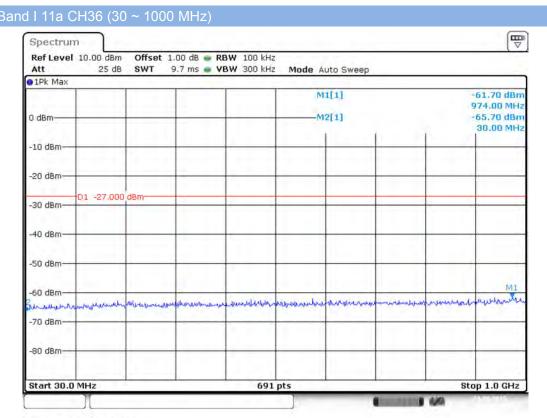
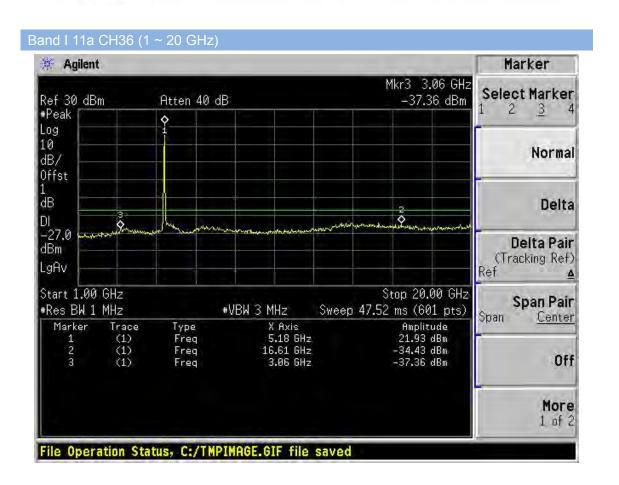


A.6 Conducted Spurious Emission

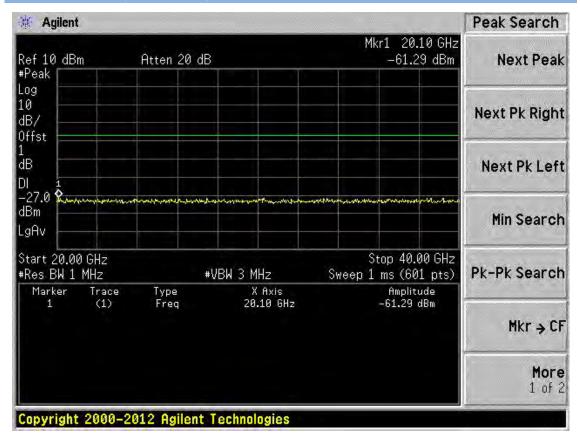


Date: 24.AUG.2015 16:04:36





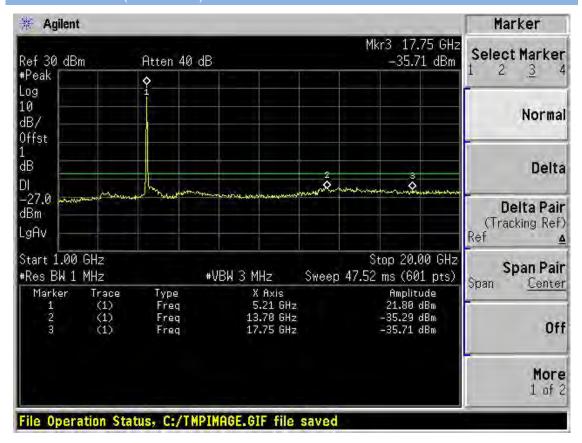
Band I 11a CH36 (20 ~ 40 GHz)



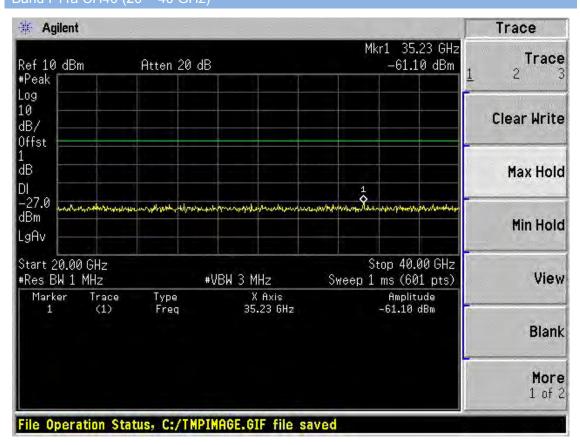




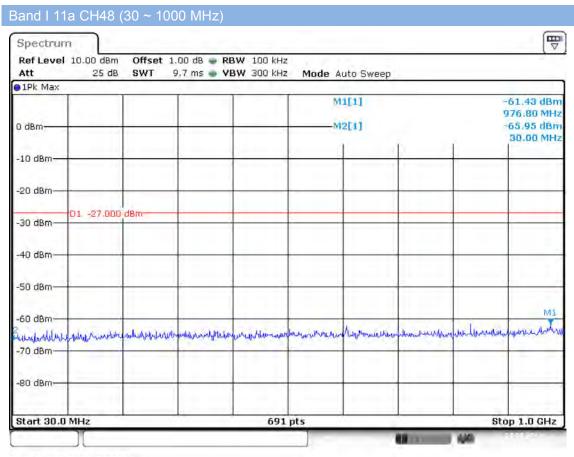
Band I 11a CH40 (1 ~ 20 GHz)



Band I 11a CH40 (20 ~ 40 GHz)

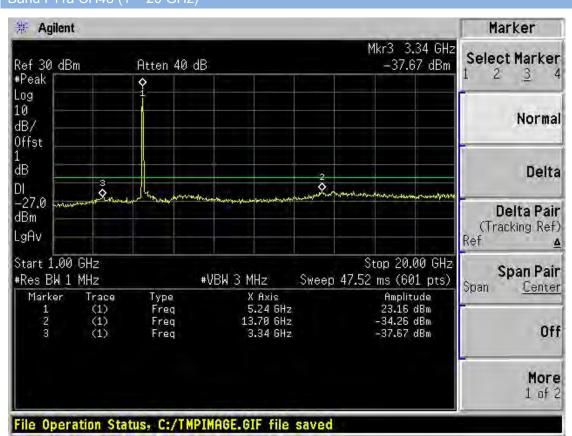






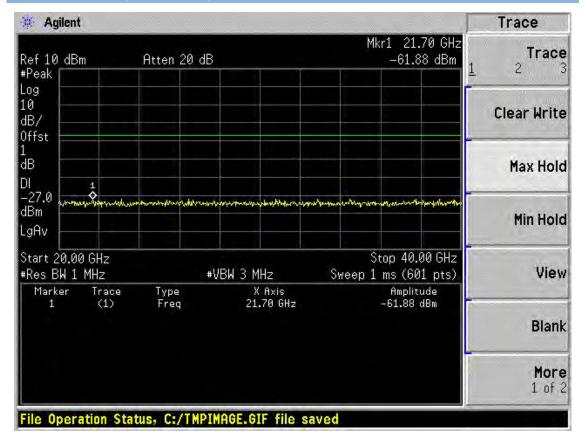
Date: 24.AUG.2015 16:07:22

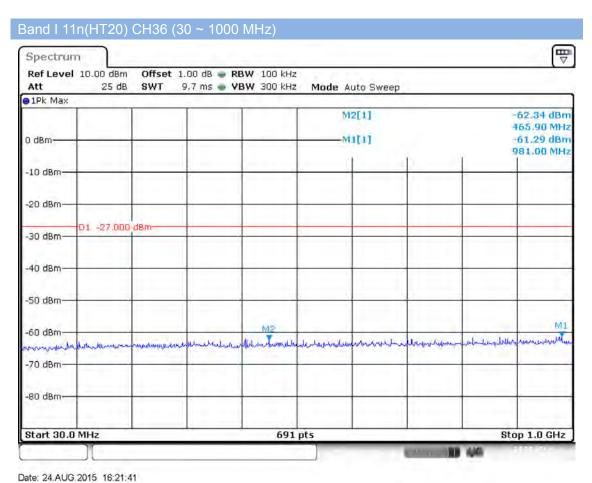
Band I 11a CH48 (1 ~ 20 GHz)





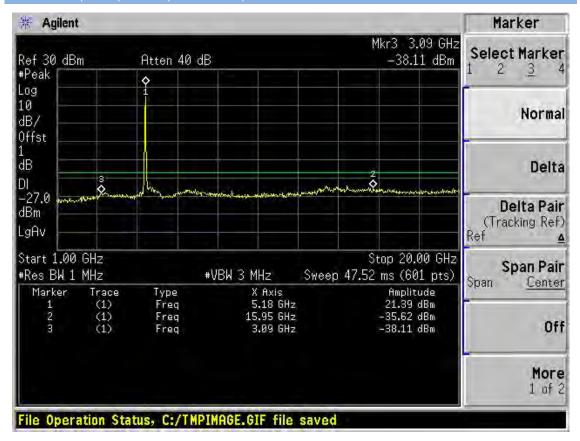
Band I 11a CH48 (20 ~ 40 GHz)



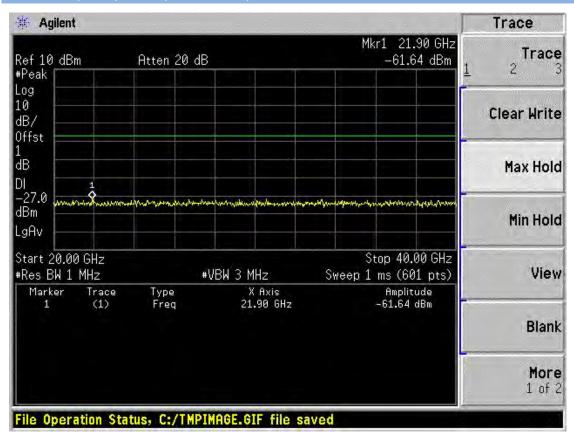




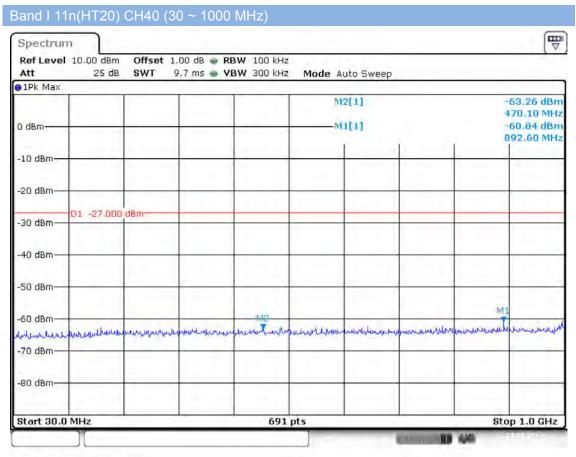
Band I 11n(HT20) CH36 (1 ~ 20 GHz)



Band I 11n(HT20) CH36 (20 ~ 40 GHz)

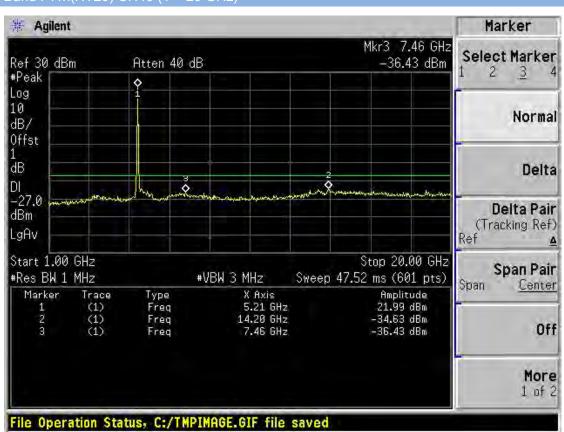






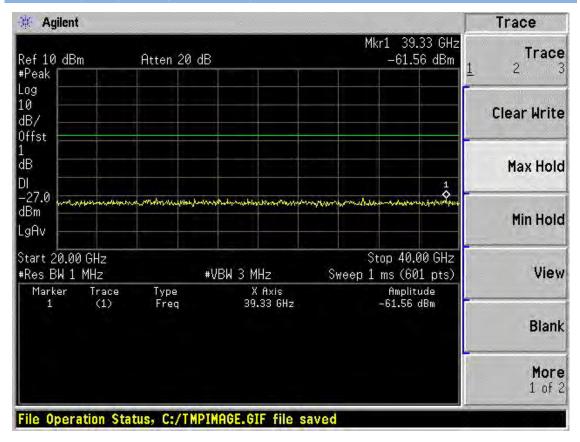
Date: 24.AUG.2015 16:23:24

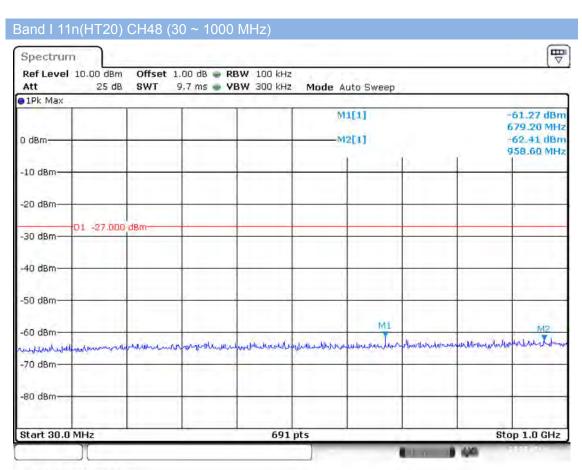
Band I 11n(HT20) CH40 (1 ~ 20 GHz)





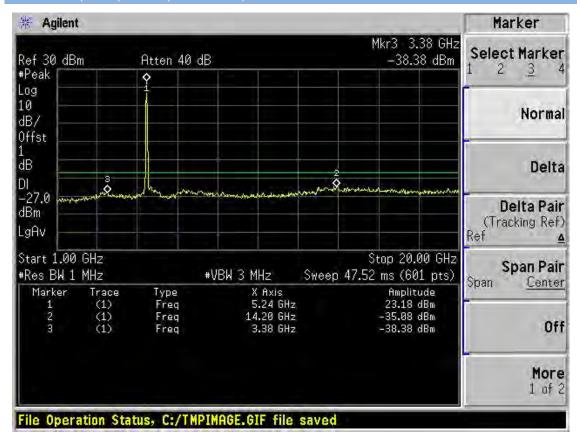
Band I 11n(HT20) CH40 (20 ~ 40 GHz)



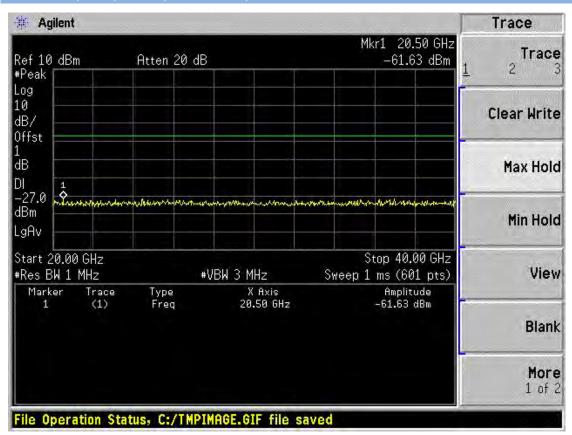




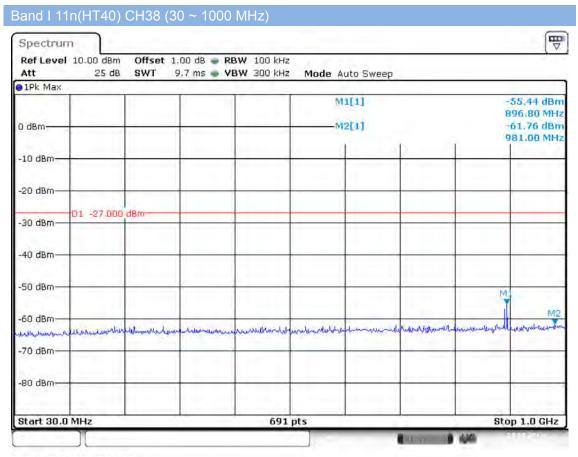
Band I 11n(HT20) CH48 (1 ~ 20 GHz)



