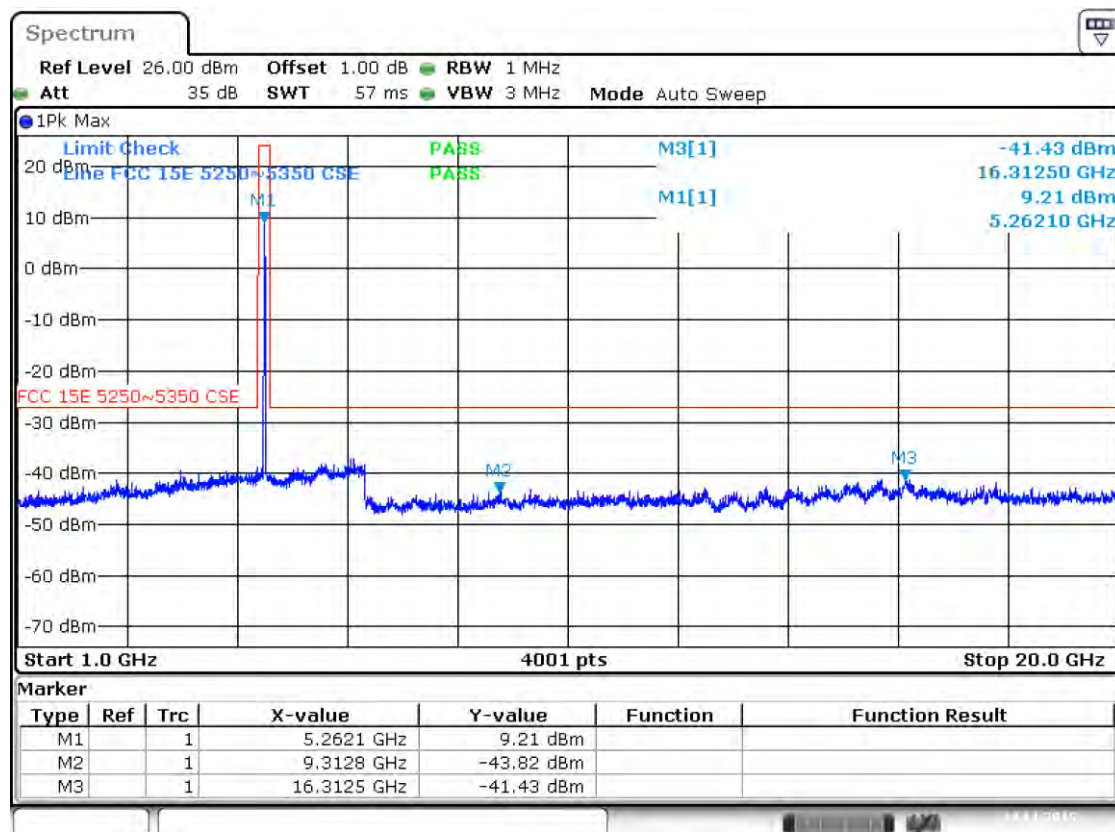


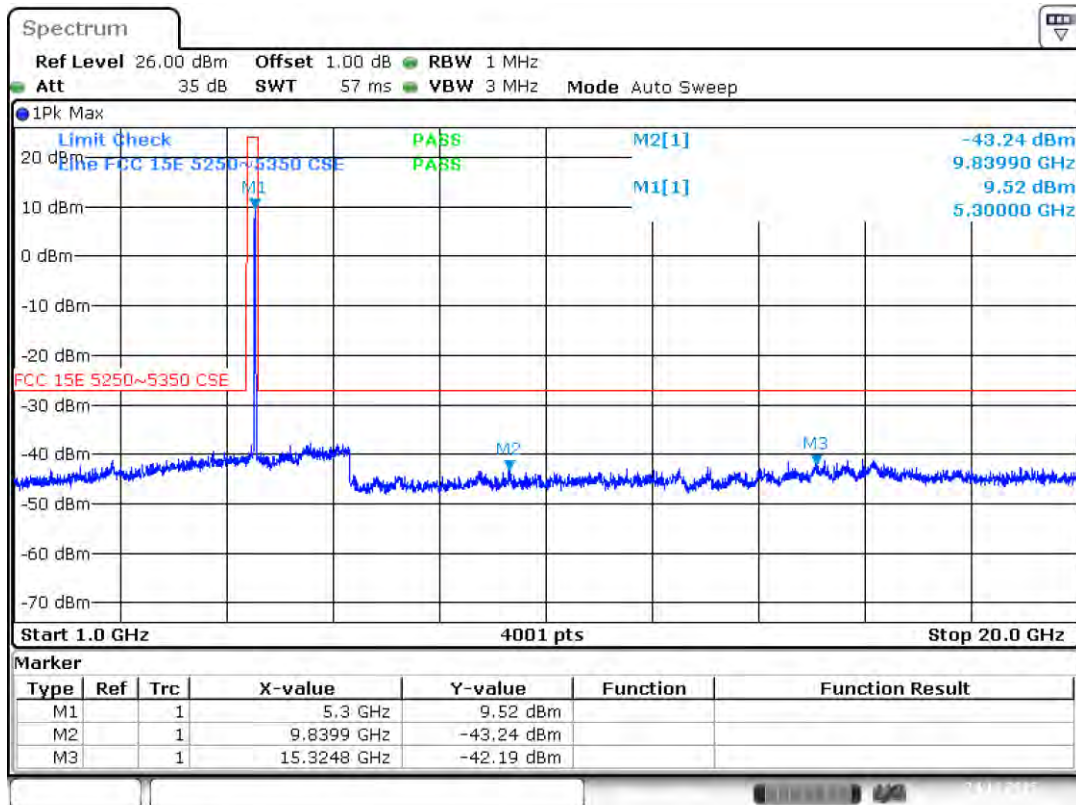
Date: 24.NOV.2015 18:00:06

Band II 11n(HT20) CH52 (1 ~ 20 GHz)



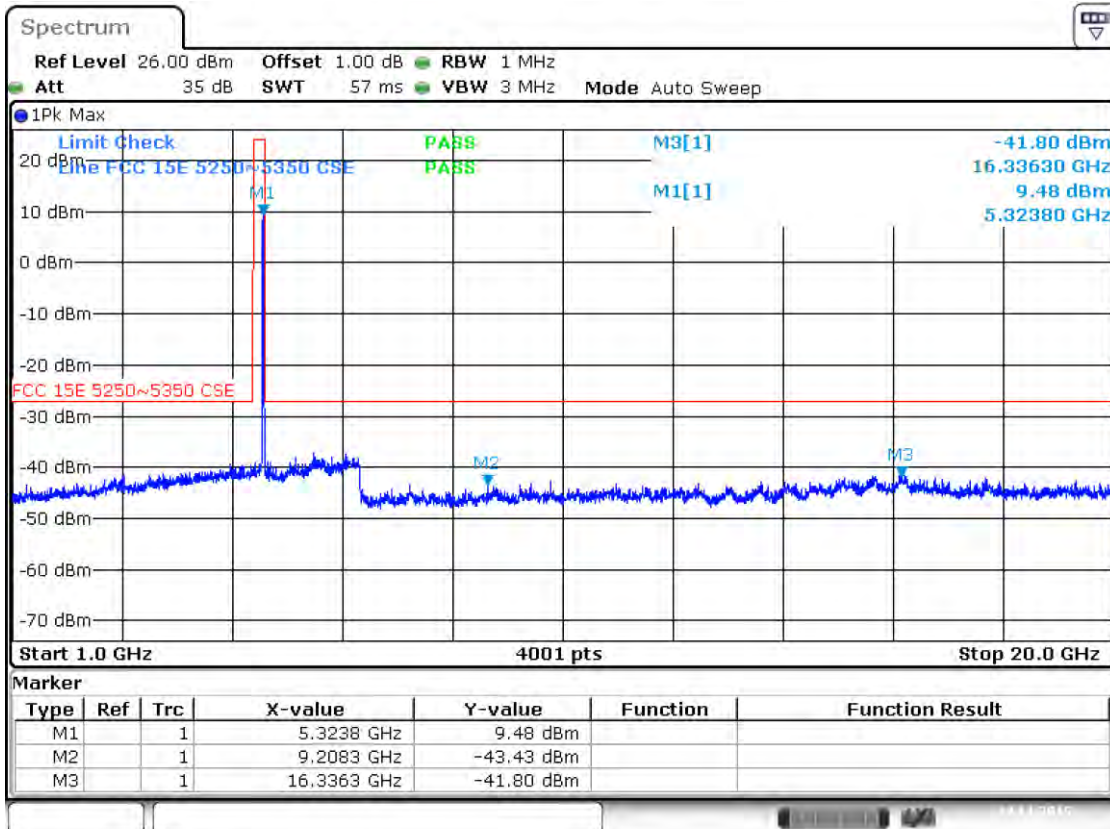
Date: 24.NOV.2015 18:23:48

Band II 11n(HT20) CH60 (1 ~ 20 GHz)



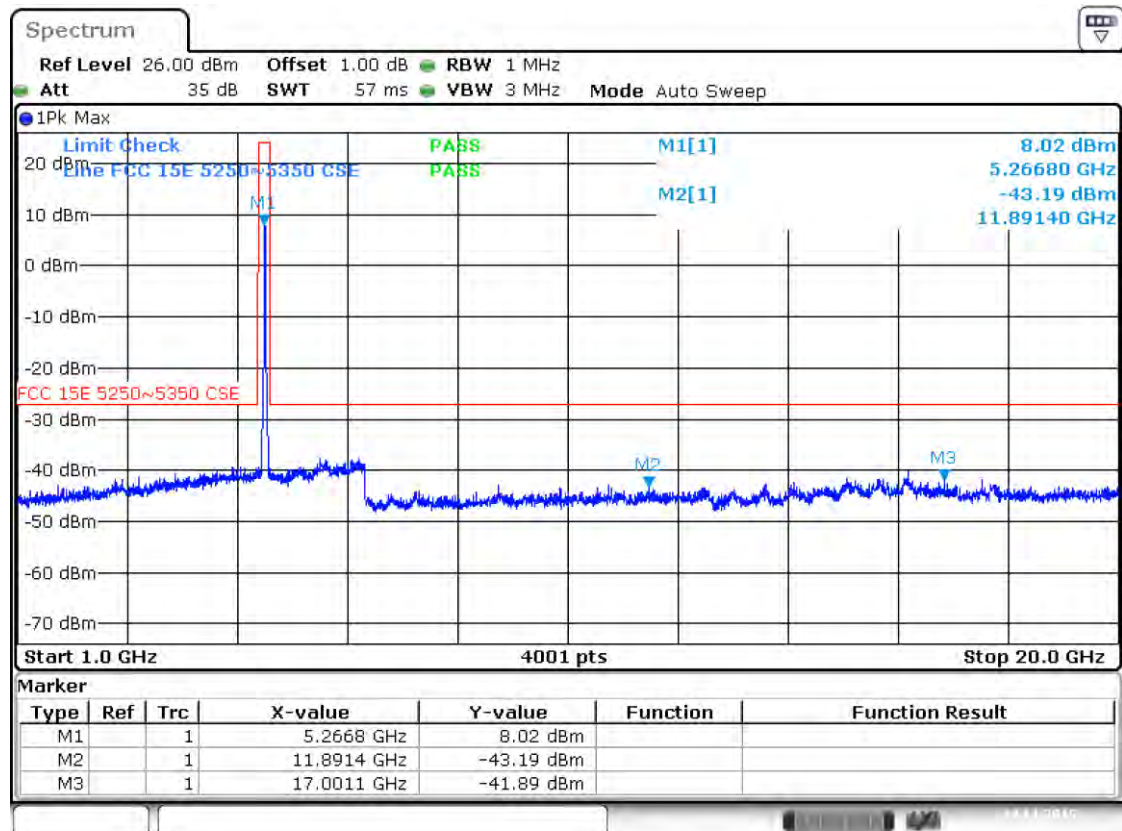
Date: 24.NOV.2015 18:25:32

Band II 11n(HT20) CH64 (1 ~ 20 GHz)



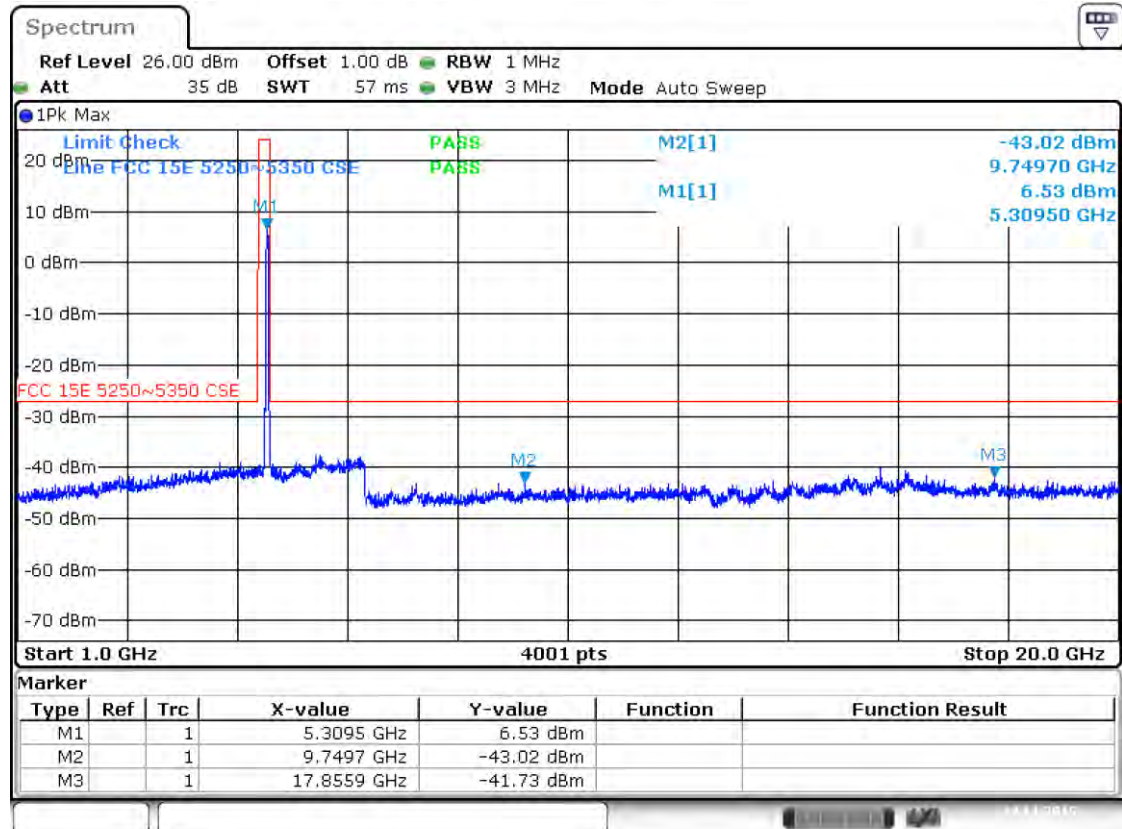
Date: 24.NOV.2015 18:26:53

Band II 11n(HT40) CH54 (1 ~ 20 GHz)



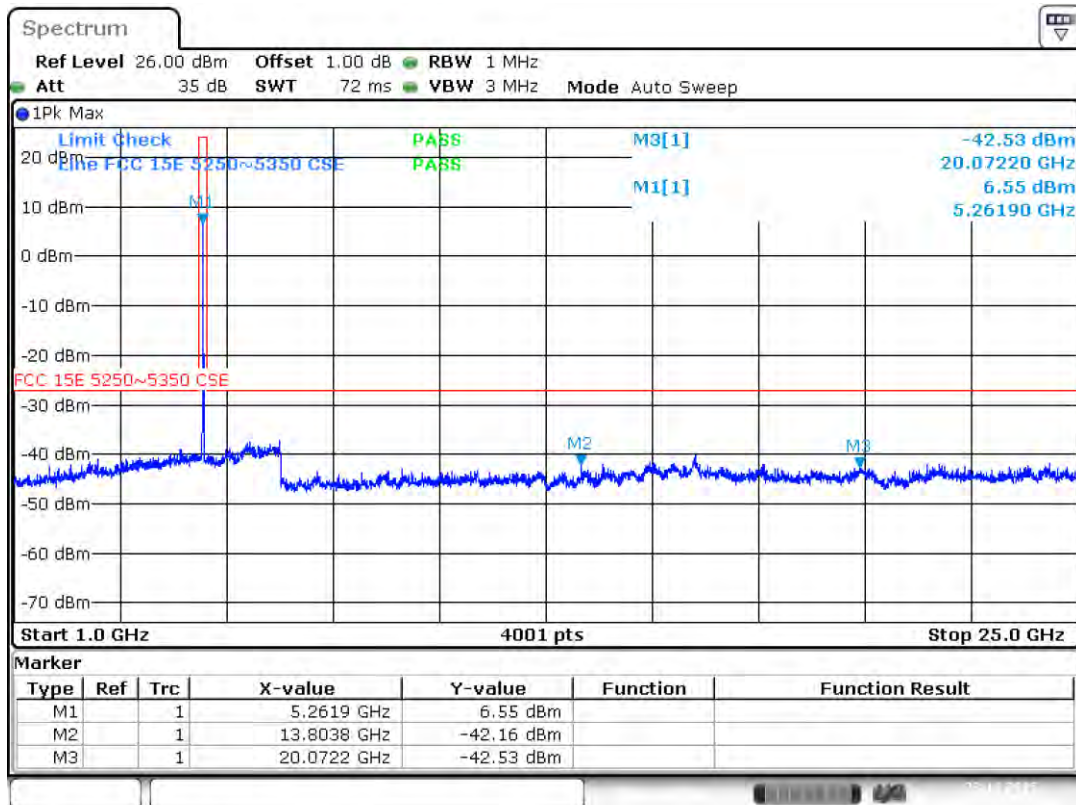
Date: 24.NOV.2015 19:02:34

Band II 11n(HT40) CH62 (1 ~ 20 GHz)



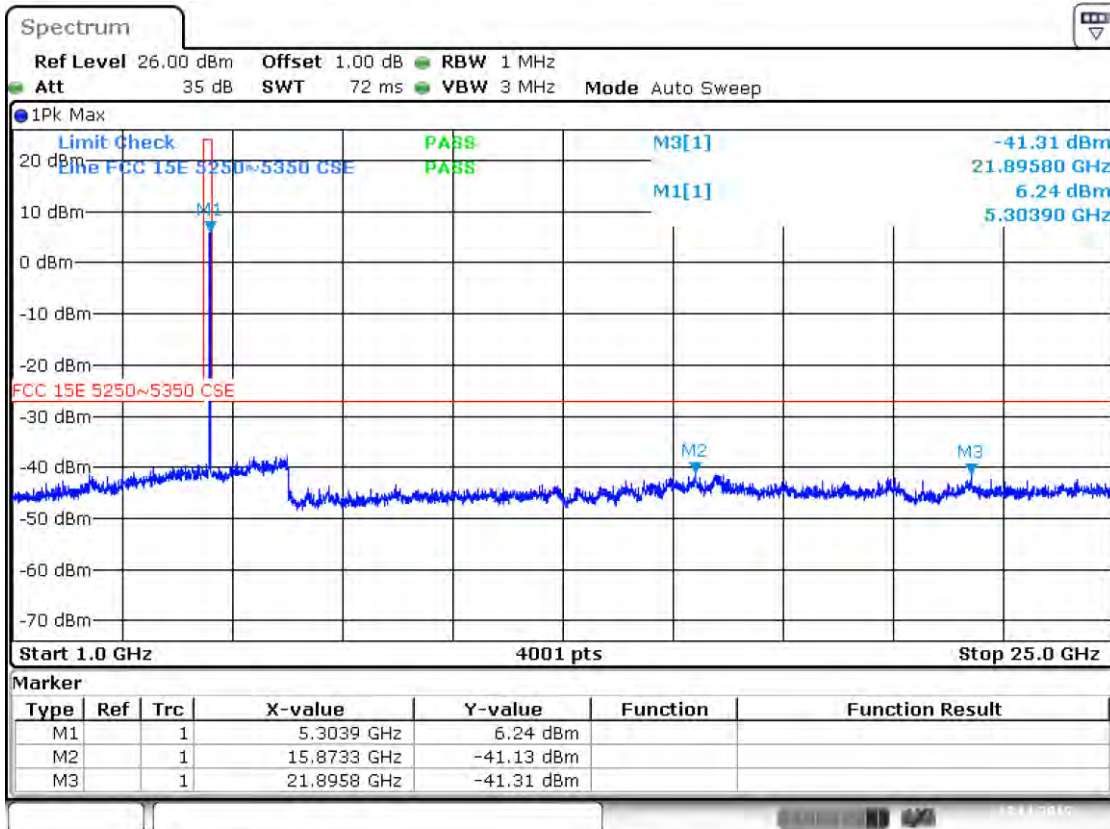
Date: 24.NOV.2015 19:04:04

Band II 11ac(HT20) CH52 (1 ~ 20 GHz)



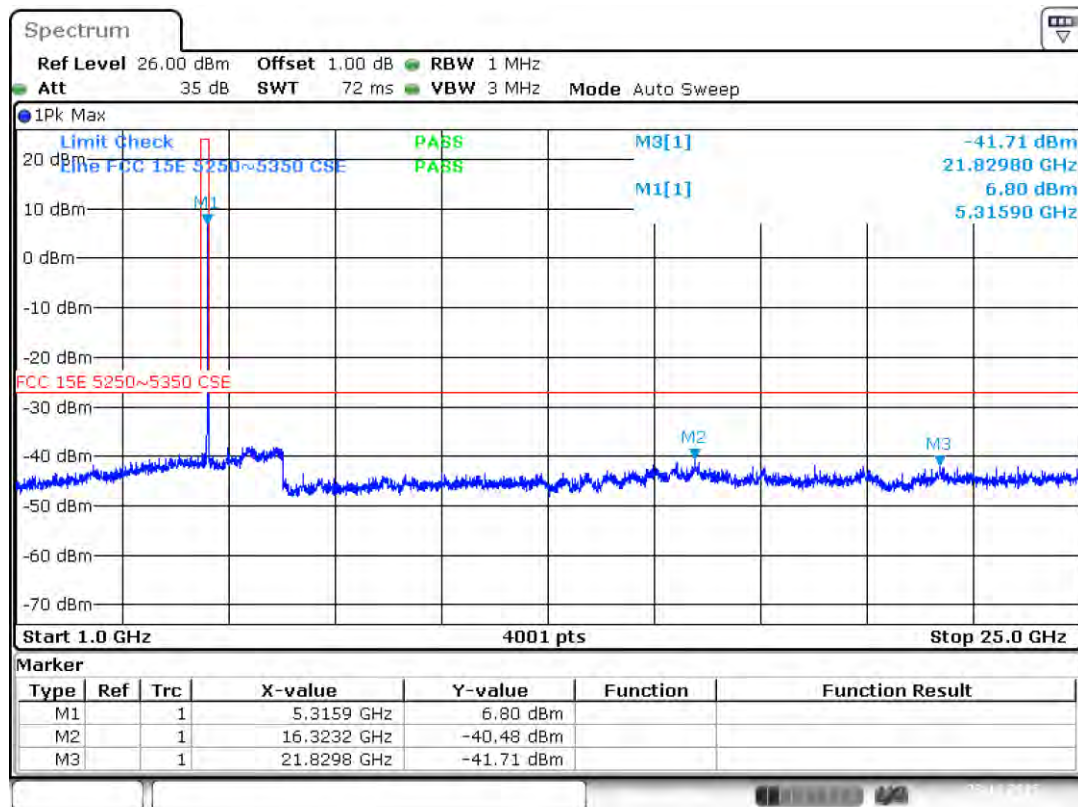
Date: 23.NOV.2015 15:10:20

Band II 11ac(HT20) CH60 (1 ~ 20 GHz)



