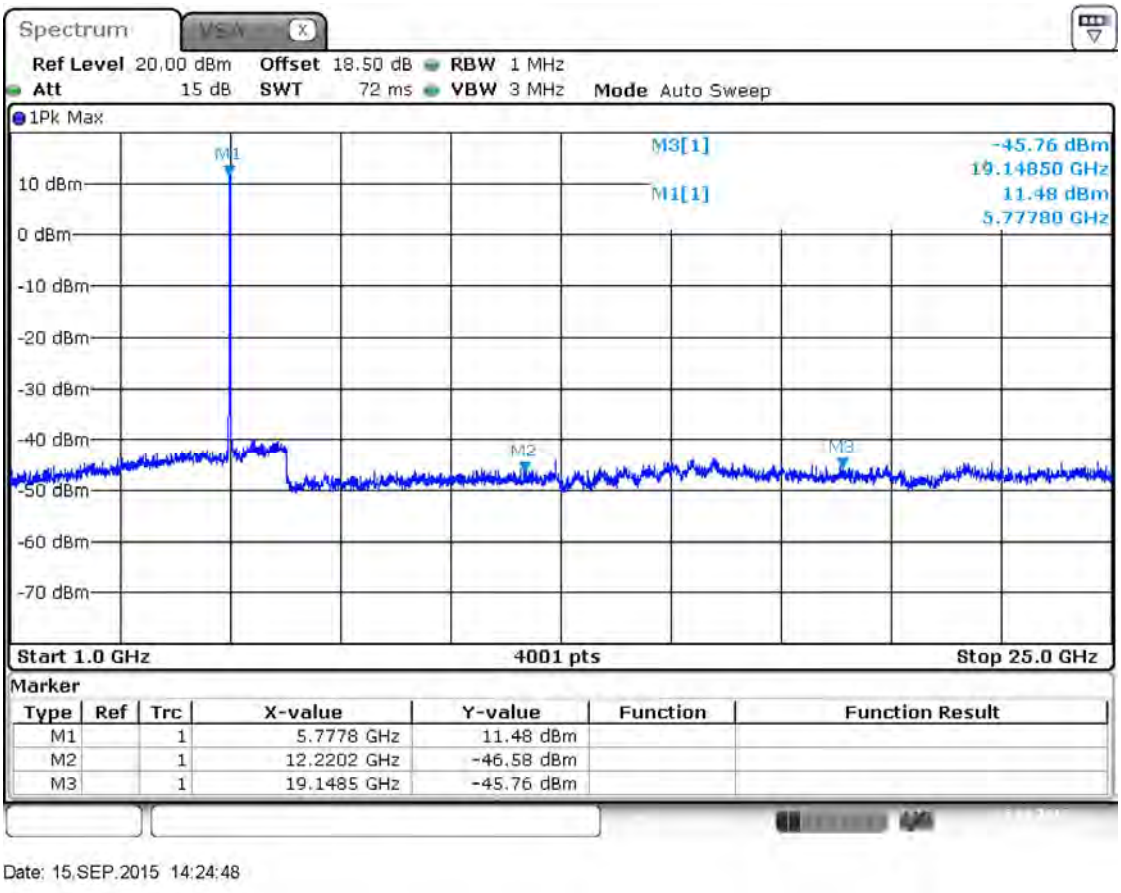
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11n(HT20) CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
12220.2	-46.58	0	3	2	PK	50.68	70.26	19.58	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19148.5	-45.76	0	3	2	PK	51.50	70.26	18.76	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5777.8	11.48	0	3	2	PK	108.74	N/A	N/A	Note 1	N/A
	-13.37		3	2	AV	83.89	N/A	N/A		N/A

Test Plots

Band IV 11n(HT20) CH157, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

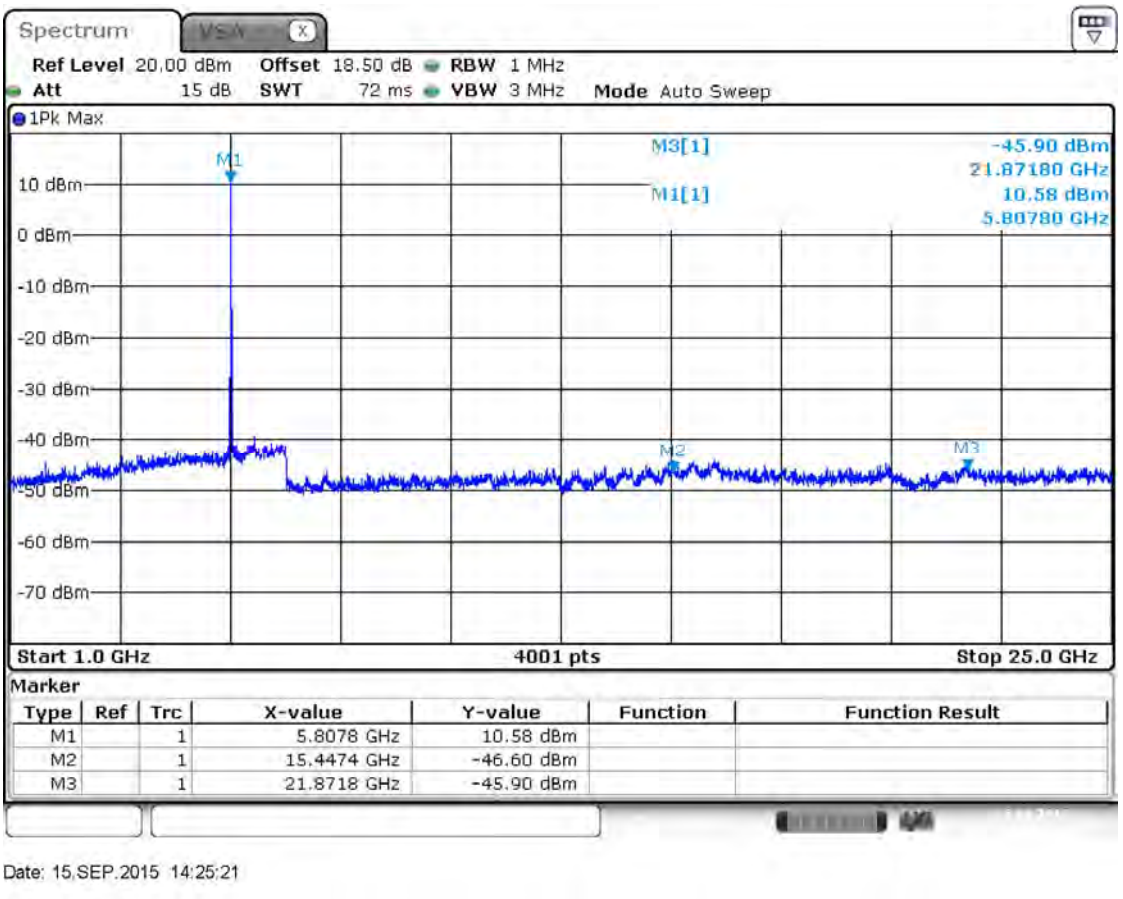
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11n(HT20) CH161

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15447.4	-46.6	0	3	2	PK	50.66	70.26	19.60	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21871.8	-45.9	0	3	2	PK	51.36	70.26	18.90	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5807.8	10.58	0	3	2	PK	107.84	N/A	N/A	Note 1	N/A
	-14.27		3	2	AV	82.99	N/A	N/A		N/A

Test Plots

Band IV 11n(HT20) CH161, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

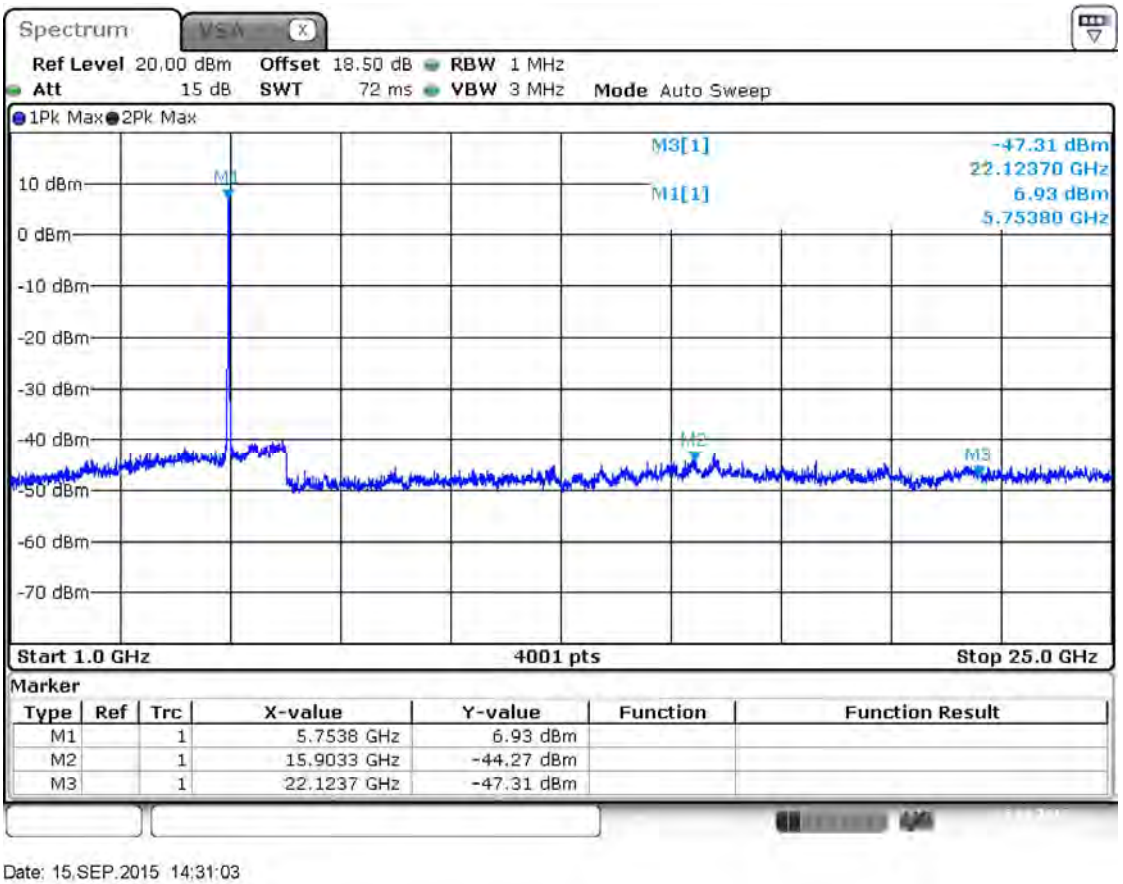
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11n(HT40) CH151

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15903.3	-44.27	0	3	2	PK	52.99	70.26	17.27	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
22123.7	-47.31	0	3	2	PK	49.95	70.26	20.31	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5753.8	6.93	0	3	2	PK	104.19	N/A	N/A	Note 1	N/A
	-17.92		3	2	AV	79.34	N/A	N/A		N/A

Test Plots

Band IV 11n(HT40) CH151, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

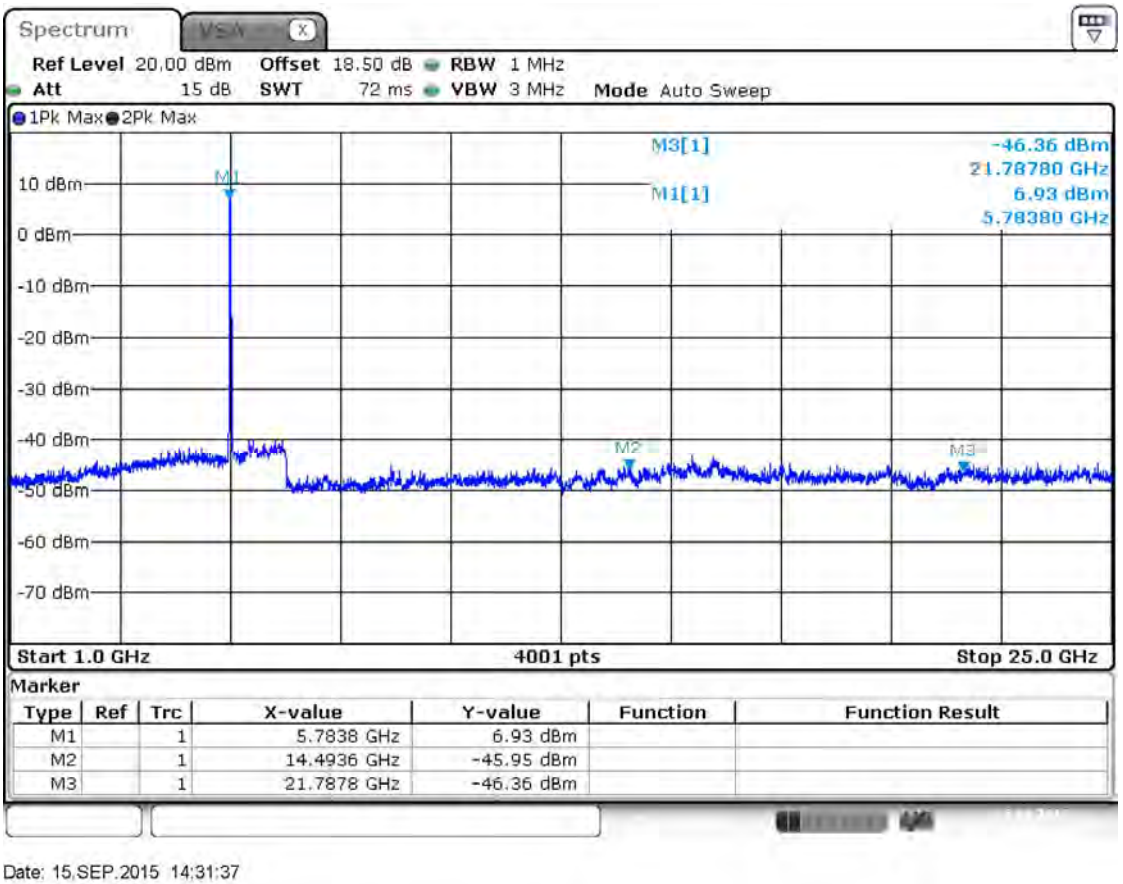
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11n(HT40) CH159

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15493.6	-45.95	0	3	2	PK	51.31	70.26	18.95	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21787.8	-46.36	0	3	2	PK	50.90	70.26	19.36	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5783.8	6.93	0	3	2	PK	104.19	N/A	N/A	Note 1	N/A
	-17.92		3	2	AV	79.34	N/A	N/A		N/A

Test Plots

Band IV 11n(HT40) CH159, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

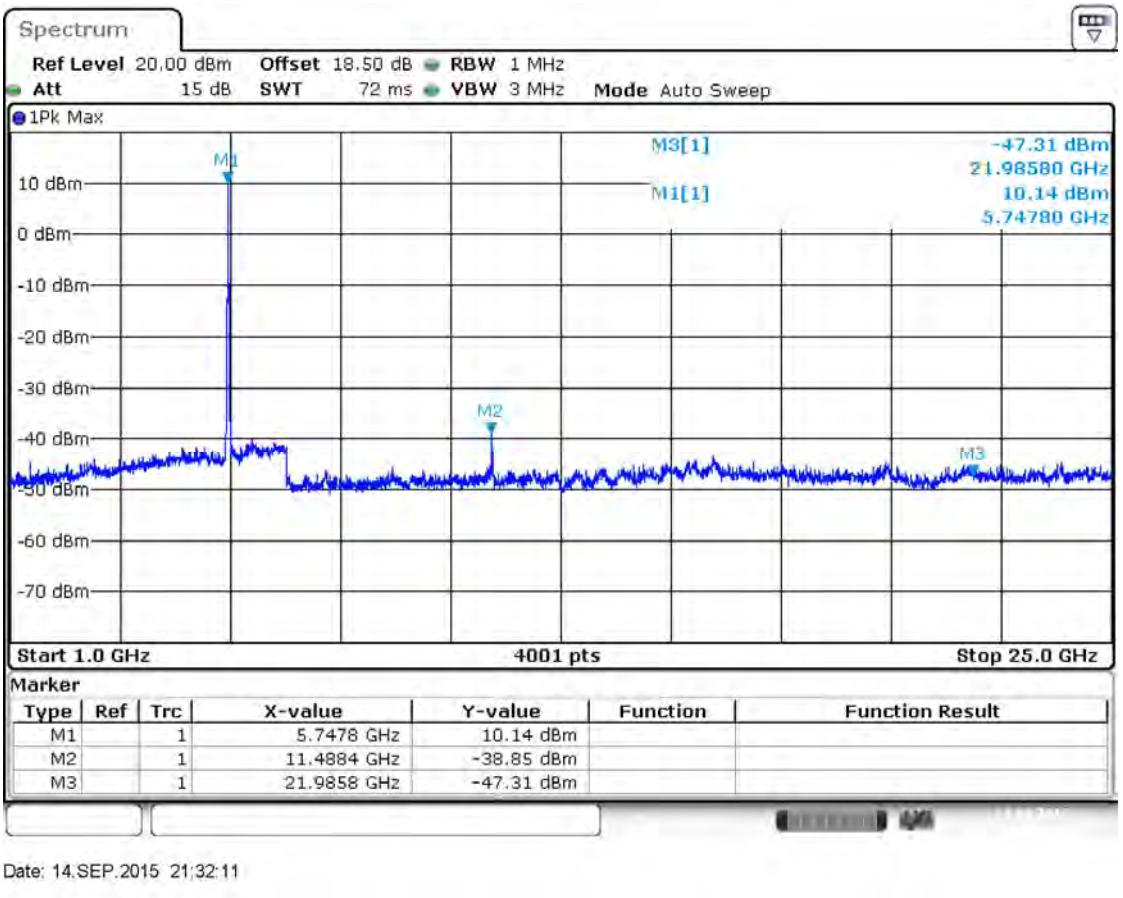
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT20) CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11488.4	-38.85	0	3	2	PK	58.41	70.26	11.85	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21985.8	-47.31	0	3	2	PK	49.95	70.26	20.31	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5747.8	10.14	0	3	2	PK	107.40	N/A	N/A	Note 1	N/A
	-14.71		3	2	AV	82.55	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT20) CH149, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