Band I 11n(HT20) CH48 (20 ~ 40 GHz)

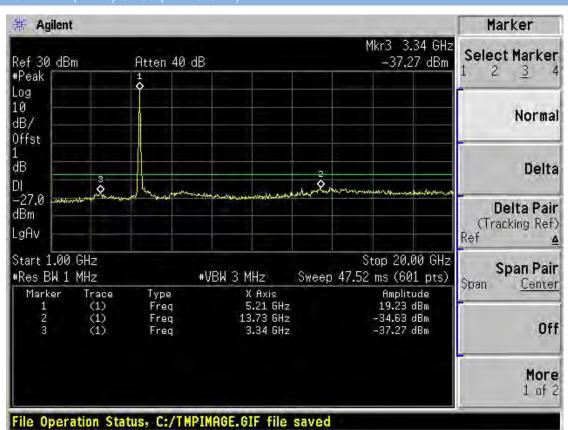






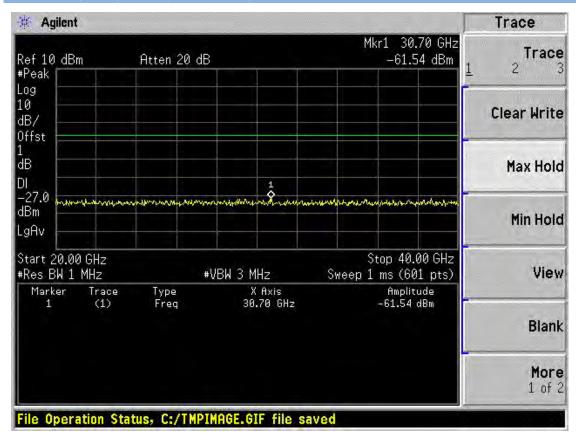
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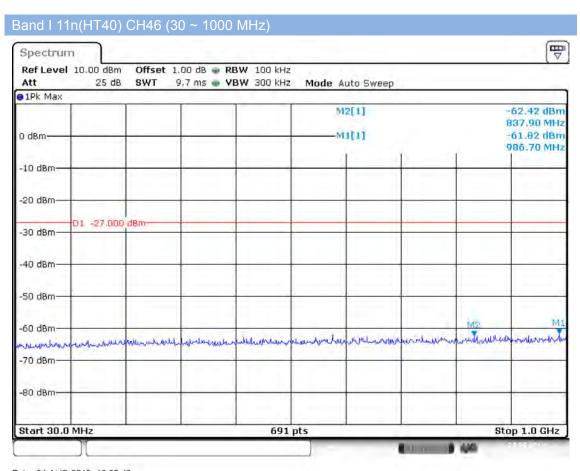
Band I 11n(HT40) CH38 (1 ~ 20 GHz)





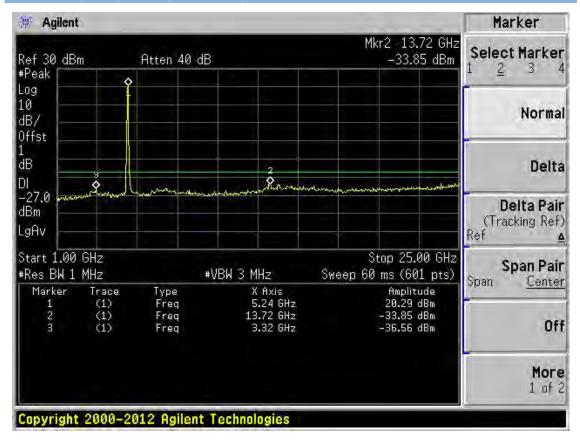
Band I 11n(HT40) CH38 (20 ~ 40 GHz)



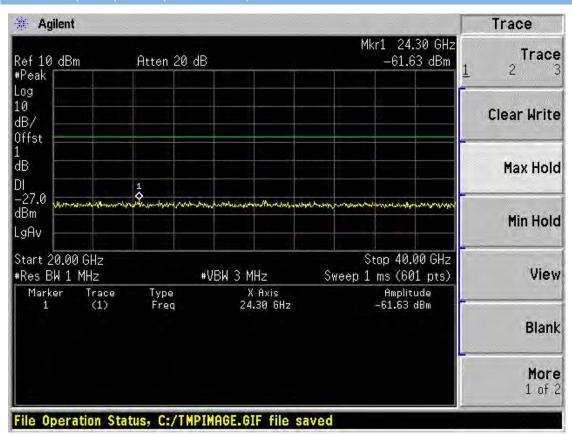




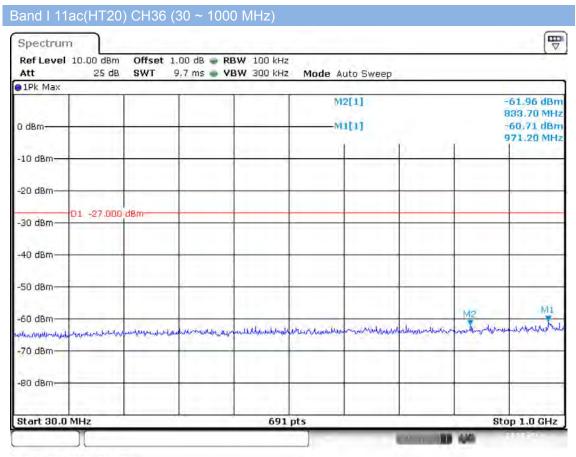
Band I 11n(HT40) CH46 (1 ~ 20 GHz)



Band I 11n(HT40) CH46 (20 ~ 40 GHz)







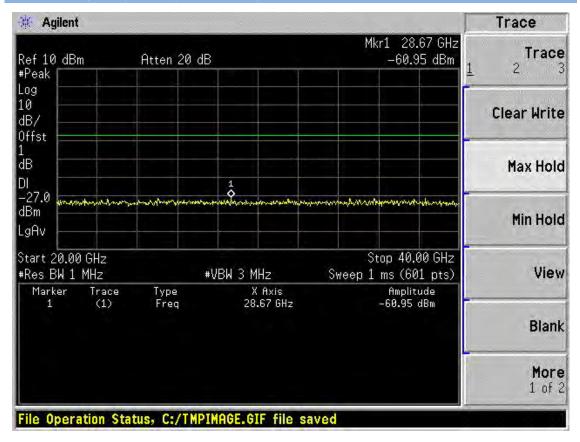
Date: 24.AUG.2015 16:31:52

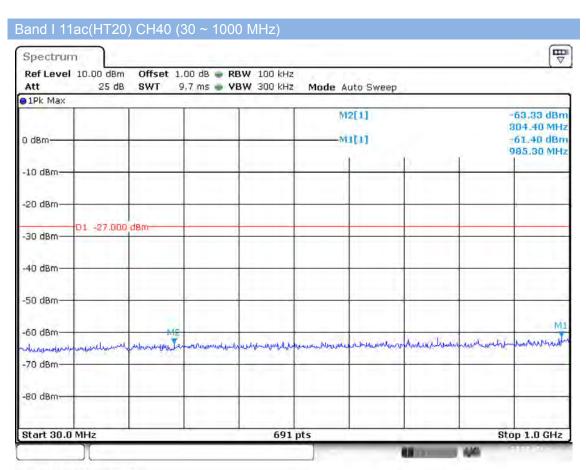
Band I 11ac(HT20) CH36 (1 ~ 20 GHz)





Band I 11ac(HT20) CH36 (20 ~ 40 GHz)

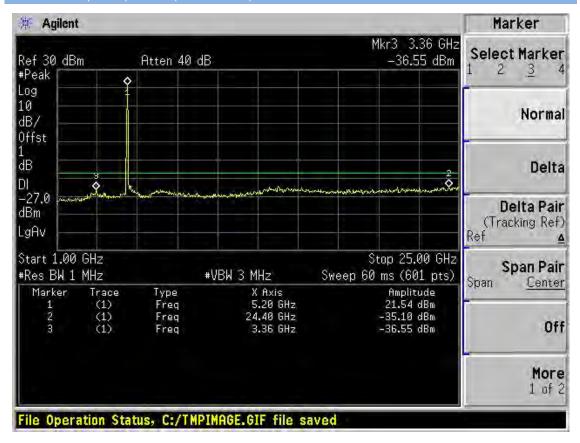




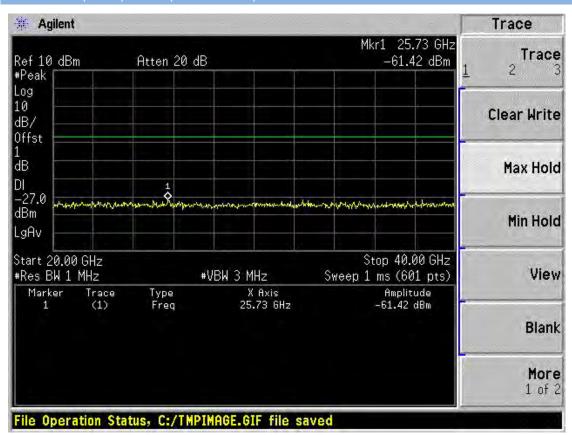
Date: 24.AUG.2015 16:33:07



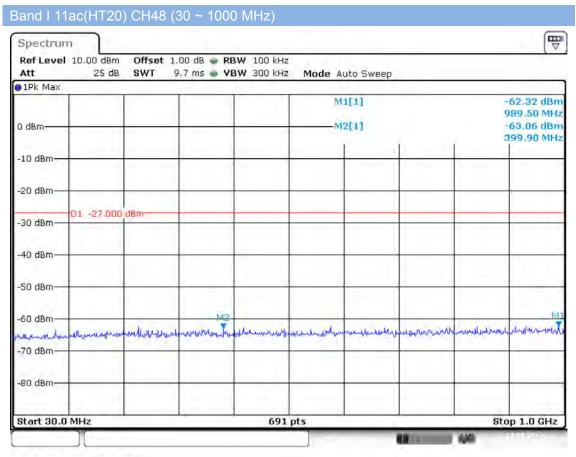
Band I 11ac(HT20) CH40 (1 ~ 20 GHz)



Band I 11ac(HT20) CH40 (20 ~ 40 GHz)

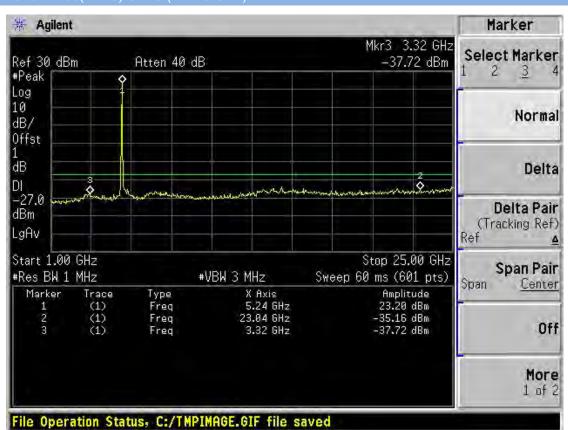






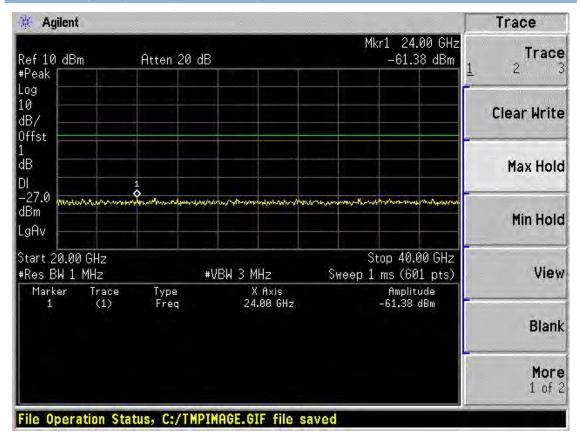
Date: 24.AUG.2015 16:33:42

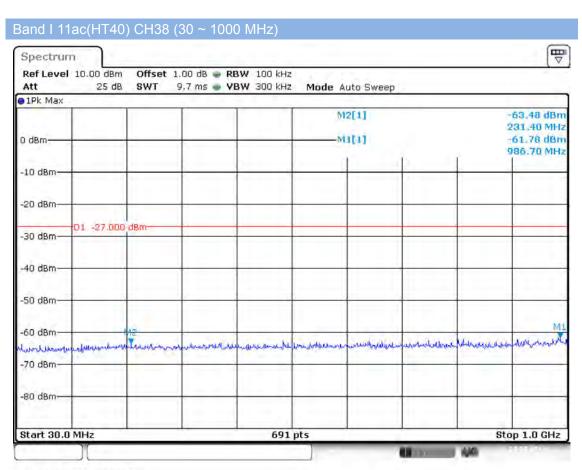
Band I 11ac(HT20) CH48 (1 ~ 20 GHz)





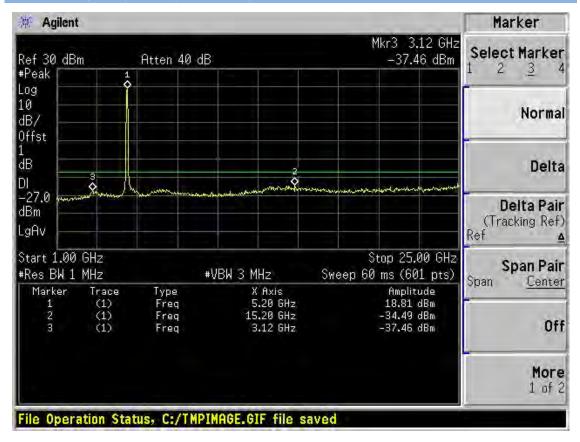
Band I 11ac(HT20) CH48 (20 ~ 40 GHz)



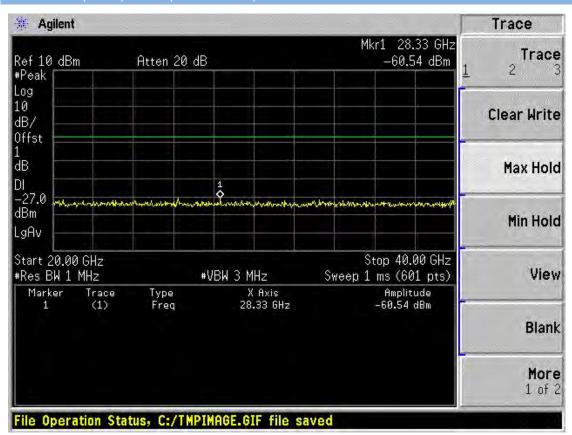




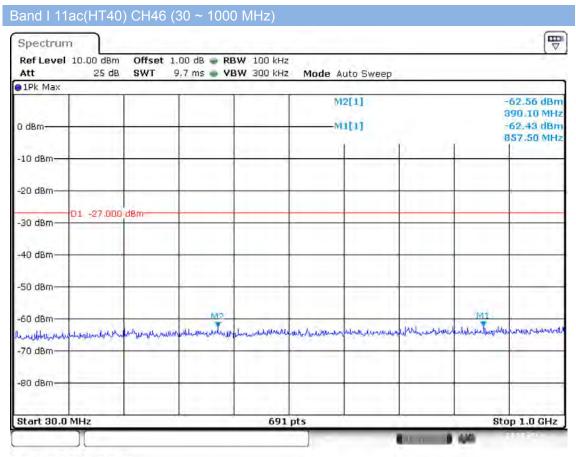
Band I 11ac(HT40) CH38 (1 ~ 20 GHz)