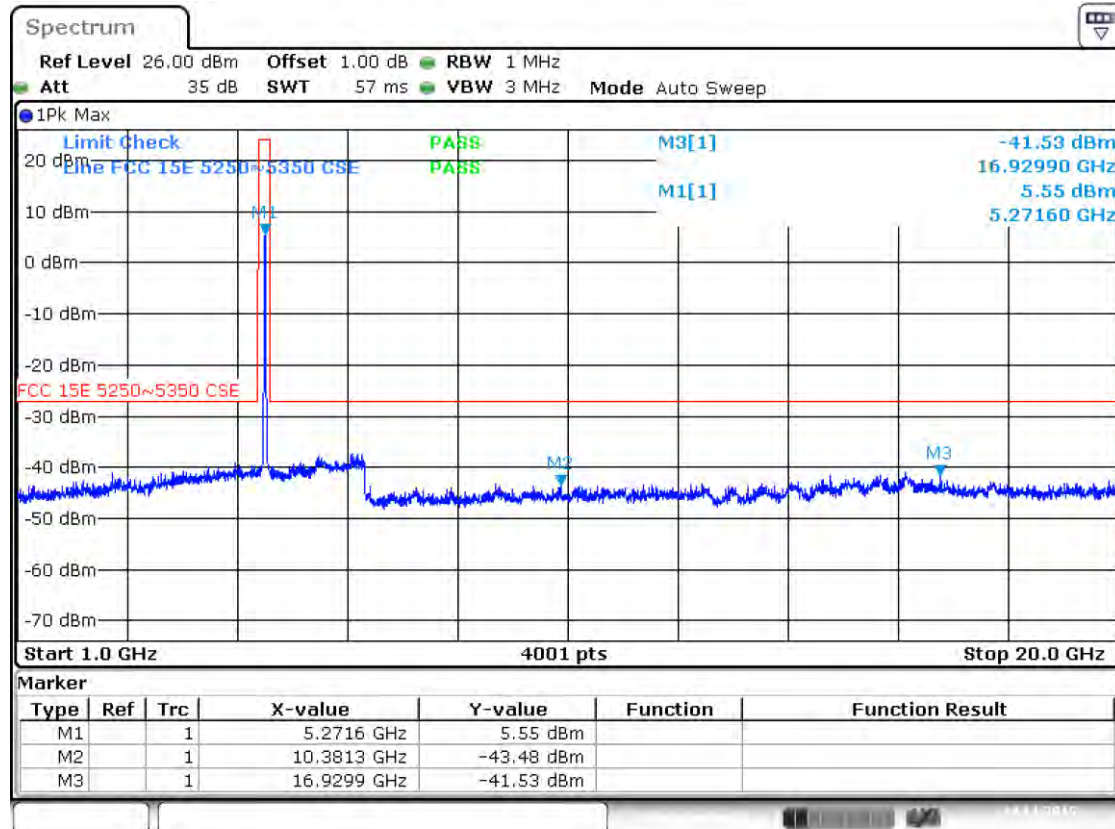
Date: 23.NOV.2015 15:12:29

Band II 11ac(HT20) CH64 (1 ~ 20 GHz)



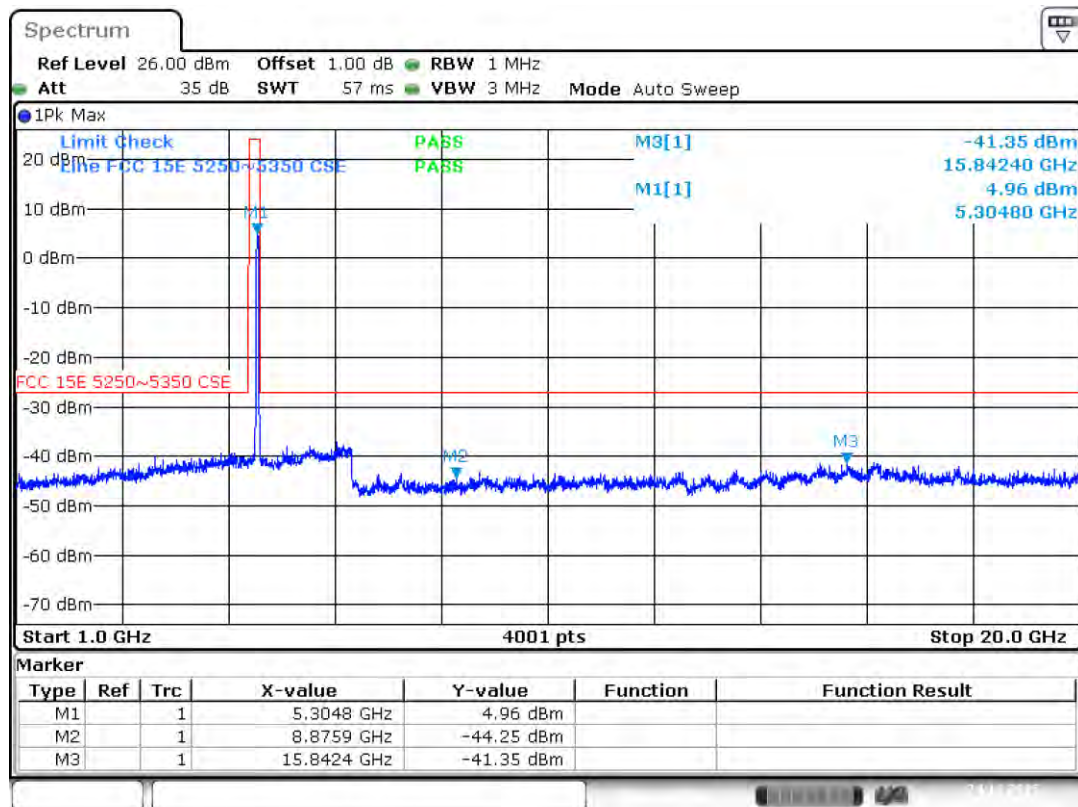
Date: 23.NOV.2015 15:14:07

Band II 11ac(HT40) CH54 (1 ~ 20 GHz)



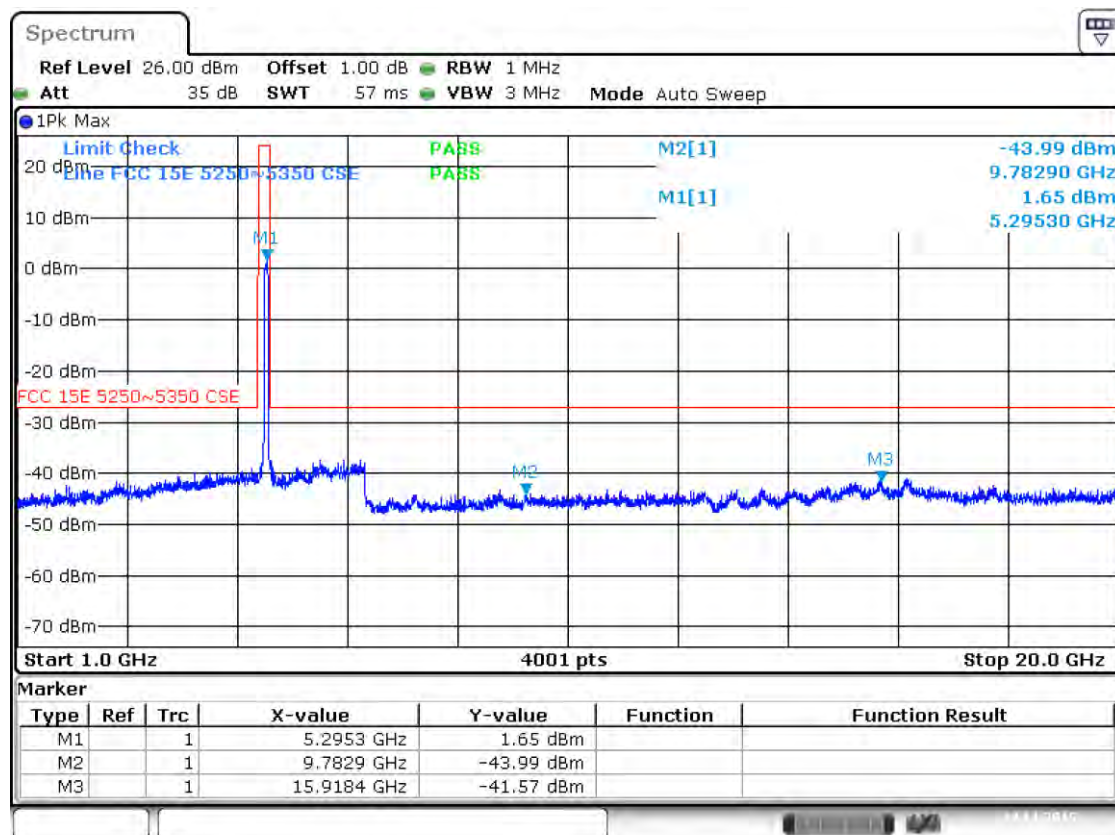
Date: 24.NOV.2015 18:49:08

Band II 11ac(HT40) CH62 (1 ~ 20 GHz)



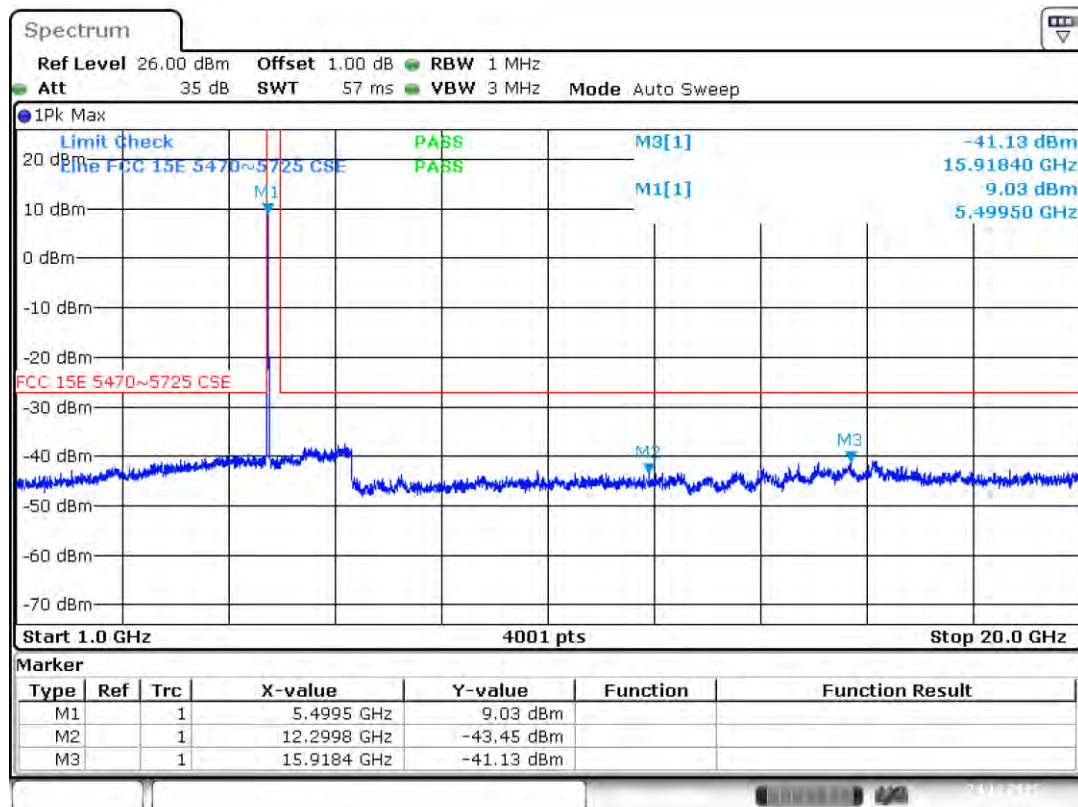
Date: 24.NOV.2015 18:51:20

Band II 11ac(HT80) CH58 (1 ~ 20 GHz)



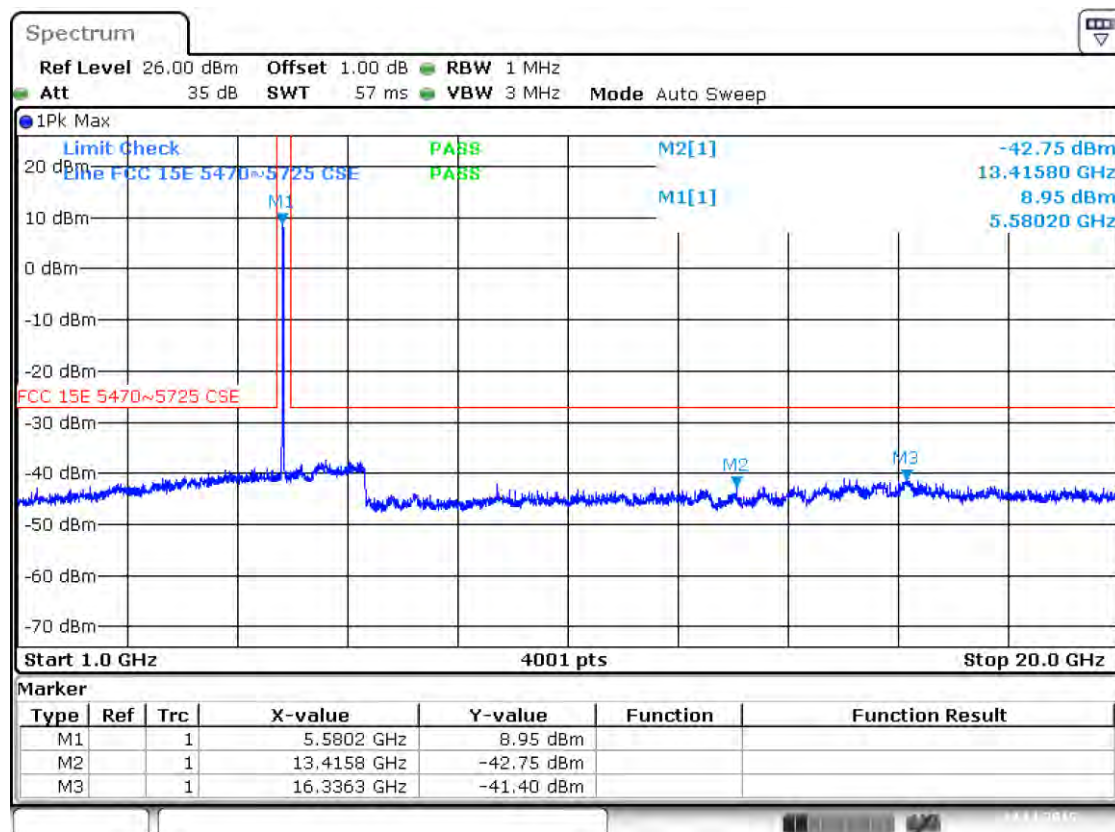
Date: 24.NOV.2015 19:14:50

Band III 11a CH100 (1 ~ 20 GHz)



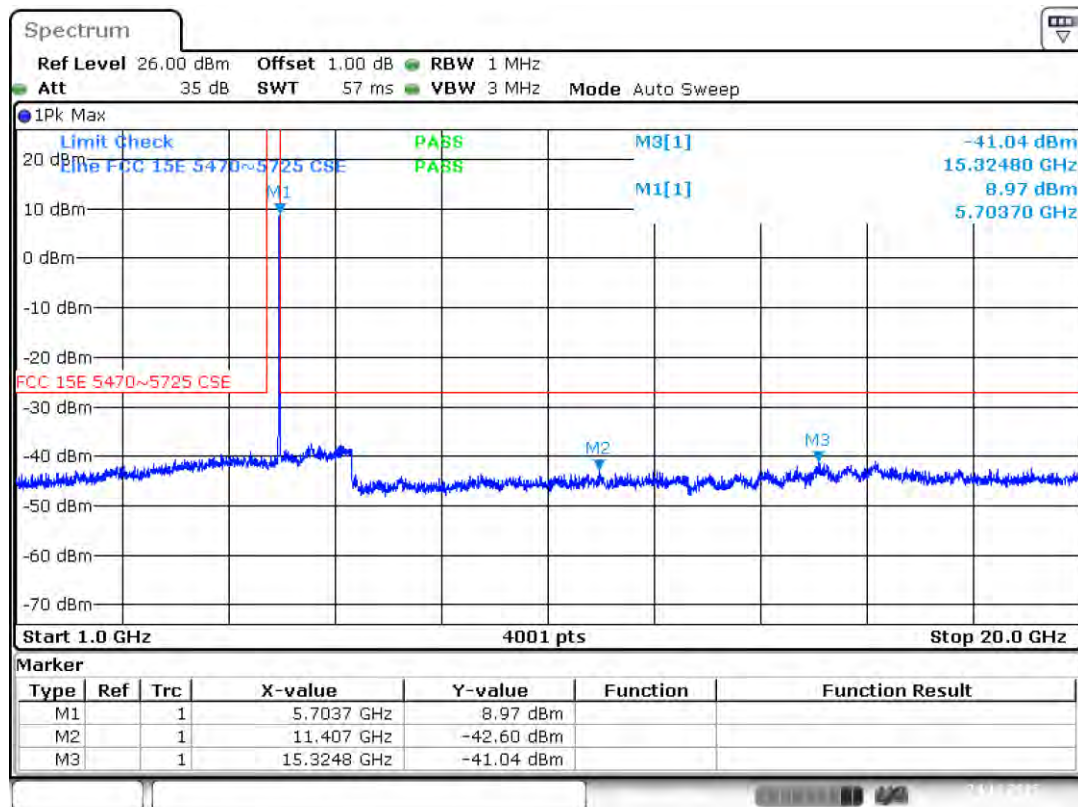
Date: 24.NOV.2015 18:01:51

Band III 11a CH116 (1 ~ 20 GHz)



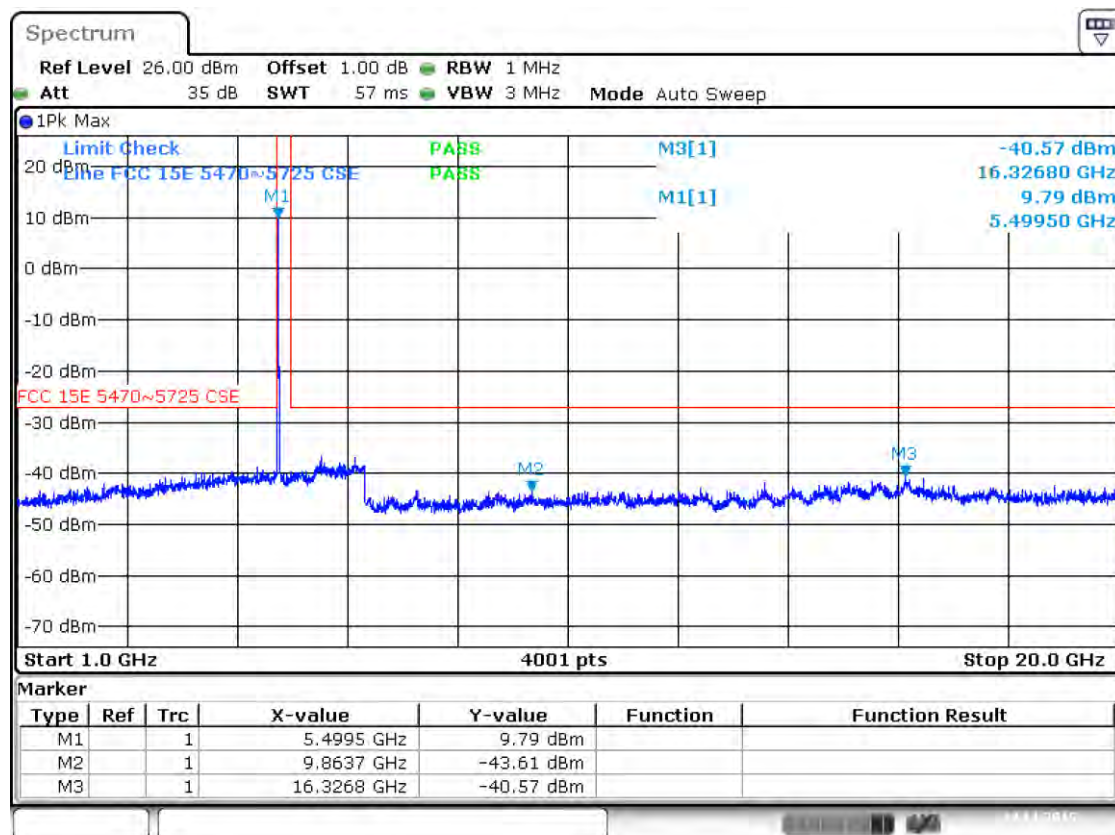
Date: 24.NOV.2015 18:03:39

Band III 11a CH140 (1 ~ 20 GHz)



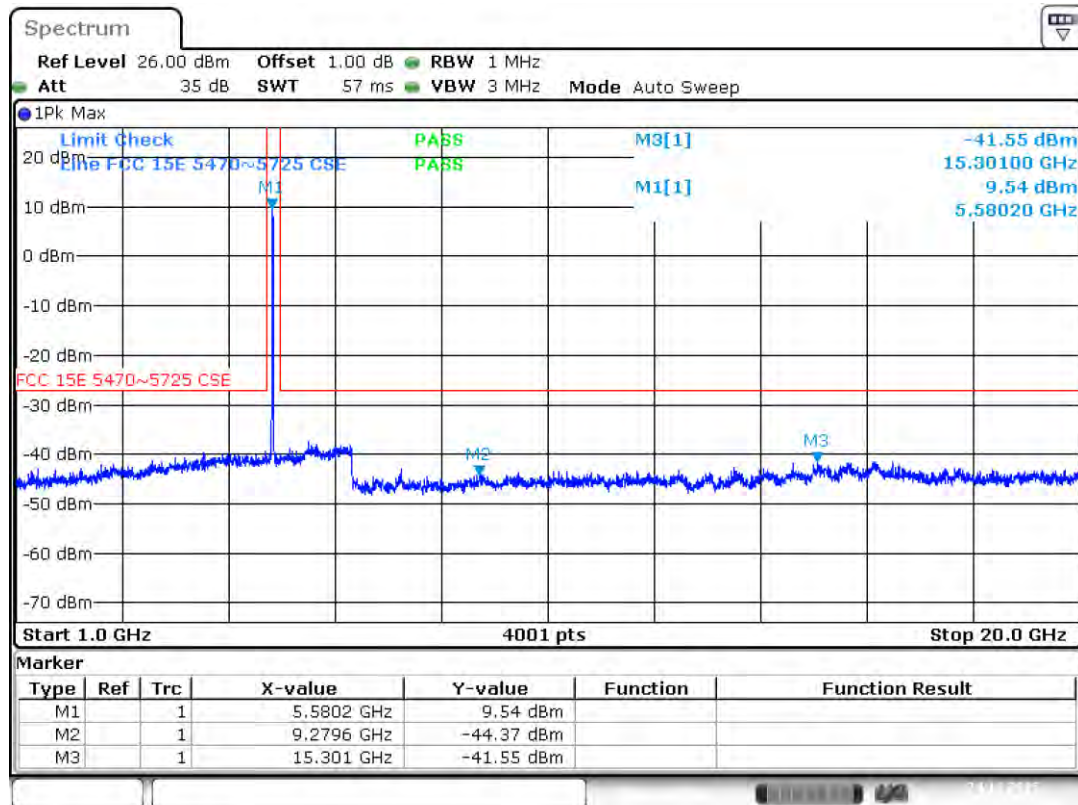
Date: 24.NOV.2015 18:05:25

Band III 11n(HT20) CH100 (1 ~ 20 GHz)