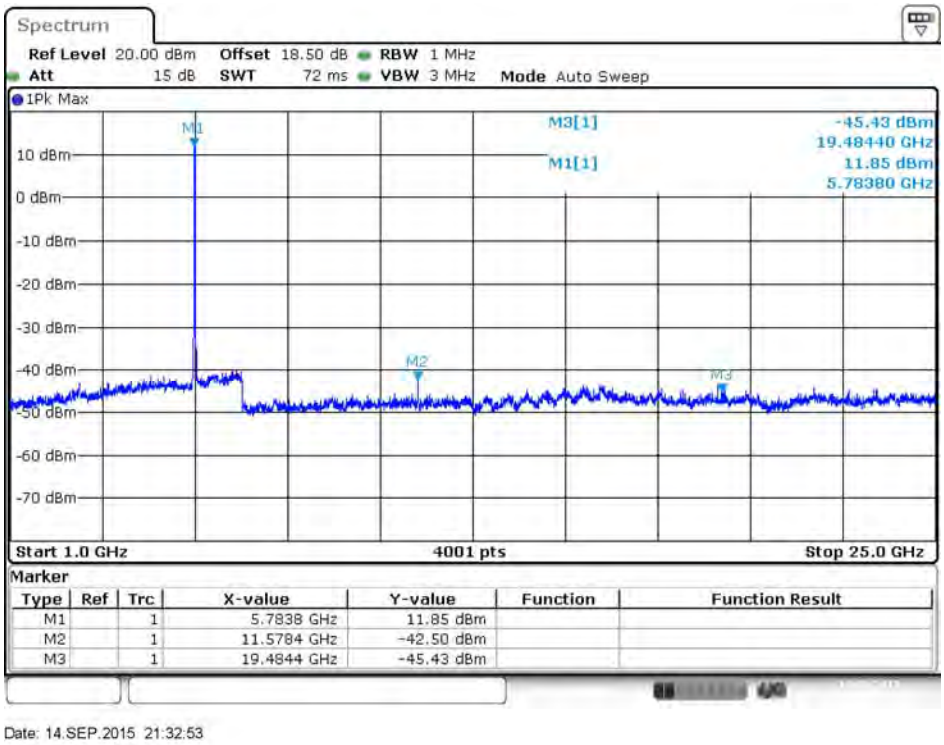
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT20) CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11578.4	-42.5	0	3	2	PK	54.76	70.26	15.50	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19484.4	-45.43	0	3	2	PK	51.83	70.26	18.43	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5783.8	11.85	0	3	2	PK	109.11	N/A	N/A	Note 1	N/A
	-13.00		3	2	AV	84.26	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT20) CH157, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

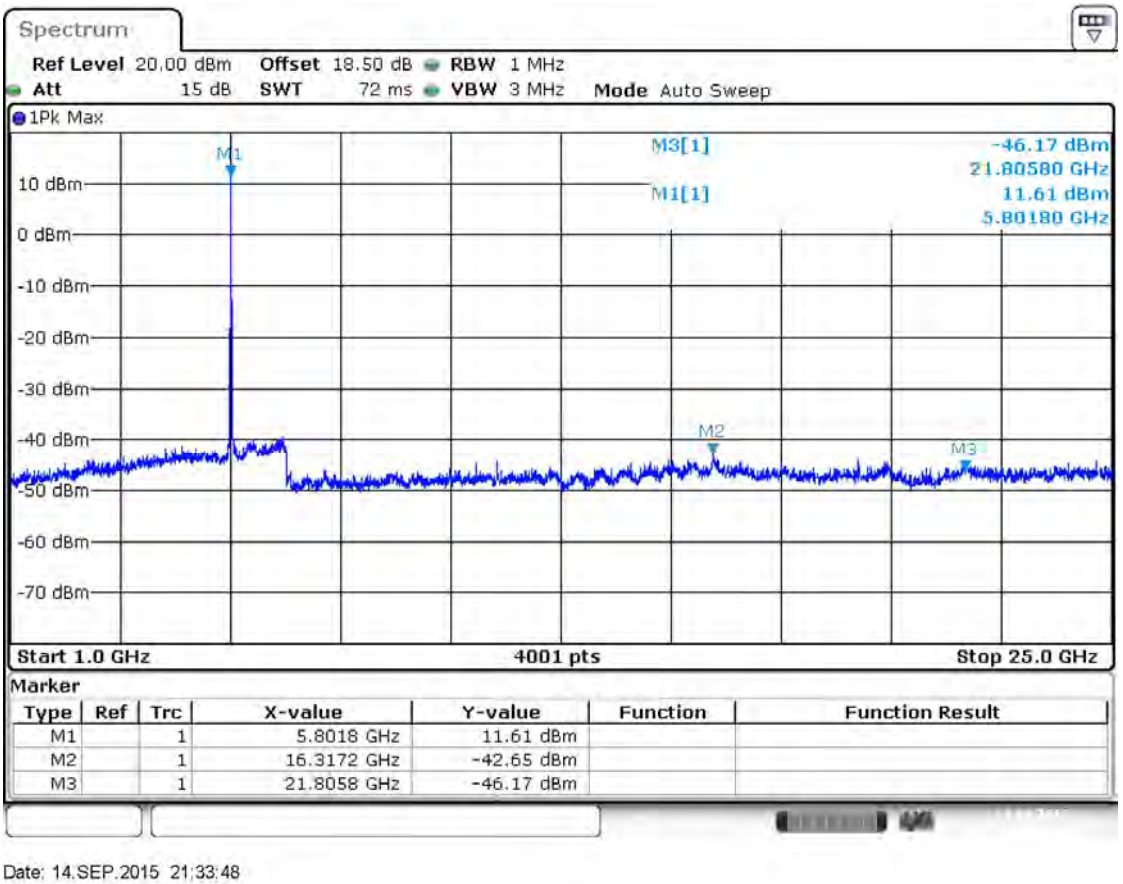
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT20) CH161

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16317.2	-42.65	0	3	2	PK	54.61	70.26	15.65	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21805.8	-46.17	0	3	2	PK	51.09	70.26	19.17	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5801.8	11.61	0	3	2	PK	108.87	N/A	N/A	Note 1	N/A
	-13.24		3	2	AV	84.02	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT20) CH161, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

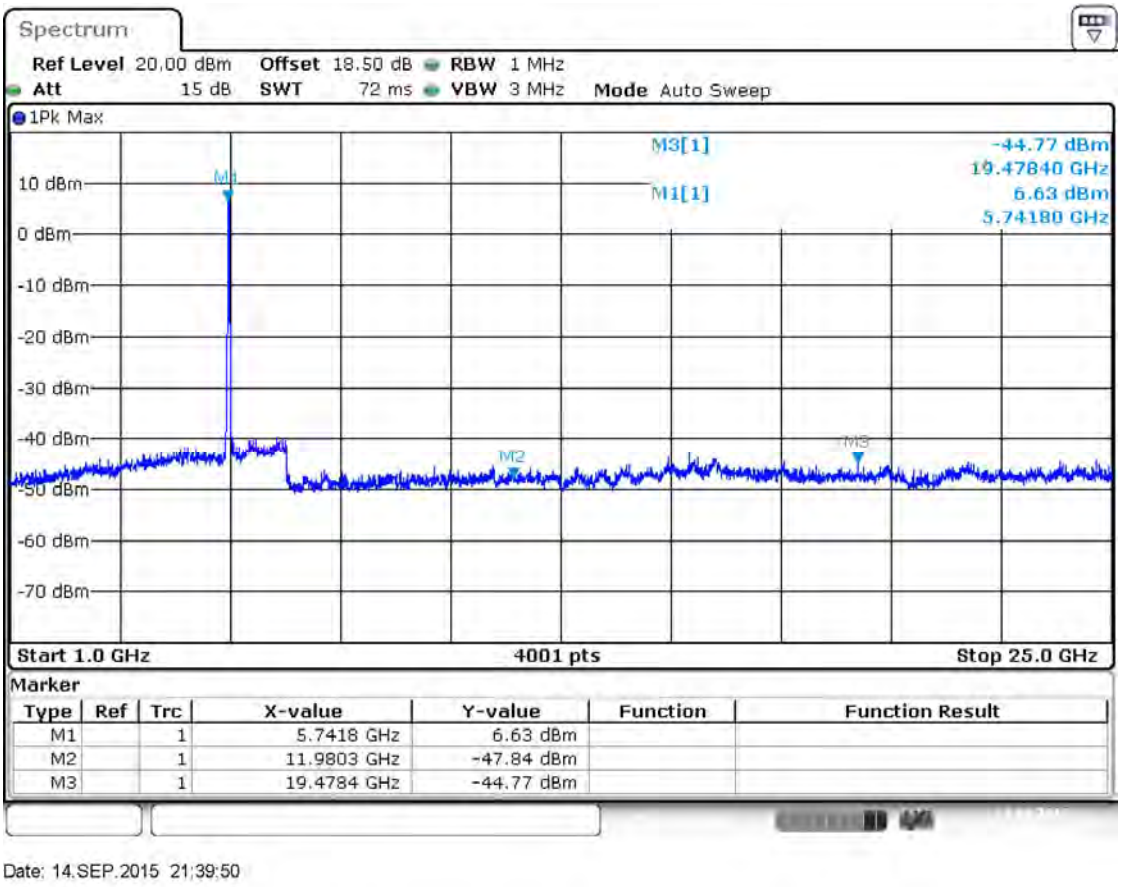
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT40) CH151

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
11980.3	-47.84	0	3	2	PK	49.42	70.26	20.84	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
19478.4	-44.77	0	3	2	PK	52.49	70.26	17.77	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5741.8	6.63	0	3	2	PK	103.89	N/A	N/A	Note 1	N/A
	-18.22		3	2	AV	79.04	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT40) CH151, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

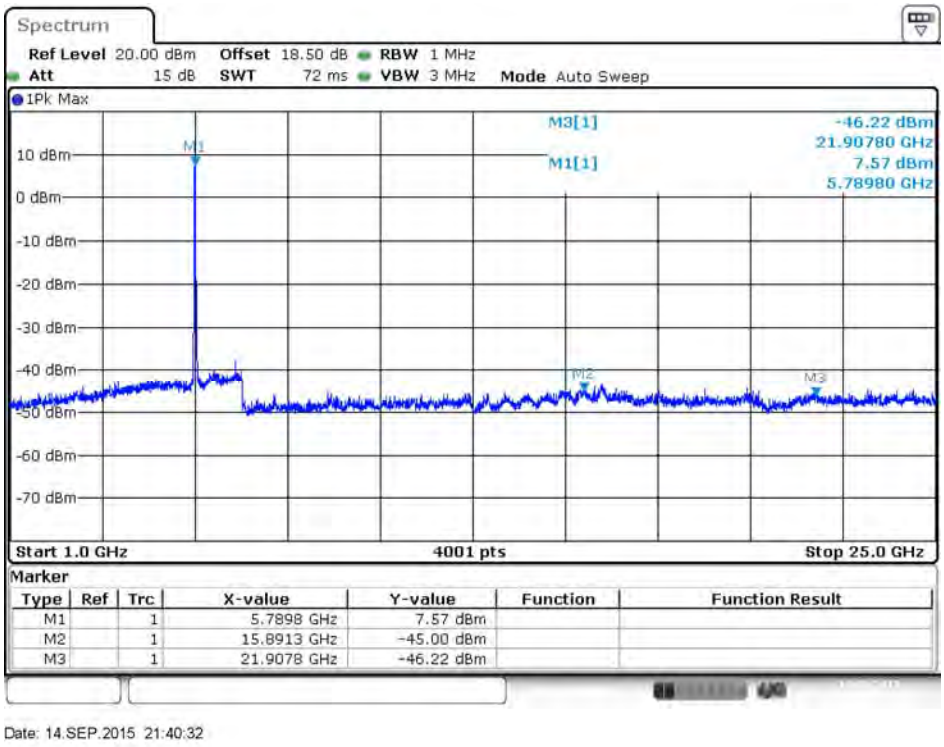
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT40) CH159

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
15891.3	-45	0	3	2	PK	52.26	70.26	18.00	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21907.8	-46.22	0	3	2	PK	51.04	70.26	19.22	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5789.8	7.75	0	3	2	PK	105.01	N/A	N/A	Note 1	N/A
	-17.10		3	2	AV	80.16	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT40) CH159, SPURIOUS 1 GHz ~ 25 GHz



The EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 1.1 dBi.

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is 20dB below the highest emission level.

Note 3: Average measurement was not performed if peak level went lower than the average limit.

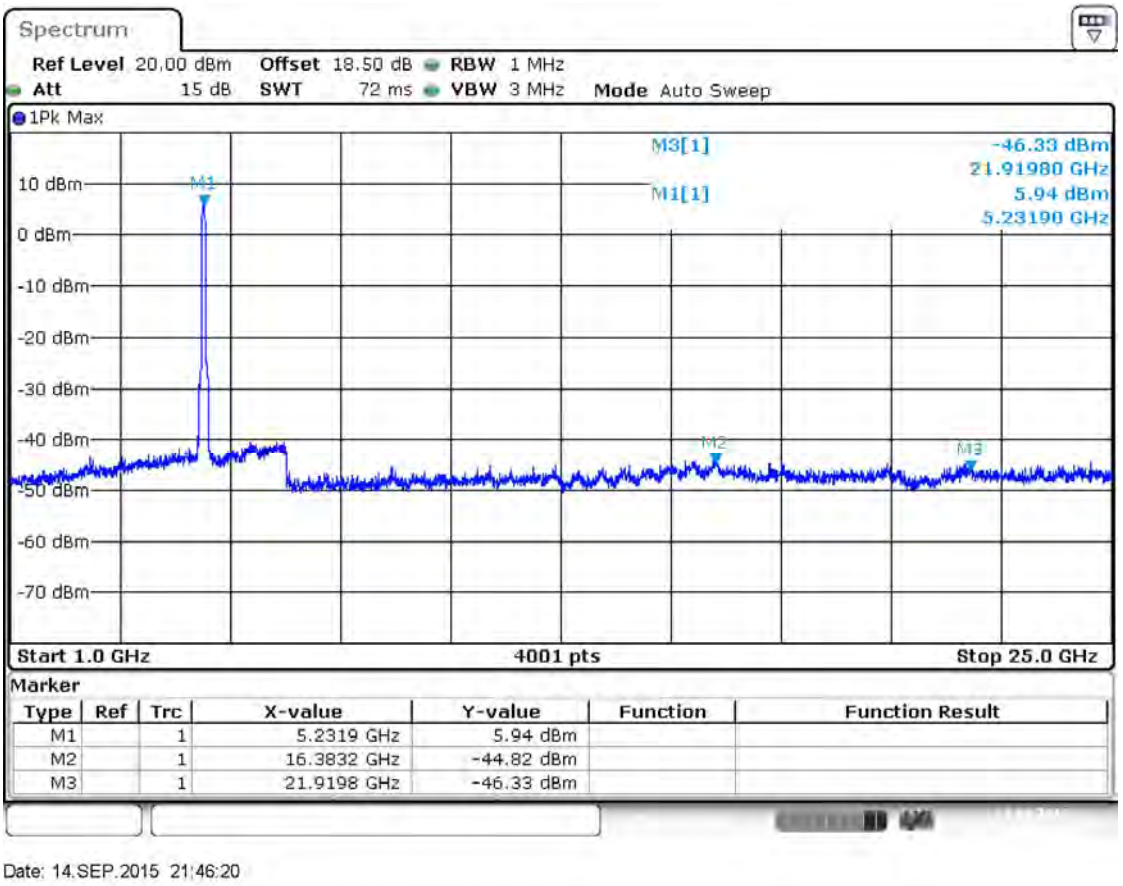
Note 4: The harmonic (2th ,3th , 4th,…etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band IV 11ac(HT80) CH155

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
16383.2	-44.82	0	3	2	PK	52.44	70.26	17.82	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
21919.8	-46.33	0	3	2	PK	50.93	70.26	19.33	--	Pass
	N/A		3	2	AV	N/A	54.00	N/A	Note 3	Pass
5231.9	5.94	0	3	2	PK	103.20	N/A	N/A	Note 1	N/A
	-18.91		3	2	AV	78.35	N/A	N/A		N/A

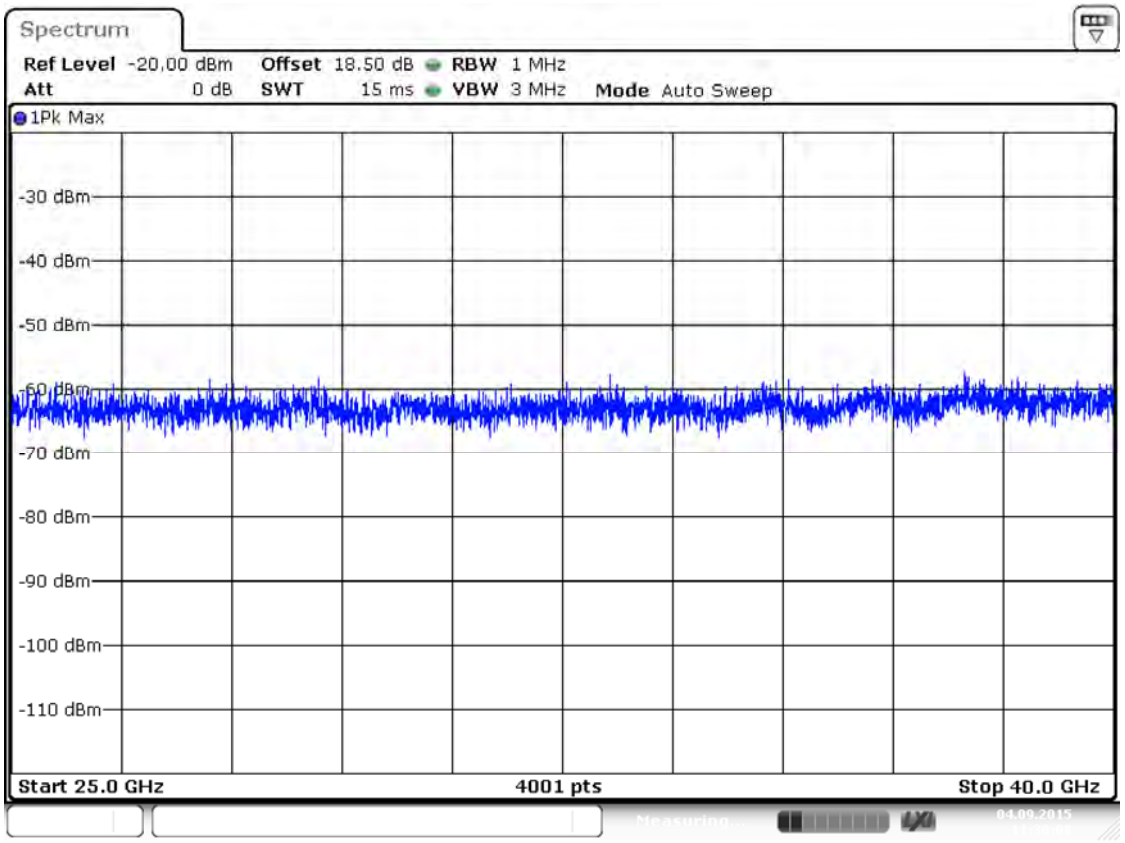
Test Plots

Band IV 11ac(HT80) CH155, SPURIOUS 1 GHz ~ 25 GHz



Test Frequency: 20 GHz ~ 40 GHz

Note: Only the worst data was reported.



