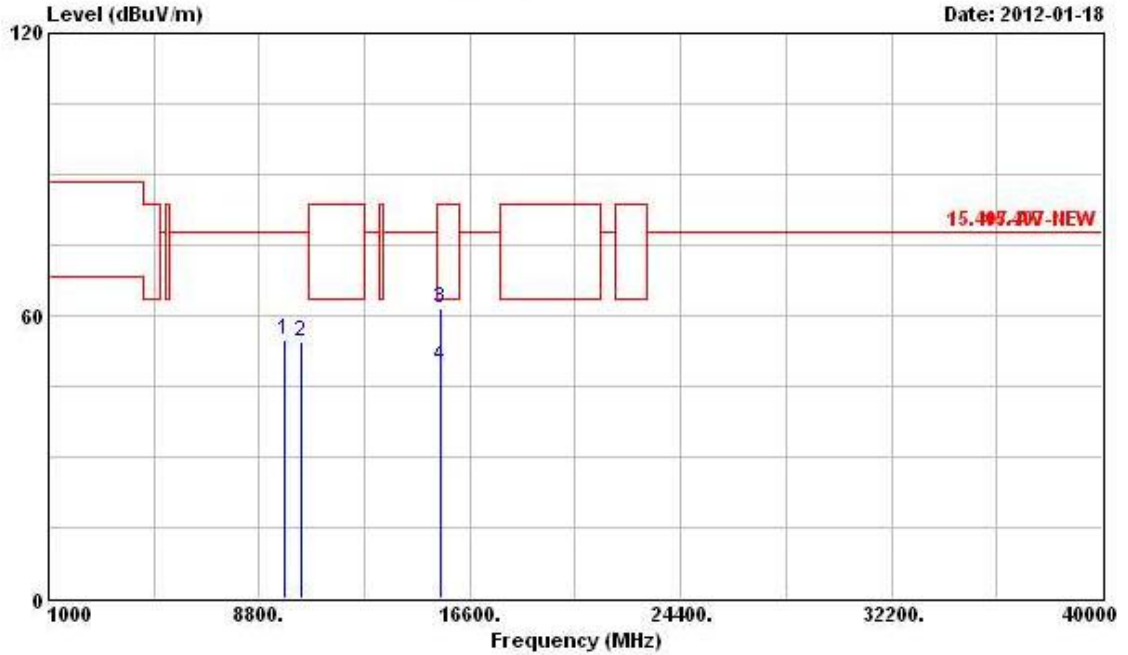


3.6.9 Results for Radiated Emissions (1GHz~40GHz)

For Single Chain:

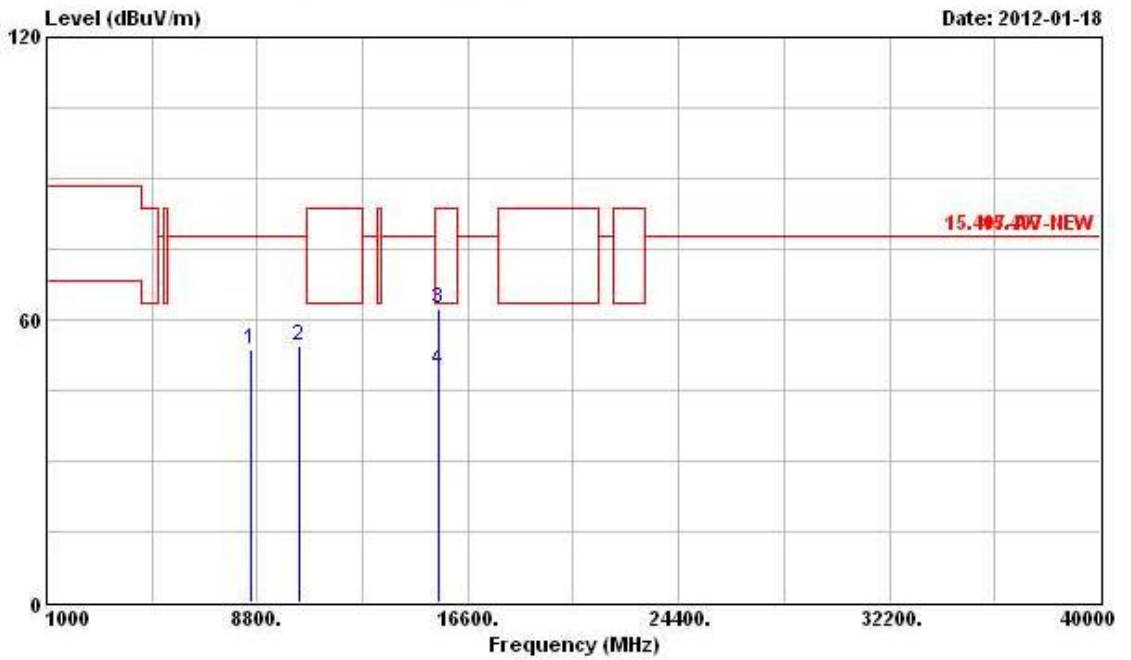
Final Test Date	Jan. 18, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 36