Band I 11ac(HT40) CH38 (20 ~ 40 GHz)

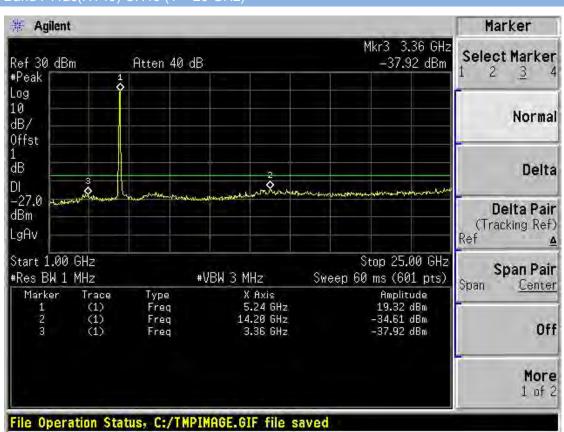






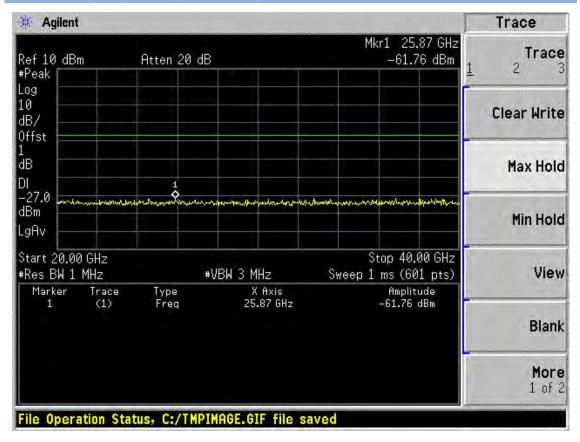
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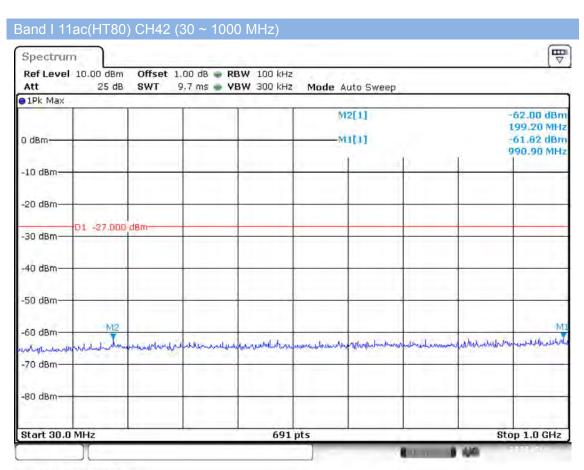
Band I 11ac(HT40) CH46 (1 ~ 20 GHz)





Band I 11ac(HT40) CH46 (20 ~ 40 GHz)

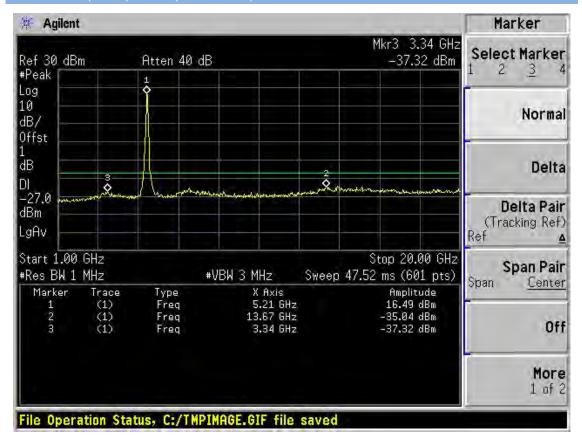




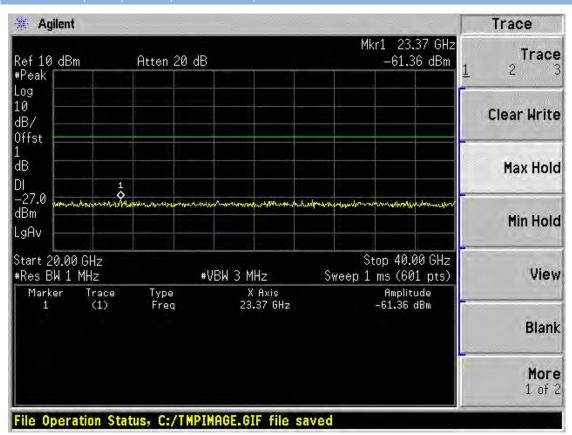
Date: 24.AUG.2015 16:36:18



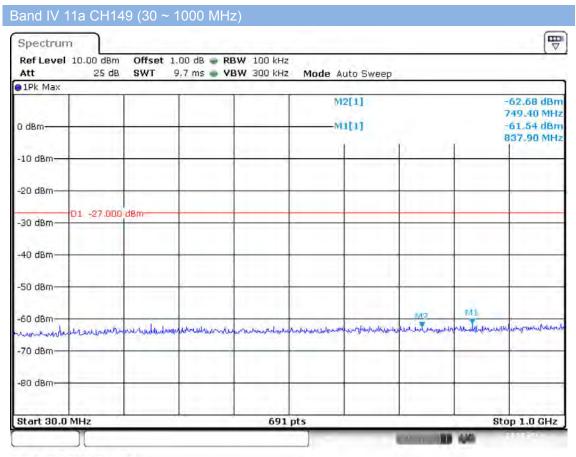
Band I 11ac(HT80) CH42 (1 ~ 20 GHz)



Band I 11ac(HT80) CH42 (20 ~ 40 GHz)

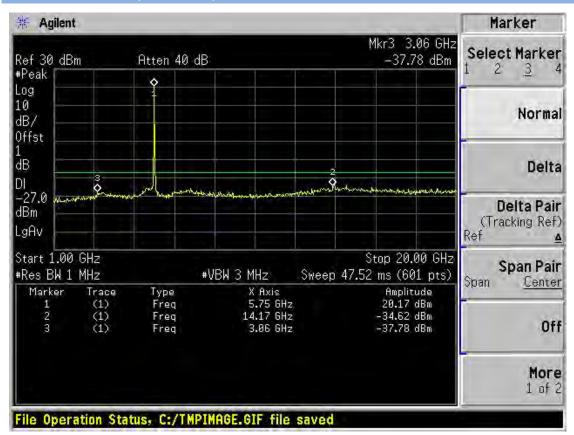






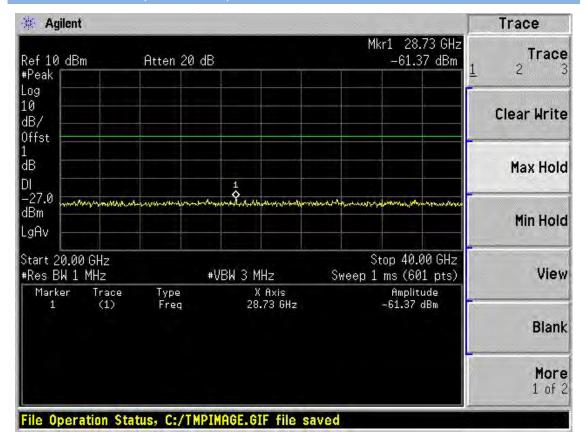
Date: 24.AUG.2015 16:48:04

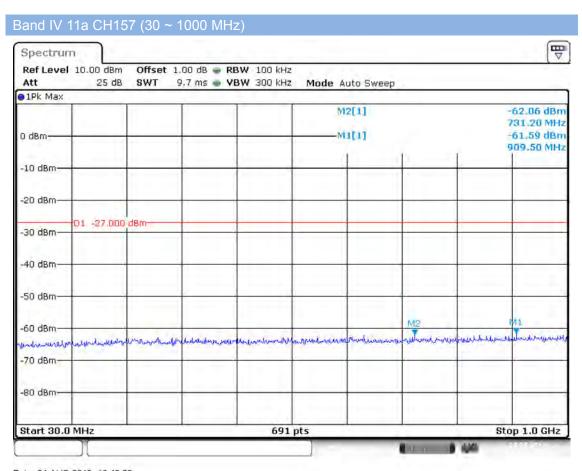
Band IV 11a CH149 (1 ~ 20 GHz)





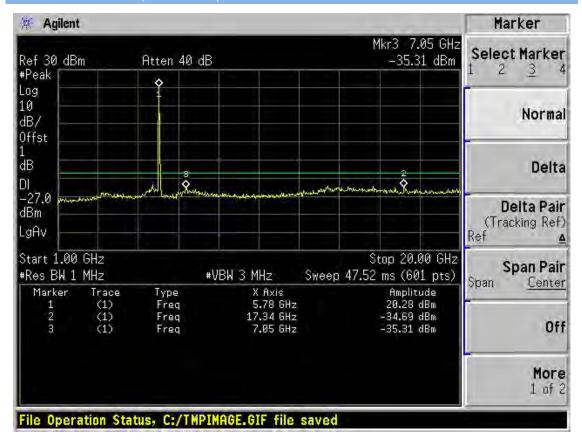
Band IV 11a CH149 (20 ~ 40 GHz)



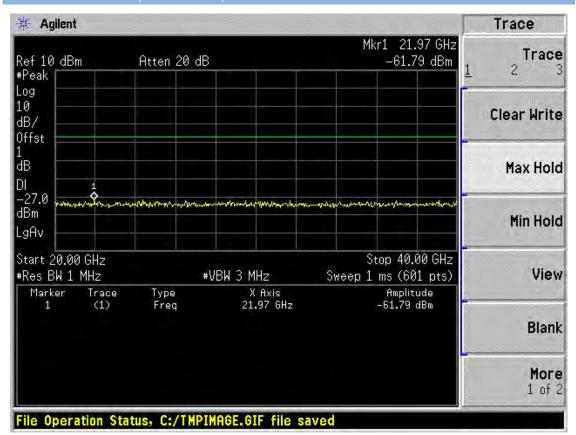




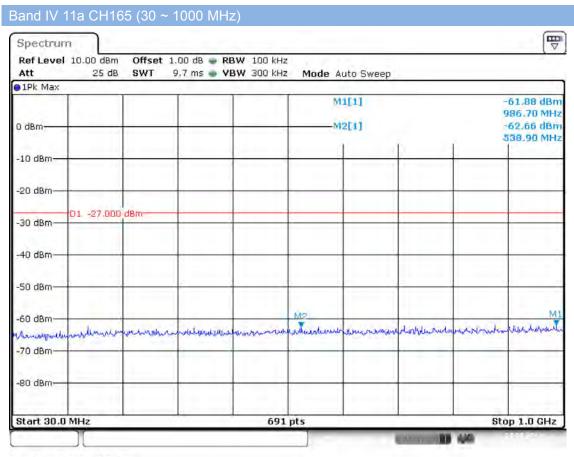
Band IV 11a CH157 (1 ~ 20 GHz)



Band IV 11a CH157 (20 ~ 40 GHz)

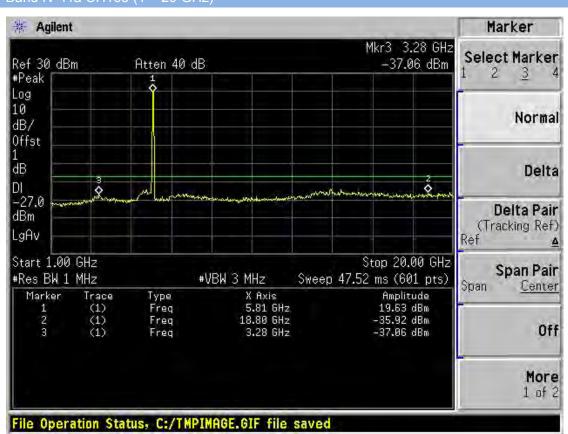






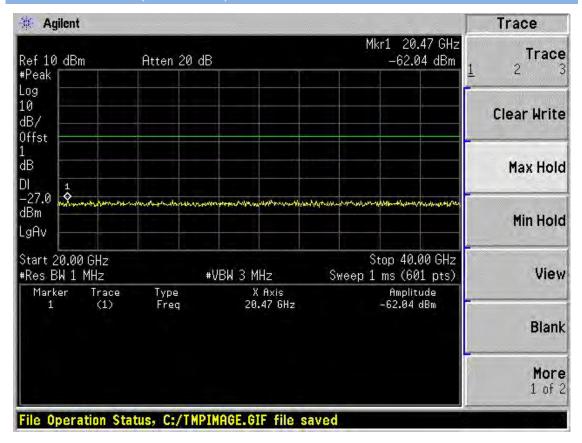
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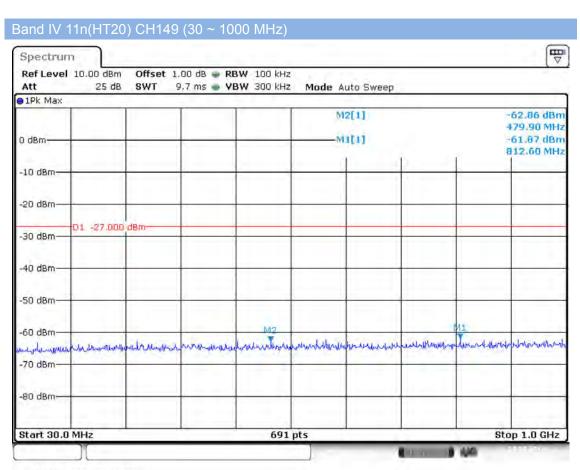
Band IV 11a CH165 (1 ~ 20 GHz)





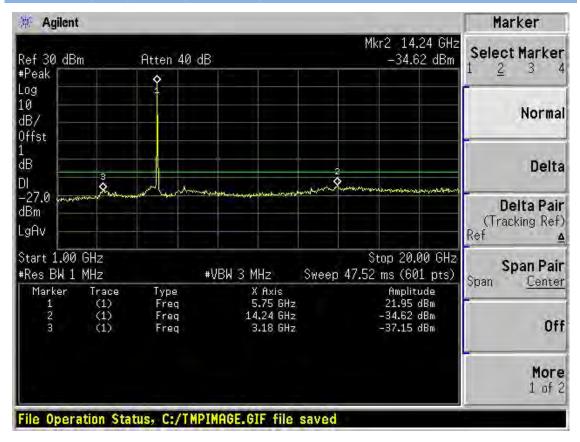
Band IV 11a CH165 (20 ~ 40 GHz)



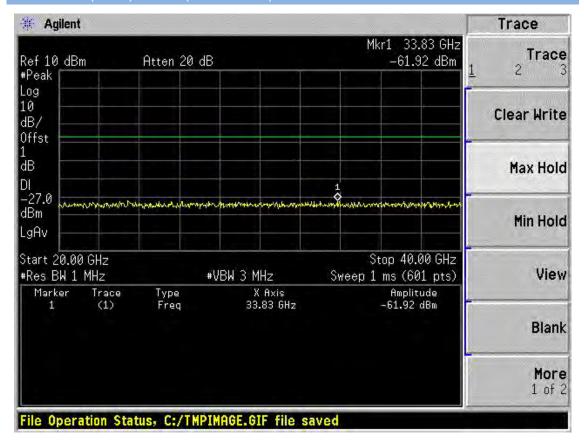




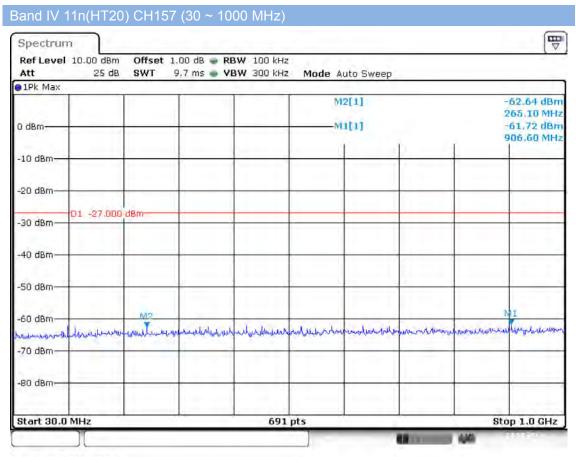
Band IV 11n(HT20) CH149 (1 ~ 20 GHz)



