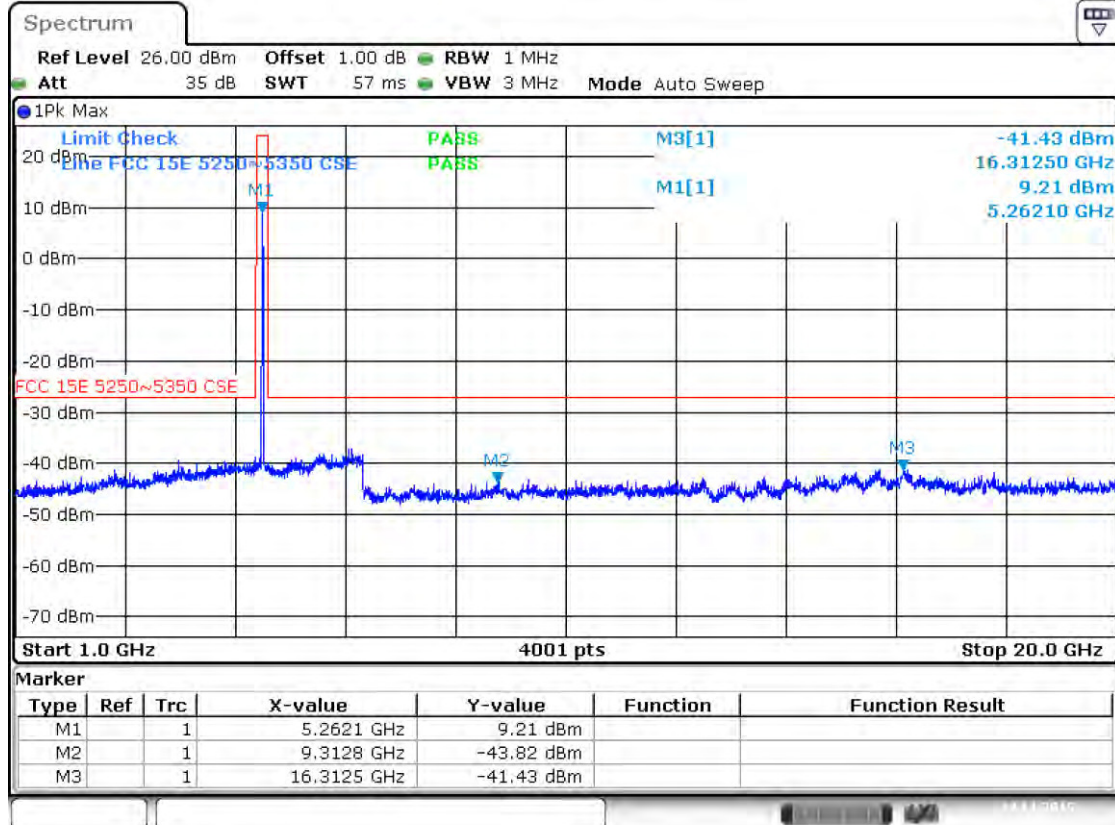


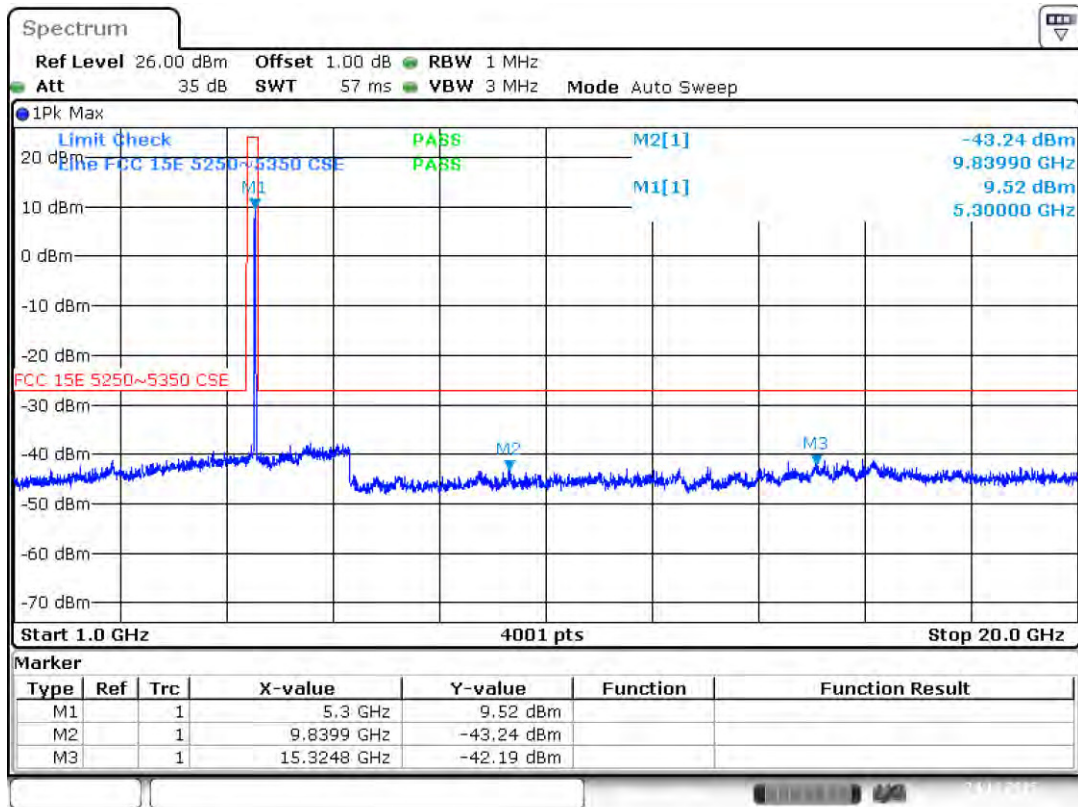
Date: 24.NOV.2015 18:00:06

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



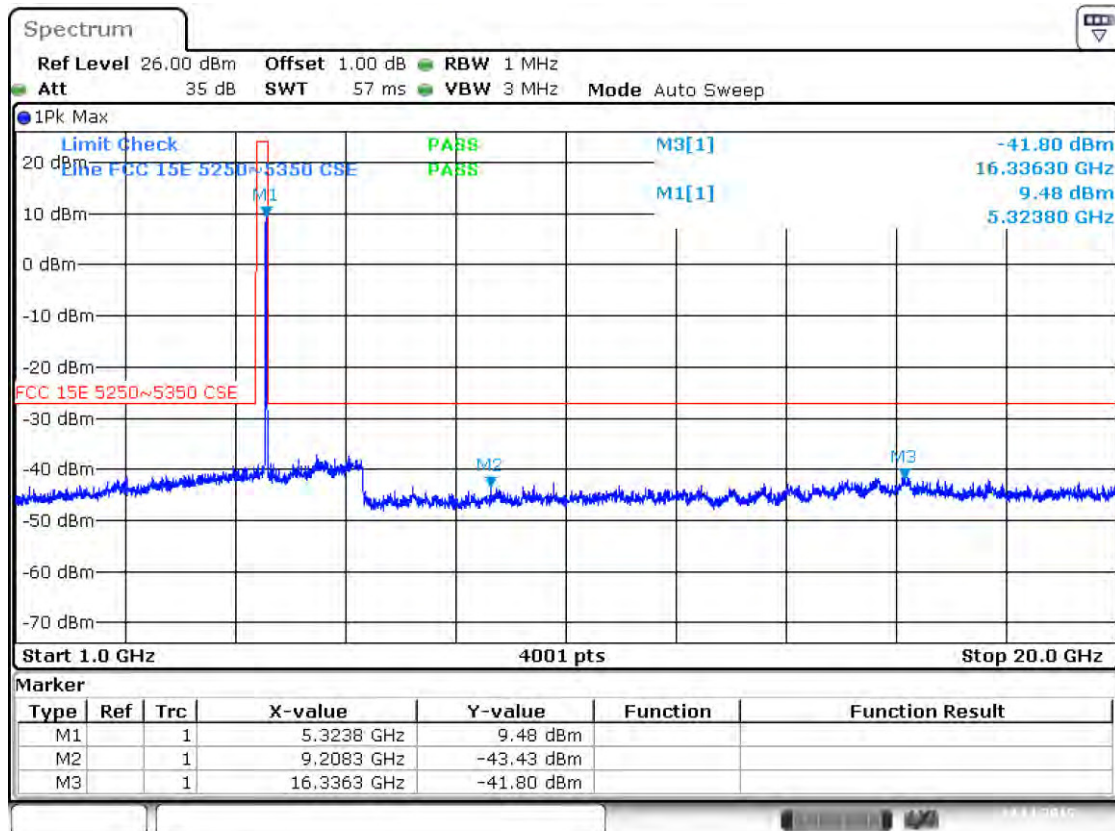
Date: 24.NOV.2015 18:23:48

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



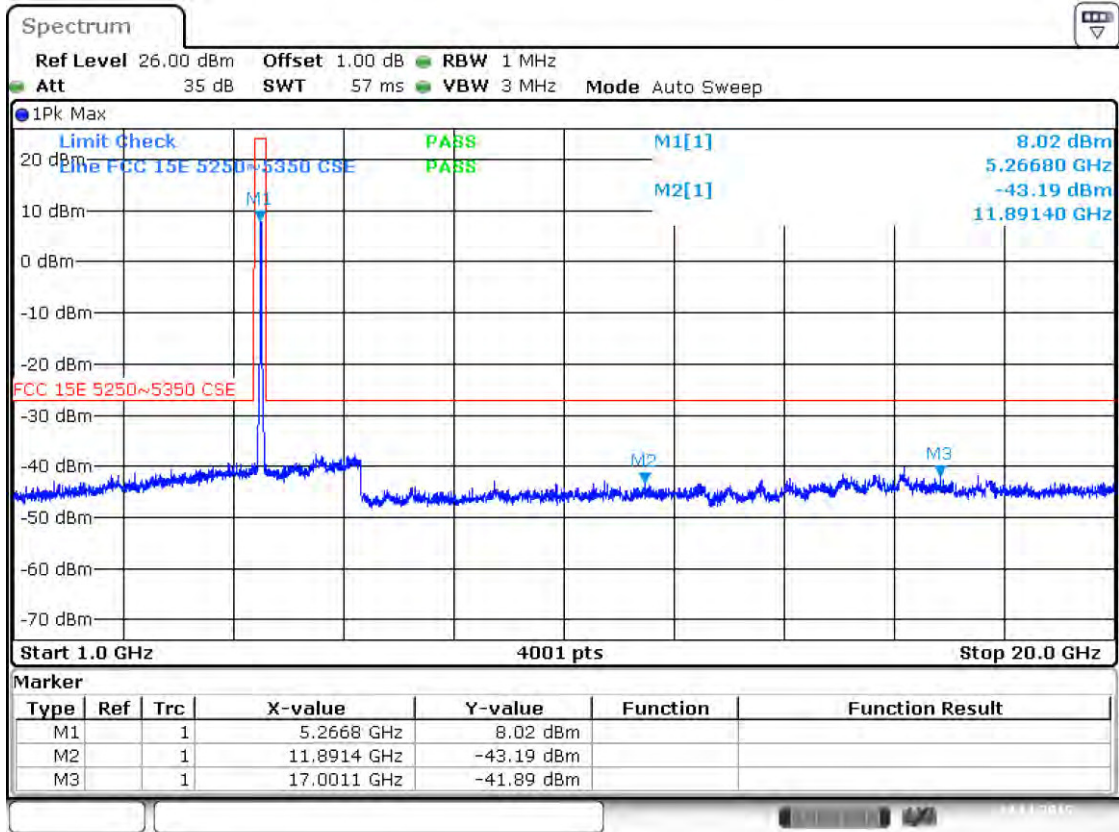
Date: 24.NOV.2015 18:25:32

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



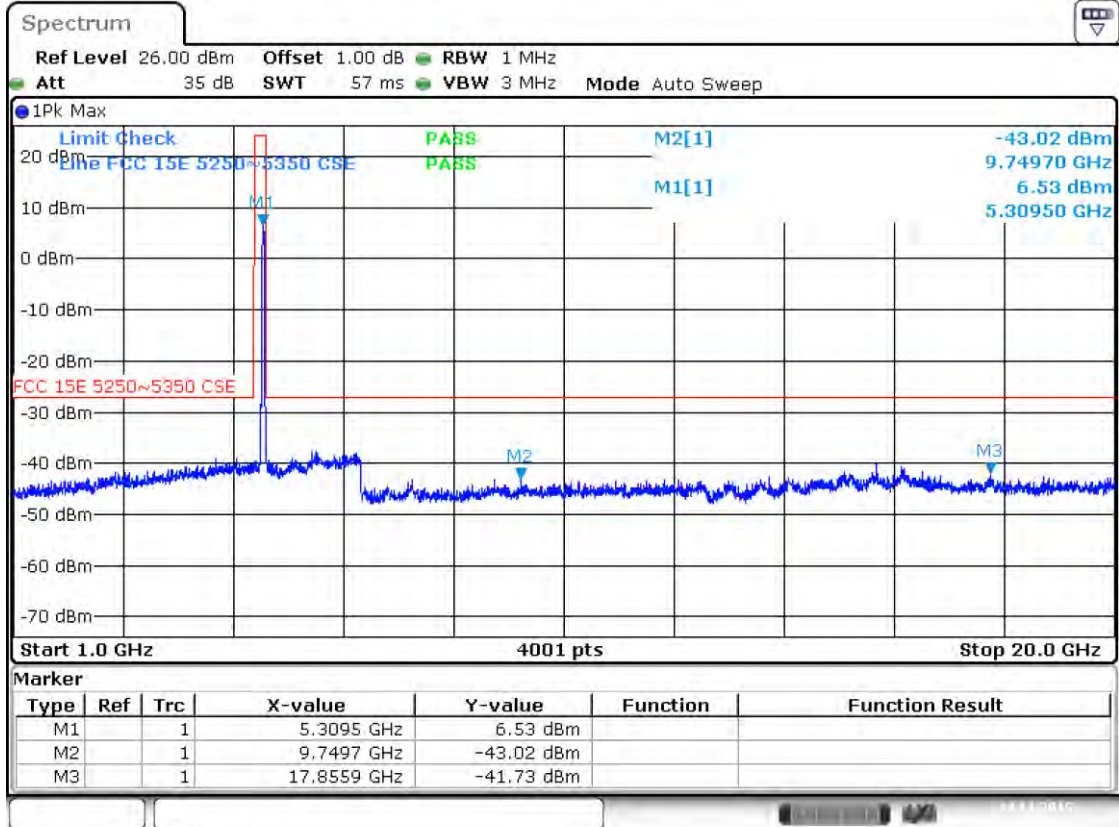
Date: 24.NOV.2015 18:26:53

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



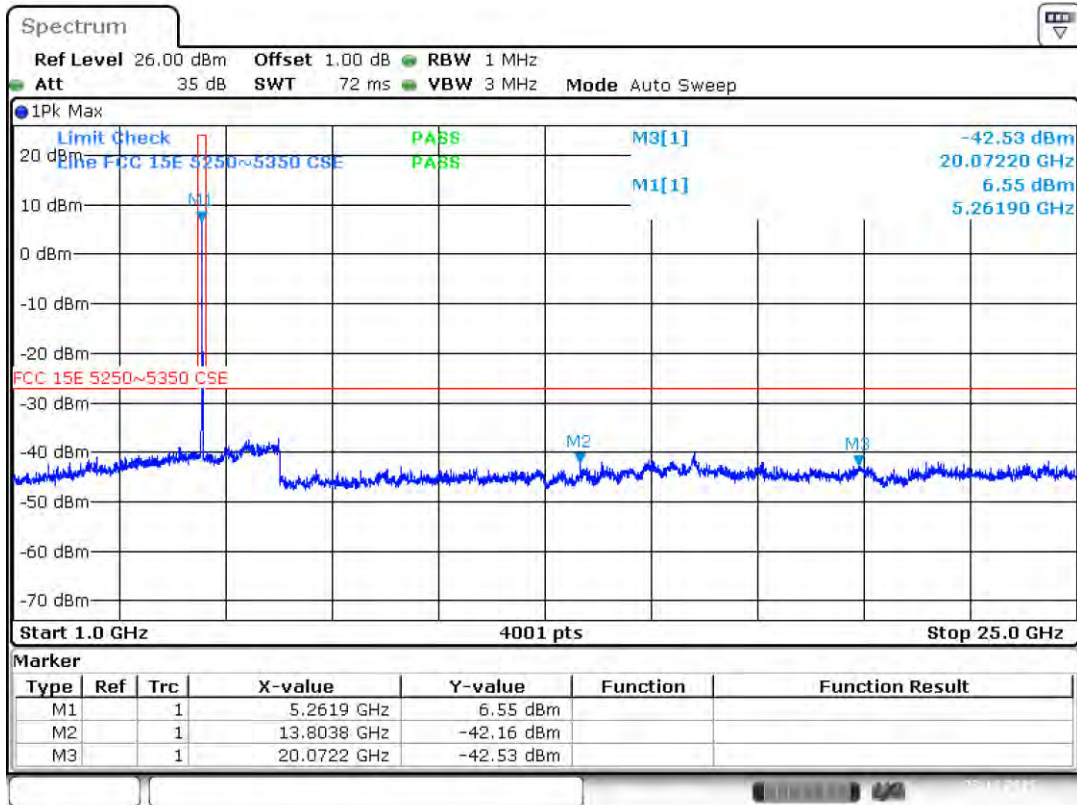
Date: 24.NOV.2015 19:02:34

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



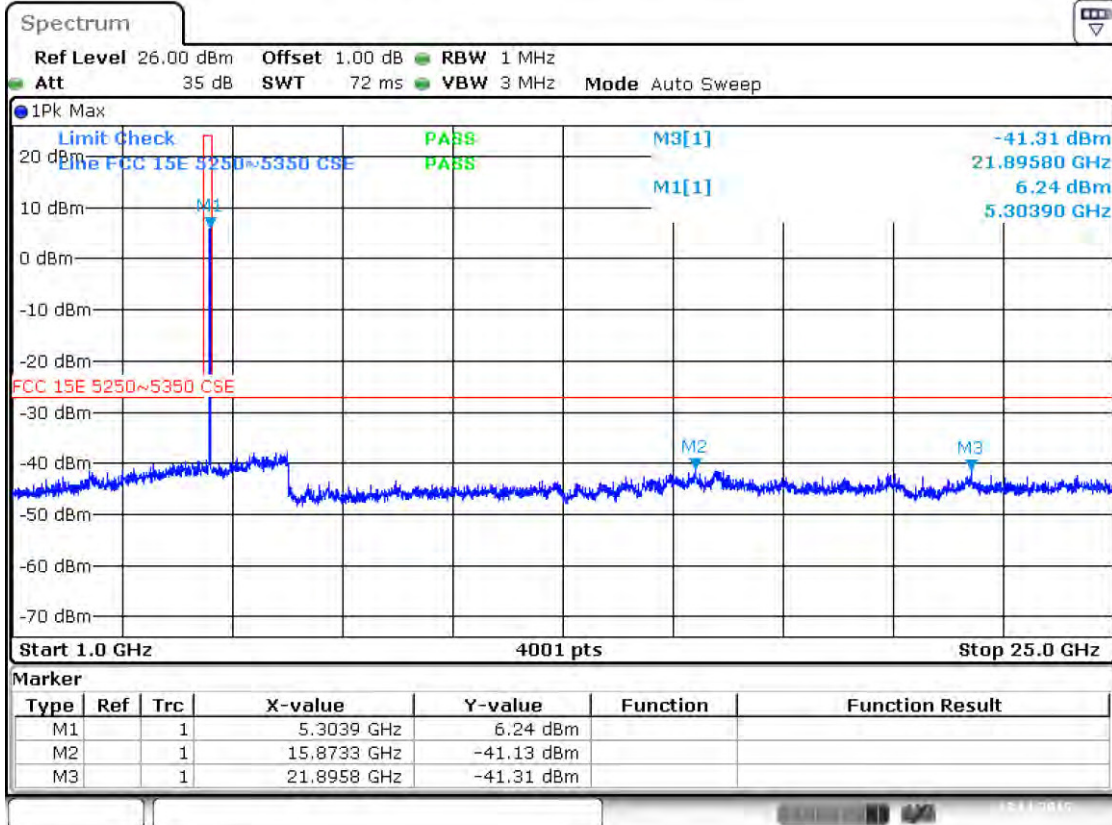
Date: 24.NOV.2015 19:04:04

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



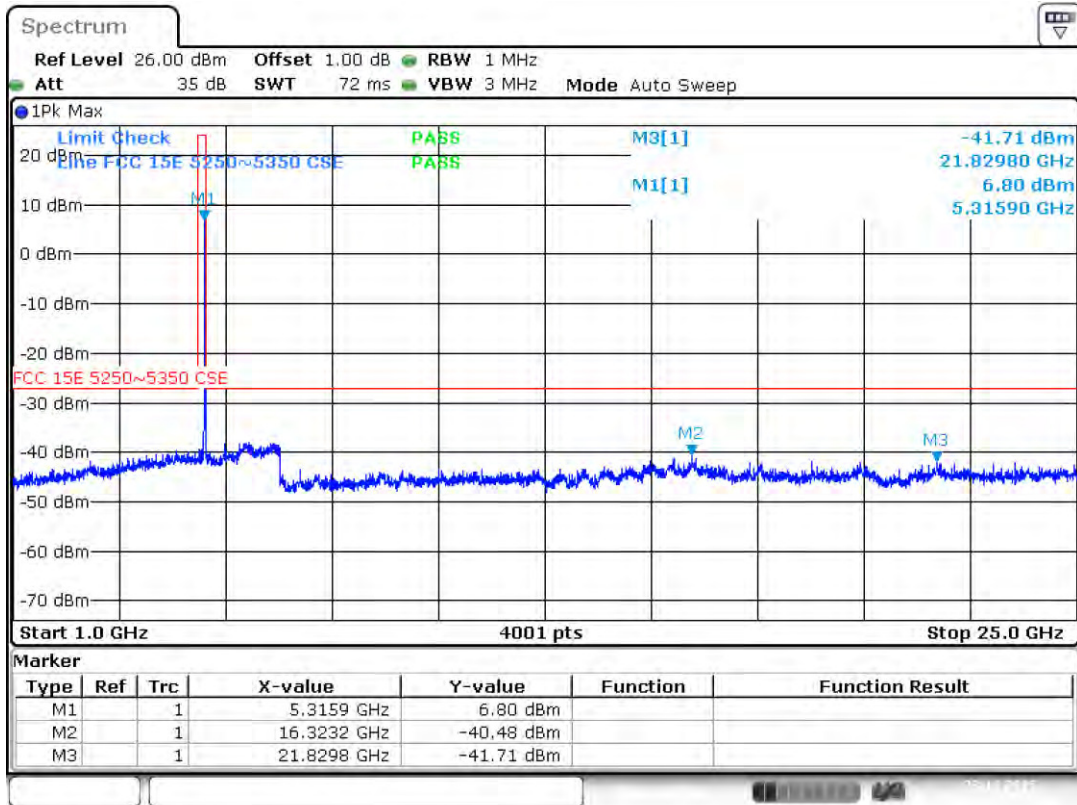
Date: 23.NOV.2015 15:10:20

