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Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5180 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
61.04	S	Peak	28.45	-13.77	14.68	40.00	-25.32
275.41	S	Peak	27.74	-11.72	16.02	46.00	-29.98
431.58	S	Peak	27.50	-8.98	18.52	46.00	-27.48
543.13	S	Peak	28.53	-7.55	20.98	46.00	-25.02
682.81	S	Peak	28.16	-3.67	24.49	46.00	-21.51
947.62	S	Peak	27.64	0.16	27.80	46.00	-18.20
10360.00	Н	Peak	26.15	15.55	41.70	68.30	-26.60
15540.00	Н						
20720.00	Н						
25900.00	Н						
31080.00	Н						
36260.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

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:HORIZONTAL

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5180 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX LOW Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
49.40	S	Peak	27.50	-12.95	14.55	40.00	-25.45
266.68	S	Peak	26.98	-12.14	14.84	46.00	-31.16
450.01	S	Peak	27.63	-8.42	19.21	46.00	-26.79
554.77	S	Peak	27.98	-7.05	20.93	46.00	-25.07
683.78	S	Peak	27.87	-3.67	24.20	46.00	-21.80
963.14	S	Peak	28.28	0.20	28.48	54.00	-25.52
10360.00	Н	Peak	26.26	15.55	41.81	68.30	-26.49
15540.00	Н						
20720.00	Н						
25900.00	Н						
31080.00	Н						
36260.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5220 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
52.31	S	Peak	27.79	-13.09	14.70	40.00	-25.30
278.32	S	Peak	26.39	-11.60	14.79	46.00	-31.21
446.13	S	Peak	27.13	-8.57	18.56	46.00	-27.44
558.65	S	Peak	27.78	-6.78	21.00	46.00	-25.00
685.72	S	Peak	27.55	-3.69	23.86	46.00	-22.14
920.46	S	Peak	28.02	-0.29	27.73	46.00	-18.27
10440.00	Н	Peak	26.91	15.28	42.19	68.30	-26.11
15660.00	Н						
20880.00	Н						
26100.00	Н						
31320.00	Н						
36540.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5220 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
45.52	S	Peak	27.39	-13.07	14.32	40.00	-25.68
151.25	S	Peak	27.36	-12.77	14.59	43.50	-28.91
413.15	S	Peak	28.86	-8.91	19.95	46.00	-26.05
559.62	S	Peak	28.03	-6.72	21.31	46.00	-24.69
683.78	S	Peak	28.04	-3.67	24.37	46.00	-21.63
954.41	S	Peak	27.06	0.20	27.26	46.00	-18.74
10440.00	Н	Peak	26.89	15.28	42.17	68.30	-26.13
15660.00	Н						
20880.00	Н						
26100.00	Н						
31320.00	Н						
36540.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5240 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
89.17	S	Peak	33.94	-18.86	15.08	43.50	-28.42
270.56	S	Peak	26.50	-11.93	14.57	46.00	-31.43
434.49	S	Peak	27.49	-8.92	18.57	46.00	-27.43
558.65	S	Peak	27.60	-6.78	20.82	46.00	-25.18
691.54	S	Peak	27.95	-3.76	24.19	46.00	-21.81
980.60	S	Peak	27.76	0.01	27.77	54.00	-26.23
10480.00	Н	Peak	26.29	15.69	41.98	68.30	-26.32
15720.00	Н						
20960.00	Н						
26200.00	Н						
31440.00	Н						
36680.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5240 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
48.43	S	Peak	27.34	-12.97	14.37	40.00	-25.63
273.47	S	Peak	26.78	-11.81	14.97	46.00	-31.03
417.03	S	Peak	28.75	-8.92	19.83	46.00	-26.17
517.91	S	Peak	28.33	-7.43	20.90	46.00	-25.10
693.48	S	Peak	28.15	-3.83	24.32	46.00	-21.68
981.57	S	Peak	27.86	0.01	27.87	54.00	-26.13
10480.00	Н	Peak	26.81	15.69	42.50	68.30	-25.80
15720.00	Н						
20960.00	Н						
26200.00	Н						
31440.00	Н						
36680.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5180 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry
EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5150.00	E	Average	30.33	7.54	37.87	54.00	-16.13
5150.00	E	Peak	45.62	7.54	53.16	74.00	-20.84
Operation Band	d	:802.11 n20M	I Tes	t Date		:2014-03-18	

Fundamental Frequency :5180 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual FS($dB\mu V/m$) = SPA. Reading level($dB\mu V$) + Factor(dB)

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5150.00	E	Average	35.49	7.54	43.03	54.00	-10.97
5150.00	E	Peak	51.61	7.54	59.15	74.00	-14.85

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Radiated Spurious Emission Measurement Result 802.11n HT40, 5150~5250 MHz

Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5190 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
61.04	S	Peak	29.45	-13.77	15.68	40.00	-24.32
256.98	S	Peak	28.08	-12.67	15.41	46.00	-30.59
431.58	S	Peak	26.50	-8.98	17.52	46.00	-28.48
543.13	S	Peak	29.53	-7.55	21.98	46.00	-24.02
682.81	S	Peak	29.16	-3.67	25.49	46.00	-20.51
947.62	S	Peak	26.64	0.16	26.80	46.00	-19.20
10380.00	Н	Peak	26.36	15.40	41.76	68.30	-26.54
15570.00	Н						
20760.00	Н						
25950.00	Н						
31140.00	Н						
36330.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

:HORIZONTAL

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5190 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX LOW Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
49.40	S	Peak	28.50	-12.95	15.55	40.00	-24.45
266.68	S	Peak	27.98	-12.14	15.84	46.00	-30.16
450.01	S	Peak	26.63	-8.42	18.21	46.00	-27.79
554.77	S	Peak	28.98	-7.05	21.93	46.00	-24.07
683.78	S	Peak	28.87	-3.67	25.20	46.00	-20.80
963.14	S	Peak	27.28	0.20	27.48	54.00	-26.52
10380.00	Н	Peak	26.57	15.40	41.97	68.30	-26.33
15570.00	Н						
20760.00	Н						
25950.00	Н						
31140.00	Н						
36330.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5230 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
89.17	S	Peak	34.94	-18.86	16.08	43.50	-27.42
270.56	S	Peak	27.50	-11.93	15.57	46.00	-30.43
434.49	S	Peak	26.49	-8.92	17.57	46.00	-28.43
558.65	S	Peak	28.60	-6.78	21.82	46.00	-24.18
691.54	S	Peak	28.95	-3.76	25.19	46.00	-20.81
980.60	S	Peak	26.76	0.01	26.77	54.00	-27.23
10460.00	Н	Peak	26.41	15.46	41.87	68.30	-26.43
15690.00	Н						
20920.00	Н						
26150.00	Н						
31380.00	Н						
36610.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

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:HORIZONTAL

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5230 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX HIGH Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
48.43	S	Peak	28.34	-12.97	15.37	40.00	-24.63
170.65	S	Peak	28.41	-12.99	15.42	43.50	-28.08
417.03	S	Peak	27.75	-8.92	18.83	46.00	-27.17
517.91	S	Peak	29.33	-7.43	21.90	46.00	-24.10
693.48	S	Peak	29.15	-3.83	25.32	46.00	-20.68
981.57	S	Peak	26.86	0.01	26.87	54.00	-27.13
10460.00	Н	Peak	26.57	15.46	42.03	68.30	-26.27
15690.00	Н						
20920.00	Н						
26150.00	Н						
31380.00	Н						
36610.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5190 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5150.00	E	Average	35.01	7.54	42.55	54.00	-11.45
5150.00	E	Peak	50.34	7.54	57.88	74.00	-16.12

Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5190 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. Measurement Antenna Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency. Note:

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5149.12	S	Average	40.54	7.54	48.08	54.00	-5.92
5149.12	S	Peak	59.04	7.54	66.58	74.00	-7.42
5150.00	E	Average	41.11	7.54	48.65	54.00	-5.35
5150.00	E	Peak	56.57	7.54	64.11	74.00	-9.89

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Radiated Spurious Emission Measurement Result 802.11a, 5250MHz-5350MHz

Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5260 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
49.40	S	Peak	27.07	-12.95	14.12	40.00	-25.88
280.26	S	Peak	26.15	-11.52	14.63	46.00	-31.37
426.73	S	Peak	28.17	-8.98	19.19	46.00	-26.81
519.85	S	Peak	28.51	-7.42	21.09	46.00	-24.91
675.05	S	Peak	28.22	-3.84	24.38	46.00	-21.62
960.23	S	Peak	27.58	0.21	27.79	54.00	-26.21
10520.00	Н	Peak	26.50	15.56	42.06	68.30	-26.24
15780.00	Н						
21040.00	Н						
26300.00	Н						
31560.00	Н						
36820.00	Н						

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所述方列 就明 : 近根で多れ性可掬試之体の具質「同可配株の理味留切え」を指令を表立つ音曲時間 : 不可能的模型。
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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5260 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
48.43	S	Peak	27.27	-12.97	14.30	40.00	-25.70
271.53	S	Peak	26.56	-11.89	14.67	46.00	-31.33
415.09	S	Peak	27.66	-8.91	18.75	46.00	-27.25
559.62	S	Peak	28.14	-6.72	21.42	46.00	-24.58
679.90	S	Peak	28.43	-3.67	24.76	46.00	-21.24
937.92	S	Peak	28.01	0.01	28.02	46.00	-17.98
10520.00	Н	Peak	25.72	15.56	41.28	68.30	-27.02
15780.00	Н						
21040.00	Н						
26300.00	Н						
31560.00	Н						
36820.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5300 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode Engineer :TX MID EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
99.84	S	Peak	32.78	-17.86	14.92	43.50	-28.58
163.86	S	Peak	28.80	-12.75	16.05	43.50	-27.45
417.03	S	Peak	27.88	-8.92	18.96	46.00	-27.04
484.93	S	Peak	28.80	-7.72	21.08	46.00	-24.92
674.08	S	Peak	27.56	-3.87	23.69	46.00	-22.31
962.17	S	Peak	27.60	0.20	27.80	54.00	-26.20
10600.00	Н	Average	21.83	15.83	37.66	54.00	-16.34
10600.00	Н	Peak	26.81	15.83	42.64	74.00	-31.36
15900.00	Н						
21200.00	Н						
26500.00	Н						
31800.00	Н						
37100.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5300 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
48.43	S	Peak	27.04	-12.97	14.07	40.00	-25.93
154.16	S	Peak	27.17	-12.73	14.44	43.50	-29.06
415.09	S	Peak	28.26	-8.91	19.35	46.00	-26.65
518.88	S	Peak	28.25	-7.44	20.81	46.00	-25.19
667.29	S	Peak	28.89	-4.10	24.79	46.00	-21.21
946.65	S	Peak	27.27	0.14	27.41	46.00	-18.59
10600.00	Н	Average	21.55	15.83	37.38	54.00	-16.62
10600.00	Н	Peak	25.40	15.83	41.23	74.00	-32.77
15900.00	Н						
21200.00	Н						
26500.00	Н						
31800.00	Н						
37100.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5320 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
99.84	S	Peak	33.85	-17.86	15.99	43.50	-27.51
272.50	S	Peak	26.77	-11.85	14.92	46.00	-31.08
439.34	S	Peak	28.40	-8.83	19.57	46.00	-26.43
556.71	S	Peak	28.49	-6.91	21.58	46.00	-24.42
683.78	S	Peak	27.46	-3.67	23.79	46.00	-22.21
980.60	S	Peak	27.42	0.01	27.43	54.00	-26.57
10640.00	Н	Average	21.65	15.84	37.49	54.00	-16.51
10640.00	Н	Peak	26.20	15.84	42.04	74.00	-31.96
15960.00	Н						
21280.00	Н						
26600.00	Н						
31920.00	Н						
37240.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5320 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
41.64	S	Peak	27.81	-13.32	14.49	40.00	-25.51
247.28	S	Peak	28.31	-13.04	15.27	46.00	-30.73
444.19	S	Peak	27.74	-8.64	19.10	46.00	-26.90
549.92	S	Peak	28.26	-7.38	20.88	46.00	-25.12
677.96	S	Peak	28.19	-3.73	24.46	46.00	-21.54
938.89	S	Peak	27.78	0.03	27.81	46.00	-18.19
10640.00	Н	Average	21.54	15.84	37.38	54.00	-16.62
10640.00	Н	Peak	25.78	15.84	41.62	74.00	-32.38
15960.00	Н						
21280.00	Н						
26600.00	Н						
31920.00	Н						
37240.00	Н						

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:HORIZONTAL

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Operation Band :802.11 a Test Date :2014-03-18

Fundamental Frequency :5320 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer :Curry
EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Leve	el	FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5350.00	E	Average	37.41	7.79	45.20	54.00	-8.80
5350.00	E	Peak	59.88	7.79	67.67	74.00	-6.33
Fundamental Frequency :5320		:802.11 a :5320 MHz :Band Edge I		Test Date Temp./Humi. Engineer		:2014-03-18 :20.1 deg_C /: :Curry	52 RH

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

EUT Pol.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Measurement Antenna Pol.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{dB}\mu\mathrm{V}$	dB	dBμV/m	dBμV/m	dB
5350.00	E	Average	41.33	7.79	49.12	54.00	-4.88
5350.00	E	Peak	65.11	7.79	72.90	74.00	-1.10

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Radiated Spurious Emission Measurement Result 802.11n HT20, 5250~5350 MHz

Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5260 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
42.61	S	Peak	28.65	-13.25	15.40	40.00	-24.60
277.35	S	Peak	26.56	-11.64	14.92	46.00	-31.08
444.19	S	Peak	27.01	-8.64	18.37	46.00	-27.63
519.85	S	Peak	29.85	-7.42	22.43	46.00	-23.57
672.14	S	Peak	28.11	-3.95	24.16	46.00	-21.84
947.62	S	Peak	28.06	0.16	28.22	46.00	-17.78
10520.00	Н	Peak	26.04	15.56	41.60	68.30	-26.70
15780.00	Н						
21040.00	Н						
26300.00	Н						
31560.00	Н						
36820.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5260 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
60.07	S	Peak	28.00	-13.58	14.42	40.00	-25.58
267.65	S	Peak	27.02	-12.10	14.92	46.00	-31.08
450.01	S	Peak	27.49	-8.42	19.07	46.00	-26.93
516.94	S	Peak	28.80	-7.43	21.37	46.00	-24.63
675.05	S	Peak	28.19	-3.84	24.35	46.00	-21.65
908.82	S	Peak	27.71	-0.54	27.17	46.00	-18.83
10520.00	Н	Peak	27.16	15.56	42.72	68.30	-25.58
15780.00	Н						
21040.00	Н						
26300.00	Н						
31560.00	Н						
36820.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5300 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode Engineer :TX MID EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBµV/m	dBμV/m	dB
89.17	S	Peak	33.07	-18.86	14.21	43.50	-29.29
272.50	S	Peak	27.11	-11.85	15.26	46.00	-30.74
432.55	S	Peak	27.80	-8.96	18.84	46.00	-27.16
511.12	S	Peak	28.05	-7.44	20.61	46.00	-25.39
694.45	S	Peak	27.77	-3.86	23.91	46.00	-22.09
937.92	S	Peak	27.80	0.01	27.81	46.00	-18.19
10600.00	Н	Average	21.85	15.83	37.68	54.00	-16.32
10600.00	Н	Peak	26.86	15.83	42.69	74.00	-31.31
15900.00	Н						
21200.00	Н						
26500.00	Н						
31800.00	Н						
37100.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

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:HORIZONTAL

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5300 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX MID Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{dB}\mu\mathrm{V}$	dB	$dB\mu V/m$	dBμV/m	dB
49.40	S	Peak	27.14	-12.95	14.19	40.00	-25.81
274.44	S	Peak	26.78	-11.76	15.02	46.00	-30.98
412.18	S	Peak	28.01	-8.90	19.11	46.00	-26.89
559.62	S	Peak	29.47	-6.72	22.75	46.00	-23.25
692.51	S	Peak	28.02	-3.79	24.23	46.00	-21.77
942.77	S	Peak	27.73	0.08	27.81	46.00	-18.19
10600.00	Н	Average	21.74	15.83	37.57	54.00	-16.43
10600.00	Н	Peak	25.57	15.83	41.40	74.00	-32.60
15900.00	Н						
21200.00	Н						
26500.00	Н						
31800.00	Н						
37100.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5320 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
40.67	S	Peak	28.43	-13.39	15.04	40.00	-24.96
168.71	S	Peak	27.54	-12.90	14.64	43.50	-28.86
436.43	S	Peak	27.87	-8.89	18.98	46.00	-27.02
556.71	S	Peak	27.95	-6.91	21.04	46.00	-24.96
684.75	S	Peak	28.92	-3.67	25.25	46.00	-20.75
949.56	S	Peak	27.79	0.18	27.97	46.00	-18.03
10640.00	Н	Average	21.77	15.84	37.61	54.00	-16.39
10640.00	Н	Peak	25.77	15.84	41.61	74.00	-32.39
15960.00	Н						
21280.00	Н						
26600.00	Н						
31920.00	Н						
37240.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

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:HORIZONTAL

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5320 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX HIGH Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
35.82	S	Peak	28.78	-13.71	15.07	40.00	-24.93
272.50	S	Peak	27.27	-11.85	15.42	46.00	-30.58
428.67	S	Peak	27.99	-8.99	19.00	46.00	-27.00
547.98	S	Peak	27.79	-7.43	20.36	46.00	-25.64
686.69	S	Peak	28.04	-3.69	24.35	46.00	-21.65
960.23	S	Peak	27.19	0.21	27.40	54.00	-26.60
10640.00	Н	Average	21.48	15.84	37.32	54.00	-16.68
10640.00	Н	Peak	26.39	15.84	42.23	74.00	-31.77
15960.00	Н						
21280.00	Н						
26600.00	Н						
31920.00	Н						
37240.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5320 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5350.00	E	Average	34.39	7.79	42.18	54.00	-11.82
5350.00	E	Peak	54.60	7.79	62.39	74.00	-11.61
Operation Ban Fundamental F		:802.11 n20M :5320 MHz		t Date np./Humi.		:2014-03-18 :20.1 deg_C /	52 RH

Operation Mode :Band Edge HIGH Engineer :Curry

EUT Pol. Measurement Antenna Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency. Note:

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5350.00	E	Average	36.98	7.79	44.77	54.00	-9.23
5350.00	E	Peak	58.69	7.79	66.48	74.00	-7.52

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Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5270 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
42.61	S	Peak	29.65	-13.25	16.40	40.00	-23.60
160.95	S	Peak	28.31	-12.66	15.65	43.50	-27.85
444.19	S	Peak	26.01	-8.64	17.37	46.00	-28.63
519.85	S	Peak	30.85	-7.42	23.43	46.00	-22.57
672.14	S	Peak	29.11	-3.95	25.16	46.00	-20.84
947.62	S	Peak	27.06	0.16	27.22	46.00	-18.78
10540.00	Н	Peak	26.64	15.47	42.11	68.30	-26.19
15810.00	Н						
21080.00	Н						
26350.00	Н						
31620.00	Н						
36890.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

:HORIZONTAL

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5270 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX LOW Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
60.07	S	Peak	29.00	-13.58	15.42	40.00	-24.58
267.65	S	Peak	28.02	-12.10	15.92	46.00	-30.08
450.01	S	Peak	26.49	-8.42	18.07	46.00	-27.93
516.94	S	Peak	29.80	-7.43	22.37	46.00	-23.63
675.05	S	Peak	29.19	-3.84	25.35	46.00	-20.65
908.82	S	Peak	26.71	-0.54	26.17	46.00	-19.83
10540.00	Н	Peak	25.99	15.47	41.46	68.30	-26.84
15810.00	Н						
21080.00	Н						
26350.00	Н						
31620.00	Н						
36890.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5310 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
40.67	S	Peak	29.43	-13.39	16.04	40.00	-23.96
168.71	S	Peak	28.54	-12.90	15.64	43.50	-27.86
436.43	S	Peak	26.87	-8.89	17.98	46.00	-28.02
556.71	S	Peak	28.95	-6.91	22.04	46.00	-23.96
684.75	S	Peak	29.92	-3.67	26.25	46.00	-19.75
949.56	S	Peak	26.79	0.18	26.97	46.00	-19.03
10620.00	Н	Average	21.38	15.84	37.22	54.00	-16.78
10620.00	Н	Peak	25.97	15.84	41.81	74.00	-32.19
15930.00	Н						
21240.00	Н						
26550.00	Н						
31860.00	Н						
37170.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

:HORIZONTAL

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5310 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX HIGH Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
35.82	S	Peak	29.78	-13.71	16.07	40.00	-23.93
262.80	S	Peak	28.11	-12.39	15.72	46.00	-30.28
428.67	S	Peak	26.99	-8.99	18.00	46.00	-28.00
547.98	S	Peak	28.79	-7.43	21.36	46.00	-24.64
686.69	S	Peak	29.04	-3.69	25.35	46.00	-20.65
960.23	S	Peak	26.19	0.21	26.40	54.00	-27.60
10620.00	Н	Average	21.74	15.84	37.58	54.00	-16.42
10620.00	Н	Peak	25.74	15.84	41.58	74.00	-32.42
15930.00	Н						
21240.00	Н						
26550.00	Н						
31860.00	Н						
37170.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5310 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer :Curry
EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5350.00	E	Average	36.23	7.79	44.02	54.00	-9.98
5350.00	E	Peak	56.64	7.79	64.43	74.00	-9.57
5351.48	S	Average	36.09	7.78	43.87	54.00	-10.13
5351.48	S	Peak	59.34	7.78	67.12	74.00	-6.88

Operation Band :802.11 n40M Test Date :2014-03-18 Fundamental Frequency :5310 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer :Curry

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor($dB\mu V/m$) + Cable Loss(dB) - Pre Amplifier Gain(dB)

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5350.00	E	Average	40.88	7.79	48.67	54.00	-5.33
5350.00	E	Peak	65.14	7.79	72.93	74.00	-1.07

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Radiated Spurious Emission Measurement Result 802.11a, 5470~5725 MHz

Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
99.84	S	Peak	32.32	-17.86	14.46	43.50	-29.04
270.56	S	Peak	26.64	-11.93	14.71	46.00	-31.29
424.79	S	Peak	28.17	-8.96	19.21	46.00	-26.79
511.12	S	Peak	29.05	-7.44	21.61	46.00	-24.39
676.99	S	Peak	27.62	-3.78	23.84	46.00	-22.16
949.56	S	Peak	28.30	0.18	28.48	46.00	-17.52
11000.00	Н	Average	21.58	16.70	38.28	54.00	-15.72
11000.00	Н	Peak	25.95	16.70	42.65	74.00	-31.35
16500.00	Н						
22000.00	Н						
27500.00	Н						
33000.00	Н						
38500.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
52.31	S	Peak	27.19	-13.09	14.10	40.00	-25.90
158.04	S	Peak	27.36	-12.66	14.70	43.50	-28.80
450.01	S	Peak	27.53	-8.42	19.11	46.00	-26.89
557.68	S	Peak	28.51	-6.84	21.67	46.00	-24.33
662.44	S	Peak	28.25	-4.25	24.00	46.00	-22.00
964.11	S	Peak	28.06	0.20	28.26	54.00	-25.74
11000.00	Н	Average	21.58	16.70	38.28	54.00	-15.72
11000.00	Н	Peak	25.76	16.70	42.46	74.00	-31.54
16500.00	Н						
22000.00	Н						
27500.00	Н						
33000.00	Н						
38500.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5580 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
34.85	S	Peak	28.24	-13.77	14.47	40.00	-25.53
160.95	S	Peak	27.39	-12.66	14.73	43.50	-28.77
427.70	S	Peak	27.72	-8.98	18.74	46.00	-27.26
507.24	S	Peak	28.25	-7.46	20.79	46.00	-25.21
687.66	S	Peak	27.80	-3.69	24.11	46.00	-21.89
955.38	S	Peak	27.07	0.19	27.26	46.00	-18.74
11160.00	Н	Average	21.65	16.97	38.62	54.00	-15.38
11160.00	Н	Peak	25.58	16.97	42.55	74.00	-31.45
16740.00	Н						
22320.00	Н						
27900.00	Н						
33480.00	Н						
39060.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5580 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
43.58	S	Peak	26.88	-13.17	13.71	40.00	-26.29
159.98	S	Peak	27.61	-12.63	14.98	43.50	-28.52
401.51	S	Peak	27.67	-9.12	18.55	46.00	-27.45
520.82	S	Peak	29.01	-7.44	21.57	46.00	-24.43
689.60	S	Peak	28.52	-3.70	24.82	46.00	-21.18
926.28	S	Peak	27.57	-0.18	27.39	46.00	-18.61
11160.00	Н	Average	21.88	16.97	38.85	54.00	-15.15
11160.00	Н	Peak	25.88	16.97	42.85	74.00	-31.15
16740.00	Н						
22320.00	Н						
27900.00	Н						
33480.00	Н						
39060.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5700 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
41.64	S	Peak	28.43	-13.32	15.11	40.00	-24.89
172.59	S	Peak	27.93	-13.17	14.76	43.50	-28.74
429.64	S	Peak	28.78	-8.99	19.79	46.00	-26.21
515.97	S	Peak	28.73	-7.44	21.29	46.00	-24.71
668.26	S	Peak	28.61	-4.08	24.53	46.00	-21.47
959.26	S	Peak	28.01	0.21	28.22	46.00	-17.78
11400.00	Н	Average	22.03	17.51	39.54	54.00	-14.46
11400.00	Н	Peak	26.65	17.51	44.16	74.00	-29.84
17100.00	Н						
22800.00	Н						
28500.00	Н						
34200.00	Н						
39900.00	Н						

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Operation Band :802.11 a Test Date :2014-03-19

Fundamental Frequency :5700 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
51.34	S	Peak	27.01	-13.03	13.98	40.00	-26.02
280.26	S	Peak	26.74	-11.52	15.22	46.00	-30.78
422.85	S	Peak	27.85	-8.94	18.91	46.00	-27.09
559.62	S	Peak	28.05	-6.72	21.33	46.00	-24.67
686.69	S	Peak	28.33	-3.69	24.64	46.00	-21.36
937.92	S	Peak	27.33	0.01	27.34	46.00	-18.66
11400.00	Н	Average	22.01	17.51	39.52	54.00	-14.48
11400.00	Н	Peak	25.80	17.51	43.31	74.00	-30.69
17100.00	Н						
22800.00	Н						
28500.00	Н						
34200.00	Н						
39900.00	Н						

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Operation Band :802.11 a Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry
EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5447.00	S	Average	36.54	7.87	44.41	54.00	-9.59
5447.00	S	Peak	49.55	7.87	57.42	74.00	-16.58
5460.00	E	Average	33.11	7.87	40.98	54.00	-13.02
5460.00	E	Peak	49.22	7.87	57.09	74.00	-16.91
	_		_				

Operation Band :802.11 a Test Date :2014-03-18
Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH
Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre Amplifier Gain(dB)

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5460.00	E	Average	31.99	7.87	39.86	54.00	-14.14
5460.00	E	Peak	47.66	7.87	55.53	74.00	-18.47

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Operation Band :802.11 a Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry
EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5470.00	Е	Peak	59.39	7.89	67.28	68.30	-1.02

Operation Band :802.11 a Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5470.00	Е	Peak	55.61	7.89	63.50	68.30	-4.80

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Operation Band :802.11 a Test Date :2014-03-18

Fundamental Frequency :5700 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge HIGH Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5725.00	Е	Peak	59.36	8.29	67.65	68.30	-0.65

Operation Band Test Date :802.11 a :2014-03-18

Fundamental Frequency :5700 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge HIGH Engineer

Measurement Antenna Pol. EUT Pol. :H Plane :HORIZONTAL

Actual FS($dB\mu V/m$) = SPA. Reading level($dB\mu V$) + Factor(dB)

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
5725.00	Е	Peak	50.42	8.29	58.71	68.30	-9.59

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Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
99.84	S	Peak	33.37	-17.86	15.51	43.50	-27.99
159.01	S	Peak	27.63	-12.65	14.98	43.50	-28.52
448.07	S	Peak	27.40	-8.50	18.90	46.00	-27.10
540.22	S	Peak	28.93	-7.63	21.30	46.00	-24.70
669.23	S	Peak	28.01	-4.05	23.96	46.00	-22.04
957.32	S	Peak	27.00	0.20	27.20	46.00	-18.80
11000.00	Н	Average	21.56	16.70	38.26	54.00	-15.74
11000.00	Н	Peak	25.67	16.70	42.37	74.00	-31.63
16500.00	Н						
22000.00	Н						
27500.00	Н						
33000.00	Н						
38500.00	Н						

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EUT Pol.

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:HORIZONTAL

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX LOW Engineer

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
44.55	S	Peak	27.90	-13.11	14.79	40.00	-25.21
277.35	S	Peak	26.64	-11.64	15.00	46.00	-31.00
426.73	S	Peak	28.02	-8.98	19.04	46.00	-26.96
557.68	S	Peak	28.07	-6.84	21.23	46.00	-24.77
682.81	S	Peak	28.00	-3.67	24.33	46.00	-21.67
930.16	S	Peak	27.91	-0.13	27.78	46.00	-18.22
11000.00	Н	Average	21.64	16.70	38.34	54.00	-15.66
11000.00	Н	Peak	26.66	16.70	43.36	74.00	-30.64
16500.00	Н						
22000.00	Н						
27500.00	Н						
33000.00	Н						
38500.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5580 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} \mathrm{B} \mu \mathrm{V}$	dB	$dB\mu V/m$	dBμV/m	dB
89.17	S	Peak	33.99	-18.86	15.13	43.50	-28.37
250.19	S	Peak	27.73	-12.96	14.77	46.00	-31.23
447.10	S	Peak	27.72	-8.53	19.19	46.00	-26.81
556.71	S	Peak	28.31	-6.91	21.40	46.00	-24.60
690.57	S	Peak	28.23	-3.72	24.51	46.00	-21.49
965.08	S	Peak	28.04	0.19	28.23	54.00	-25.77
11160.00	Н	Average	21.78	16.97	38.75	54.00	-15.25
11160.00	Н	Peak	25.54	16.97	42.51	74.00	-31.49
16740.00	Н						
22320.00	Н						
27900.00	Н						
33480.00	Н						
39060.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5580 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
39.70	S	Peak	27.96	-13.45	14.51	40.00	-25.49
278.32	S	Peak	26.83	-11.60	15.23	46.00	-30.77
428.67	S	Peak	27.40	-8.99	18.41	46.00	-27.59
546.04	S	Peak	28.36	-7.48	20.88	46.00	-25.12
690.57	S	Peak	28.21	-3.72	24.49	46.00	-21.51
927.25	S	Peak	28.76	-0.17	28.59	46.00	-17.41
11160.00	Н	Average	21.55	16.97	38.52	54.00	-15.48
11160.00	Н	Peak	25.78	16.97	42.75	74.00	-31.25
16740.00	Н						
22320.00	Н						
27900.00	Н						
33480.00	Н						
39060.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5700 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
99.84	S	Peak	32.52	-17.86	14.66	43.50	-28.84
264.74	S	Peak	26.94	-12.27	14.67	46.00	-31.33
449.04	S	Peak	26.99	-8.45	18.54	46.00	-27.46
553.80	S	Peak	28.54	-7.12	21.42	46.00	-24.58
676.02	S	Peak	27.71	-3.81	23.90	46.00	-22.10
957.32	S	Peak	27.68	0.20	27.88	46.00	-18.12
11400.00	Н	Average	22.12	17.51	39.63	54.00	-14.37
11400.00	Н	Peak	26.11	17.51	43.62	74.00	-30.38
17100.00	Н						
22800.00	Н						
28500.00	Н						
34200.00	Н						
39900.00	Н						

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EUT Pol.