Date: 4.SEP.2015 11:30:09

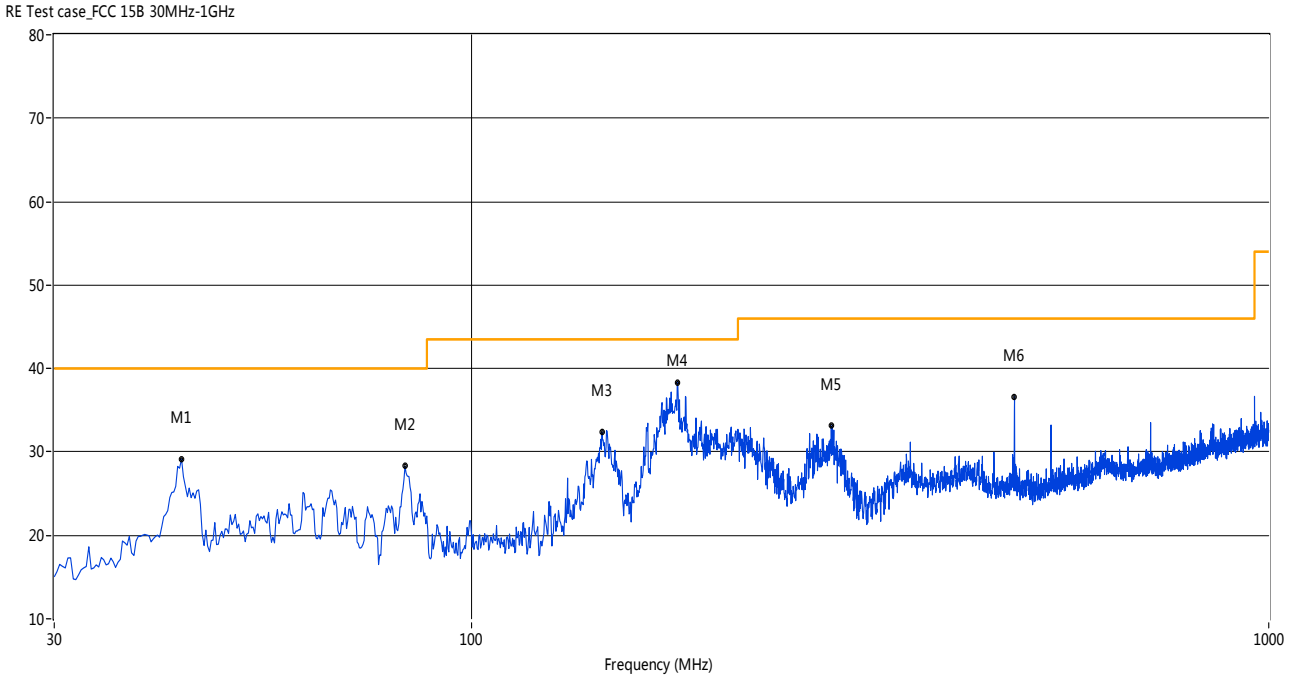
Cabinet Radiated spurious emission test

Note 1: The symbol of “--” in the table which means not application.

Note 2: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

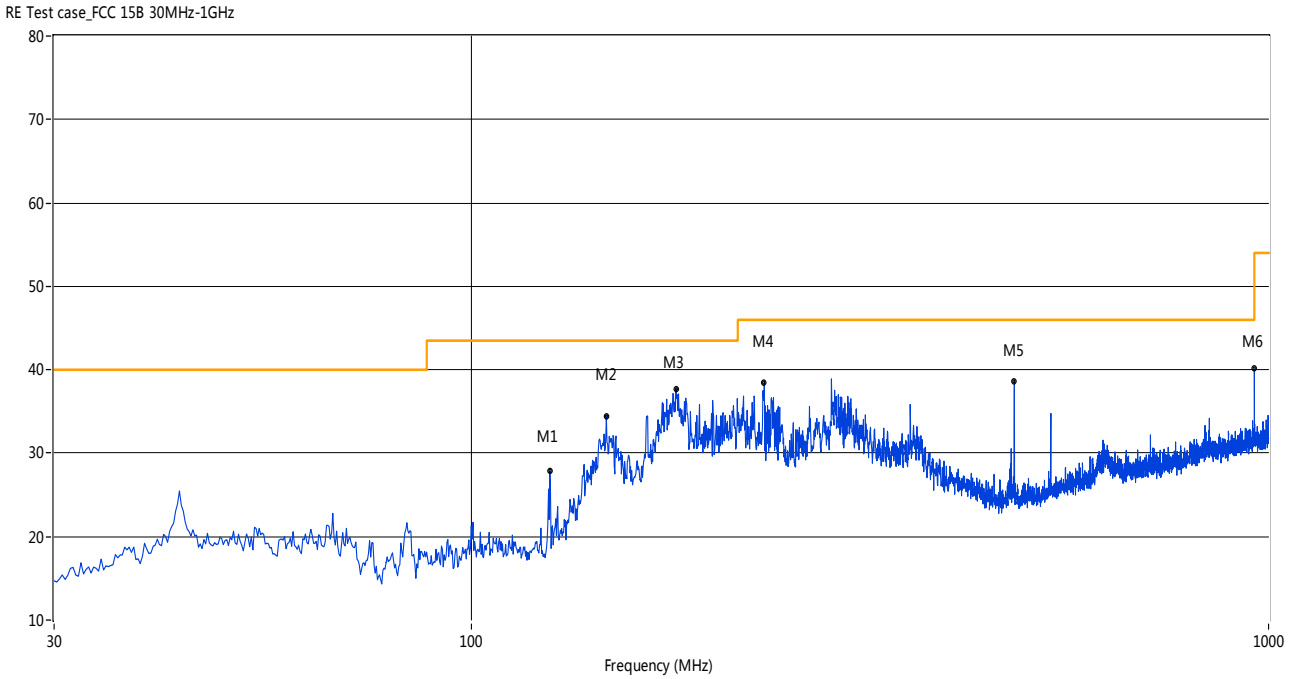
Note 3: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

30 MHz to 1 GHz, ANT V



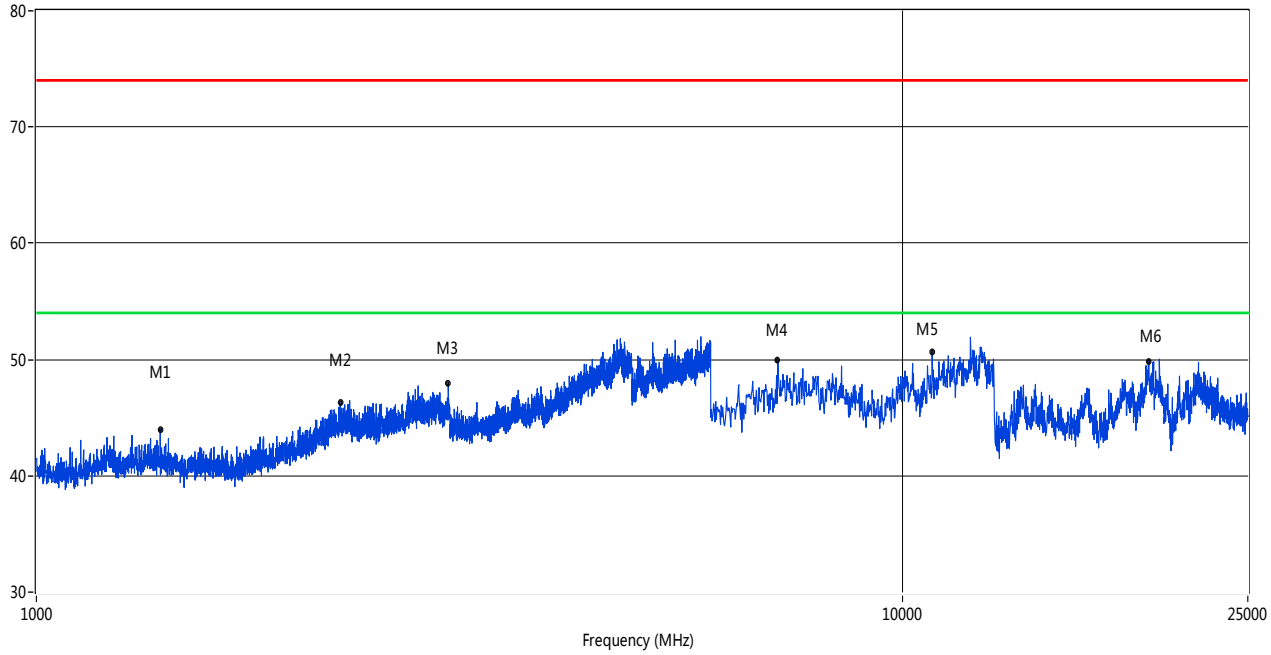
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	43.33	29.16	-18.89	40.0	10.84	Peak	52.00	100	Vertical	Pass
2	82.61	28.29	-24.03	40.0	11.71	Peak	91.20	100	Vertical	Pass
3	145.89	32.40	-23.52	43.5	11.10	Peak	175.30	100	Vertical	Pass
4	181.28	38.36	-22.02	43.5	5.14	Peak	2.50	100	Vertical	Pass
5	282.86	33.14	-18.29	46.0	12.86	Peak	1.40	100	Vertical	Pass
6	479.97	36.64	-13.81	46.0	9.36	Peak	-0.00	100	Vertical	Pass

30 MHz to 1 GHz, ANT H



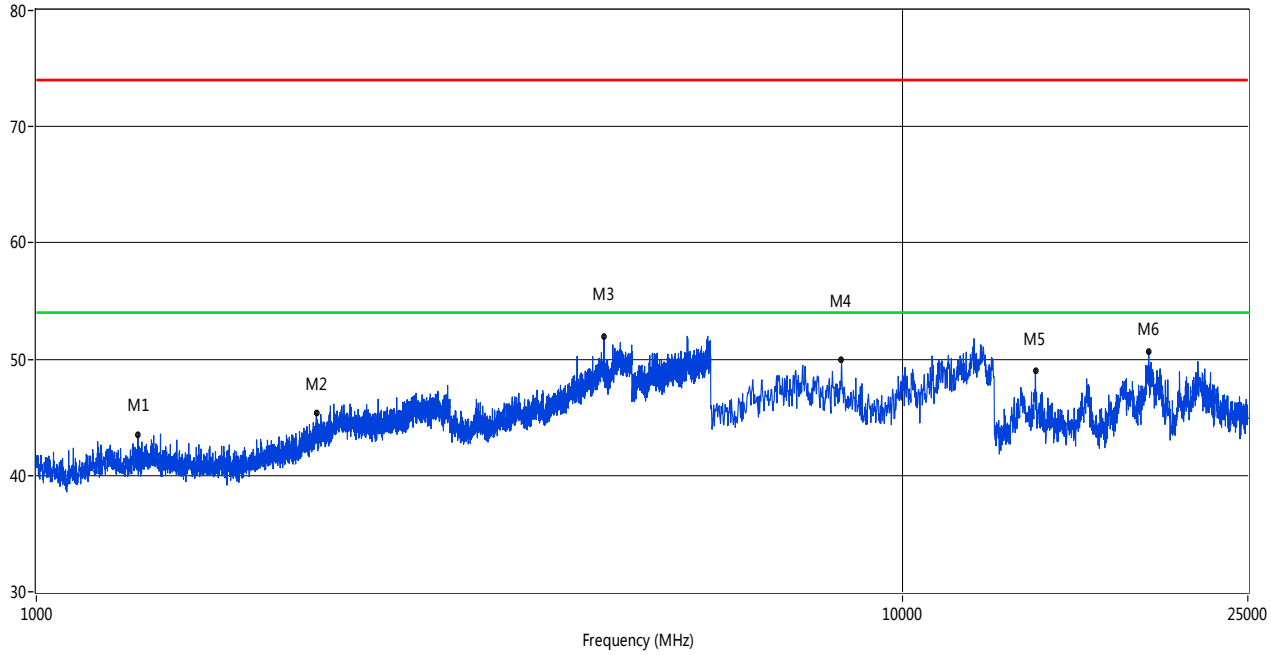
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	125.52	27.83	-22.52	43.5	15.67	Peak	88.60	100	Horizontal	Pass
2	147.83	34.48	-23.49	43.5	9.02	Peak	66.40	100	Horizontal	Pass
3	180.80	37.75	-22.07	43.5	5.75	Peak	17.00	100	Horizontal	Pass
4	233.16	38.50	-19.51	46.0	7.50	Peak	83.00	100	Horizontal	Pass
5	479.97	38.67	-13.81	46.0	7.33	Peak	138.30	100	Horizontal	Pass
6	960.00	40.12	-5.08	46.0	5.88	Peak	308.00	100	Horizontal	Pass

1 GHz to 25 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1389.90	43.98	-4.45	74.0	30.02	Peak	315.60	100	Vertical	Pass
2	2242.19	46.27	-0.22	74.0	27.73	Peak	108.30	100	Vertical	Pass
3	2987.50	48.00	2.37	74.0	26.00	Peak	358.50	100	Vertical	Pass
4	7168.05	49.99	17.52	74.0	24.01	Peak	0.00	100	Vertical	Pass
5	10806.99	50.67	19.73	74.0	23.33	Peak	12.10	100	Vertical	Pass
6	19189.68	49.81	14.08	74.0	24.19	Peak	51.70	100	Vertical	Pass

1 GHz to 25 GHz, ANT H

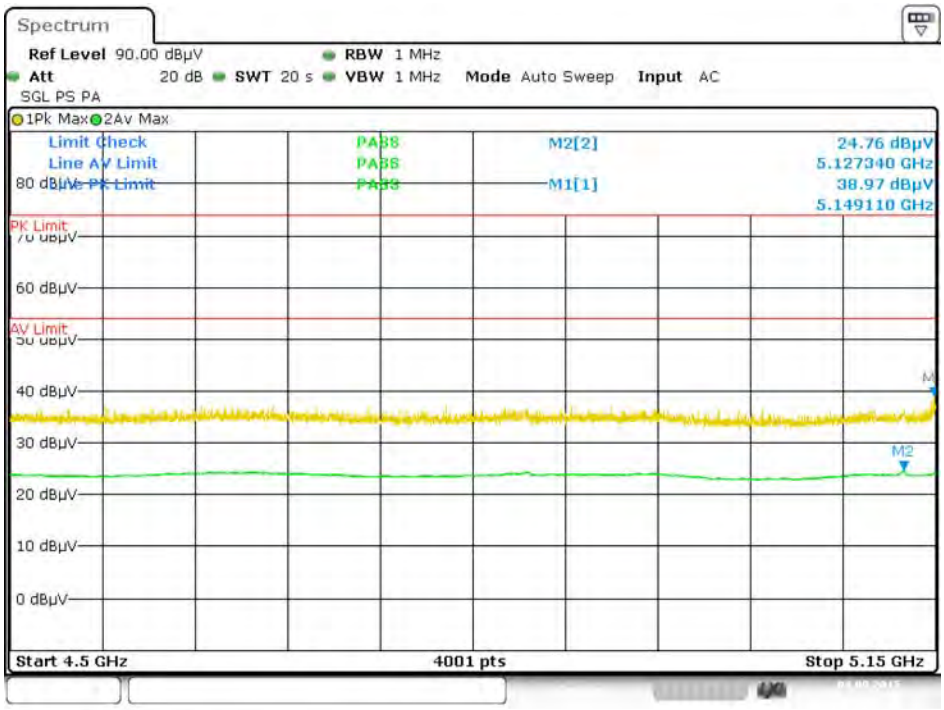


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1309.92	43.47	-4.76	74.0	30.53	Peak	167.10	100	Horizontal	Pass
2	2103.72	45.36	-1.46	74.0	28.64	Peak	8.30	100	Horizontal	Pass
3	4516.87	51.94	12.79	74.0	22.06	Peak	224.60	100	Horizontal	Pass
4	8493.34	49.99	17.82	74.0	24.01	Peak	232.70	100	Horizontal	Pass
5	14216.31	49.06	9.61	74.0	24.94	Peak	323.60	100	Horizontal	Pass
6	19209.65	50.65	14.06	74.0	23.35	Peak	301.20	100	Horizontal	Pass