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



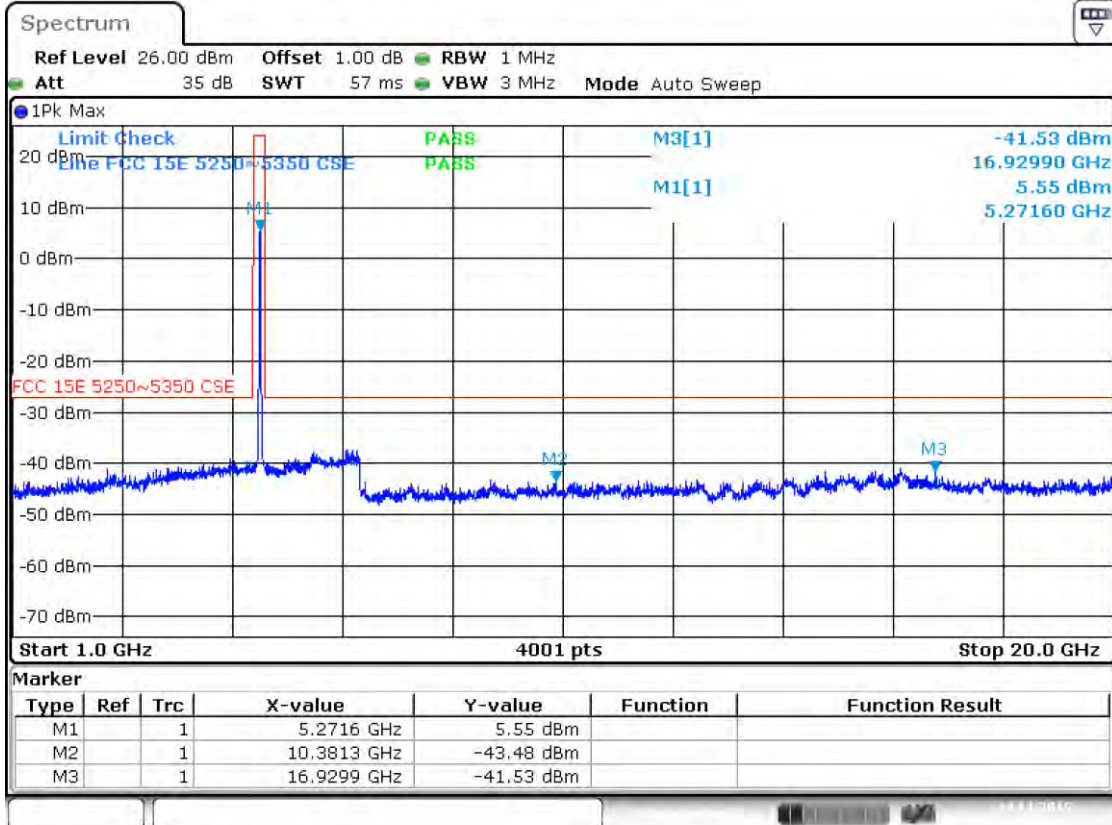
Date: 23.NOV.2015 15:12:29

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



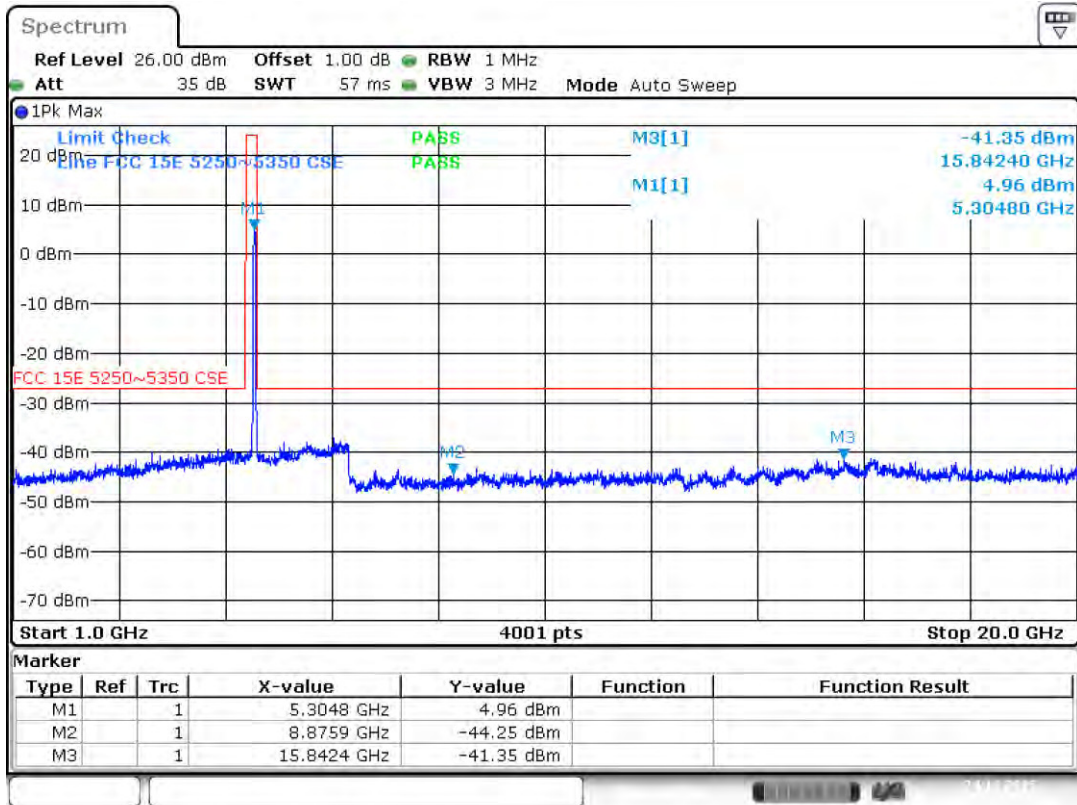
Date: 23.NOV.2015 15:14:07

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



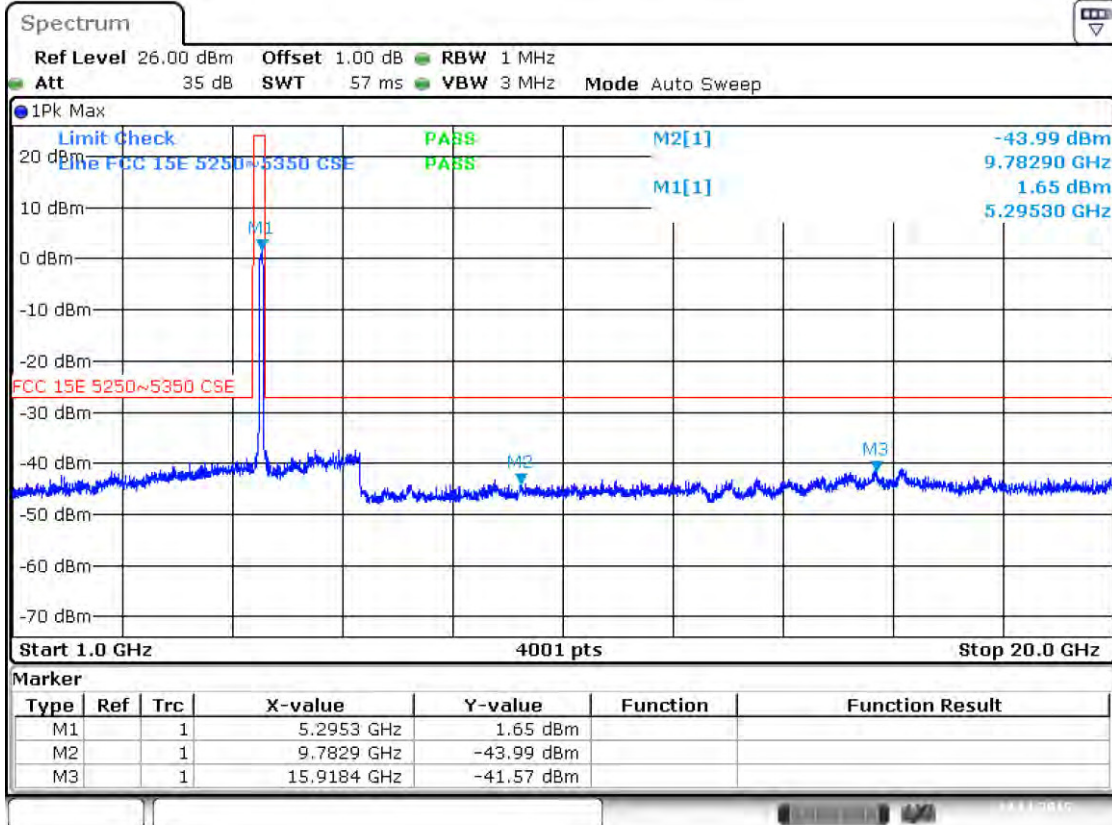
Date: 24.NOV.2015 18:49:08

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



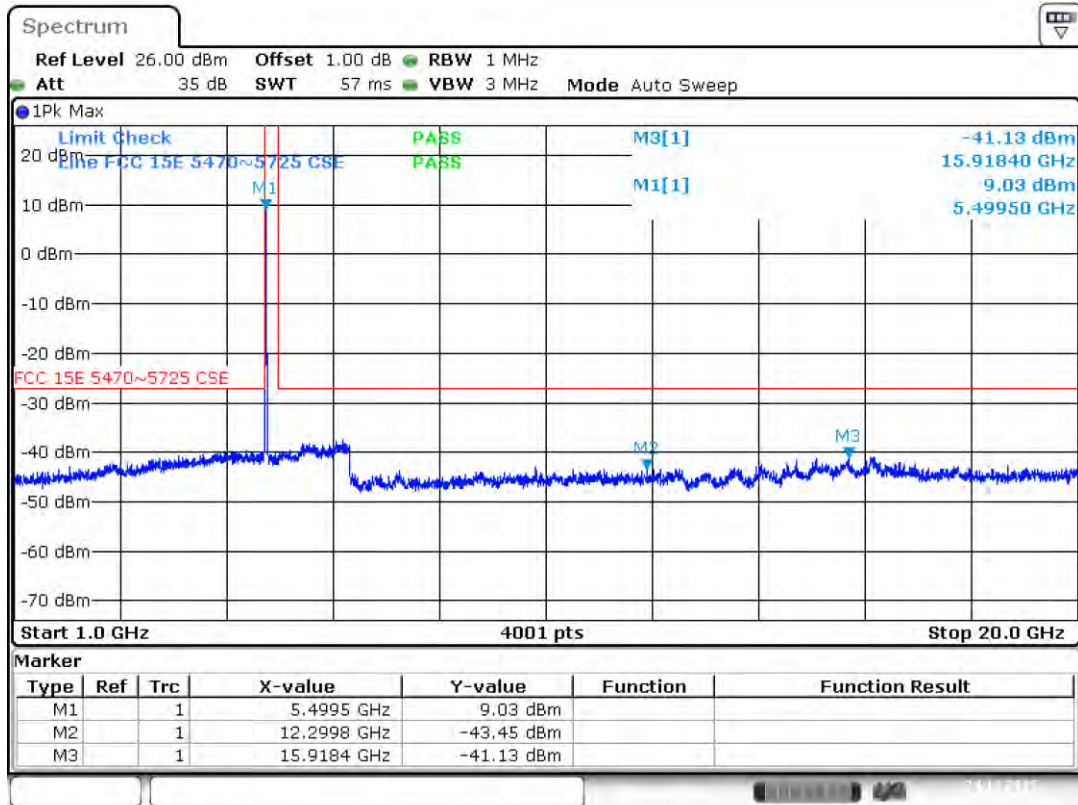
Date: 24.NOV.2015 18:51:20

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



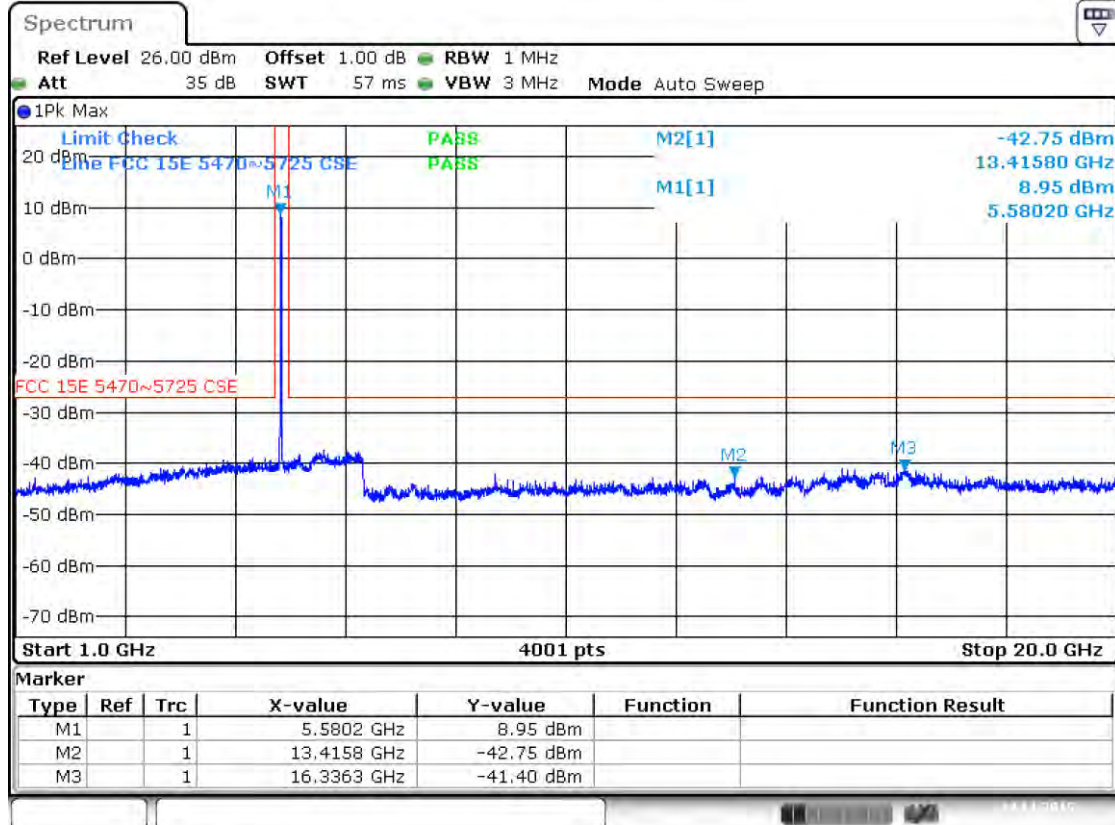
Date: 24.NOV.2015 19:14:50

Band III 11a CH100 (1 ~ 20 GHz)



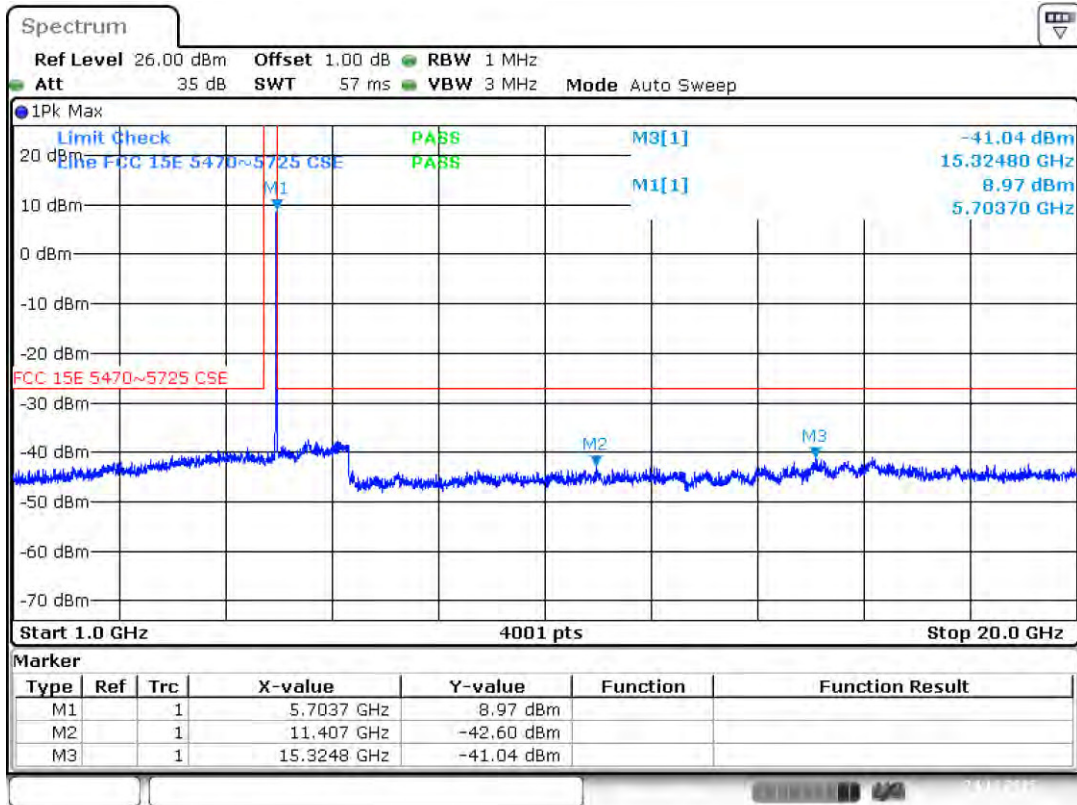
Date: 24.NOV.2015 18:01:51

Band III 11a CH116 (1 ~ 20 GHz)



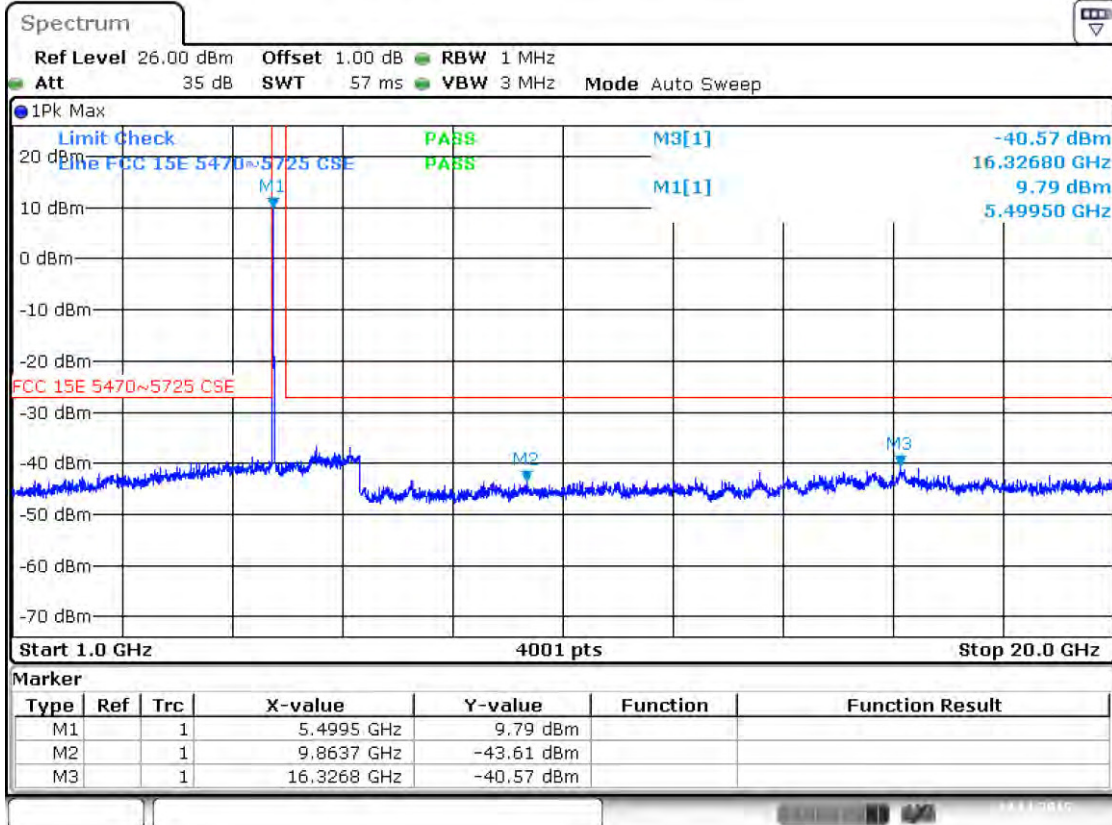
Date: 24.NOV.2015 18:03:39

Band III 11a CH140 (1 ~ 20 GHz)