FCC ID: PY7PM-0732

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:HORIZONTAL

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Operation Band :802.11 n20M Test Date :2014-03-19

Fundamental Frequency :5700 MHz Temp./Humi. :22.1 deg_C / 68 RH

Measurement Antenna Pol.

Operation Mode :TX HIGH Engineer :Allen

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

:H Plane

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
44.55	S	Peak	27.18	-13.11	14.07	40.00	-25.93
276.38	S	Peak	27.02	-11.68	15.34	46.00	-30.66
443.22	S	Peak	28.30	-8.69	19.61	46.00	-26.39
554.77	S	Peak	27.89	-7.05	20.84	46.00	-25.16
684.75	S	Peak	28.23	-3.67	24.56	46.00	-21.44
927.25	S	Peak	27.80	-0.17	27.63	46.00	-18.37
11400.00	Н	Average	22.09	17.51	39.60	54.00	-14.40
11400.00	Н	Peak	25.97	17.51	43.48	74.00	-30.52
17100.00	Н						
22800.00	Н						
28500.00	Н						
34200.00	Н						
39900.00	Н						

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Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5460.00	E	Average	30.46	7.87	38.33	54.00	-15.67
5460.00	E	Peak	46.67	7.87	54.54	74.00	-19.46
Operation Band		:802.11 n20M	I Tes	t Date		:2014-03-18	

Fundamental Frequency Temp./Humi. :5500 MHz :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. Measurement Antenna Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency. Note:

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5460.00	E	Average	30.37	7.87	38.24	54.00	-15.76
5460.00	Е	Peak	44.13	7.87	52.00	74.00	-22.00

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Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5470.00	Е	Peak	51.91	7.89	59.80	68.30	-8.50

Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5500 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge LOW Engineer

Measurement Antenna Pol. EUT Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5470.00	Е	Peak	47.79	7.89	55.68	68.30	-12.62

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Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5700 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge HIGH Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5725.00	Е	Peak	58.99	8.29	67.28	68.30	-1.02

Operation Band :802.11 n20M Test Date :2014-03-18

Fundamental Frequency :5700 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge HIGH Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBµV/m	dBμV/m	dB
5725.00	Е	Peak	49.55	8.29	57.84	68.30	-10.46

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Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5510 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	$dB\mu V/m$	dBμV/m	dB
99.84	S	Peak	34.37	-17.86	16.51	43.50	-26.99
159.01	S	Peak	28.63	-12.65	15.98	43.50	-27.52
448.07	S	Peak	26.40	-8.50	17.90	46.00	-28.10
540.22	S	Peak	29.93	-7.63	22.30	46.00	-23.70
669.23	S	Peak	29.01	-4.05	24.96	46.00	-21.04
742.95	S	Peak	29.67	-3.00	26.67	46.00	-19.33
11020.00	Н	Average	21.48	16.71	38.19	54.00	-15.81
11020.00	Н	Peak	25.26	16.71	41.97	74.00	-32.03
16530.00	Н						
22040.00	Н						
27550.00	Н						
33060.00	Н						
38570.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5510 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX LOW Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
44.55	S	Peak	28.90	-13.11	15.79	40.00	-24.21
263.77	S	Peak	27.70	-12.33	15.37	46.00	-30.63
426.73	S	Peak	27.02	-8.98	18.04	46.00	-27.96
557.68	S	Peak	29.07	-6.84	22.23	46.00	-23.77
682.81	S	Peak	29.00	-3.67	25.33	46.00	-20.67
930.16	S	Peak	26.91	-0.13	26.78	46.00	-19.22
11020.00	Н	Average	21.59	16.71	38.30	54.00	-15.70
11020.00	Н	Peak	25.56	16.71	42.27	74.00	-31.73
16530.00	Н						
22040.00	Н						
27550.00	Н						
33060.00	Н						
38570.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBµV/m	dBμV/m	dB
89.17	S	Peak	34.99	-18.86	16.13	43.50	-27.37
250.19	S	Peak	28.73	-12.96	15.77	46.00	-30.23
447.10	S	Peak	26.72	-8.53	18.19	46.00	-27.81
556.71	S	Peak	29.31	-6.91	22.40	46.00	-23.60
690.57	S	Peak	29.23	-3.72	25.51	46.00	-20.49
965.08	S	Peak	27.04	0.19	27.23	54.00	-26.77
11100.00	Н	Average	21.67	16.80	38.47	54.00	-15.53
11100.00	Н	Peak	25.11	16.80	41.91	74.00	-32.09
16650.00	Н						
22200.00	Н						
27750.00	Н						
33300.00	Н						
38850.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5500 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX MID Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
39.70	S	Peak	28.96	-13.45	15.51	40.00	-24.49
265.71	S	Peak	28.25	-12.21	16.04	46.00	-29.96
428.67	S	Peak	26.40	-8.99	17.41	46.00	-28.59
546.04	S	Peak	29.36	-7.48	21.88	46.00	-24.12
690.57	S	Peak	29.21	-3.72	25.49	46.00	-20.51
927.25	S	Peak	27.76	-0.17	27.59	46.00	-18.41
11100.00	Н	Average	21.87	16.80	38.67	54.00	-15.33
11100.00	Н	Peak	24.76	16.80	41.56	74.00	-32.44
16650.00	Н						
22200.00	Н						
27750.00	Н						
33300.00	Н						
38850.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5670 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
99.84	S	Peak	33.52	-17.86	15.66	43.50	-27.84
264.74	S	Peak	27.94	-12.27	15.67	46.00	-30.33
449.04	S	Peak	25.99	-8.45	17.54	46.00	-28.46
553.80	S	Peak	29.54	-7.12	22.42	46.00	-23.58
676.02	S	Peak	28.71	-3.81	24.90	46.00	-21.10
957.32	S	Peak	26.68	0.20	26.88	46.00	-19.12
11340.00	Н	Average	21.69	17.32	39.01	54.00	-14.99
11340.00	Н	Peak	24.76	17.32	42.08	74.00	-31.92
17010.00	Н						
22680.00	Н						
28350.00	Н						
34020.00	Н						
39690.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-19

Fundamental Frequency :5670 MHz Temp./Humi. :22.1 deg_C / 68 RH

Operation Mode :TX HIGH Engineer :Allen

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \; Factor(dB\mu V/m) + Cable \; Loss(dB) - Pre_Amplifier \; Gain(dB)$

Note: "F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
44.55	S	Peak	28.18	-13.11	15.07	40.00	-24.93
171.62	S	Peak	28.28	-13.08	15.20	43.50	-28.30
443.22	S	Peak	27.30	-8.69	18.61	46.00	-27.39
554.77	S	Peak	28.89	-7.05	21.84	46.00	-24.16
684.75	S	Peak	29.23	-3.67	25.56	46.00	-20.44
927.25	S	Peak	26.80	-0.17	26.63	46.00	-19.37
11340.00	Н	Average	22.06	17.32	39.38	54.00	-14.62
11340.00	Н	Peak	25.12	17.32	42.44	74.00	-31.56
17010.00	Н						
22680.00	Н						
28350.00	Н						
34020.00	Н						
39690.00	Н						

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Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5510 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge LOW Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5460.00	E	Average	34.64	7.87	42.51	54.00	-11.49
5460.00	E	Peak	51.12	7.87	58.99	74.00	-15.01
O P	1	002 11 4034	T	· D ·		2014 02 10	

Operation Band Test Date :802.11 n40M :2014-03-18

Fundamental Frequency :5510 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge LOW Engineer :Curry

EUT Pol. Measurement Antenna Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna Factor(dB\mu V/m) + Cable Loss(dB) - Pre_Amplifier Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency. Note:

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5460.00	E	Average	33.68	7.87	41.55	54.00	-12.45
5460.00	E	Peak	48.34	7.87	56.21	74.00	-17.79

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Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5510 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge LOW Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5470.00	E	Peak	59.10	7.89	66.99	68.30	-1.31

Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5510 MHz Temp./Humi. :20.5 deg_C /55 RH

Operation Mode :Band Edge LOW Engineer

EUT Pol. :H Plane Measurement Antenna Pol. :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5470.00) Е	Peak	56.27	7.89	64.16	68.30	-4.14

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Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5670 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer :Curry EUT Pol. :H Plane Measurement Antenna Pol. :VERTICAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

 $Factor(dB) = Antenna \ Factor(dB\mu V/m) + Cable \ Loss(dB) - Pre_Amplifier \ Gain(dB)$

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	$\mathrm{d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5725.00	E	Peak	49.66	8.29	57.95	68.30	-10.35

Operation Band :802.11 n40M Test Date :2014-03-18

Fundamental Frequency :5670 MHz Temp./Humi. :20.1 deg_C /52 RH

Operation Mode :Band Edge HIGH Engineer

Measurement Antenna Pol. EUT Pol. :H Plane :HORIZONTAL

Actual $FS(dB\mu V/m) = SPA$. Reading level $(dB\mu V) + Factor(dB)$

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

"---": denotes Noise Floor.

The trace on RE (radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	${ m d} B \mu V$	dB	dBμV/m	dBμV/m	dB
5725.00	Е	Peak	44.45	8.29	52.74	68.30	-15.56

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13. TRANSMISSION IN THE ABSENCE OF DATA

13.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

13.2 Result:

No non-compliance noted:

Refer to the theory of operation.

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14. FREQUENCY STABILITY

Standard Applicable

According to §15.407 (g) Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

14.2 **Result:**

Refer to next page for plots.

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Operation Mode	802.11 a	Test Date	2014,02,13
Temperature	:25	Test By	Cooper
Humidity	:62 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		36	5180.0000	5,179.991333	0.0087
		44	5220.0000	5,219.990616	0.0094
		48	5240.0000	5,239.989317	0.0107
		52	5260.0000	5,259.989283	0.0107
25	3.7V	60	5300.0000	5,299.989933	0.0101
		64	5320.0000	5,319.989567	0.0104
		100	5500.0000	5,499.989683	0.0103
		116	5580.0000	5,579.988683	0.0113
		140	5700.0000	5,699.988883	0.0111
		36	5180.0000	5,179.991725	0.0083
		44	5220.0000	5,219.990894	0.0091
		48	5240.0000	5,239.989423	0.0106
		52	5260.0000	5,259.989458	0.0105
60	3.5V	60	5300.0000	5,299.989478	0.0105
		64	5320.0000	5,319.989678	0.0103
		100	5500.0000	5,499.989745	0.0103
		116	5580.0000	5,579.988814	0.0112
		140	5700.0000	5,699.988781	0.0112
		36	5180.0000	5,179.991573	0.0084
		44	5220.0000	5,219.990149	0.0099
		48	5240.0000	5,239.989473	0.0105
		52	5260.0000	5,259.989527	0.0105
60	4.1V	60	5300.0000	5,299.989843	0.0102
		64	5320.0000	5,319.989579	0.0104
		100	5500.0000	5,499.989813	0.0102
		116	5580.0000	5,579.988274	0.0117
		140	5700.0000	5,699.988498	0.0115

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	1	1			
		36	5180.0000	5,179.991831	0.0082
		44	5220.0000	5,219.990157	0.0098
		48	5240.0000	5,239.989843	0.0102
		52	5260.0000	5,259.989269	0.0107
-20	3.5V	60	5300.0000	5,299.989846	0.0102
		64	5320.0000	5,319.989137	0.0109
		100	5500.0000	5,499.989527	0.0105
		116	5580.0000	5,579.988963	0.0110
		140	5700.0000	5,699.988428	0.0116
		36	5180.0000	5,179.991521	0.0085
		44	5220.0000	5,219.990678	0.0093
		48	5240.0000	5,239.989521	0.0105
		52	5260.0000	5,259.989588	0.0104
-20	4.1V	60	5300.0000	5,299.989137	0.0109
		64	5320.0000	5,319.989557	0.0104
		100	5500.0000	5,499.989791	0.0102
		116	5580.0000	5,579.988773	0.0112
		140	5700.0000	5,699.988514	0.0115

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Operation Mode	802.11n_HT20	Test Date	2014,02,13
Temperature	:25	Test By	Cooper
Humidity	:62 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
		36	5180.0000	5,179.990566	0.0094
		44	5220.0000	5,219.991350	0.0086
		48	5240.0000	5,239.989167	0.0108
		52	5260.0000	5,259.989683	0.0103
25	3.7V	60	5300.0000	5,299.989417	0.0106
		64	5320.0000	5,319.990017	0.0100
		100	5500.0000	5,499.989250	0.0108
		116	5580.0000	5,579.989133	0.0109
		140	5700.0000	5,699.988416	0.0116
		36	5180.0000	5,179.990787	0.0092
		44	5220.0000	5,219.991130	0.0089
		48	5240.0000	5,239.989547	0.0105
		52	5260.0000	5,259.989668	0.0103
60	3.5V	60	5300.0000	5,299.989579	0.0104
		64	5320.0000	5,319.990220	0.0098
		100	5500.0000	5,499.989147	0.0109
		116	5580.0000	5,579.989229	0.0108
		140	5700.0000	5,699.988436	0.0116
		36	5180.0000	5,179.990719	0.0093
		44	5220.0000	5,219.991553	0.0084
		48	5240.0000	5,239.989518	0.0105
		52	5260.0000	5,259.989669	0.0103
60	4.1V	60	5300.0000	5,299.989511	0.0105
		64	5320.0000	5,319.990197	0.0098
		100	5500.0000	5,499.989553	0.0104
		116	5580.0000	5,579.989771	0.0102
		140	5700.0000	5,699.988443	0.0116

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	1				
-20	3.5V	36	5180.0000	5,179.990671	0.0093
		44	5220.0000	5,219.991559	0.0084
		48	5240.0000	5,239.989647	0.0104
		52	5260.0000	5,259.989954	0.0100
		60	5300.0000	5,299.989753	0.0102
		64	5320.0000	5,319.990114	0.0099
		100	5500.0000	5,499.989570	0.0104
		116	5580.0000	5,579.989550	0.0104
		140	5700.0000	5,699.988678	0.0113
-20	4.1V	36	5180.0000	5,179.990590	0.0094
		44	5220.0000	5,219.991447	0.0086
		48	5240.0000	5,239.989379	0.0106
		52	5260.0000	5,259.989796	0.0102
		60	5300.0000	5,299.989579	0.0104
		64	5320.0000	5,319.990349	0.0097
		100	5500.0000	5,499.989667	0.0103
		116	5580.0000	5,579.989588	0.0104
		140	5700.0000	5,699.988412	0.0116

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Operation Mode	802.11 n_HT40	Test Date	2014,02,13
Temperature	:25	Test By	Cooper
Humidity	:62 %		

Test Temp.	Test Voltage	Channel	Measured Frequency (MHz)	Spectrum Frequency (MHz)	ΔFrequency (MHz)
25	3.7V	38	5190.0000	5,189.990767	0.0092
		46	5230.0000	5,229.990517	0.0095
		54	5270.0000	5,269.990383	0.0096
		62	5310.0000	5,309.990367	0.0096
		102	5510.0000	5,509.989433	0.0106
		110	5550.0000	5,549.988833	0.0112
		134	5670.0000	5,669.987733	0.0123
	3.5V	38	5190.0000	5,189.990898	0.0091
		46	5230.0000	5,229.990751	0.0092
		54	5270.0000	5,269.990669	0.0093
60		62	5310.0000	5,309.990579	0.0094
		102	5510.0000	5,509.989667	0.0103
		110	5550.0000	5,549.988918	0.0111
		134	5670.0000	5,669.987672	0.0123
	4.1V	38	5190.0000	5,189.990449	0.0096
		46	5230.0000	5,229.990213	0.0098
60		54	5270.0000	5,269.990112	0.0099
		62	5310.0000	5,309.990348	0.0097
		102	5510.0000	5,509.989551	0.0104
		110	5550.0000	5,549.988910	0.0111
		134	5670.0000	5,669.987667	0.0123

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-20	3.5V	38	5190.0000	5,189.990825	0.0092
		46	5230.0000	5,229.990975	0.0090
		54	5270.0000	5,269.990642	0.0094
		62	5310.0000	5,309.990112	0.0099
		102	5510.0000	5,509.989753	0.0102
		110	5550.0000	5,549.988997	0.0110
		134	5670.0000	5,669.987667	0.0123
-20	4.1V	38	5190.0000	5,189.990514	0.0095
		46	5230.0000	5,229.990441	0.0096
		54	5270.0000	5,269.990240	0.0098
		62	5310.0000	5,309.990667	0.0093
		102	5510.0000	5,509.989810	0.0102
		110	5550.0000	5,549.988223	0.0118
		134	5670.0000	5,669.987667	0.0123

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15. ANTENNA REQUIREMENT

15.1 Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

15.2 Antenna Connected Construction

The directional gains of antenna used for transmitting is -0.38dBi (5150MHz– 5250MHz), 0.10dBi (5250MHz– 5350MHz), 3.98dBi (5470MHz– 5725MHz) and the antenna connector is designed with unique type RF connector and no consideration of replacement. Please see EUT photo and antenna spec. for details.

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APPENDIX 1 MEASUREMENT PLOT OF RADIATED SPURIOUS **EMISSION**

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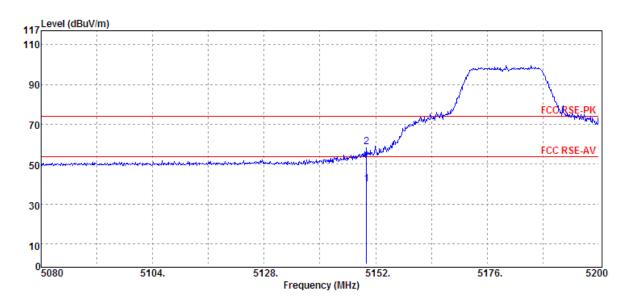
Band Edges Radiated Emission:

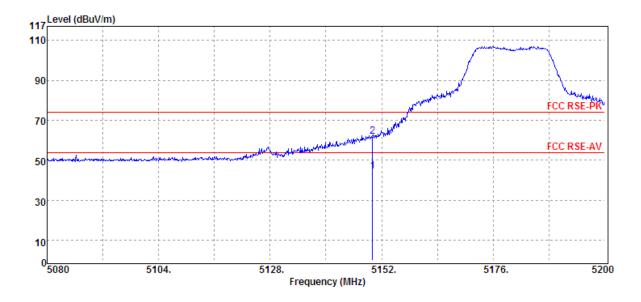
Note: The emission that surpasses the limit of peak represents the fundamental emission of the operation that does not account to be conformed to the limit of the interest.

802.11a

Operation Band :802.11a Test Date :2014-03-18 Fundamental Frequency :5180MHz Temp./Humi. :24deg_C/52RH

Operation Mode :Band edge LOW Engineer :Curry EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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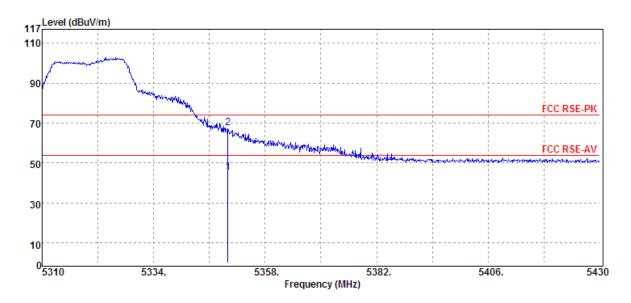
Operation Band Fundamental Frequency Operation Mode EUT Pol. :802.11a :5320MHz :Band edge HIGH

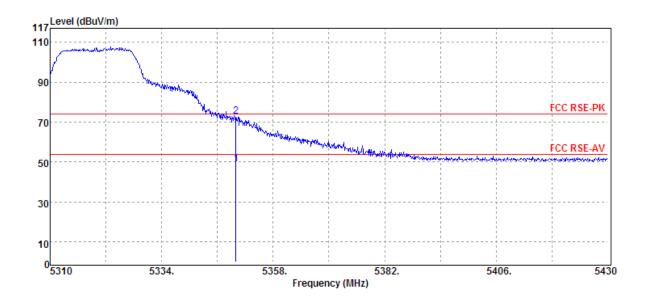
: H Plan

Test Date
Temp./Humi.
Engineer

:2014-03-18 :24deg_C/52RH

Engineer :Curry
Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode

EUT Pol.

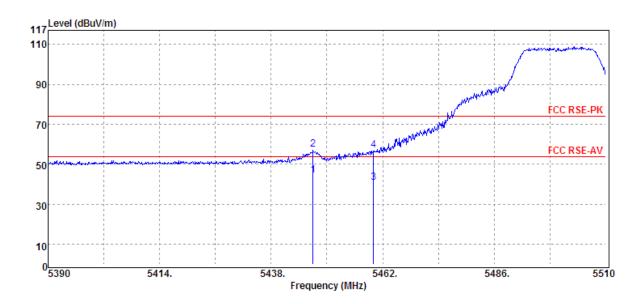
:802.11a :5500MHz Test Date Temp./Humi. Engineer

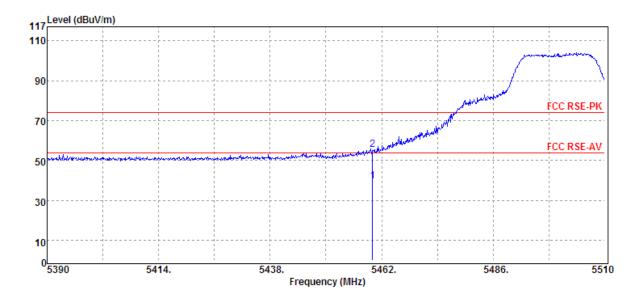
:2014-03-18 :24deg_C/52RH

:Band edge LOW : H Plan

:Curry Measurement Antenna Pol.

:Ver. / Hor.





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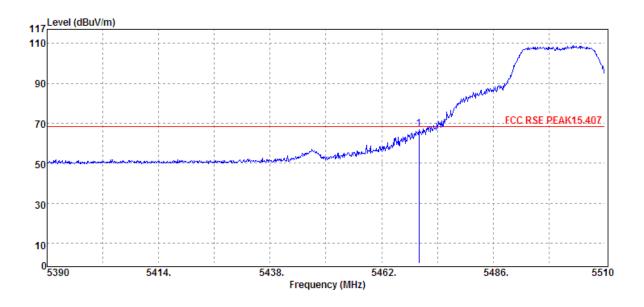
Operation Band :802.11 a Fundamental Frequency :5500 MHz Operation Mode

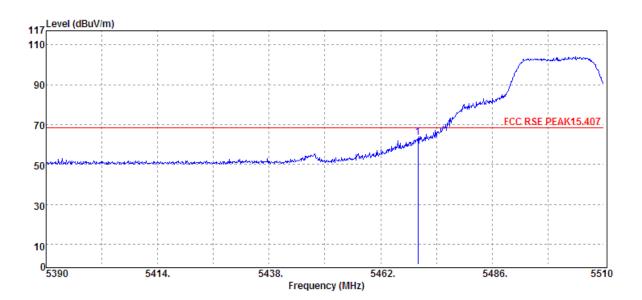
:Band edge LOW

EUT Pol. : H Plan Test Date :2014-03-18 Temp./Humi. :23deg_C/52RH

Engineer :Curry

: Ver. / Hor Measurement Antenna Pol.





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Operation Band Fundamental Frequency Operation Mode

EUT Pol.

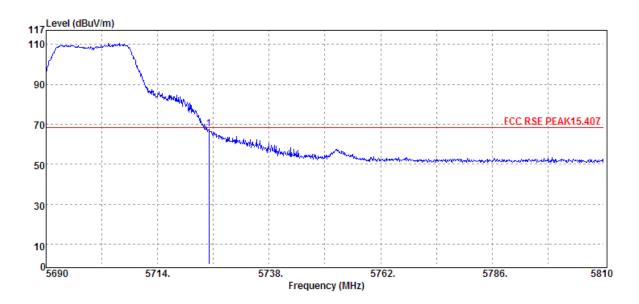
:802.11 a :5700 MHz :Band edge HIGH

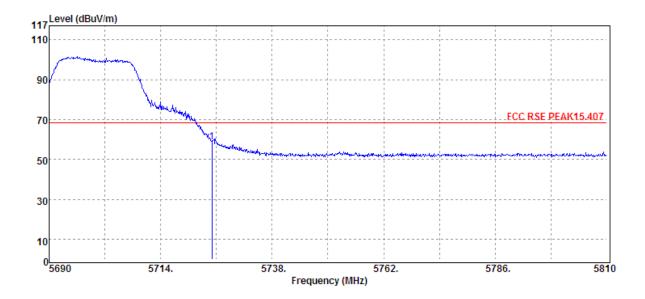
: H Plan

Test Date Temp./Humi. :2014-03-18 :23deg_C/52RH

Engineer :Curry

: Ver. / Hor. Measurement Antenna Pol.





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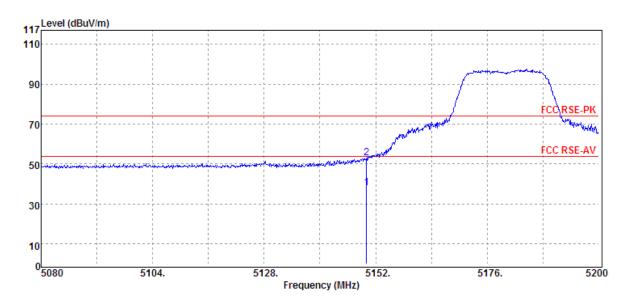
Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

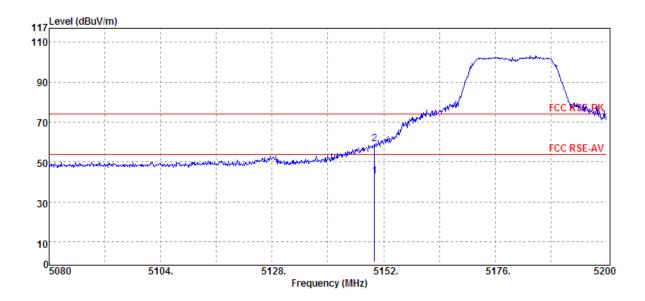
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802.11n 20M

Operation Band :802.11n20M Test Date :2014-03-18
Fundamental Frequency :5180MHz Temp./Humi. :24deg_C/52RH

Operation Mode :Band edge LOW Engineer :Curry EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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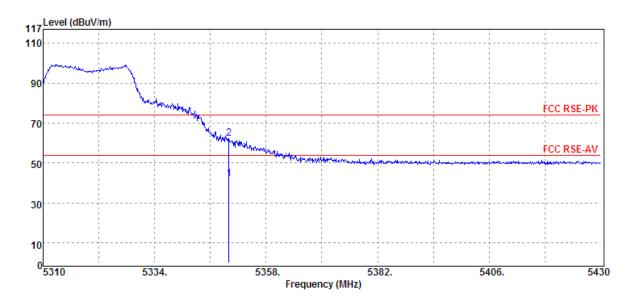


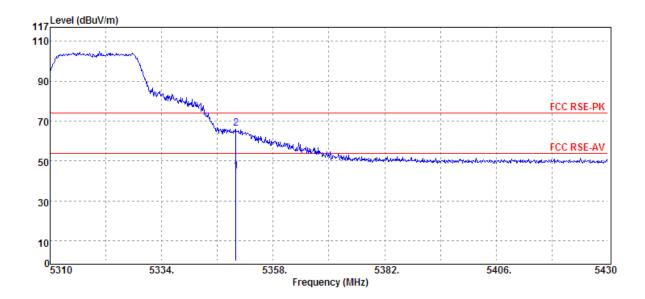
Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

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Operation Band Fundamental Frequency Operation Mode EUT Pol. :802.11n20M :5320MHz :Band edge HIGH : H Plan Test Date Temp./Humi. :2014-03-18 :24deg_C/52RH

Engineer :Curry
Measurement Antenna Pol. :Ver. / Hor.





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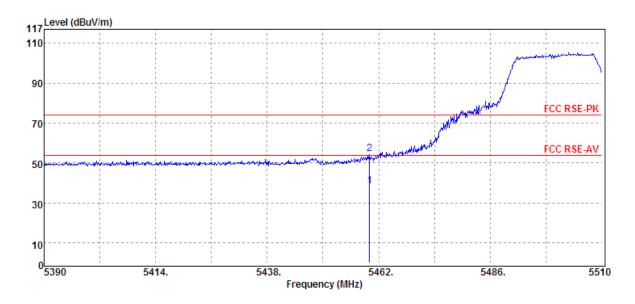
Operation Band Fundamental Frequency Operation Mode EUT Pol.

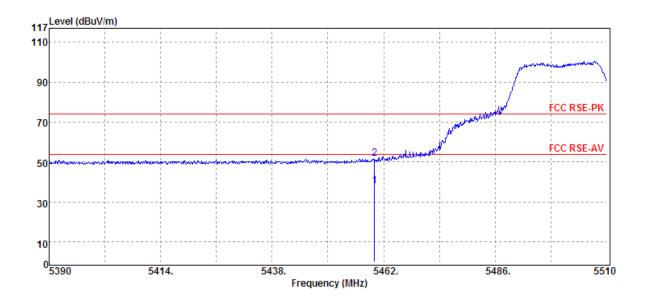
:802.11n20M :5500MHz :Band edge LOW : H Plan

Test Date Temp./Humi. Engineer

:2014-03-18 :24deg_C/52RH

:Curry Measurement Antenna Pol. :Ver. / Hor.





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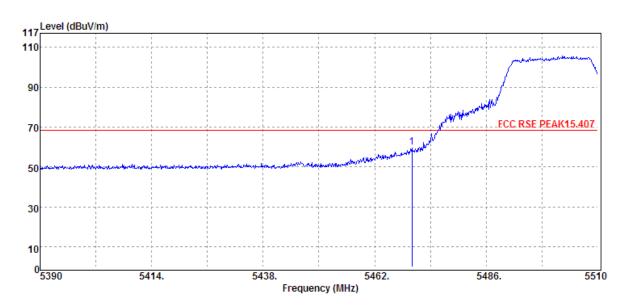


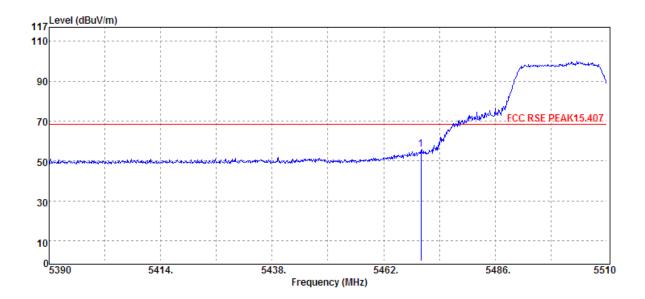
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Operation Band Fundamental Frequency Operation Mode EUT Pol. :802.11 n20M :5500 MHz :Band edge LOW : H Plan Test Date Temp./Humi. Engineer :2014-03-18 :23deg_C/52RH

Engineer :Curry
Measurement Antenna Pol. : Ver. / Hor.