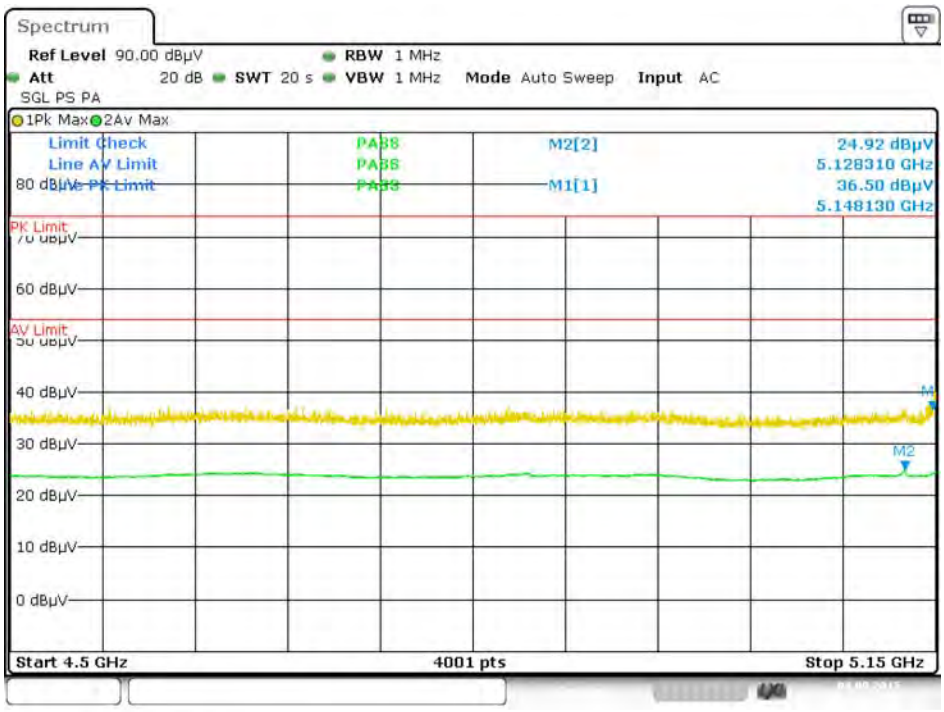
Band Edge

Test Data and Plots

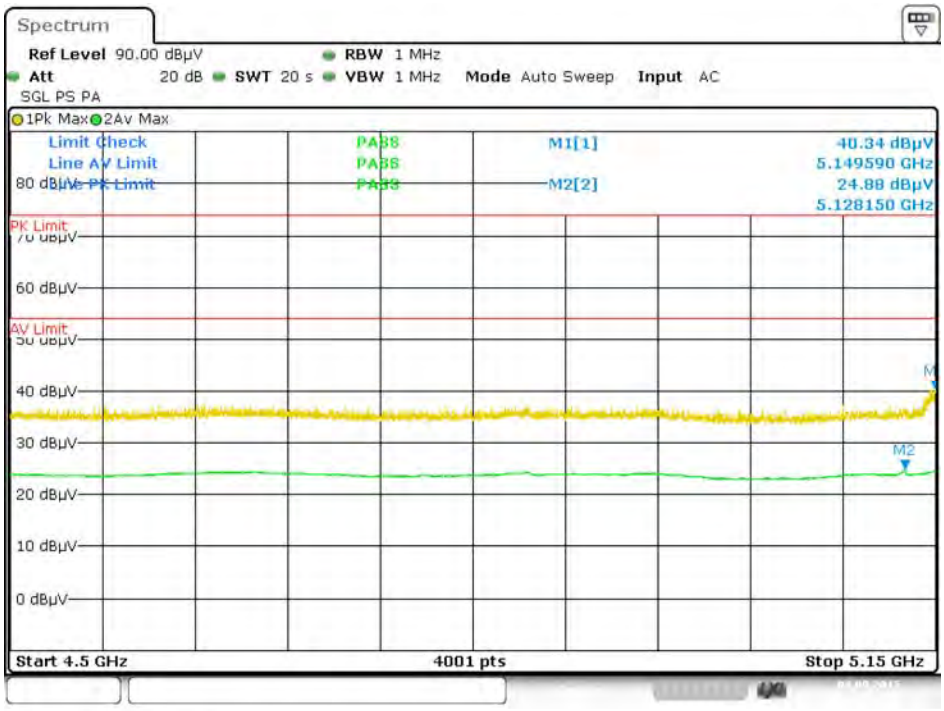
Band I 11a CH36



Band I 11n(HT20) CH36

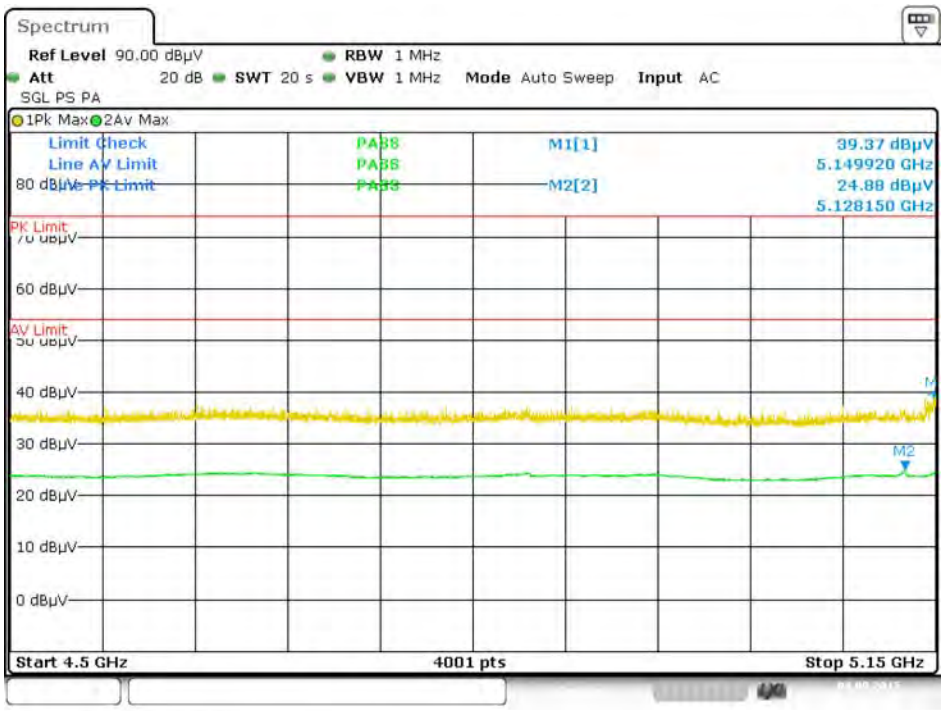


Band I 11n(HT40) CH38



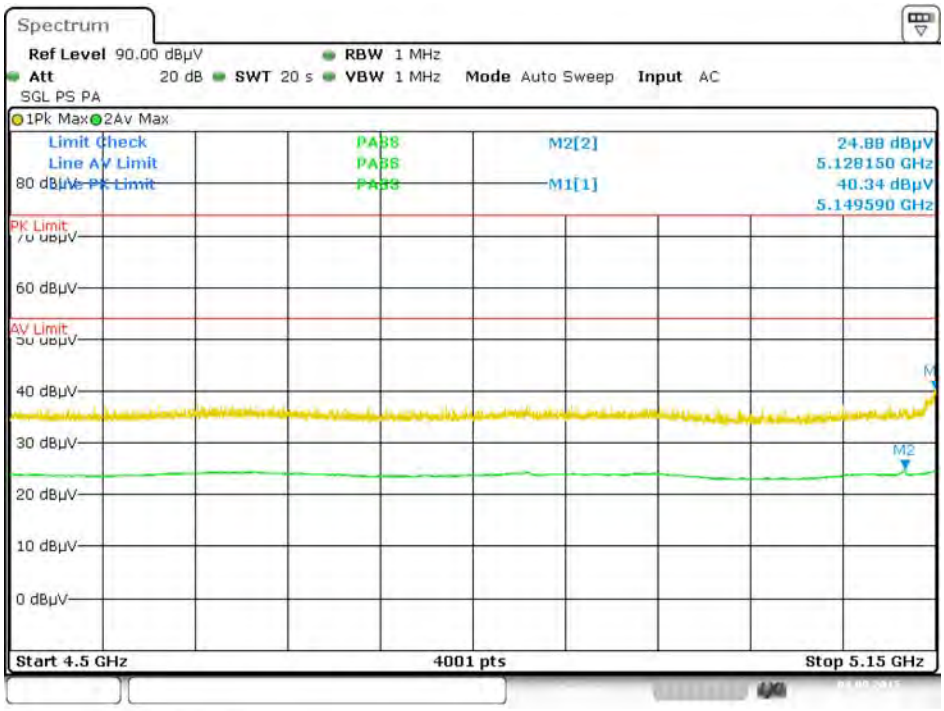
Date: 4.SEP.2015 20:12:14

Band I 11ac(HT20) CH36

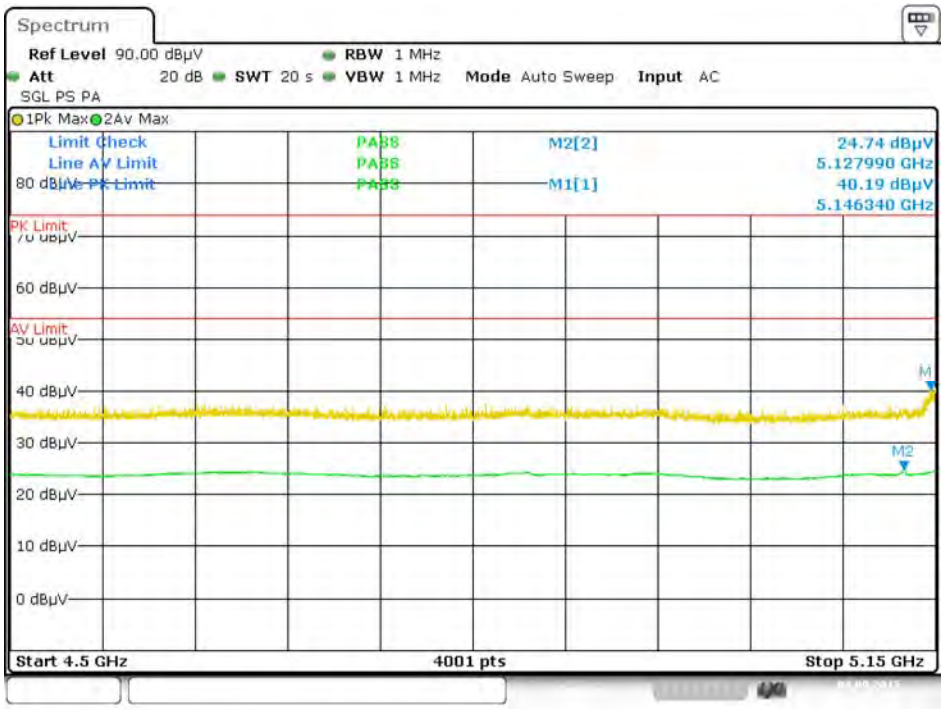


Date: 4.SEP.2015 20:09:29

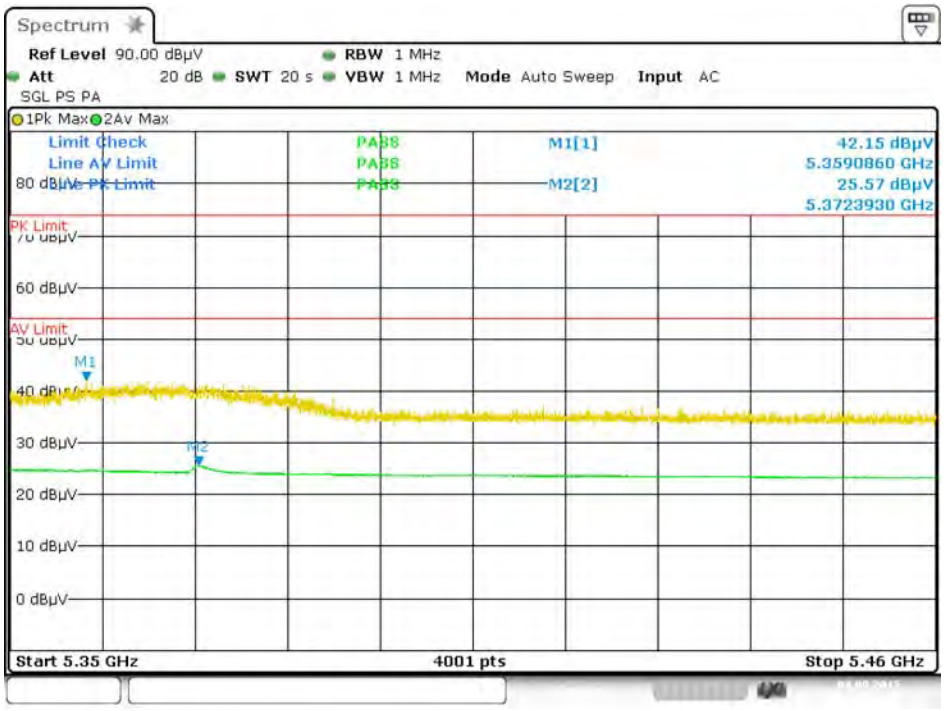
Band I 11ac(HT40) CH38



Band I 11ac(HT80) CH42

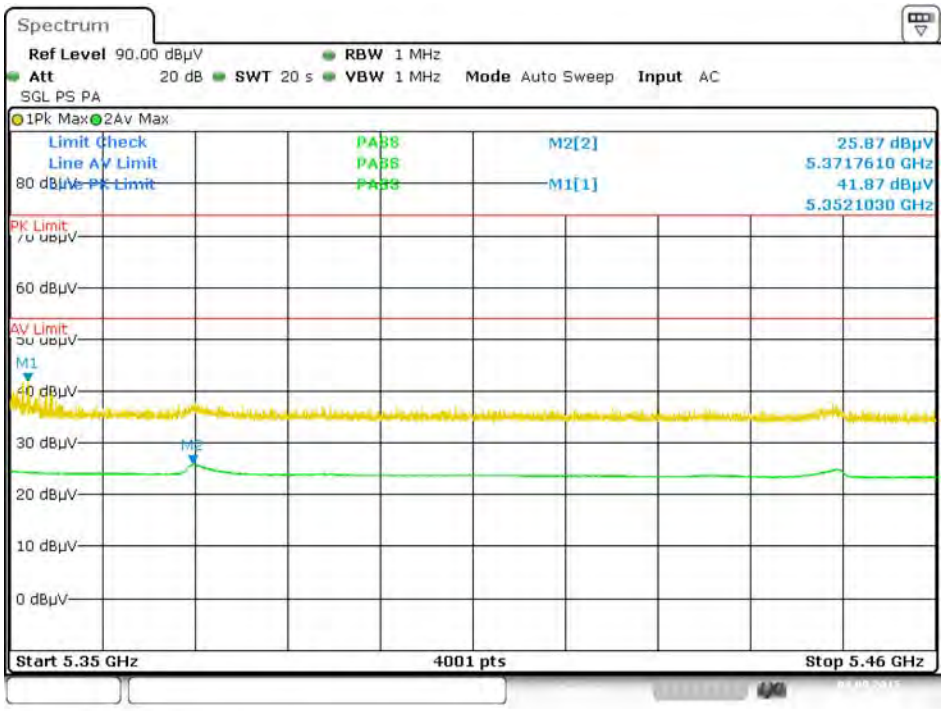


Band II 11a CH64



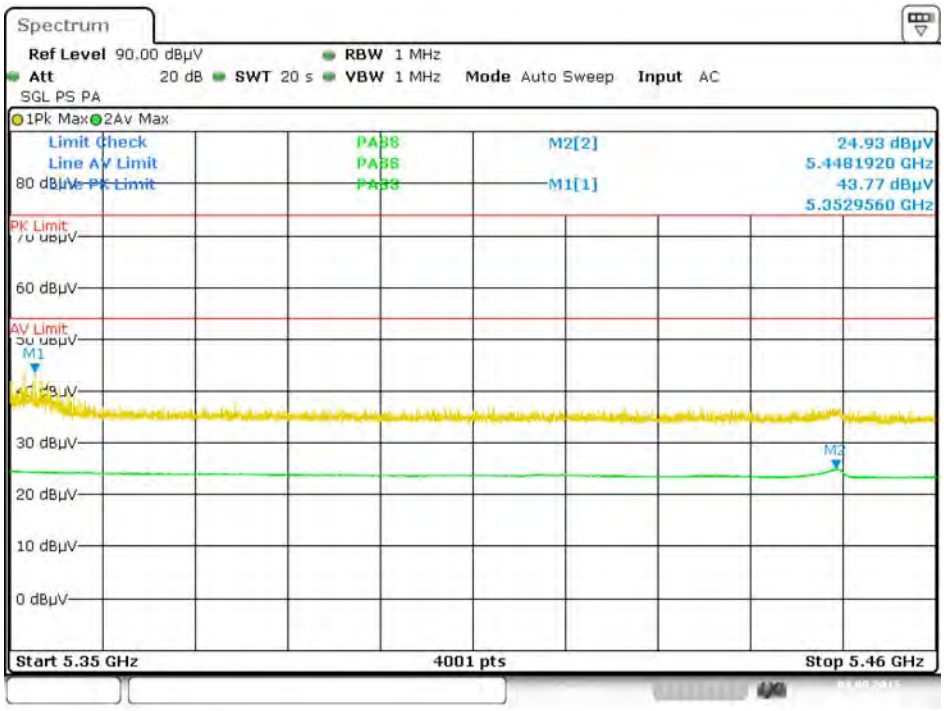
Date: 4.SEP.2015 20:16:09

Band II 11n(HT20) CH64



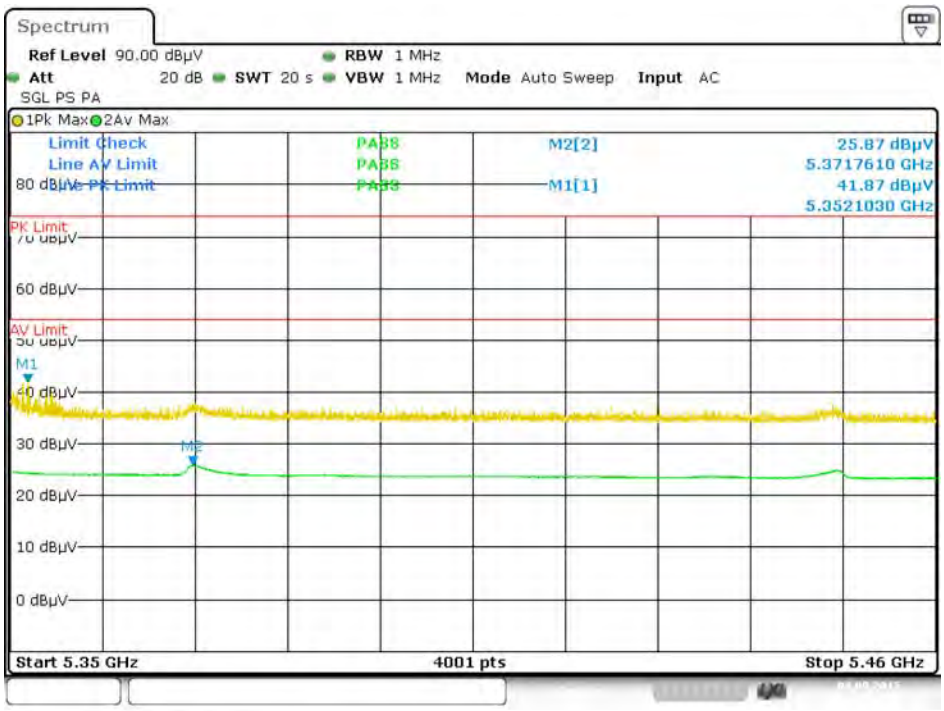
Date: 4.SEP.2015 20:20:27

Band II 11n(HT40) CH62



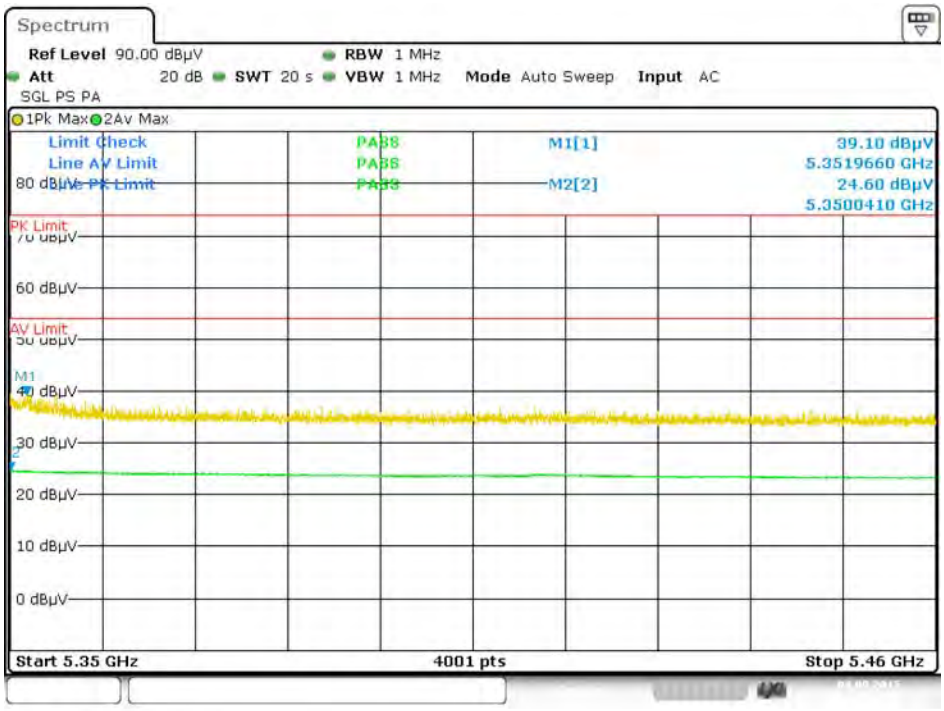
Date: 4.SEP.2015 20:27:06

Band II 11ac(HT20) CH64



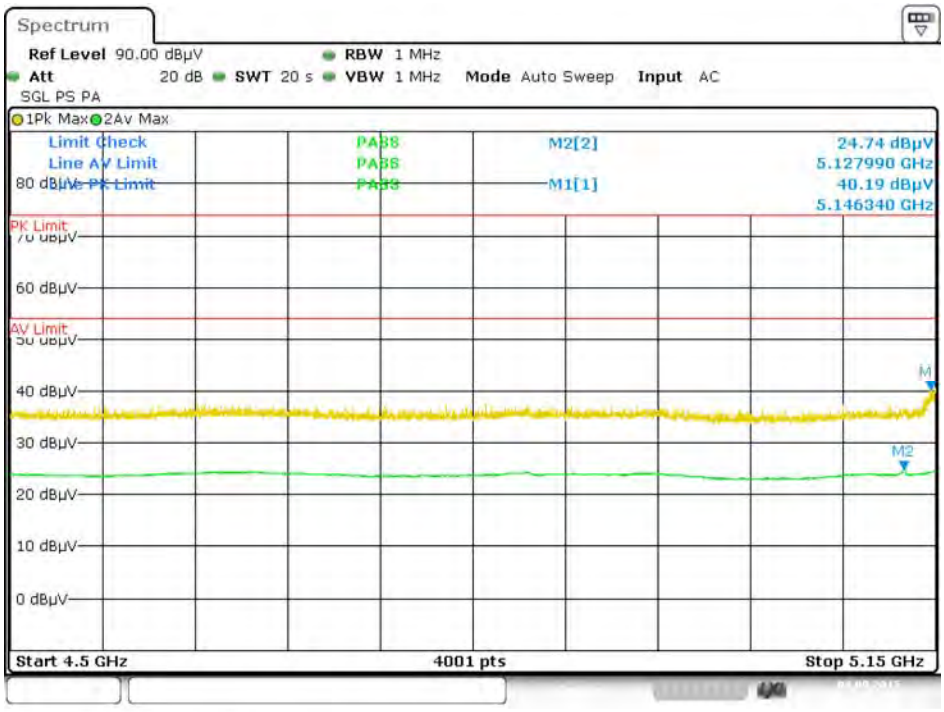
Date: 4.SEP.2015 20:21:46

Band II 11ac(HT40) CH62



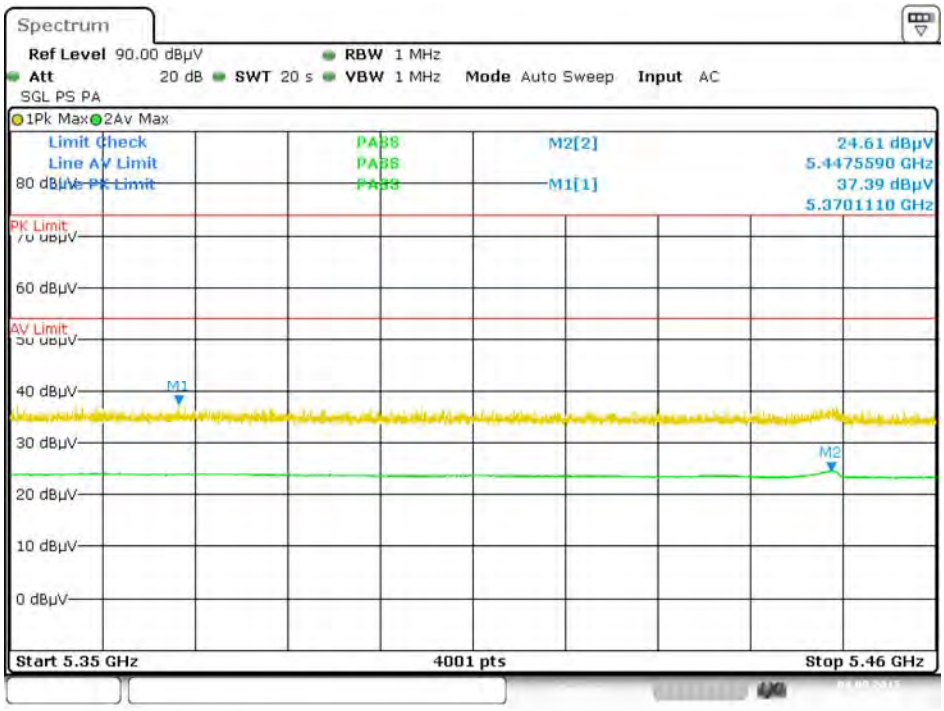
Date: 4.SEP.2015 20:28:44

Band II 11ac(HT80) CH58



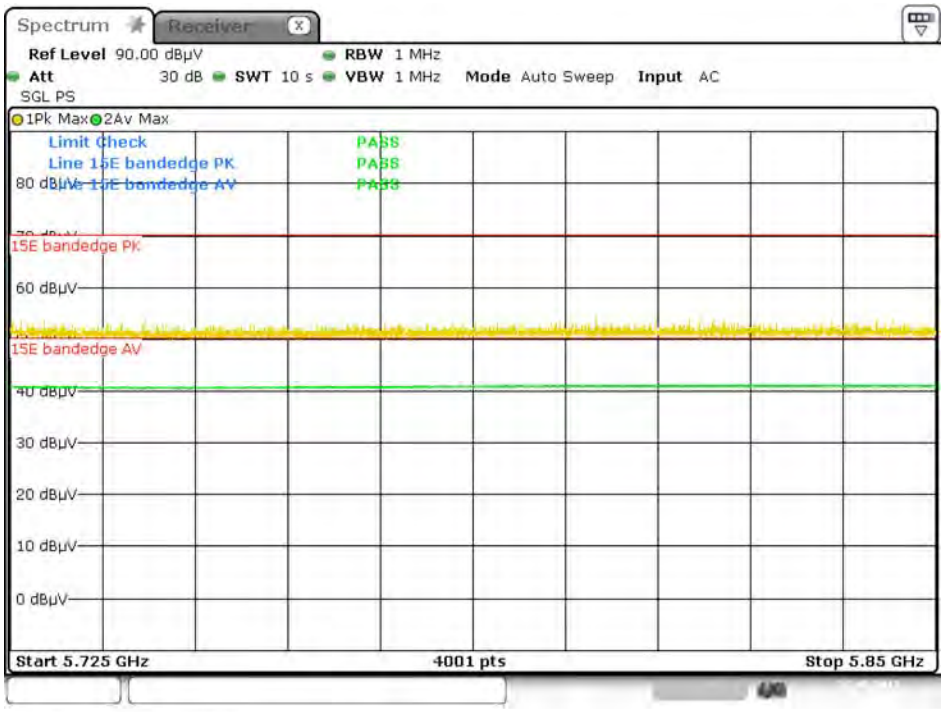
Date: 4.SEP.2015 20:13:56

Band III 11a CH100



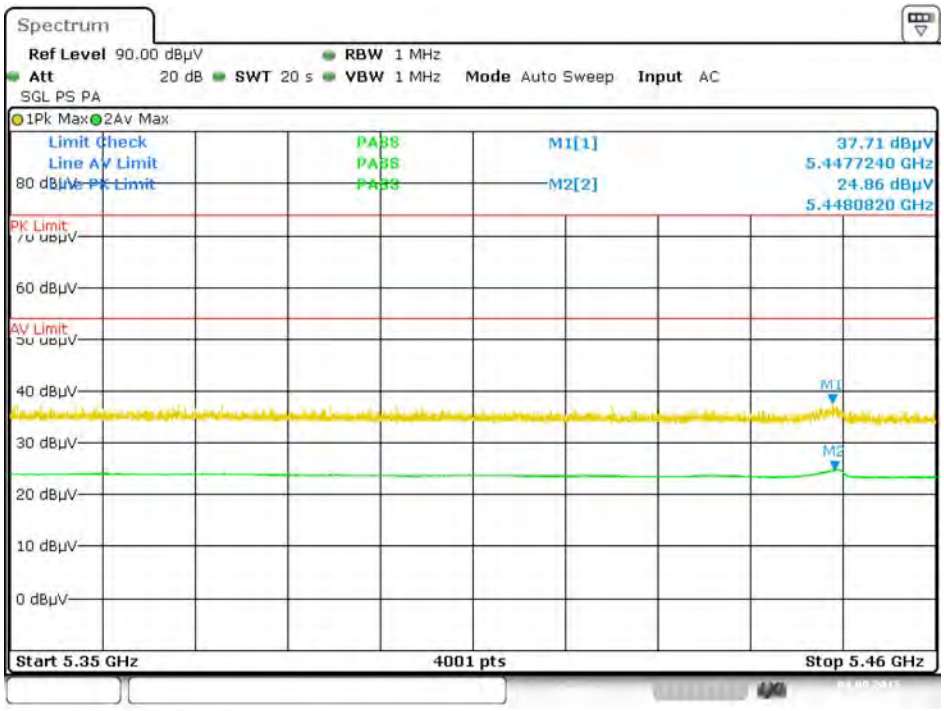
Date: 4.SEP.2015 20:17:47

Band III 11a CH140

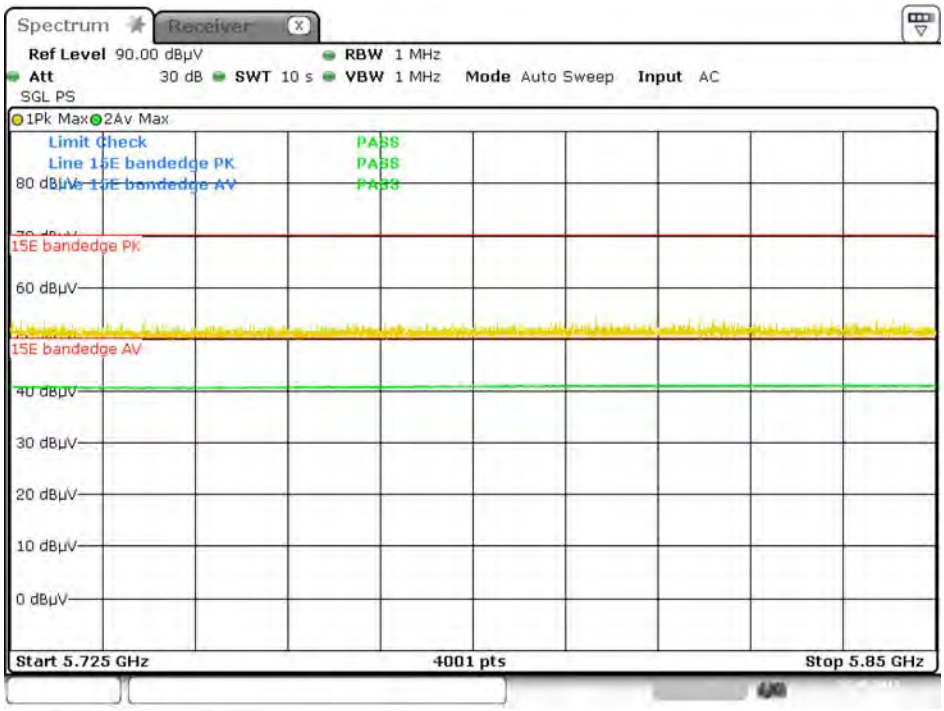


Date: 22.SEP.2015 17:46:54

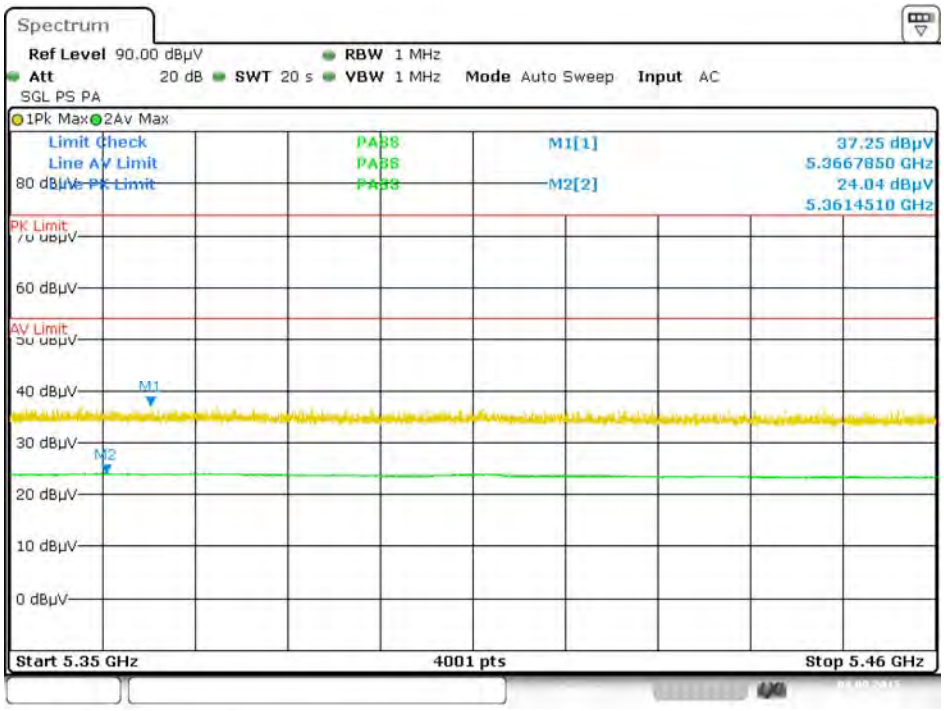
Band III 11n(HT20) CH100



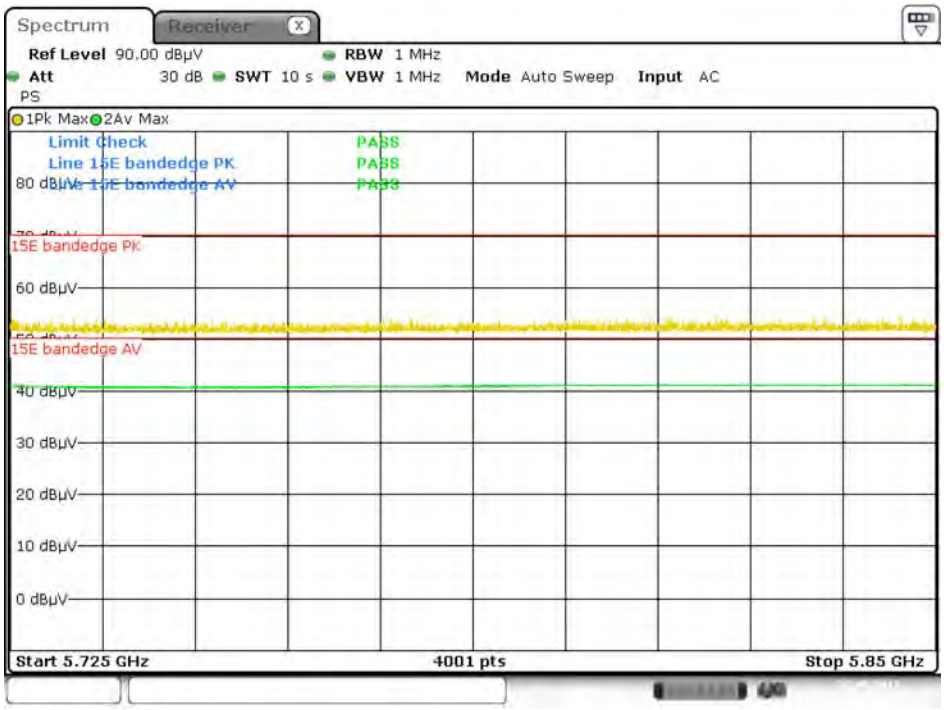
Band III 11n(HT40) CH140



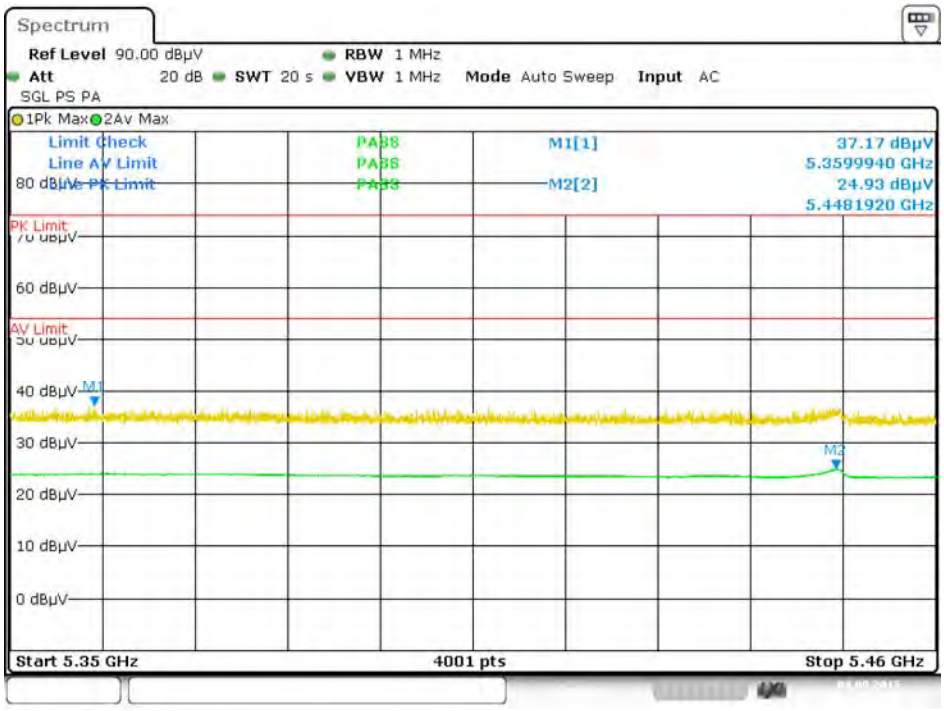
Band III 11nHT40) CH102



Band III 11n(HT40) CH134

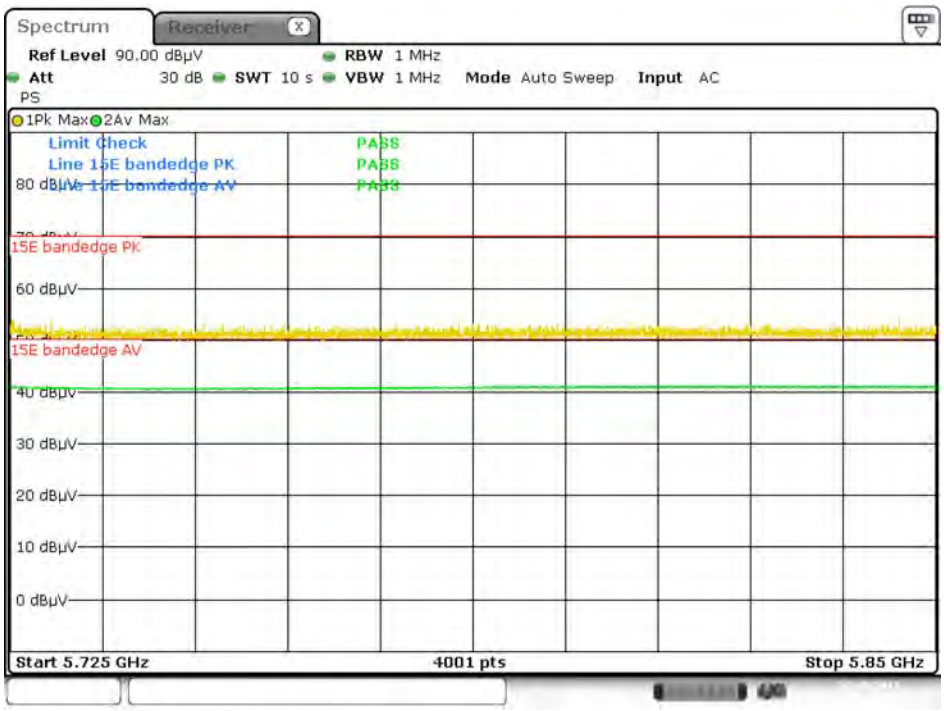


Band III 11ac(HT20) CH100



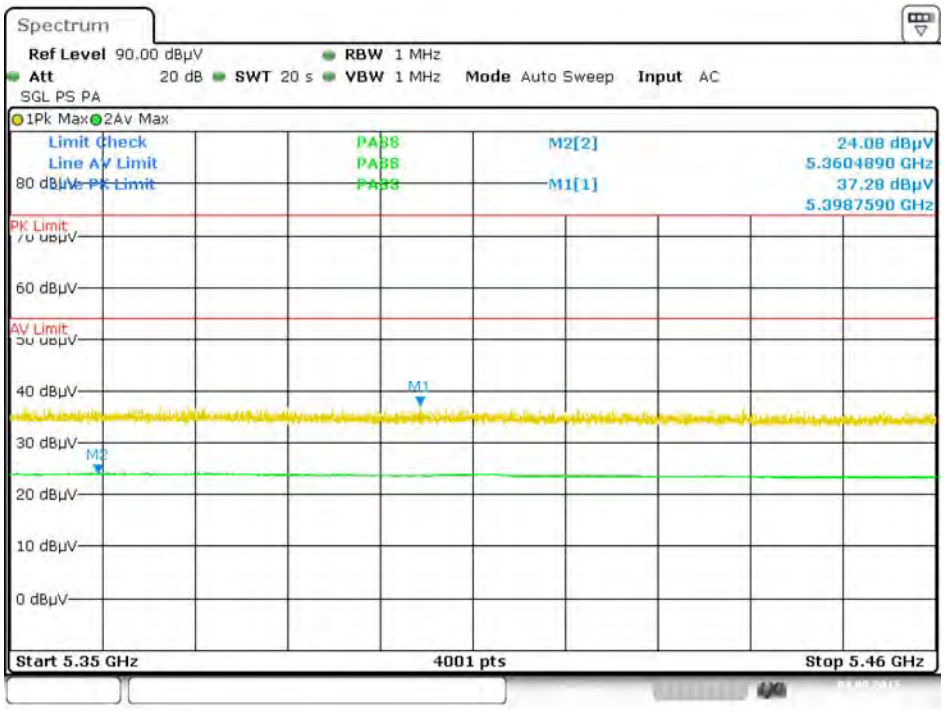
Date: 4.SEP.2015 20:25:38

Band III 11ac(HT20) CH140



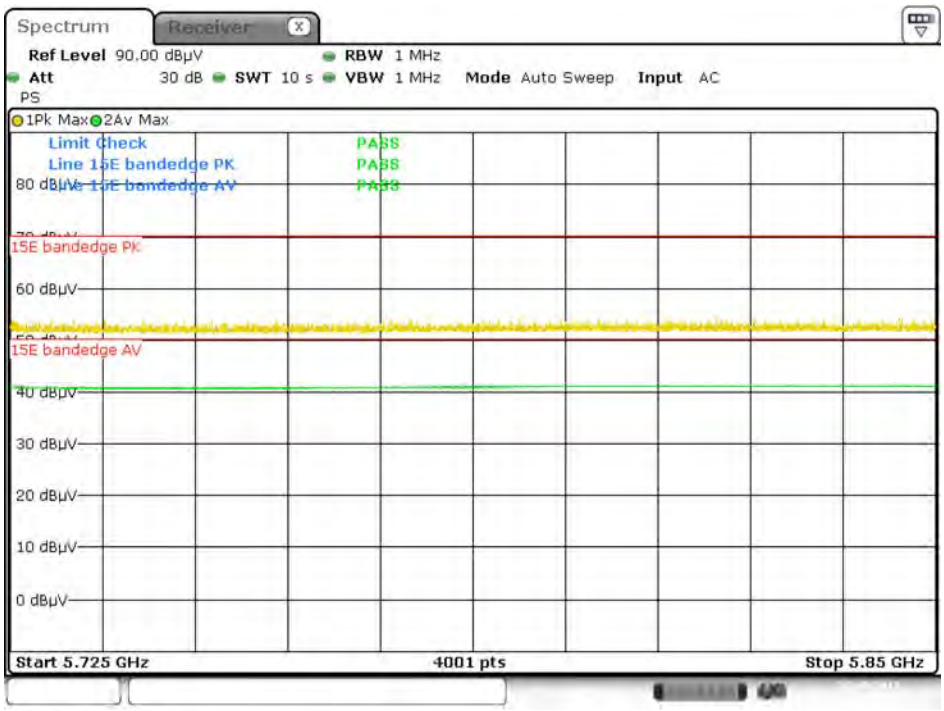
Date: 22.SEP.2015 17:49:50

Band III 11ac(HT40) CH102



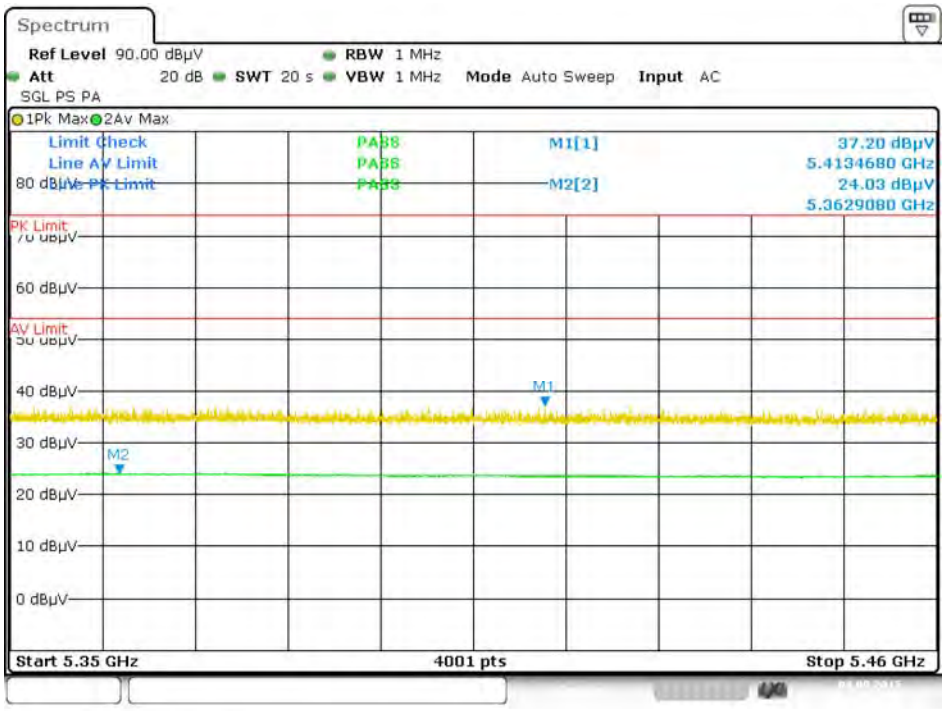
Date: 4.SEP.2015 20:30:22

Band III 11ac(HT40) CH134



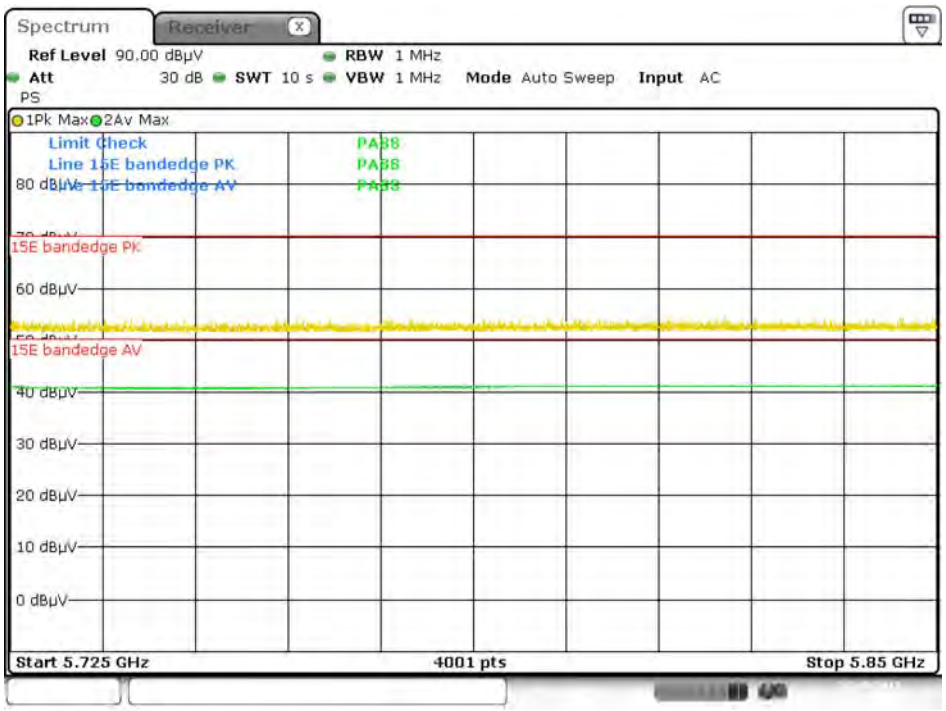
Date: 22.SEP.2015 17:51:32

Left Band III 11ac(HT80) CH106



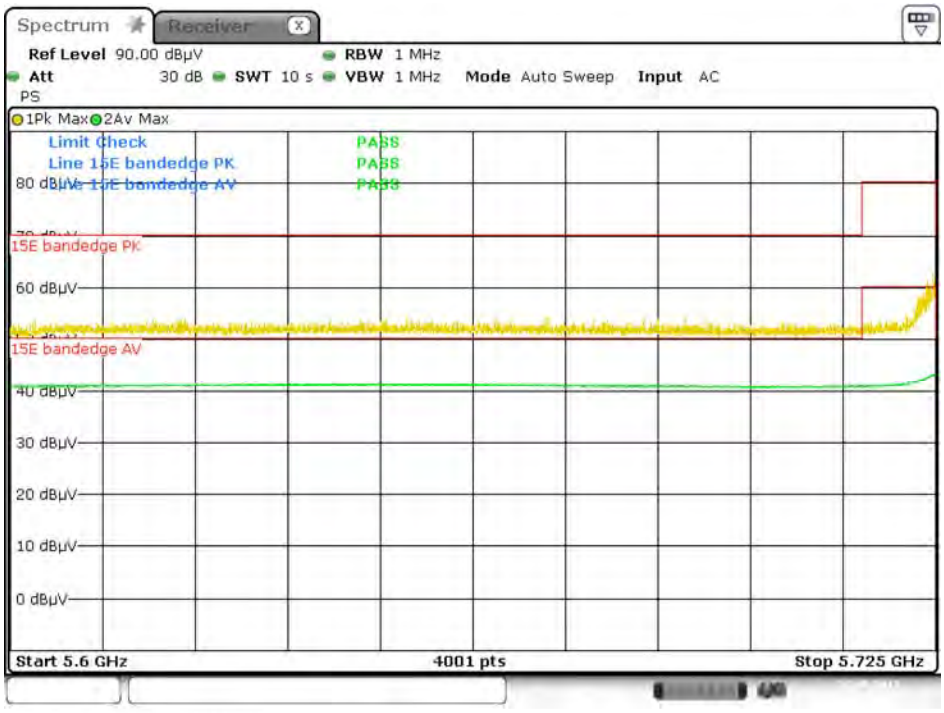
Date: 4.SEP.2015 20:35:43

Right Band III 11ac(HT80) CH106

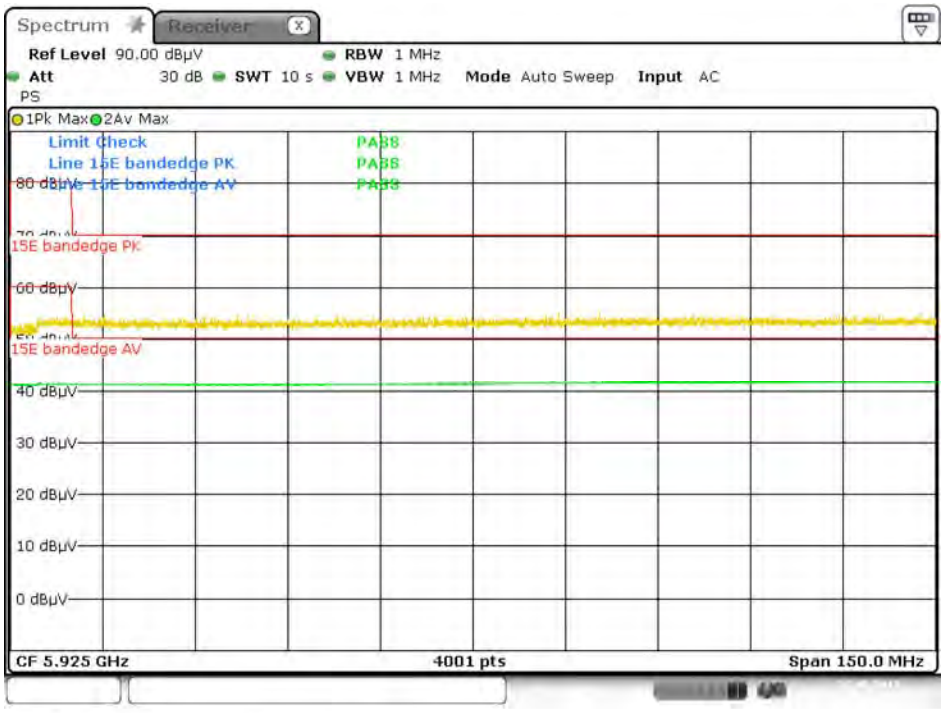


Date: 22.SEP.2015 17:52:37

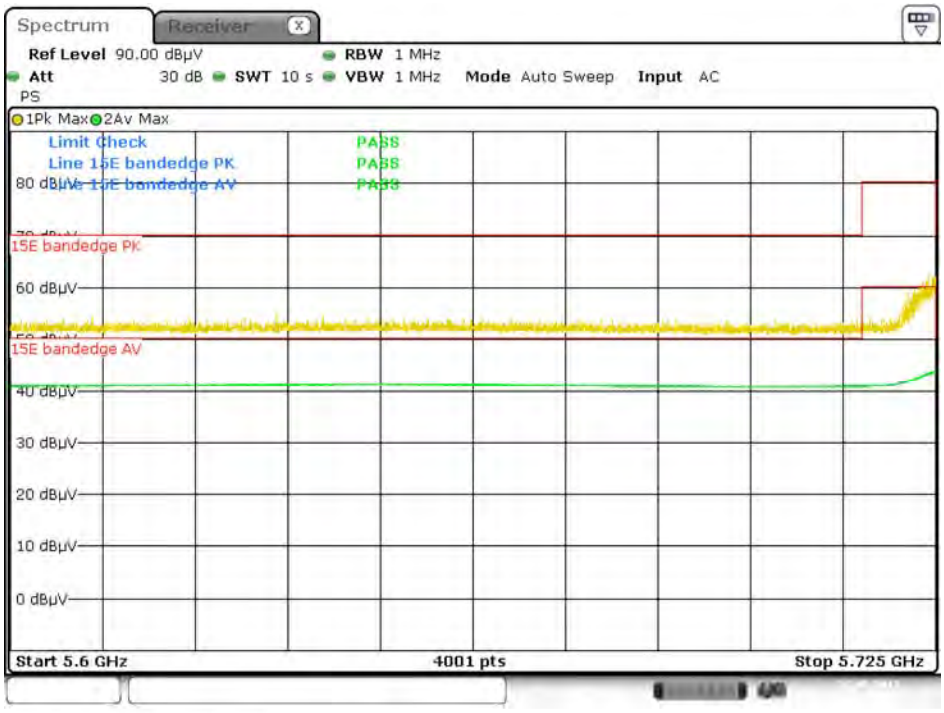
Band IV 11a CH149



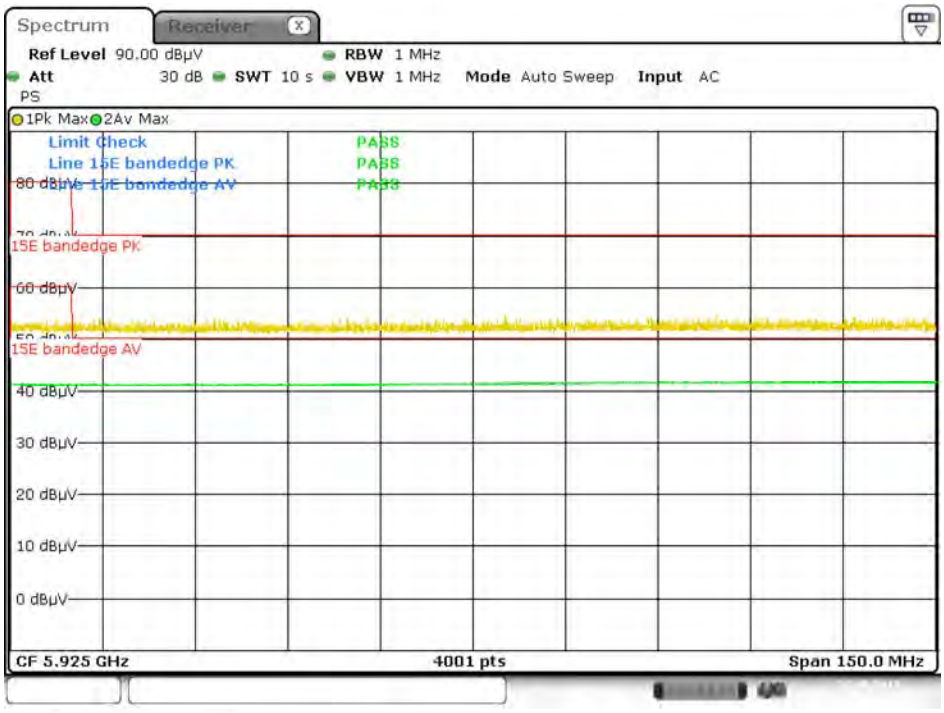
Band IV 11a CH165



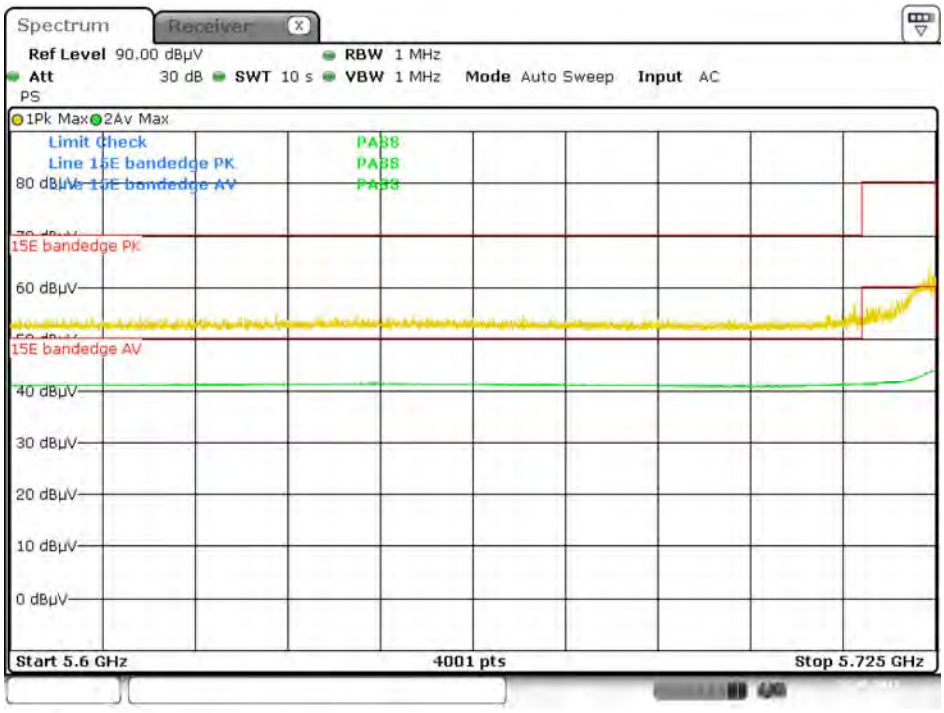
Band IV 11n(HT20) CH149



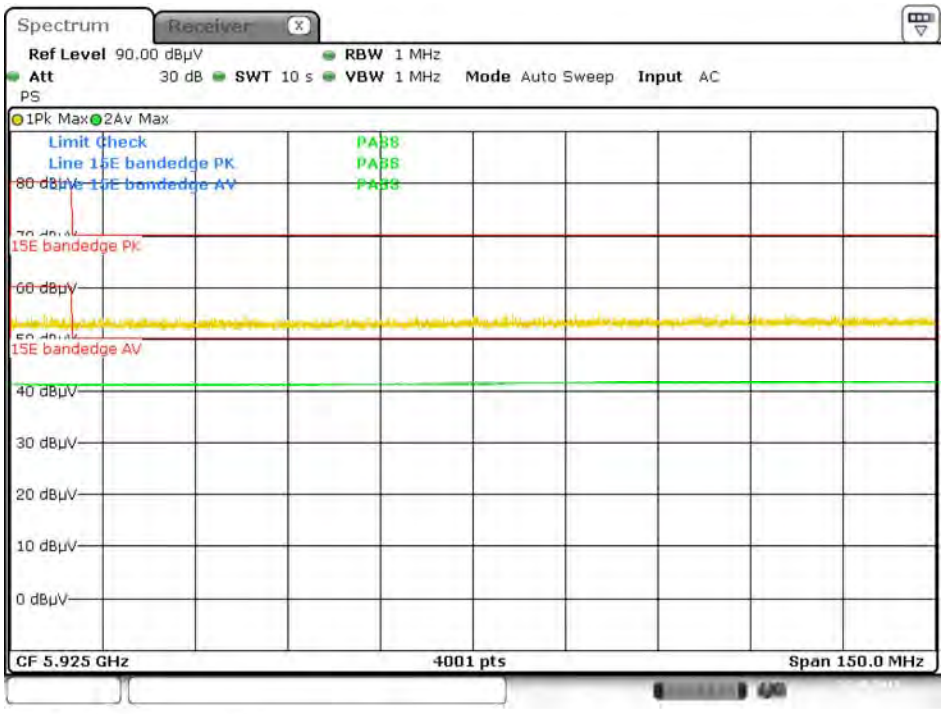
Band IV 11n(HT40) CH165



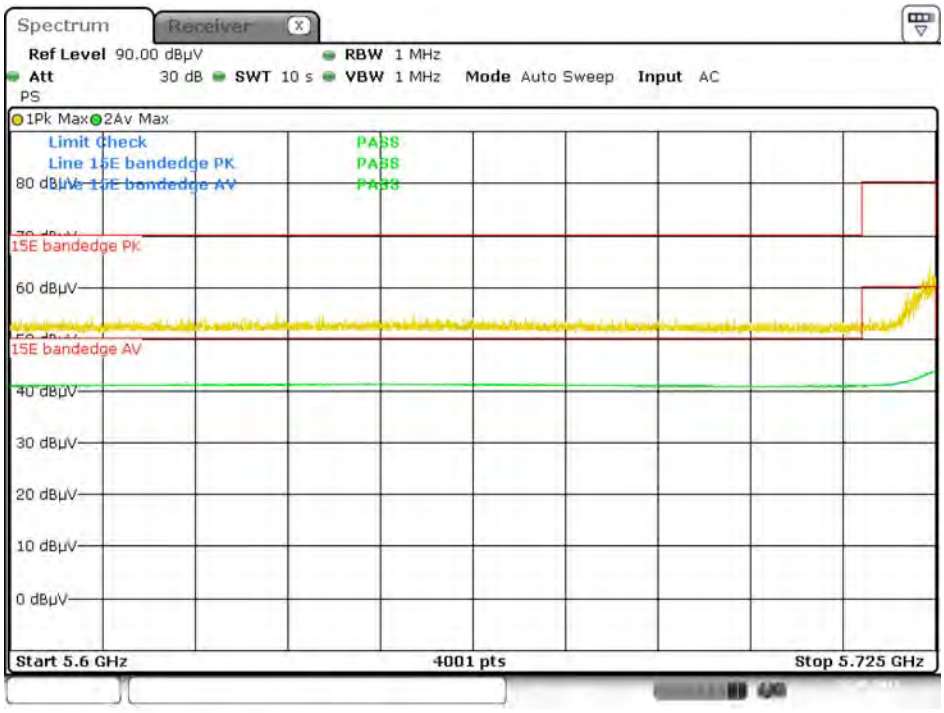
Band IV 11nHT40) CH151



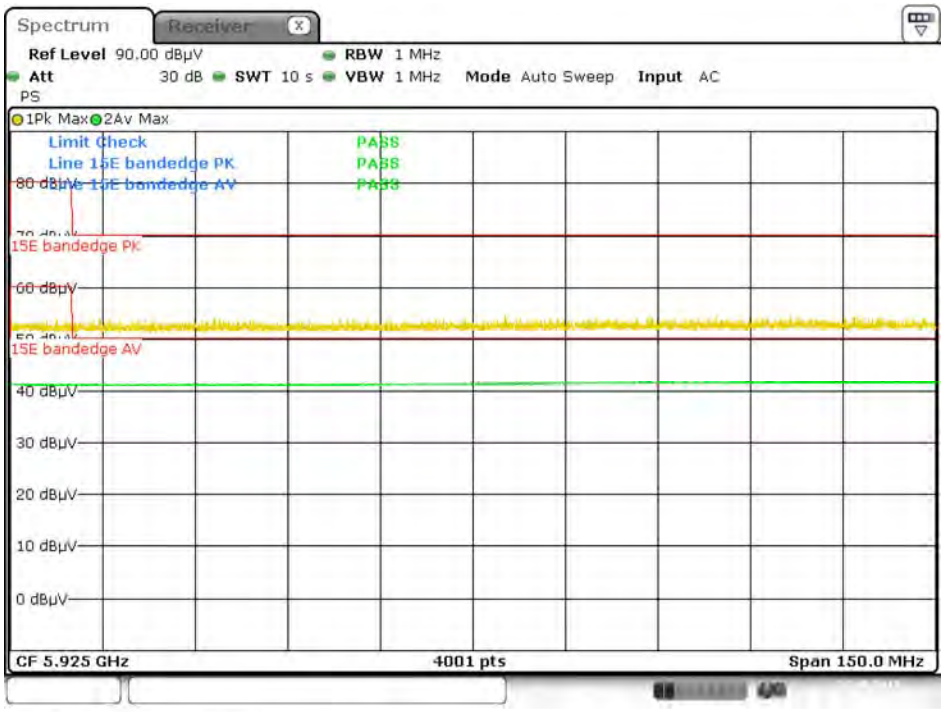
Band IV 11n(HT40) CH159



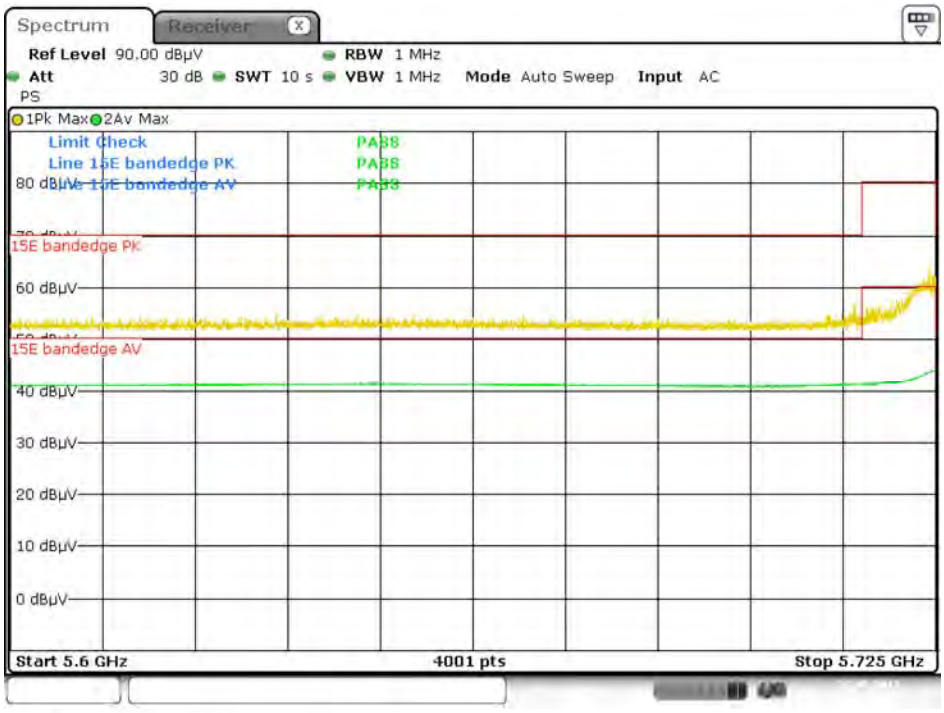
Band IV 11ac(HT20) CH149



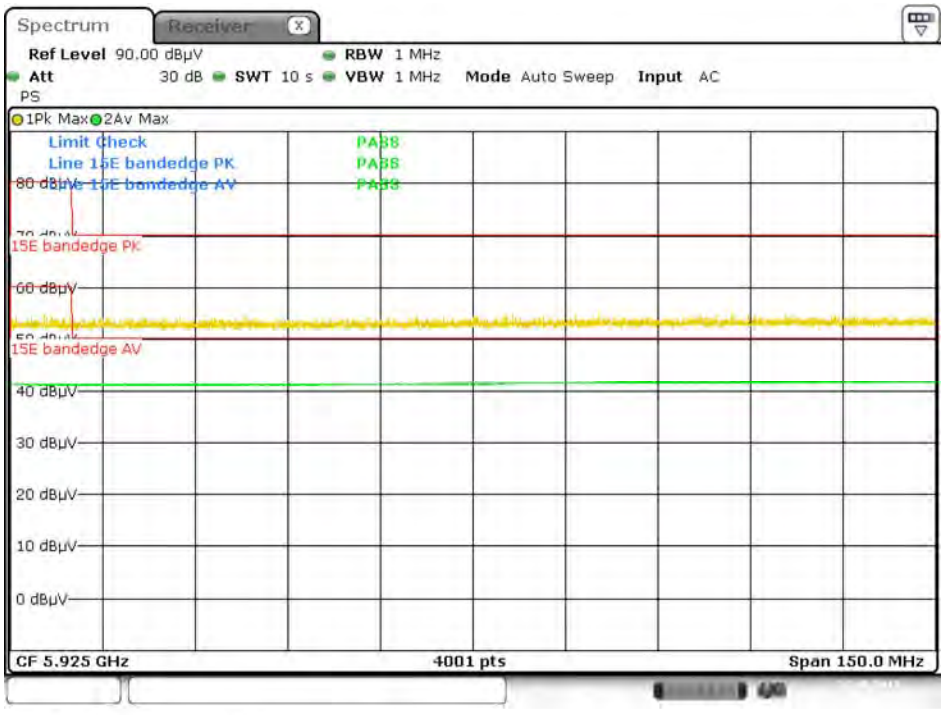
Band IV 11ac(HT20) CH165



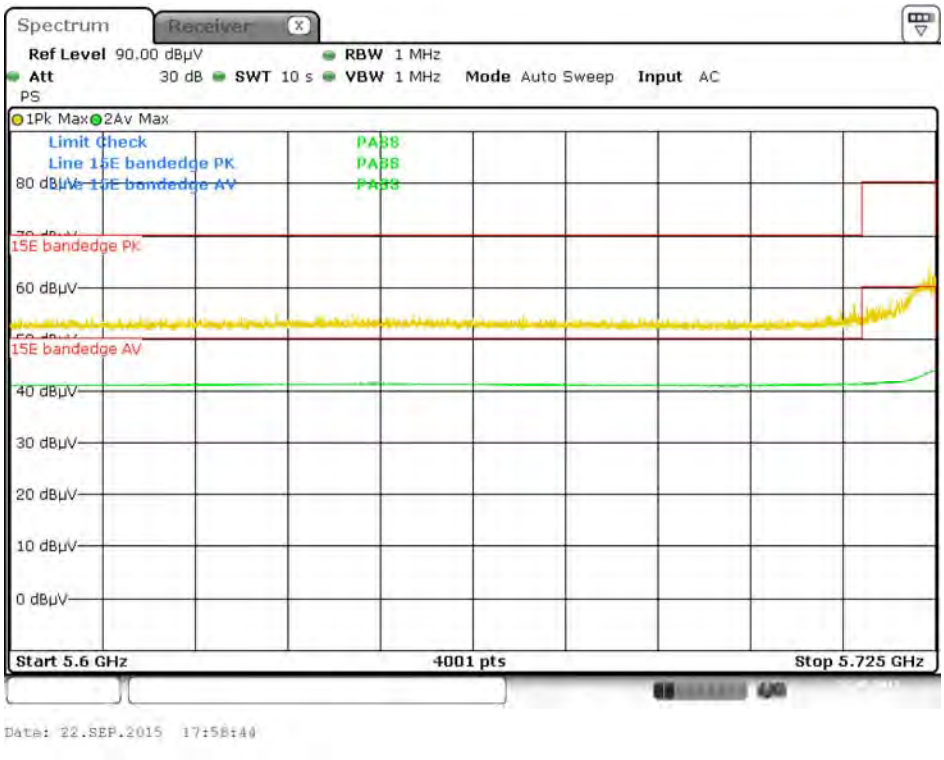
Band IV 11ac(HT40) CH151



Band IV 11ac(HT40) CH159



Left Band IV11ac(HT80) CH155



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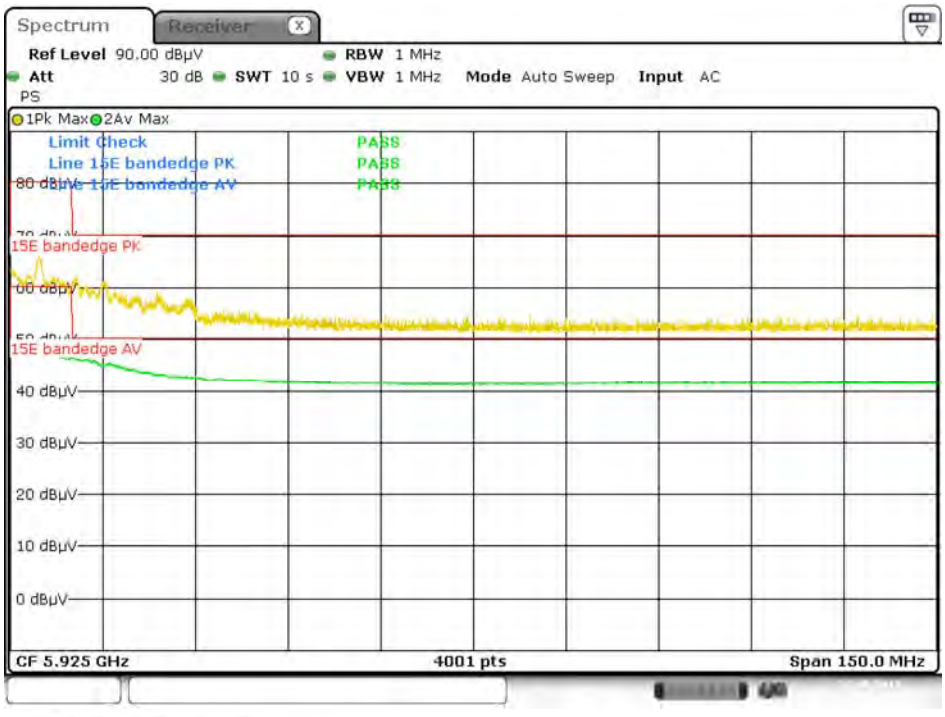