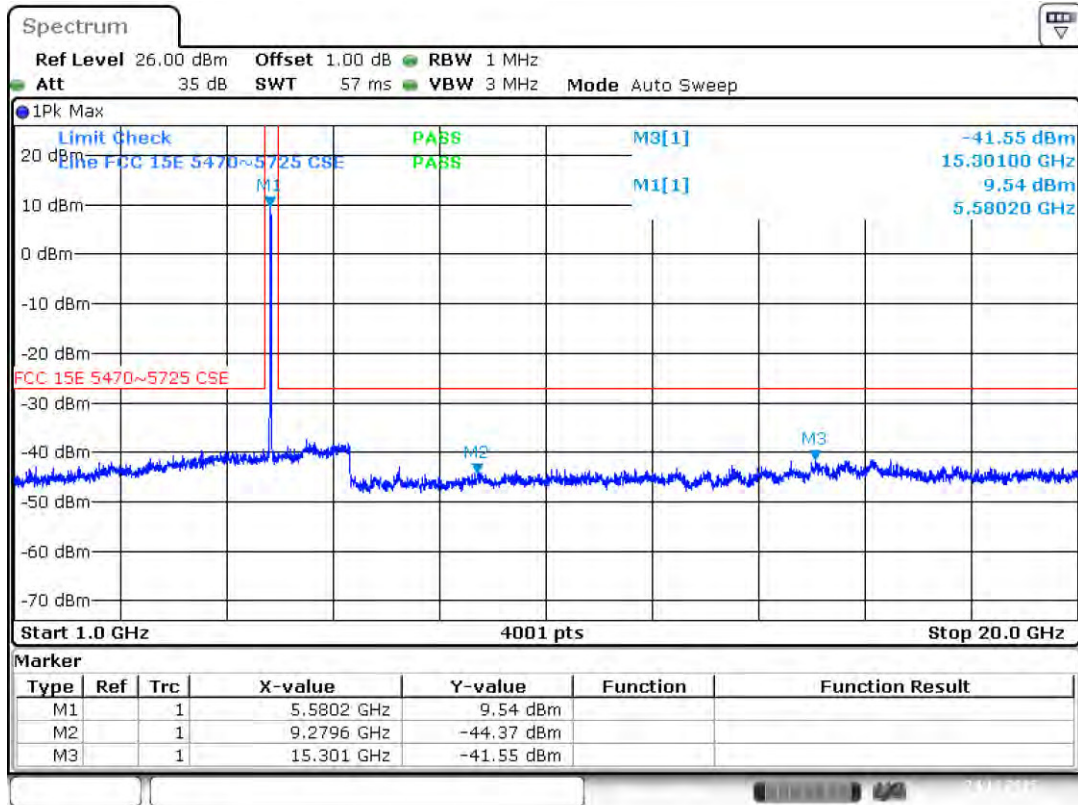
Date: 24.NOV.2015 18:05:25

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



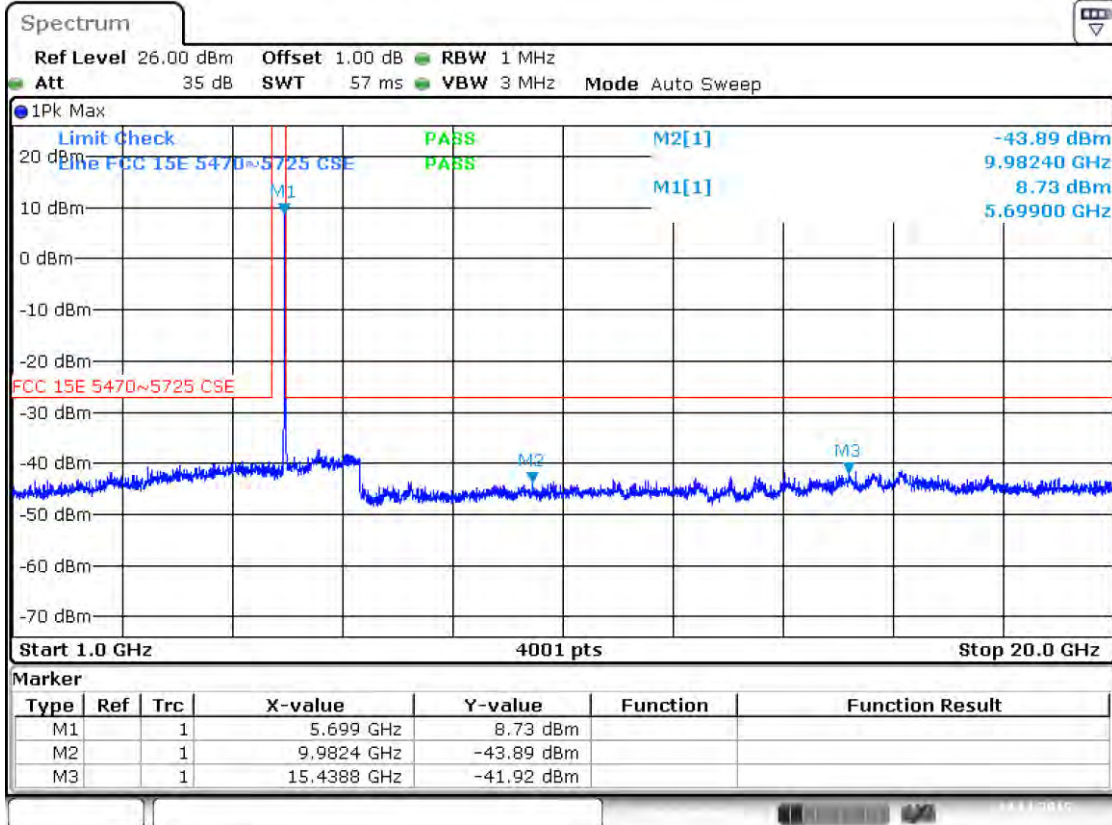
Date: 24.NOV.2015 18:28:43

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



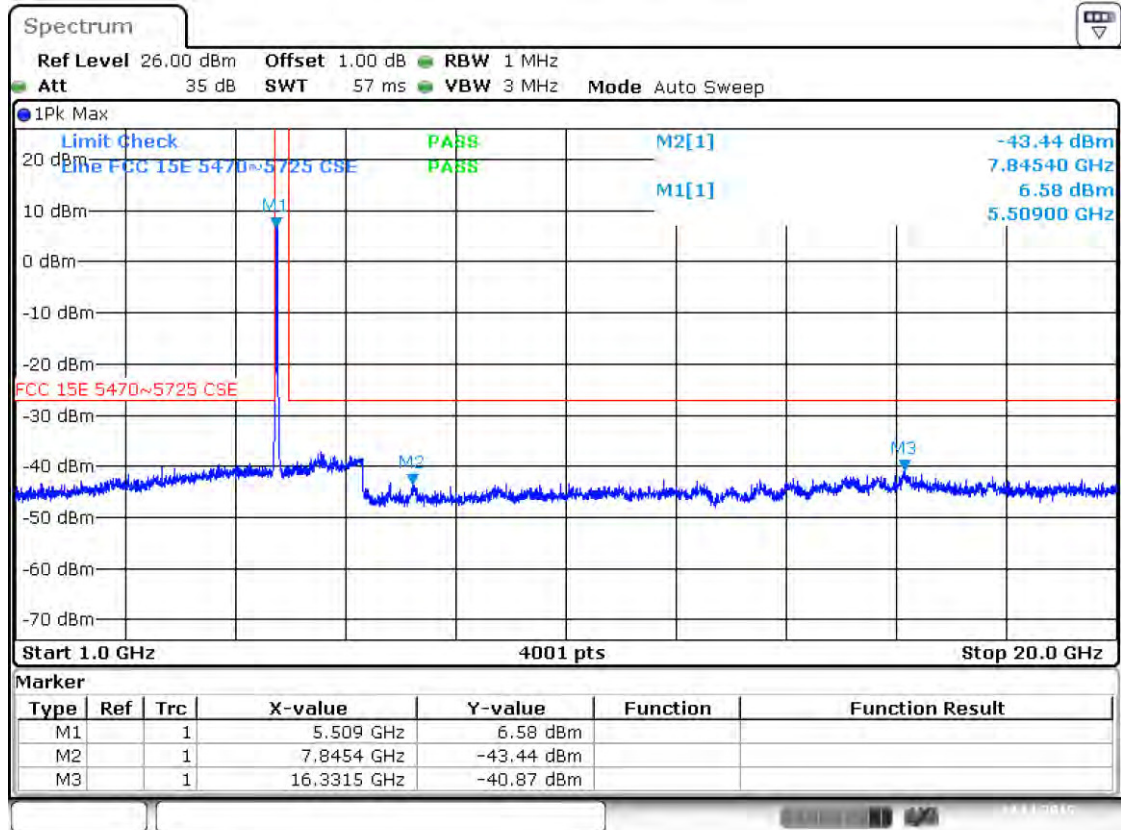
Date: 24.NOV.2015 18:30:05

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



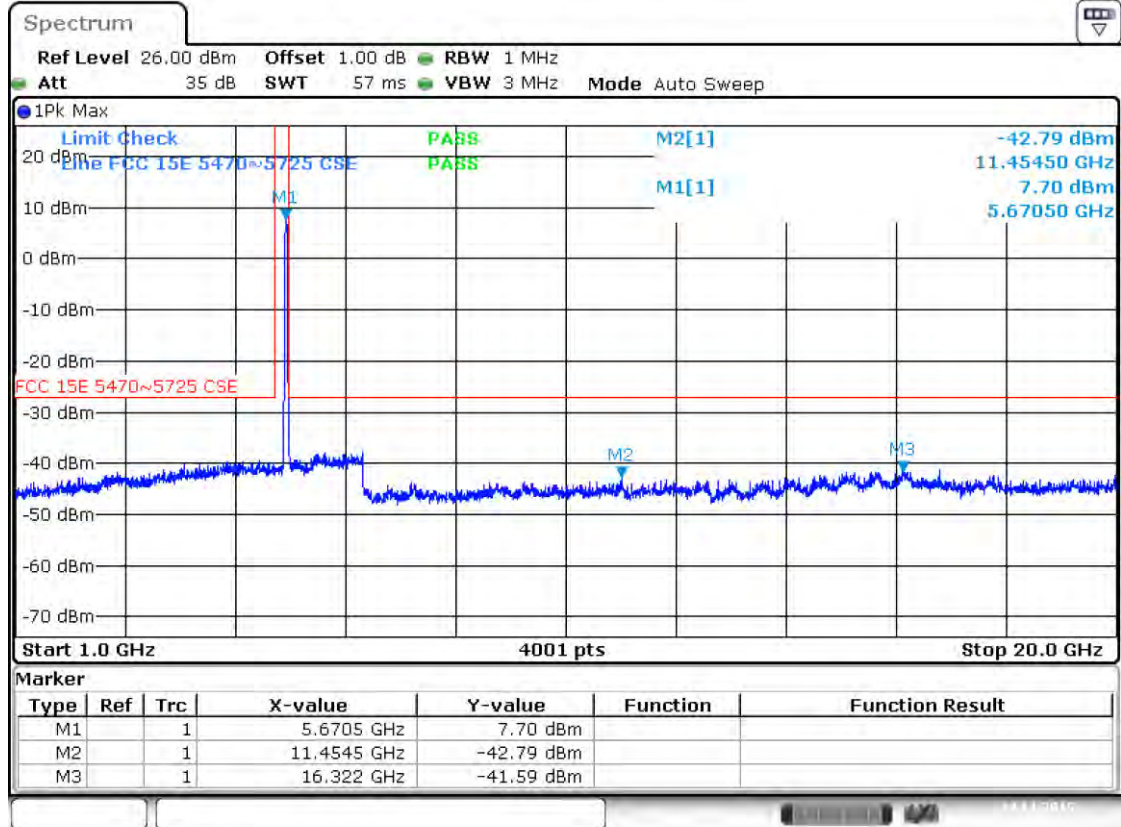
Date: 24.NOV.2015 18:31:29

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



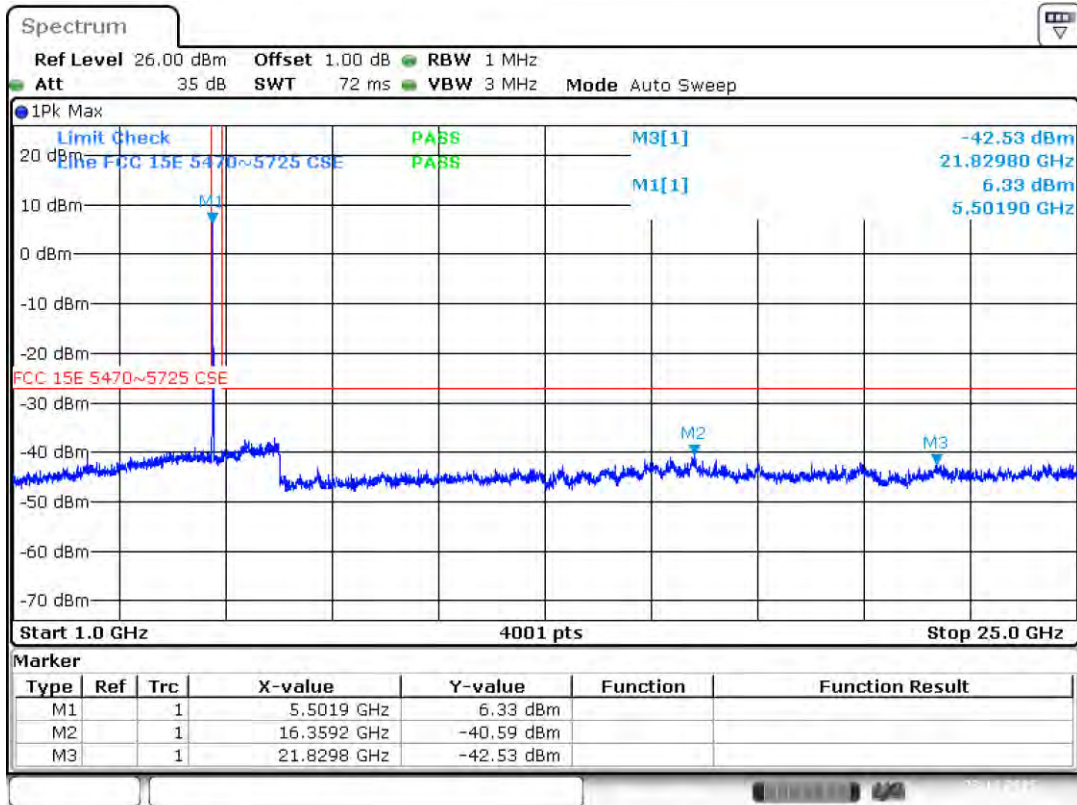
Date: 24.NOV.2015 19:05:35

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



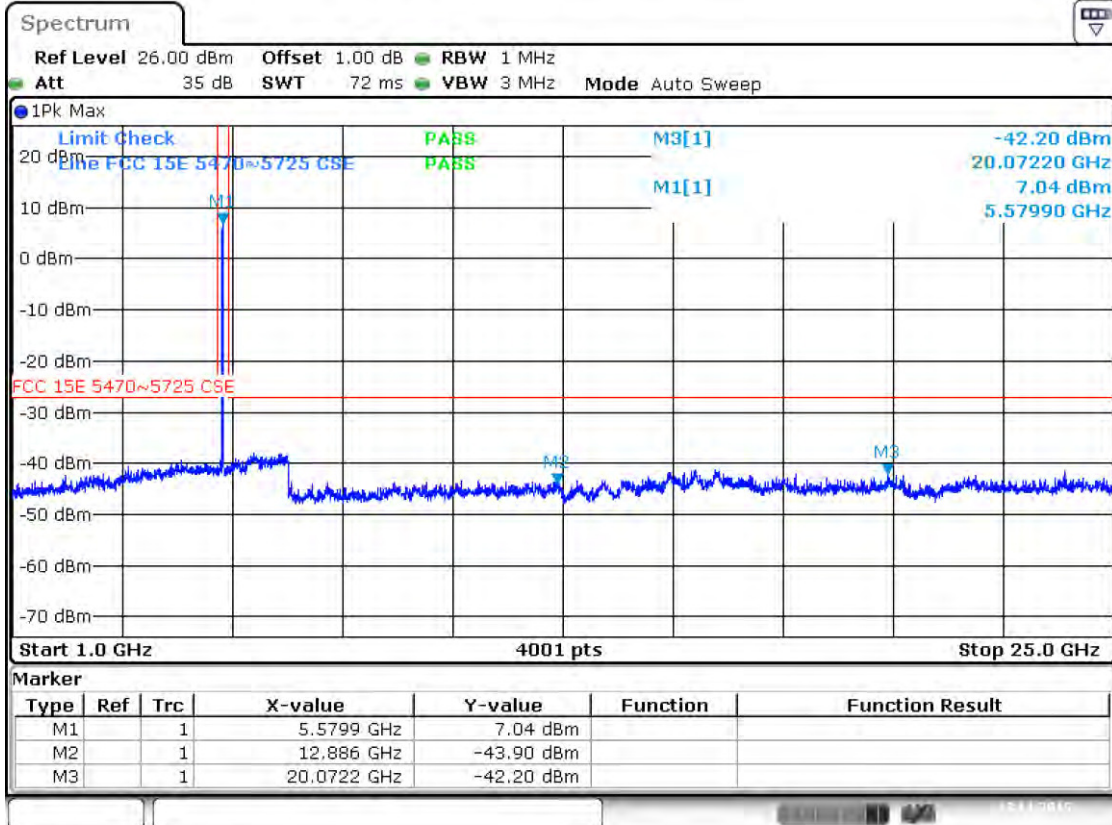
Date: 24.NOV.2015 19:07:12

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



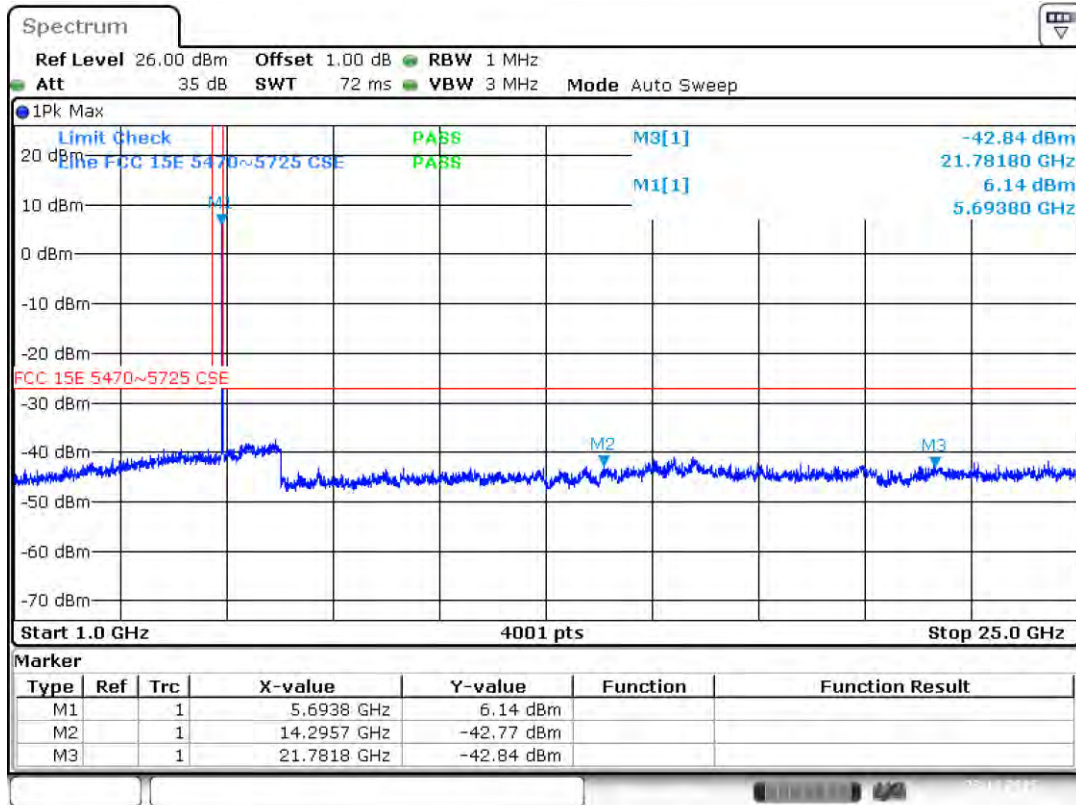
Date: 23.NOV.2015 15:16:04