Band IV 11n(HT20) CH149 (20 ~ 40 GHz)

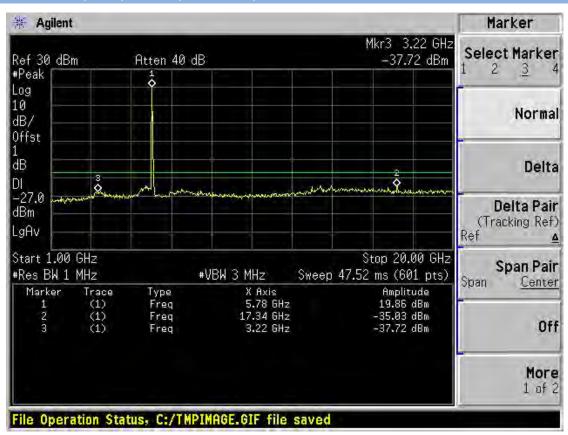






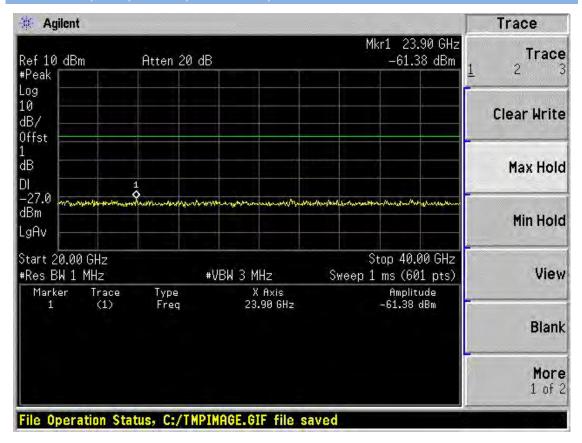
Date: 24.AUG.2015 16:55:41

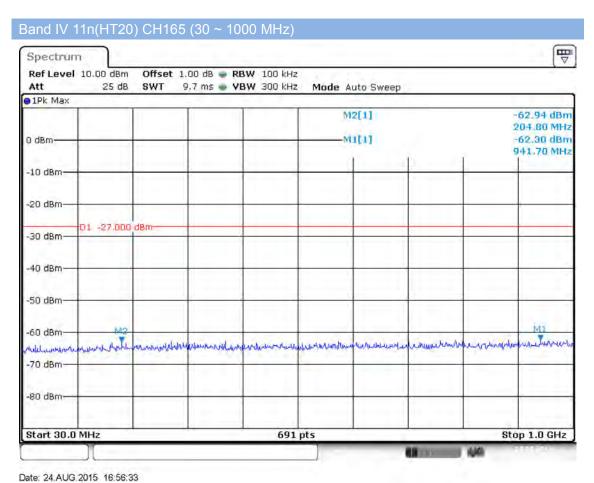
Band IV 11n(HT20) CH157 (1 ~ 20 GHz)





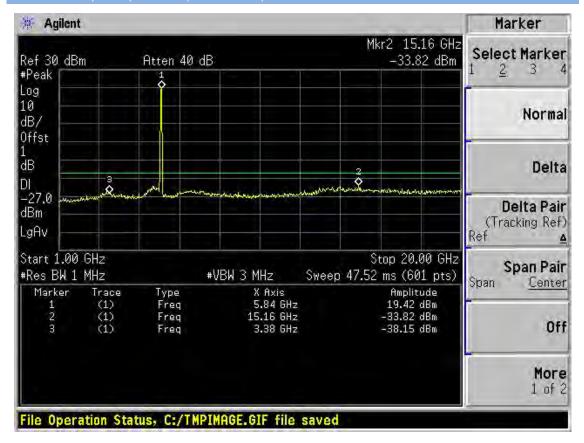
Band IV 11n(HT20) CH157 (20 ~ 40 GHz)



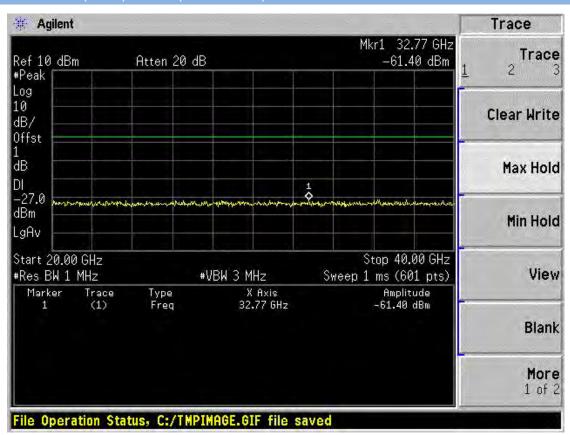




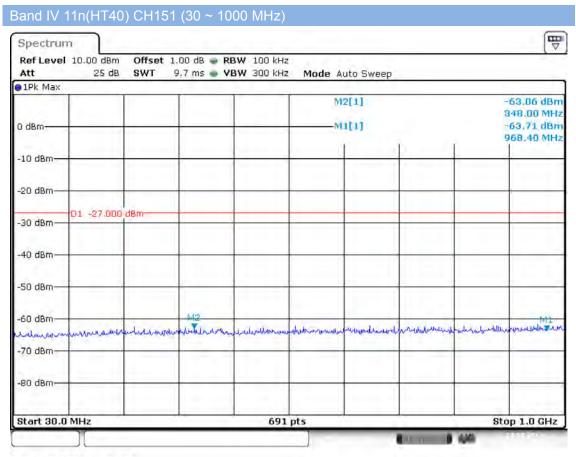
Band IV 11n(HT20) CH165 (1 ~ 20 GHz)



Band IV 11n(HT20) CH165 (20 ~ 40 GHz)

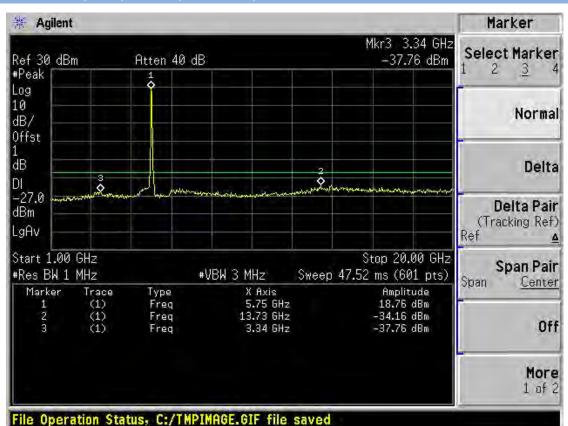






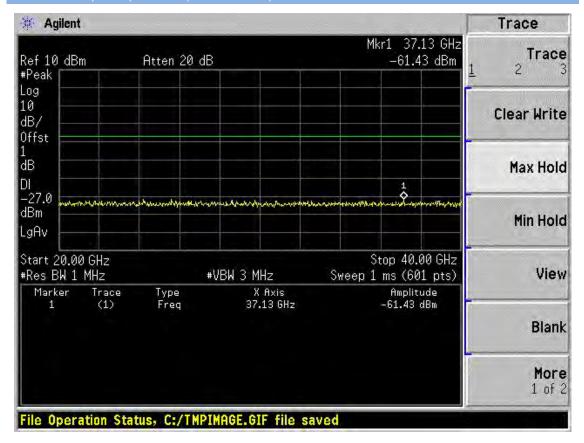
Date: 24.AUG.2015 17:01:47

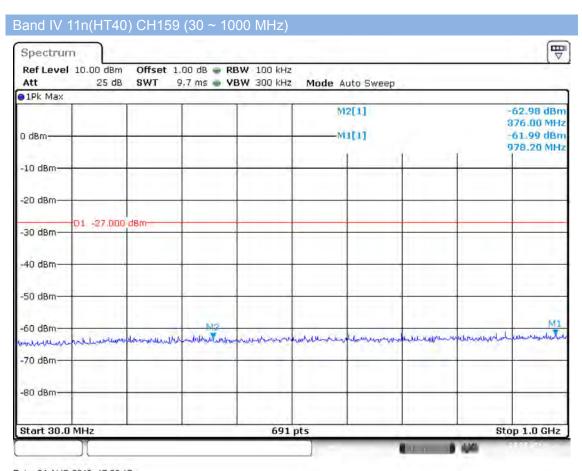
Band IV 11n(HT40) CH151 (1 ~ 20 GHz)





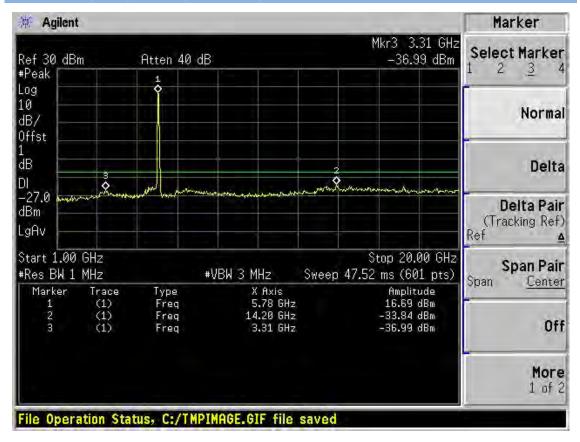
Band IV 11n(HT40) CH151 (20 ~ 40 GHz)



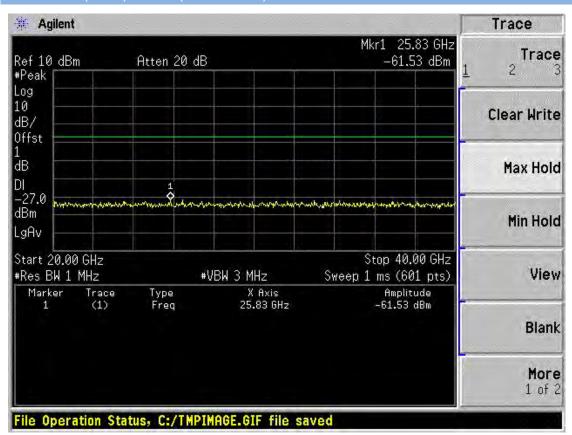




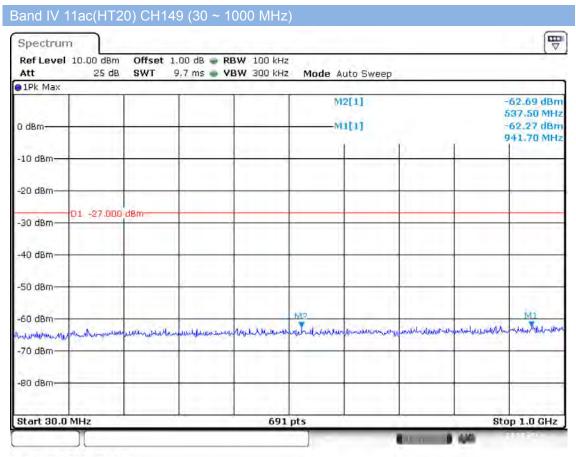
Band IV 11n(HT40) CH159 (1 ~ 20 GHz)



Band IV 11n(HT40) CH159 (20 ~ 40 GHz)

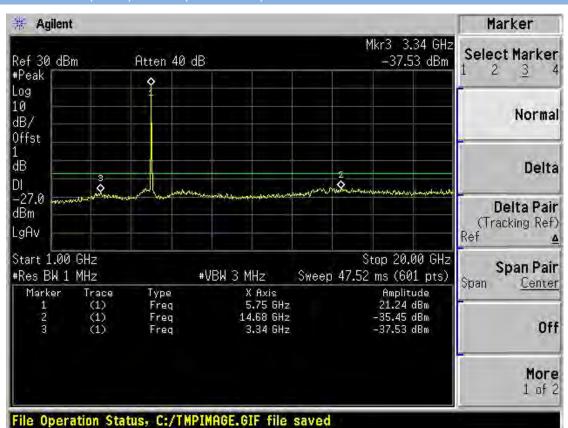






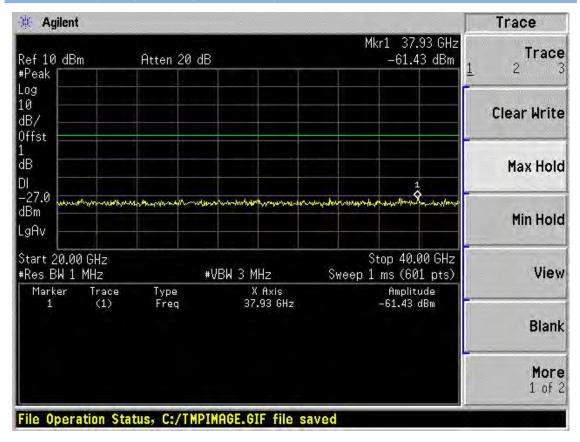
Date: 24.AUG.2015 17:14:39

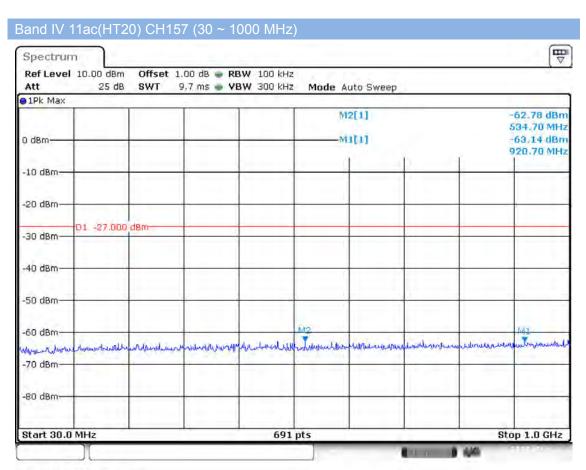
Band IV 11ac(HT20) CH149 (1 ~ 20 GHz)





Band IV 11ac(HT20) CH149 (20 ~ 40 GHz)

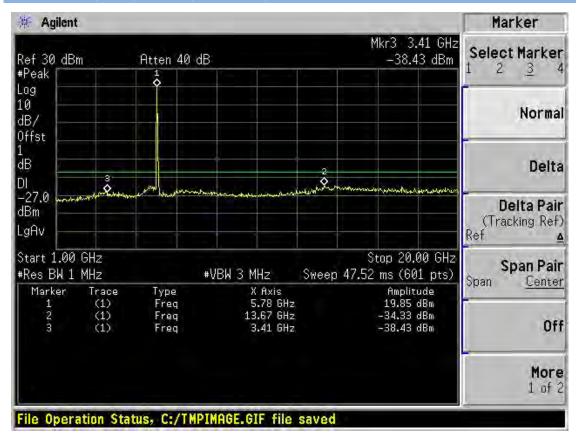




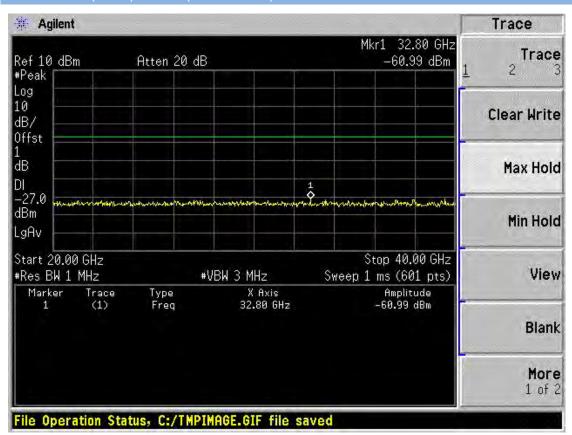
Date: 24.AUG.2015 17:15:26



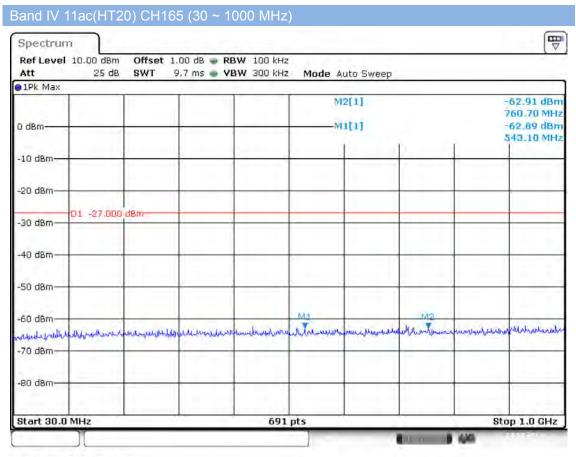
Band IV 11ac(HT20) CH157 (1 ~ 20 GHz)