Right Band IV11ac(HT80) CH155



Date: 22.SEP.2015 18:11:53

A.8 Frequency Stability

Measurement Data (the worst channel)

Band I:

Voltage vs. Frequency Stability (11a CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5200	5200.010214	1.96
	3.8	5200	5200.014650	2.82
	3.6	5200	5200.017016	3.27

Temperature vs. Frequency Stability (11a CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5200	5200.015496	2.98
	0	5200	5200.013517	2.60
	10	5200	5200.01398	2.69
	20	5200	5200.015286	2.94
	30	5200	5200.008821	1.70
	40	5200	5200.035657	6.86
	45	5200	5200.035672	6.86

Voltage vs. Frequency Stability (11n(HT20) CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5200	5200.014012	2.69
	3.8	5200	5200.016545	3.18
	3.6	5200	5200.016170	3.11

Temperature vs. Frequency Stability (11n(HT20) CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5200	5200.015438	2.97
	0	5200	5200.015316	2.95
	10	5200	5200.015483	2.98
	20	5200	5200.011158	2.15
	30	5200	5200.006987	1.34
	40	5200	5200.011247	2.16
	45	5200	5200.017547	3.37

Voltage vs. Frequency Stability (11n(HT40) CH38)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5190	5190.01421	2.74
	3.8	5190	5190.01658	3.19
	3.6	5190	5190.011473	2.21

Temperature vs. Frequency Stability (11n(HT40) CH38)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5190	5190.013488	2.60
	0	5190	5190.013547	2.61
	10	5190	5190.014763	2.84
	20	5190	5190.045642	8.79
	30	5190	5190.008741	1.68
	40	5190	5190.015689	3.02
	45	5190	5190.015234	2.94

Voltage vs. Frequency Stability (11ac(HT20) CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5200	5200.012141	2.33
	3.8	5200	5200.014321	2.75
	3.6	5200	5200.011581	2.23

Temperature vs. Frequency Stability (11ac(HT20) CH44)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5200	5200.012281	2.36
	0	5200	5200.016687	3.21
	10	5200	5200.011291	2.17
	20	5200	5200.013658	2.63
	30	5200	5200.018081	3.48
	40	5200	5200.012138	2.33
	45	5200	5200.022014	4.23

Voltage vs. Frequency Stability (11n(HT40) CH38)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5190	5190.011224	2.16
	3.8	5190	5190.016354	3.15
	3.6	5190	5190.010047	1.94

Temperature vs. Frequency Stability (11n(HT40) CH38)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5190	5190.013158	2.54
	0	5190	5190.015216	2.93
	10	5190	5190.012139	2.34
	20	5190	5190.011548	2.23
	30	5190	5190.008809	1.70
	40	5190	5190.011124	2.14
	45	5190	5190.016578	3.19

Voltage vs. Frequency Stability (11ac(HT80) CH42)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5210	5210.01416	2.72
	3.8	5210	5210.011689	2.24
	3.6	5210	5210.010617	2.04

Temperature vs. Frequency Stability (11ac(HT80) CH42)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5210	5210.016452	3.16
	0	5210	5210.013451	2.58
	10	5210	5210.010387	1.99
	20	5210	5210.015534	2.98
	30	5210	5210.008897	1.71
	40	5210	5210.009977	1.91
	45	5210	5210.014579	2.80

Band II:

Voltage vs. Frequency Stability (11a CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5280	5280.011457	2.17
	3.8	5280	5280.010596	2.01
	3.6	5280	5280.017804	3.37

Temperature vs. Frequency Stability (11a CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5280	5280.015466	2.93
	0	5280	5280.012158	2.30
	10	5280	5280.010571	2.00
	20	5280	5280.013896	2.63
	30	5280	5280.007008	1.33
	40	5280	5280.012315	2.33
	45	5280	5280.013254	2.51

Voltage vs. Frequency Stability (11n(HT20) CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5280	5280.017467	3.31
	3.8	5280	5280.015372	2.91
	3.6	5280	5280.013310	2.52

Temperature vs. Frequency Stability (11n(HT20) CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5280	5280.019919	3.77
	0	5280	5280.012985	2.46
	10	5280	5280.013093	2.48
	20	5280	5280.010468	1.98
	30	5280	5280.014408	2.73
	40	5280	5280.014111	2.67
	45	5280	5280.012742	2.41

Voltage vs. Frequency Stability (11n(HT40) CH54)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5270	5270.018825	3.57
	3.8	5270	5270.019563	3.71
	3.6	5270	5270.012403	2.35

Temperature vs. Frequency Stability (11n(HT40) CH54)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5270	5270.018511	3.51
	0	5270	5270.016504	3.13
	10	5270	5270.011168	2.12
	20	5270	5270.019220	3.65
	30	5270	5270.018706	3.55
	40	5270	5270.013485	2.56
	45	5270	5270.012043	2.29

Voltage vs. Frequency Stability (11ac(HT20) CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5280	5280.010265	1.94
	3.8	5280	5280.011117	2.11
	3.6	5280	5280.018187	3.44

Temperature vs. Frequency Stability (11ac(HT20) CH56)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5280	5280.018917	3.58
	0	5280	5280.016373	3.10
	10	5280	5280.012135	2.30
	20	5280	5280.013672	2.59
	30	5280	5280.015503	2.94
	40	5280	5280.019122	3.62
	45	5280	5280.010988	2.08

Voltage vs. Frequency Stability (11ac(HT40) CH54)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5270	5270.012686	2.41
	3.8	5270	5270.011862	2.25
	3.6	5270	5270.017001	3.23

Temperature vs. Frequency Stability (11ac(HT40) CH54)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5270	5270.014188	2.69
	0	5270	5270.018499	3.51
	10	5270	5270.015219	2.89
	20	5270	5270.011153	2.12
	30	5270	5270.010592	2.01
	40	5270	5270.013785	2.62
	45	5270	5270.017462	3.31

Voltage vs. Frequency Stability (11ac(HT80) CH58)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5290	5290.018766	3.55
	3.8	5290	5290.019924	3.77
	3.6	5290	5290.014704	2.78

Temperature vs. Frequency Stability (11n(HT80) CH42)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5290	5290.011910	2.25
	0	5290	5290.016436	3.11
	10	5290	5290.018989	3.59
	20	5290	5290.016269	3.08
	30	5290	5290.010085	1.91
	40	5290	5290.012528	2.37
	45	5290	5290.015557	2.94

Band III:

Voltage vs. Frequency Stability (11a CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5580	5580.012895	2.31
	3.8	5580	5580.015659	2.81