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



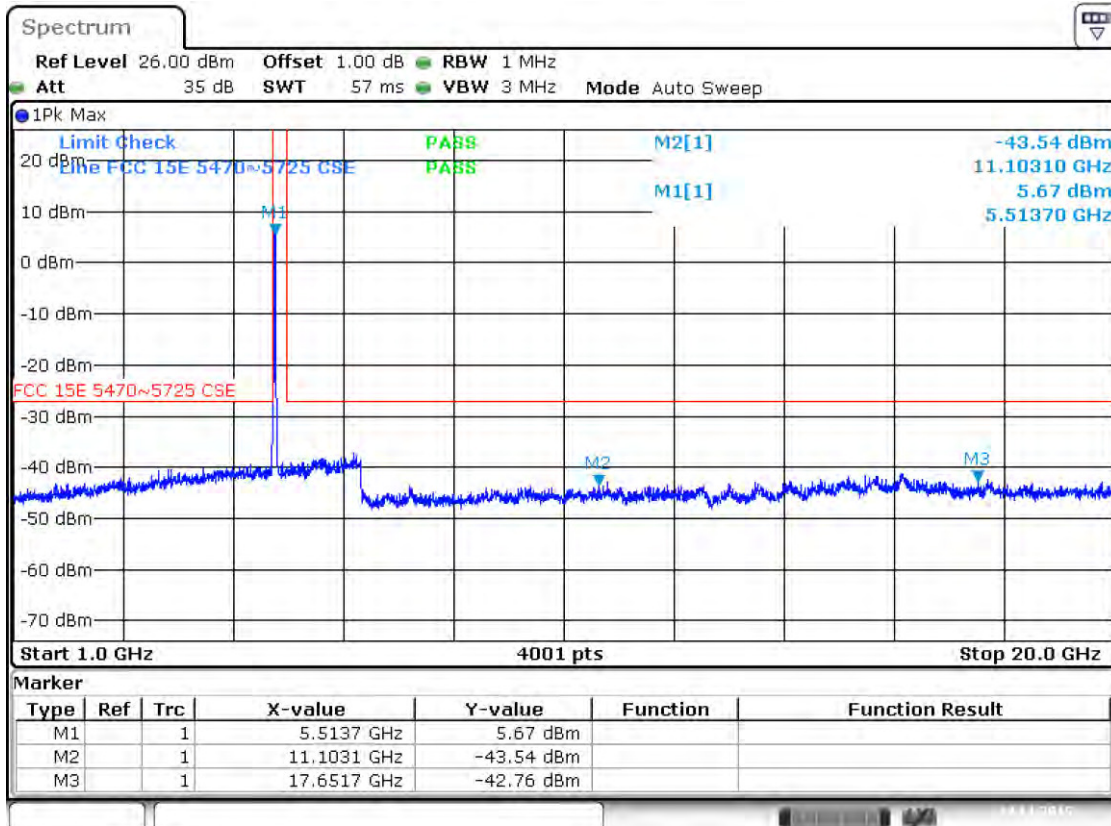
Date: 23.NOV.2015 15:17:34

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



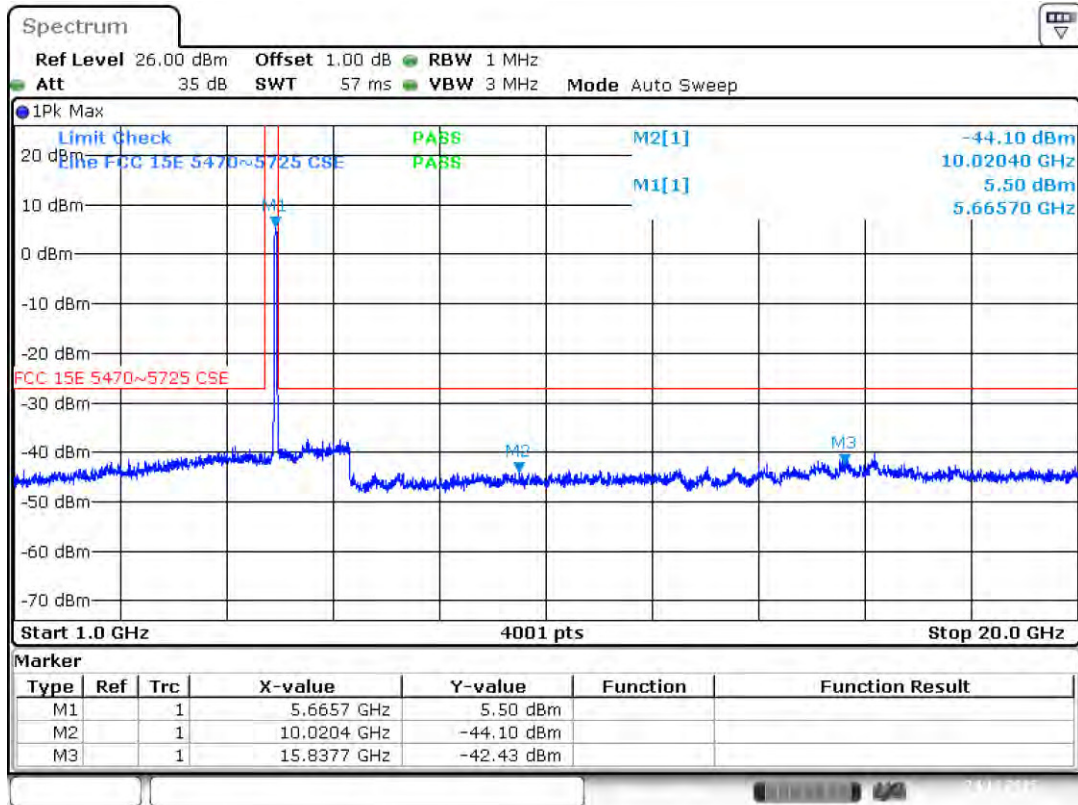
Date: 23.NOV.2015 15:20:18

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



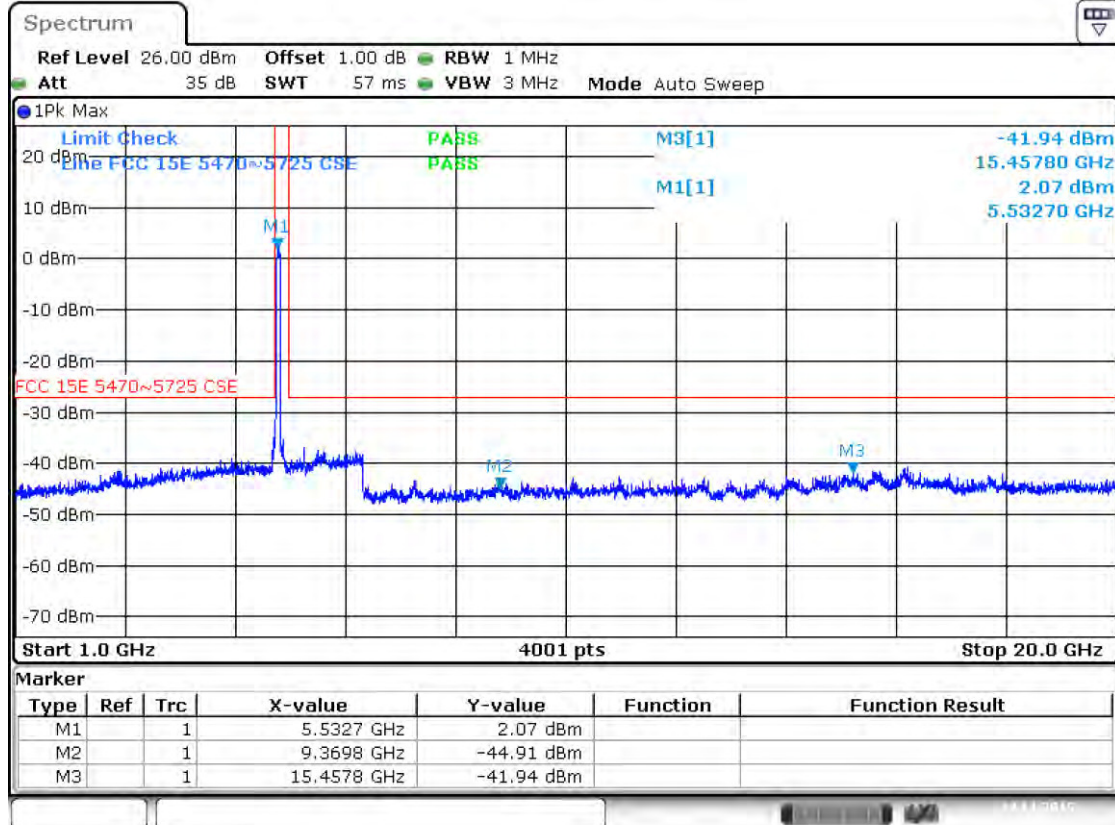
Date: 24.NOV.2015 18:53:04

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



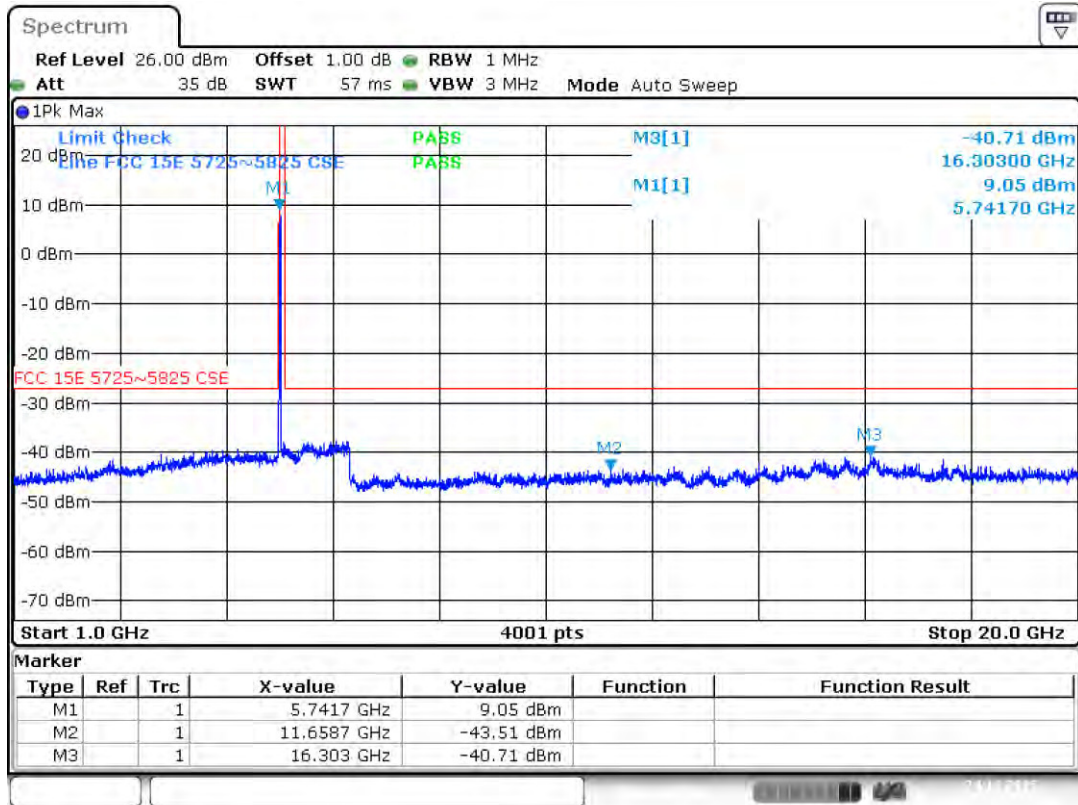
Date: 24.NOV.2015 18:54:27

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



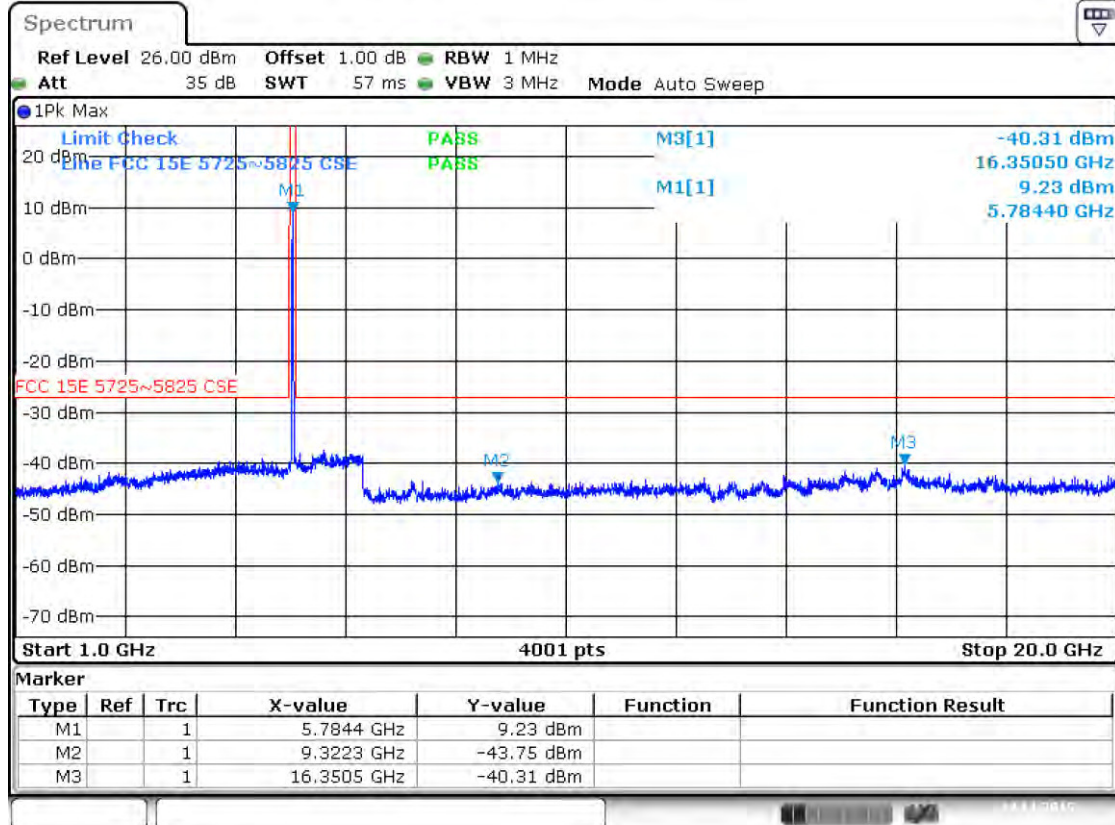
Date: 24.NOV.2015 19:16:42

Band IV 11a CH149 (1 ~ 20 GHz)



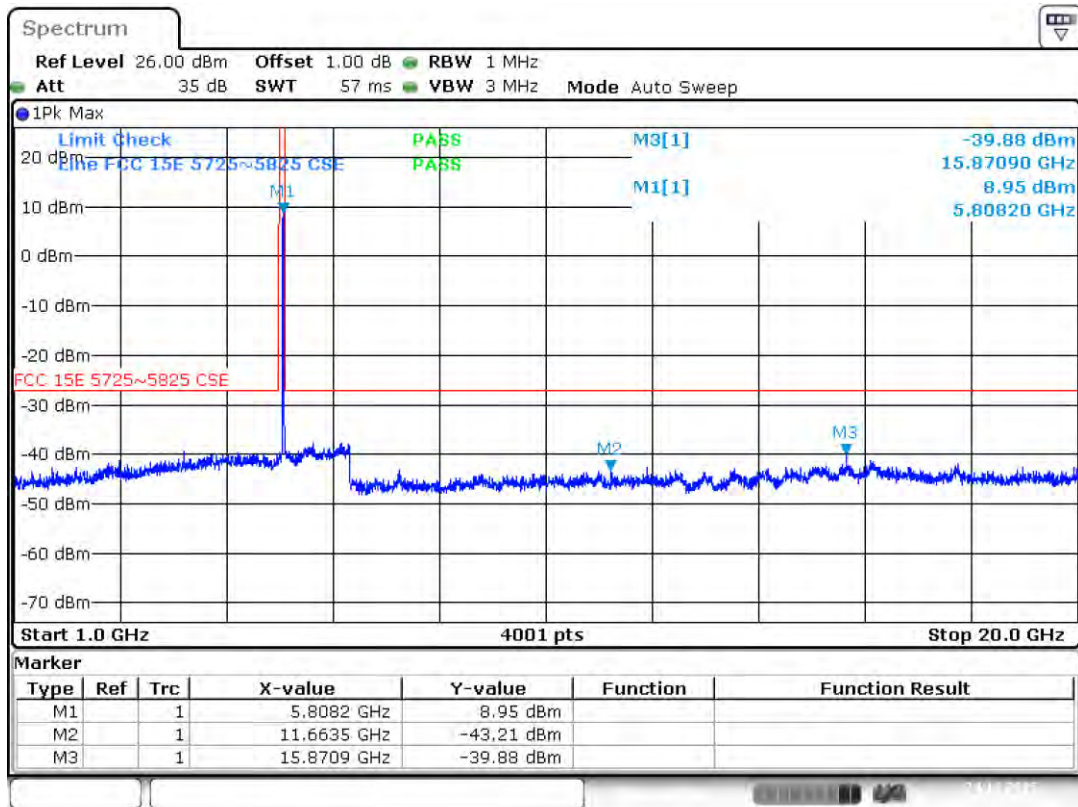
Date: 24.NOV.2015 18:07:51

Band IV 11a CH157 (1 ~ 20 GHz)



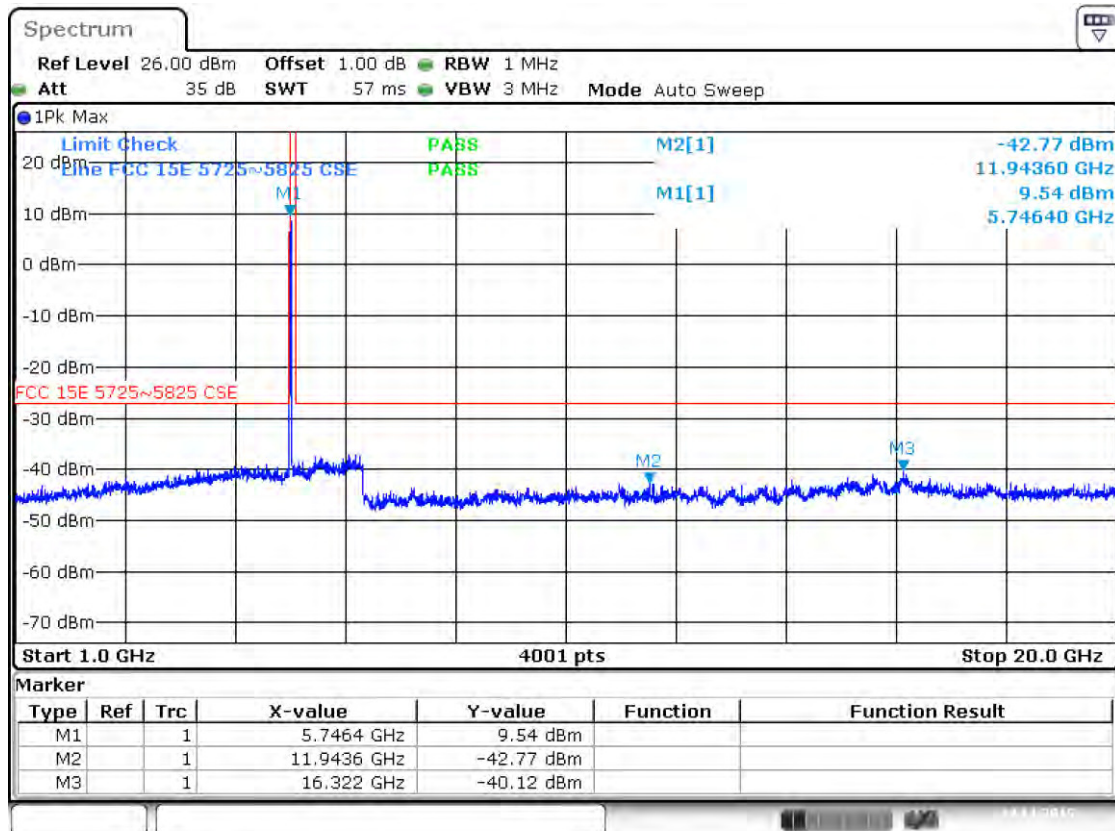
Date: 24.NOV.2015 18:09:42

Band IV 11a CH161 (1 ~ 20 GHz)