Band IV 11ac(HT20) CH157 (20 ~ 40 GHz)

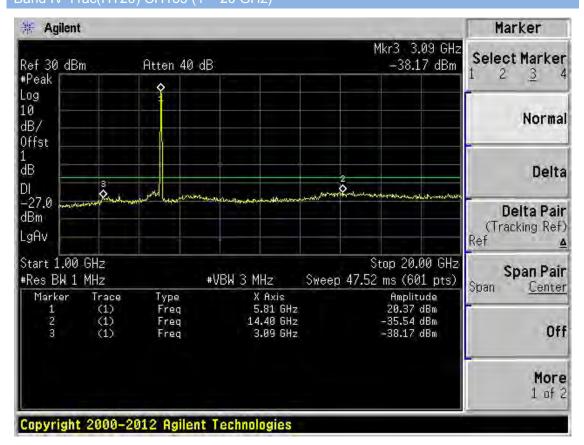






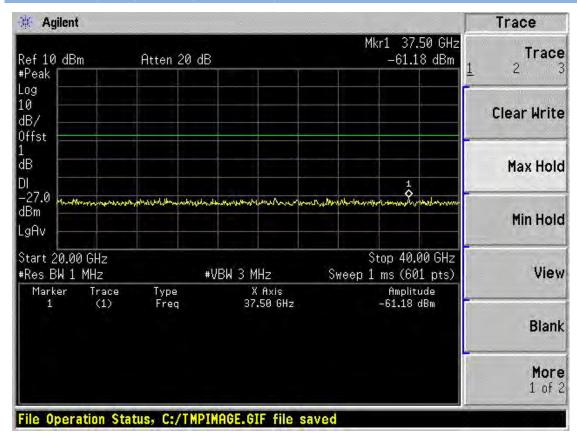
Date: 24.AUG.2015 17:16:09

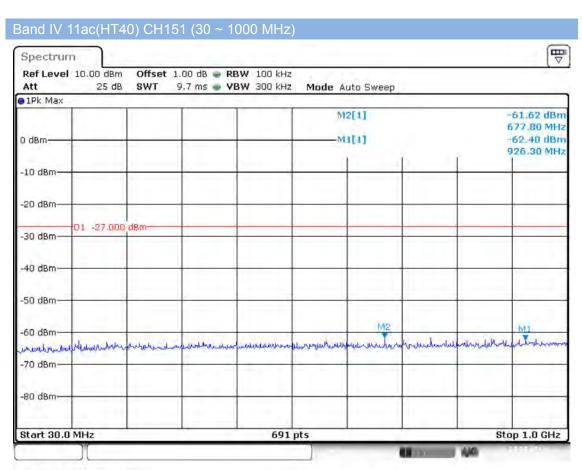
Band IV 11ac(HT20) CH165 (1 ~ 20 GHz)





Band IV 11ac(HT20) CH165 (20 ~ 40 GHz)

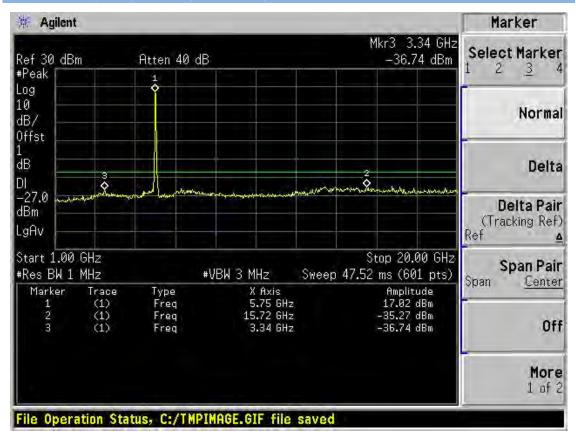




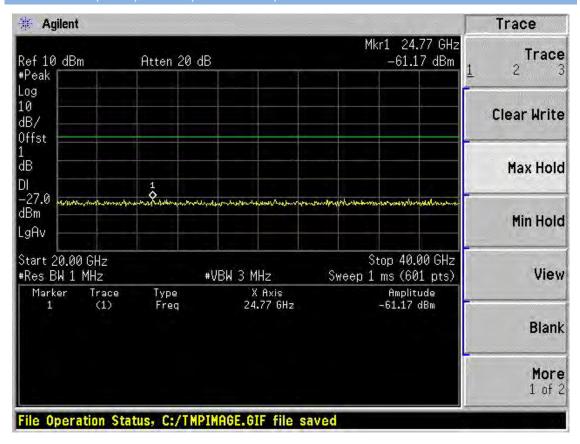
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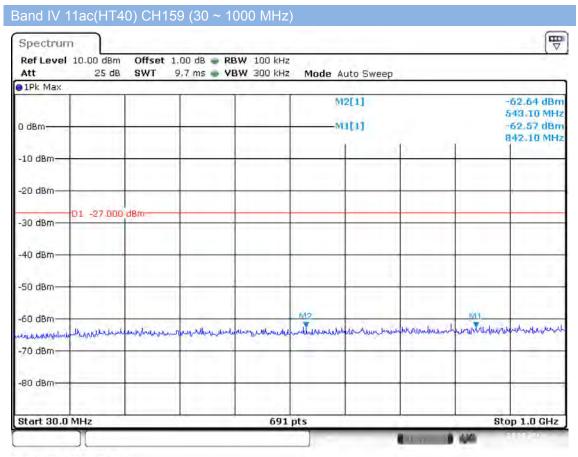
Band IV 11ac(HT40) CH151 (1 ~ 20 GHz)



Band IV 11ac(HT40) CH151 (20 ~ 40 GHz)

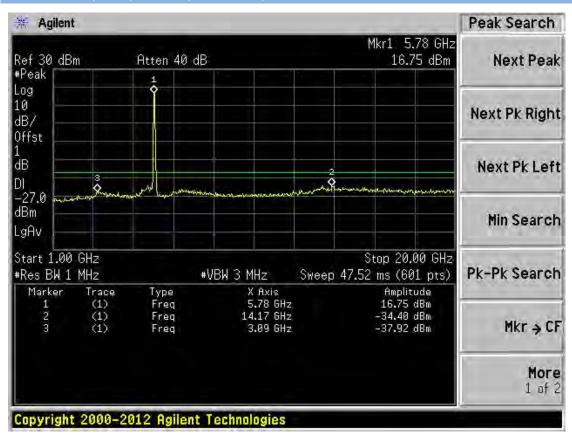






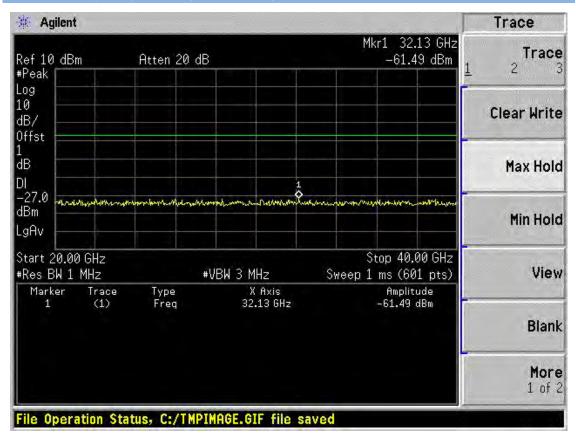
Date: 24.AUG.2015 17:17:30

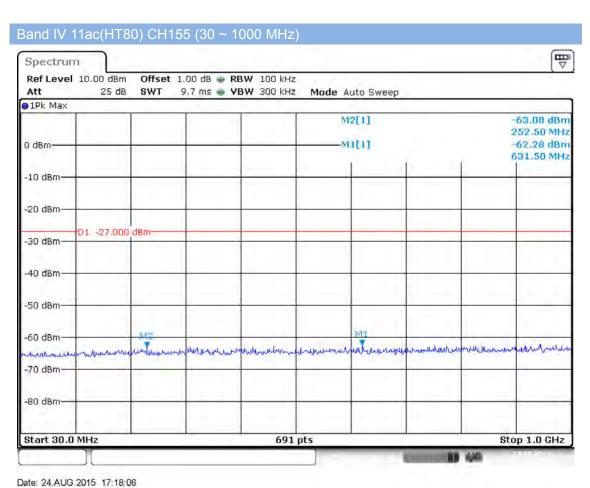
Band IV 11ac(HT40) CH159 (1 ~ 20 GHz)





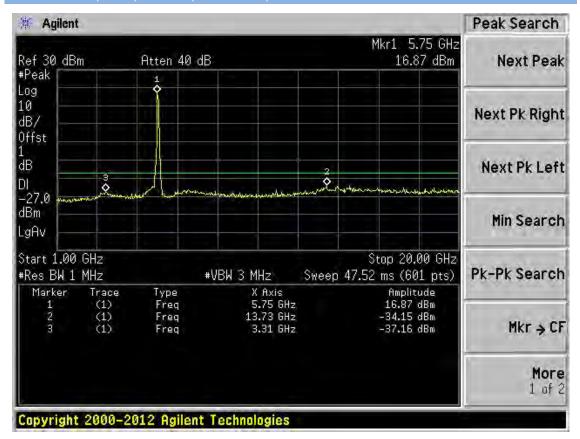
Band IV 11ac(HT40) CH159 (20 ~ 40 GHz)



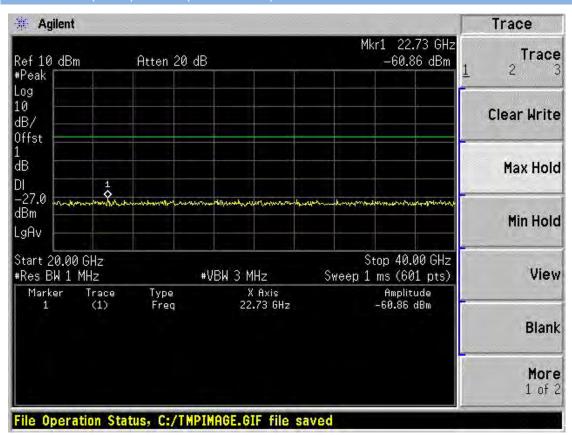




Band IV 11ac(HT80) CH155 (1 ~ 20 GHz)



Band IV 11ac(HT80) CH155 (20 ~ 40 GHz)





A.7 Radiated Emission

Antenna-port Conducted test data

E = EIRP - 20log D + 104.8

where:

 $E = electric field strength in dB\mu V/m$,

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)

The worst data (Test frequency: below 6 GHz with 23 dBi Antenna gain)

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 23 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.

Note 4: The frequency is fundamental signal which can be ignored.

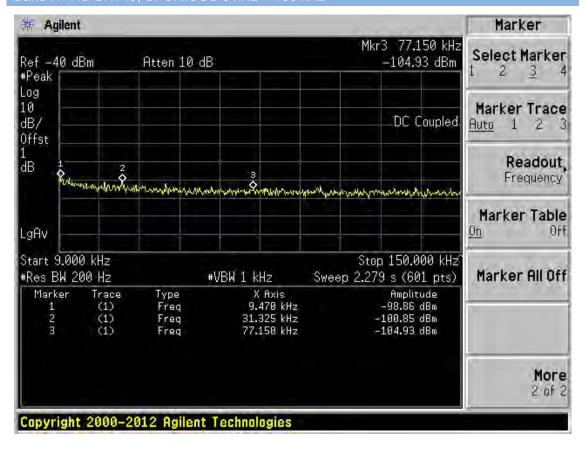
Band IV 11a CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
0.00947	-98.86	6	3	23	QP	25.40	68.20	42.80	Note 1	PASS
0.45	-86.84	6	3	23	QP	37.42	68.20	30.78	Note 1	PASS
62.3	-80.59	4.7	3	23	QP	42.37	68.20	25.83	Note 1	PASS
852.9	-81.23	4.7	3	23	QP	41.73	68.20	26.47	Note 1	PASS
3317	-57.92	0	3	23	PK	60.34	68.20	7.86	Note 1	PASS
3317	-69.45	0	3	23	AV	48.81	54.00	5.19		PASS
5517	-55.5	0	3	23	PK	62.76	68.20	5.44	Note 1	PASS
5517	-66.81	0	3	23	AV	51.45	54.00	2.55		PASS
E7E0	24.45	0	3	23	PK	N/A	N/A	N/A	Note 1	N/A
5750	N/A	0	3	23	AV	N/A	N/A	N/A	Note 1	N/A

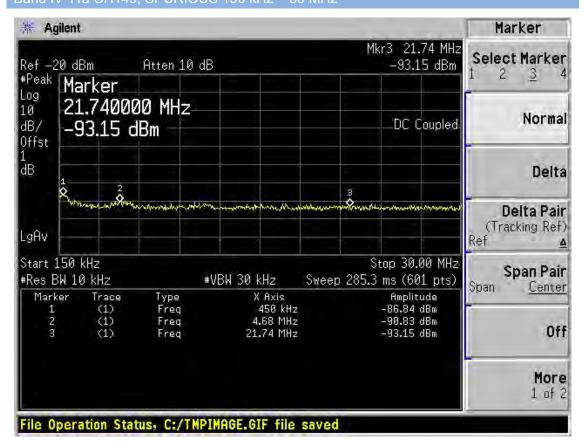


Test Plots

Band IV 11a CH149, SPURIOUS 9 kHz ~ 150 kHz

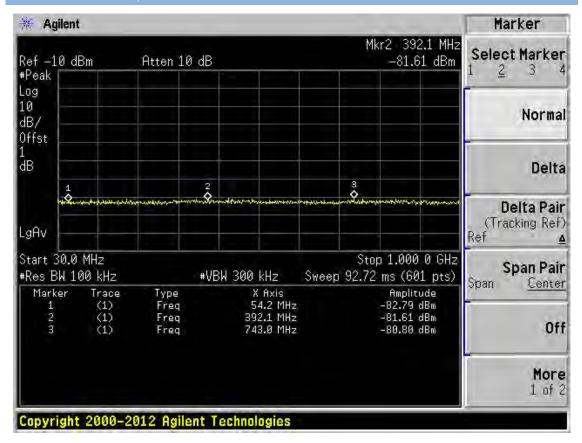


Band IV 11a CH149, SPURIOUS 150 kHz ~ 30 MHz

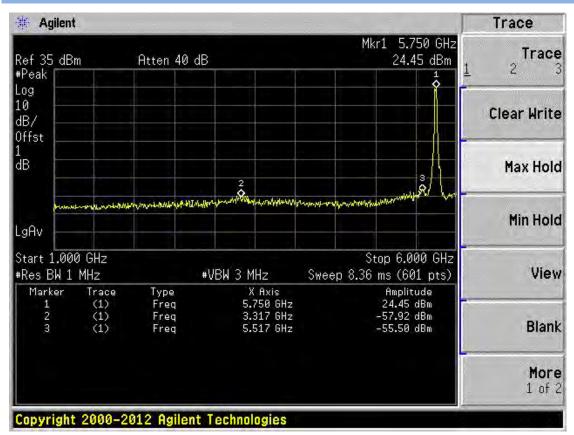




Band IV 11a CH149, SPURIOUS 30 MHz ~ 1 GHz



Band IV 11a CH149, SPURIOUS 1 GHz ~ 6 GHz





Test Data(Test frequency: 6 - 20 GHz with 23 dBi Antenna gain)

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.