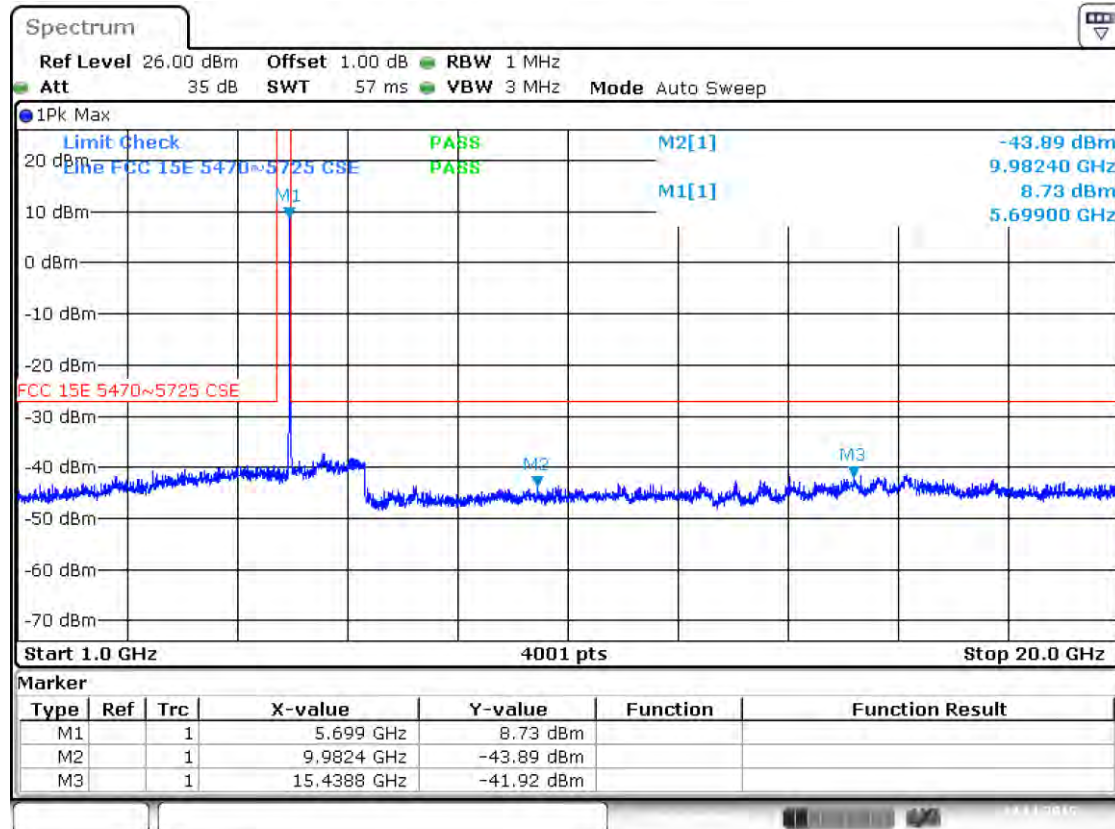
Date: 24.NOV.2015 18:28:43

Band III 11n(HT20) CH116 (1 ~ 20 GHz)



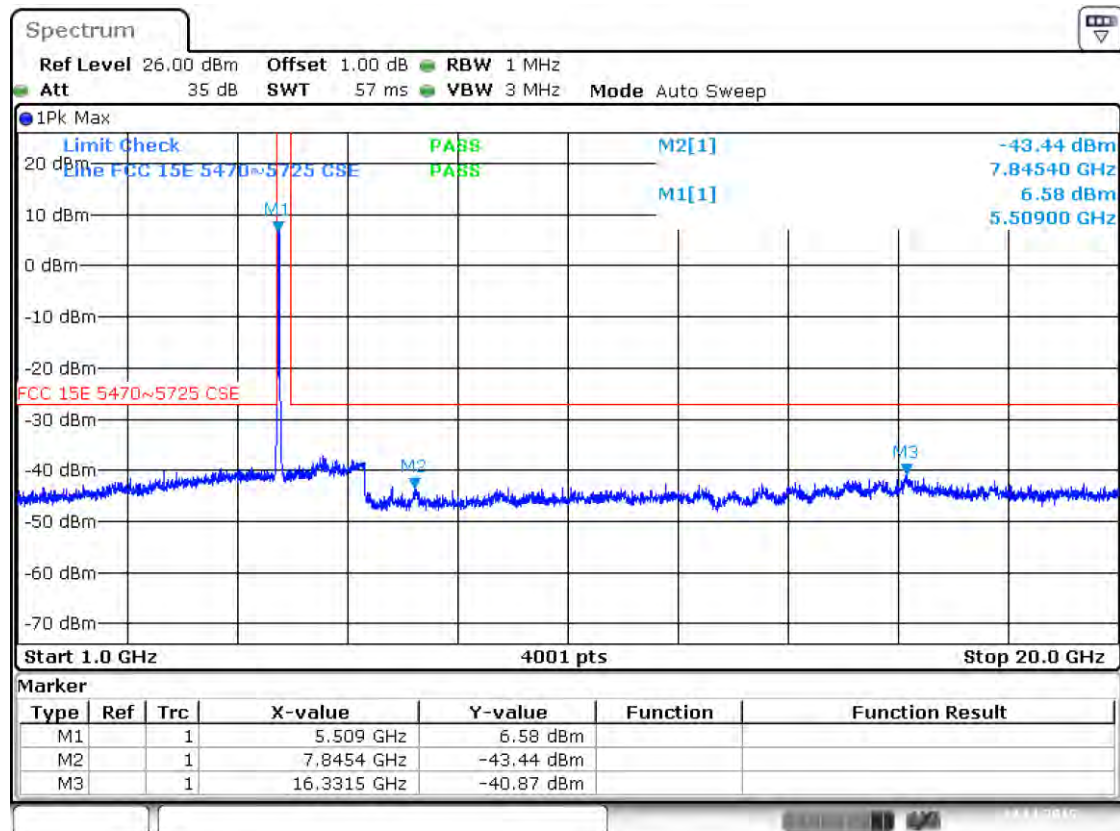
Date: 24.NOV.2015 18:30:05

Band III 11n(HT20) CH140 (1 ~ 20 GHz)



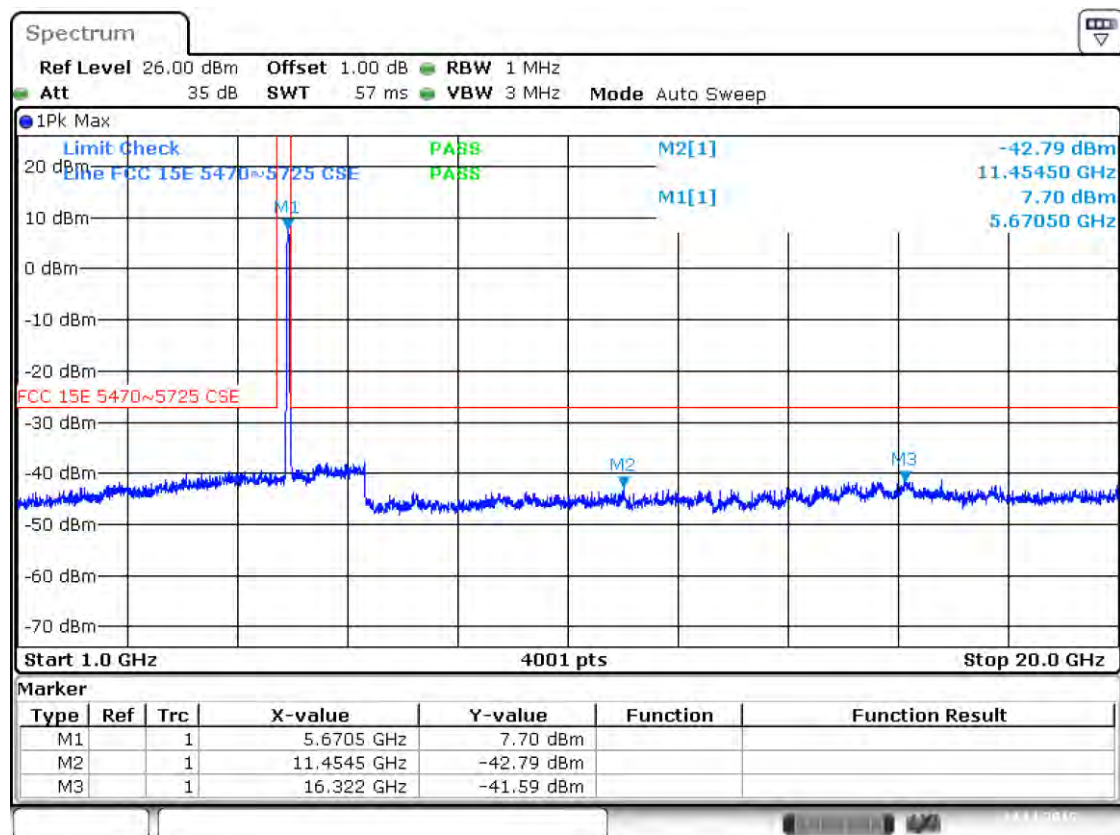
Date: 24.NOV.2015 18:31:29

Band III 11n(HT40) CH102 (1 ~ 20 GHz)



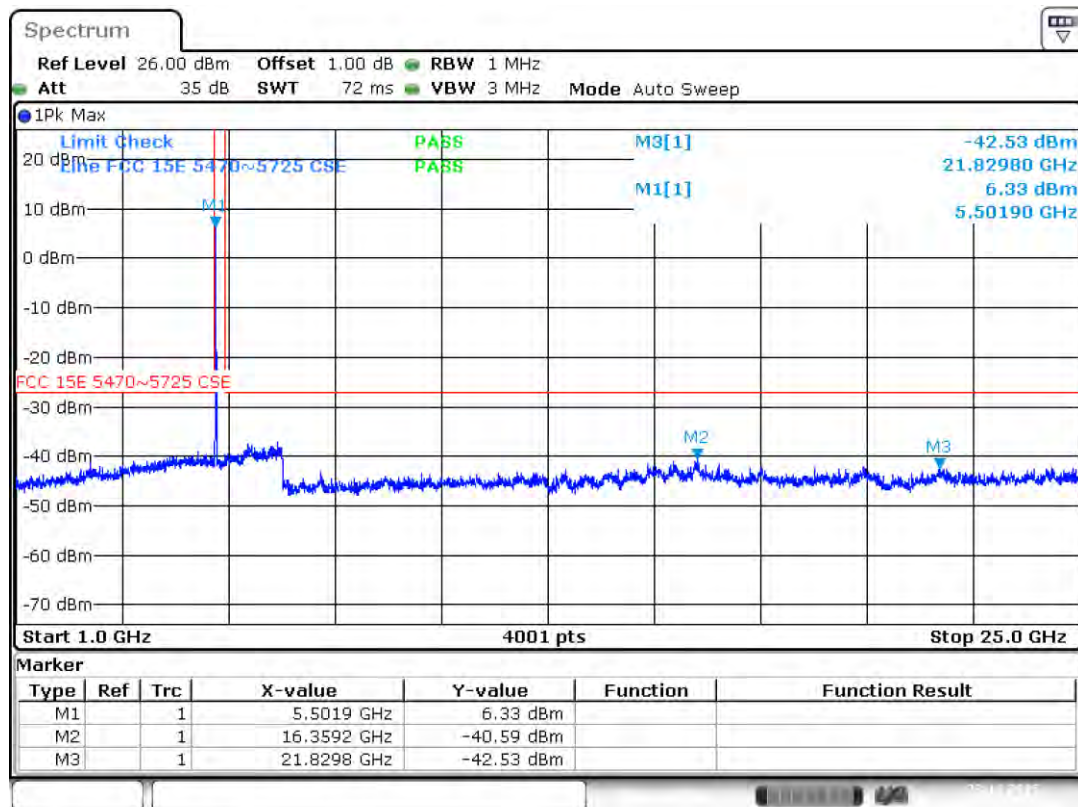
Date: 24.NOV.2015 19:05:35

Band III 11n(HT40) CH134 (1 ~ 20 GHz)



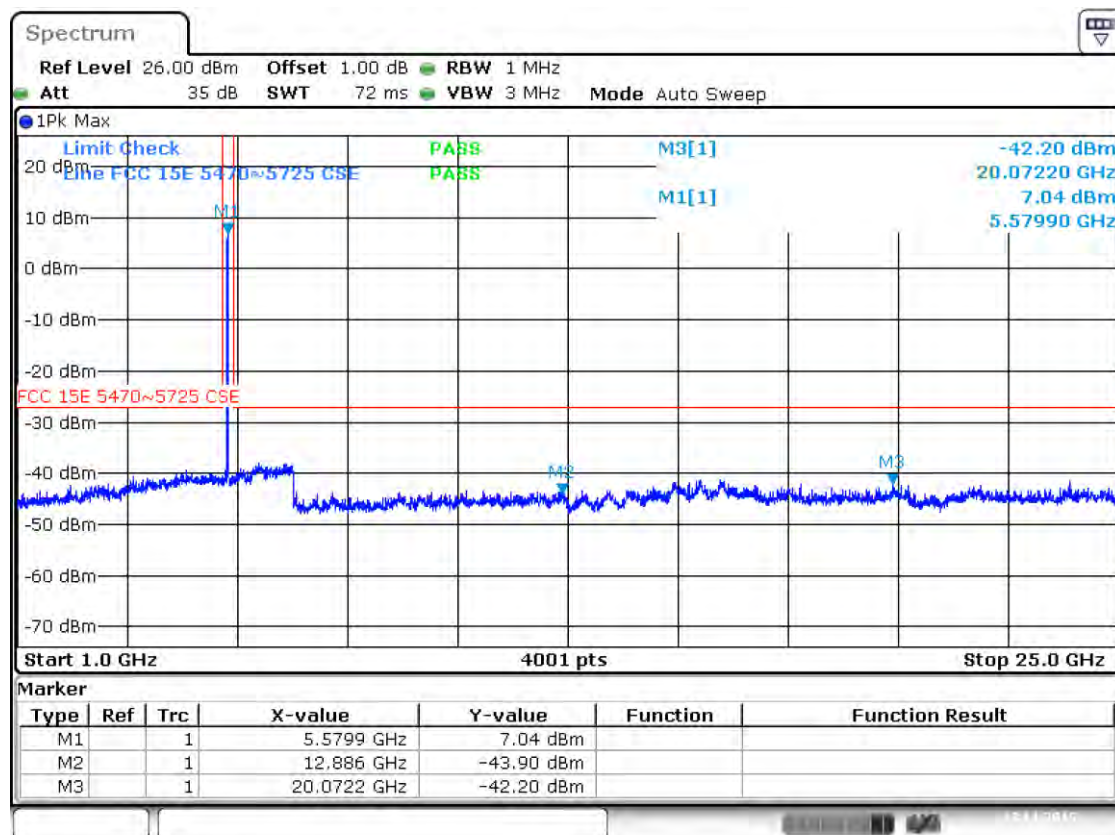
Date: 24.NOV.2015 19:07:12

Band III 11ac(HT20) CH100 (1 ~ 20 GHz)



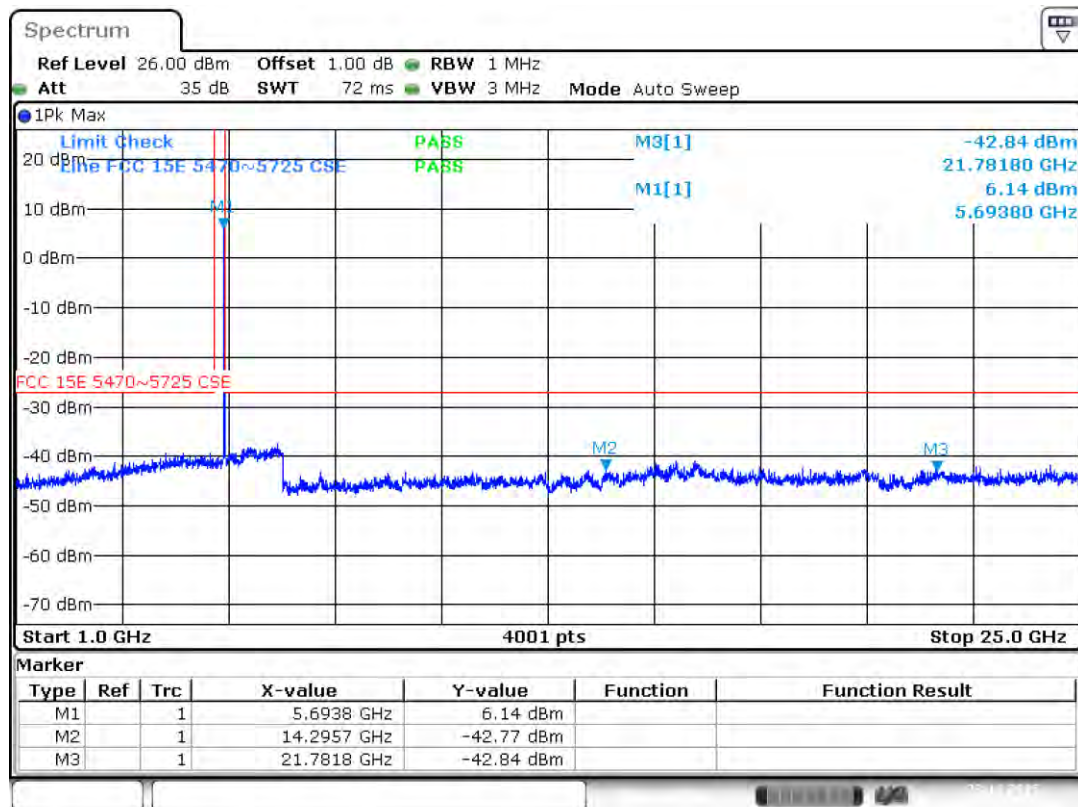
Date: 23.NOV.2015 15:16:04

Band III 11ac(HT20) CH116 (1 ~ 20 GHz)



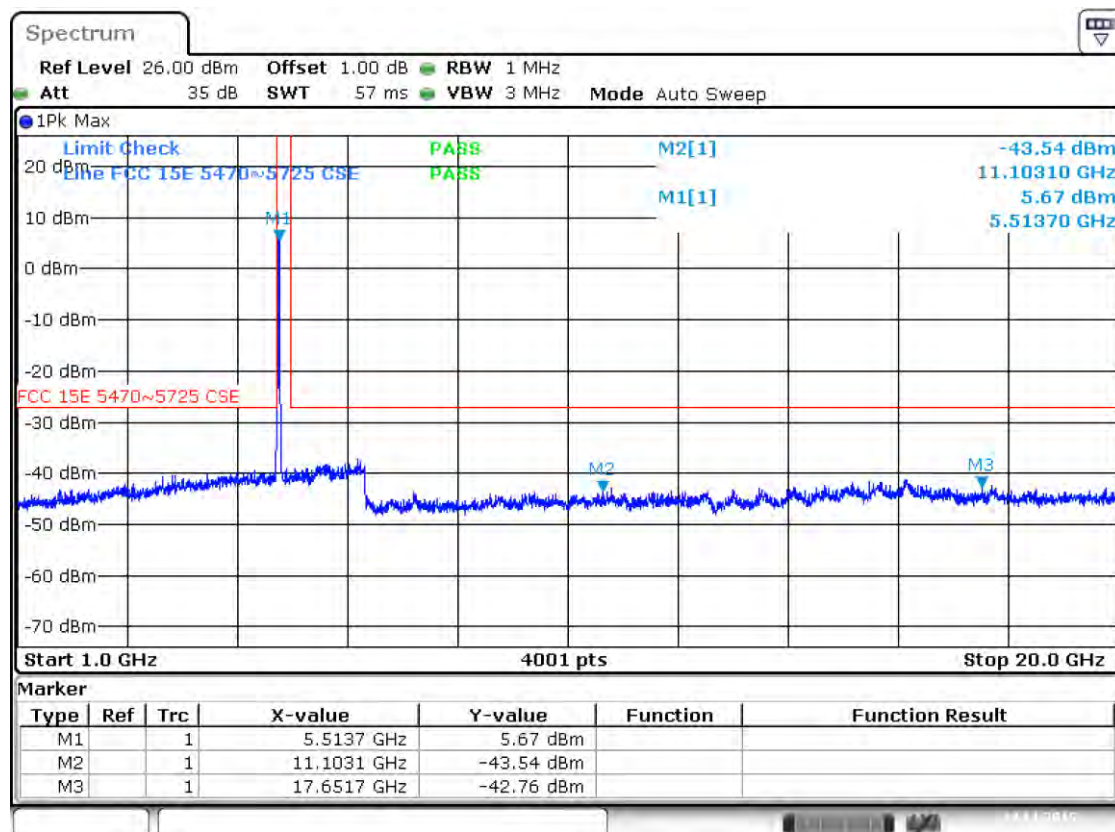
Date: 23.NOV.2015 15:17:34

Band III 11ac(HT20) CH140 (1 ~ 20 GHz)



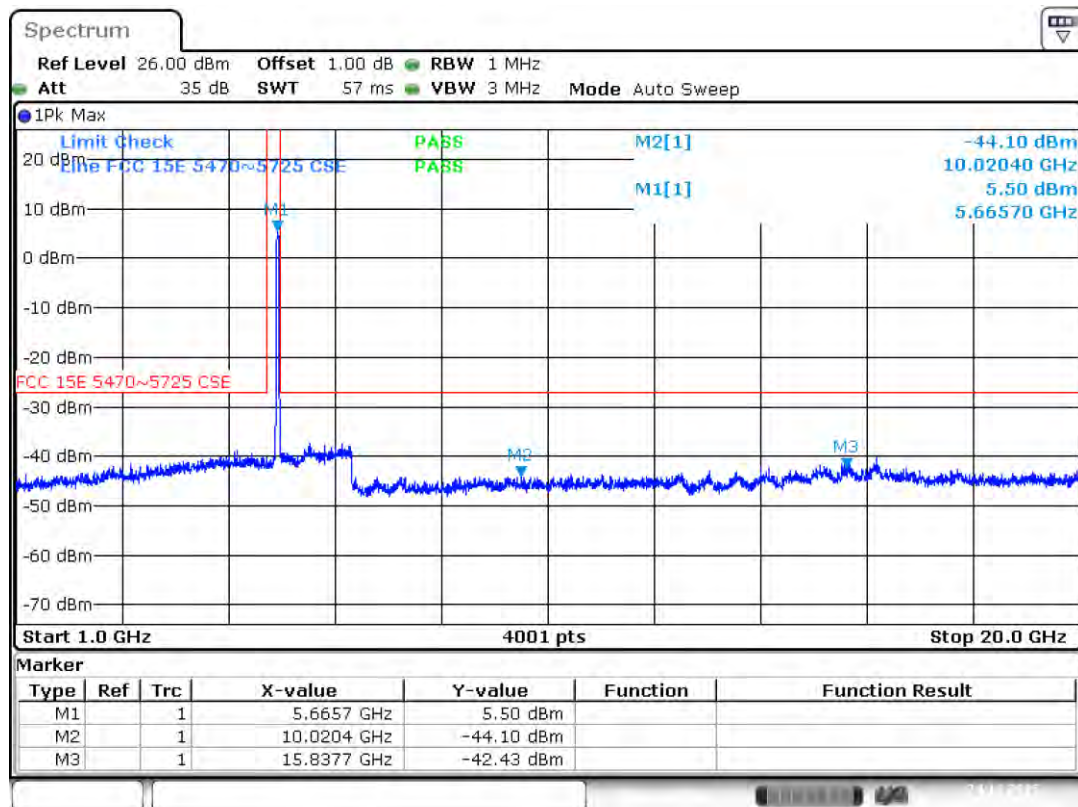
Date: 23.NOV.2015 15:20:18

Band III 11ac(HT40) CH102 (1 ~ 20 GHz)