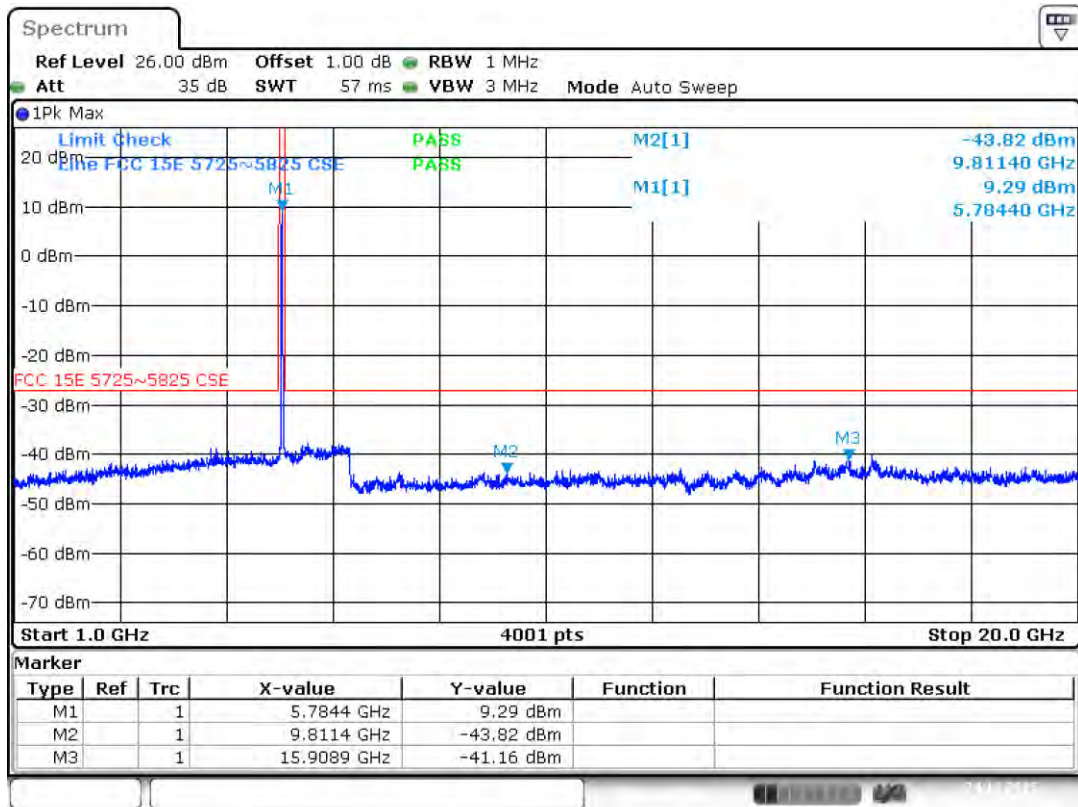
Date: 24.NOV.2015 18:11:07

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



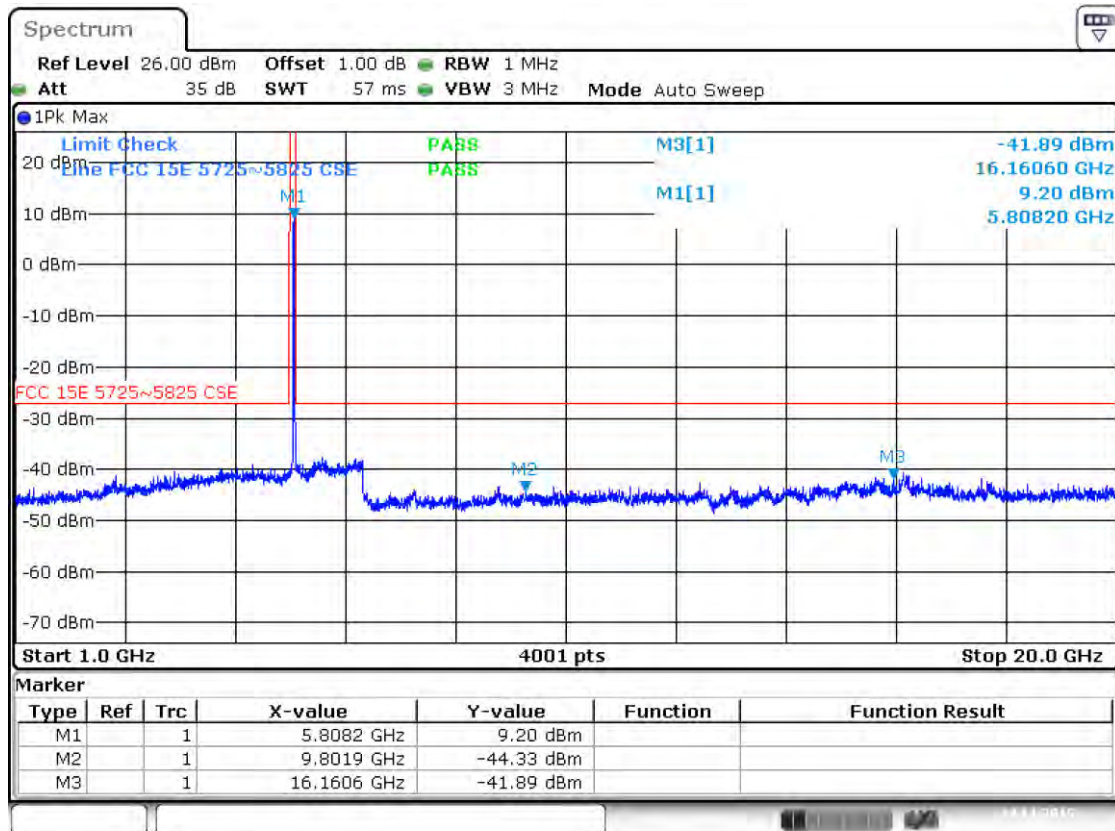
Date: 24.NOV.2015 18:33:45

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



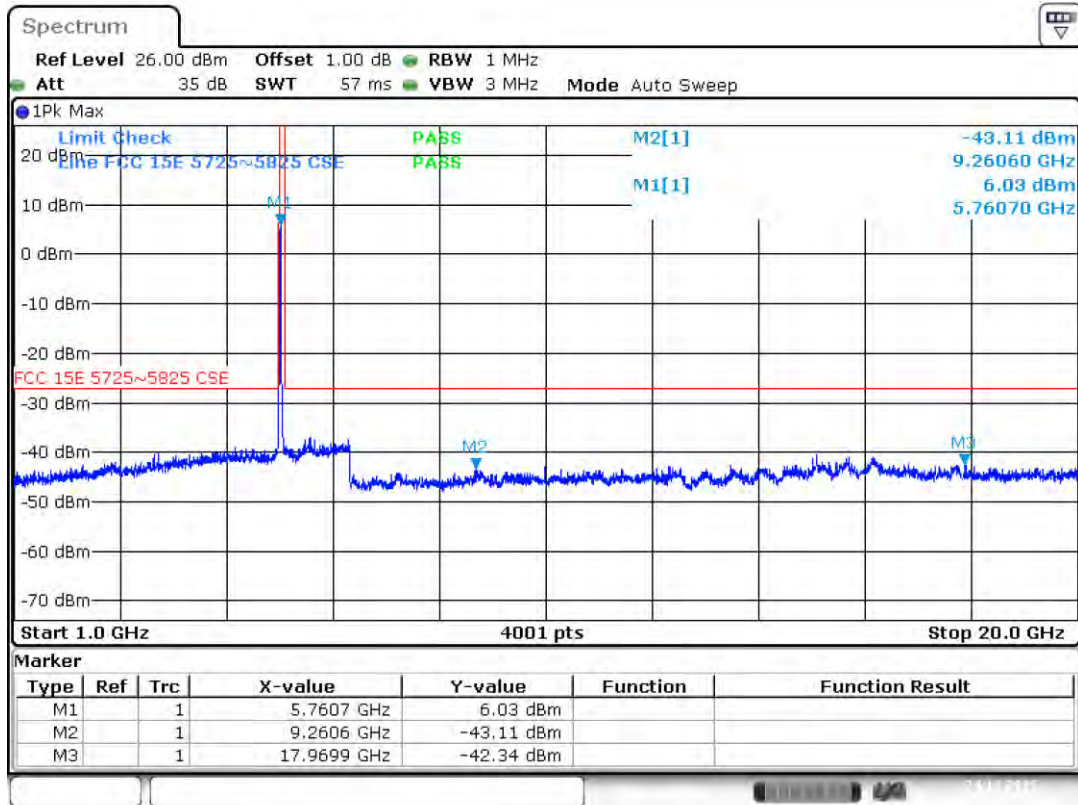
Date: 24.NOV.2015 18:35:16

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



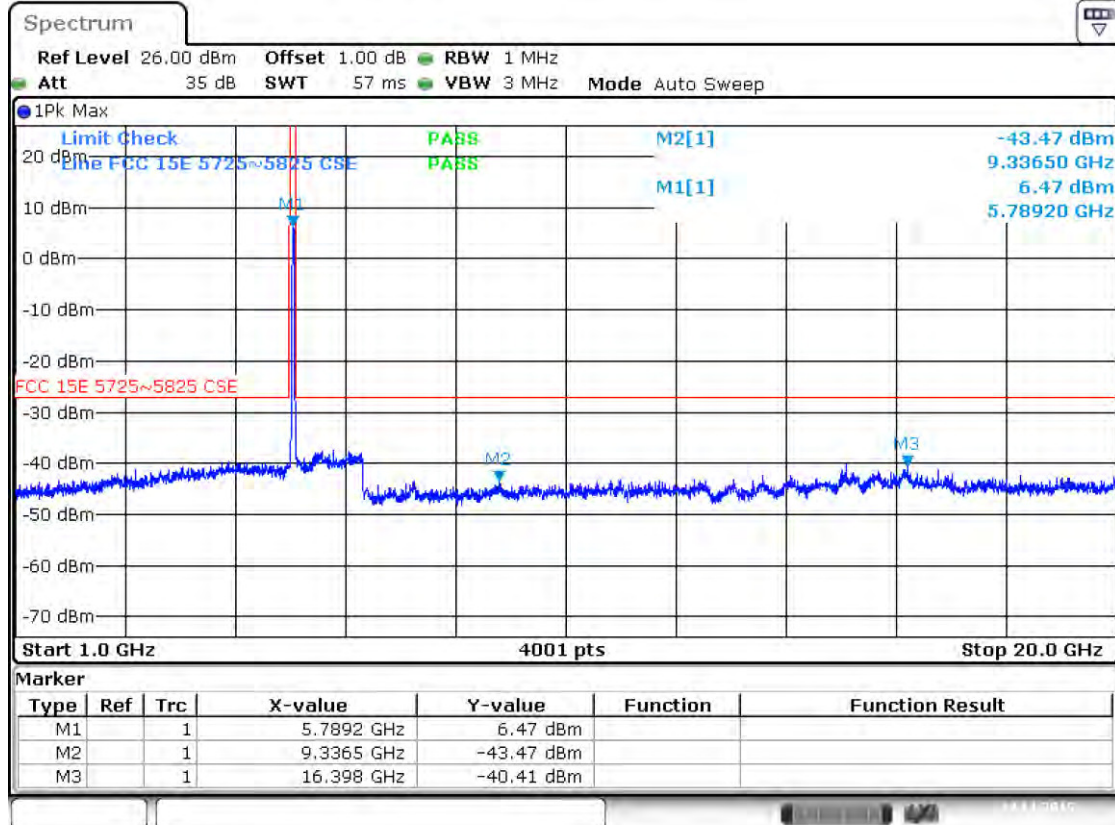
Date: 24.NOV.2015 18:36:39

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



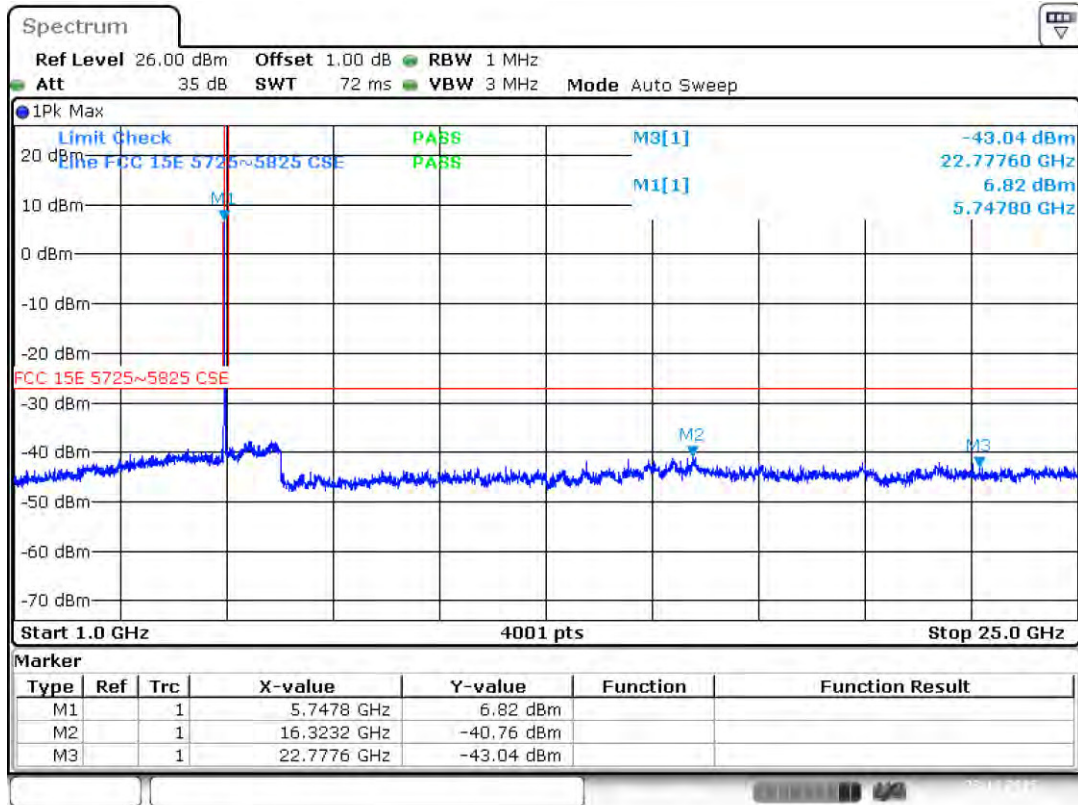
Date: 24.NOV.2015 19:08:55

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



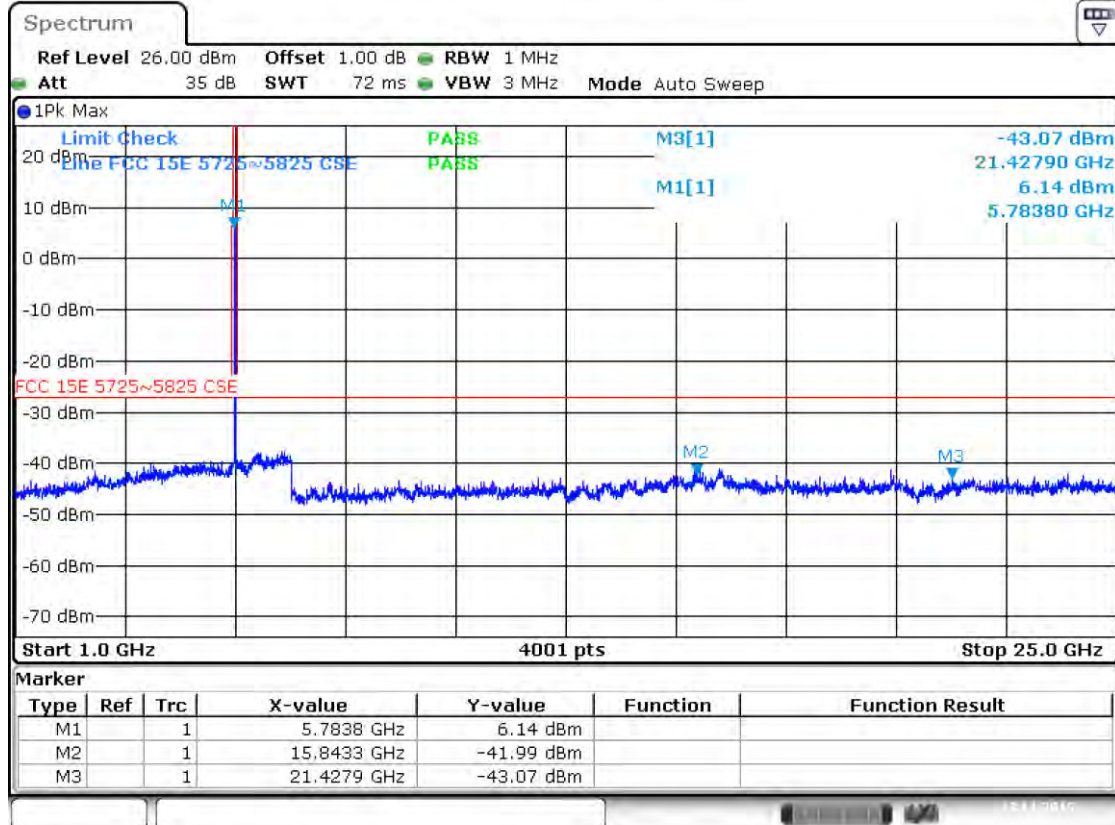
Date: 24.NOV.2015 19:10:21

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



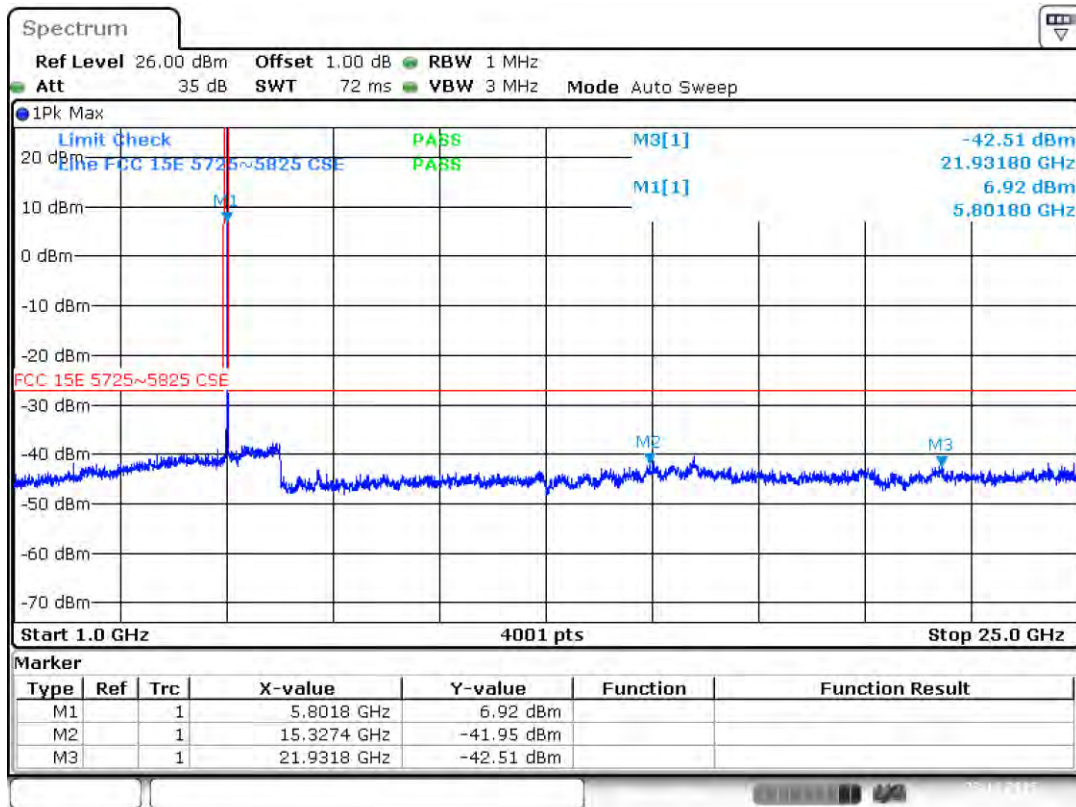
Date: 23.NOV.2015 15:24:02

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



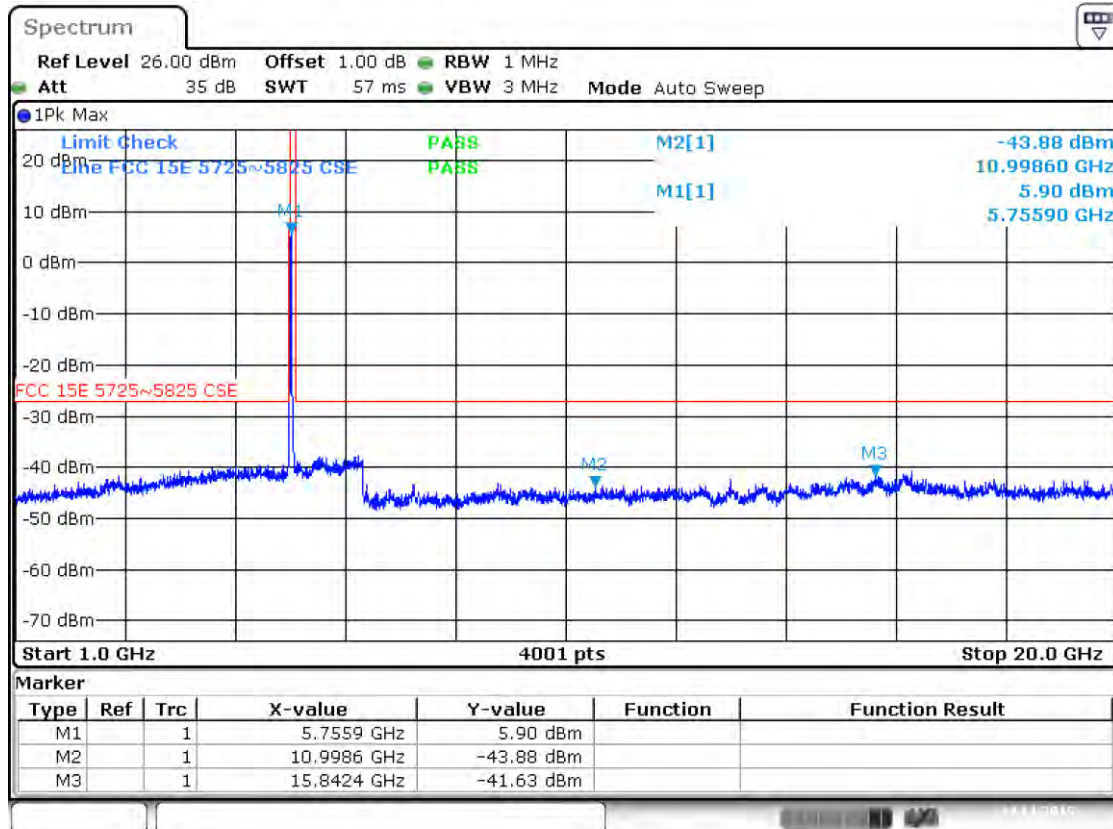
Date: 23.NOV.2015 15:25:34

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



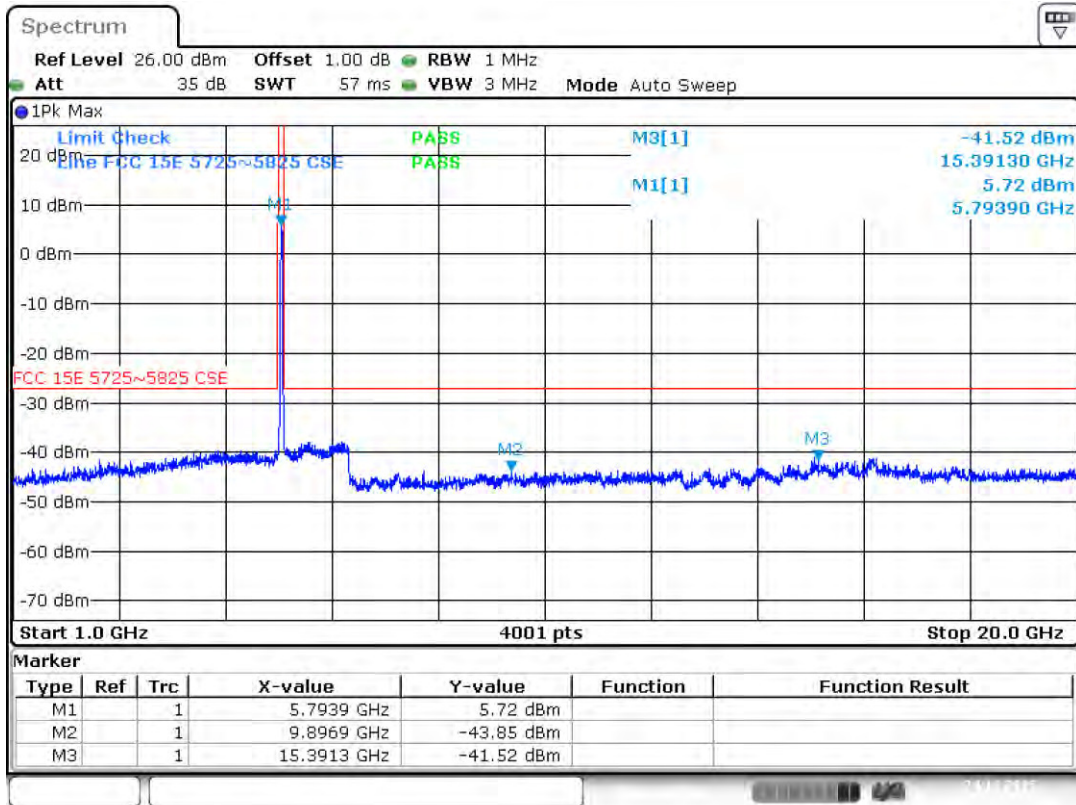
Date: 23.NOV.2015 15:27:02

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