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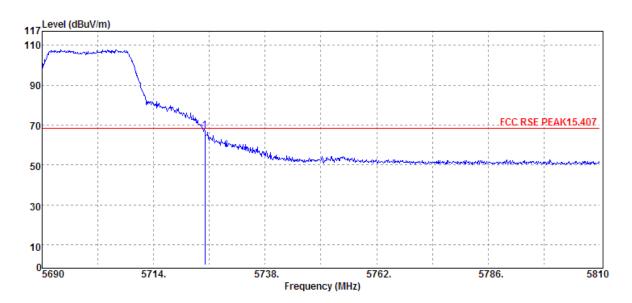
Operation Band Fundamental Frequency Operation Mode EUT Pol.

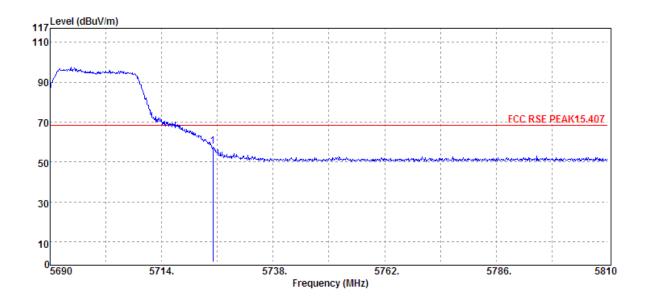
:802.11 n20M :5700 MHz :Band edge HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-18 :23deg_C/52RH

:Curry Measurement Antenna Pol. : Ver. / Hor.





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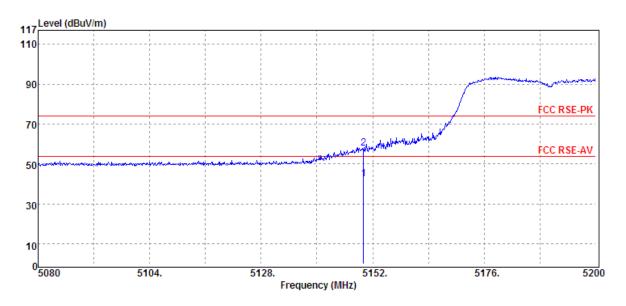
Report No.: EH/2014/10053 **Issue Date: Mar. 21, 2014**

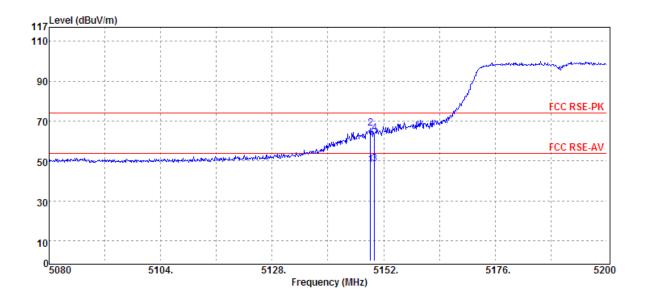
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802.11n 40M

Operation Band :802.11n40M Test Date :2014-03-18 Fundamental Frequency :5190MHz Temp./Humi. :24deg_C/52RH

Operation Mode Engineer :Band edge LOW :Curry EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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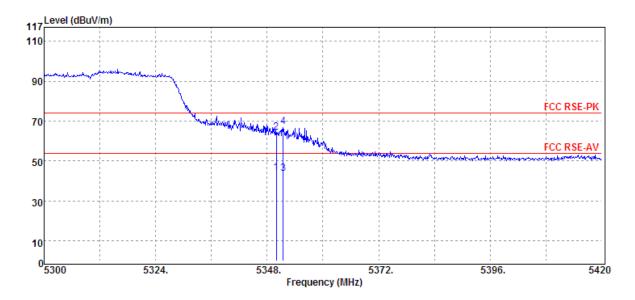
Operation Band Fundamental Frequency Operation Mode EUT Pol.

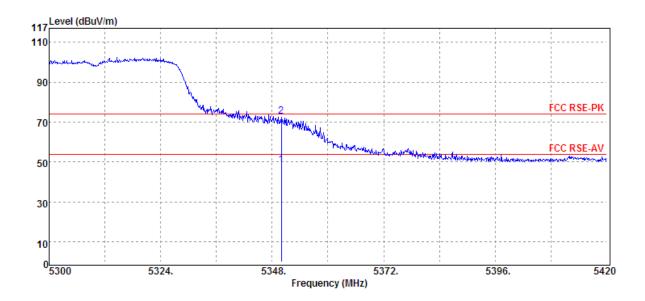
:802.11n40M :5310MHz :Band edge HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-18 :24deg_C/52RH

:Curry Measurement Antenna Pol. :Ver. / Hor.





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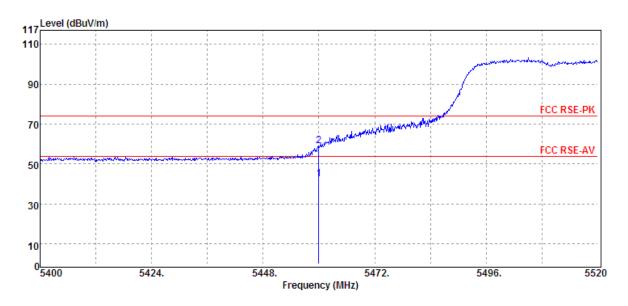
Operation Band Fundamental Frequency Operation Mode EUT Pol.

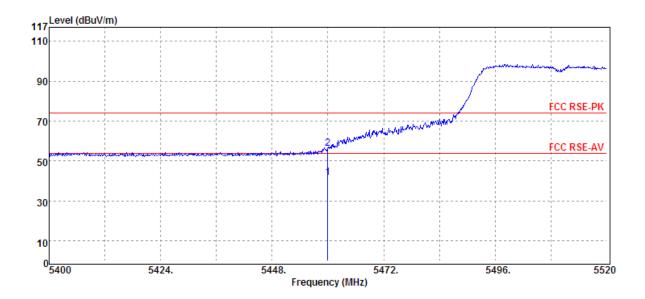
:802.11n40M :5510MHz :Band edge LOW : H Plan

Test Date Temp./Humi. Engineer

:2014-03-18 :24deg_C/52RH

:Curry Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode

:802.11 n40M :5510 MHz :Band edge LOW Test Date Temp./Humi. :2014-03-18 :23deg_C/52RH

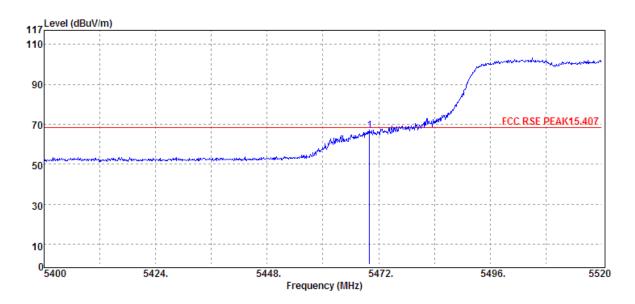
Engineer

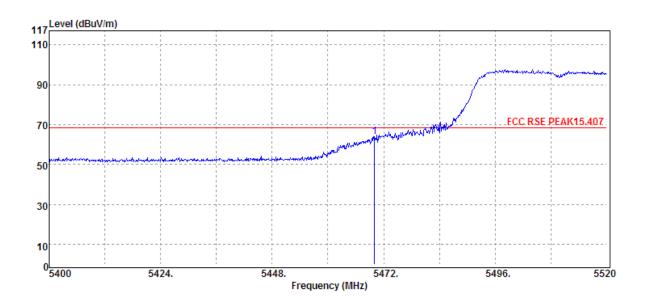
:Curry

EUT Pol. : H Plan

Measurement Antenna Pol.

: Ver. / Hor.





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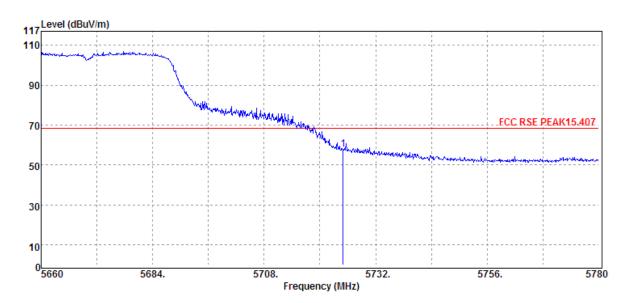


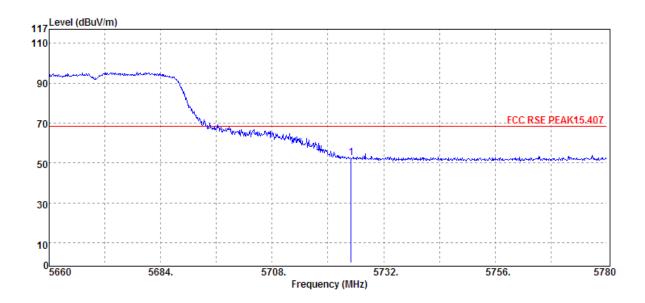
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Operation Band Fundamental Frequency Operation Mode EUT Pol. :802.11 n40M :5670 MHz :Band edge HIGH : H Plan Test Date Temp./Humi. Engineer :2014-03-18 :23deg_C/52RH

Engineer :Curry
Measurement Antenna Pol. : Ver. / Hor.





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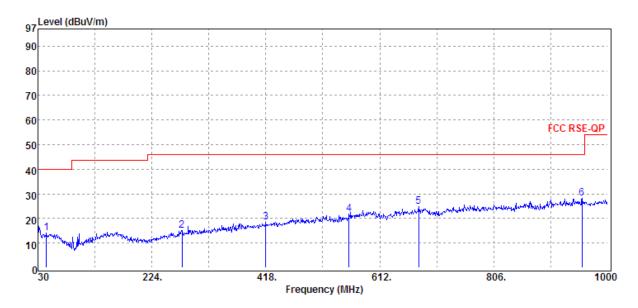
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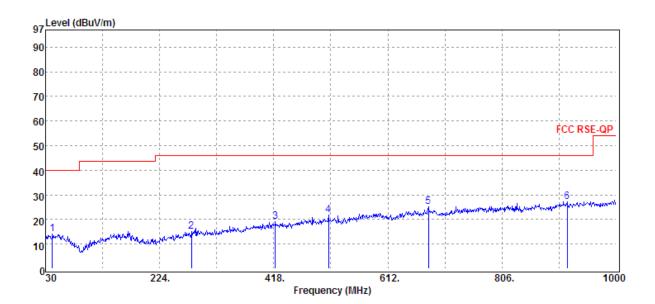
Radiated Spurious Emission Measurement photos Result (below 1GHz)

802.11a 5150-5250MHz

Operation Band :802.11 a Test Date :2014-03-19 Fundamental Frequency :5180 MHz Temp./Humi. :23deg C/52RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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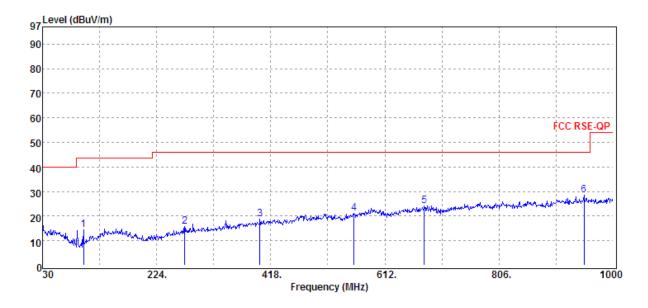


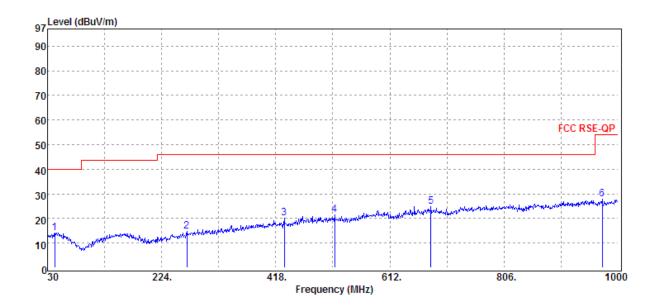
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Operation Band :802.11 a Test Date :2014-03-19 Fundamental Frequency Temp./Humi. :5220 MHz :23deg_C/52RH

Operation Mode Engineer :TX MID :Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode

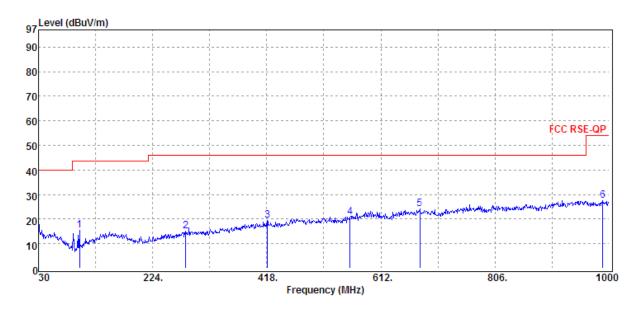
EUT Pol.

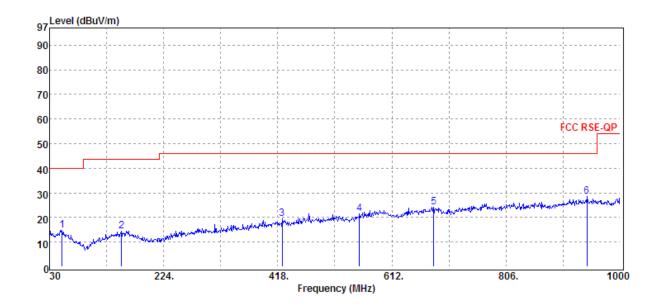
:802.11 a :5240 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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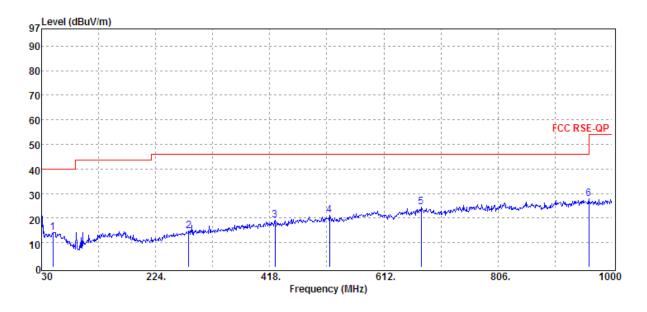
Report No.: EH/2014/10053 **Issue Date: Mar. 21, 2014**

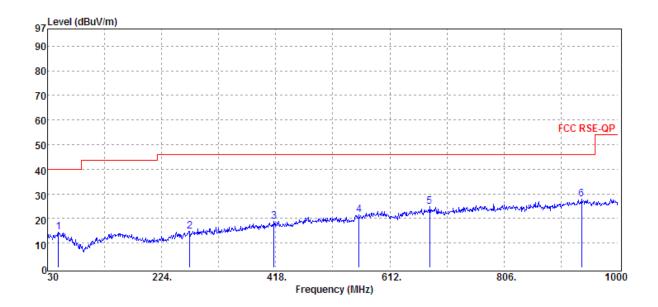
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802.11a 5250-5350MHz

Operation Band :802.11 a Test Date :2014-03-19 Fundamental Frequency :5260 MHz Temp./Humi. :23deg_C/52RH Operation Mode :TX LOW Engineer

:Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode

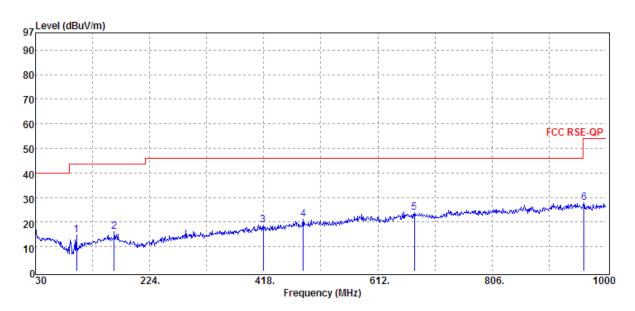
EUT Pol.

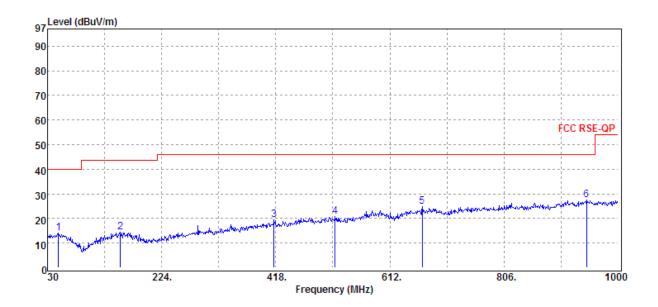
:802.11 a :5300 MHz :TX MID : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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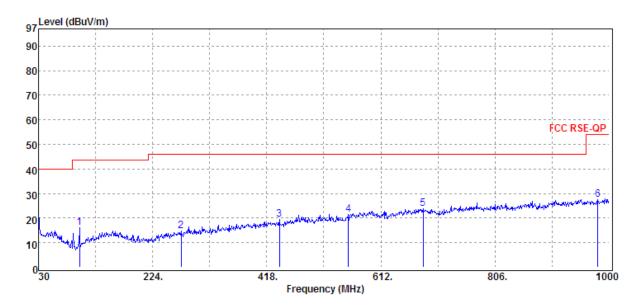
Operation Band Fundamental Frequency Operation Mode EUT Pol.

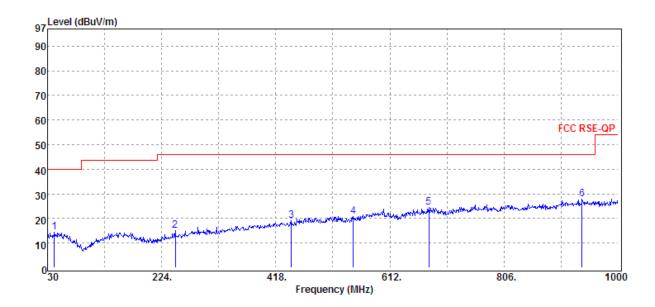
:802.11 a :5320 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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:Ver. / Hor.

1000

806.

802.11a 5470-5725MHz

EUT Pol.

30 20

Operation Band :802.11 a Test Date :2014-03-19
Fundamental Frequency :5500 MHz Temp./Humi. :23deg_C/52RH
Operation Mode :TX LOW Engineer :Allen

: H Plan

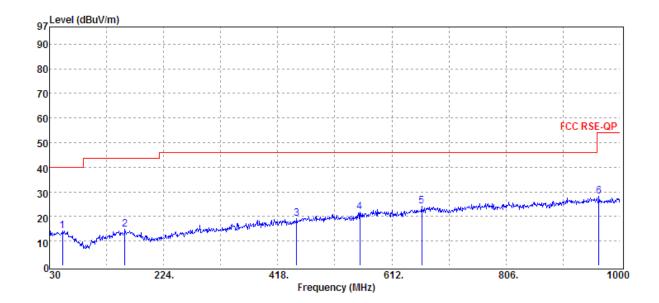
224.

97 Level (dBuV/m)
90
80
70
60
FCC RSE-QP

Frequency (MHz)

Measurement Antenna Pol.

612.



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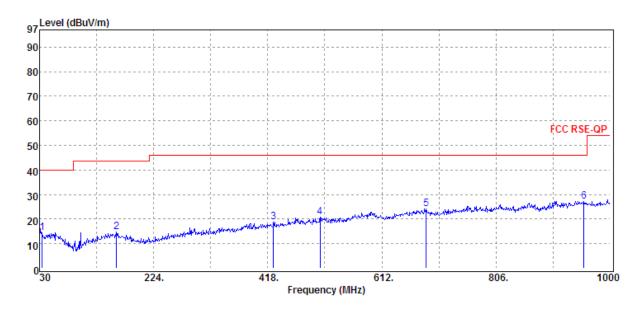
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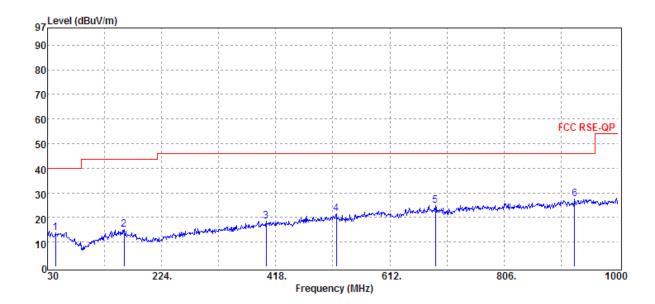
:802.11 a :5580 MHz :TX MID : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode

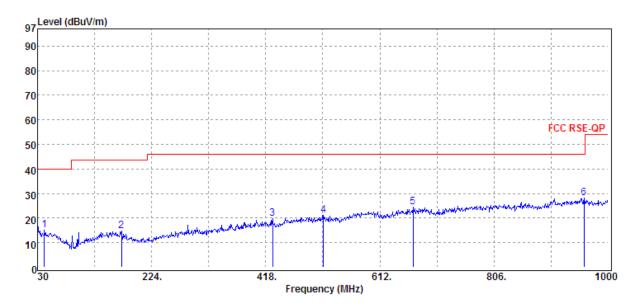
EUT Pol.

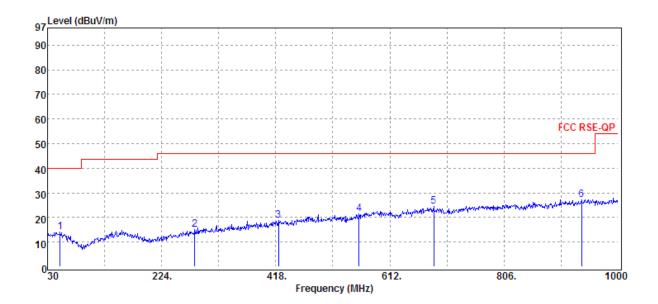
:802.11 a :5700 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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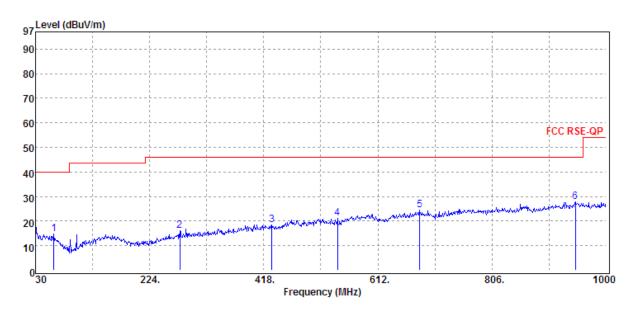
Report No.: EH/2014/10053 **Issue Date: Mar. 21, 2014**

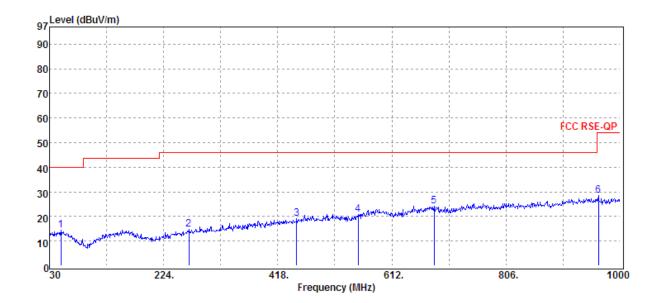
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802.11n 20M 5150-5250MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5180 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen Measurement Antenna Pol. EUT Pol. : H Plan :Ver. / Hor.





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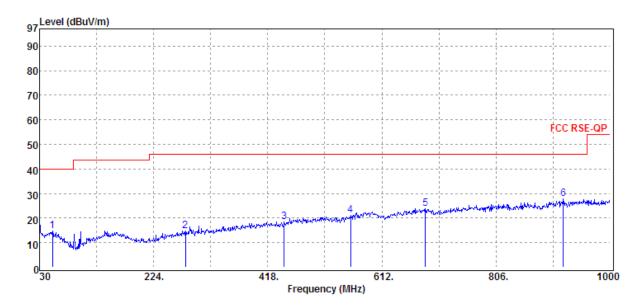
Operation Band Fundamental Frequency Operation Mode EUT Pol.

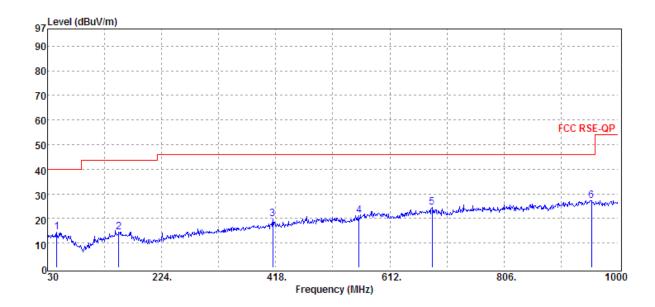
:802.11n20M :5220 MHz :TX MID : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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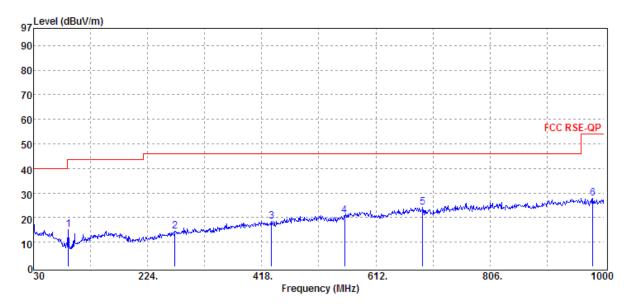
Operation Band Fundamental Frequency Operation Mode EUT Pol.

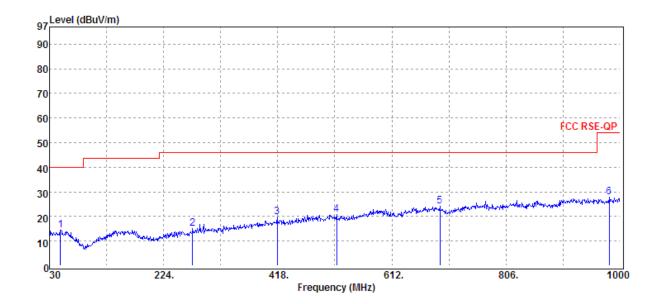
:802.11n20M :5240 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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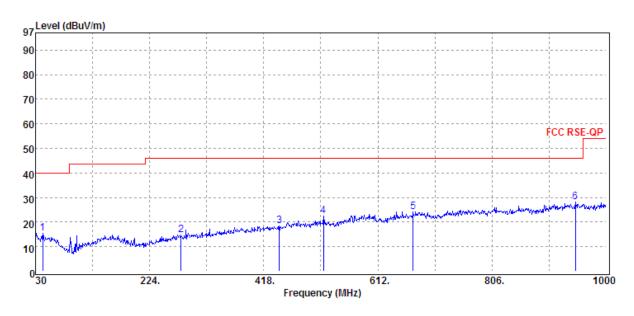
Report No.: EH/2014/10053 **Issue Date: Mar. 21, 2014**

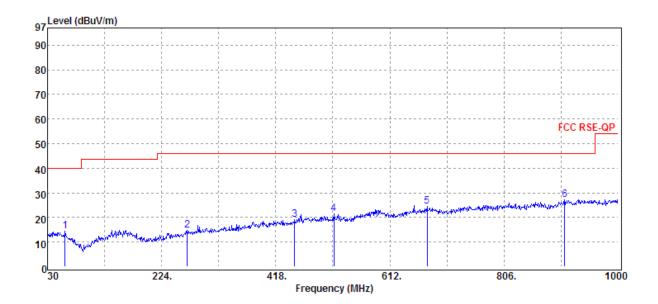
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802.11n 20M 5250-5350MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5260 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen Measurement Antenna Pol. EUT Pol. : H Plan :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode EUT Pol.

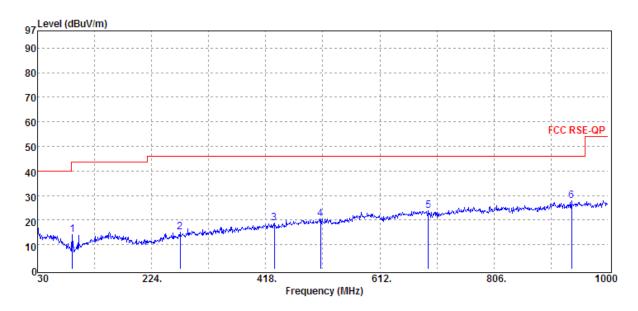
:802.11n20M :5300 MHz :TX MID : H Plan

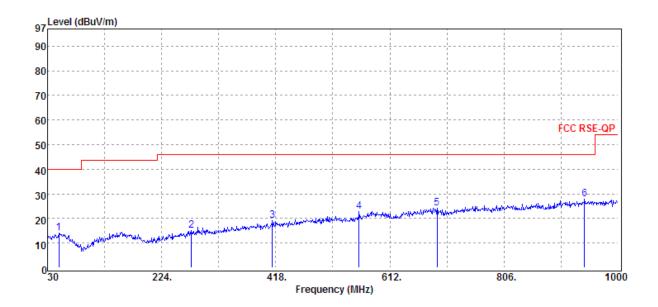
Test Date Temp./Humi. Engineer

:23deg_C/52RH :Allen

:2014-03-19

Measurement Antenna Pol. :Ver. / Hor.





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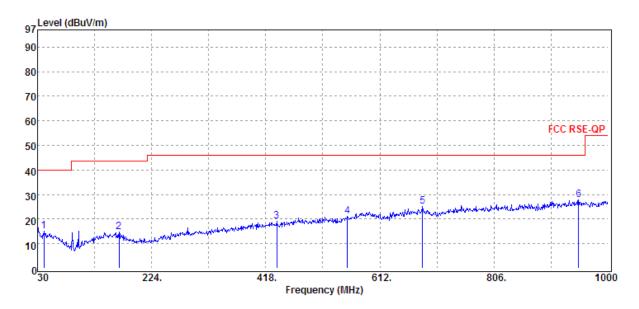
Operation Band Fundamental Frequency Operation Mode EUT Pol.