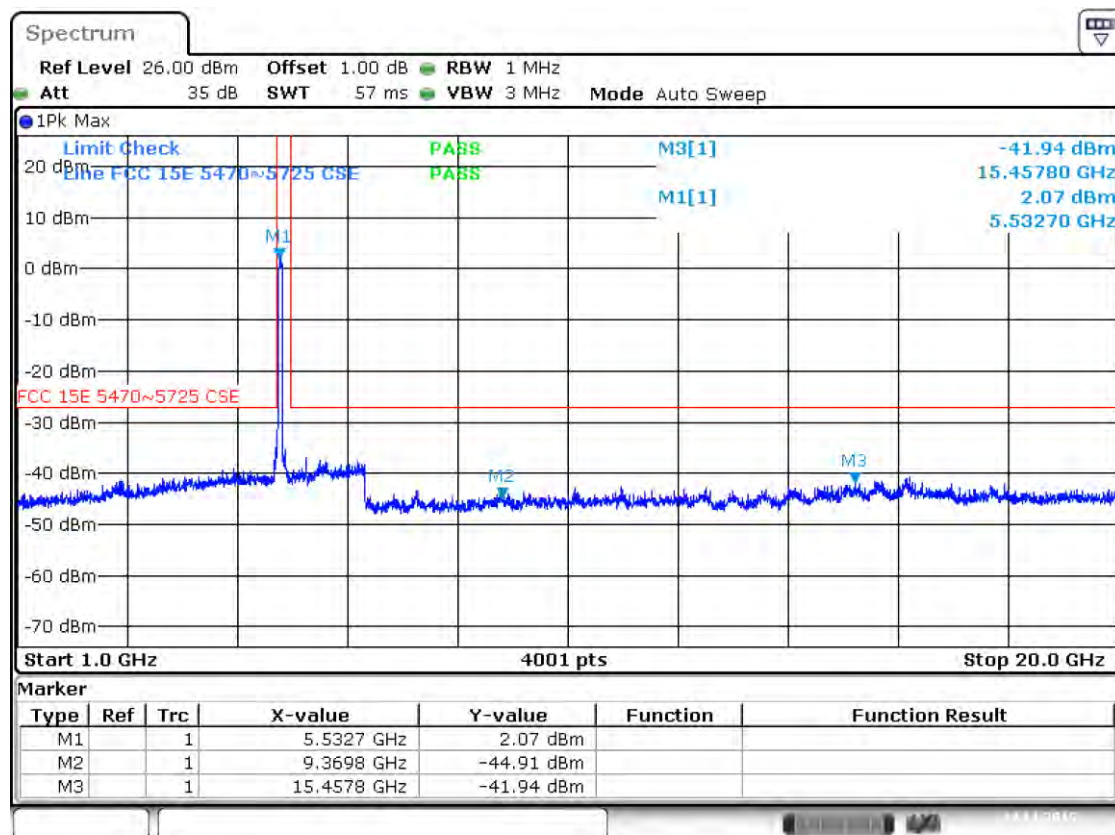
Date: 24.NOV.2015 18:53:04

Band III 11ac(HT40) CH134 (1 ~ 20 GHz)



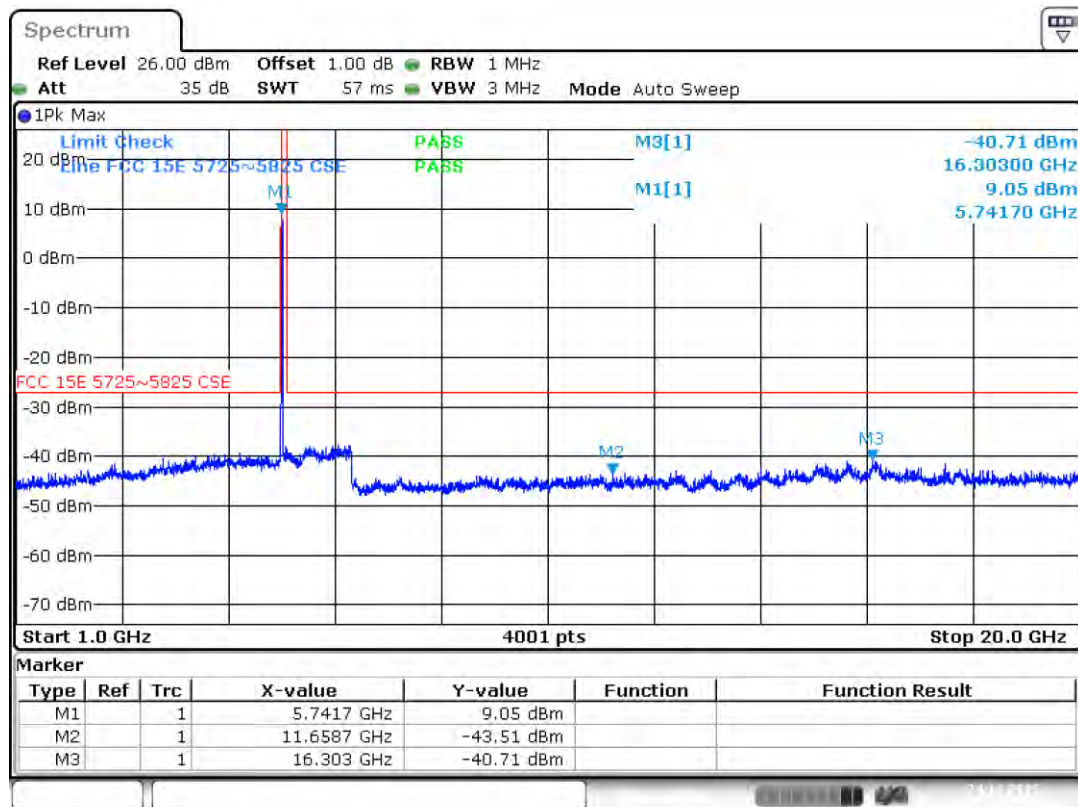
Date: 24.NOV.2015 18:54:27

Band III 11ac(HT80) CH106 (1 ~ 20 GHz)



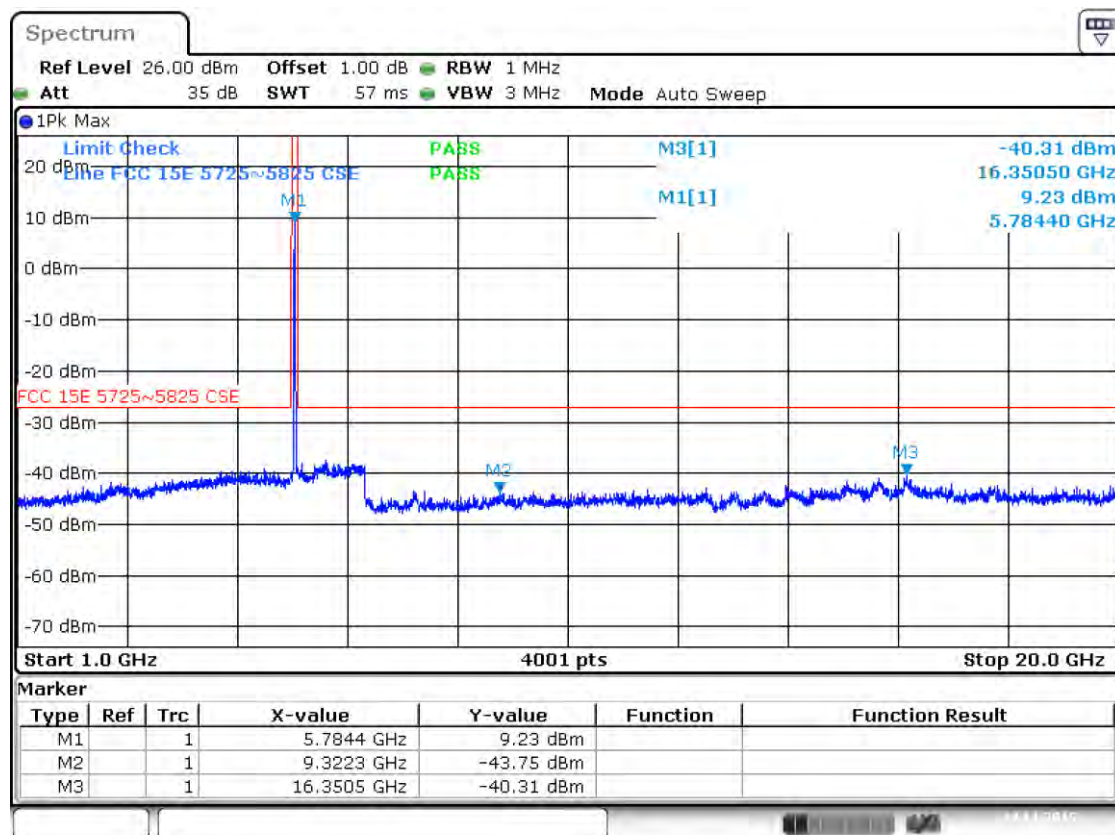
Date: 24.NOV.2015 19:16:42

Band IV 11a CH149 (1 ~ 20 GHz)



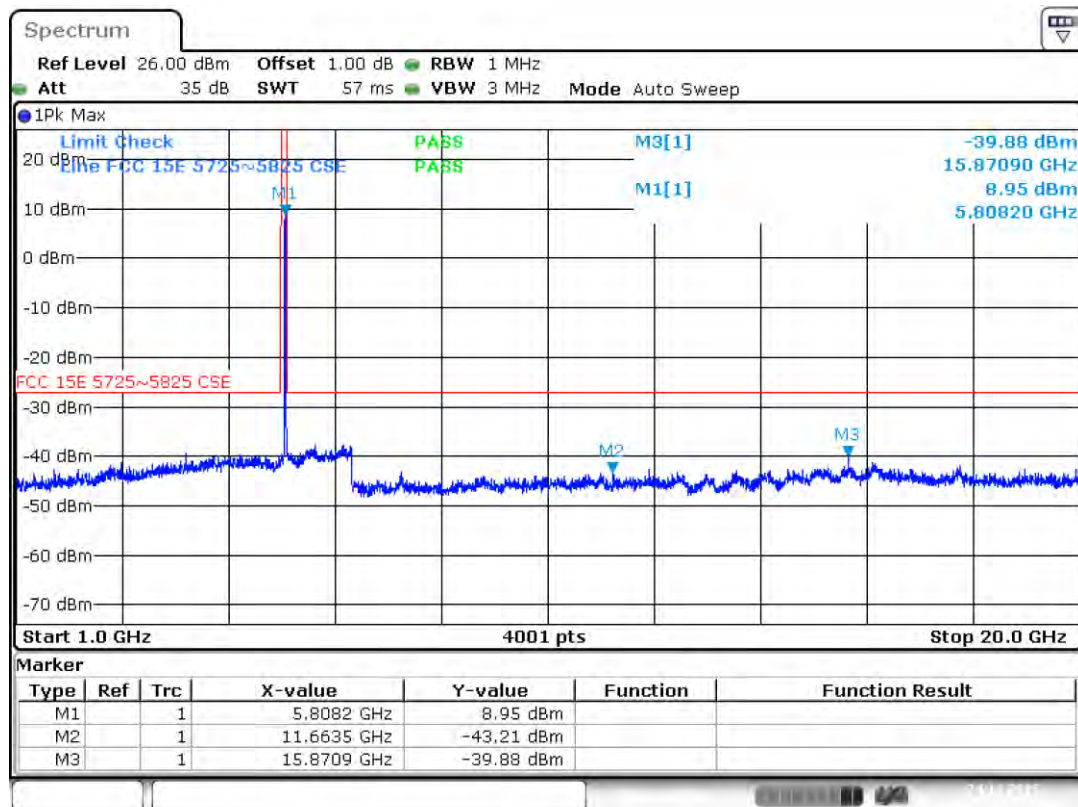
Date: 24.NOV.2015 18:07:51

Band IV 11a CH157 (1 ~ 20 GHz)



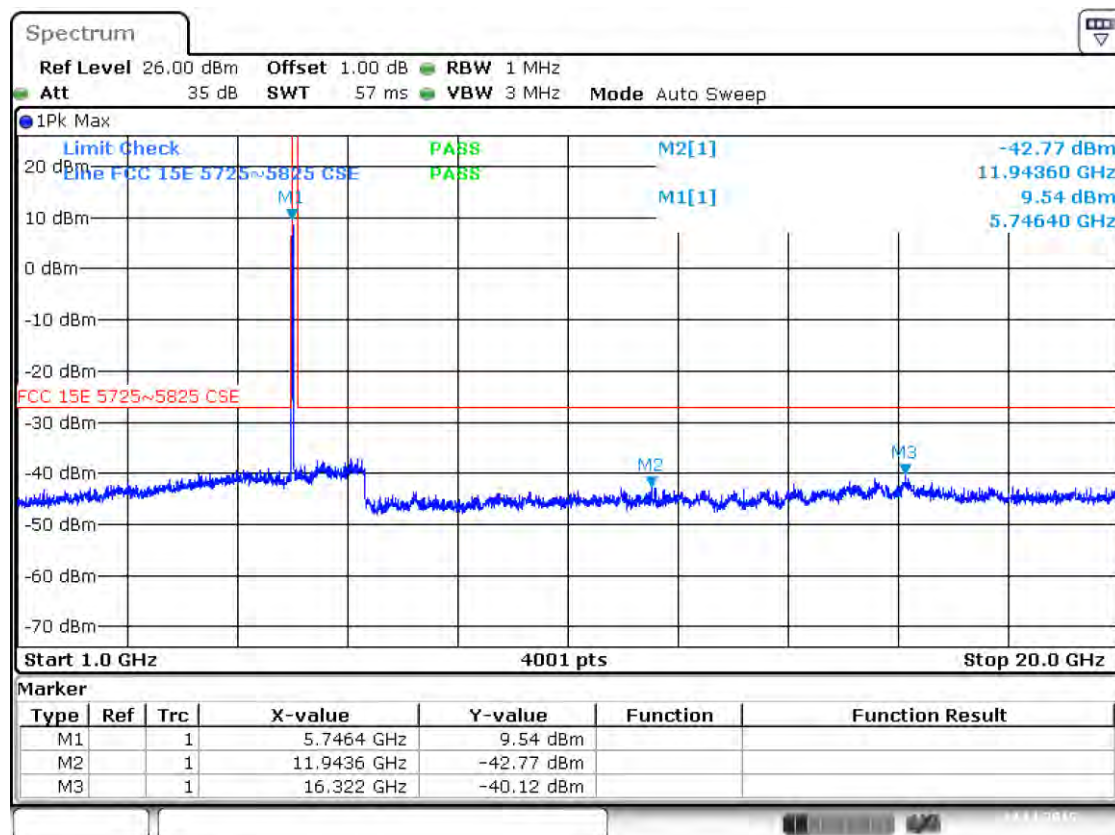
Date: 24.NOV.2015 18:09:42

Band IV 11a CH161 (1 ~ 20 GHz)



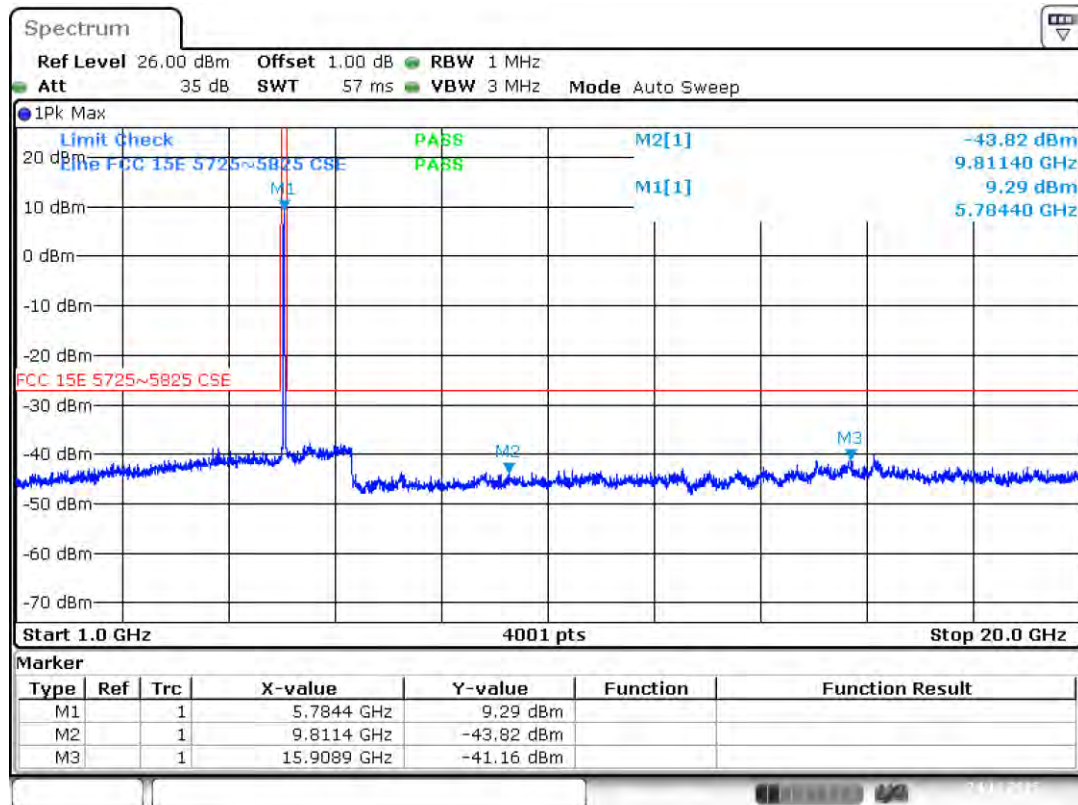
Date: 24.NOV.2015 18:11:07

Band IV 11n(HT20) CH149 (1 ~ 20 GHz)



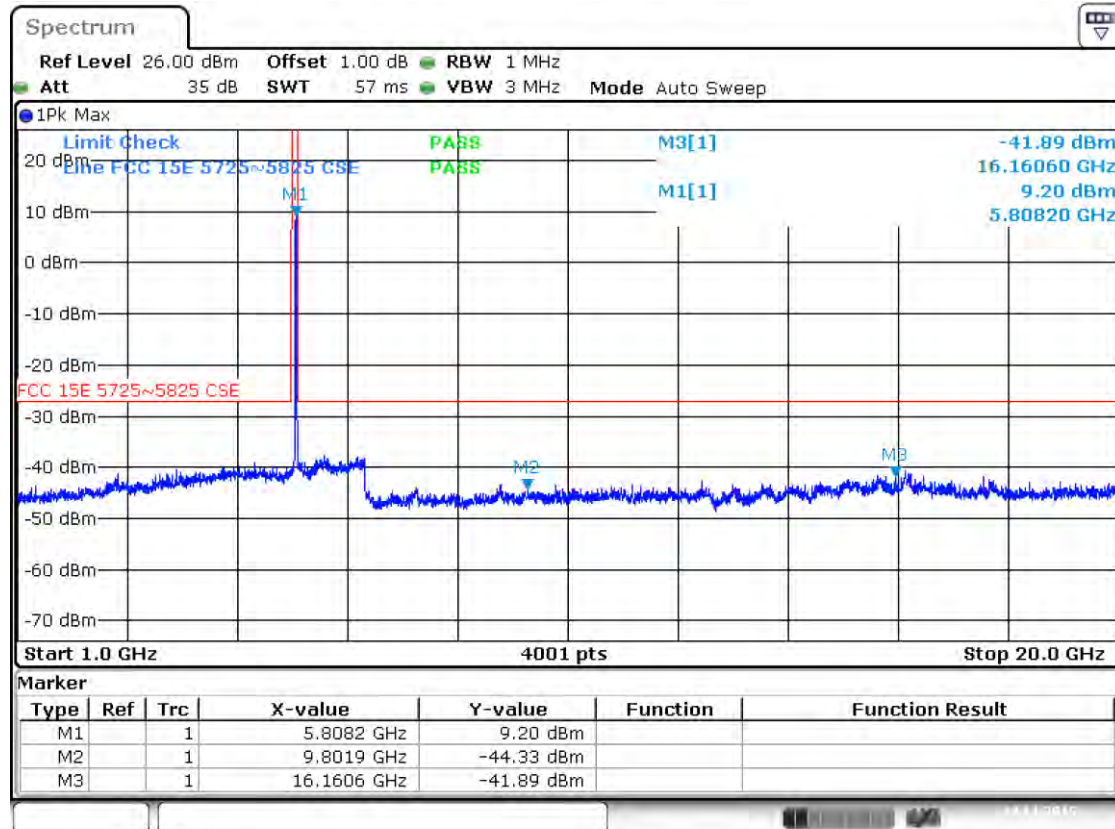
Date: 24.NOV.2015 18:33:45

Band IV 11n(HT20) CH157 (1 ~ 20 GHz)



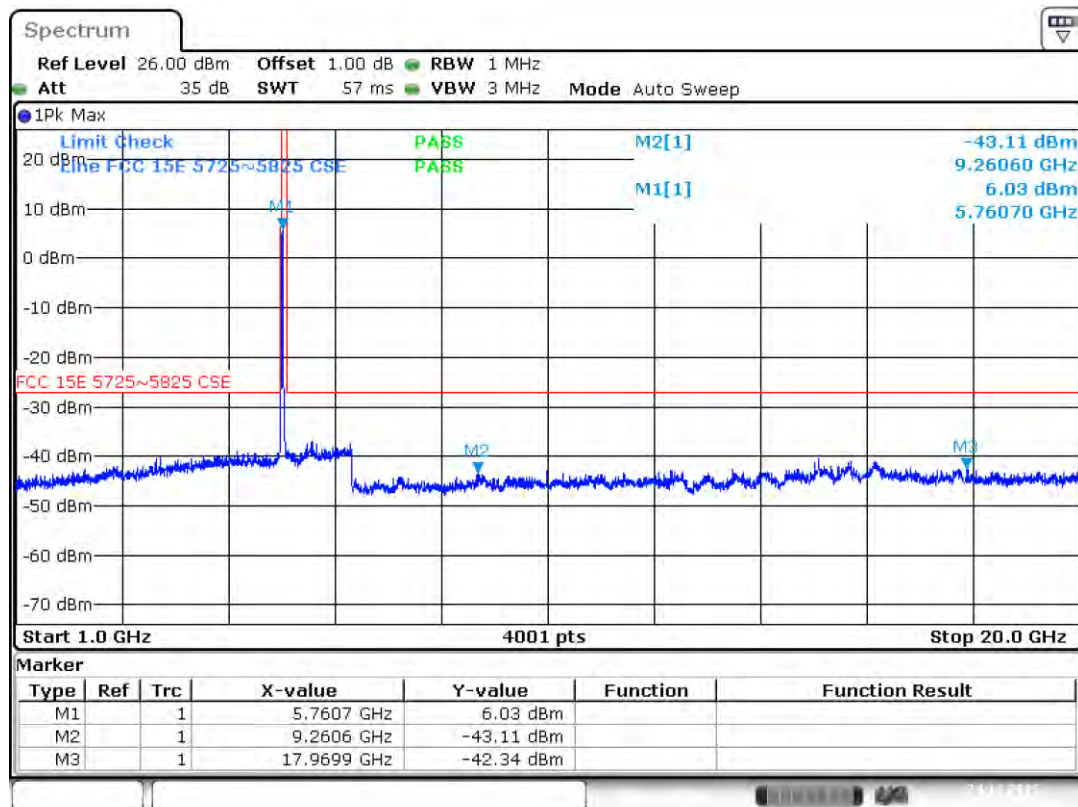
Date: 24.NOV.2015 18:35:16

Band IV 11n(HT20) CH161 (1 ~ 20 GHz)