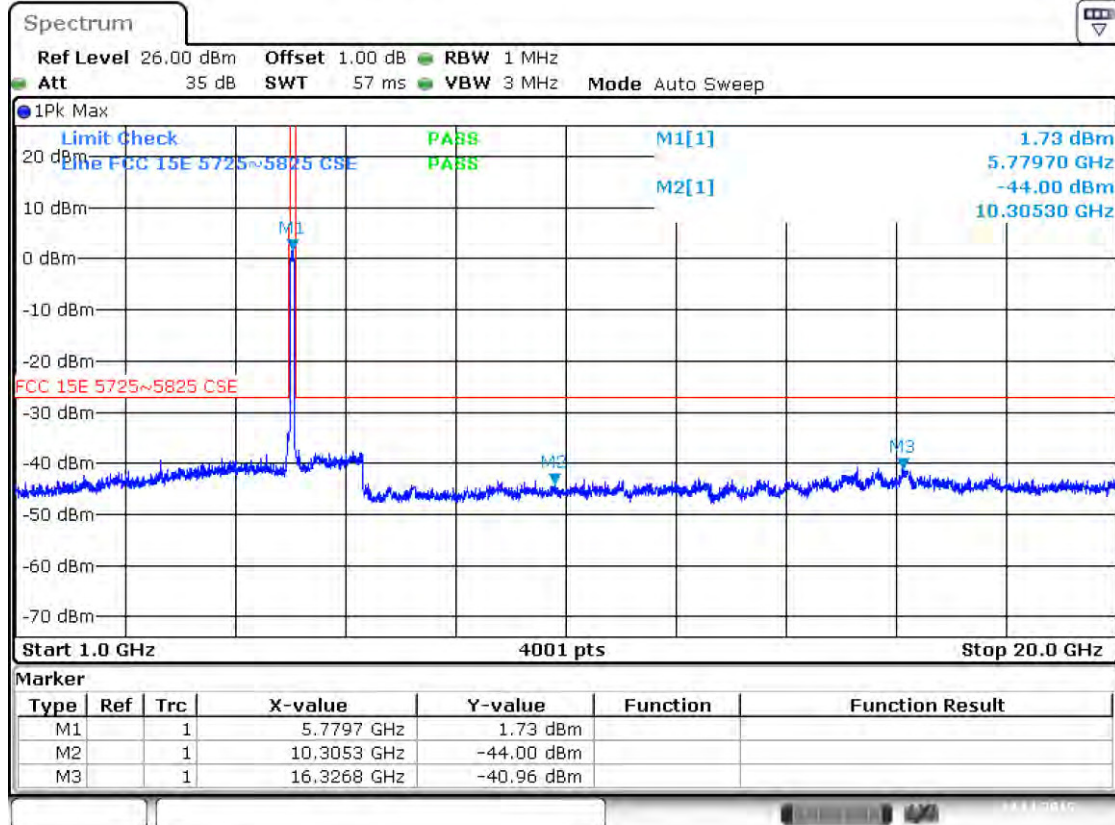
Date: 24.NOV.2015 18:55:53

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.

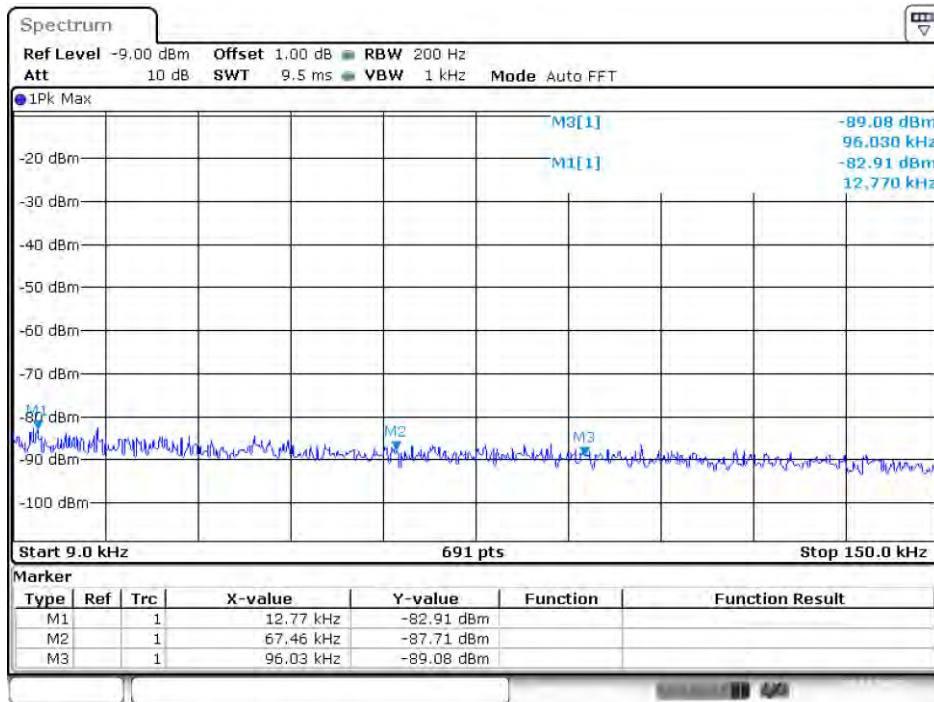
Note 4: The harmonic (2th, 3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

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

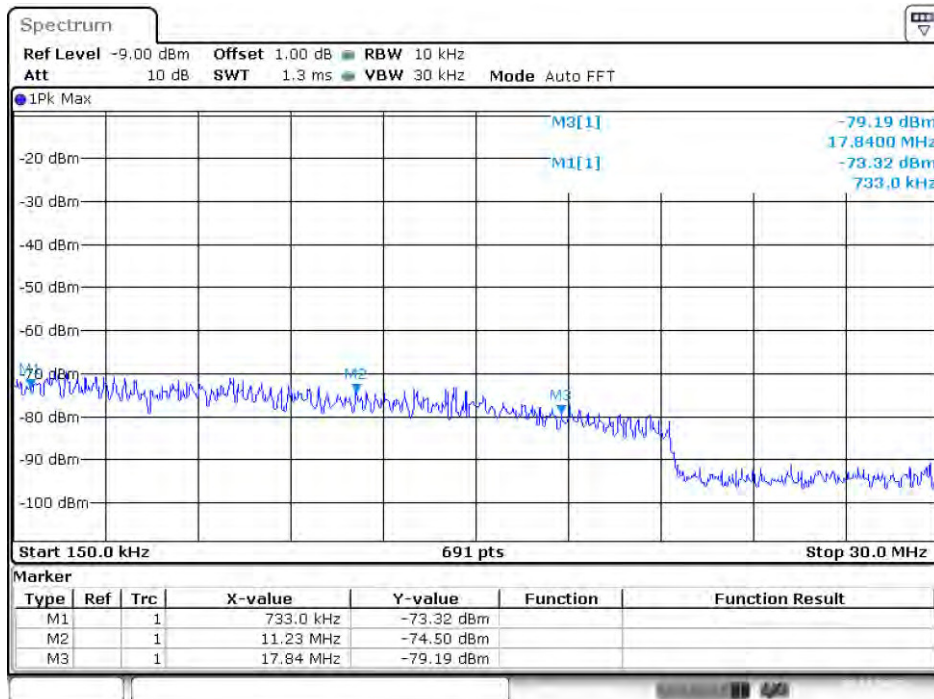
Test Plots

SPURIOUS 9 kHz ~ 150 kHz



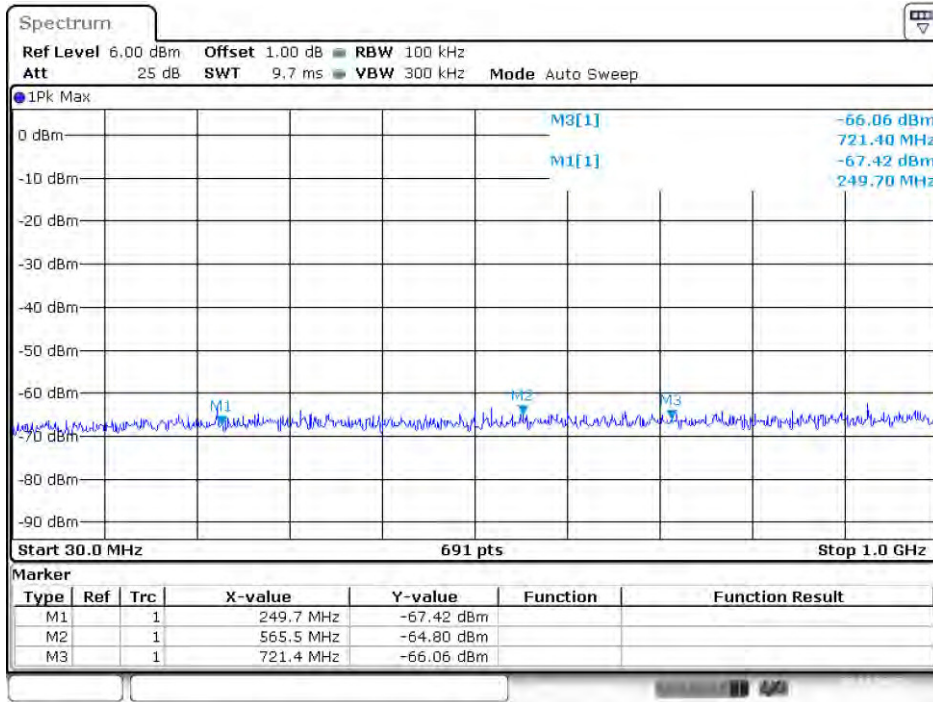
Date: 28.NOV.2015 16:51:46

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.

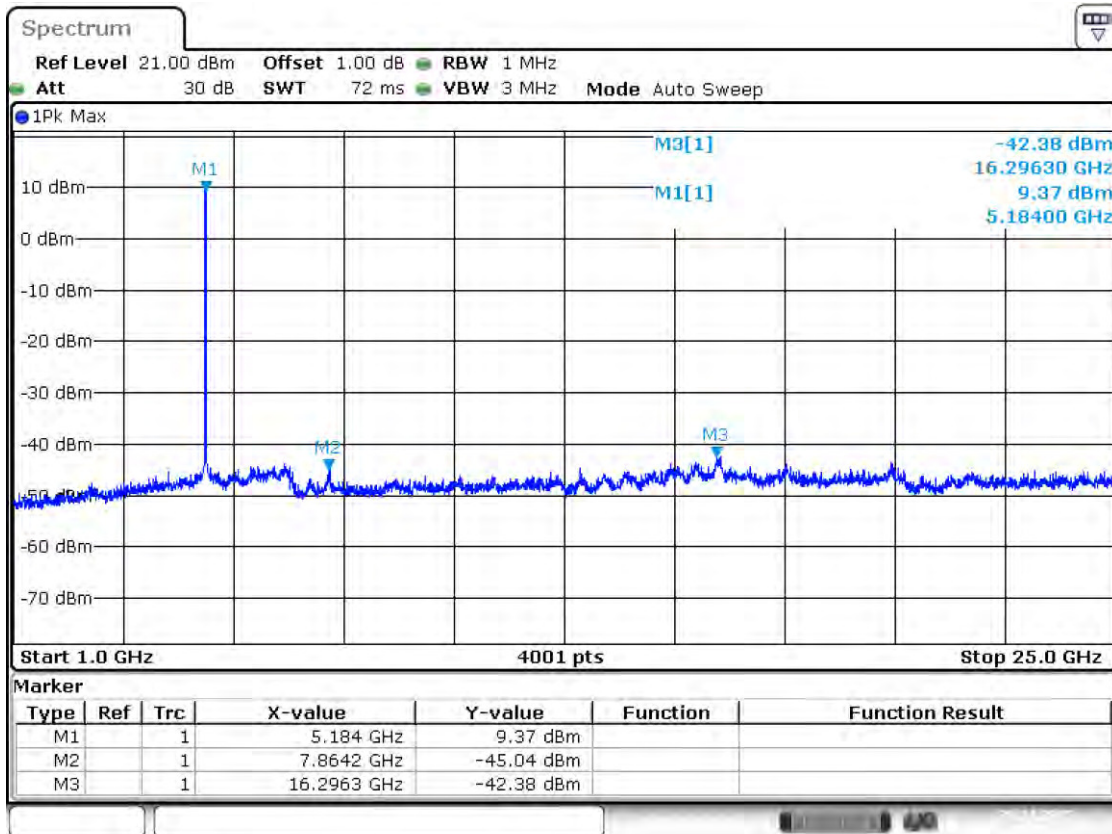
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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



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.

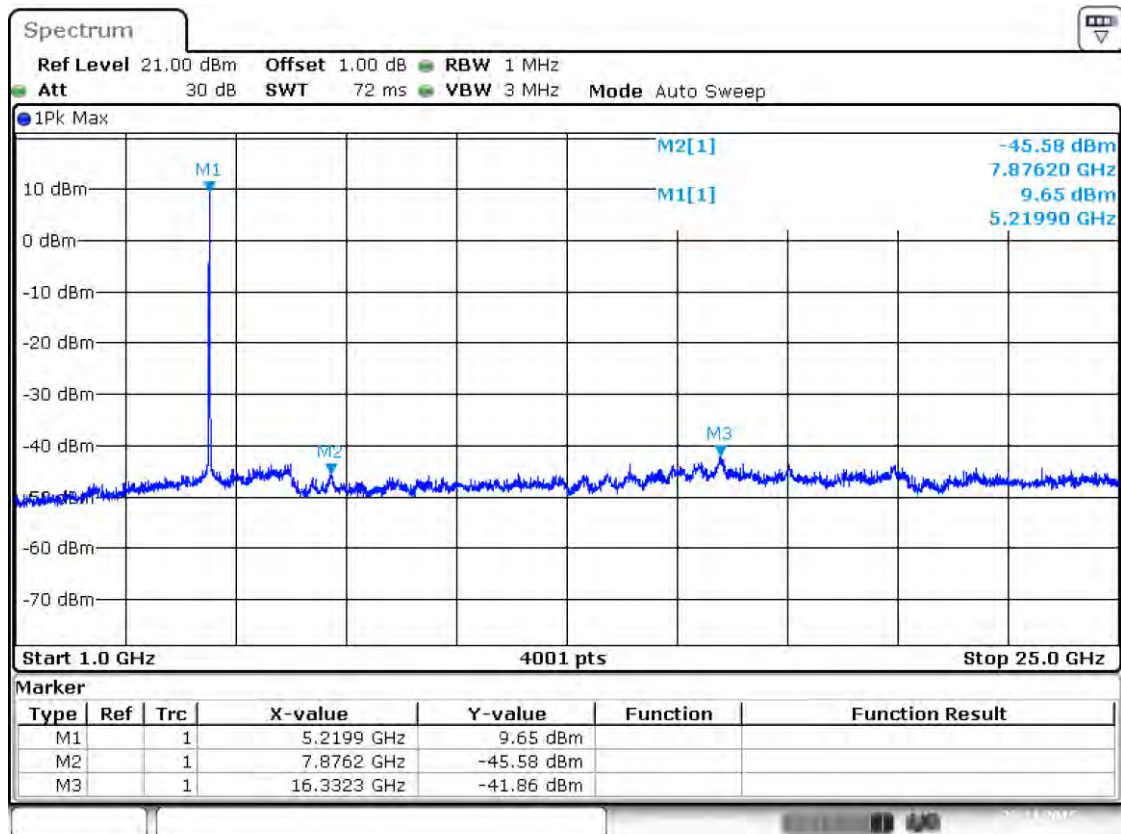
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

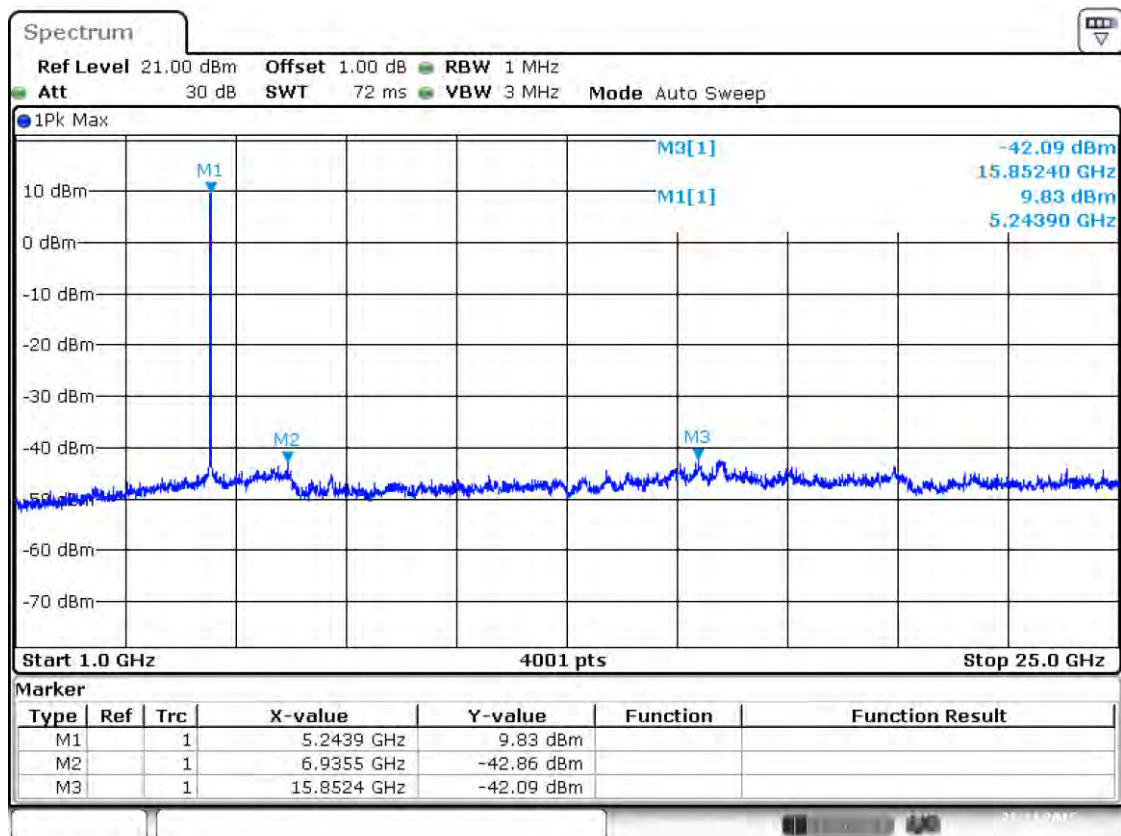
Note 4: The harmonic (3th ,4th , 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

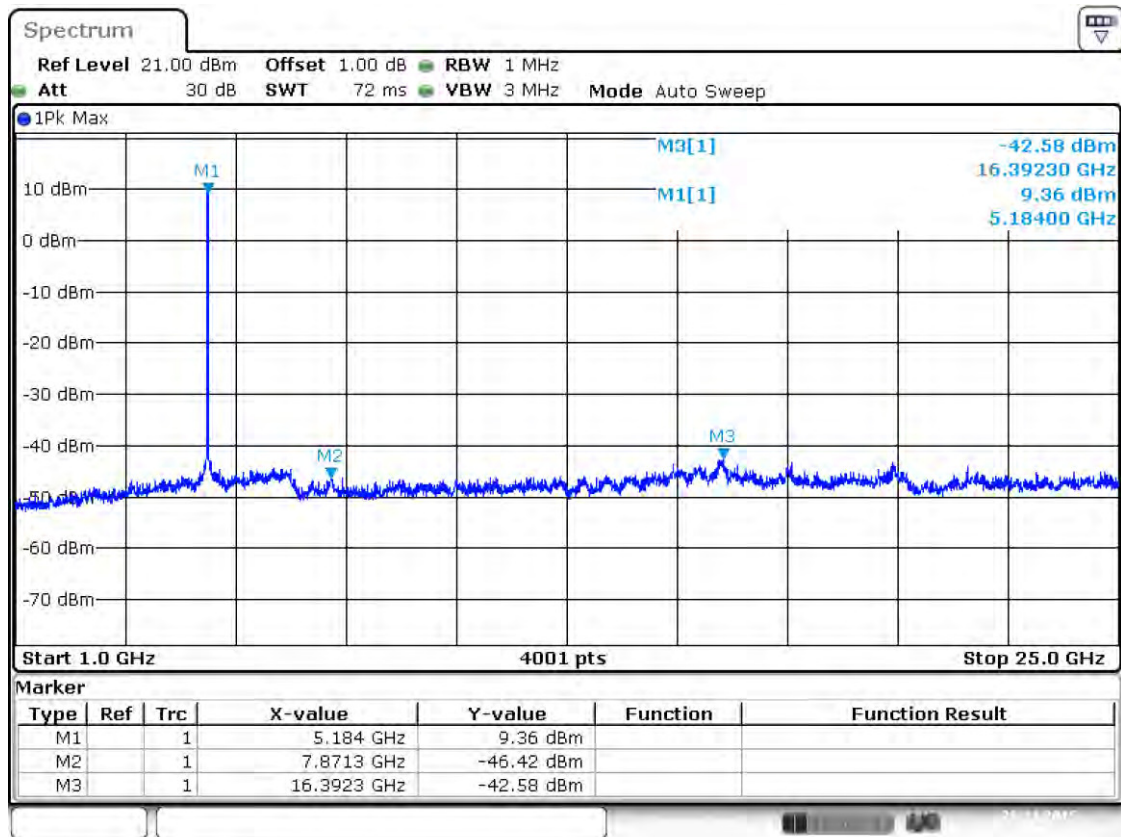
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

Band I 11n(HT20) CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/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.