	3.6	5580	5580.017556	3.15

Temperature vs. Frequency Stability (11a CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5580	5580.013404	2.40
	0	5580	5580.014910	2.67
	10	5580	5580.016176	2.90
	20	5580	5580.018439	3.30
	30	5580	5580.010149	1.82
	40	5580	5580.011000	1.97
	45	5580	5580.019258	3.45

Voltage vs. Frequency Stability (11n(HT20) CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5580	5580.011910	2.13
	3.8	5580	5580.018836	3.38
	3.6	5580	5580.016515	2.96

Temperature vs. Frequency Stability (11n(HT20) CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5580	5580.012556	2.25
	0	5580	5580.019156	3.43
	10	5580	5580.010321	1.85
	20	5580	5580.017363	3.11
	30	5580	5580.016466	2.95
	40	5580	5580.013221	2.37
	45	5580	5580.015754	2.82

Voltage vs. Frequency Stability (11n(HT40) CH102)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5510	5510.015557	2.82
	3.8	5510	5510.014401	2.61
	3.6	5510	5510.016106	2.92

Temperature vs. Frequency Stability (11n(HT40) CH102)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5510	5510.019992	3.63
	0	5510	5510.018951	3.44
	10	5510	5510.011416	2.07
	20	5510	5510.015656	2.84
	30	5510	5510.016594	3.01
	40	5510	5510.012724	2.31
	45	5510	5510.017268	3.13

Voltage vs. Frequency Stability (11ac(HT20) CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5580	5580.017457	3.13
	3.8	5580	5580.010847	1.94
	3.6	5580	5580.015112	2.71

Temperature vs. Frequency Stability (11ac(HT20) CH116)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5580	5580.013450	2.41
	0	5580	5580.015521	2.78
	10	5580	5580.017858	3.20
	20	5580	5580.010268	1.84
	30	5580	5580.010360	1.86
	40	5580	5580.015506	2.78
	45	5580	5580.018460	3.31

Voltage vs. Frequency Stability (11ac(HT40) CH102)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5510	5510.013625	2.47
	3.8	5510	5510.019015	3.45
	3.6	5510	5510.019447	3.53

Temperature vs. Frequency Stability (11ac(HT40) CH102)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5510	5510.015305	2.78
	0	5510	5510.010063	1.83
	10	5510	5510.014742	2.68
	20	5510	5510.014603	2.65
	30	5510	5510.019014	3.45
	40	5510	5510.010868	1.97
	45	5510	5510.013743	2.49

Voltage vs. Frequency Stability (11ac(HT80) CH106)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5530	5530.015052	2.72
	3.8	5530	5530.012481	2.26
	3.6	5530	5530.018508	3.35

Temperature vs. Frequency Stability (11ac(HT80) CH106)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5530	5530.015529	2.81
	0	5530	5530.014294	2.58
	10	5530	5530.012035	2.18
	20	5530	5530.017475	3.16
	30	5530	5530.018026	3.26
	40	5530	5530.015013	2.71
	45	5530	5530.017916	3.24

Band IV:

Voltage vs. Frequency Stability (11a CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5785	5785.016988	2.94
	3.8	5785	5785.014238	2.46
	3.6	5785	5785.018002	3.11

Temperature vs. Frequency Stability (11a CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5785	5785.010729	1.85