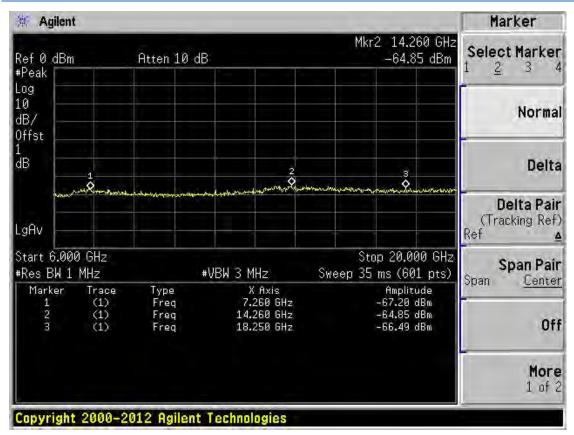
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11a C	H36									
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7260	-67.2	0	3	23	PK	51.06	68.20	17.14	Note 1	PASS
7200	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14260	-64.85	0	3	23	PK	53.41	68.20	14.79	Note 1	PASS
14260	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
10050	-66.49	0	3	23	PK	51.77	68.20	16.43	Note 1	PASS
18250	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11a CH36, SPURIOUS 6 GHz ~ 20 GHz





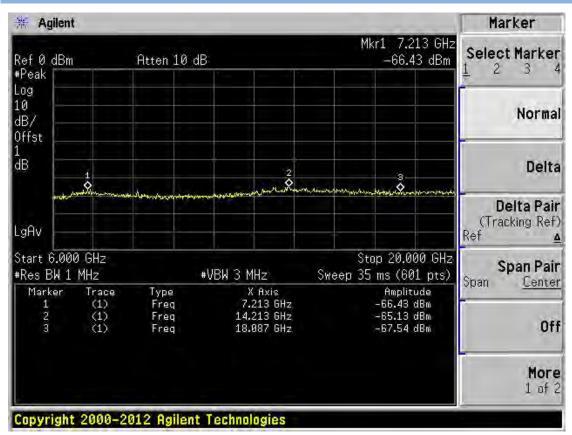
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11a C	H40									
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-66.43	0	3	23	PK	51.83	68.20	16.37	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14213	-65.13	0	3	23	PK	53.13	68.20	15.07	Note 1	PASS
14213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
10007	-67.54	0	3	23	PK	50.72	68.20	17.48	Note 1	PASS
18087	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11a CH40, SPURIOUS 6 GHz ~ 20 GHz





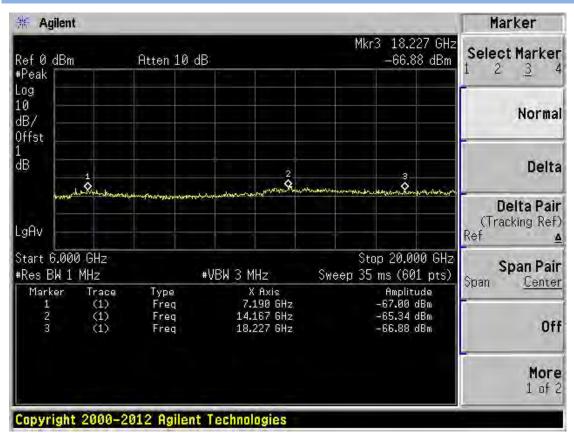
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11a C	H48									
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7190	-67	0	3	23	PK	51.26	68.20	16.94	Note 1	PASS
7 190	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14167	-65.34	0	3	23	PK	52.92	68.20	15.28	Note 1	PASS
14107	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
10227	-66.88	0	3	23	PK	51.38	68.20	16.82	Note 1	PASS
18227	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11a CH48, SPURIOUS 6 GHz ~ 20 GHz





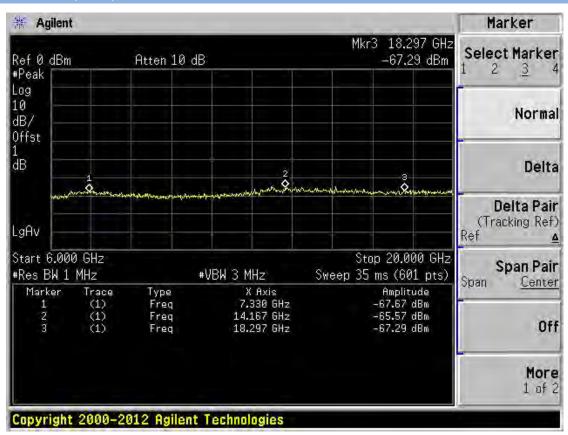
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11n(H	IT20) CH3	36								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7330	-67.67	0	3	23	PK	50.59	68.20	17.61	Note 1	PASS
7330	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14167	-65.57	0	3	23	PK	52.69	68.20	15.51	Note 1	PASS
14107	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
19207	-67.29	0	3	23	PK	50.97	68.20	17.23	Note 1	PASS
18297	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11n(HT20) CH36, SPURIOUS 6 GHz ~ 20 GHz





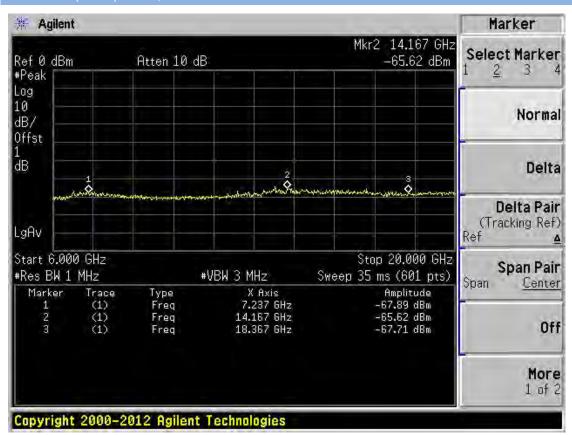
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11n(H	IT20) CH4	0								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7237	-67.89	0	3	23	PK	50.37	68.20	17.83	Note 1	PASS
1231	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
44467	-65.62	0	3	23	PK	52.64	68.20	15.56	Note 1	PASS
14167	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
10267	-67.89	0	3	23	PK	50.37	68.20	17.83	Note 1	PASS
18367	N/A	0	3	23	Δ\/	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11n(HT20) CH40, SPURIOUS 6 GHz ~ 20 GHz





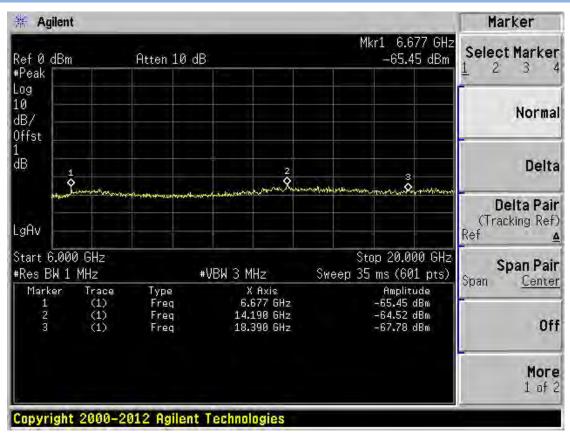
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11n(H	IT20) CH4	l 8								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
6677	-65.46	0	3	23	PK	52.80	68.20	15.40	Note 1	PASS
0077	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14190	-64.52	0	3	23	PK	53.74	68.20	14.46	Note 1	PASS
14190	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
19200	-67.78	0	3	23	PK	50.48	68.20	17.72	Note 1	PASS
18390	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11n(HT20) CH48, SPURIOUS 6 GHz ~ 20 GHz





And the maximum in-band gain of the antenna is 23 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 I 11n(HT40) CH38 Ground Max Frequency Value Reflection D Ε Limit Margin gain Detector Remark Verdict (MHz) (dBm) Factor (m) $(dB\mu V/m)$ $(dB\mu V/m)$ (dB) (dBi) (dB) -66.65 3 23 PK 51.61 68.20 16.59 Note 1 **PASS** 6933 0 3 ΑV N/A N/A 23 54.00 N/A Note 2 **PASS** -64.24 3 23 PΚ 54.02 68.20 14.18 Note 1 PASS 14190 0 3 ΑV 54.00 14.39 -78.65 23 39.61 **PASS** -68.33 3 23 PΚ 49.93 68.20 18.27 Note 1 **PASS** 18413 0

ΑV

N/A

54.00

N/A

Note 2

PASS

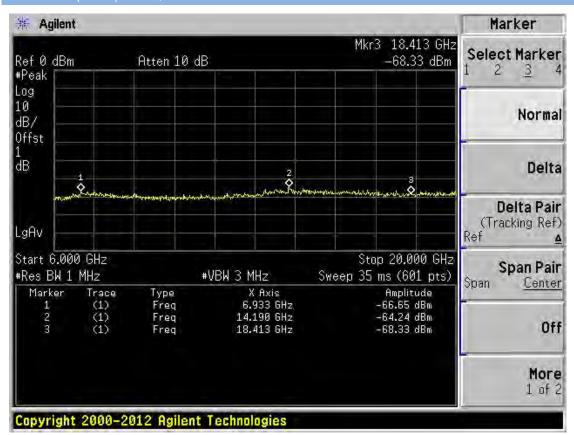
Test Plots

N/A

Band I 11n(HT40) CH38, SPURIOUS 6 GHz ~ 20 GHz

3

23





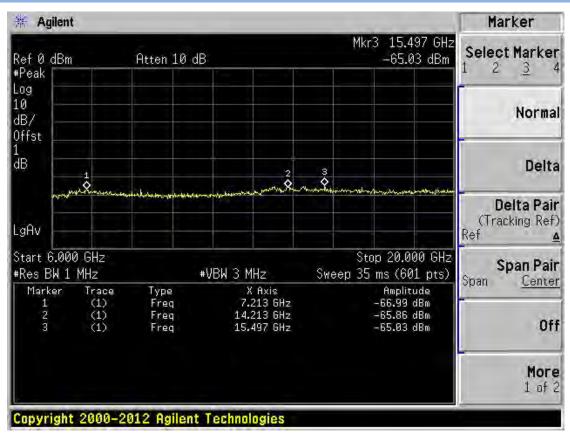
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11n(H	IT40) CH4	ŀ6								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-66.99	0	3	23	PK	51.27	68.20	16.93	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14213	-65.86	0	3	23	PK	52.40	68.20	15.80	Note 1	PASS
14213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
15407	-65.03	0	3	23	PK	53.23	68.20	14.97	Note 1	PASS
15497	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11n(HT40) CH46, SPURIOUS 6 GHz ~ 20 GHz





And the maximum in-band gain of the antenna is 23 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 I 11ac	(HT20) CH	136								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-66.76	0	3	23	PK	51.50	68.20	16.70	Note 1	PASS
1213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14100	-64.41	0	3	23	PK	53.85	68.20	14.35	Note 1	PASS
14190	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
16967	-66.46	0	3	23	PK	51.80	68.20	16.40	Note 1	PASS
10801	1	ı U	1	1	1	I	I	1		I

ΑV

N/A

54.00

N/A

Note 2

PASS

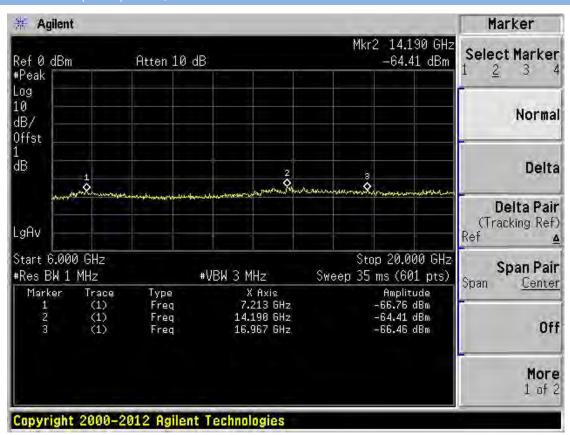
Test Plots

N/A

Band I 11ac(HT20) CH36, SPURIOUS 6 GHz ~ 20 GHz

3

23





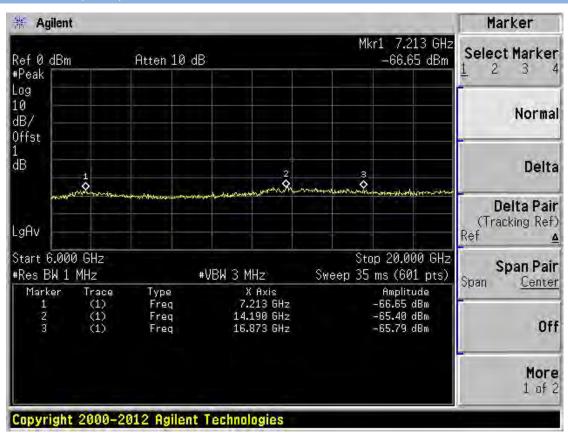
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11ac(HT20) CH	140								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-66.65	0	3	23	PK	51.61	68.20	16.59	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14190	-65.4	0	3	23	PK	52.86	68.20	15.34	Note 1	PASS
14190	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
16072	-66.65	0	3	23	PK	51.61	68.20	16.59	Note 1	PASS
16873	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11ac(HT20) CH40, SPURIOUS 6 GHz ~ 20 GHz





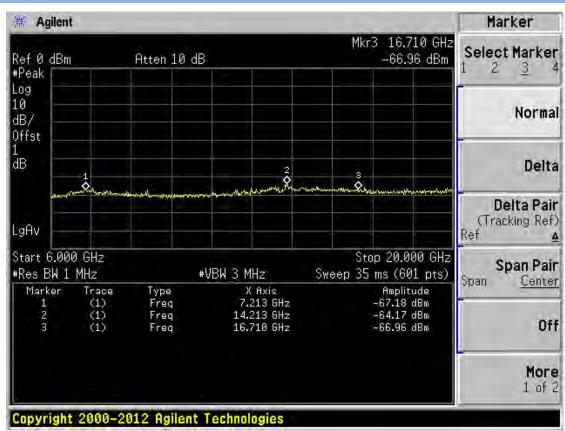
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11ac(HT20) CH	48								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-67.17	0	3	23	PK	51.09	68.20	17.11	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
44040	-64.17	0	3	23	PK	54.09	68.20	14.11	Note 1	PASS
14213	-75.68	0	3	23	AV	42.58	54.00	11.42		PASS
16710	-66.96	0	3	23	PK	51.30	68.20	16.90	Note 1	PASS
16710	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11ac(HT20) CH48, SPURIOUS 6 GHz ~ 20 GHz