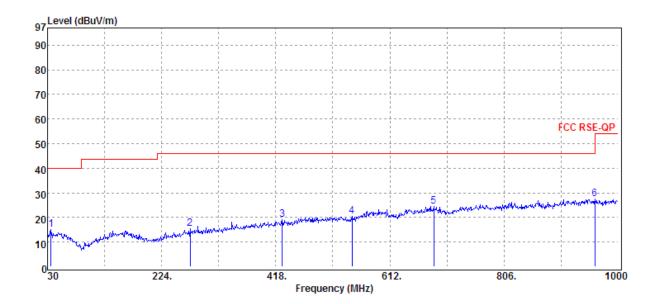
:802.11n20M :5320 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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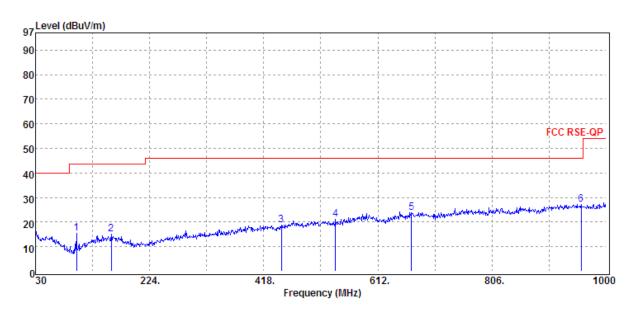
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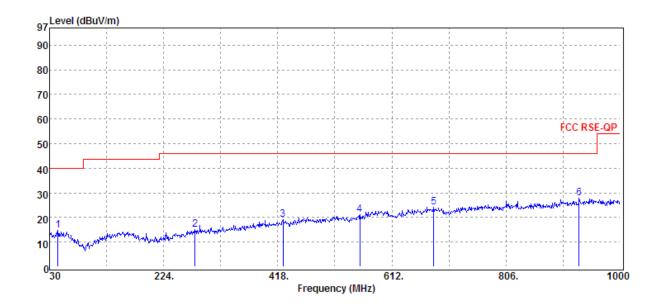
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802.11n 20M 5470-5725MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5500 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode EUT Pol.

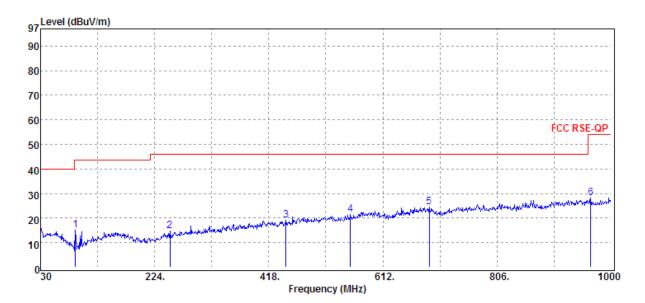
:802.11n20M :5580 MHz :TX MID : H Plan

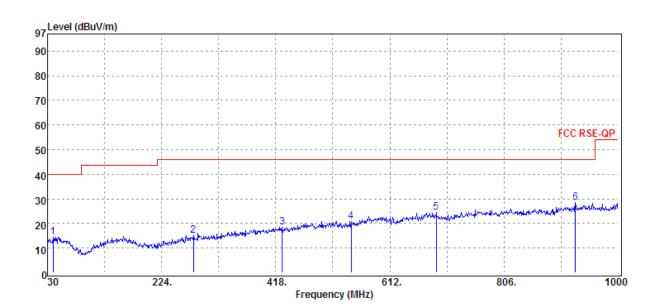
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:23deg_C/52RH :Allen :Ver. / Hor.

:2014-03-19





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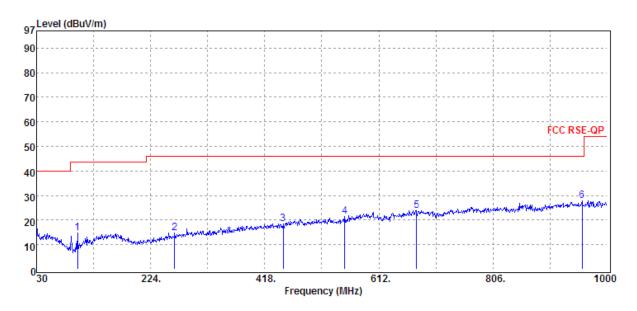
Operation Band Fundamental Frequency Operation Mode EUT Pol.

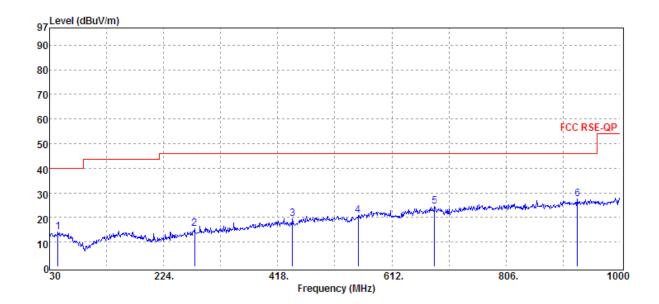
:802.11n20M :5700 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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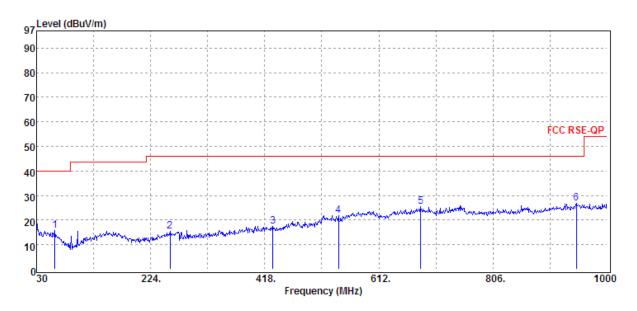
Report No.: EH/2014/10053 Issue Date: Mar. 21, 2014

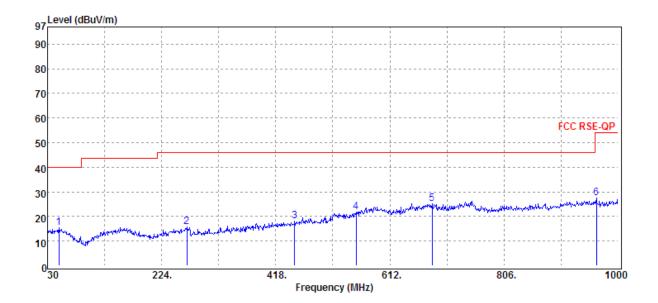
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802.11n 40M 5150-5250MHz

Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5190 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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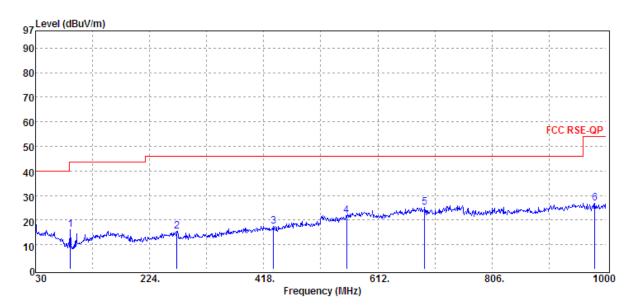
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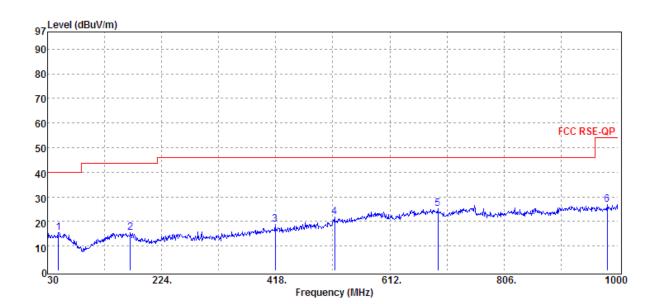
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5230 MHz :TX HIGH : H Plan

Test Date Temp./Humi. :2014-03-19 :23deg_C/52RH

Engineer :Allen Measurement Antenna Pol. :Ver. / Hor.





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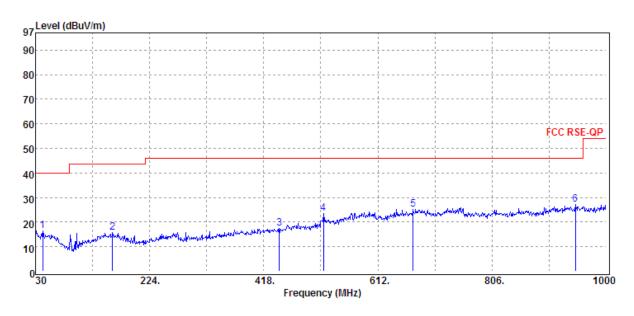
Report No.: EH/2014/10053 **Issue Date: Mar. 21, 2014**

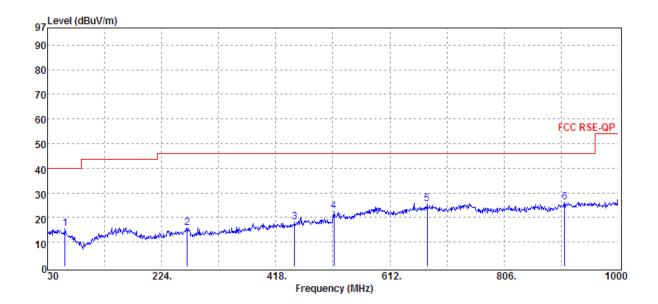
Page 334 of 438

802.11n 40M 5250-5350MHz

Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5270 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen Measurement Antenna Pol. EUT Pol. : H Plan :Ver. / Hor.





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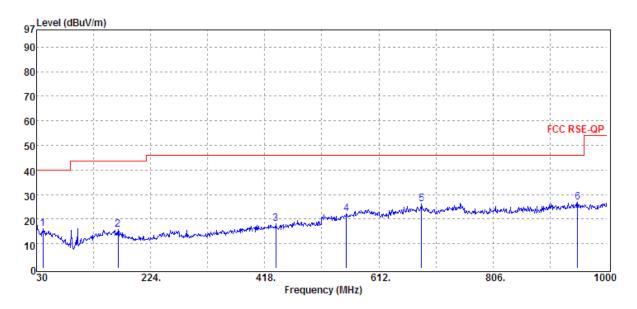
Operation Band Fundamental Frequency Operation Mode EUT Pol.

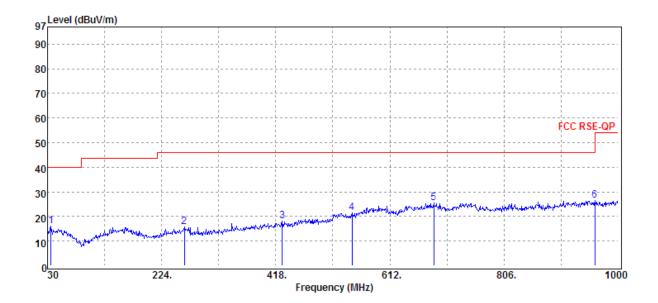
:802.11n40M :5310 MHz :TX HIGH : H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allen Measurement Antenna Pol. :Ver. / Hor.





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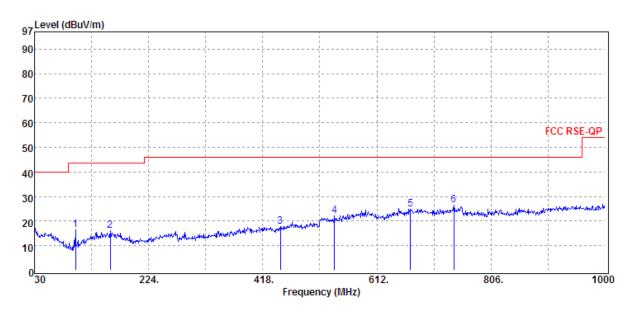
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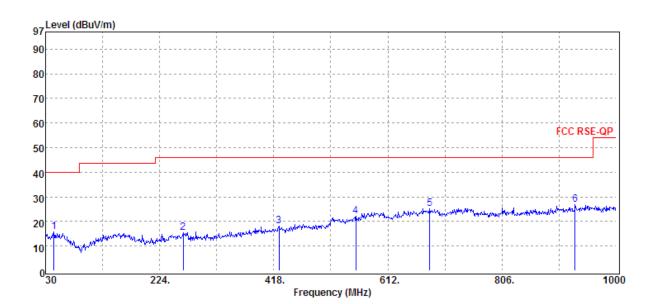
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802.11n 40M 5470-5725MHz

Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5510 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allen EUT Pol. : H Plan Measurement Antenna Pol. :Ver. / Hor.





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Operation Band Fundamental Frequency Operation Mode EUT Pol.

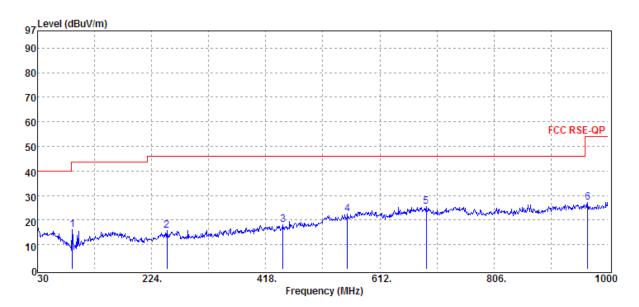
:802.11n40M :5550 MHz :TX MID : H Plan

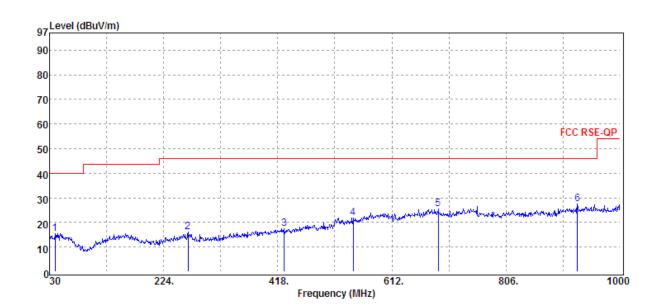
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:23deg_C/52RH :Allen :Ver. / Hor.

:2014-03-19





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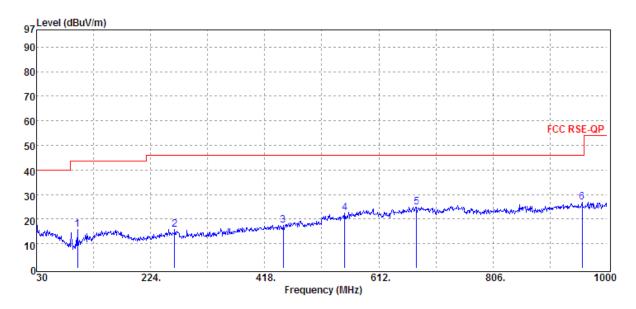
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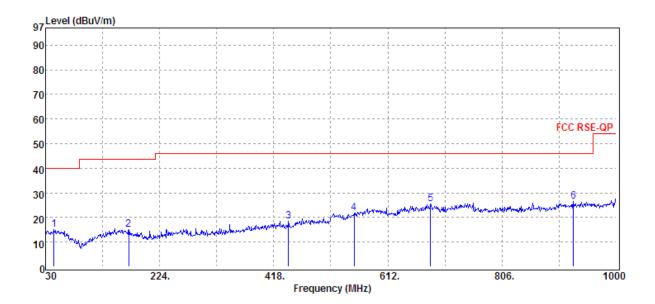
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5670 MHz :TX HIGH : H Plan

Test Date Temp./Humi. :2014-03-19 :23deg_C/52RH

Engineer :Allen Measurement Antenna Pol. :Ver. / Hor.





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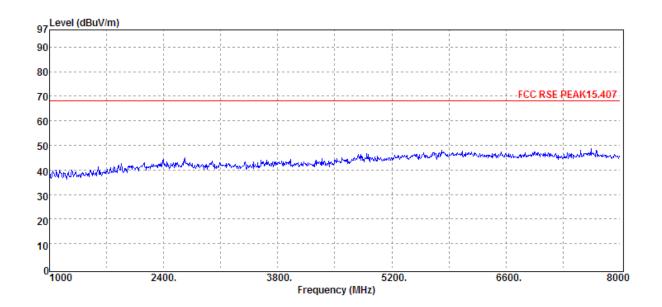
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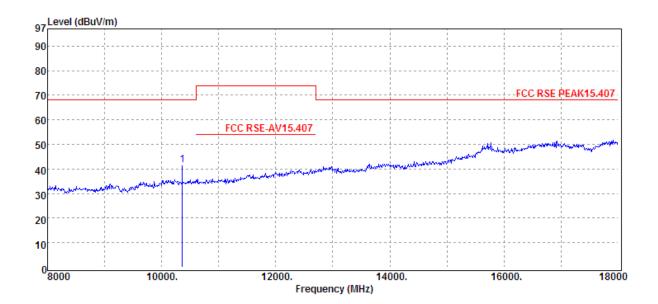
Radiated Spurious Emission Measurement photos Result (above 1GHz)

802.11a 5150-5250MHz

Operation Band :802.11 a Test Date :2014-03-19 Fundamental Frequency :5180 MHz Temp./Humi. :23deg C/52RH

Operation Mode :TX LOW Engineer :Allan EUT Pol. :H Plan Measurement Antenna Pol. :VERTICAL





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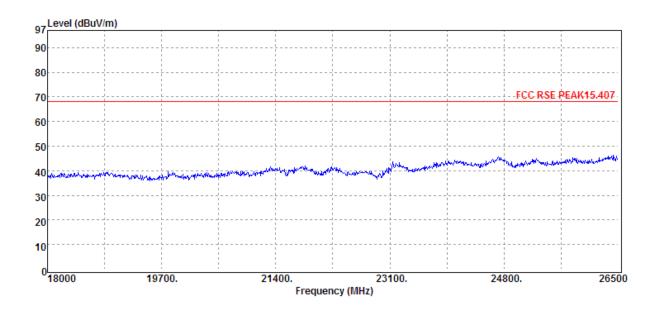
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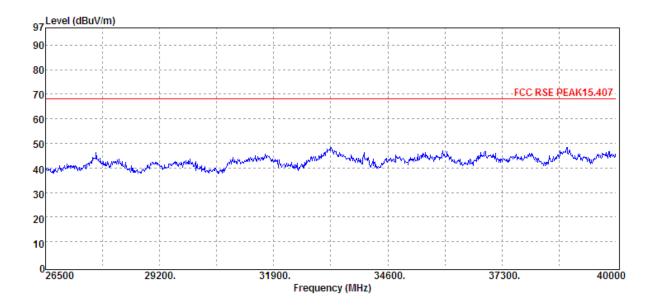
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

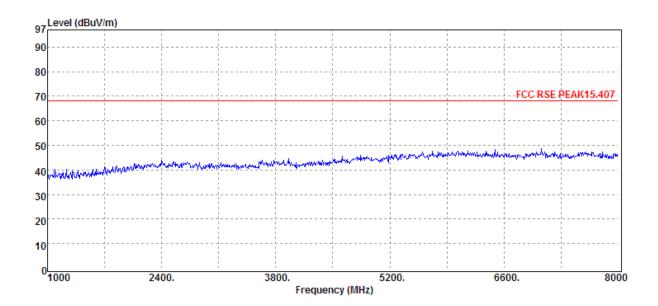
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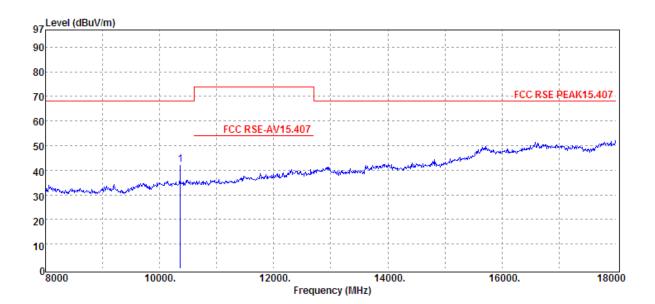
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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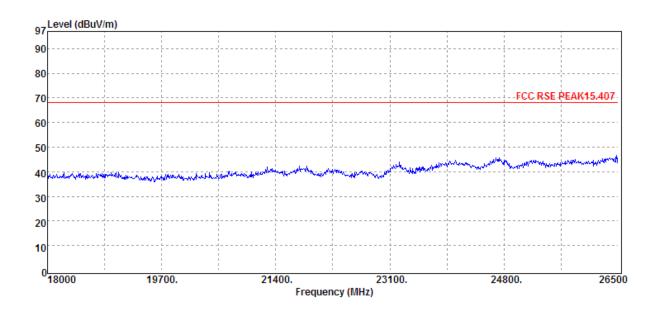
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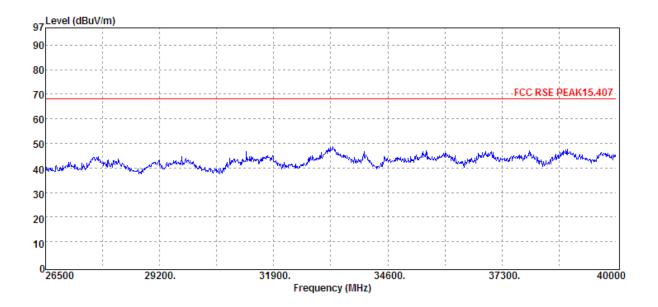
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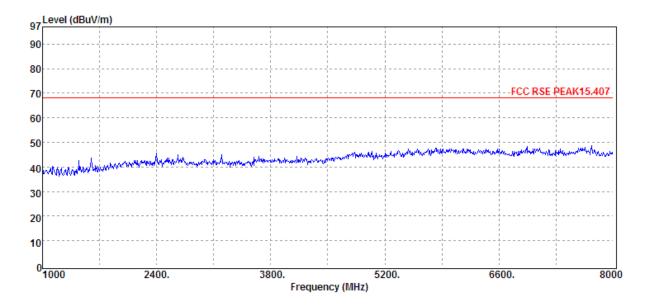
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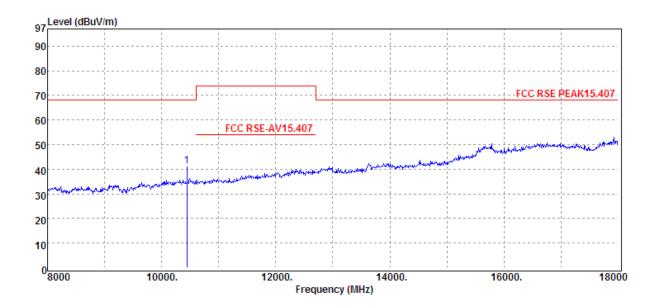
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11 a :5220 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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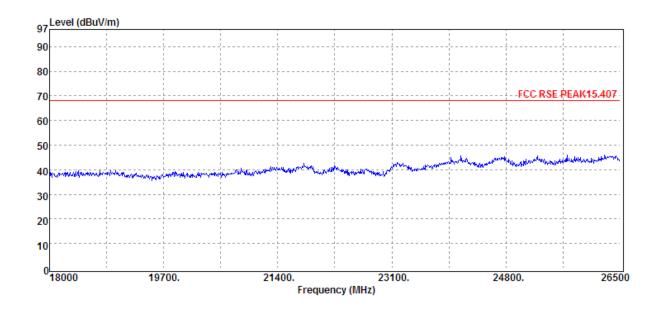
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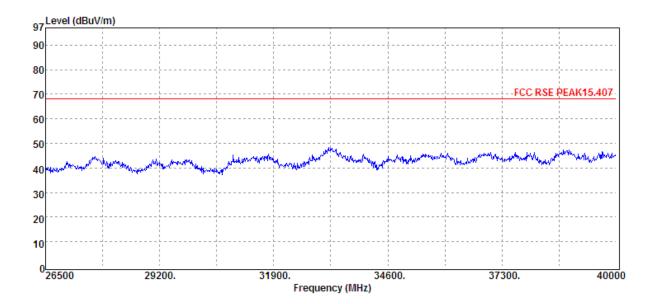
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

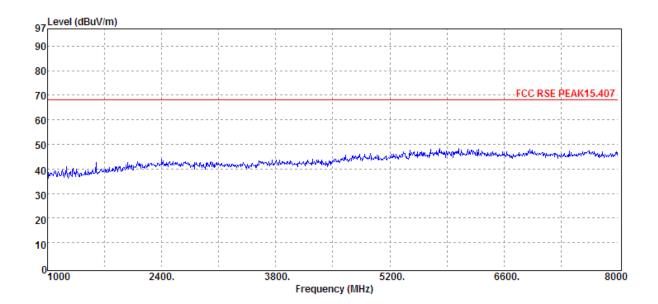
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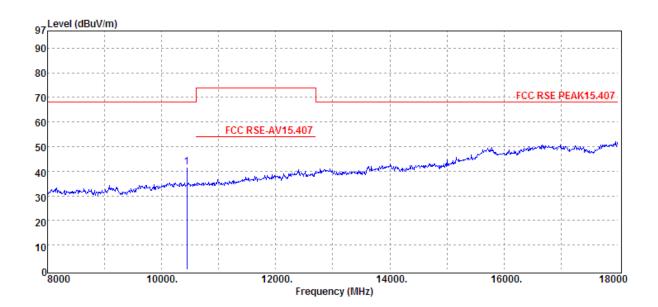
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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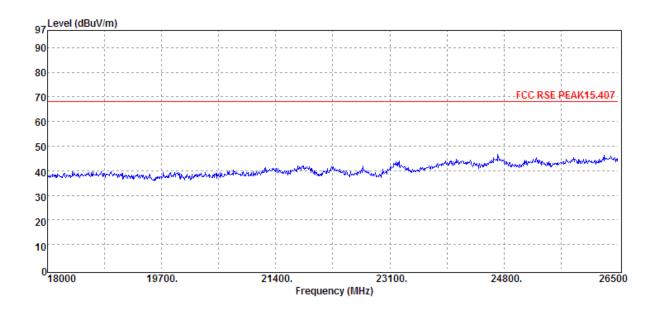
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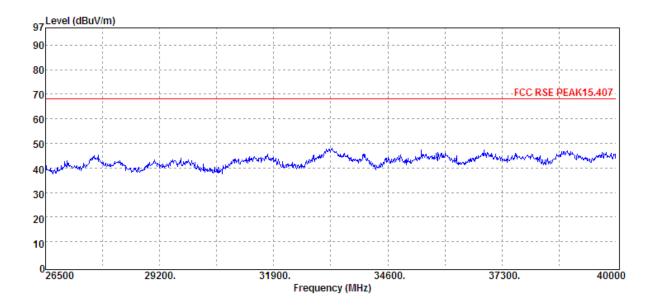
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

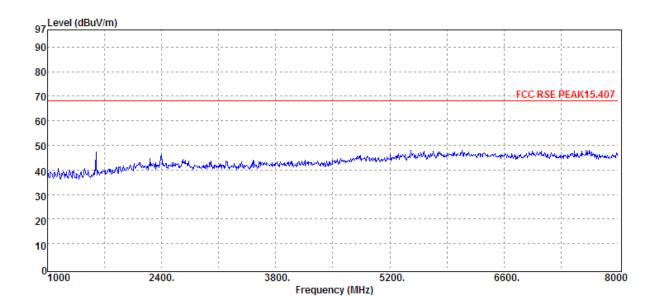
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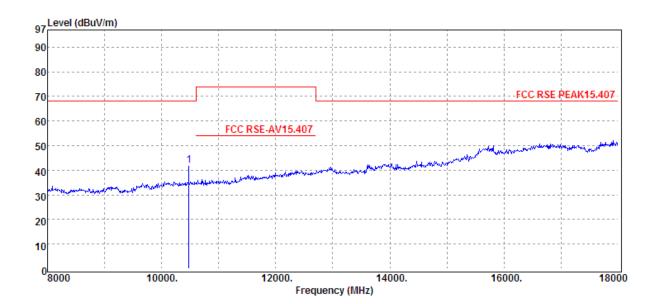
Test Date Temp./Humi. :23deg_C/52RH Engineer

Measurement Antenna Pol.

:Allan :VERTICAL

:2014-03-19





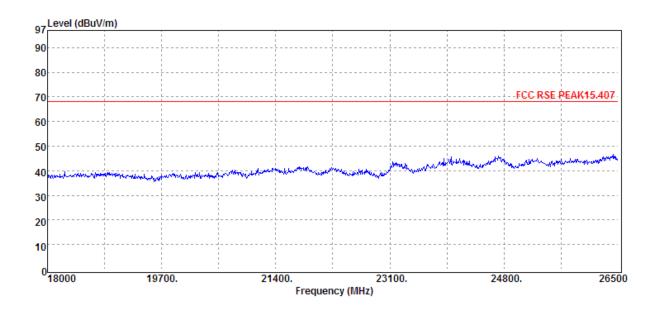
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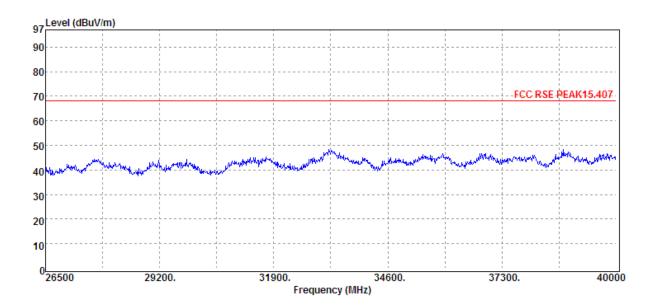
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Operation Band Fundamental Frequency

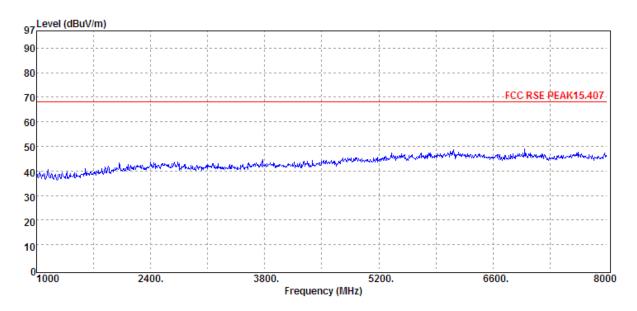
Operation Mode EUT Pol.

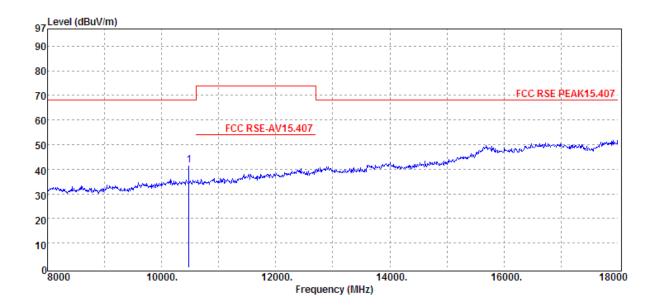
:802.11 a :5240 MHz :TX HIGH :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:HORIZONTAL Measurement Antenna Pol.