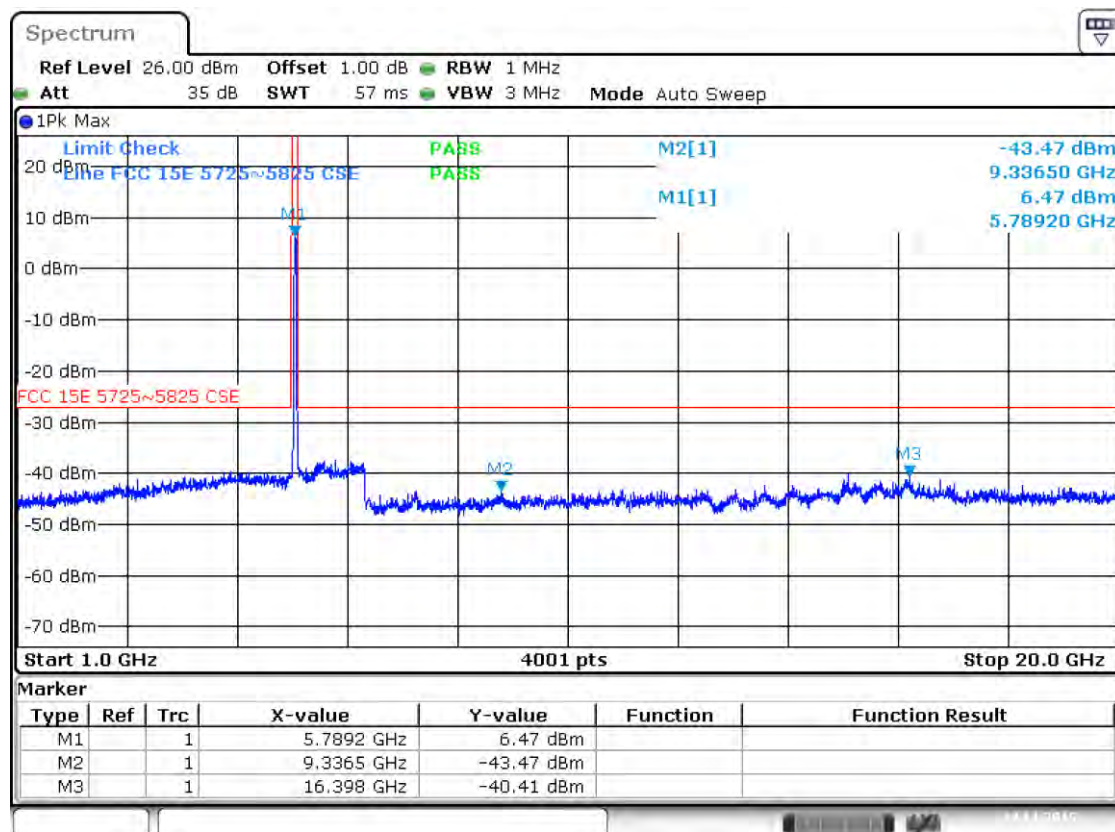
Date: 24.NOV.2015 18:36:39

Band IV 11n(HT40) CH151 (1 ~ 20 GHz)



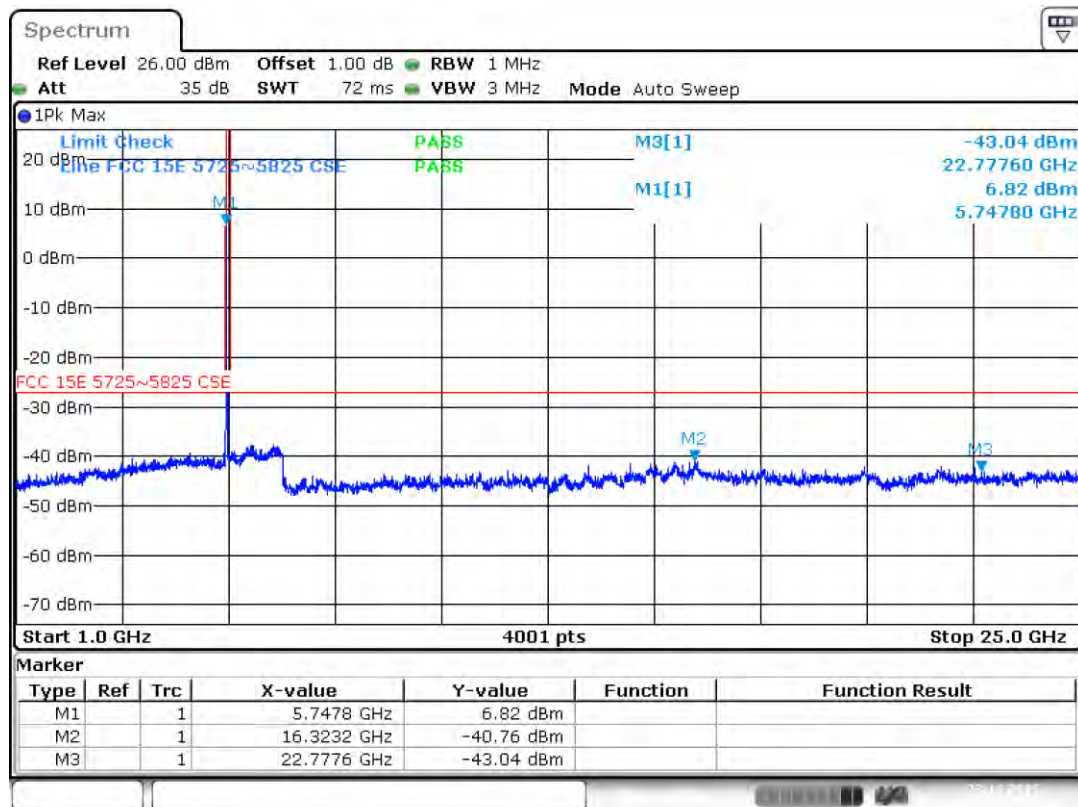
Date: 24.NOV.2015 19:08:55

Band IV 11n(HT40) CH159 (1 ~ 20 GHz)



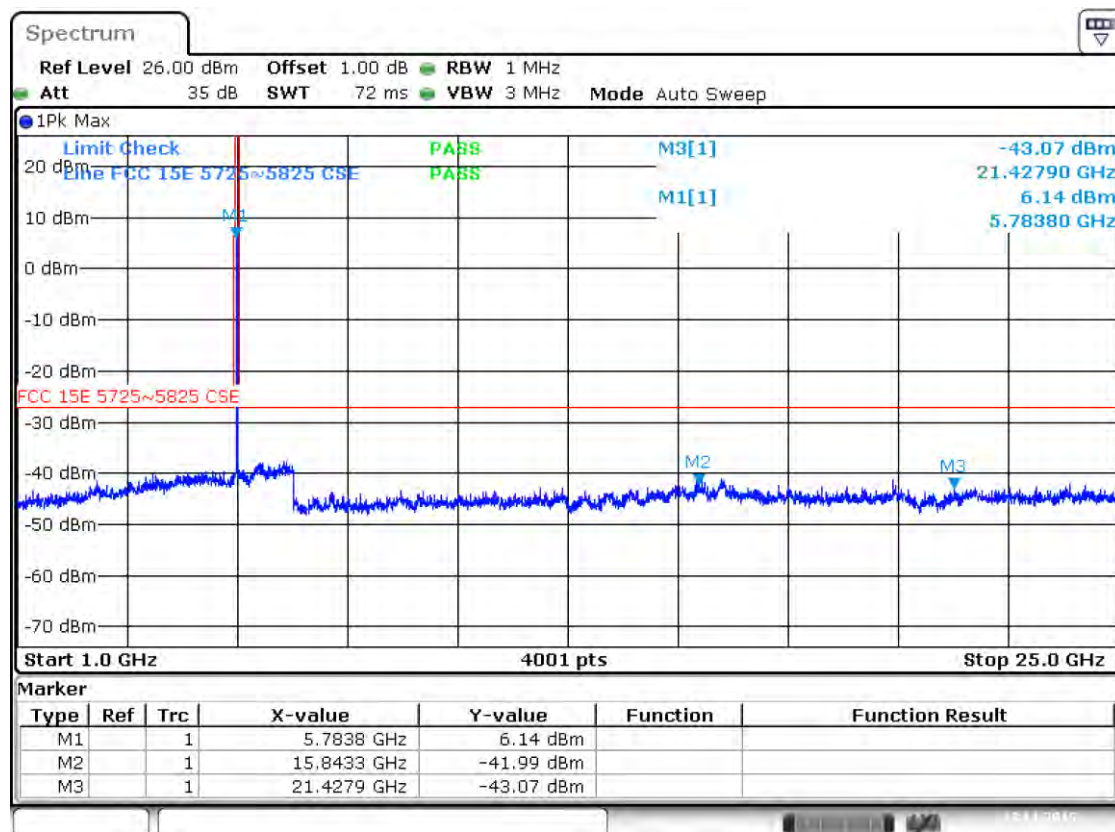
Date: 24.NOV.2015 19:10:21

Band IV 11ac(HT20) CH149 (1 ~ 20 GHz)



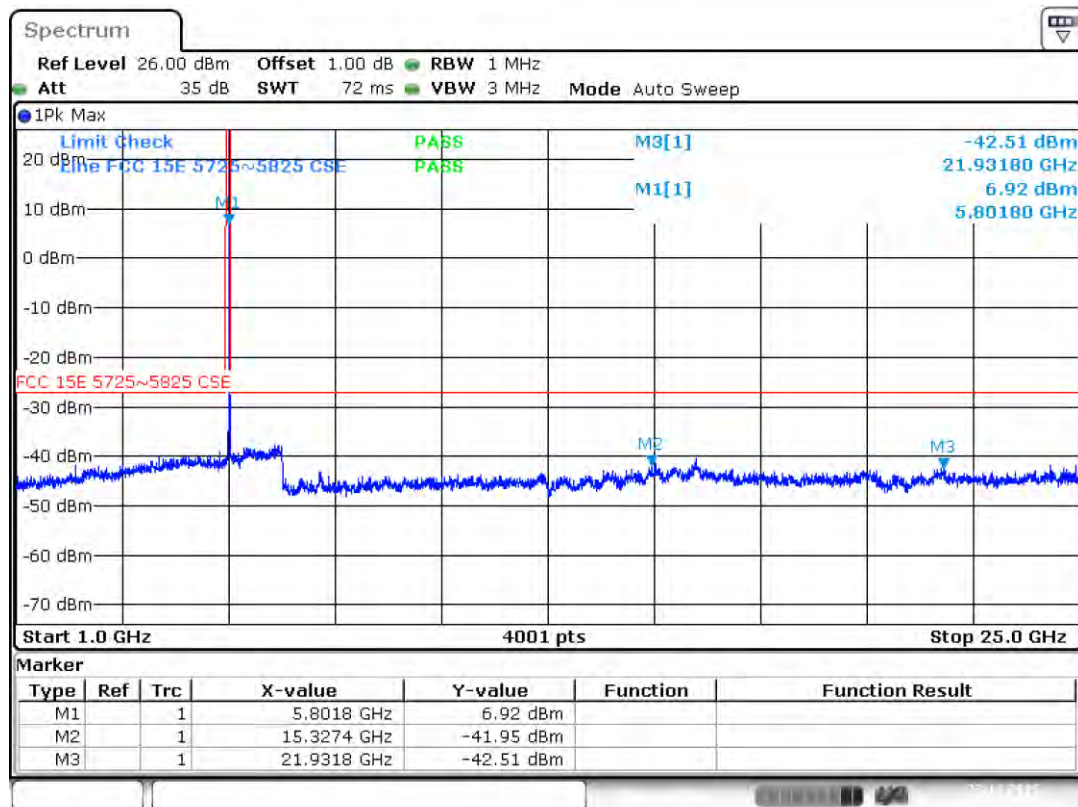
Date: 23.NOV.2015 15:24:02

Band IV 11ac(HT20) CH157 (1 ~ 20 GHz)



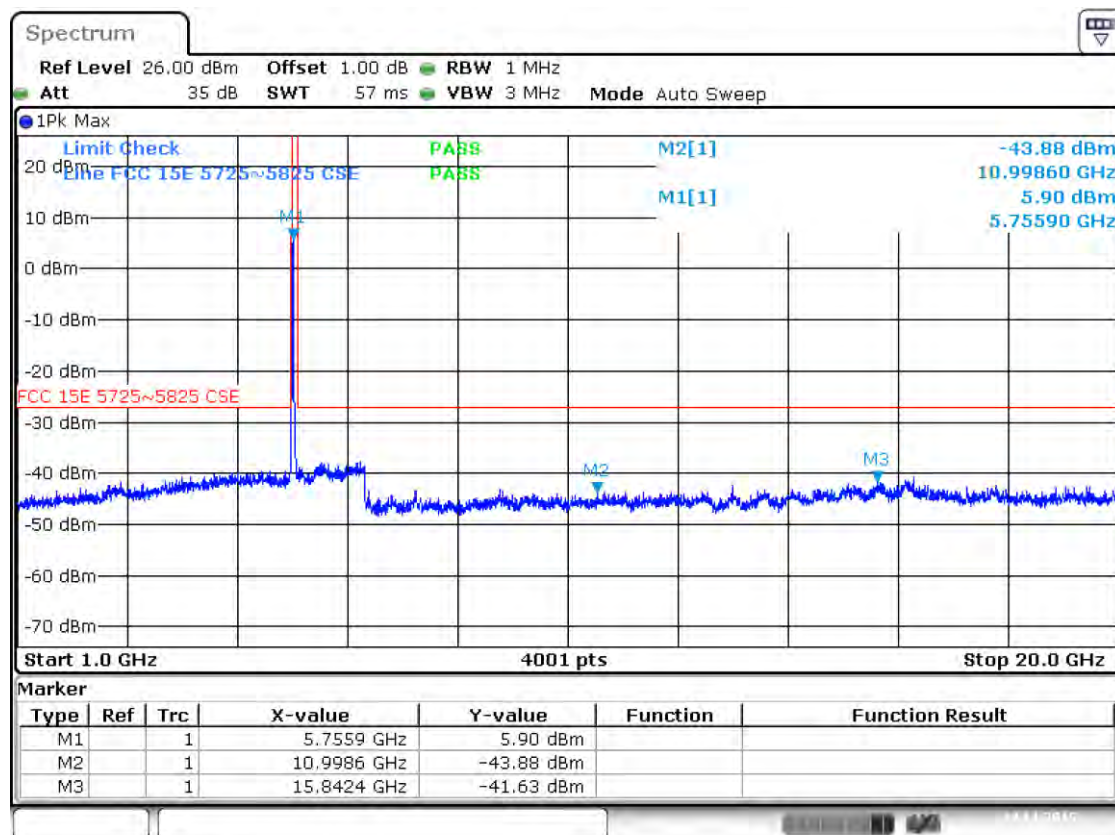
Date: 23.NOV.2015 15:25:34

Band IV 11ac(HT20) CH161 (1 ~ 20 GHz)



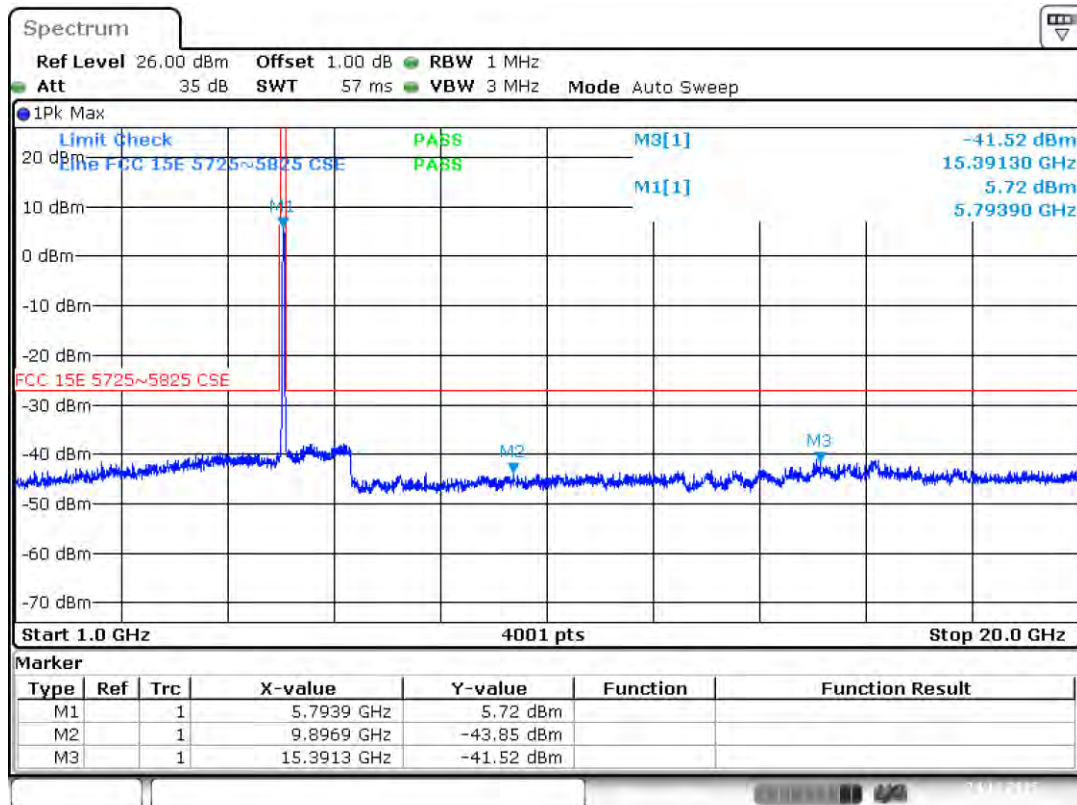
Date: 23.NOV.2015 15:27:02

Band IV 11ac(HT40) CH151 (1 ~ 20 GHz)



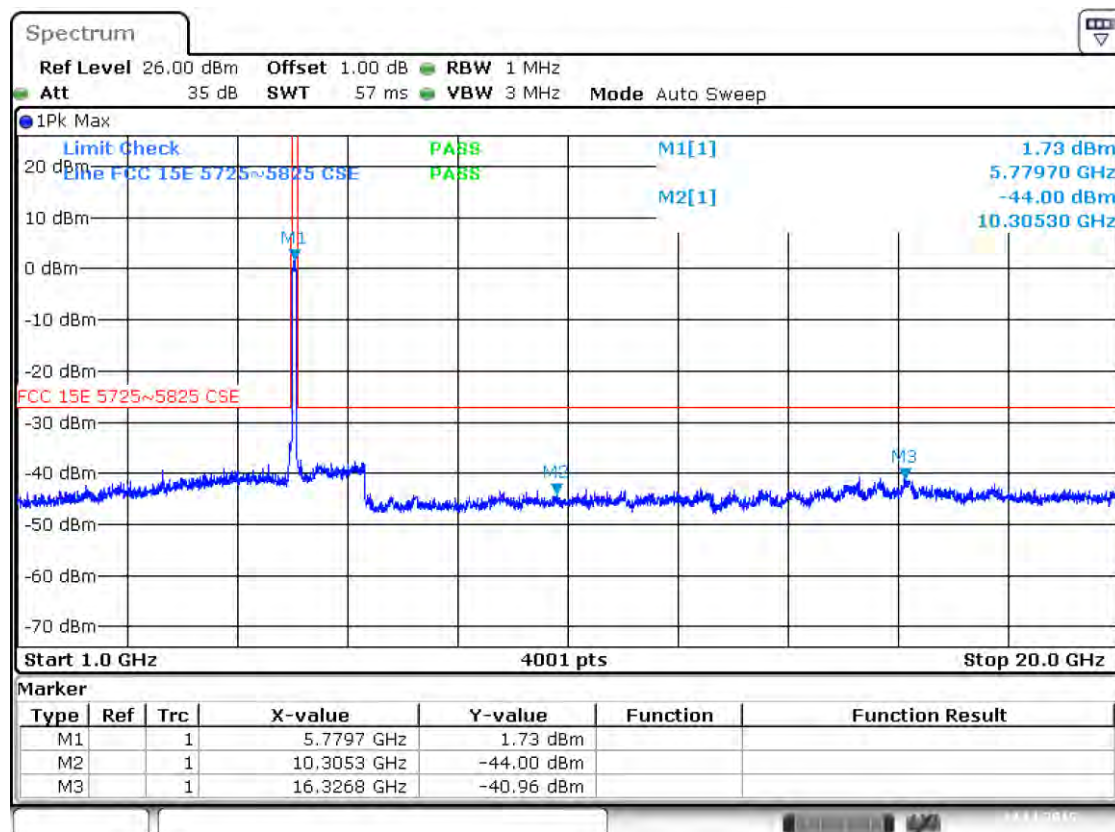
Date: 24.NOV.2015 18:55:53

Band IV 11ac(HT40) CH159 (1 ~ 20 GHz)



Date: 24.NOV.2015 18:57:23

Band IV 11ac(HT80) CH155 (1 ~ 20 GHz)



Date: 24.NOV.2015 19:18:39

A.7 Radiated Spurious Emissions and Band Edge (Restricted-band)

Antenna-port Conducted test data

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/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)

Note: For Multiple transmitter output, the quantity $10 \log(N_{ANT})$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log(N_{ANT})$ if the measurements are made relative to the in-band emissions on the individual outputs.

The worst data (Test frequency: below 1 GHz) (ANT 0 Band I 11a CH36)

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 6.3 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.