	0	5785	5785.010050	1.74
	10	5785	5785.013702	2.37
	20	5785	5785.014544	2.51
	30	5785	5785.019886	3.44
	40	5785	5785.018382	3.18
	45	5785	5785.013717	2.37

Voltage vs. Frequency Stability (11n(HT20) CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5785	5785.015565	2.69
	3.8	5785	5785.016326	2.82
	3.6	5785	5785.012066	2.09

Temperature vs. Frequency Stability (11n(HT20) CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5785	5785.016399	2.83
	0	5785	5785.014566	2.52
	10	5785	5785.017959	3.10
	20	5785	5785.013333	2.30
	30	5785	5785.019612	3.39
	40	5785	5785.018767	3.24
	45	5785	5785.014186	2.45

Voltage vs. Frequency Stability (11n(HT40) CH151)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5755	5755.011274	1.96
	3.8	5755	5755.014426	2.51
	3.6	5755	5755.017503	3.04

Temperature vs. Frequency Stability (11n(HT40) CH151)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5755	5755.015051	2.62
	0	5755	5755.010705	1.86
	10	5755	5755.013297	2.31
	20	5755	5755.016415	2.85
	30	5755	5755.012089	2.10
	40	5755	5755.011787	2.05
	45	5755	5755.010117	1.76

Voltage vs. Frequency Stability (11ac(HT20) CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5785	5785.014478	2.50
	3.8	5785	5785.018521	3.20
	3.6	5785	5785.018023	3.12

Temperature vs. Frequency Stability (11ac(HT20) CH157)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5785	5785.012420	2.15
	0	5785	5785.015254	2.64
	10	5785	5785.017279	2.99
	20	5785	5785.018393	3.18
	30	5785	5785.016234	2.81
	40	5785	5785.018694	3.23
	45	5785	5785.014506	2.51

Voltage vs. Frequency Stability (11ac(HT40) CH151)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5755	5755.014191	2.47
	3.8	5755	5755.019688	3.42
	3.6	5755	5755.017775	3.09

Temperature vs. Frequency Stability (11ac(HT40) CH151)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5755	5755.011276	1.96
	0	5755	5755.018558	3.22
	10	5755	5755.012521	2.18
	20	5755	5755.014203	2.47
	30	5755	5755.011908	2.07
	40	5755	5755.011446	1.99
	45	5755	5755.019596	3.41

Voltage vs. Frequency Stability (11ac(HT80) CH155)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Temperature (°C)	Voltage (VDC)			
20	4.35	5775	5775.010705	1.85
	3.8	5775	5775.018311	3.17
	3.6	5775	5775.010680	1.85

Temperature vs. Frequency Stability (11ac(HT80) CH155)

Test Conditions		Test Frequency (MHz)	Measurement Frequency (MHz)	Max. Deviation (ppm)
Voltage (VDC)	Temperature (°C)			
3.8	-10	5775	5775.010116	1.75
	0	5775	5775.017216	2.98
	10	5775	5775.014461	2.50
	20	5775	5775.018690	3.24
	30	5775	5775.016794	2.91
	40	5775	5775.016322	2.83
	45	5775	5775.012424	2.15

ANNEX B TEST SETUP PHOTOS

Please refer the document “NII Test setup photo.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “EUT EXTERNAL PHOTOS.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “EUT INTERNAL PHOTOS.PDF”.

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