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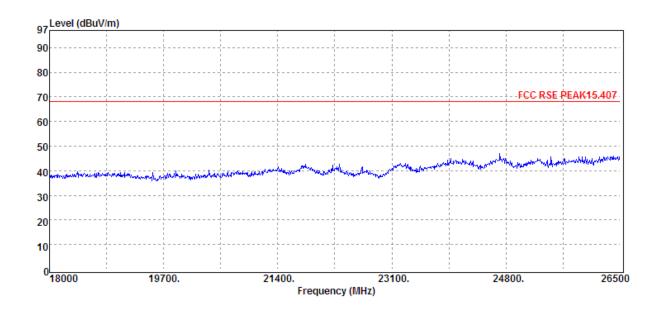
t (886-2) 2299-3279

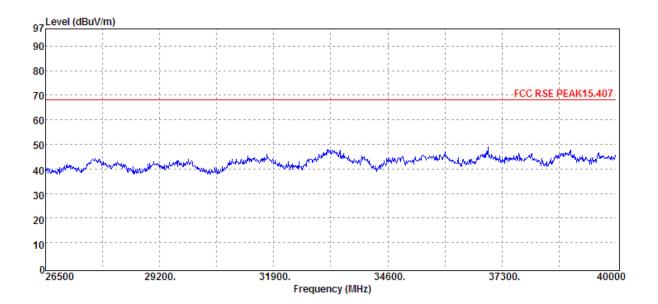
f (886-2) 2298-0488



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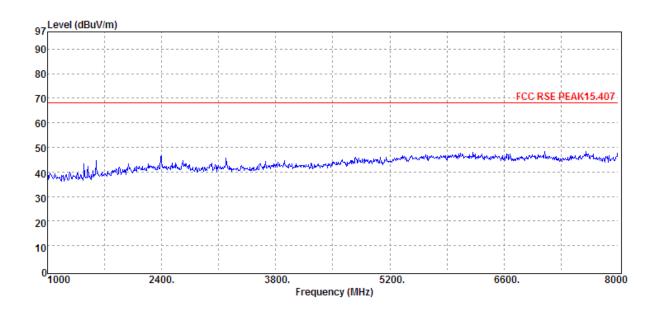
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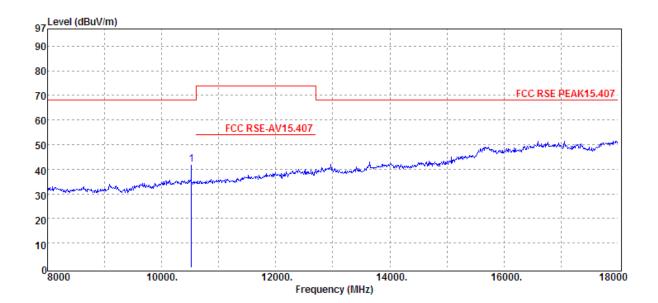
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11 a :5260 MHz :TX LOW :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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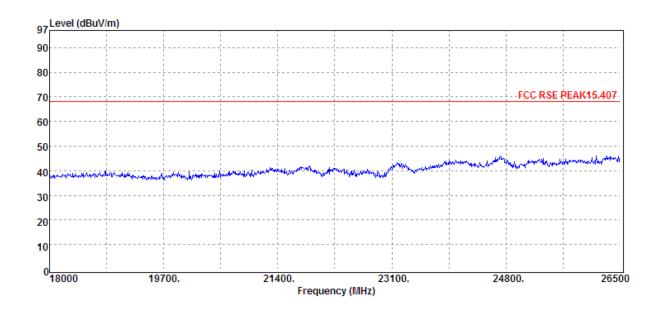
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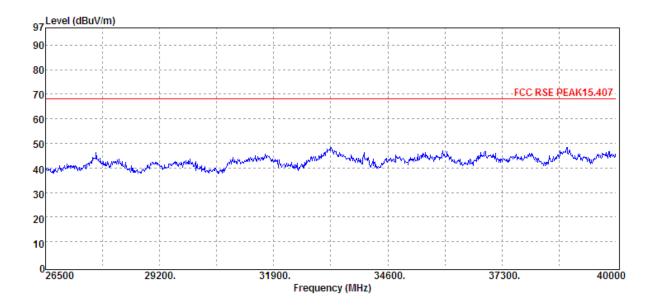
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

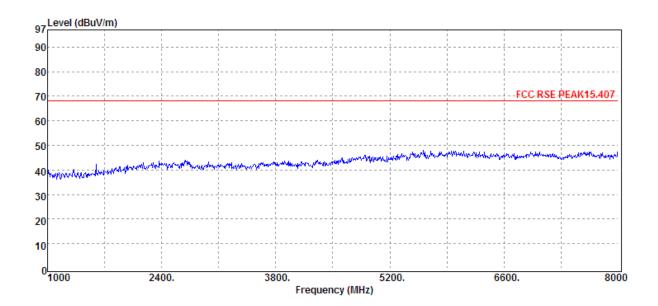
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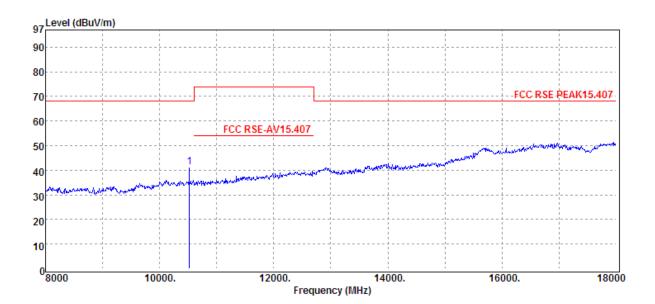
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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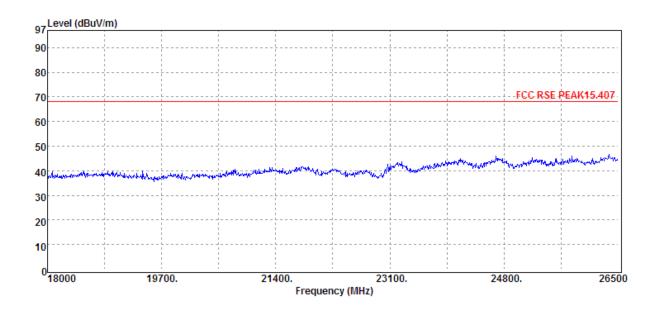
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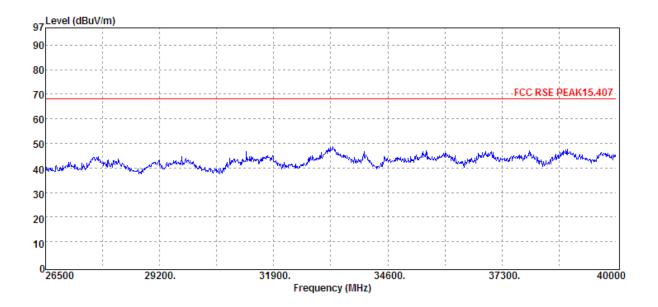
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

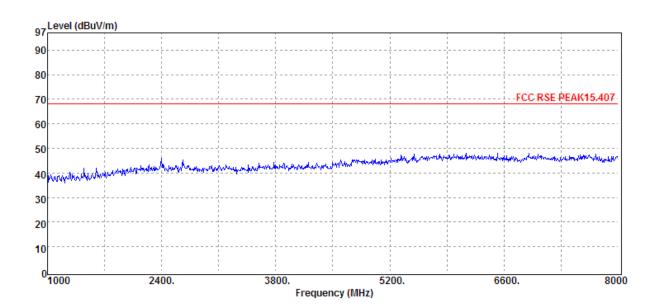
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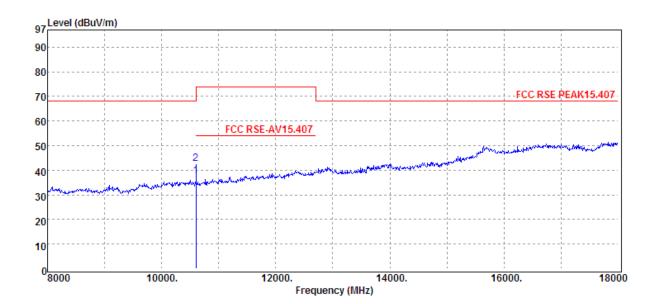
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL





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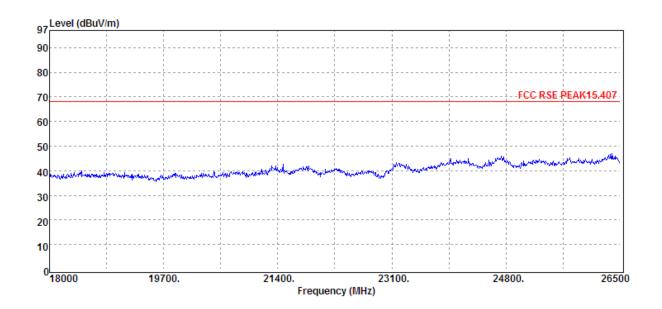
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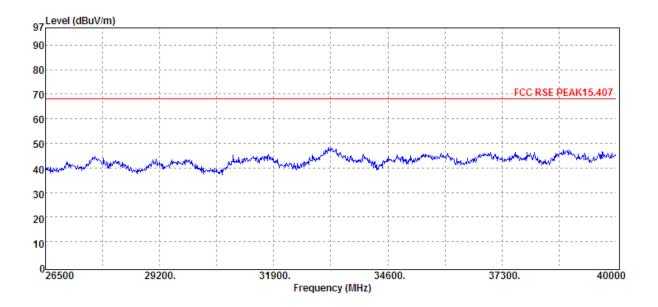
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

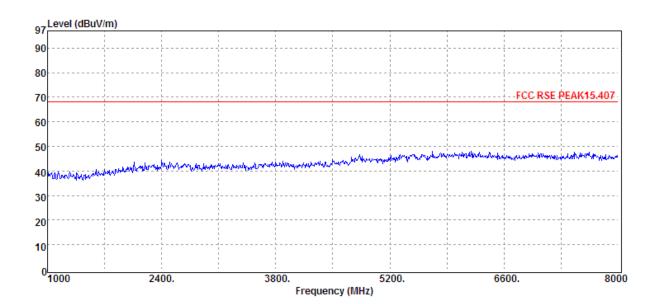
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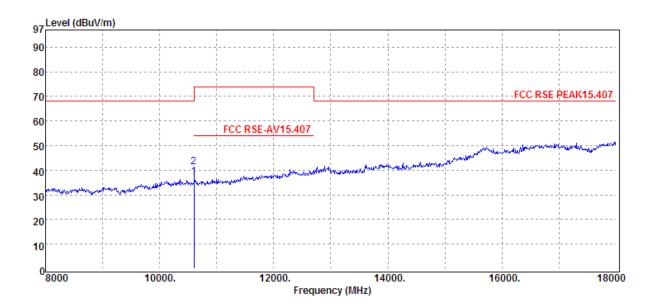
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

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:Allan :HORIZONTAL





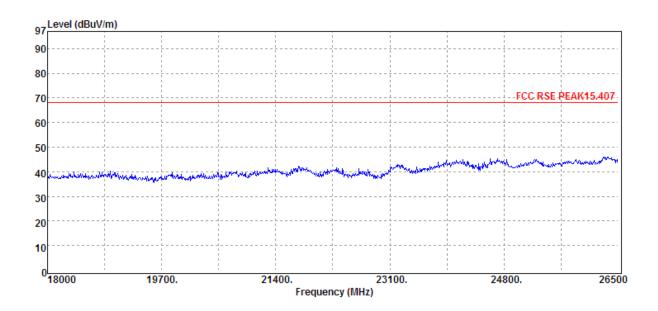
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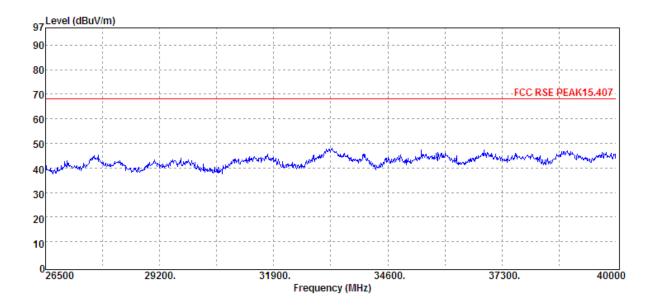
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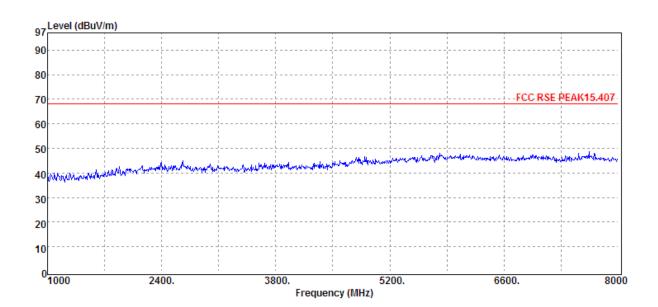
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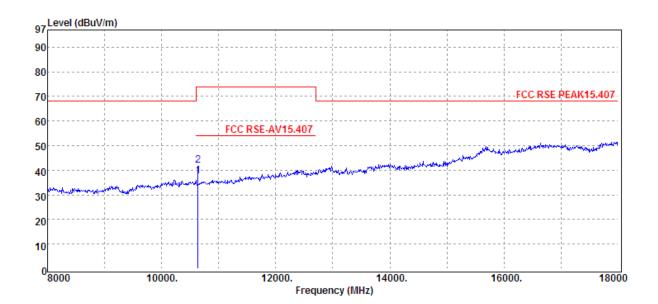
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Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL Measurement Antenna Pol.





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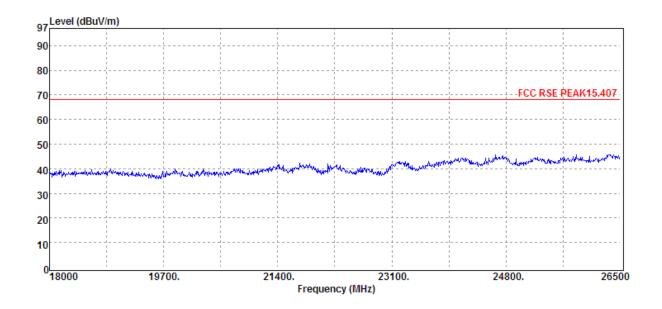
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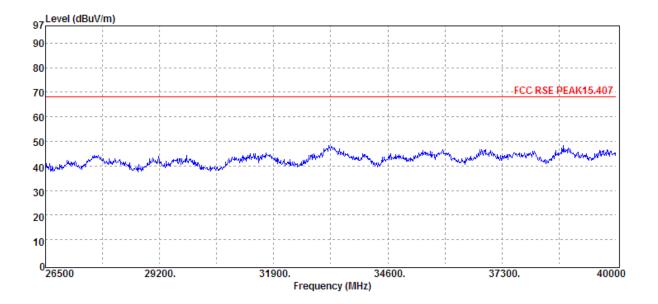
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

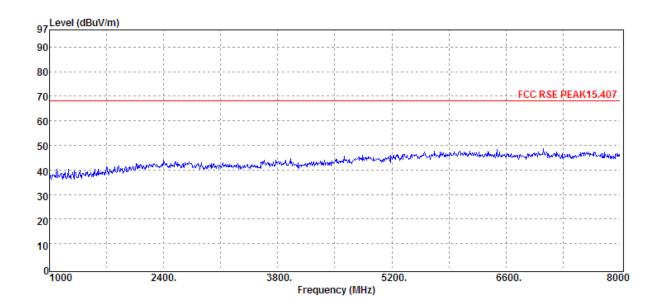
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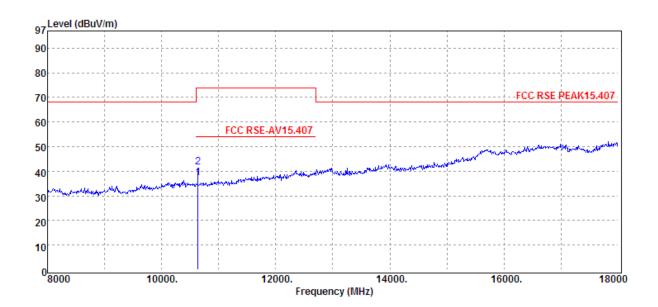
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





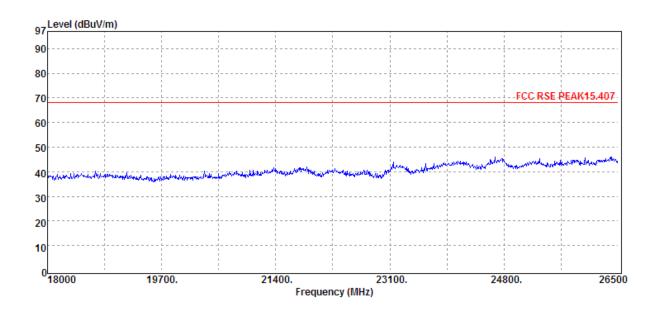
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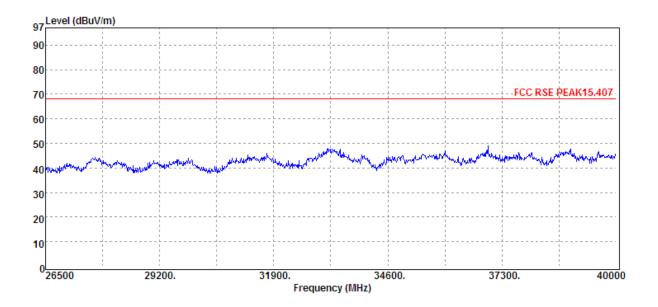
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802.11a 5470-5725MHz

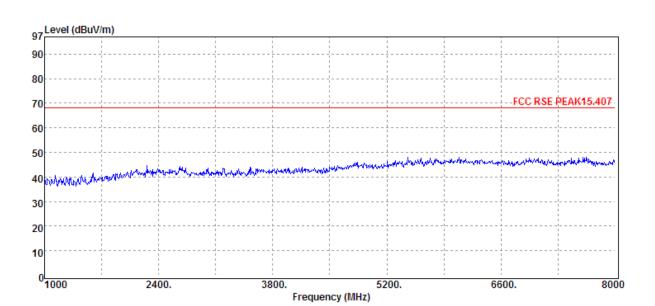
Operation Band Fundamental Frequency Operation Mode EUT Pol.

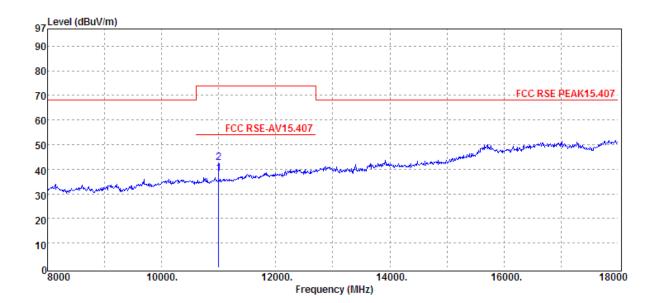
:802.11 a :5500 MHz :TX LOW :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL Measurement Antenna Pol.





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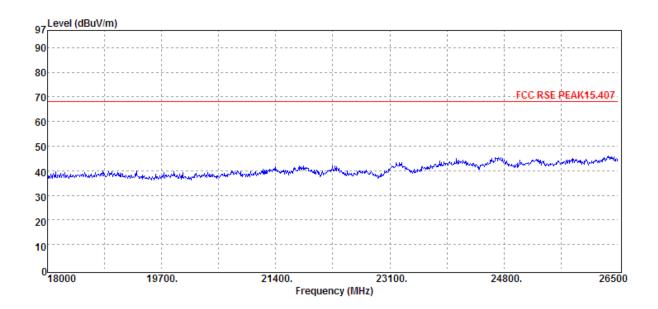
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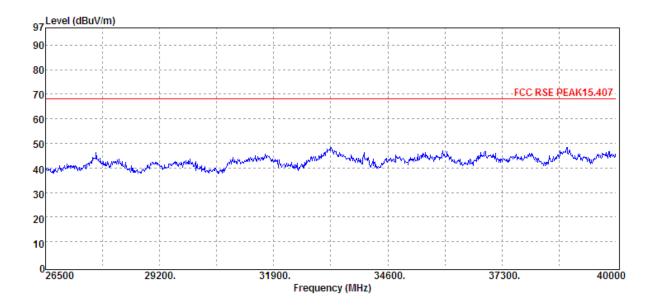
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Operation Band Fundamental Frequency Operation Mode

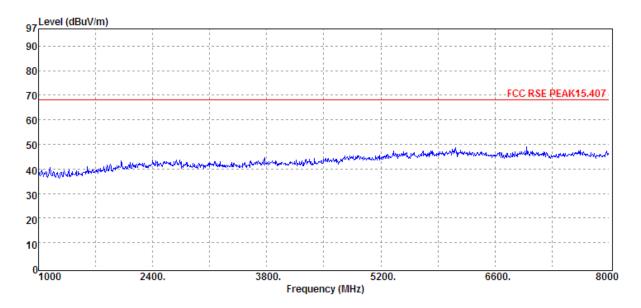
EUT Pol.

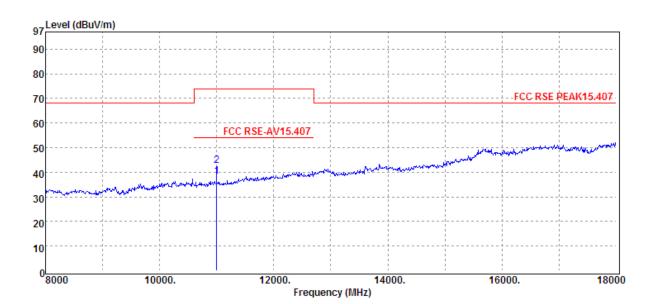
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Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

Measurement Antenna Pol. :HORIZONTAL





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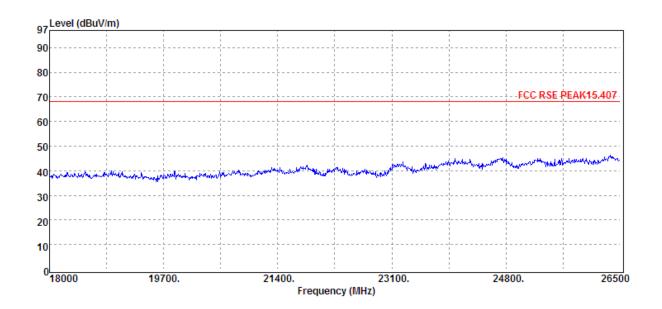
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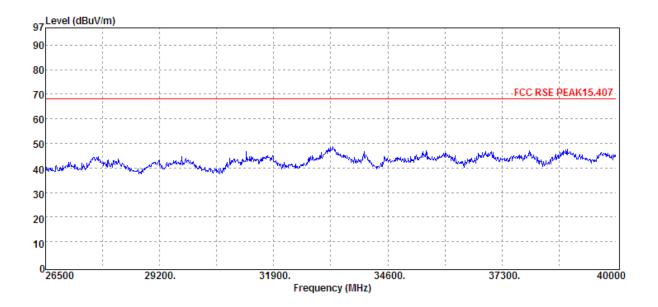
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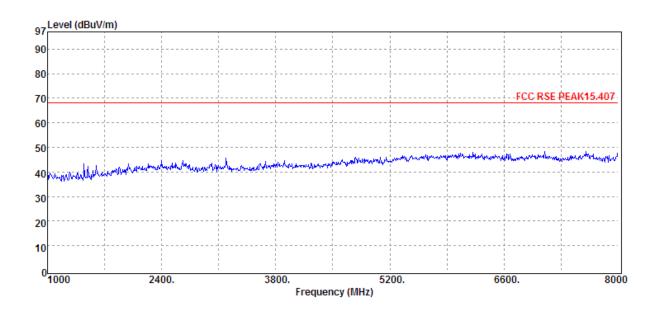
Operation Band Fundamental Frequency Operation Mode EUT Pol.

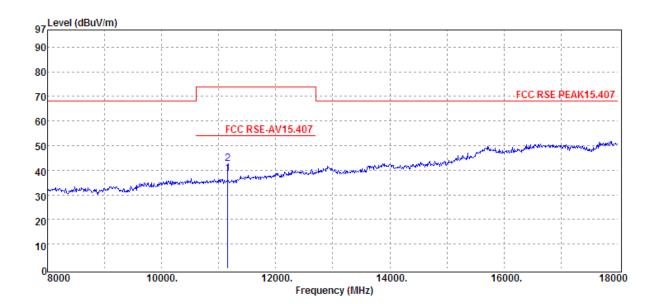
:802.11 a :5580 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. Engineer

:23deg_C/52RH :Allan

:VERTICAL Measurement Antenna Pol.





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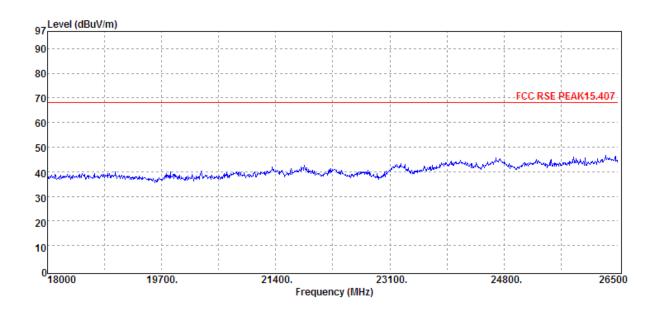
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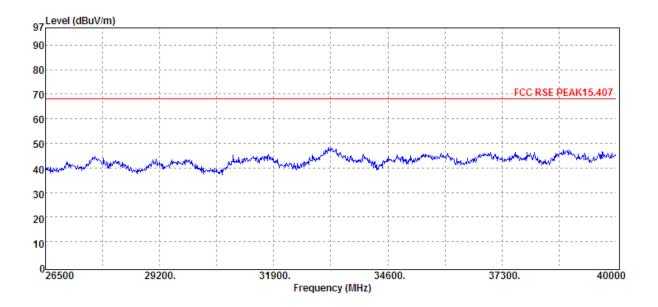
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

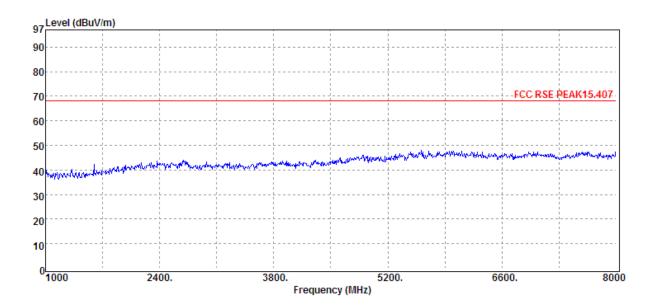
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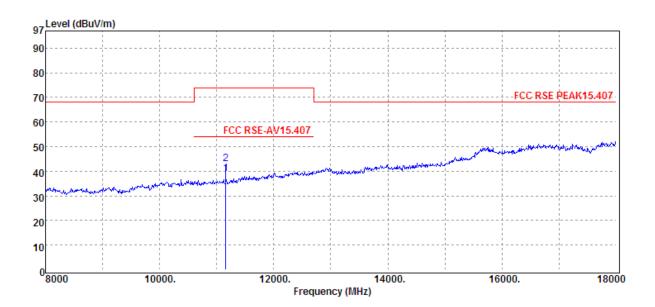
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





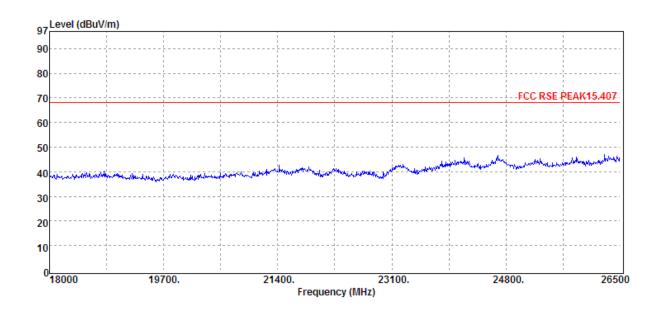
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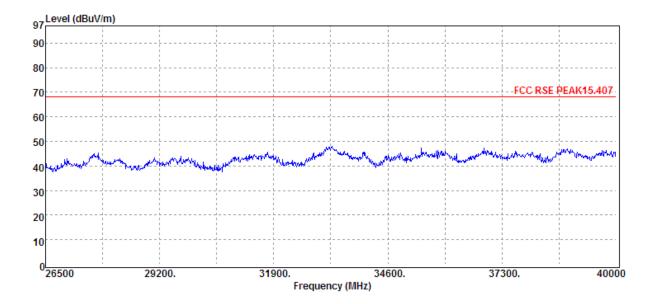
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

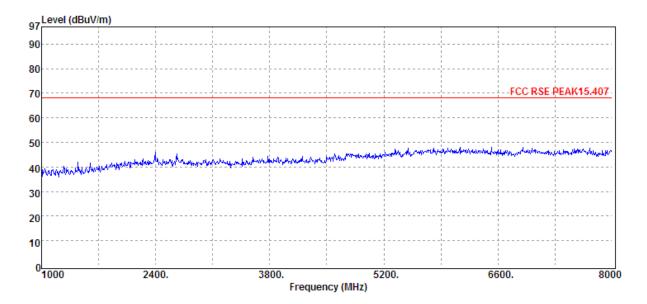
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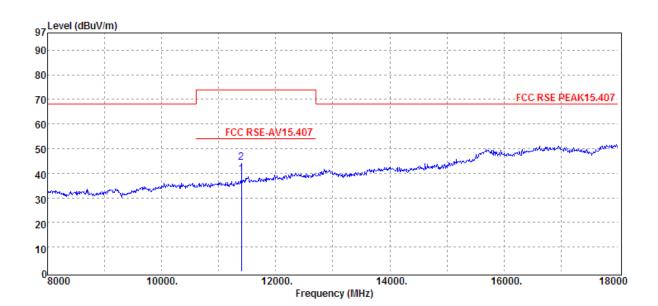
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL





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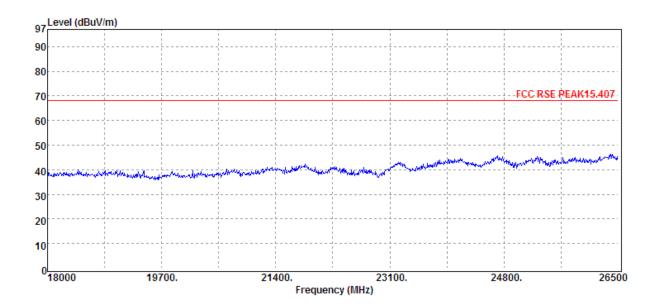
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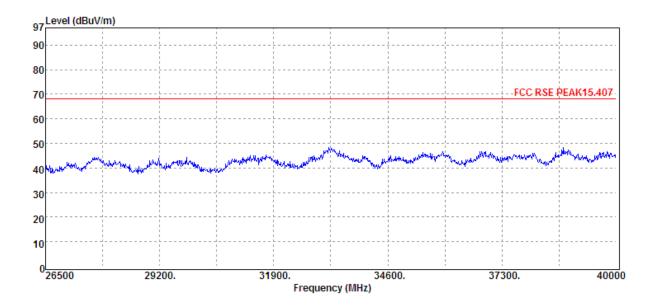
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