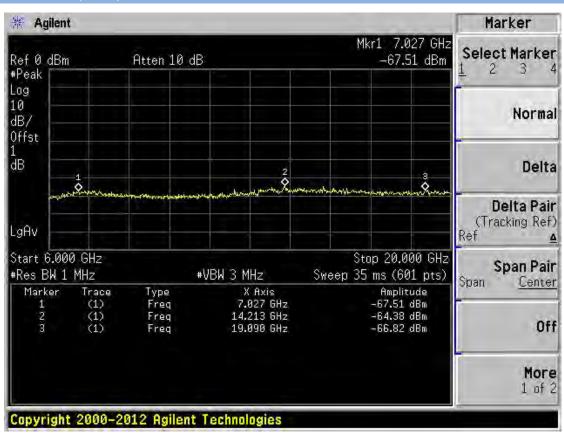
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11ac(HT40) CH	138								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7027	-67.51	0	3	23	PK	50.75	68.20	17.45	Note 1	PASS
7027	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14213	-64.38	0	3	23	PK	53.88	68.20	14.32	Note 1	PASS
14213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
10000	-66.82	0	3	23	PK	51.44	68.20	16.76	Note 1	PASS
19090	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11ac(HT40) CH38, SPURIOUS 6 GHz ~ 20 GHz





And the maximum in-band gain of the antenna is 23 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 I 11ac(H140) CH	146								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7237	-67.4	0	3	23	PK	50.86	68.20	17.34	Note 1	PASS
1231	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14100	-65.19	0	3	23	PK	53.07	68.20	15.13	Note 1	PASS
14190	N/A] 0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

PΚ

ΑV

53.24

N/A

68.20

54.00

14.96

N/A

Note 1

Note 2

PASS

PASS

Test Plots

15637

-65.02

N/A

Band I 11ac(HT40) CH46, SPURIOUS 6 GHz ~ 20 GHz

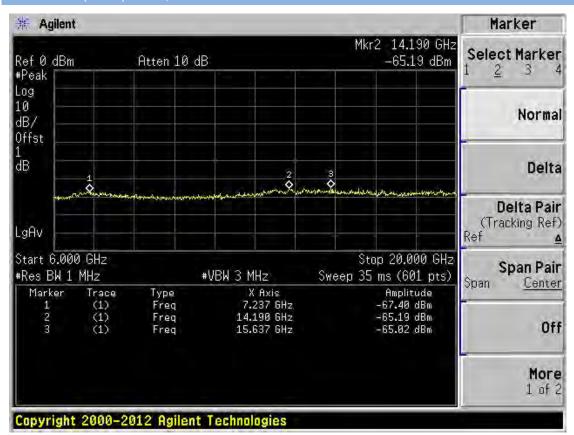
3

3

0

23

23





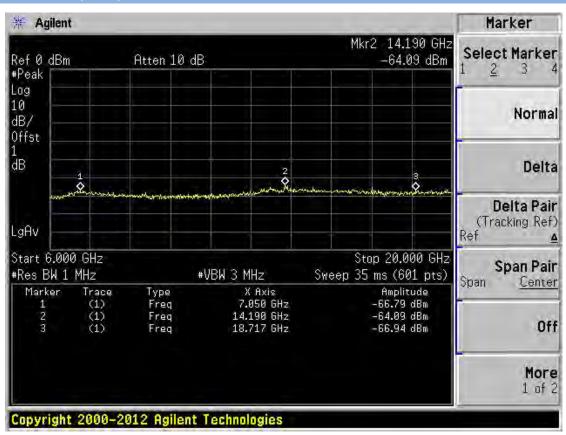
And the maximum in-band gain of the antenna is 23 dBi.

- 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 I 11ac(HT80) CH	42								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7050	-66.79	0	3	23	PK	51.47	68.20	16.73	Note 1	PASS
7050	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14190	-64.09	0	3	23	PK	54.17	68.20	14.03	Note 1	PASS
14190	-78.16	0	3	23	AV	40.10	54.00	13.90		PASS
10717	-66.94	0	3	23	PK	51.32	68.20	16.88	Note 1	PASS
18717	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band I 11ac(HT80) CH42, SPURIOUS 6 GHz ~ 20 GHz





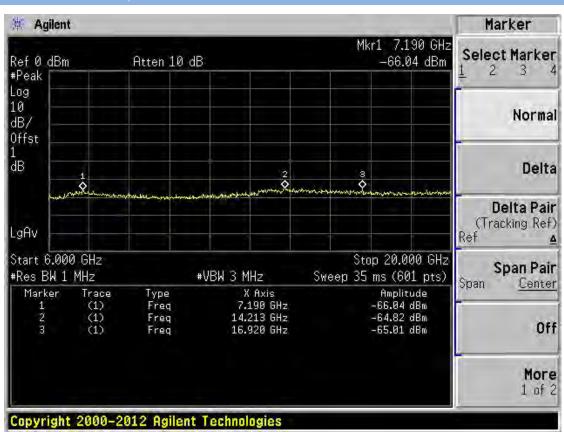
And the maximum in-band gain of the antenna is 23 dBi.

- 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 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
7190	-66.04	0	3	23	PK	52.22	68.20	15.98	Note 1	PASS
7 190	N/A	0	3	23	AV	N/A	54.0	N/A	Note 2	PASS
14213	-64.82	0	3	23	PK	53.44	68.20	14.76	Note 1	PASS
14213	N/A	U	3	23	AV	N/A	54.0	N/A	Note 2	PASS
16020	-65.01	0	3	23	PK	53.25	68.20	14.95	Note 1	PASS
16920	N/A	0	3	23	AV	N/A	54.0	N/A	Note 2	PASS

Test Plots

Band IV 11a CH149, SPURIOUS 6 GHz ~ 20 GHz





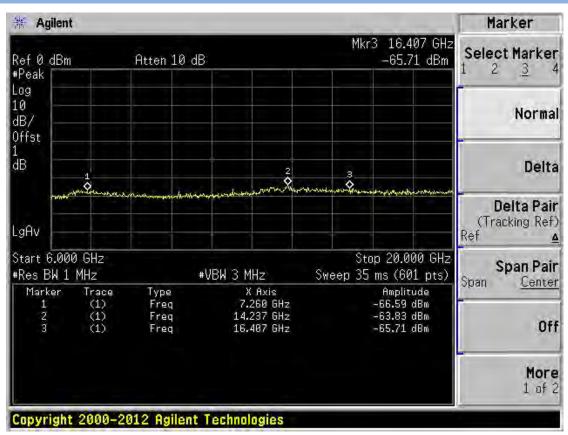
And the maximum in-band gain of the antenna is 23 dBi.

- 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 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
7260	-66.59	0	3	23	PK	51.67	68.20	16.53	Note 1	PASS
7200	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14237	-63.83	0	3	23	PK	54.43	68.20	13.77	Note 1	PASS
14237	-79.65		3	23	AV	38.61	54.50	15.39		PASS
16407	-65.71	0	3	23	PK	52.55	68.20	15.65	Note 1	PASS
16407	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11a CH157, SPURIOUS 6 GHz ~ 20 GHz





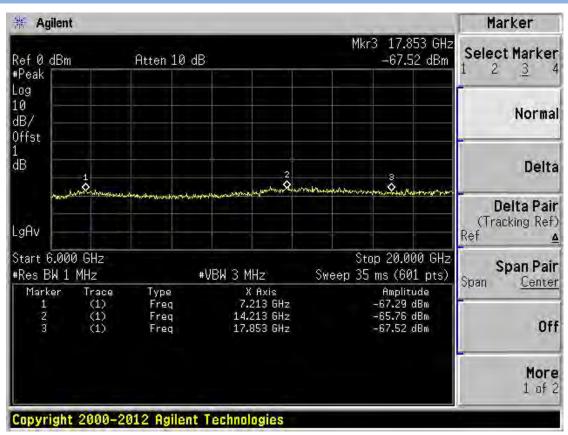
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11a	CH165									
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-67.29	0	3	23	PK	50.97	68.20	17.23	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14212	-65.76	0	3	23	PK	52.50	68.20	15.70	Note 1	PASS
14213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17052	-67.52	0	3	23	PK	50.74	68.20	17.46	Note 1	PASS
17853	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11a CH165, SPURIOUS 6 GHz ~ 20 GHz





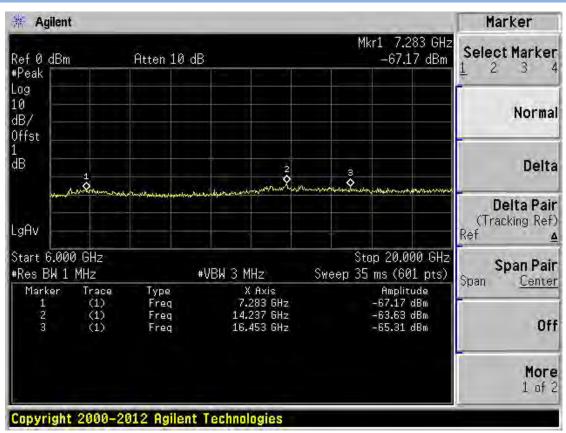
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11n(HT20) CH	1149								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7283	-67.17	0	3	23	PK	51.09	68.20	17.11	Note 1	PASS
7283	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14237	-63.63	0	3	23	PK	54.63	68.20	13.57	Note 1	PASS
14237	-79.05	U	3	23	AV	39.21	54.00	14.79		PASS
16452	-65.31	0	3	23	PK	52.95	68.20	15.25	Note 1	PASS
16453	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11n(HT20) CH149, SPURIOUS 6 GHz ~ 20 GHz





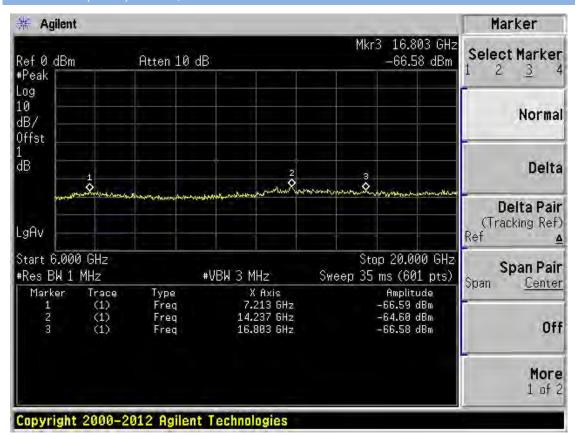
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11n	(HT20) CH	H157								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7012	-66.59	0	3	23	PK	51.67	68.20	16.53	Note 1	PASS
7213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
44027	-64.6	0	3	23	PK	53.66	68.20	14.54	Note 1	PASS
14237	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
46000	-66.58	0	3	23	PK	51.68	68.20	16.52	Note 1	PASS
16803	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11n(HT20) CH157, SPURIOUS 6 GHz ~ 20 GHz





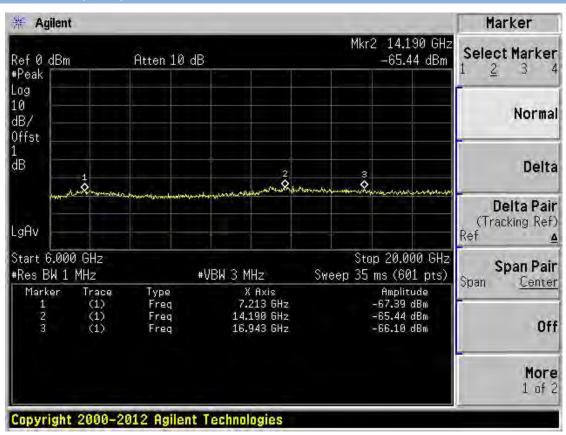
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11n(HT20) CH	H165								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-67.39	0	3	23	PK	50.87	68.20	17.33	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14190	-65.44	0	3	23	PK	52.82	68.20	15.38	Note 1	PASS
14190	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
16042	-66.1	0	3	23	PK	52.16	68.20	16.04	Note 1	PASS
16943	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11n(HT20) CH165, SPURIOUS 6 GHz ~ 20 GHz





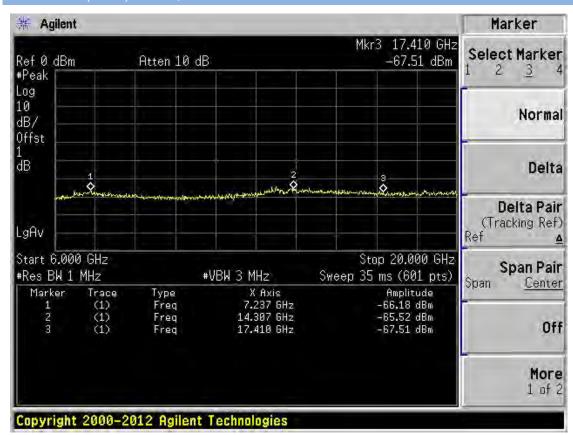
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11n(HT40) CH	1151								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7227	-66.18	0	3	23	PK	52.08	68.20	16.12	Note 1	PASS
7237	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14207	-65.52	0	3	23	PK	52.74	68.20	15.46	Note 1	PASS
14307	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17440	-67.51	0	3	23	PK	50.75	68.20	17.45	Note 1	PASS
17410	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11n(HT40) CH151, SPURIOUS 6 GHz ~ 20 GHz





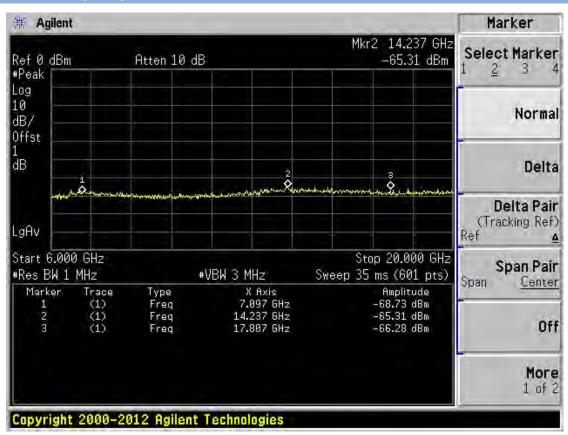
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11n(HT40) CH	H159								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7097	-68.73	0	3	23	PK	49.53	68.20	18.67	Note 1	PASS
7097	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14227	-65.31	0	3	23	PK	52.95	68.20	15.25	Note 1	PASS
14237	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17007	-66.28	0	3	23	PK	51.98	68.20	16.22	Note 1	PASS
17807	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11n(HT40) CH159, SPURIOUS 6 GHz ~ 20 GHz





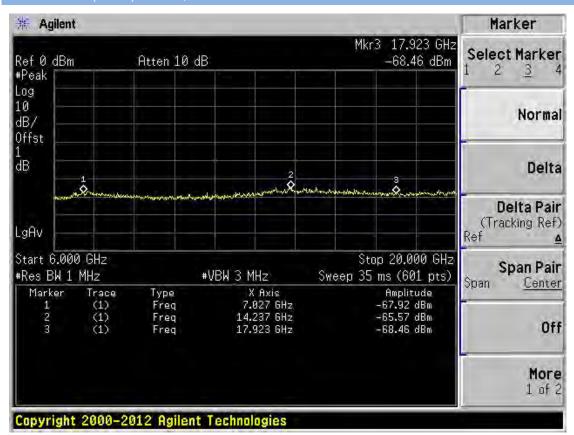
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11ad	(HT20) C	H149								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7027	-67.92	0	3	23	PK	50.34	68.20	17.86	Note 1	PASS
7027	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14227	-65.57	0	3	23	PK	52.69	68.20	15.51	Note 1	PASS
14237	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
47000	-68.46	0	3	23	PK	49.80	68.20	18.40	Note 1	PASS
17923	N/A	0	3	23	Δ\/	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11ac(HT20) CH149, SPURIOUS 6 GHz ~ 20 GHz