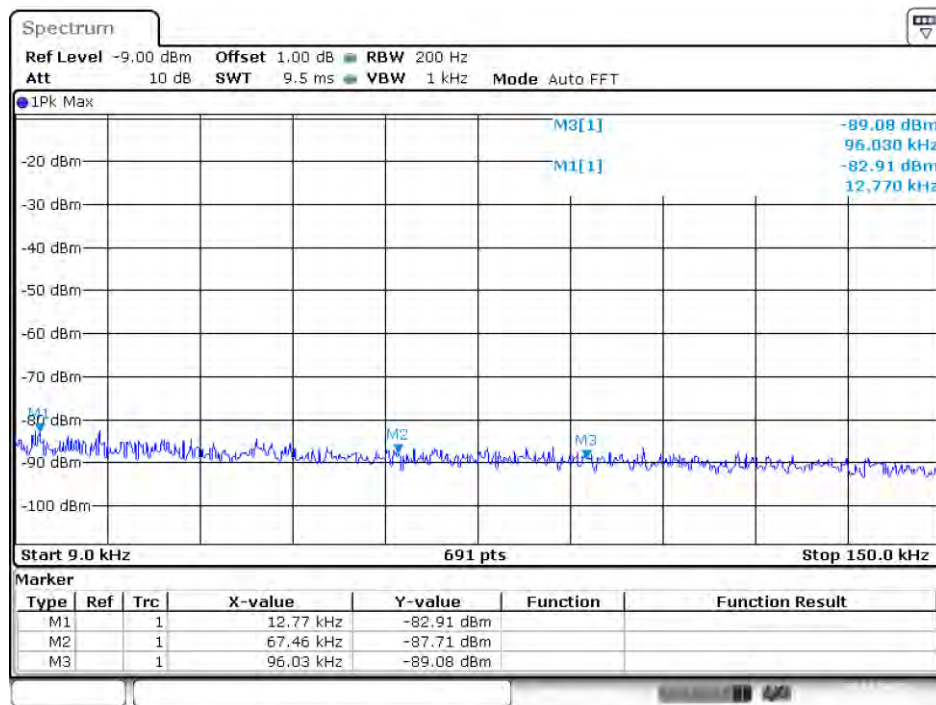
Note 4: The harmonic (2th, 3th, 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01277	-82.91	6	3	6.3	QP	24.65	90.93	66.28	Note 2	PASS
0.733	-73.32	6	3	6.3	QP	34.24	90.93	56.69	Note 2	PASS
565.5	-64.8	4.7	3	6.3	QP	41.46	90.93	49.47	Note 2	PASS
721.4	-66.06	4.7	3	6.3	QP	40.20	90.93	50.73	Note 2	PASS

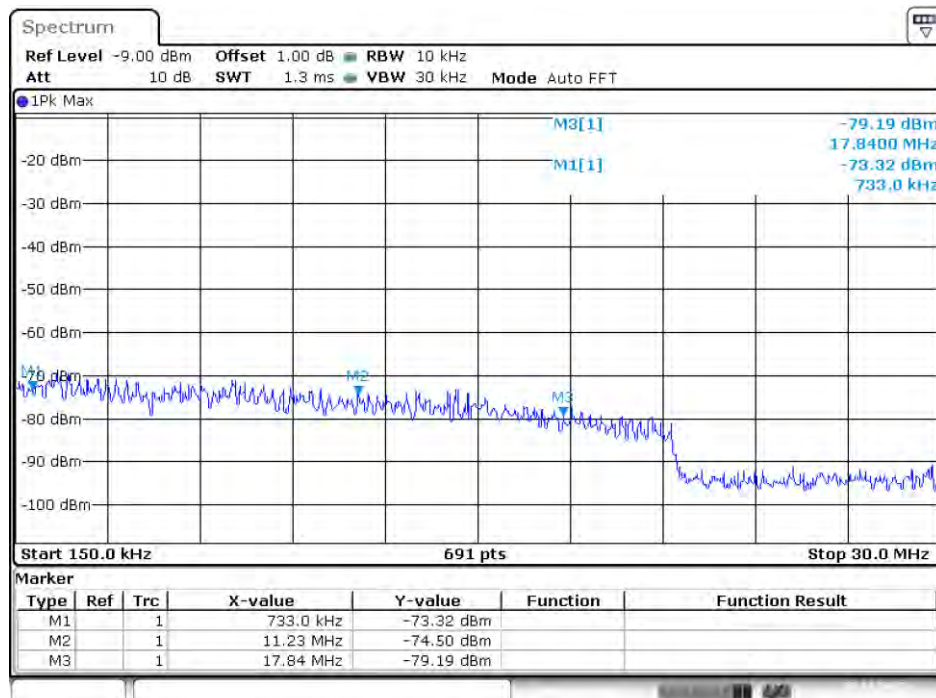
Test Plots

SPURIOUS 9 kHz ~ 150 kHz



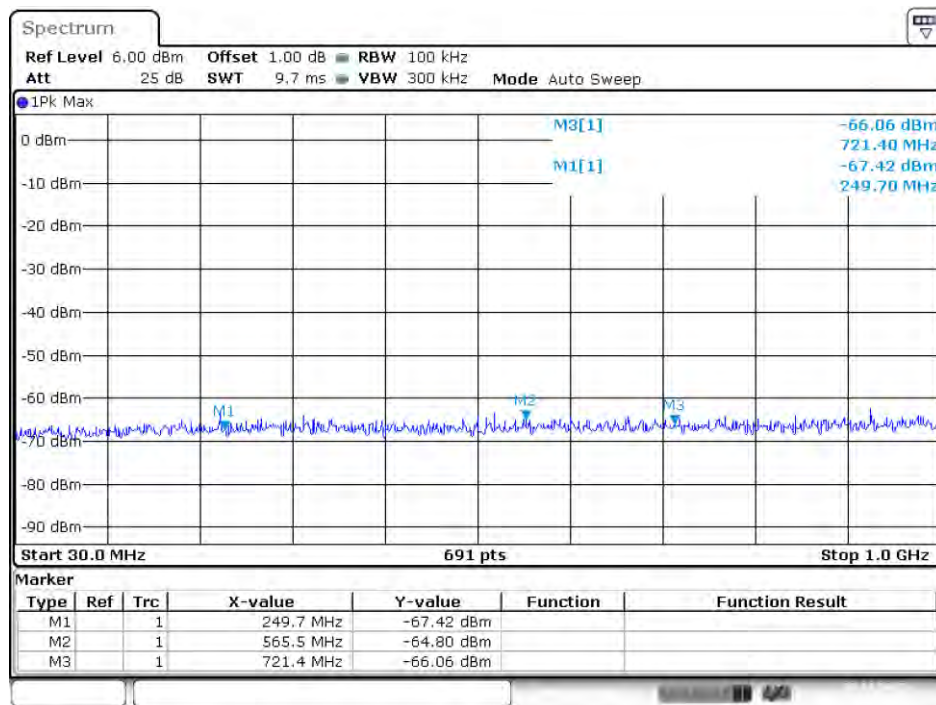
Date: 28.NOV.2015 16:51:46

SPURIOUS 150 kHz ~ 30 MHz



Date: 28.NOV.2015 16:53:18

SPURIOUS 30 MHz ~ 1 GHz



Date: 28 NOV. 2015 16:55:36

Test Data (Test frequency: 1 - 25 GHz)

ANT 0

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 6.3 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.

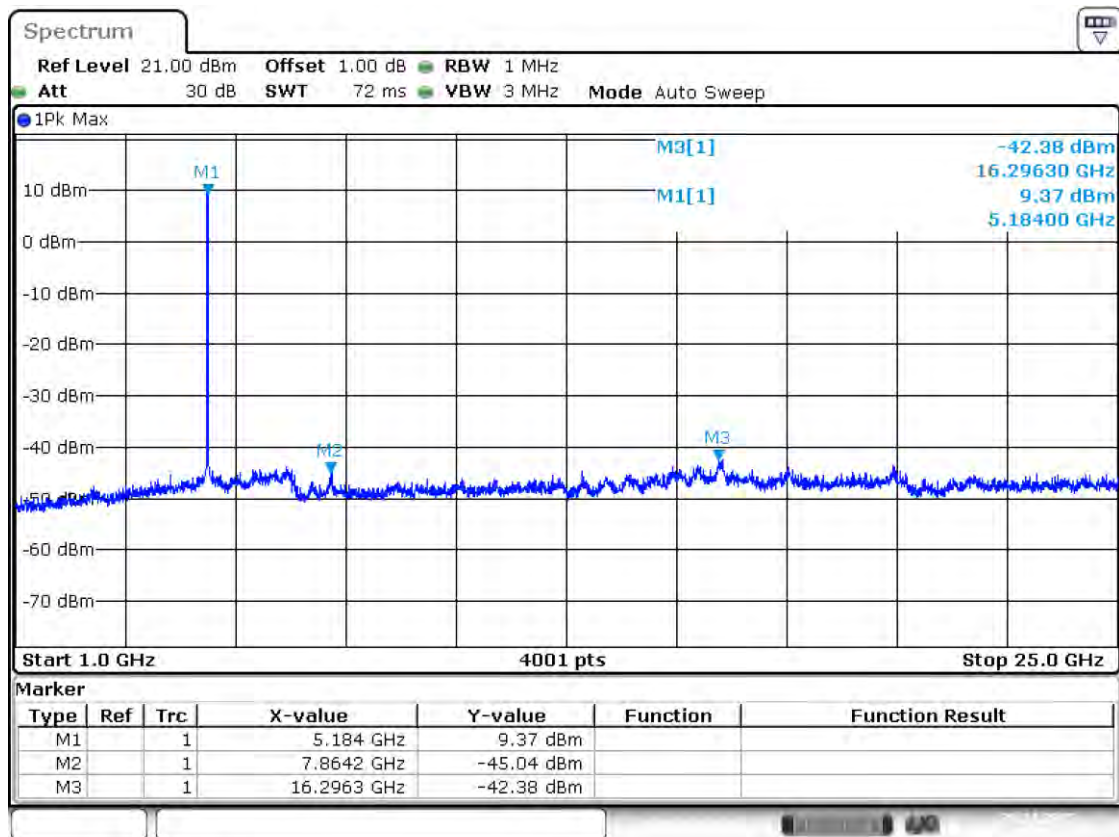
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7864.2	-45.04	0	3	6.3	PK	56.52	90.93	34.41	Note 2	PASS
	N/A		3	6.3	AV	N/A	70.93	N/A	Note 3	PASS
16296.3	-42.38	0	3	6.3	PK	59.18	90.93	31.75	Note 2	PASS
	N/A		3	6.3	AV	N/A	70.93	N/A	Note 3	PASS
5184	9.37	0	3	6.3	PK	110.93	N/A	N/A	Note 1	N/A
	-15.48		3	6.3	AV	86.08	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:37:21

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 6.3 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.

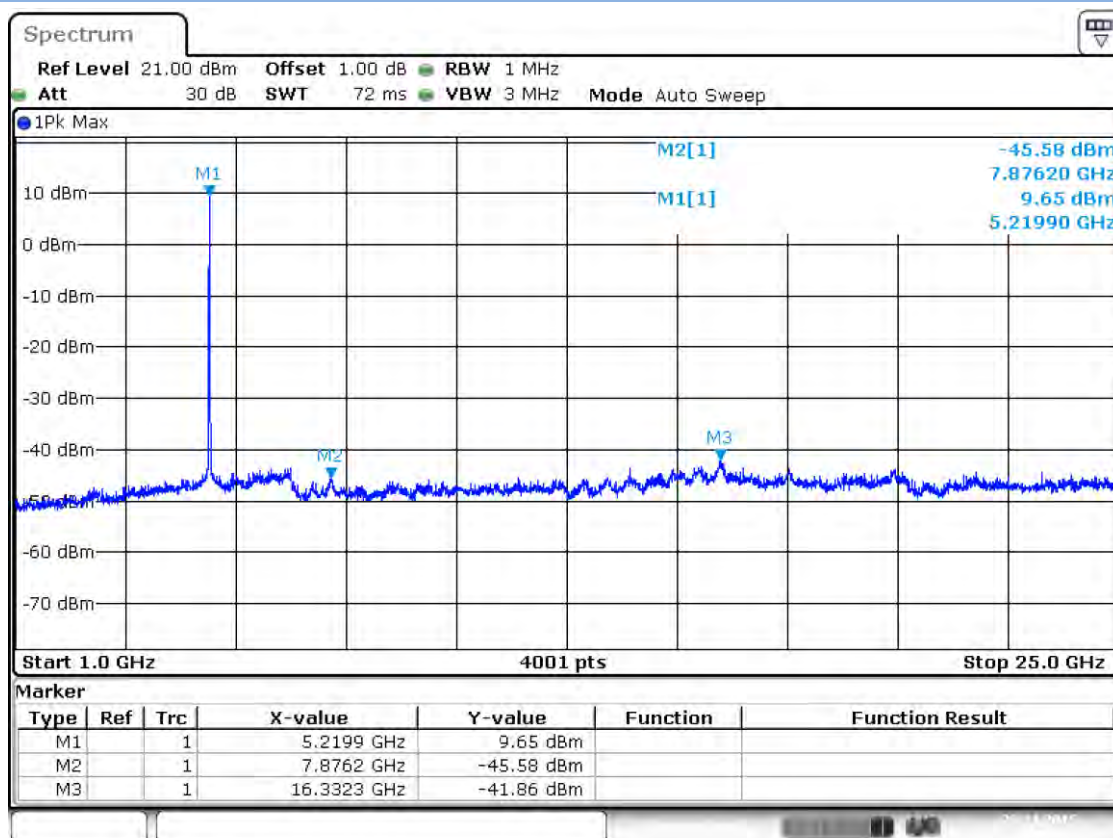
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7876.2	-45.58	0	3	6.3	PK	55.98	91.21	35.23	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.21	N/A	Note 3	PASS
16332.3	-41.86	0	3	6.3	PK	59.70	91.21	31.51	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.21	N/A	Note 3	PASS
5219.9	9.65	0	3	6.3	PK	111.21	N/A	N/A	Note 1	N/A
	-15.20		3	6.3	AV	86.36	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:39:22

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 6.3 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.

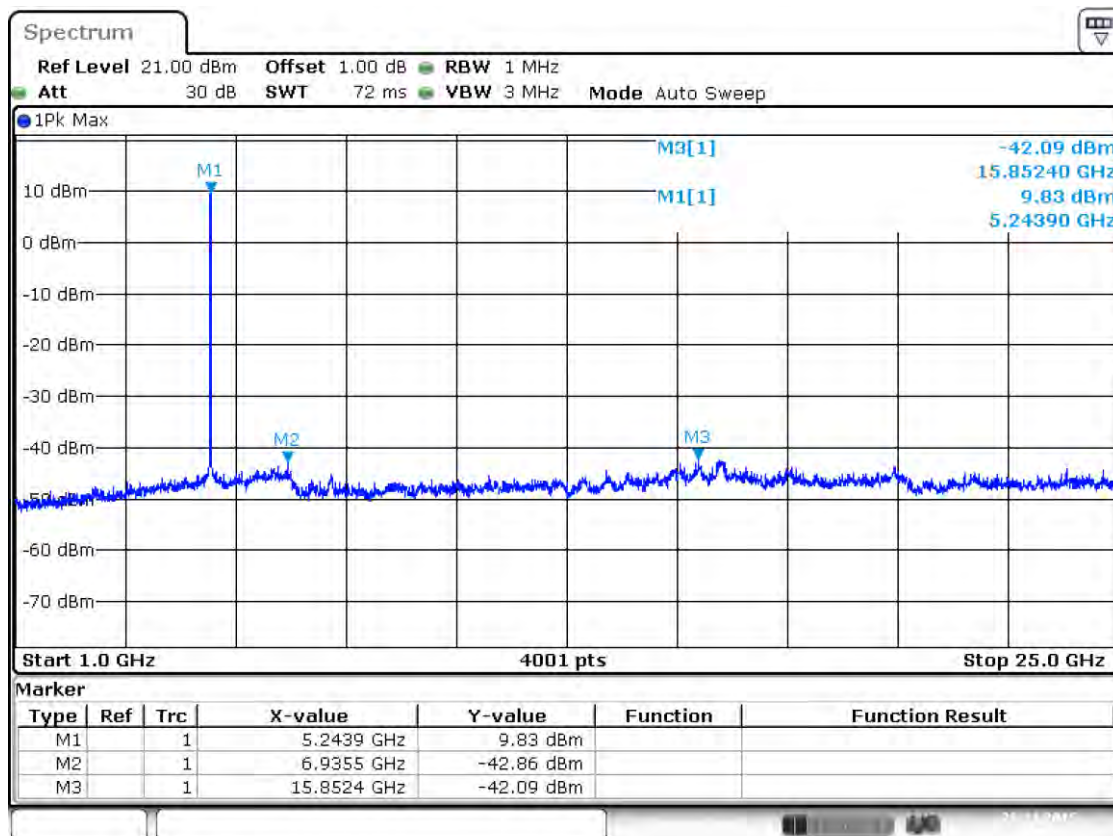
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
6935.5	-42.86	0	3	6.3	PK	58.70	91.39	32.69	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.39	N/A	Note 3	PASS
15852.4	-42.09	0	3	6.3	PK	59.47	74.00	14.53	--	PASS
	-66.94		3	6.3	AV	34.62	54.00	19.38	--	PASS
5243.9	9.83	0	3	6.3	PK	111.39	N/A	N/A	Note 1	N/A
	-15.02		3	6.3	AV	86.54	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:43:22

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 6.3 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.

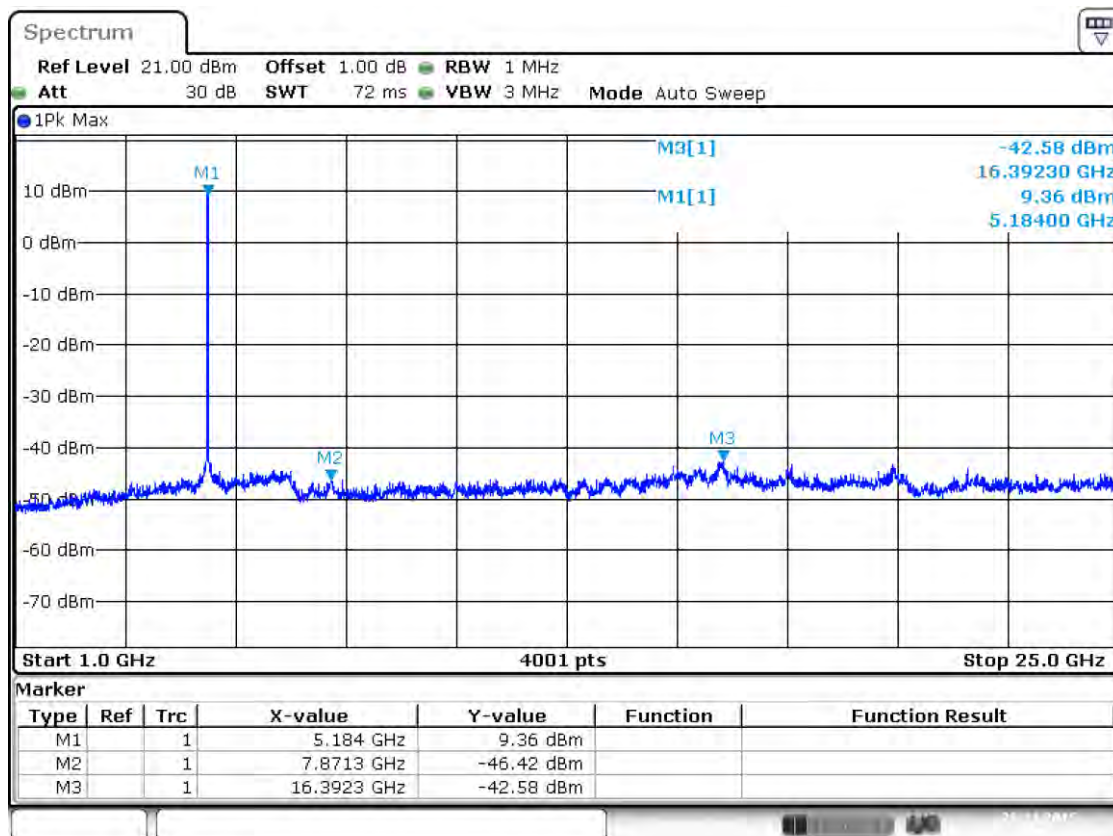
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7871.3	-46.42	0	3	6.3	PK	55.14	90.92	35.78	Note 2	PASS
	N/A		3	6.3	AV	N/A	70.92	N/A	Note 3	PASS
16392.3	-42.58	0	3	6.3	PK	58.98	90.92	31.94	Note 2	PASS
	N/A		3	6.3	AV	N/A	70.92	N/A	Note 3	PASS
5184	9.36	0	3	6.3	PK	110.92	N/A	N/A	Note 1	N/A
	-15.49		3	6.3	AV	86.07	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 12:51:35

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 6.3 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.

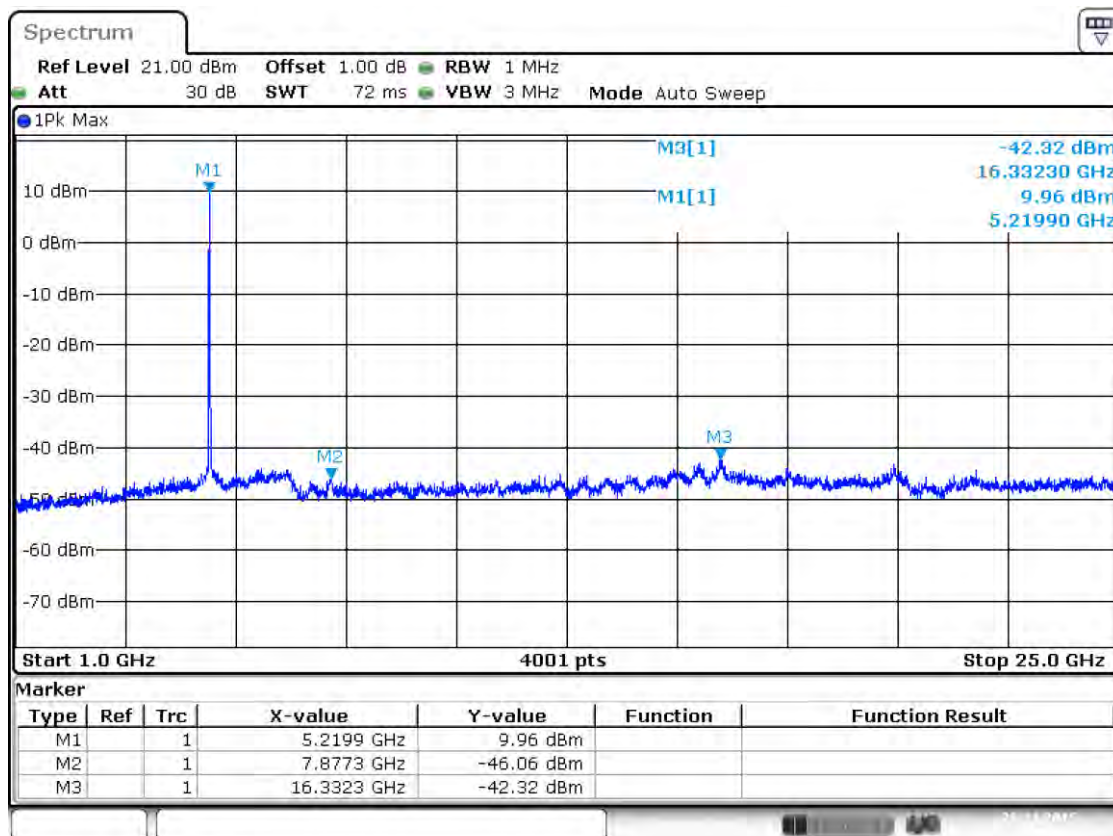
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7877.3	-46.06	0	3	6.3	PK	55.50	91.52	36.02	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.52	N/A	Note 3	PASS
16332.3	-42.32	0	3	6.3	PK	59.24	91.52	32.28	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.52	N/A	Note 3	PASS
5219.9	9.96	0	3	6.3	PK	111.52	N/A	N/A	Note 1	N/A
	-14.89		3	6.3	AV	86.67	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 12:53:02

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 6.3dBi.

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.