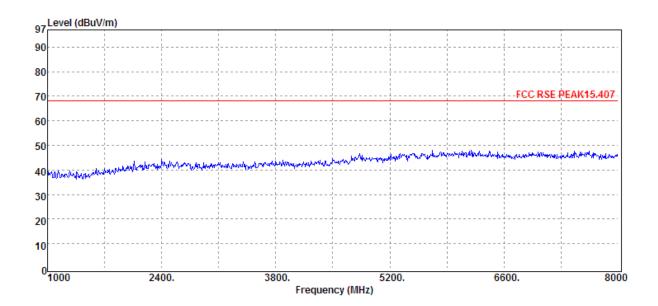
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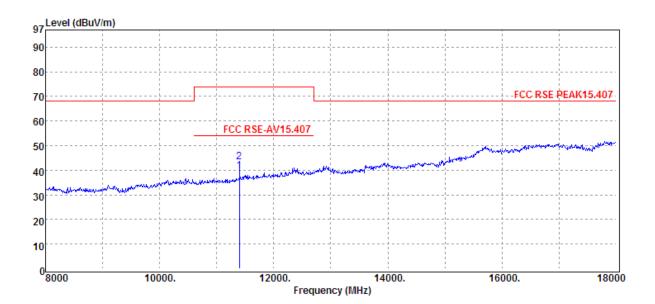
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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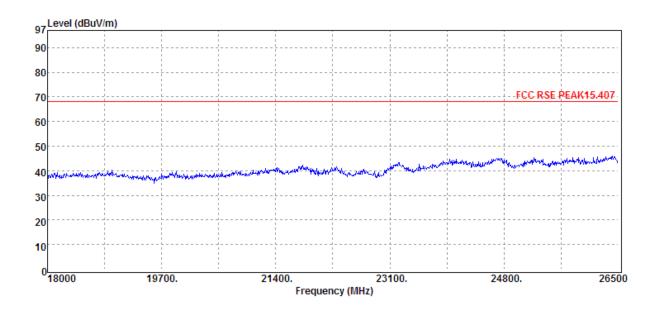
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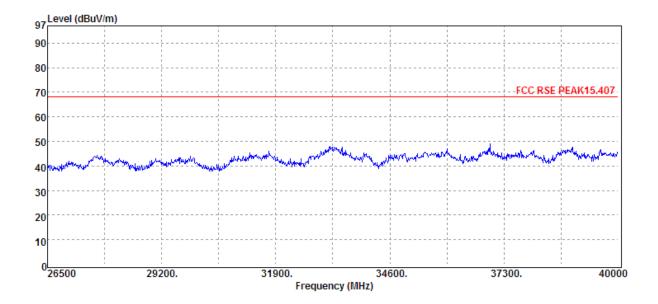
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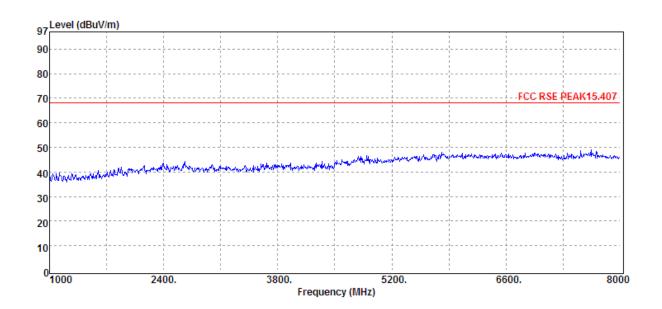
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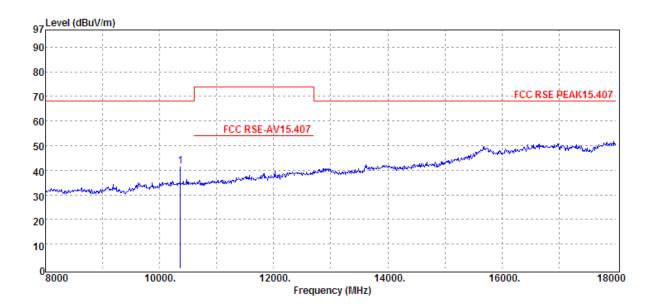
802.11n 20MHz 5150-5250MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5180 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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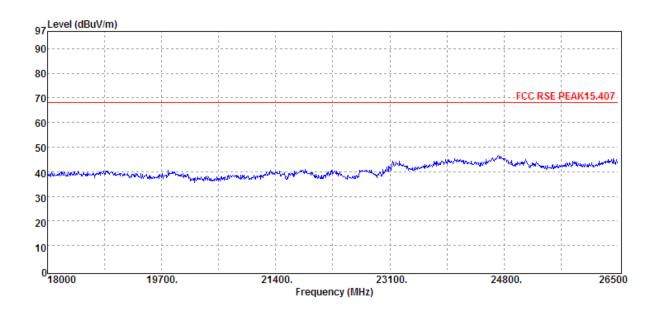
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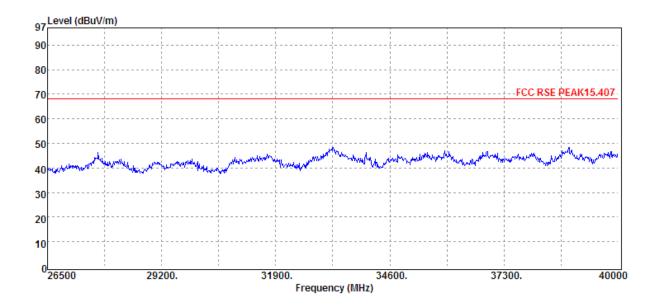
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

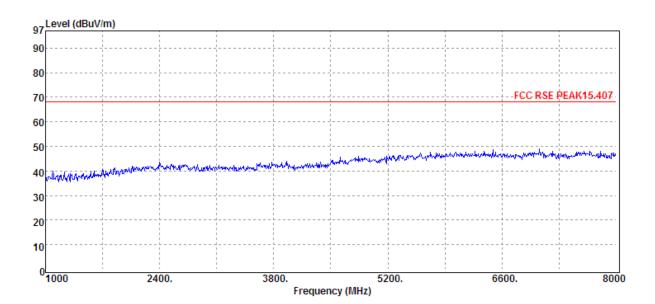
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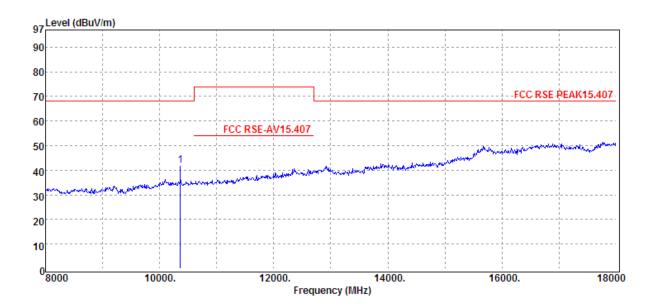
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:2014-03-19 :23deg_C/52RH :Allan

:HORIZONTAL





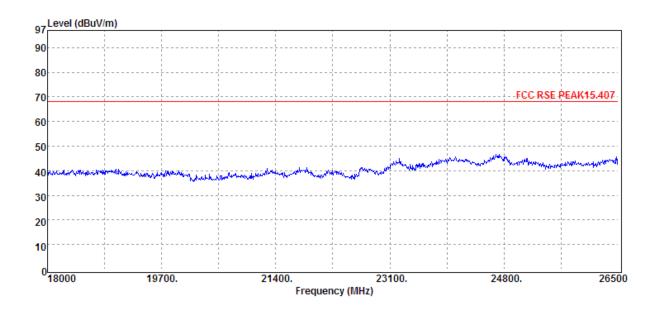
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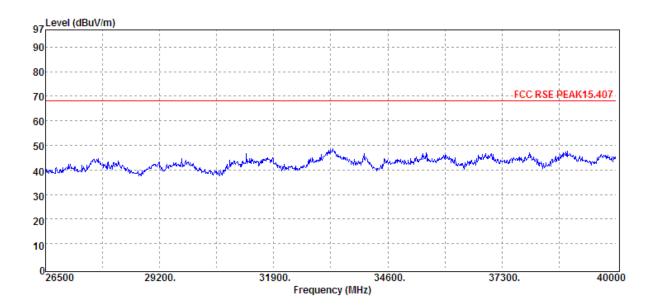
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

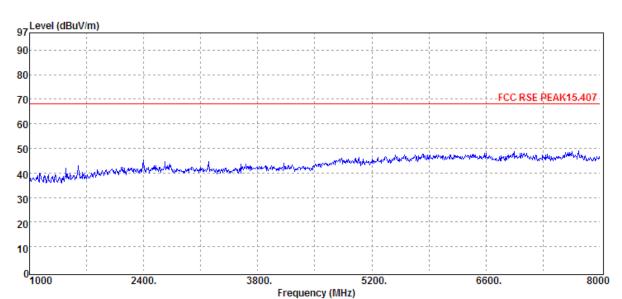
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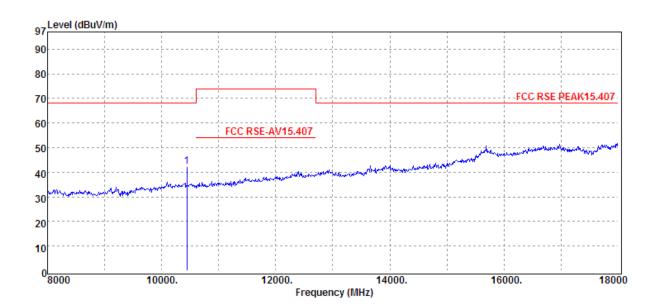
Test Date Temp./Humi. Engineer

Measurement Antenna Pol.

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL





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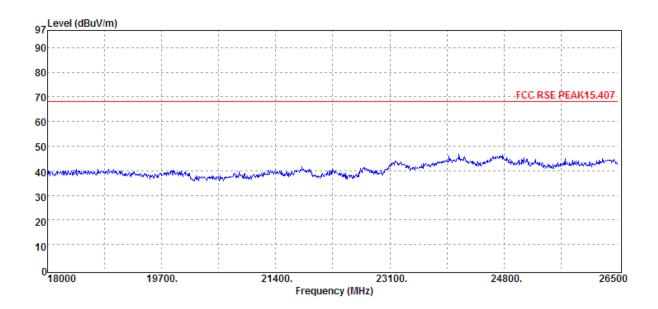
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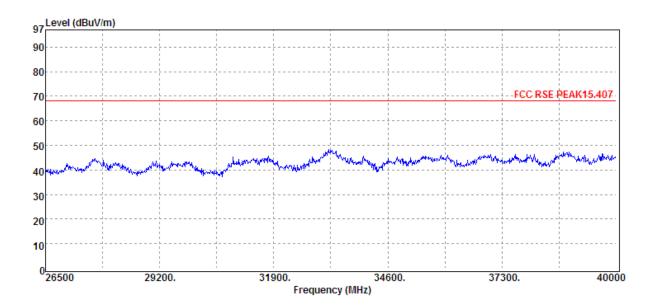
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5220 MHz :TX MID :H Plan

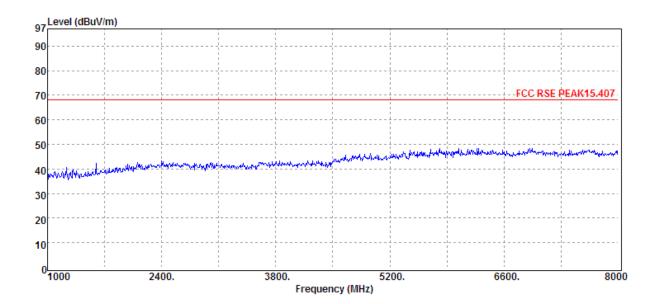
Test Date Temp./Humi. Engineer

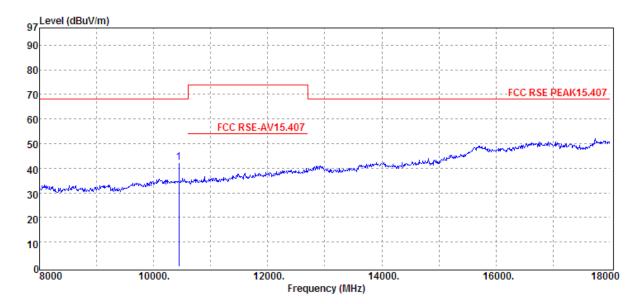
Measurement Antenna Pol.

:23deg_C/52RH :Allan

:2014-03-19

:HORIZONTAL





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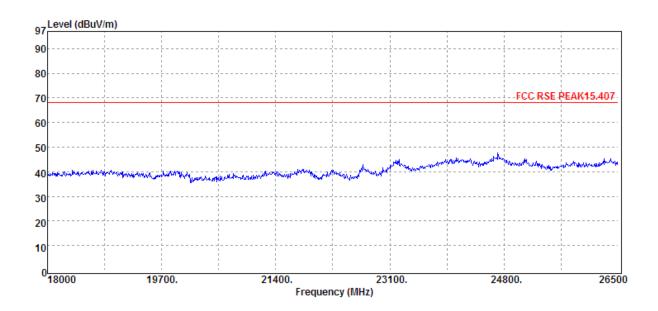
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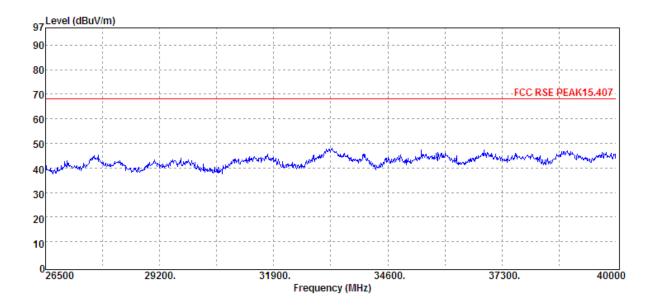
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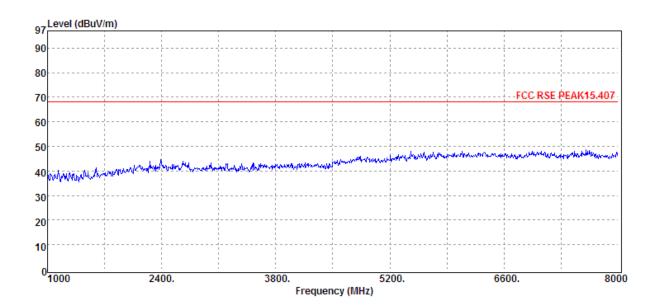
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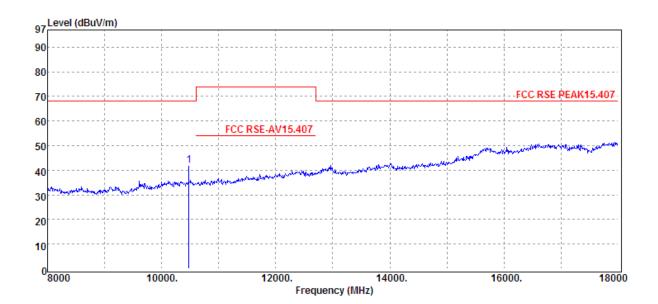
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5240 MHz :TX HIGH :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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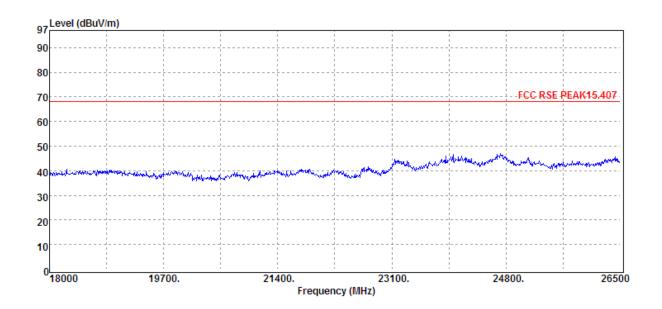
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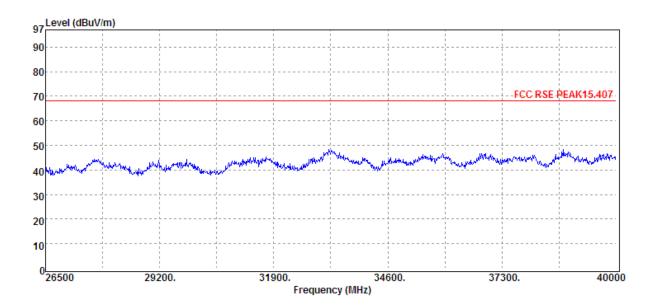
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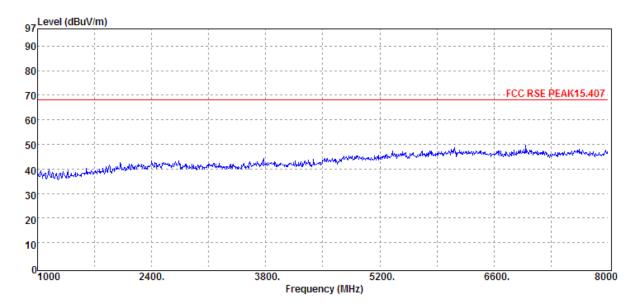
Operation Band Fundamental Frequency Operation Mode EUT Pol.

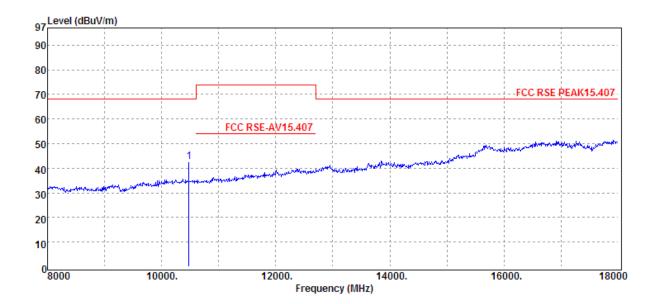
:802.11n20M :5240 MHz :TX HIGH :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

Measurement Antenna Pol. :HORIZONTAL





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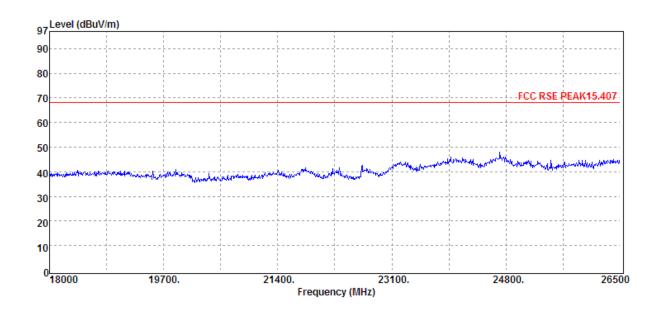
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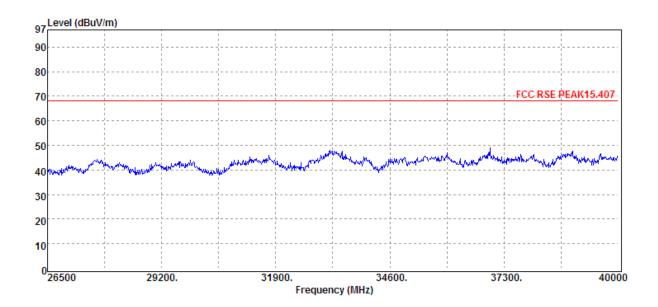
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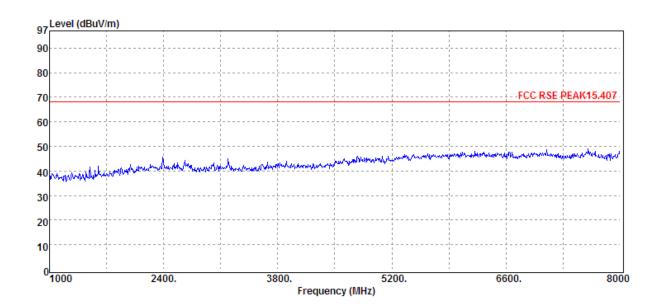
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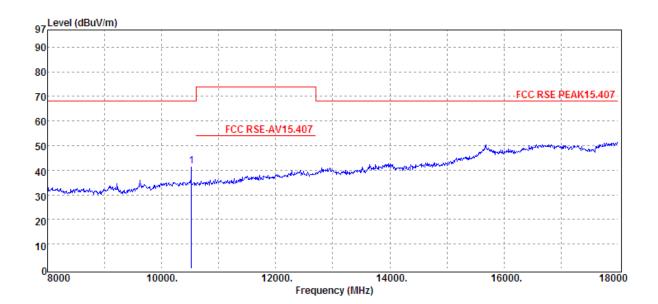
802.11n HT20 5250-5350MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5260 MHz Temp./Humi. :23deg_C/52RH

Operation Mode :TX LOW Engineer :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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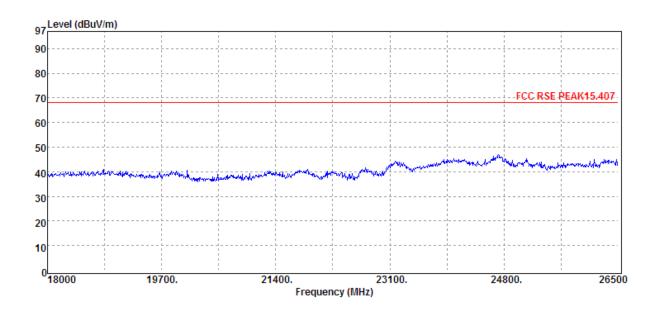
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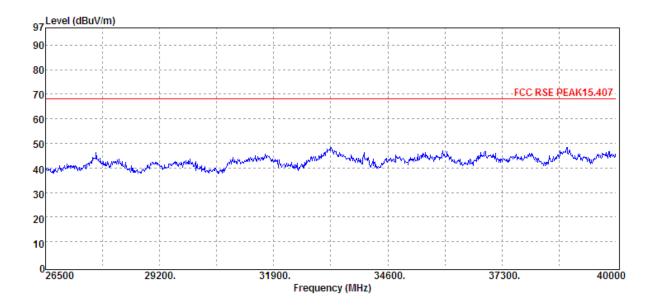
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f (886-2) 2298-0488



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Operation Band Fundamental Frequency Operation Mode EUT Pol.

0<mark>1000</mark>

2400.

:802.11n20M :5260 MHz :TX LOW :H Plan

Test Date Temp./Humi. Engineer

5200.

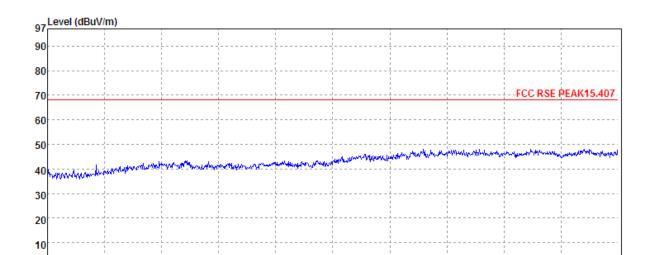
Measurement Antenna Pol.

:2014-03-19 :23deg_C/52RH

:Allan :HORIZONTAL

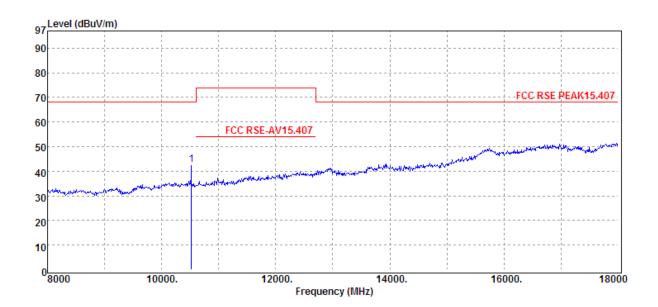
8000

6600.



Frequency (MHz)

3800.



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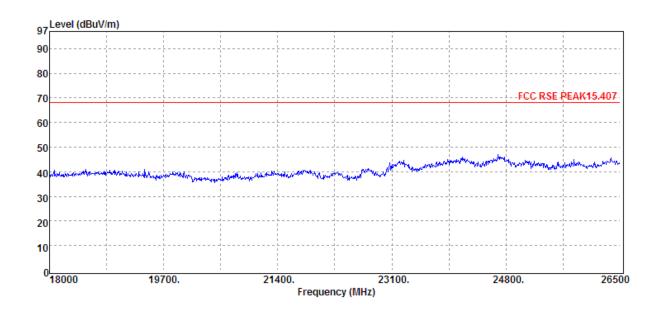
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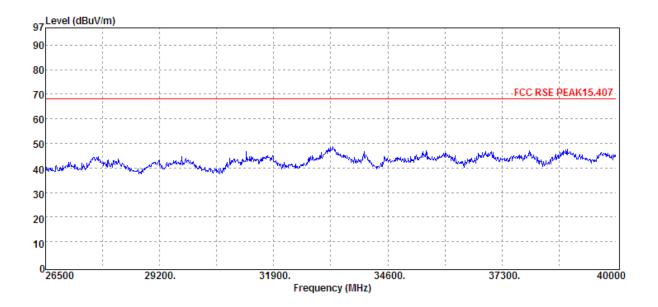
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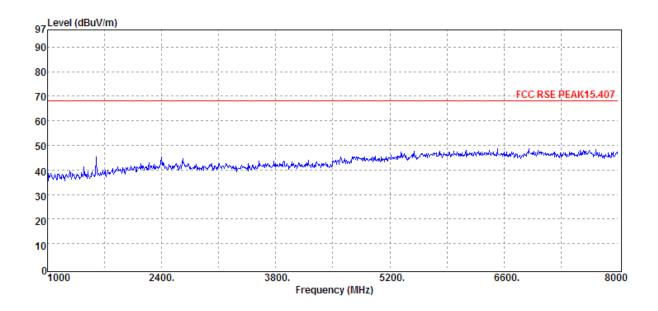
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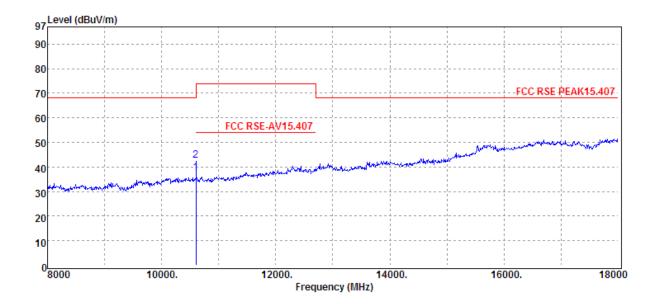
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5300 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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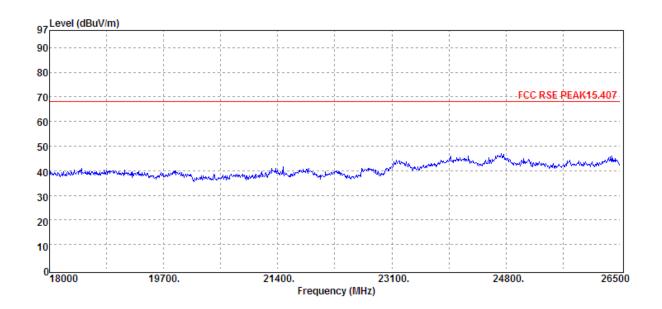
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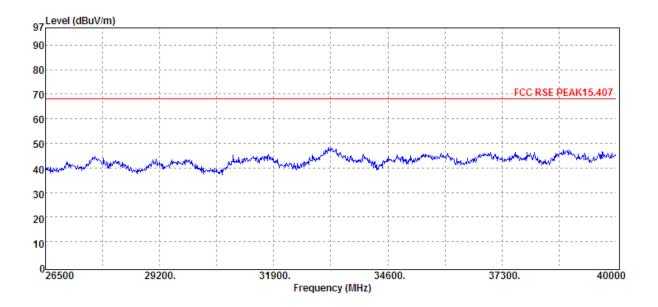
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

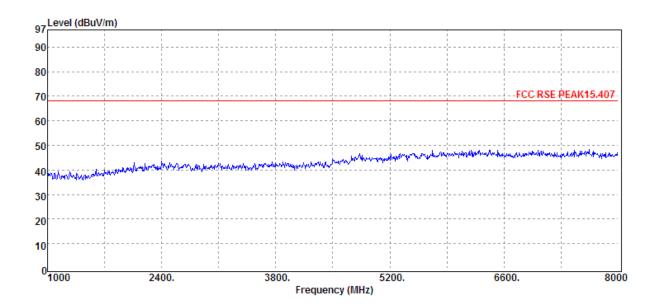
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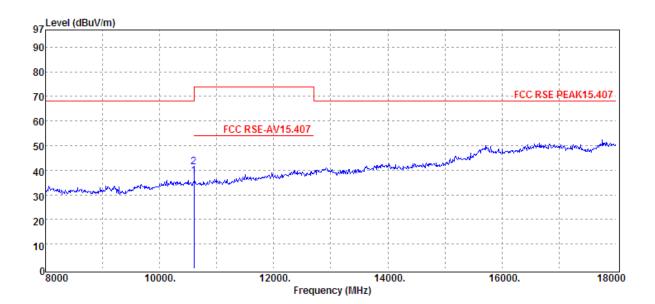
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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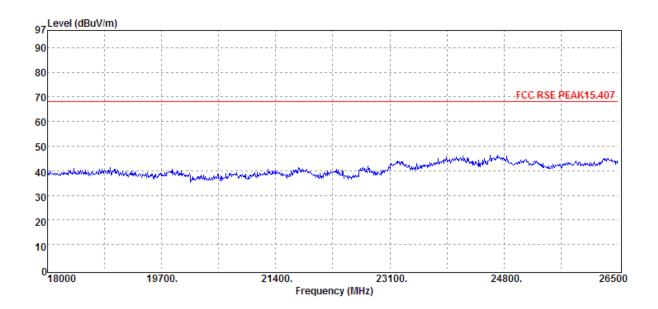
t (886-2) 2299-3279