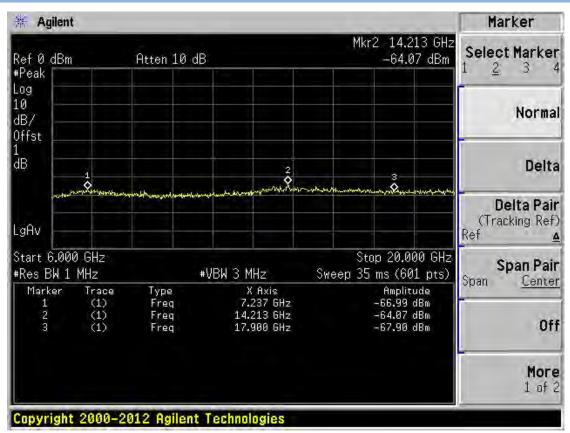
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11ad	(HT20) C	H157								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7237	-66.99	0	3	23	PK	51.27	68.20	16.93	Note 1	PASS
7237	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14213	-64.07	0	3	23	PK	54.19	68.20	14.01	Note 1	PASS
14213	-75.64	0	3	23	AV	42.62	54.00	11.38		PASS
17000	-67.9	0	3	23	PK	50.36	68.20	17.84	Note 1	PASS
17900	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11ac(HT20) CH157, SPURIOUS 6 GHz ~ 20 GHz





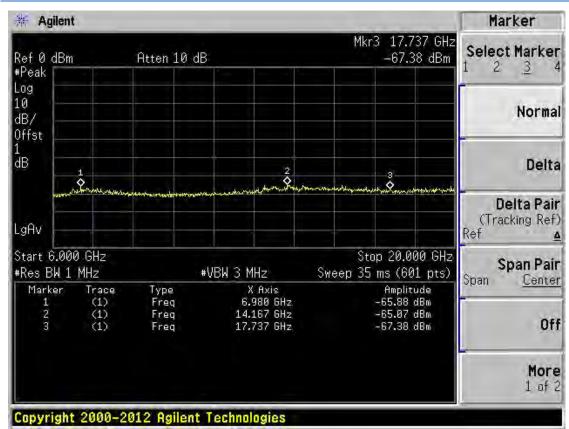
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11ac(HT20) CH165 Ground Max Frequency Value Reflection D Ε Limit Margin gain Detector Remark Verdict (MHz) (dBm) Factor (m) $(dB\mu V/m)$ $(dB\mu V/m)$ (dB) (dBi) (dB) -65.88 3 23 PK 52.38 68.20 15.82 Note 1 **PASS** 6980 0 3 ΑV N/A N/A 23 54.00 N/A Note 2 **PASS** 3 23 PΚ 53.19 68.20 15.01 Note 1 **PASS** -65.0714167 0 N/A 3 ΑV N/A 54.00 N/A Note 2 **PASS** 23 -67.38 3 23 PΚ 50.88 68.20 17.32 Note 1 **PASS** 17377 0 N/A 3 23 ΑV N/A 54.00 N/A Note 2 **PASS**

Test Plots

Band IV 11ac(HT20) CH165, SPURIOUS 6 GHz ~ 20 GHz





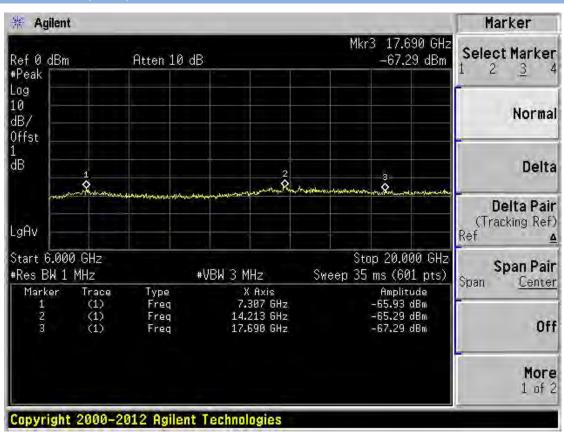
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11ad	(HT40) C	H151								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7307	-65.93	0	3	23	PK	52.33	68.20	15.87	Note 1	PASS
7307	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14213	-65.29	0	3	23	PK	52.97	68.20	15.23	Note 1	PASS
14213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17600	-67.29	0	3	23	PK	50.97	68.20	17.23	Note 1	PASS
17690	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11ac(HT40) CH151, SPURIOUS 6 GHz ~ 20 GHz





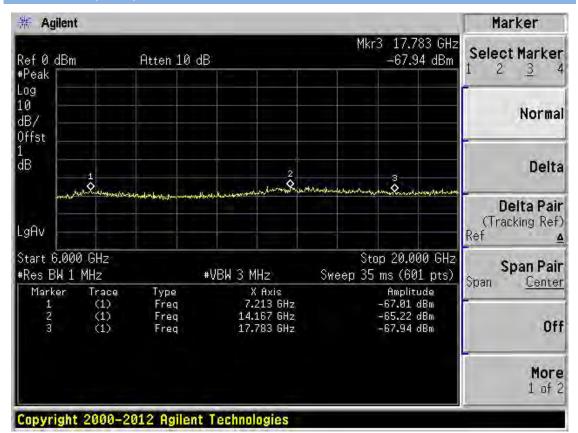
And the maximum in-band gain of the antenna is 23 dBi.

- 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 IV 11ad	(HT40) C	H159								
Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D (m)	Max gain (dBi)	Detector	E (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark	Verdict
7213	-67.01	0	3	23	PK	51.25	68.20	16.95	Note 1	PASS
7213	N/A	U	3	23	AV	N/A	54.00	N/A	Note 2	PASS
44467	-65.22	0	3	23	PK	53.04	68.20	15.16	Note 1	PASS
14167	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17702	-67.94	0	3	23	PK	50.32	68.20	17.88	Note 1	PASS
17783	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11ac(HT40) CH159, SPURIOUS 6 GHz ~ 20 GHz





And the maximum in-band gain of the antenna is 23 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.

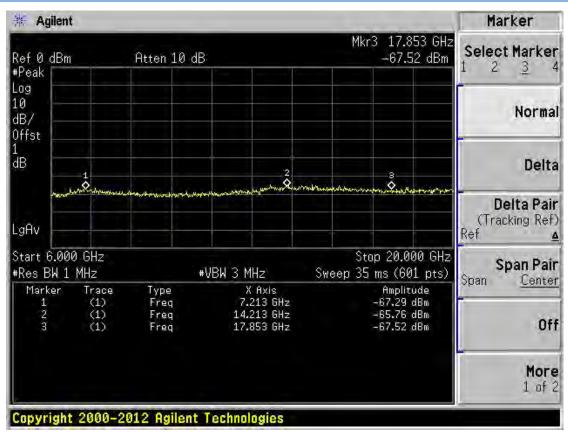
Note 3: The harmonic (2th, 3th, 4th, etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band 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
7213	-67.29	0	3	23	PK	50.97	68.20	17.23	Note 1	PASS
7213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
14212	-65.76	0	3	23	PK	52.50	68.20	15.70	Note 1	PASS
14213	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS
17052	-67.52	0	3	23	PK	50.74	68.20	17.46	Note 1	PASS
17853	N/A	0	3	23	AV	N/A	54.00	N/A	Note 2	PASS

Test Plots

Band IV 11ac(HT80) CH155, SPURIOUS 6 GHz ~ 20 GHz



Test Frequency: 20 GHz ~ 40 GHz

Note: Only noise floor was seen above 20 GHz and not reported.

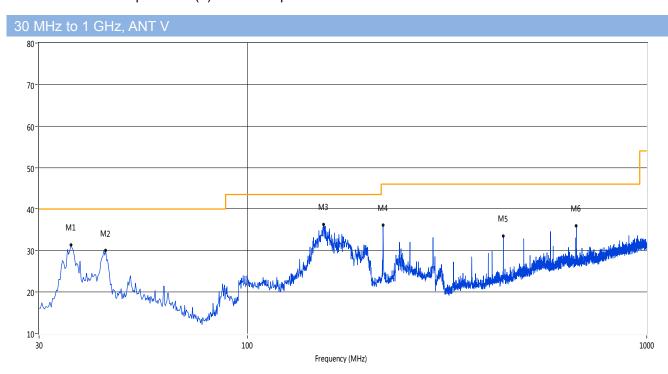


Cabinet Radiated spurious emission test

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

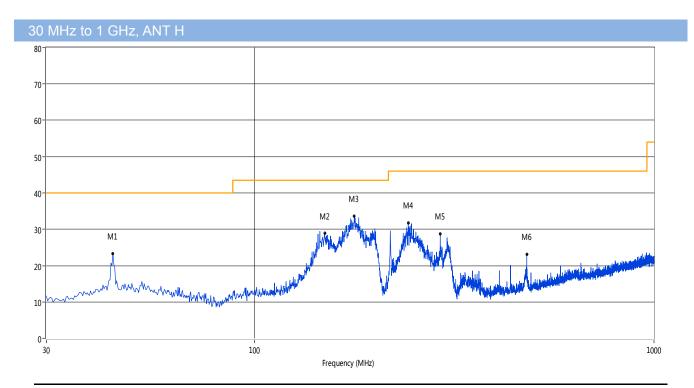
Note 2: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.



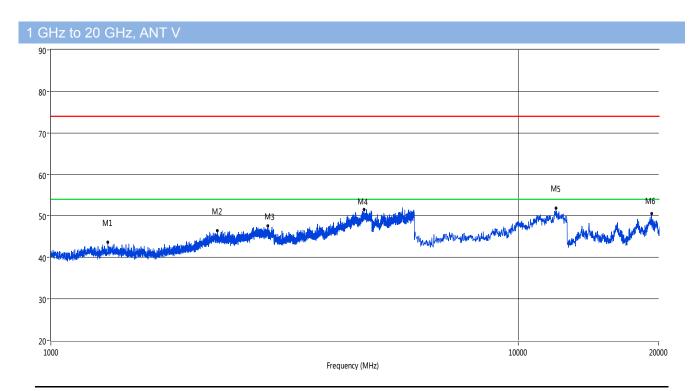
No.	Frequency	Results	Factor (dB)	Limit	Margin	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(0)	(cm)		
1	36.06	31.30	-21.00	40.0	8.70	Peak	339.00	100	Vertical	PASS
2	44.06	30.04	-18.90	40.0	9.96	Peak	92.70	100	Vertical	PASS
3	154.86	36.32	-23.33	43.5	7.18	Peak	243.40	100	Vertical	PASS
4	218.37	26.18	-20.04	46.0	19.82	Peak	243.40	100	Vertical	PASS
5	437.06	23.57	-14.59	46.0	22.43	Peak	348.50	100	Vertical	PASS
6	665.92	25.98	-10.02	46.0	20.02	Peak	260.40	100	Vertical	PASS





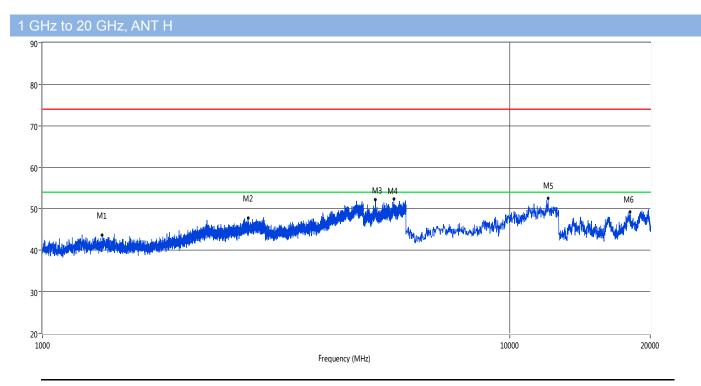
No.	Frequency	Results	Factor (dB)	Limit	Margin	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(0)	(cm)		
1	44.06	23.37	-18.90	40.0	16.63	Peak	41.00	100	Horizontal	PASS
2	149.52	28.91	-23.48	43.5	14.59	Peak	16.00	100	Horizontal	PASS
3	177.40	33.56	-22.22	43.5	9.94	Peak	113.00	100	Horizontal	PASS
4	242.13	31.68	-19.13	46.0	14.32	Peak	302.00	100	Horizontal	PASS
5	291.35	28.80	-17.96	46.0	17.20	Peak	89.00	100	Horizontal	PASS
6	479.97	23.18	-13.81	46.0	22.82	Peak	225.00	100	Horizontal	PASS





No.	Frequency	Results	Factor (dB)	Limit	Margin	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(0)	(cm)		
1	1323.92	43.72	-4.79	74.0	30.28	Peak	132.30	100	Vertical	PASS
2	2272.68	46.40	-0.51	74.0	27.60	Peak	99.30	100	Vertical	PASS
3	2916.52	47.56	2.27	74.0	26.44	Peak	243.60	100	Vertical	PASS
4	4683.33	51.48	13.17	74.0	22.52	Peak	271.00	100	Vertical	PASS
5	12053.66	51.91	20.82	74.0	22.09	Peak	269.70	100	Vertical	PASS
6	19309.48	50.49	13.46	74.0	23.51	Peak	57.40	100	Vertical	PASS





No.	Frequency	Results	Factor (dB)	Limit	Margin	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(0)	(cm)		
1	1342.41	43.65	-4.64	74.0	30.35	Peak	43.90	100	Horizontal	PASS
2	2754.56	47.81	1.76	74.0	26.19	Peak	288.60	100	Horizontal	PASS
3	5164.71	52.16	14.92	74.0	21.84	Peak	0.10	100	Horizontal	PASS
4	5650.59	52.30	15.71	74.0	21.70	Peak	359.40	100	Horizontal	PASS
5	12098.59	52.61	20.77	74.0	21.39	Peak	355.00	100	Horizontal	PASS
6	18116.06	49.29	12.97	74.0	24.71	Peak	359.30	100	Horizontal	PASS

Test Frequency: 20 GHz ~ 40 GHz

Note: Only noise floor was seen above 20 GHz and not reported.



A.8 Frequency Stability

Measurement Data (the worst channel)

5150-5250 MHz band:

Voltage vs. Frequency Stability (Lowest Channel=5180 MHz)

Test Co	nditions	Test Frequency	Measurement	Max. Deviation
Temperature (°C)	Voltage (VDC)	(MHz)	Frequency (MHz)	(ppm)
	55.2	5180	5180.010412	2.01
20	48.0	5180	5180.011654	2.25
	40.8	5180	5180.010716	2.07

Temperature vs. Frequency Stability (Lowest Channel=5180 MHz)

		Tark Francisco		M. D. Liller
lest Co	onditions	Test Frequency	Measurement	Max. Deviation
Voltage (VDC)	Temperature (°C)	(MHz)	Frequency (MHz)	(ppm)
	-20	5180	5180.012684	2.45
	-10	5180	5180.014597	2.82
	0	5180	5180.015316	2.96
49.0	10	5180	5180.011367	2.19
48.0	20	5180	5180.011574	2.23
	30	5180	5180.009756	1.88
	40	5180	5180.016513	3.19
	50	5180	5180.013567	2.62

5725-58500 MHz band:

Voltage vs. Frequency Stability (Lowest Channel=5745 MHz)

Test Co	nditions	Test Frequency	Measurement	Max. Deviation
Temperature (°C)	Voltage (VDC)	(MHz)	Frequency (MHz)	(ppm)
	55.2	5745	5745.009578	1.77
20	48.0	5745	5745.008937	1.61
	40.8	5745	5745.010265	1.51

Temperature vs. Frequency Stability (Lowest Channel=5745 MHz)

Test Co	onditions	Test Frequency	Measurement	Max. Deviation
Voltage (VDC)	Temperature (°C)	(MHz)	Frequency (MHz)	(ppm)
	-20	5745	5745.010178	1.77
	-10	5745	5745.009257	1.61
	0	5745	5745.008647	1.51
48.0	10	5745	5745.009562	1.66
40.0	20	5745	5745.010578	1.84
	30	5745	5745.008169	1.42
	40	5745	5745.009364	1.63
	50	5745	5745.012486	2.17

-- END OF REPORT--