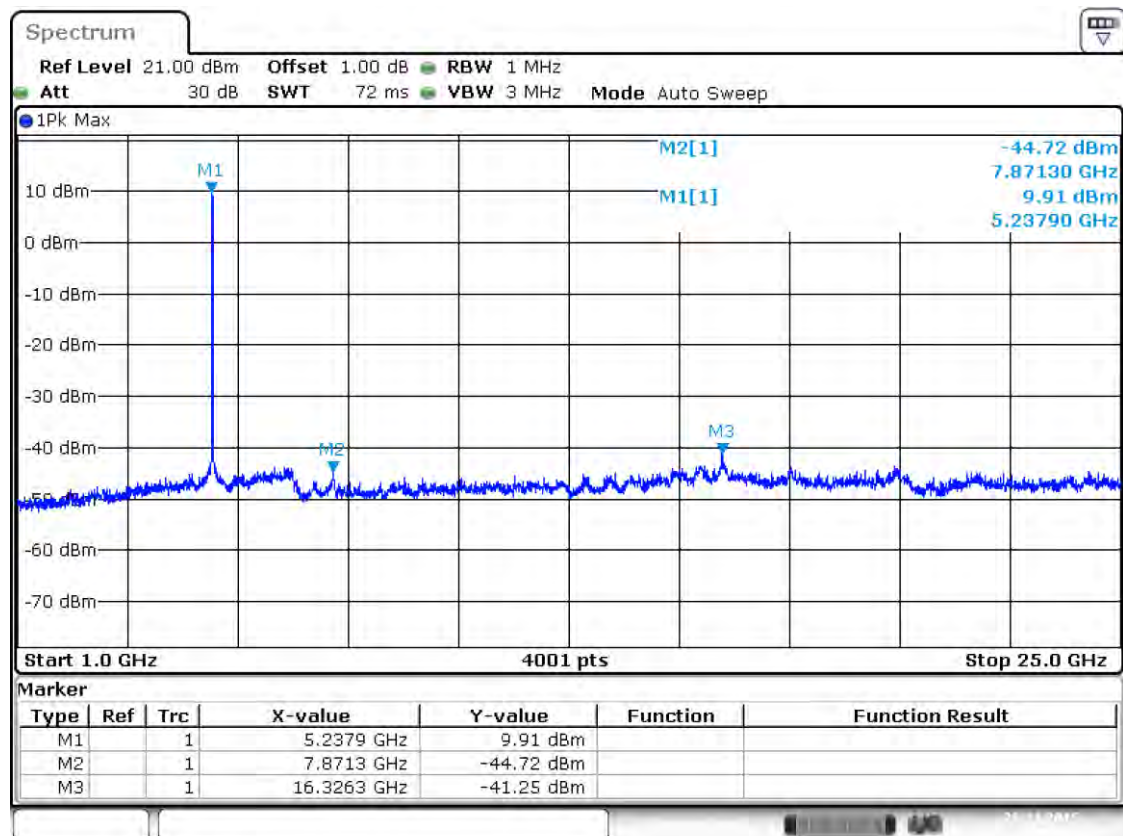
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7871.3	-44.72	0	3	6.3	PK	56.84	91.47	34.63	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.47	N/A	Note 3	PASS
16326.3	-41.25	0	3	6.3	PK	60.31	91.47	31.16	Note 2	PASS
	N/A		3	6.3	AV	N/A	71.47	N/A	Note 3	PASS
5237.9	9.91	0	3	6.3	PK	111.47	N/A	N/A	Note 1	N/A
	-14.94		3	6.3	AV	86.62	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 12:55:06

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 6.3 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.

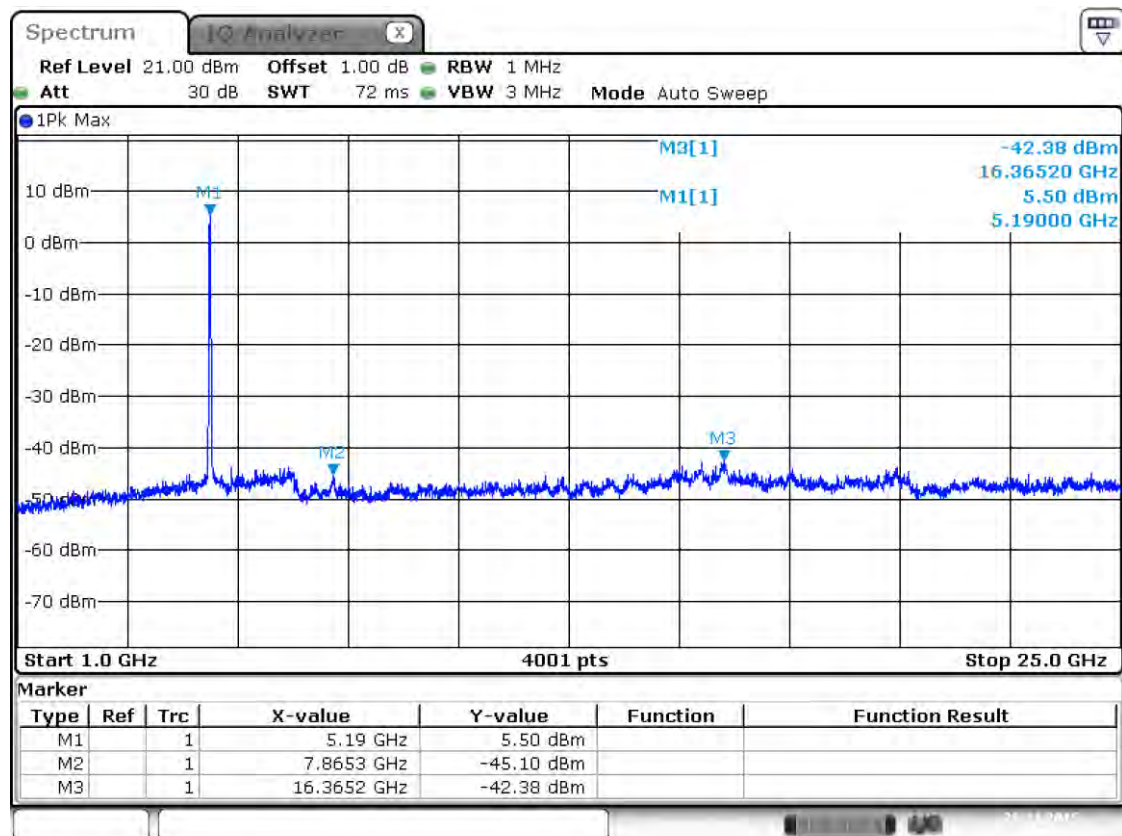
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7865.3	-45.1	0	3	6.3	PK	56.46	87.06	30.60	Note 2	PASS
	N/A		3	6.3	AV	N/A	67.06	N/A	Note 3	PASS
16365.2	-42.38	0	3	6.3	PK	59.18	87.06	27.88	Note 2	PASS
	N/A		3	6.3	AV	N/A	67.06	N/A	Note 3	PASS
5190	5.5	0	3	6.3	PK	107.06	N/A	N/A	Note 1	N/A
	-19.35		3	6.3	AV	82.21	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 15:07:53

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 6.3 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.

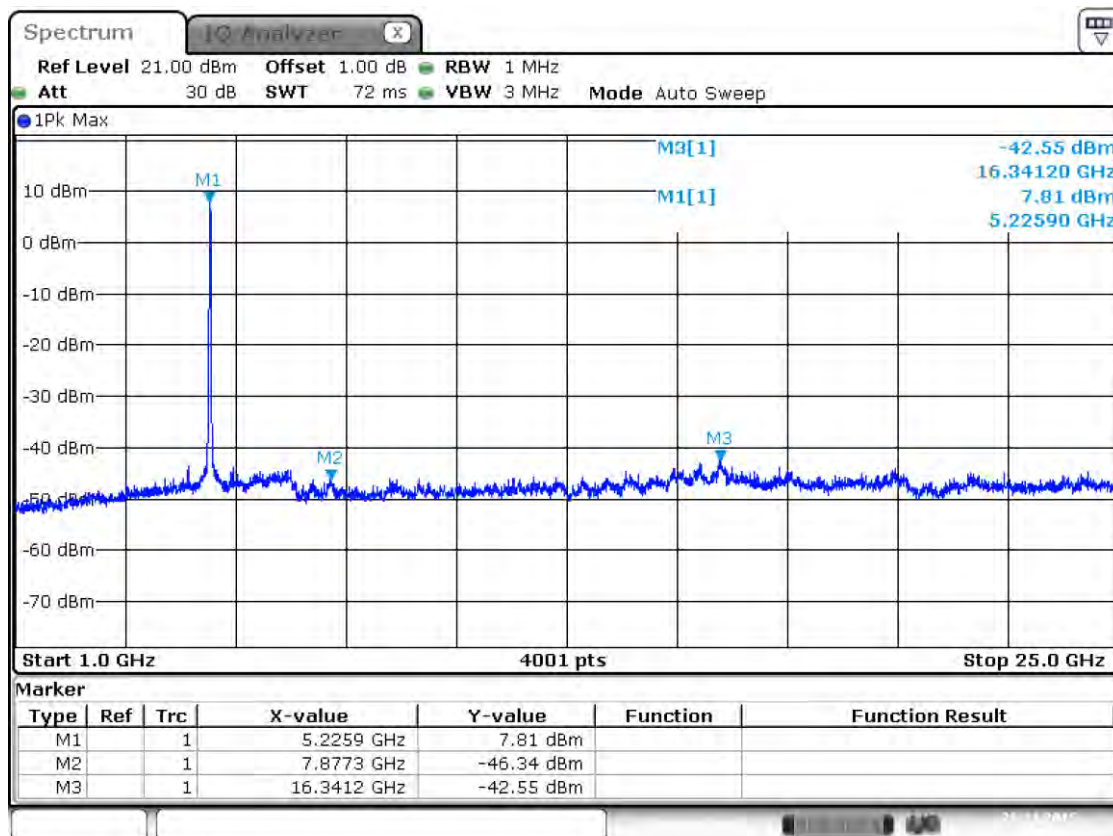
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7877.3	-46.34	0	3	6.3	PK	55.22	89.37	34.15	Note 2	PASS
	N/A		3	6.3	AV	N/A	69.37	N/A	Note 3	PASS
16341.2	-42.55	0	3	6.3	PK	59.01	89.37	30.36	Note 2	PASS
	N/A		3	6.3	AV	N/A	69.37	N/A	Note 3	PASS
5225.9	7.81	0	3	6.3	PK	109.37	N/A	N/A	Note 1	N/A
	-17.04		3	6.3	AV	84.52	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 15:08:47

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 6.3 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.

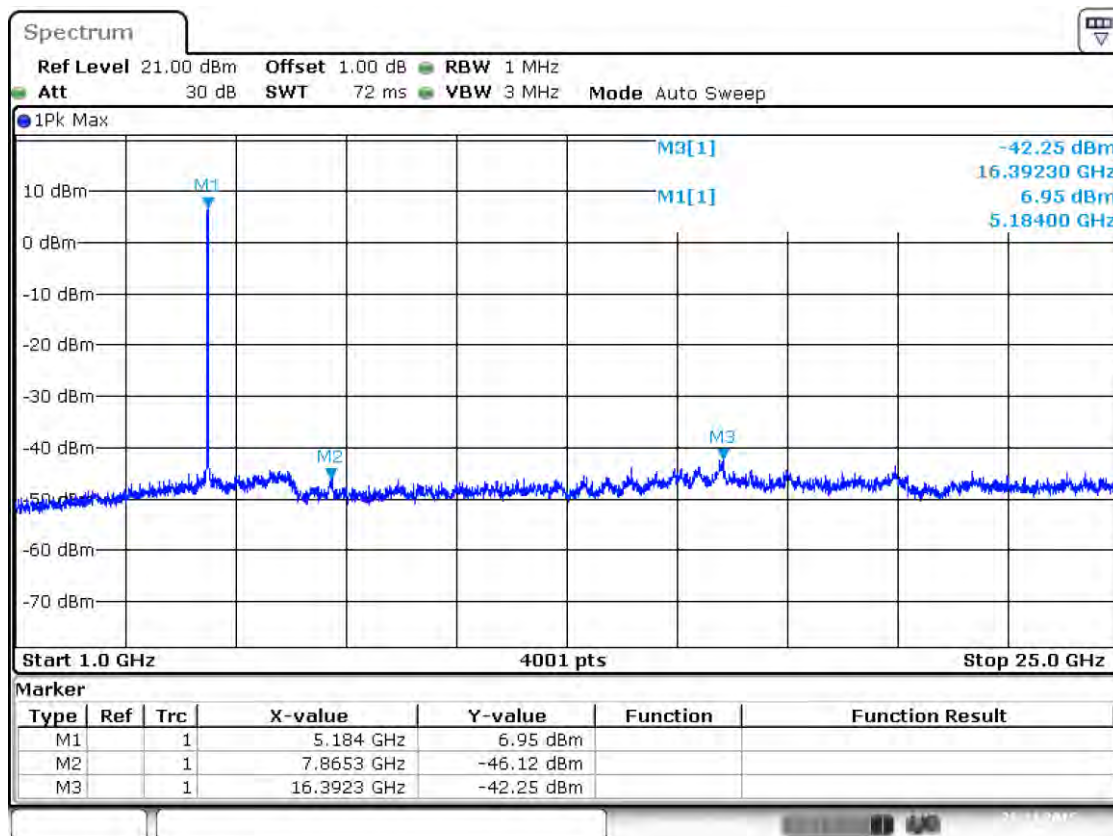
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7865.3	-46.12	0	3	6.3	PK	55.44	88.51	33.07	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.51	N/A	Note 3	PASS
16392.3	-42.25	0	3	6.3	PK	59.31	88.51	29.20	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.51	N/A	Note 3	PASS
5184	6.95	0	3	6.3	PK	108.51	N/A	N/A	Note 1	N/A
	-17.90		3	6.3	AV	83.66	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:55:17

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 6.4 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.

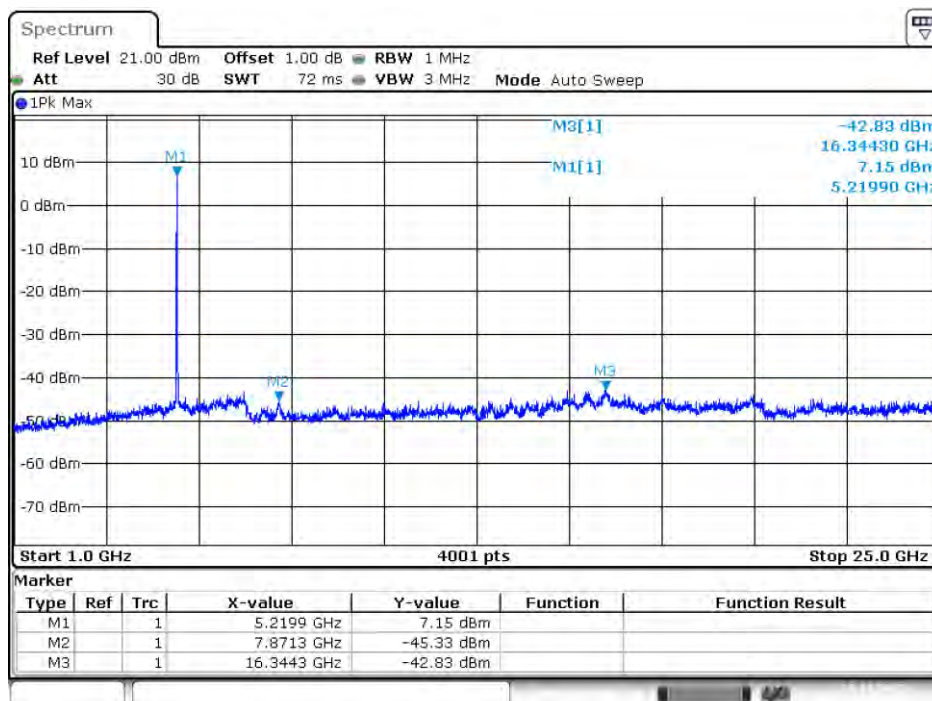
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT20) 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
7871.3	-45.33	0	3	6.3	PK	56.23	88.71	32.48	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.71	N/A	Note 3	PASS
16344.3	-42.83	0	3	6.3	PK	58.73	88.71	29.98	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.71	N/A	Note 3	PASS
5219.9	7.15	0	3	6.3	PK	108.71	N/A	N/A	Note 1	N/A
	-17.70		3	6.3	AV	83.86	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:56:25

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 6.3 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.

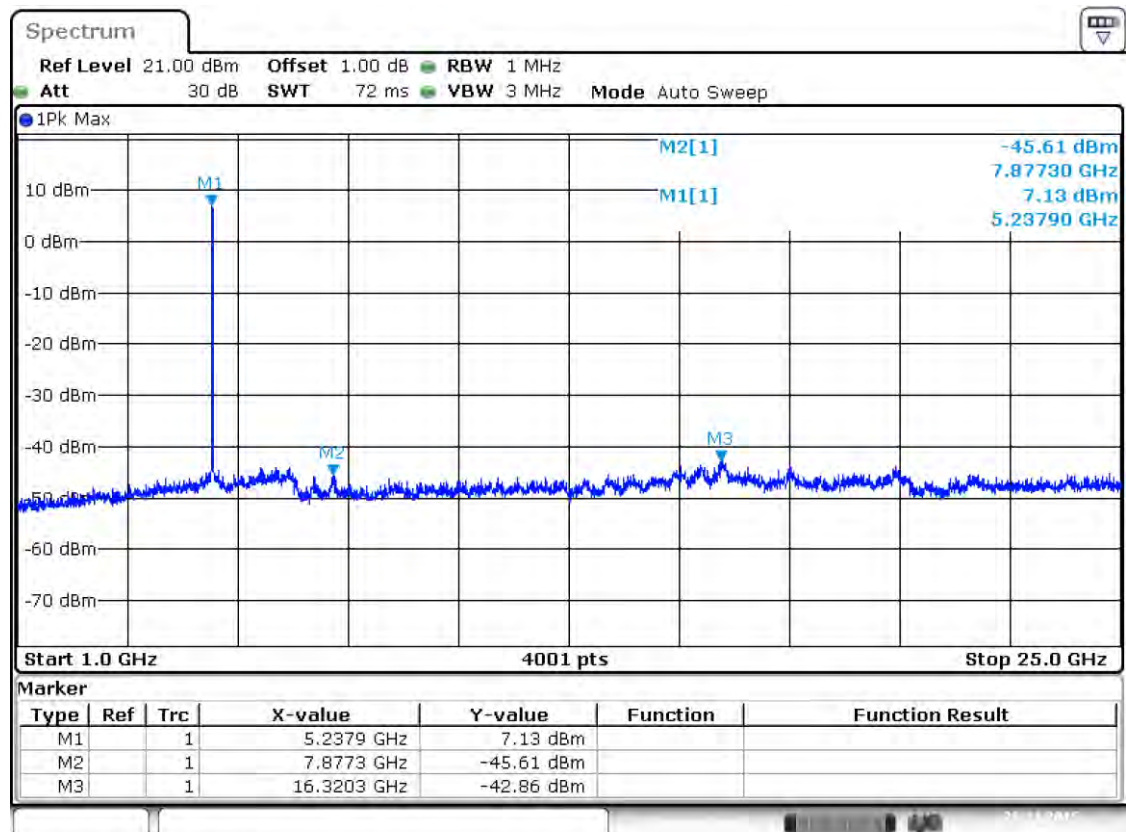
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7877.3	-45.61	0	3	6.3	PK	55.95	88.69	32.74	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.69	N/A	Note 3	PASS
16320.3	-42.86	0	3	6.3	PK	58.70	88.69	29.99	Note 2	PASS
	N/A		3	6.3	AV	N/A	68.69	N/A	Note 3	PASS
5237.9	7.13	0	3	6.3	PK	108.69	N/A	N/A	Note 1	N/A
	-17.72		3	6.3	AV	83.84	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:57:23

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 6.3 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.

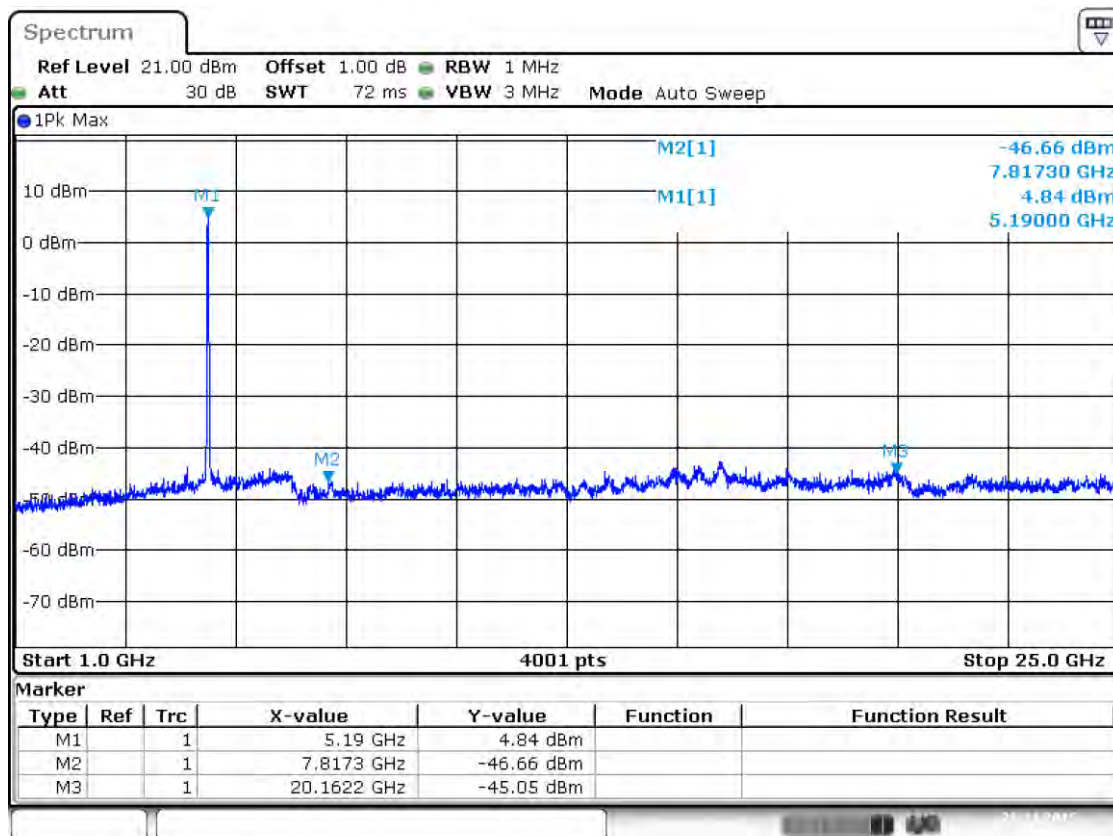
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11ac(HT40) 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
7817.3	-46.66	0	3	6.3	PK	54.90	86.40	31.50	Note 2	PASS
	N/A		3	6.3	AV	N/A	66.40	N/A	Note 3	PASS
20162.2	-45.05	0	3	6.3	PK	56.51	74.00	17.49	--	PASS
	N/A		3	6.3	AV	N/A	54.00	N/A	Note 3	PASS
5190	4.84	0	3	6.3	PK	106.40	N/A	N/A	Note 1	N/A
	-20.01		3	6.3	AV	81.55	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 13:14:03

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 6.3 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.