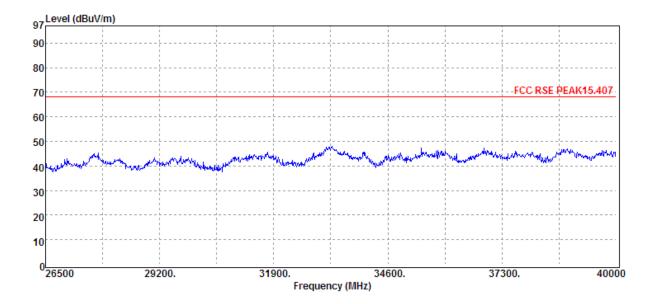
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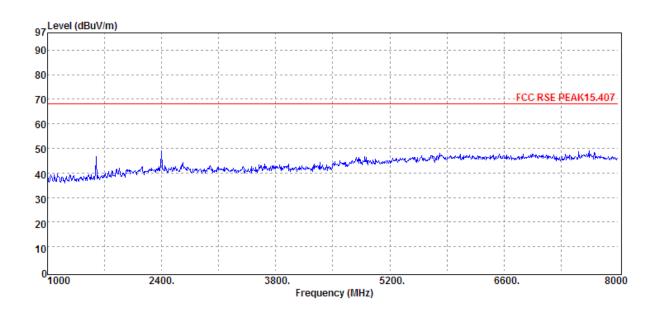
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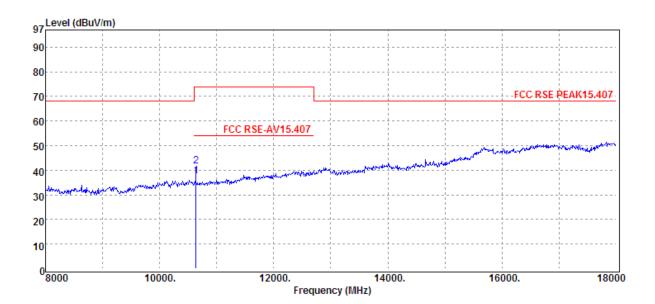
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5320 MHz :TX HIGH :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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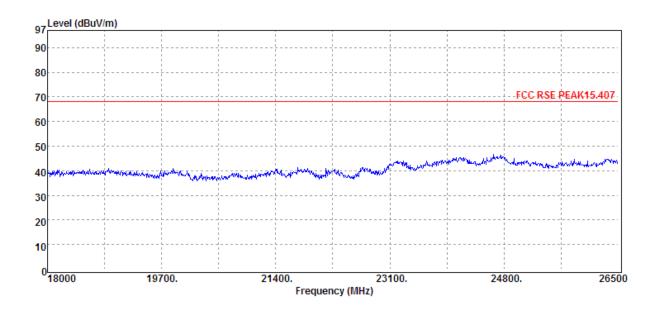
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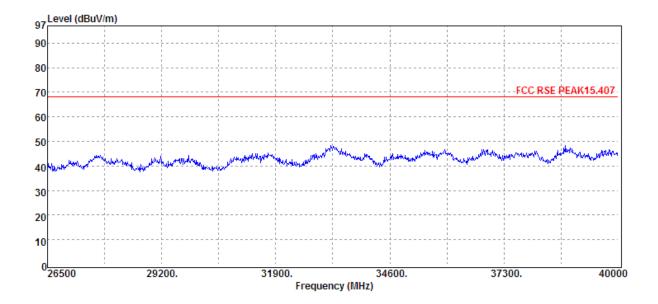
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

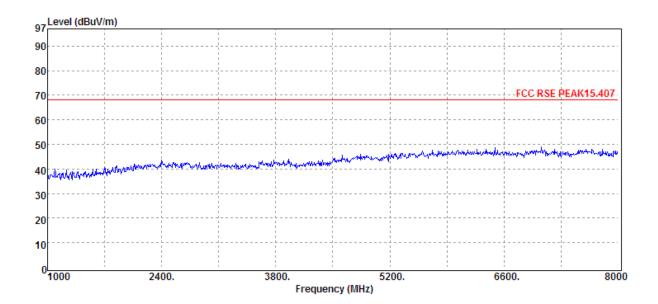
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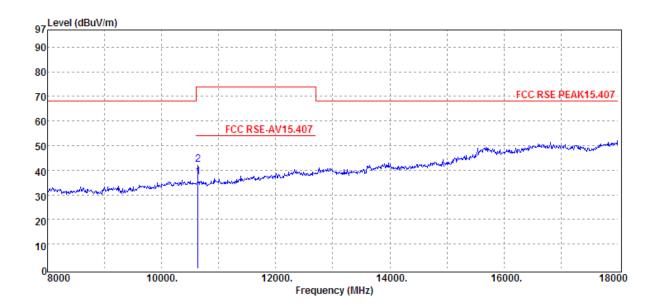
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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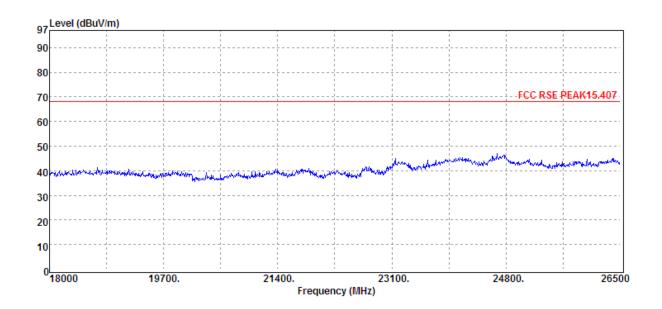
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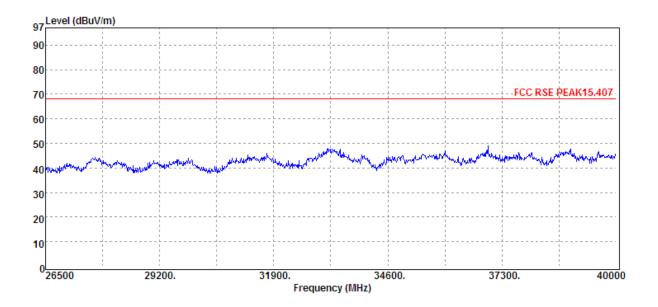
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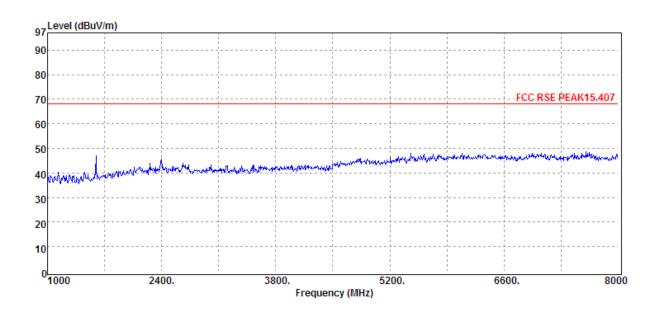
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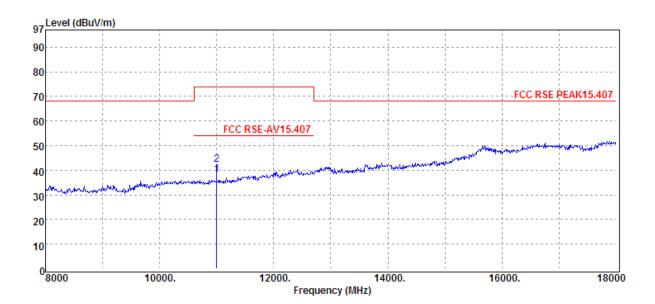
802.11n 20MHz 5470-5725MHz

Operation Band :802.11n20M Test Date :2014-03-19 Fundamental Frequency :5500 MHz Temp./Humi. :23deg_C/52RH

Operation Mode Engineer :TX LOW :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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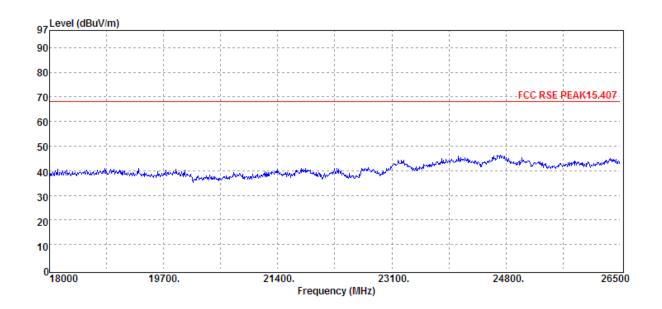
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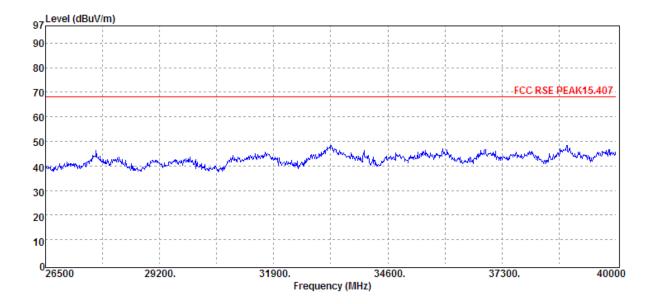
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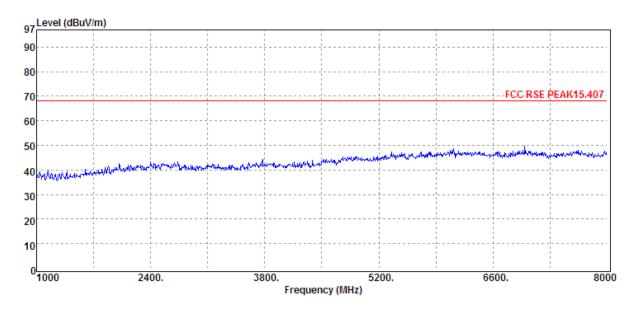
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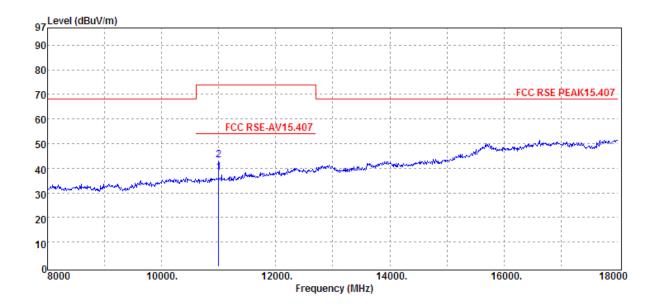
:802.11n20M :5500 MHz :TX LOW :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

Measurement Antenna Pol. :HORIZONTAL





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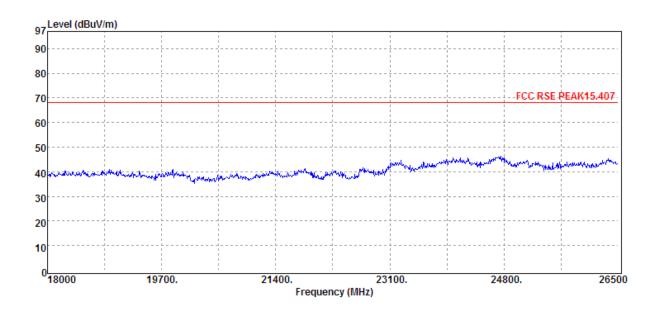
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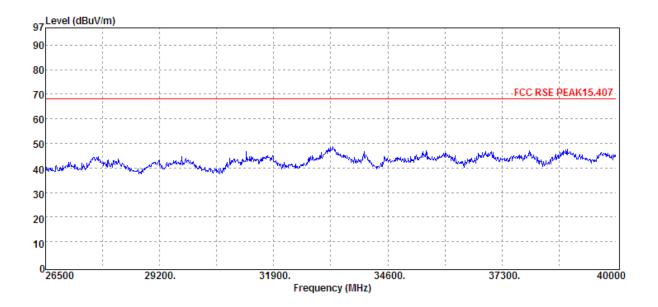
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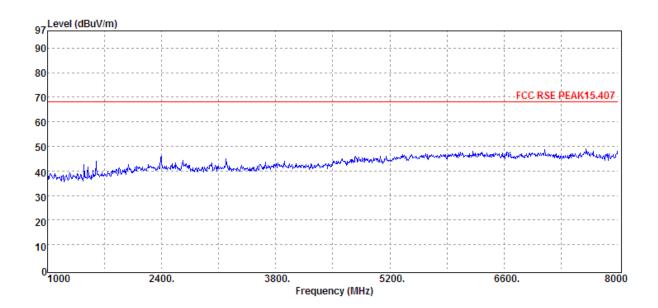
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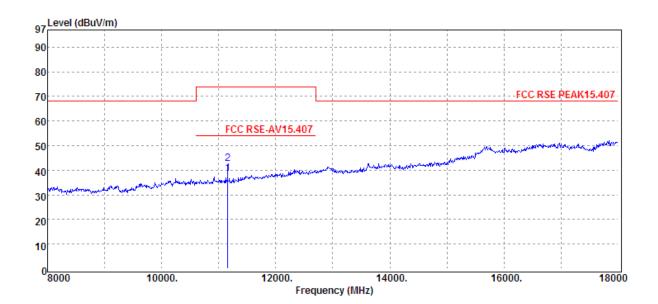
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5580 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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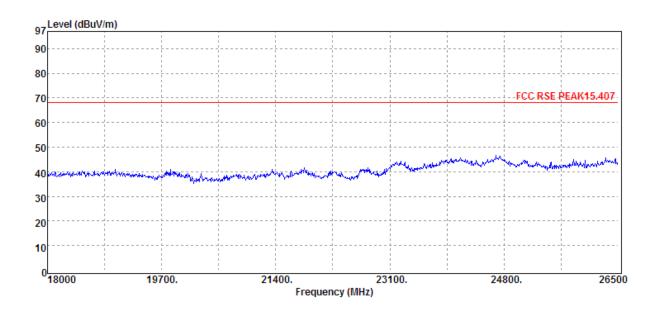
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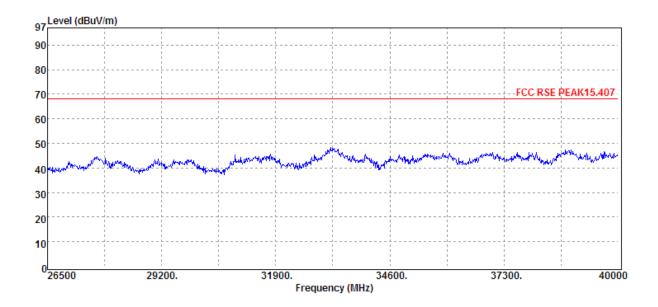
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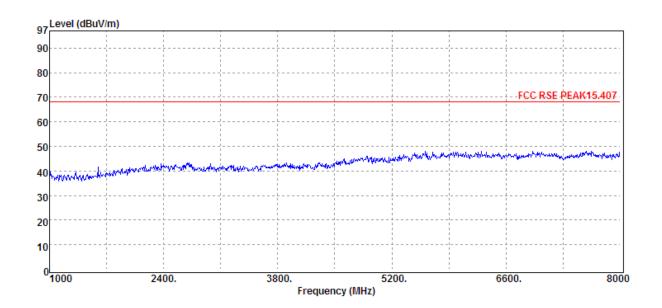
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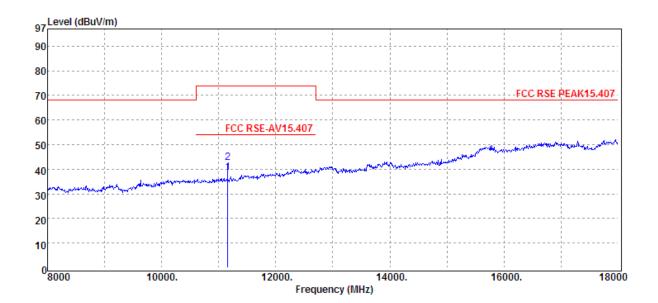
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5580 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

Measurement Antenna Pol. :HORIZONTAL





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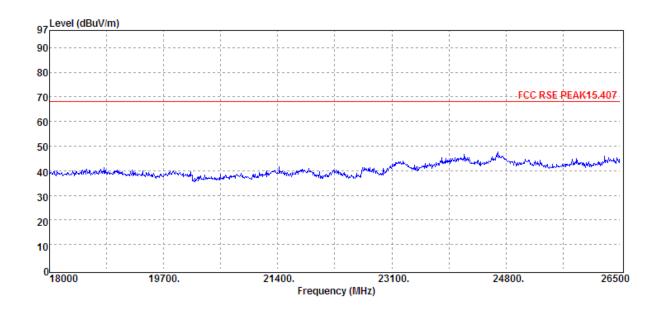
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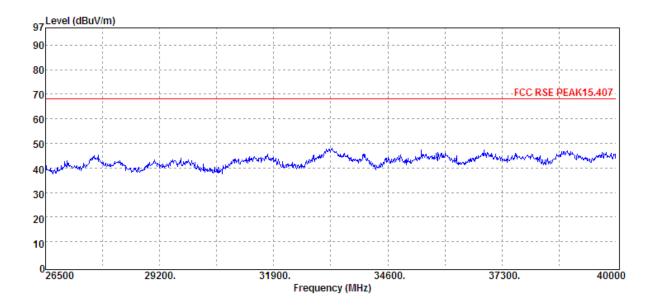
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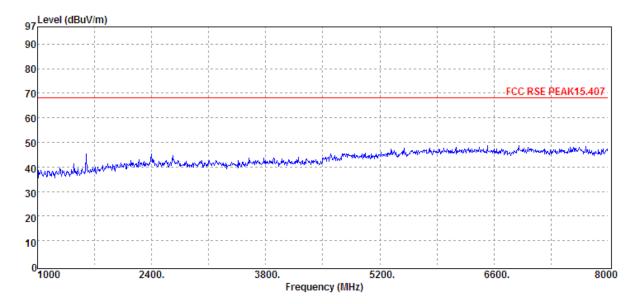
Operation Band Fundamental Frequency Operation Mode EUT Pol.

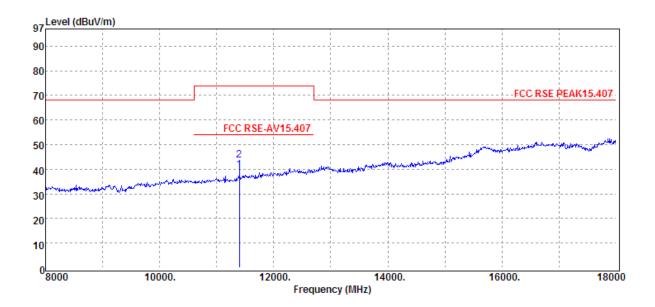
:802.11n20M :5700 MHz :TX HIGH :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL Measurement Antenna Pol.





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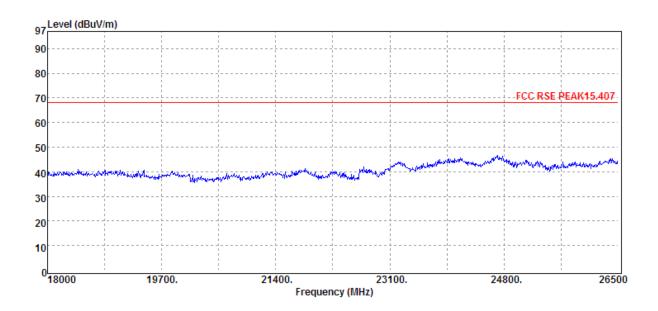
t (886-2) 2299-3279

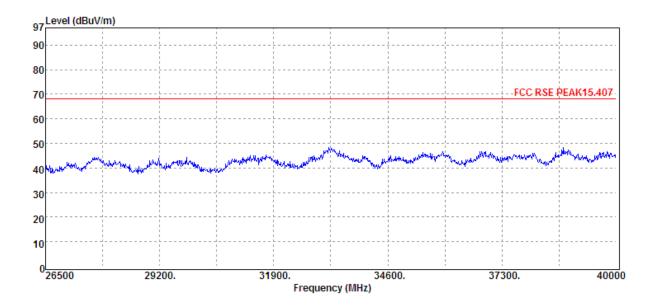
f (886-2) 2298-0488



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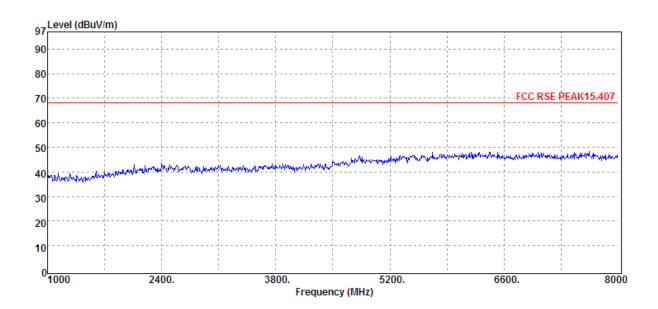
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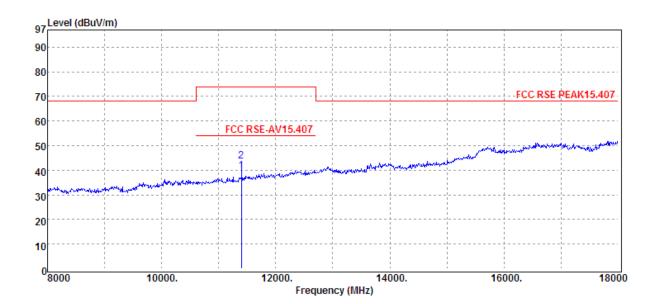
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n20M :5700 MHz :TX HIGH :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

Measurement Antenna Pol. :HORIZONTAL





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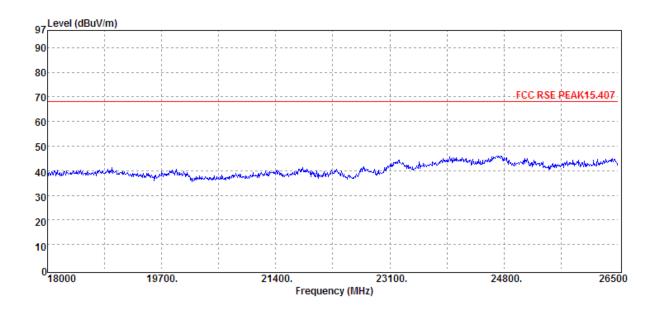
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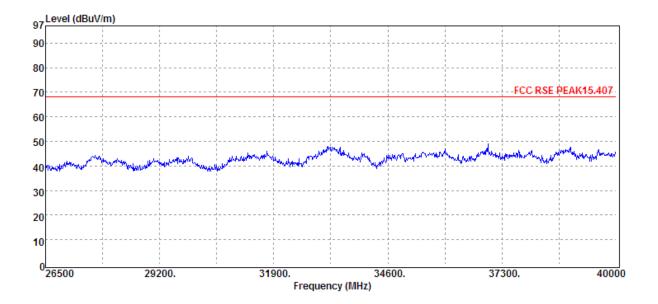
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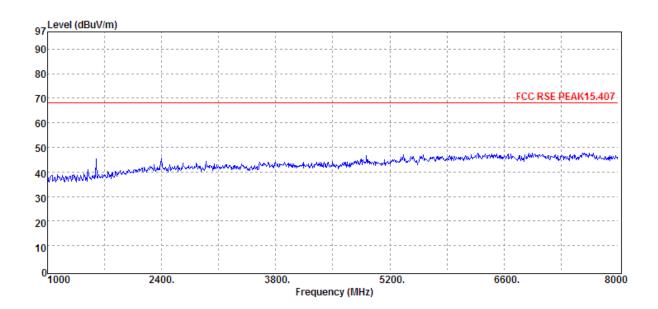
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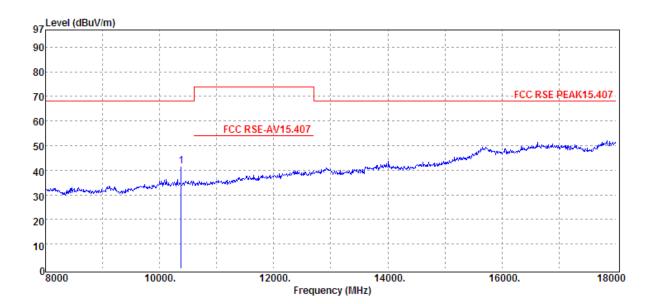
802.11n HT40MHz 5150-5250MHz

Operation Band :802.11n40M Test Date :2014-03-19 :5190 MHz Fundamental Frequency Temp./Humi. :23deg_C/52RH

Operation Mode Engineer :TX LOW :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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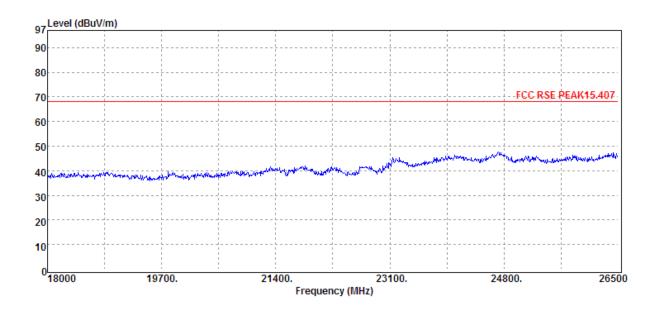
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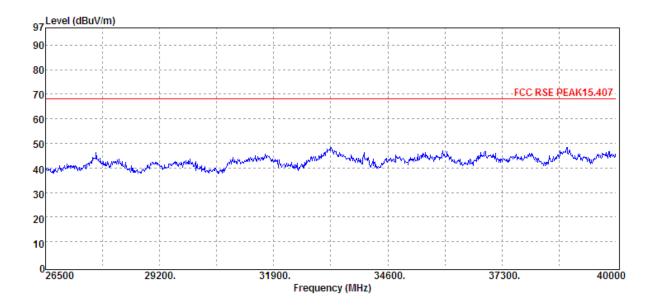
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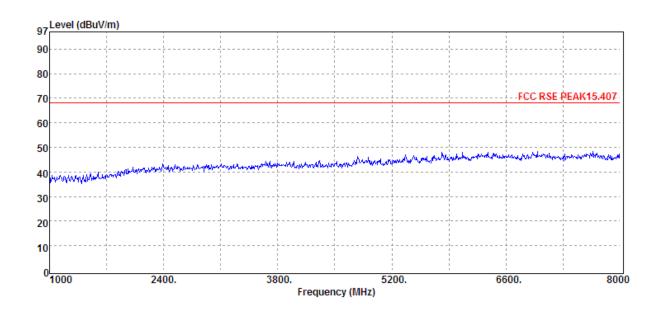
Operation Band Fundamental Frequency Operation Mode EUT Pol.

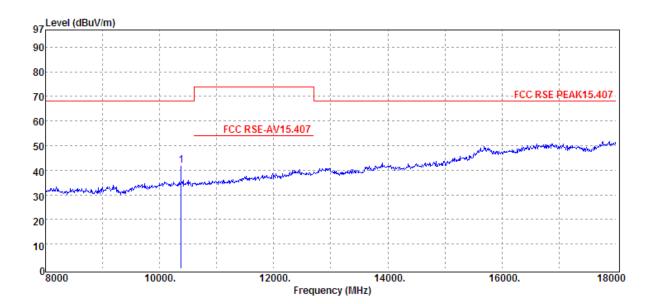
:802.11n40M :5190 MHz :TX LOW :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH

Engineer :Allan

Measurement Antenna Pol. :HORIZONTAL





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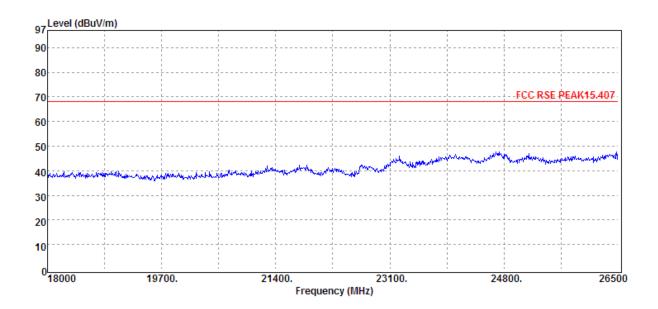
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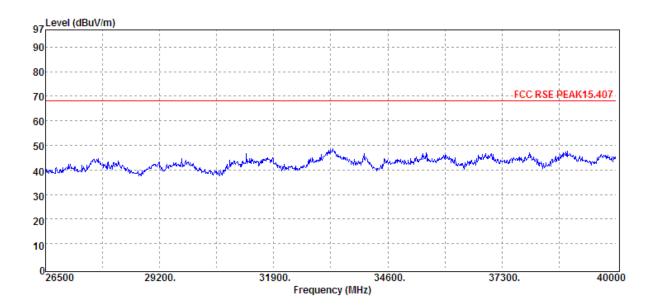
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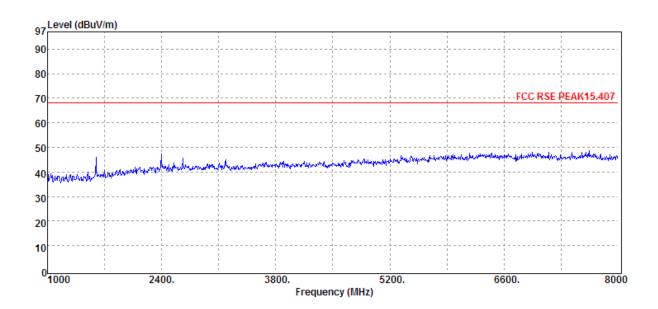
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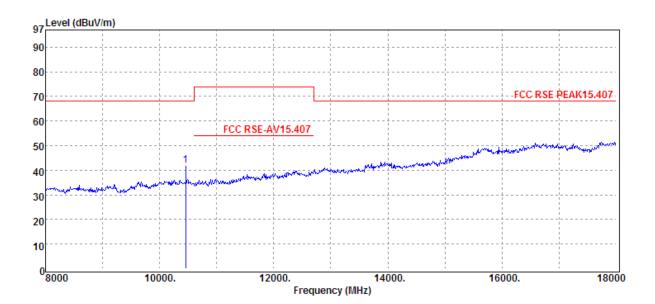
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5230 MHz :TX HIGH :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





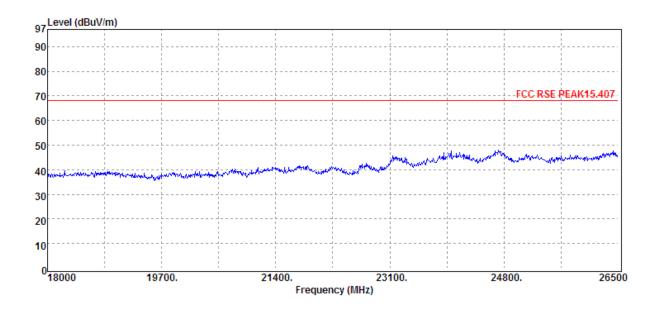
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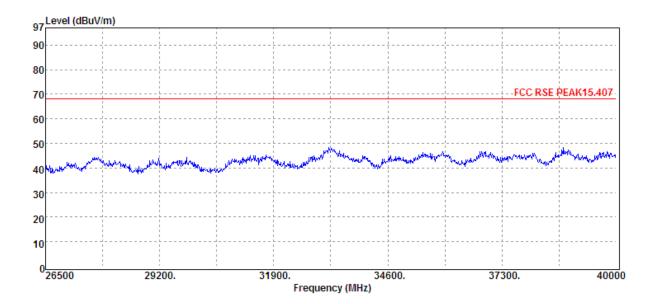
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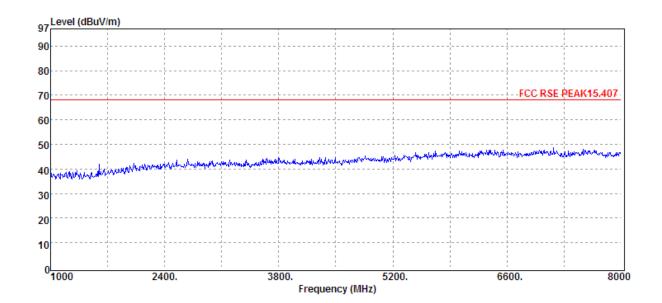