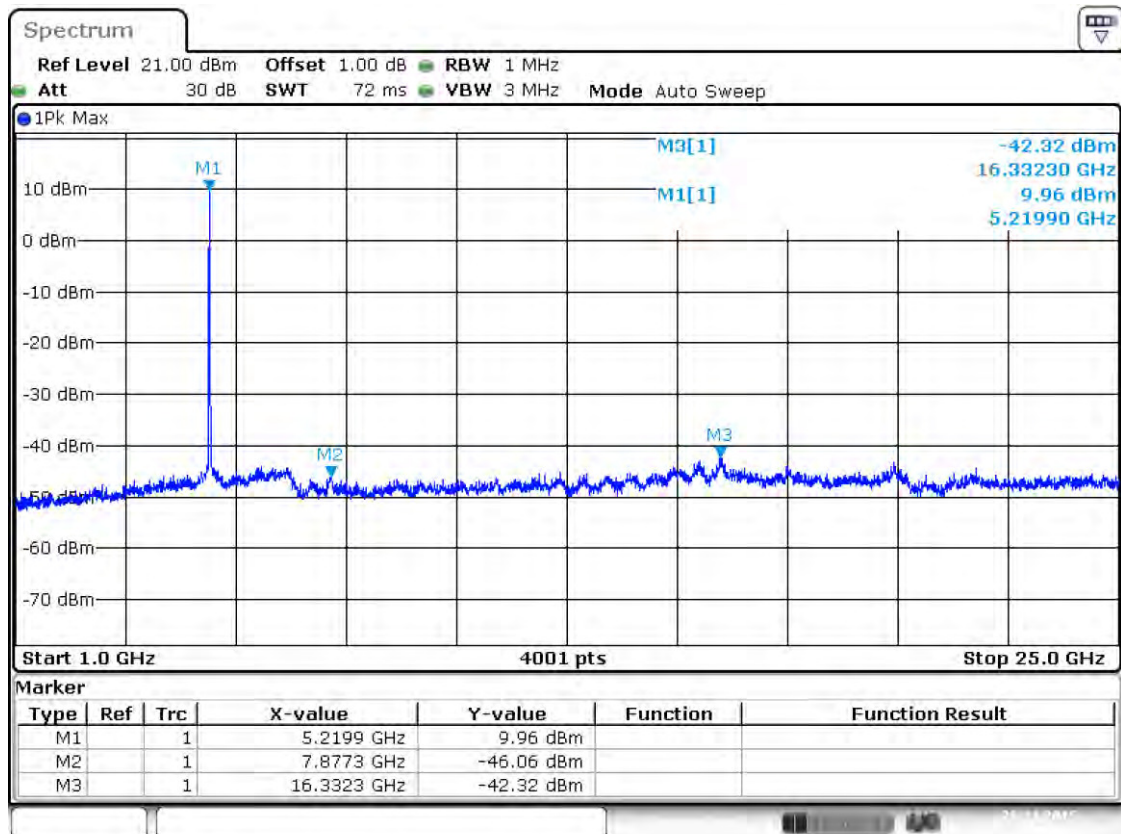
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

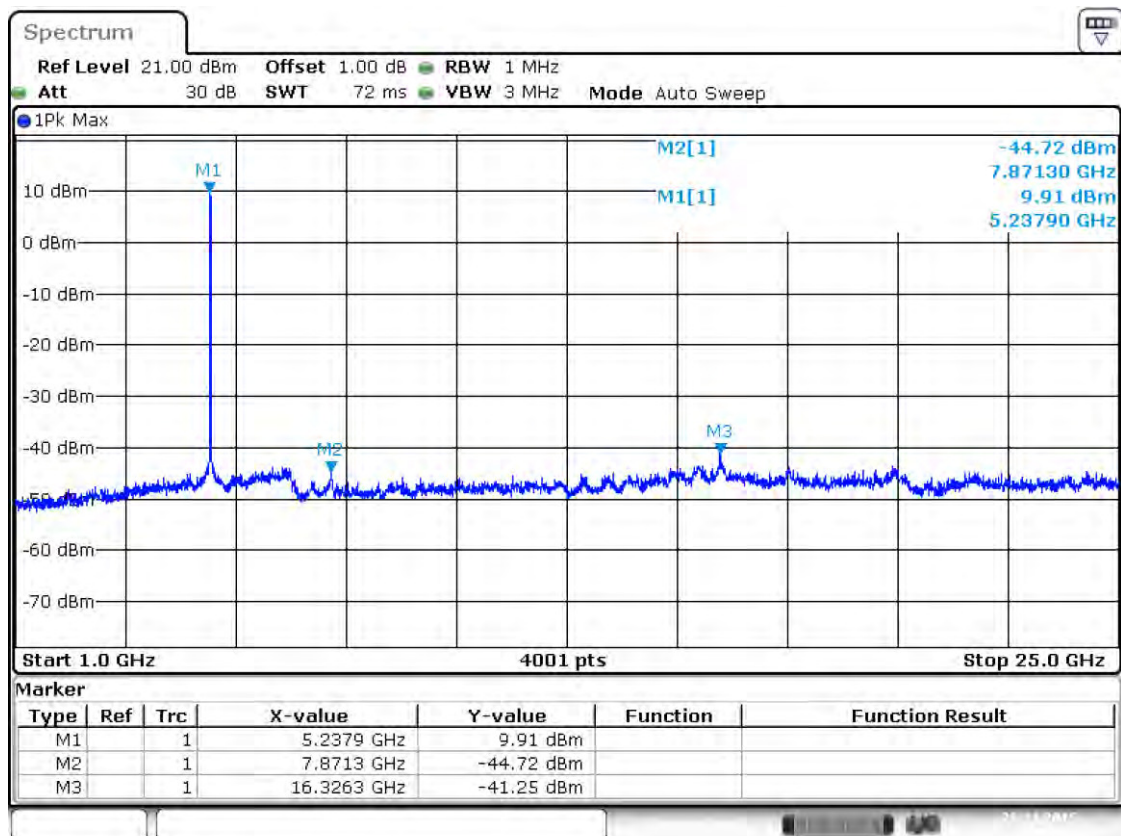
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

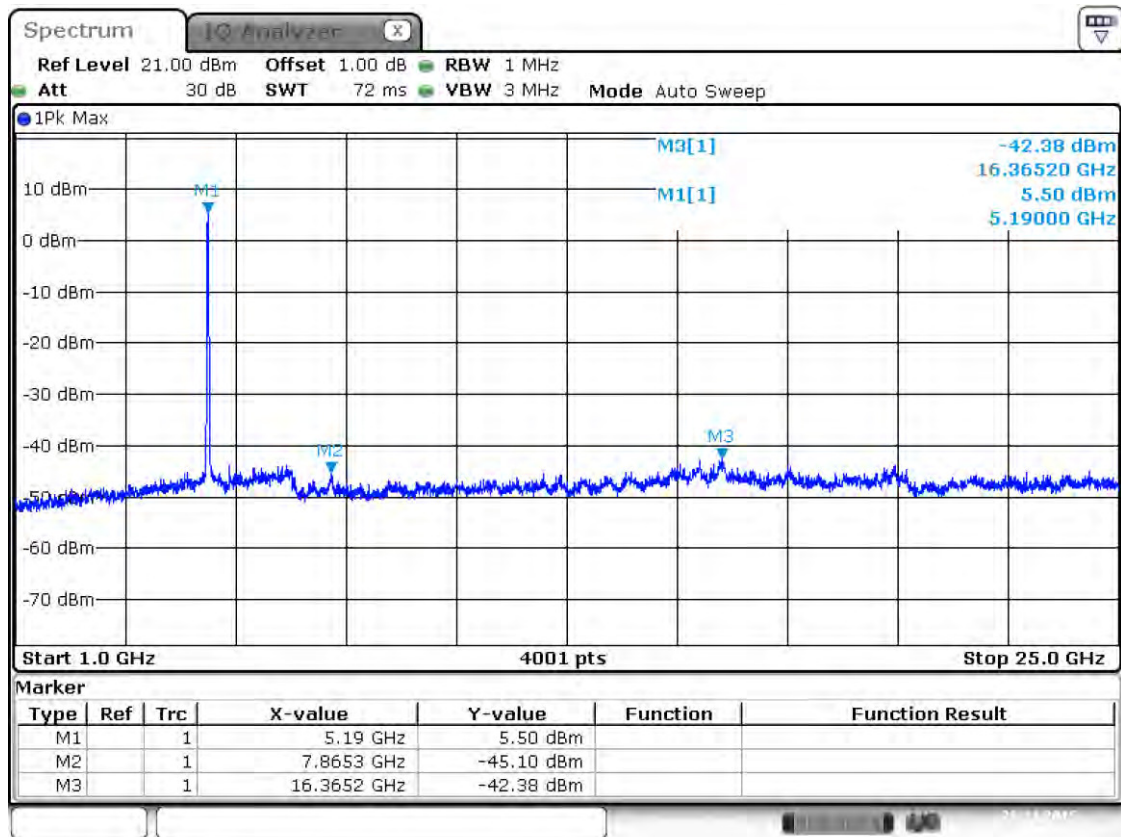
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

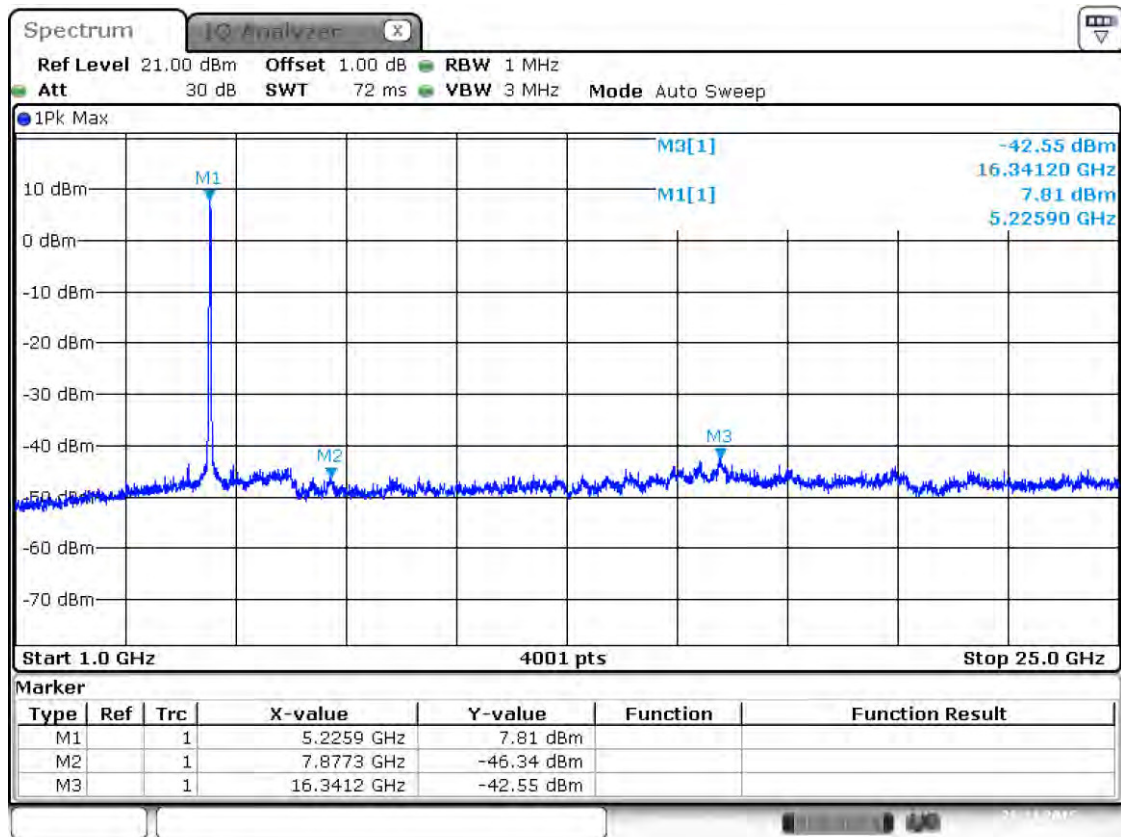
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

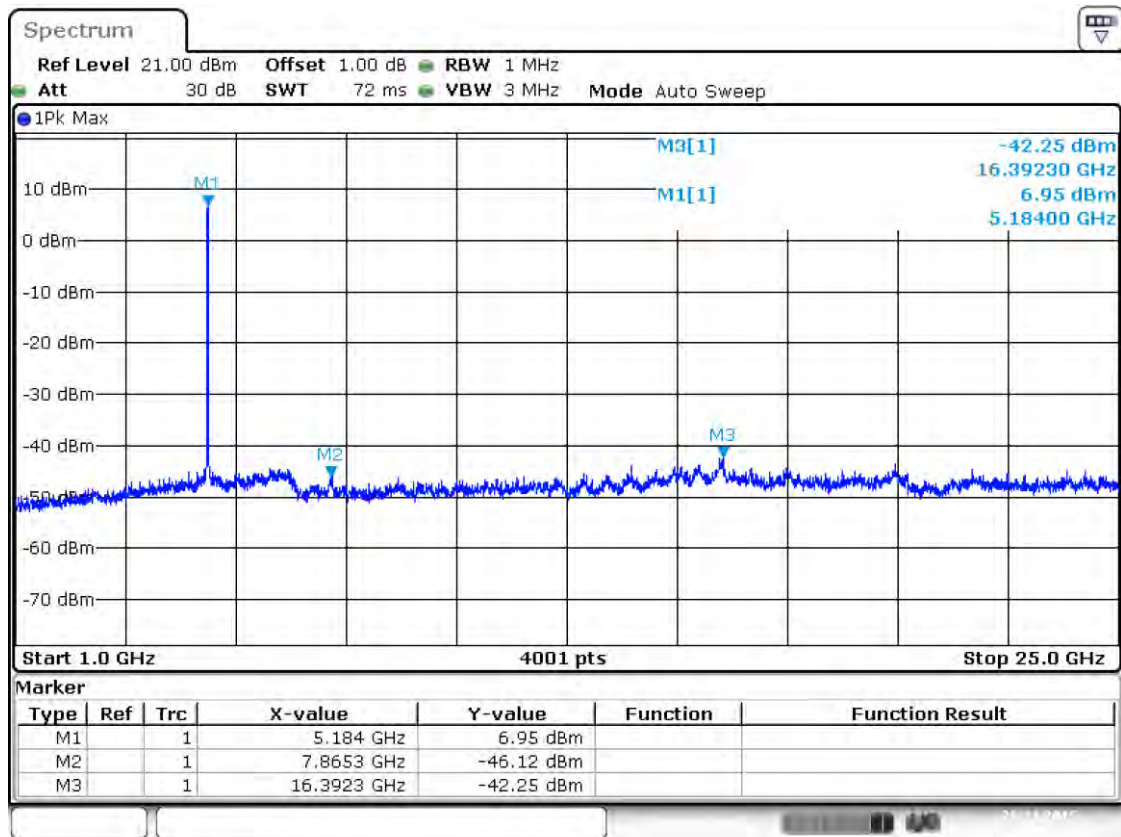
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

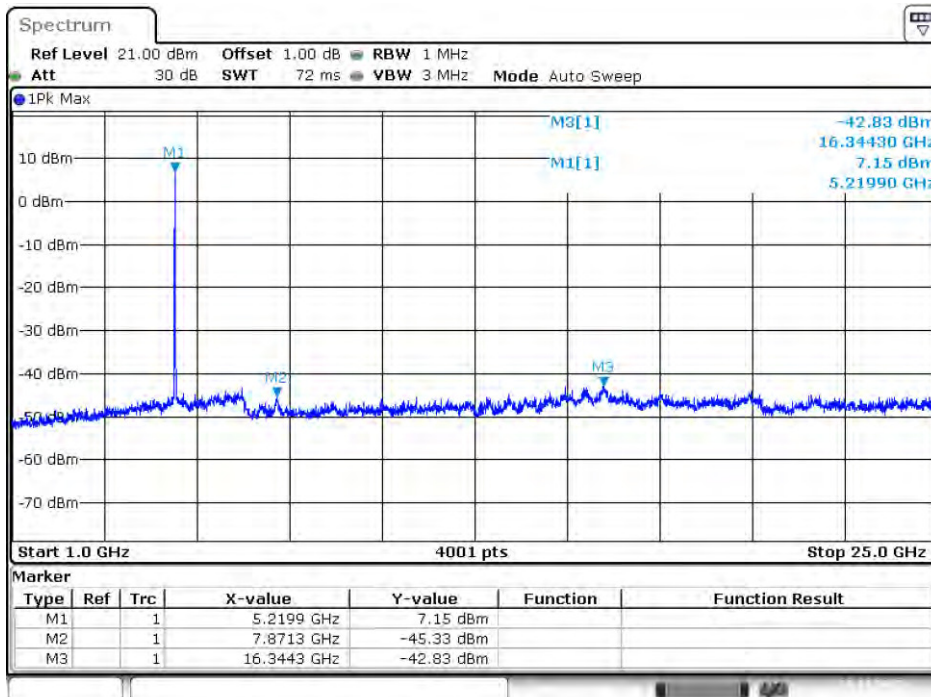
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

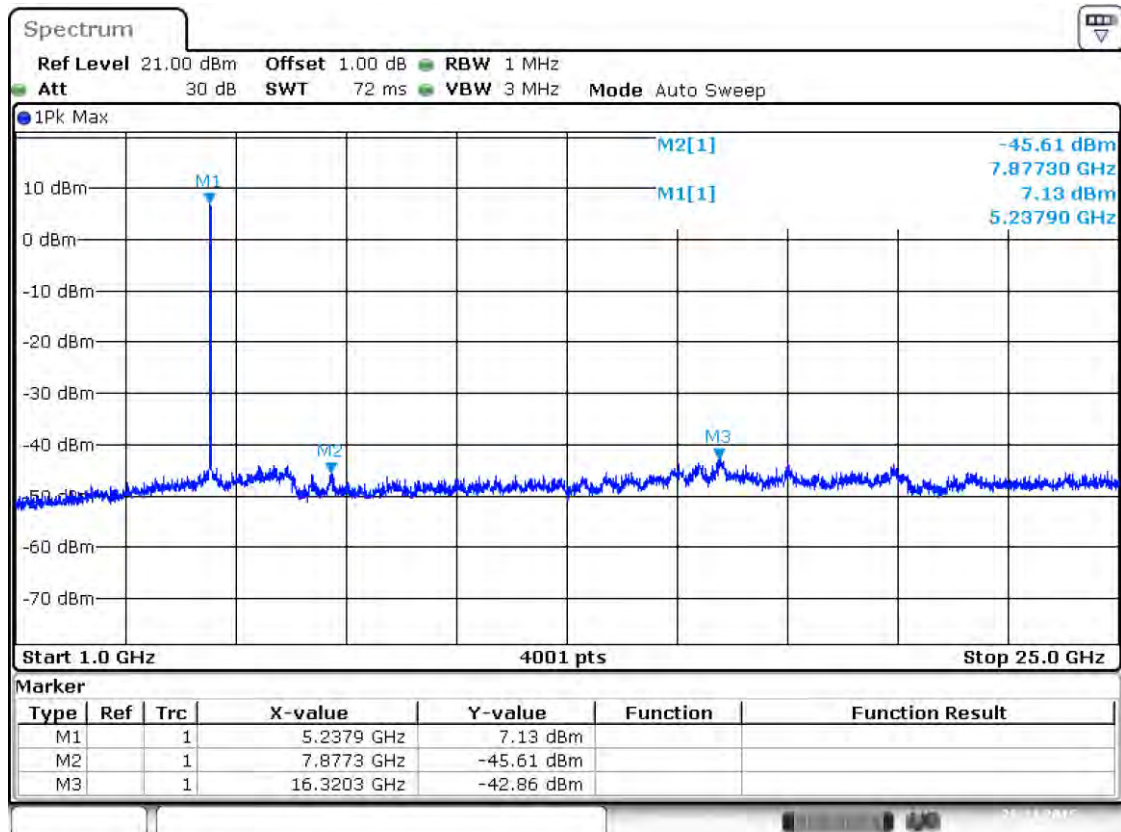
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