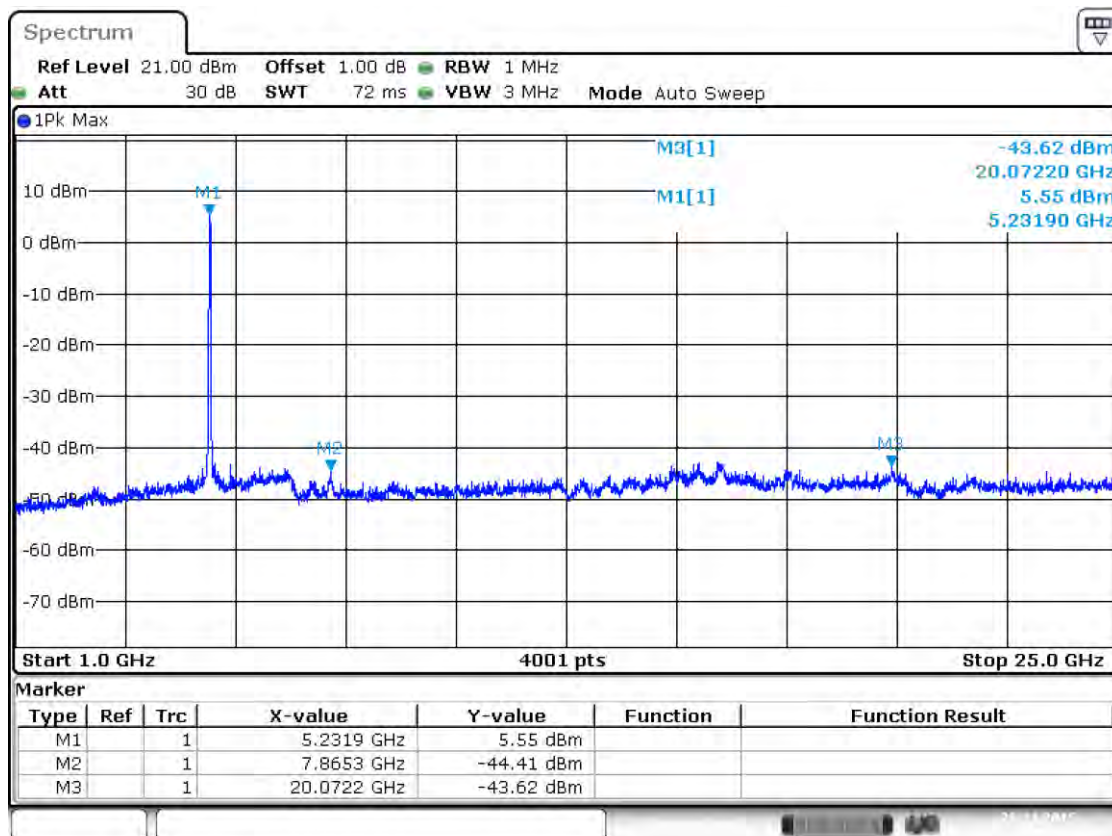
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7865.3	-44.41	0	3	6.3	PK	57.15	87.11	29.96	Note 2	PASS
	N/A		3	6.3	AV	N/A	67.11	N/A	Note 3	PASS
20072.2	-43.62	0	3	6.3	PK	57.94	74.00	16.06	--	PASS
	N/A		3	6.3	AV	N/A	54.00	N/A	Note 3	PASS
5231.9	5.55	0	3	6.3	PK	107.11	N/A	N/A	Note 1	N/A
	-19.30		3	6.3	AV	82.26	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 13:15:26

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 6.3 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.

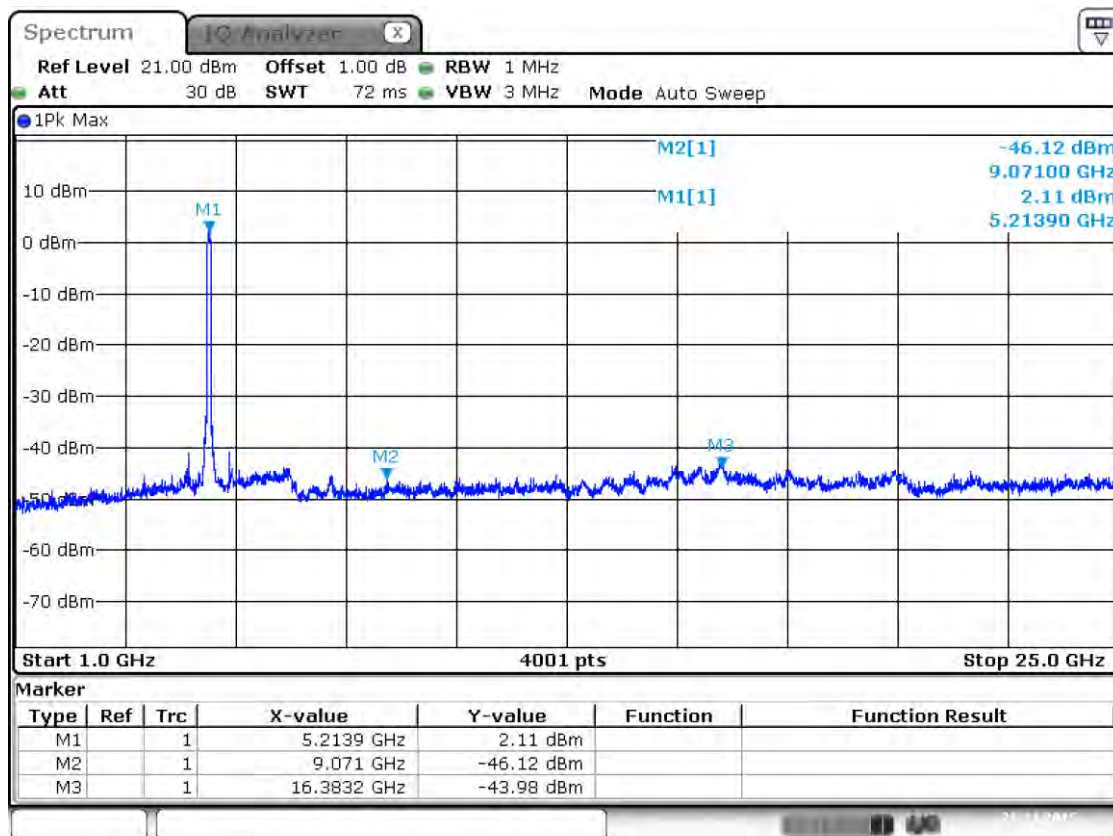
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
9071	-46.12	0	3	6.3	PK	55.44	74.00	18.56	--	PASS
	N/A		3	6.3	AV	N/A	54.00	N/A	Note 3	PASS
16383.2	-43.98	0	3	6.3	PK	57.58	83.67	26.09	Note 2	PASS
	N/A		3	6.3	AV	N/A	63.67	N/A	Note 3	PASS
5213.9	2.11	0	3	6.3	PK	103.67	N/A	N/A	Note 1	N/A
	-22.74		3	6.3	AV	78.82	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 15:21:06

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 6.4dBi.

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.

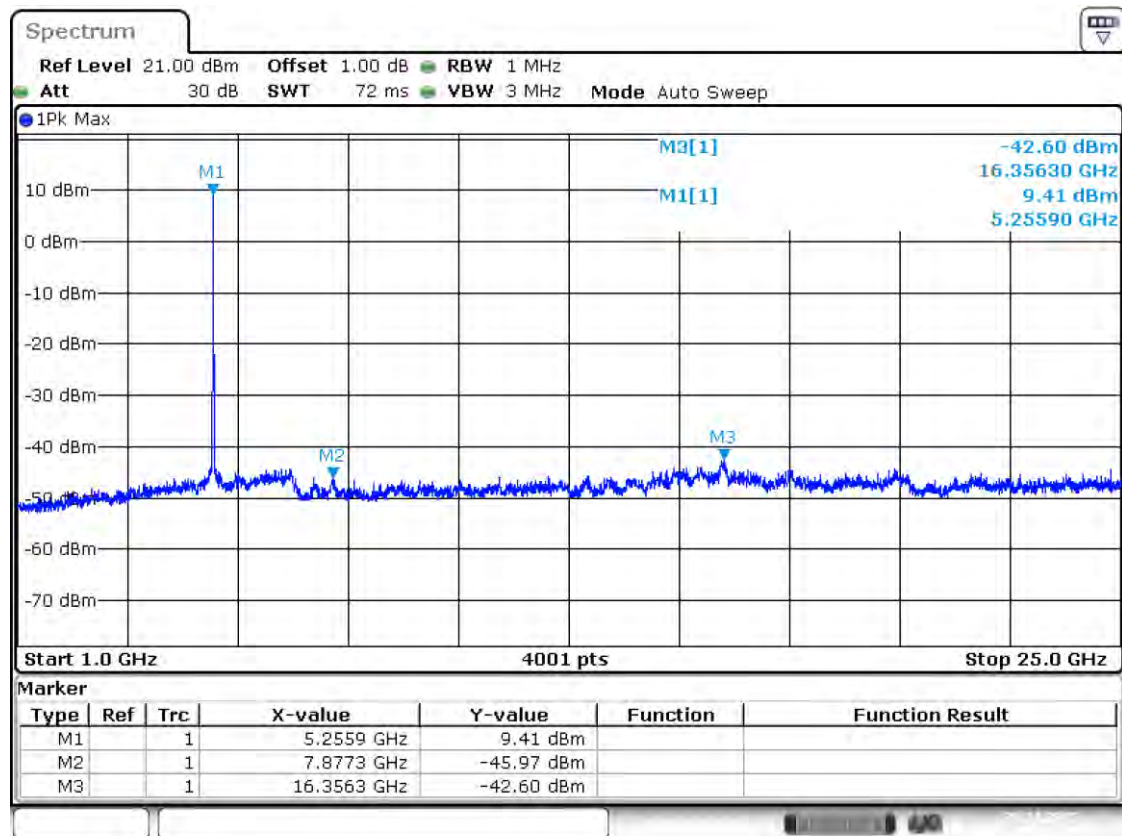
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7877.3	-45.97	0	3	6.4	PK	55.69	91.07	35.38	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.07	N/A	Note 3	PASS
16356.3	-42.6	0	3	6.4	PK	59.06	91.07	32.01	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.07	N/A	Note 3	PASS
5255.9	9.41	0	3	6.4	PK	111.07	N/A	N/A	Note 1	N/A
	-15.44		3	6.4	AV	86.22	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:44:35

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 6.4 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.

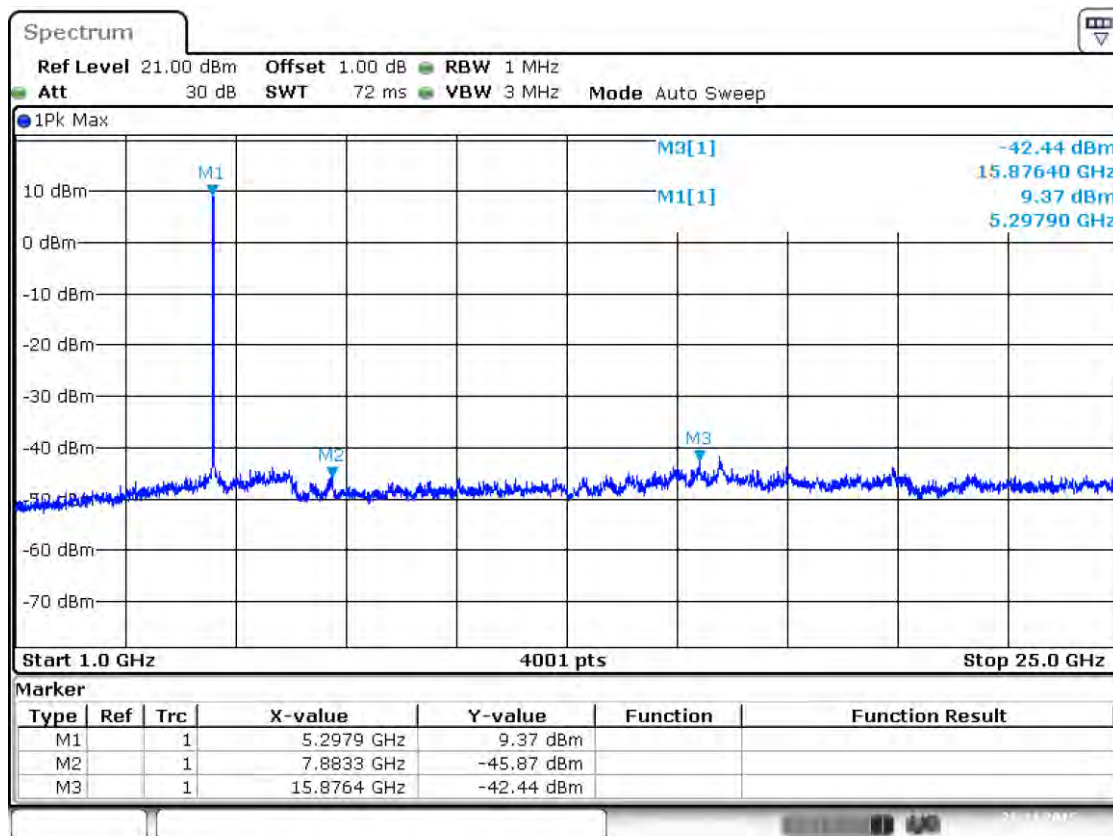
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7883.3	-45.87	0	3	6.4	PK	55.79	91.03	35.24	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.03	N/A	Note 3	PASS
15876.4	-42.6	0	3	6.4	PK	59.06	74.00	14.94	--	PASS
	-67.45		3	6.4	AV	34.21	54.00	19.79	--	PASS
5237.9	9.37	0	3	6.4	PK	111.03	N/A	N/A	Note 1	N/A
	-15.48		3	6.4	AV	86.18	N/A	N/A		N/A

Test Plots

Band II 11a CH60, SPURIOUS 1 GHz ~ 25 GHz



Date: 26.NOV.2015 10:45:35

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 6.4 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.

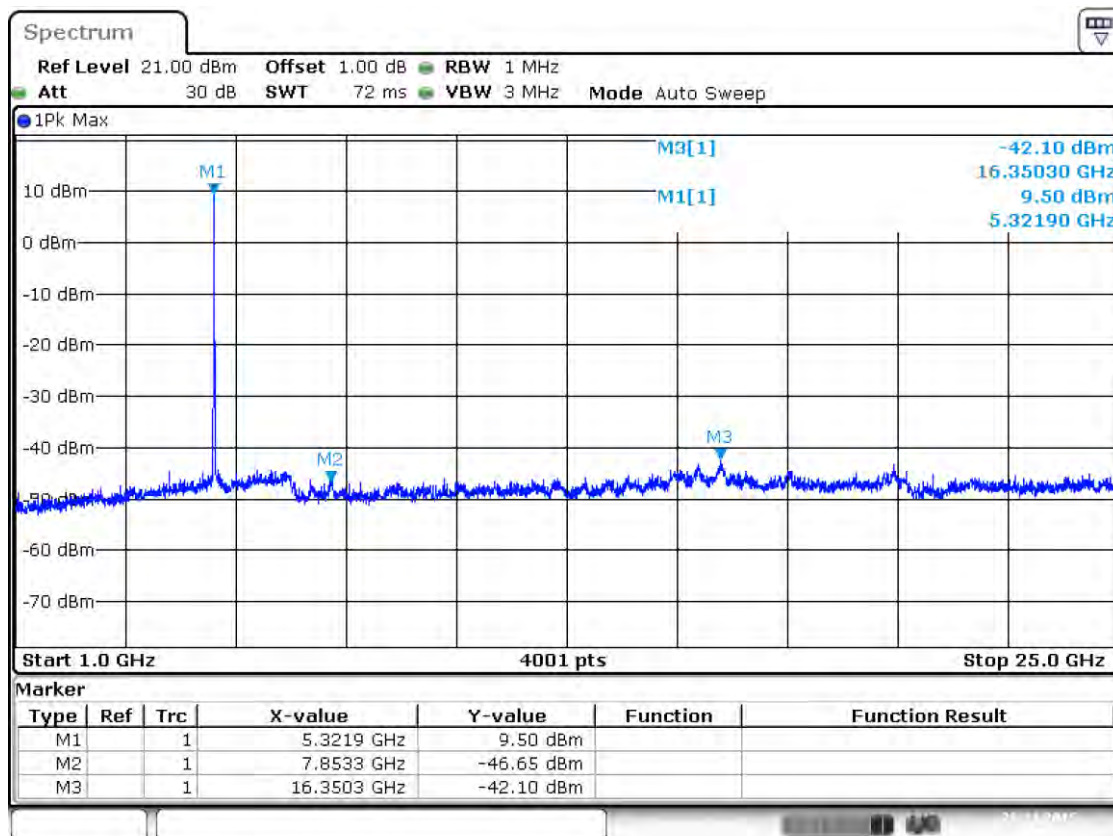
Note 4: The harmonic (3th, 4th, 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7853.3	-46.65	0	3	6.4	PK	55.01	91.16	36.15	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.16	N/A	Note 3	PASS
16350.3	-42.1	0	3	6.4	PK	59.56	91.16	31.60	Note 2	PASS
	-66.95		3	6.4	AV	34.71	71.16	36.45	--	PASS
5321.9	9.5	0	3	6.4	PK	111.16	N/A	N/A	Note 1	N/A
	-15.35		3	6.4	AV	86.31	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 10:47:07

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 6.4 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.

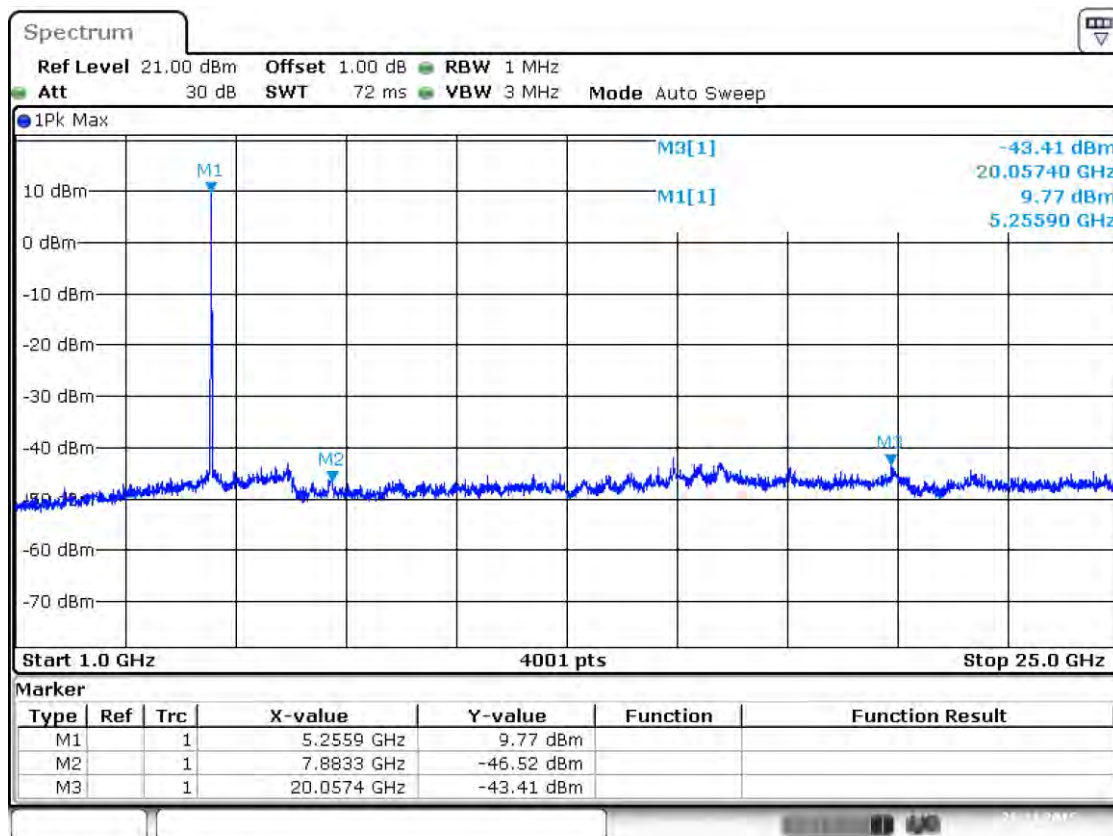
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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
7883.3	-46.52	0	3	6.4	PK	55.14	91.43	36.29	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.43	N/A	Note 3	PASS
20057.2	-43.41	0	3	6.4	PK	58.25	74.00	15.75	--	PASS
	N/A		3	6.4	AV	N/A	54.00	N/A	Note 3	PASS
5255.9	9.77	0	3	6.4	PK	111.43	N/A	N/A	Note 1	N/A
	-15.08		3	6.4	AV	86.58	N/A	N/A		N/A

Test Plots

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



Date: 26.NOV.2015 12:57:03

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 6.4 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.

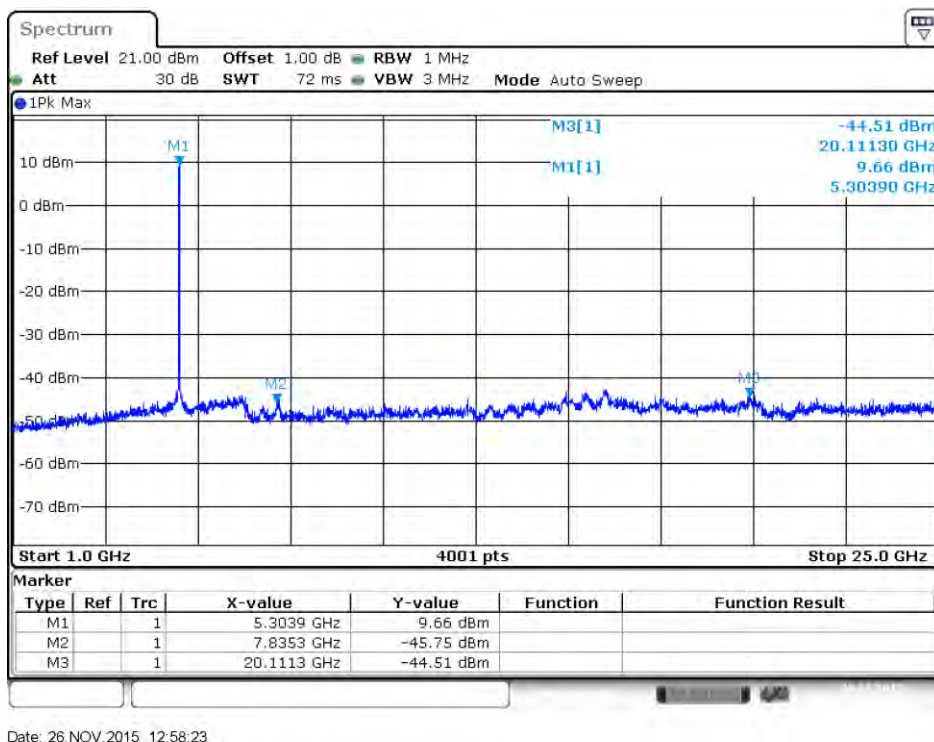
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band II 11n(HT20) CH60

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark	Verdict
7835.3	-45.75	0	3	6.4	PK	55.91	91.32	35.41	Note 2	PASS
	N/A		3	6.4	AV	N/A	71.32	N/A	Note 3	PASS
20111.3	-44.51	0	3	6.4	PK	57.15	74.00	16.85	--	PASS
	N/A		3	6.4	AV	N/A	54.00	N/A	Note 3	PASS
5303.9	9.66	0	3	6.4	PK	111.32	N/A	N/A	Note 1	N/A
	-15.19		3	6.4	AV	86.47	N/A	N/A		N/A

Test Plots

Band II 11n(HT20) CH60, 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.