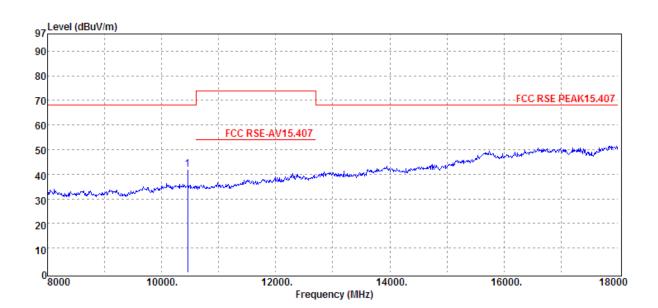
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Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5230 MHz Temp./Humi. :23deg_C/52RH

Operation Mode Engineer :TX HIGH EUT Pol. :H Plan Measurement Antenna Pol. :HORIZONTAL





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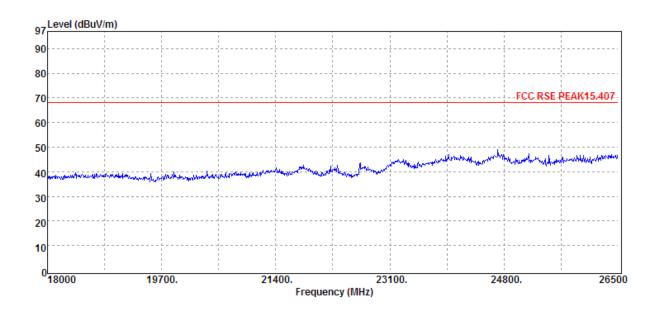
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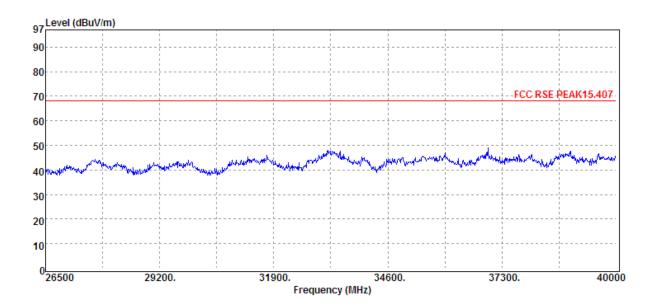
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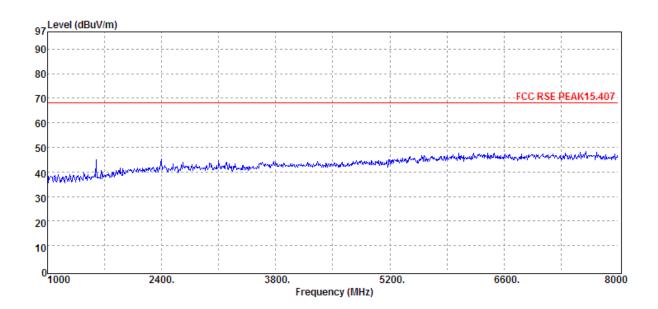
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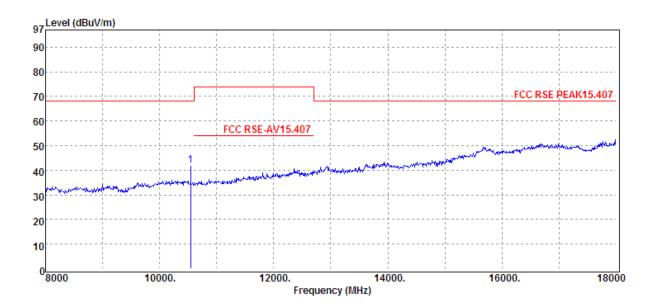
802.11n HT40MHz 5250-5350MHz

Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5270 MHz Temp./Humi. :23deg_C/52RH

Operation Mode Engineer :TX LOW :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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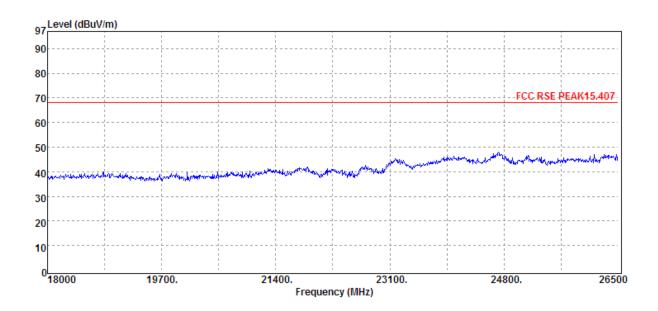
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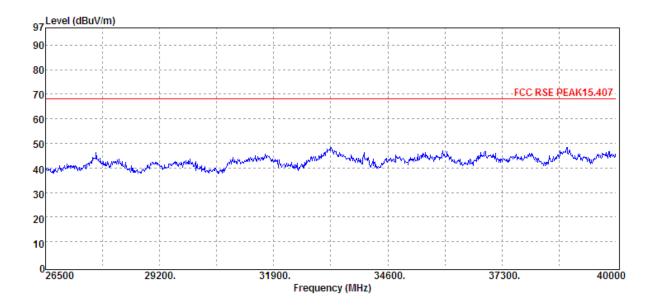
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

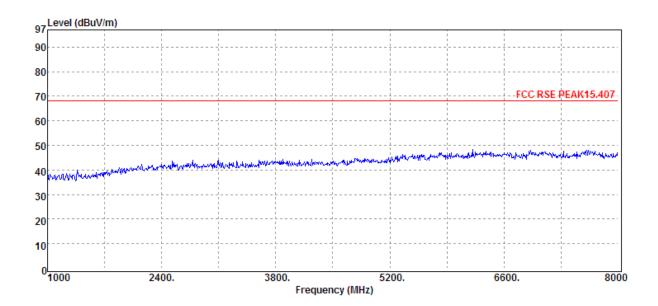
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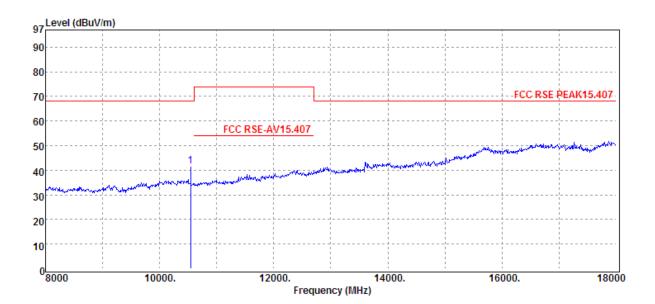
Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan

Measurement Antenna Pol. :HORIZONTAL





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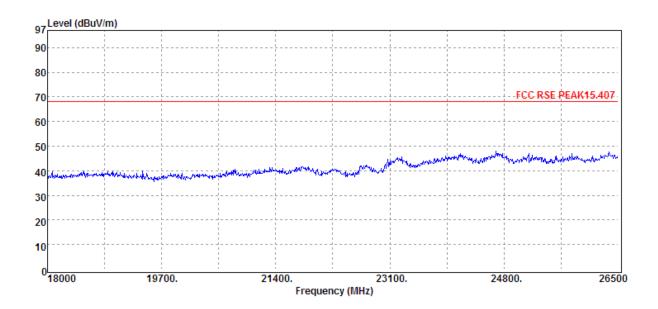
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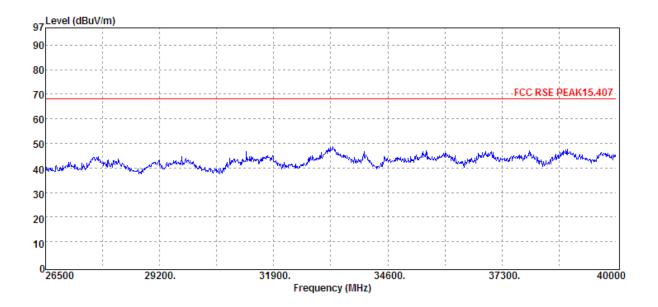
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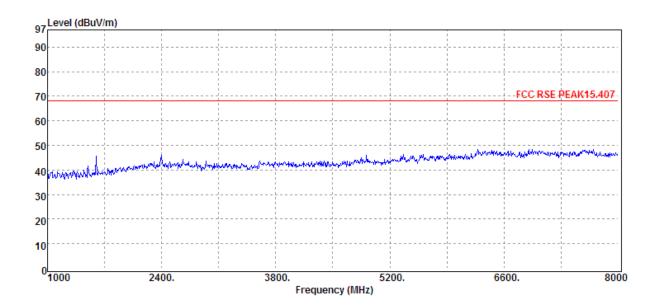
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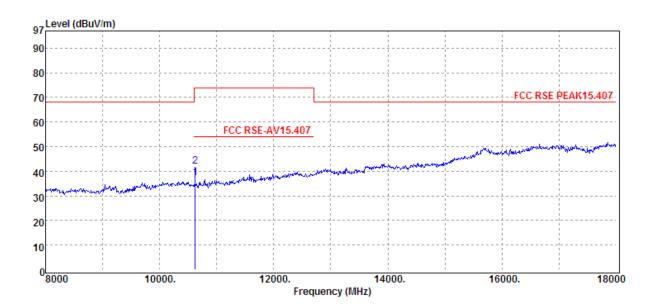
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5310 MHz :TX HIGH :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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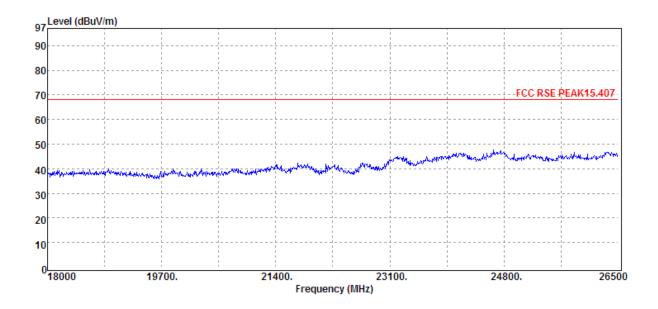
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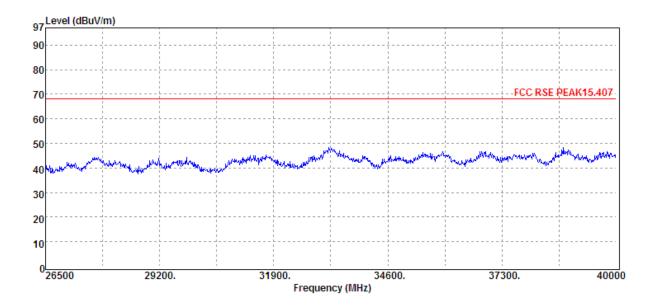
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

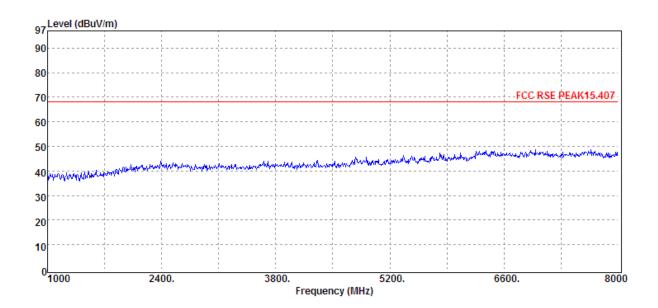
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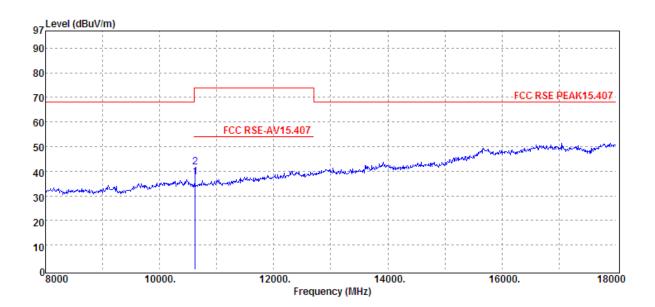
Test Date Temp./Humi. Engineer

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:Allan

Measurement Antenna Pol. :HORIZONTAL





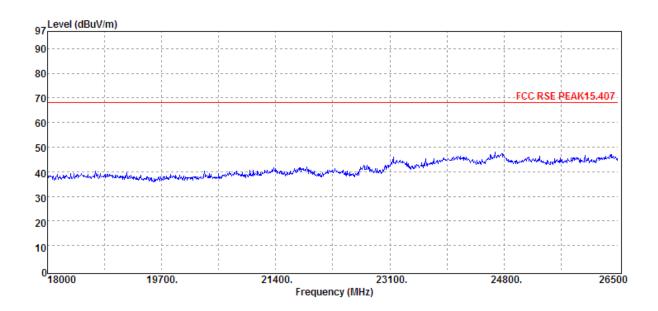
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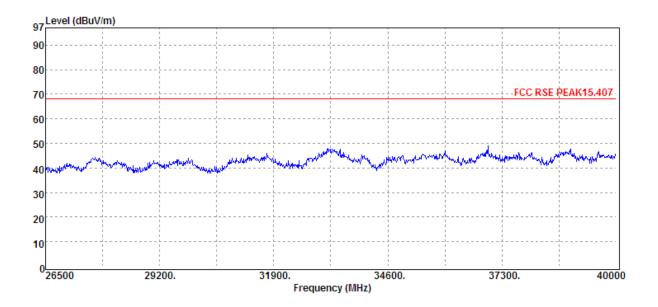
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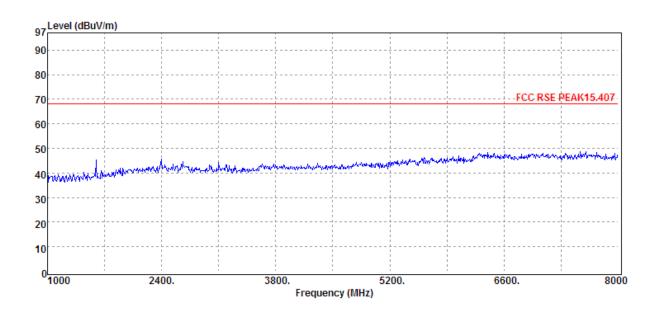
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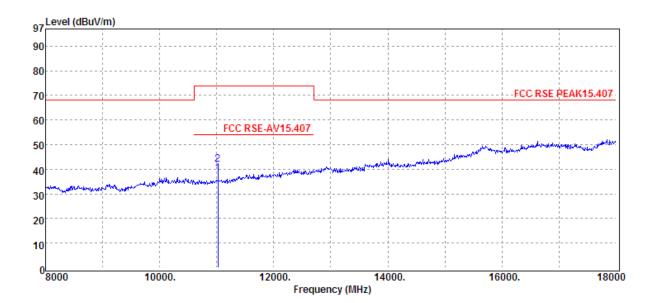
802.11n HT40MHz 5470-5725MHz

Operation Band :802.11n40M Test Date :2014-03-19 Fundamental Frequency :5510 MHz Temp./Humi. :23deg_C/52RH

Operation Mode Engineer :TX LOW :Allan

EUT Pol. :VERTICAL :H Plan Measurement Antenna Pol.





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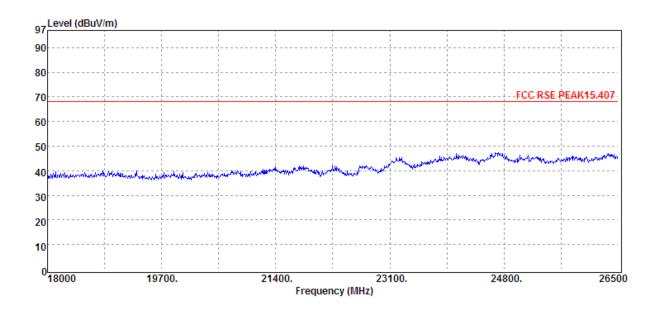
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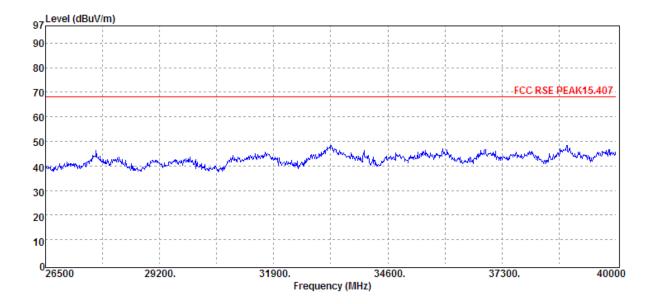
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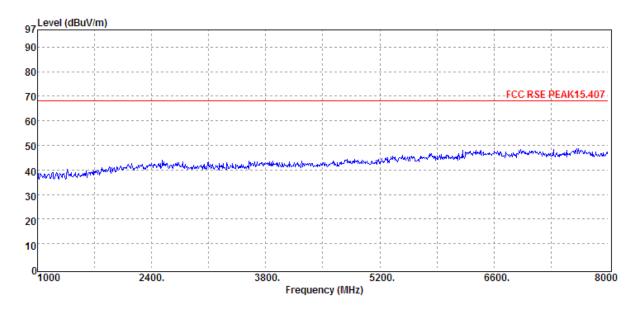
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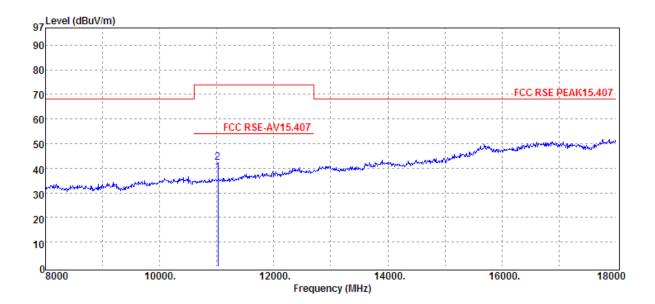
:802.11n40M :5510 MHz :TX LOW :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

Measurement Antenna Pol. :HORIZONTAL





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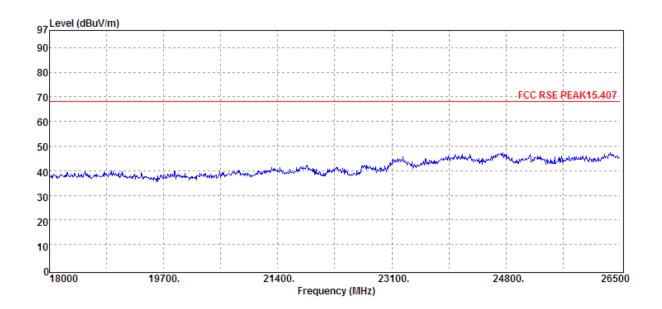
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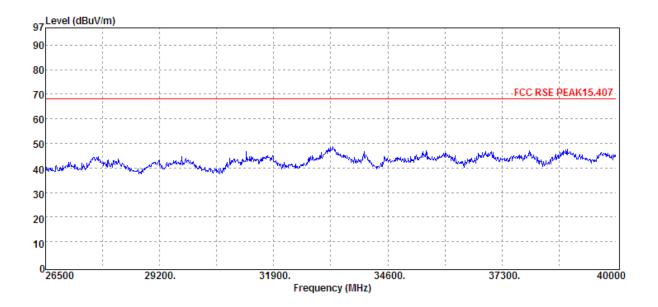
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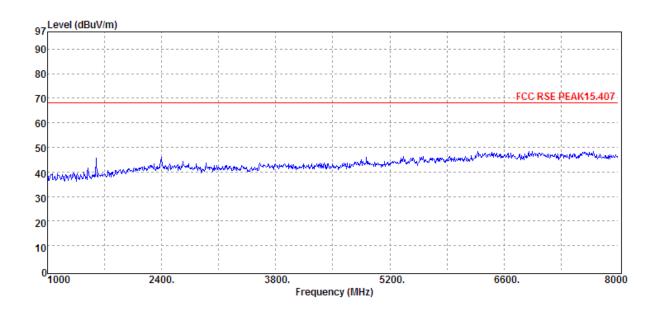
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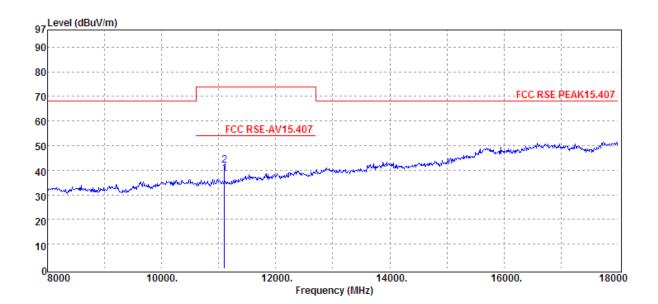
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5550 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

:VERTICAL Measurement Antenna Pol.





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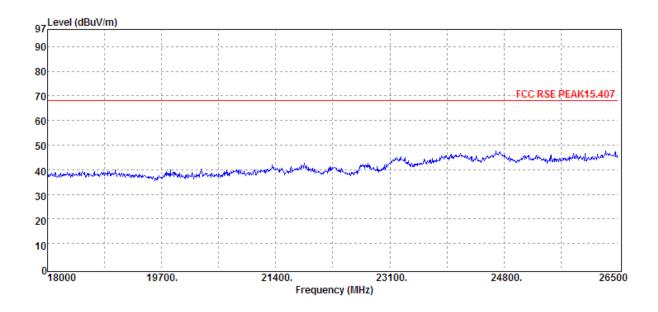
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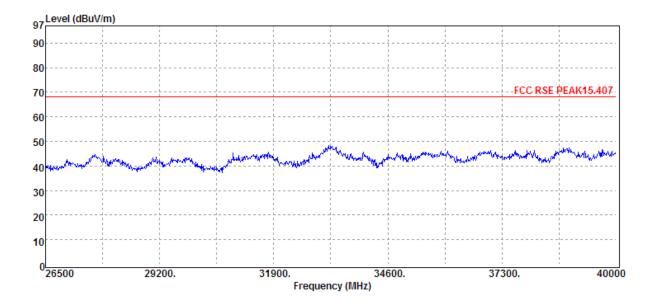
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f (886-2) 2298-0488



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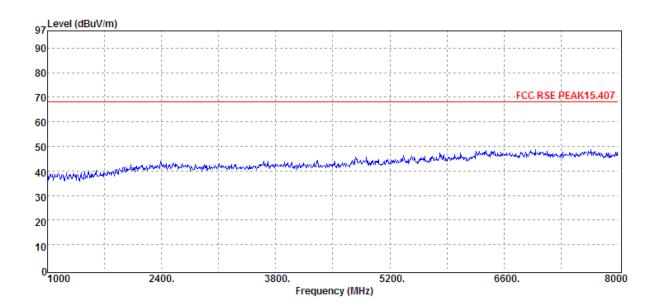
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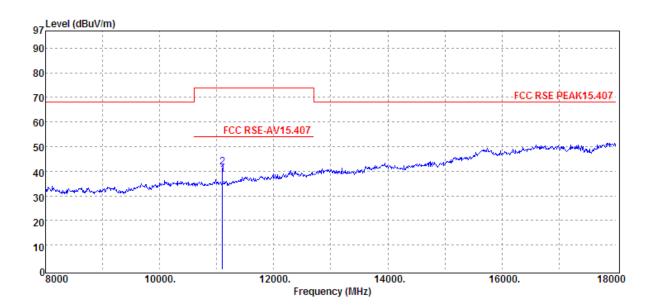
Operation Band Fundamental Frequency Operation Mode EUT Pol.

:802.11n40M :5550 MHz :TX MID :H Plan

Test Date :2014-03-19 Temp./Humi. :23deg_C/52RH Engineer :Allan

Measurement Antenna Pol. :HORIZONTAL





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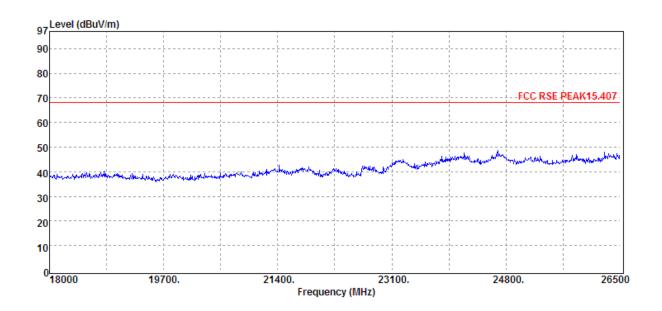
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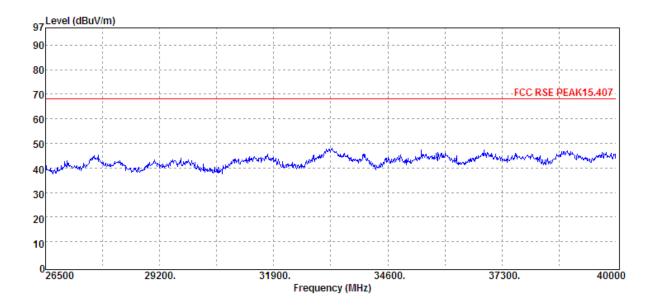
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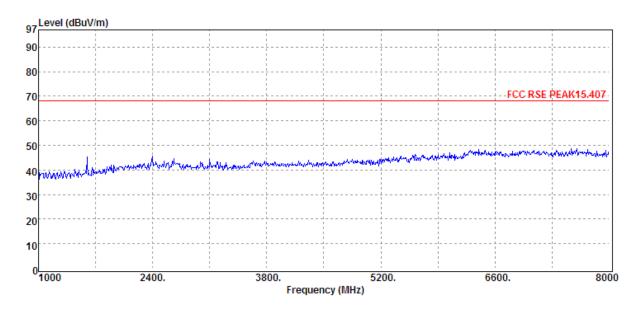
Operation Band Fundamental Frequency Operation Mode EUT Pol.

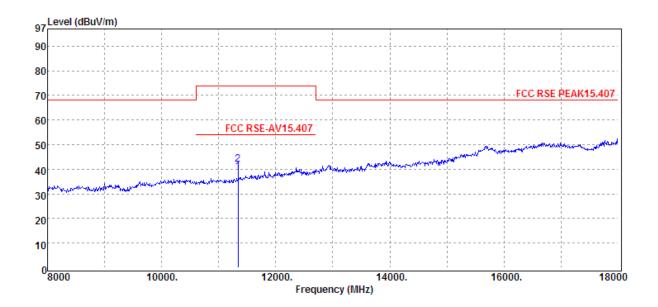
:802.11n40M :5670 MHz :TX HIGH :H Plan

Test Date Temp./Humi. Engineer

:2014-03-19 :23deg_C/52RH

:Allan :VERTICAL Measurement Antenna Pol.





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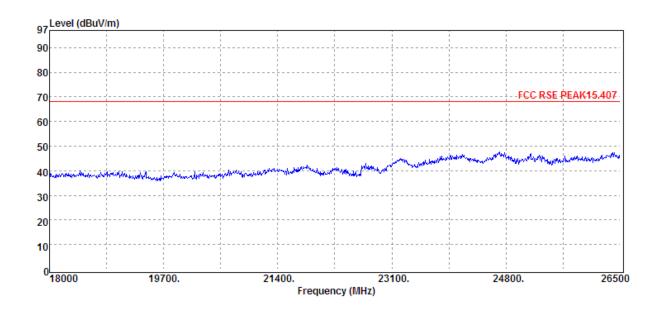
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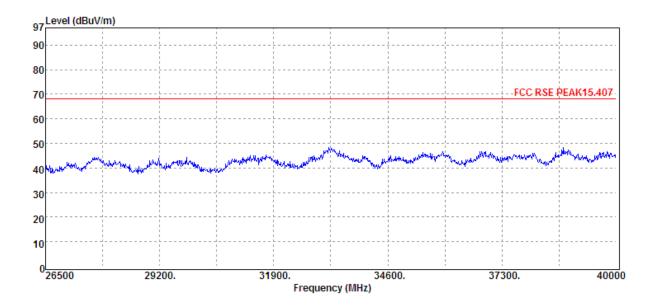
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Operation Band Fundamental Frequency Operation Mode EUT Pol.

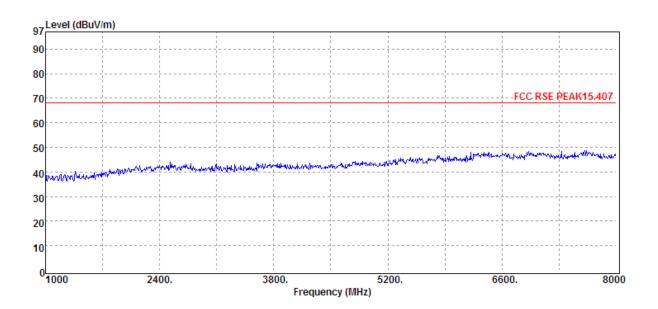
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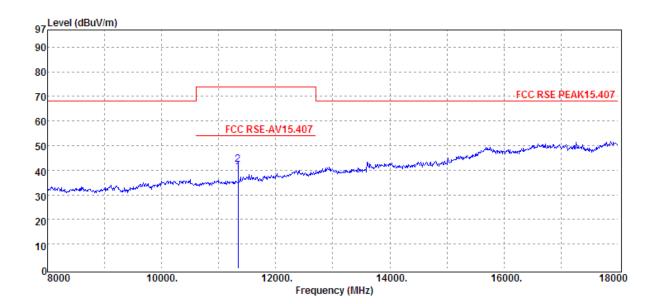
Test Date Temp./Humi. Engineer

:23deg_C/52RH :Allan

:2014-03-19

Measurement Antenna Pol. :HORIZONTAL





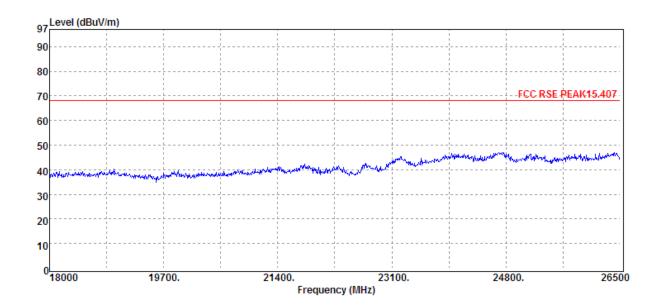
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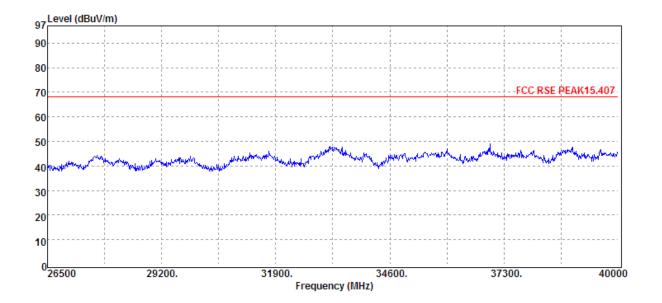
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~ End of Report ~

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