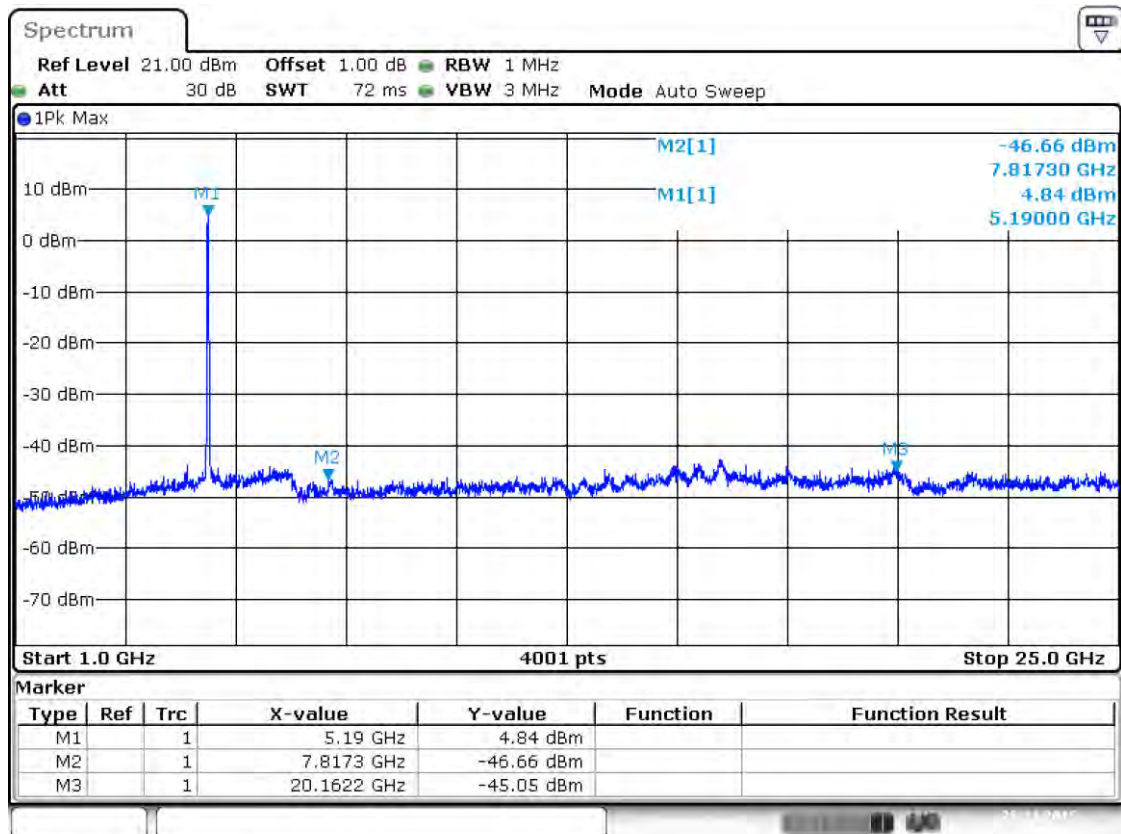
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

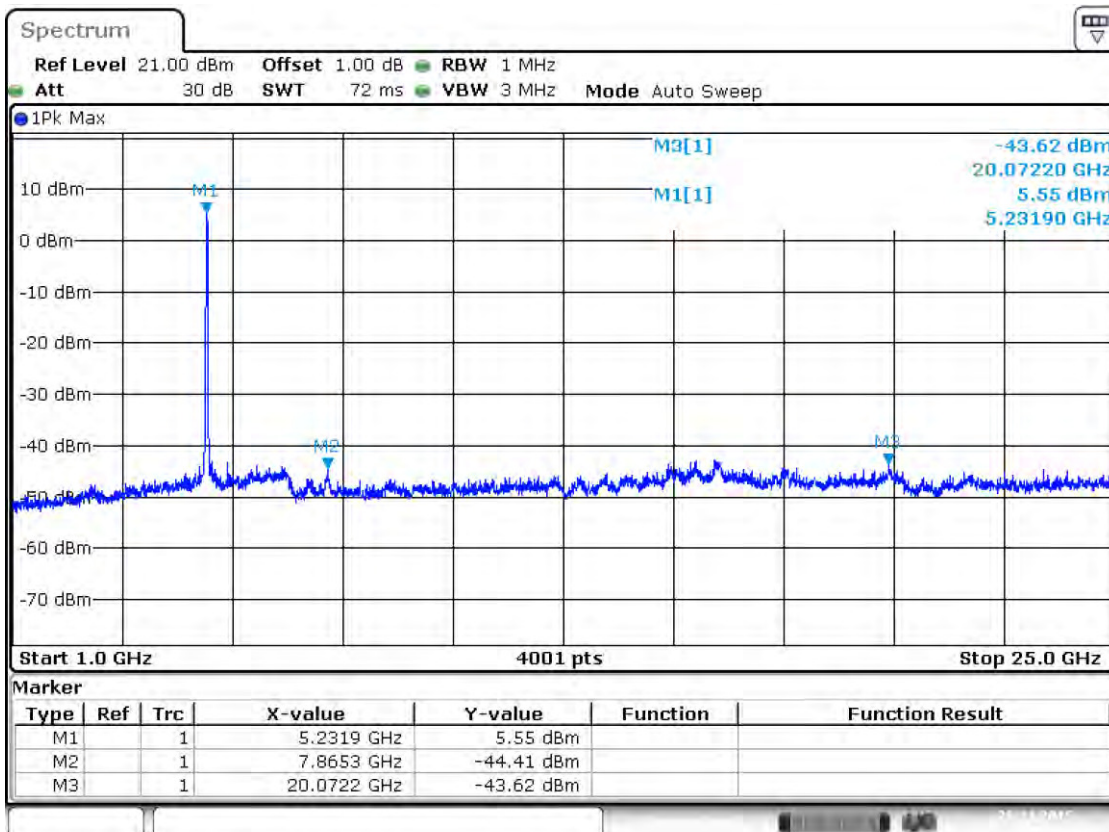
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

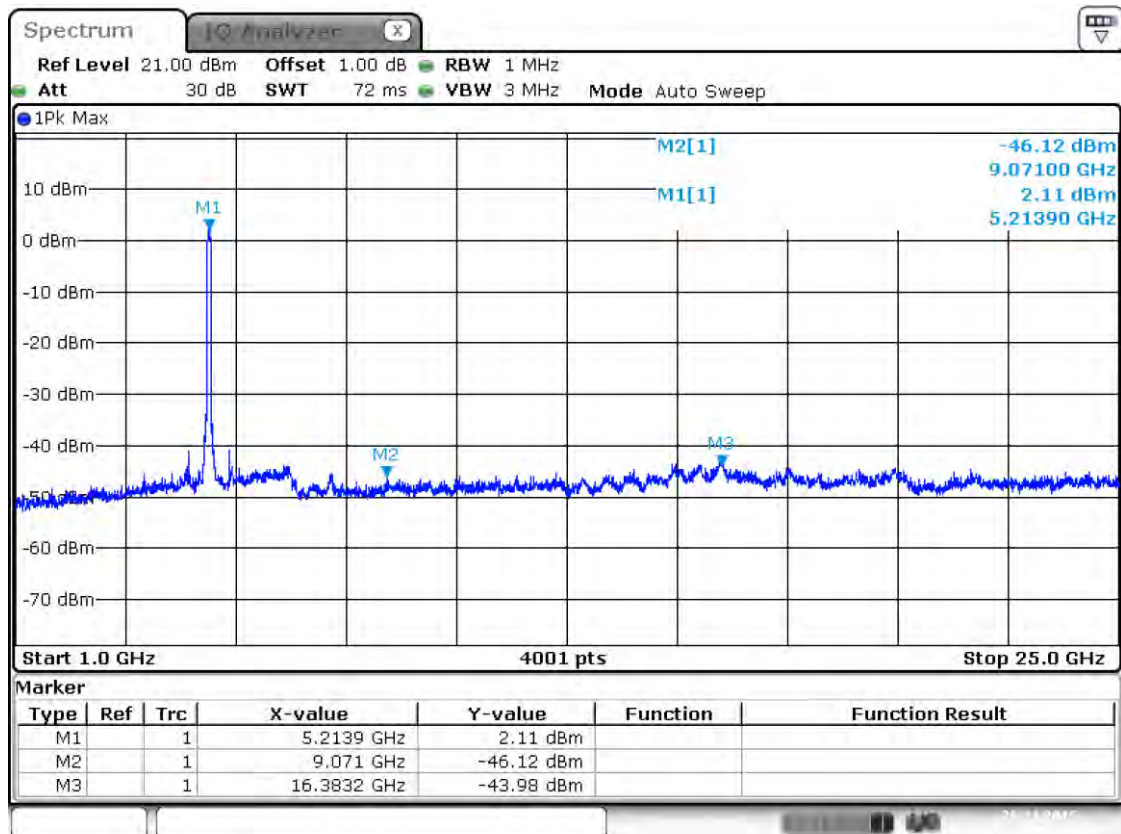
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

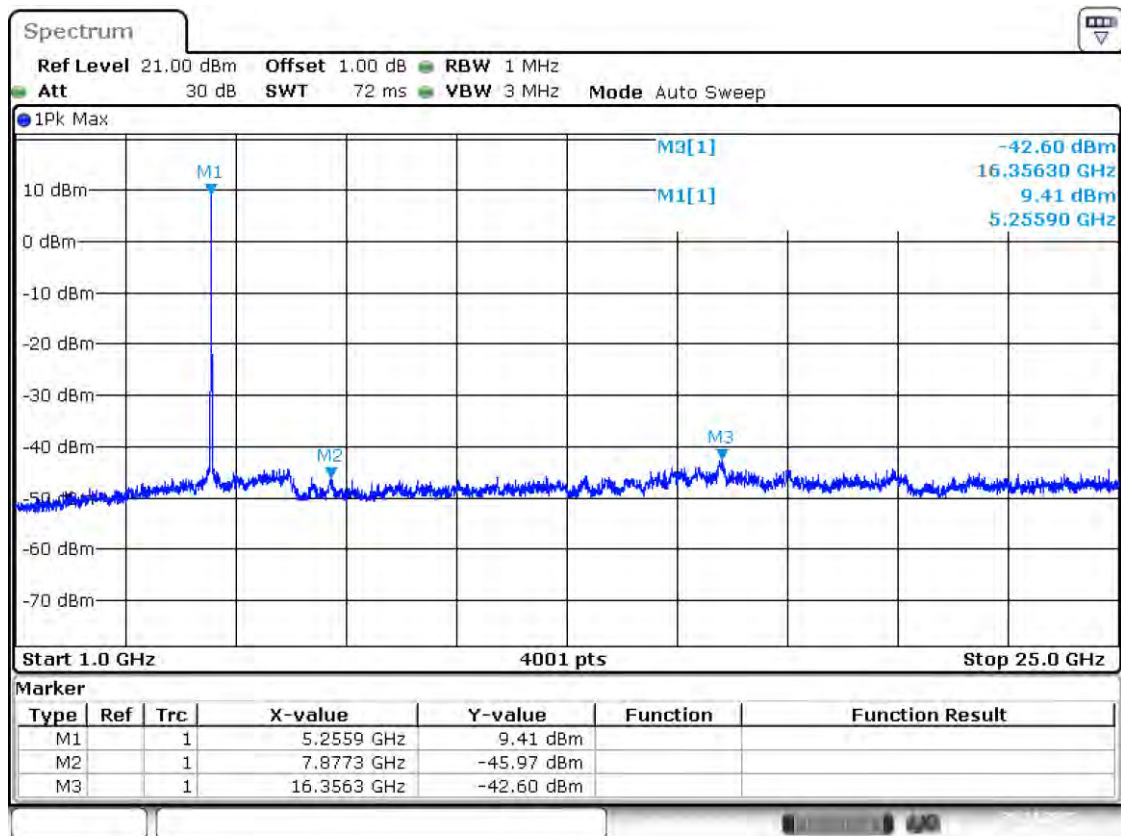
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

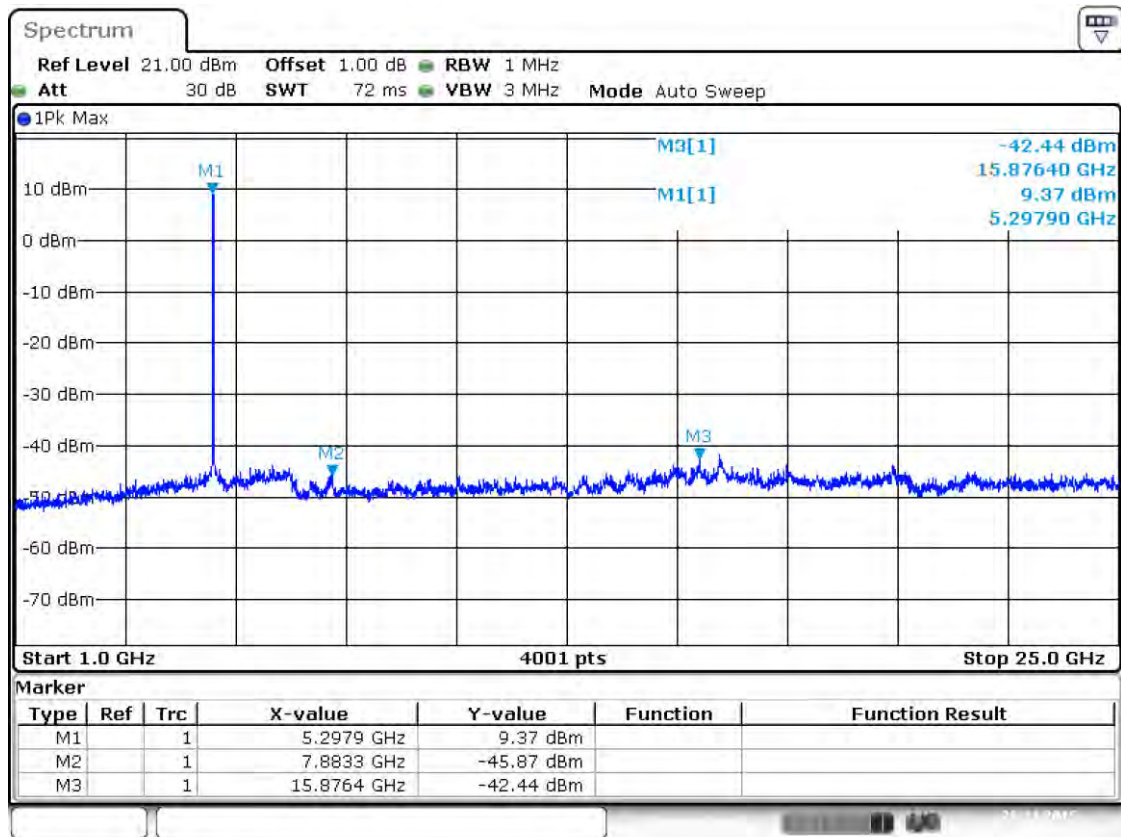
Note 4: The harmonic (3th ,4th , 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

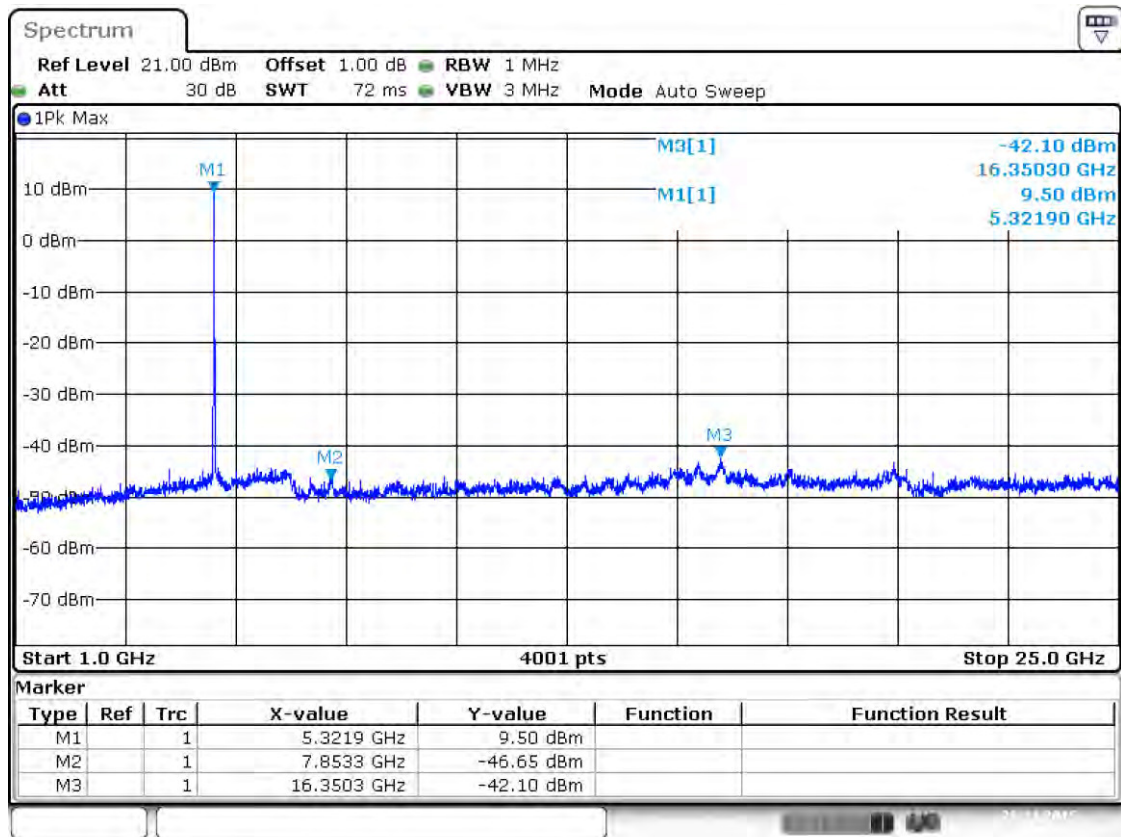
Note 4: The harmonic (3th ,4th , 5th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

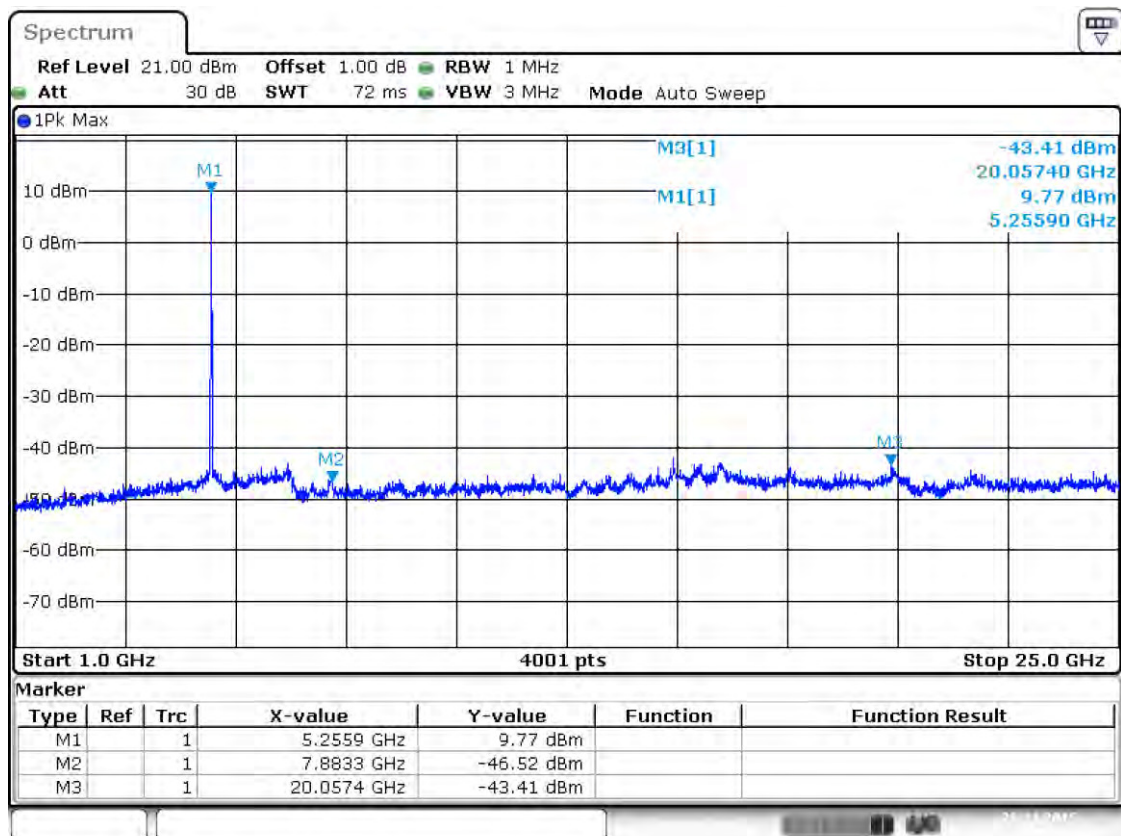
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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.

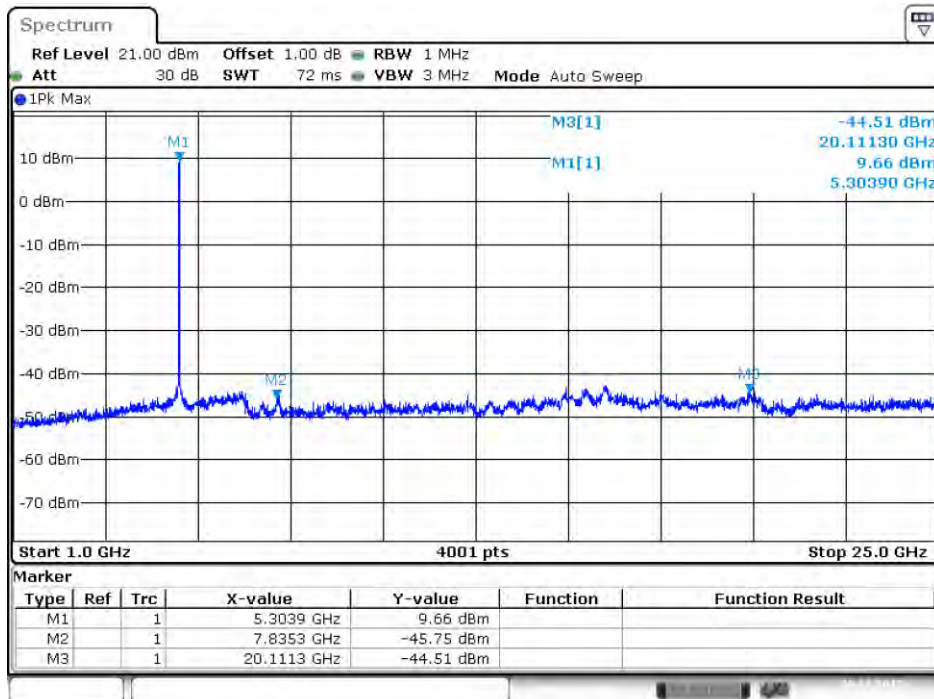
Note 4: The harmonic (2th ,3th , 4th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise

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



Date: 26, NOV. 2015 12:58:23

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.