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable Preamp	Loss Factor	Preamp	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9750.000	54.90	-22.94	77.84	44.51	39.51	6.36	35.48	Peak	---	---
2	10360.000	54.52	-23.32	77.84	43.01	40.02	6.71	35.22	Peak	---	---
3	15540.000	61.55	-21.99	83.54	45.32	42.81	8.45	35.03	Peak	---	---
4	15540.000	49.33	-14.21	63.54	33.10	42.81	8.45	35.03	Average	---	---

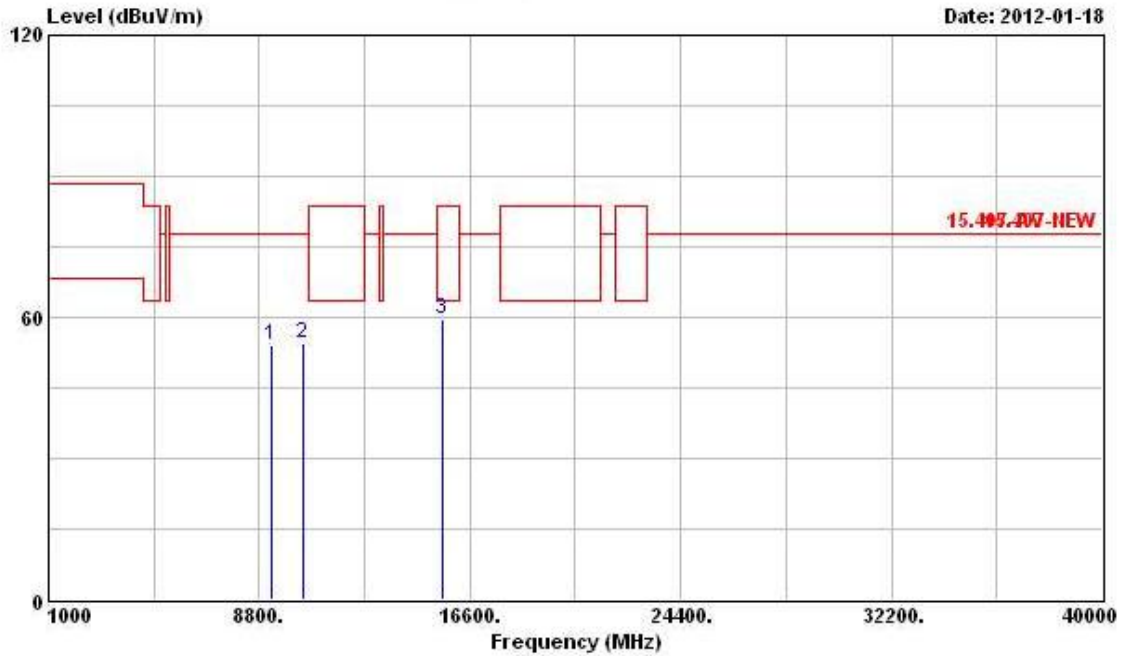
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8550.000	53.65	-24.19	77.84	44.47	38.46	5.97	35.25	Peak	---	---
2	10360.000	54.46	-23.38	77.84	42.95	40.02	6.71	35.22	Peak	---	---
3	15540.000	62.34	-21.20	83.54	46.11	42.81	8.45	35.03	Peak	---	---
4	15540.000	49.39	-14.15	63.54	33.16	42.81	8.45	35.03	Average	---	---

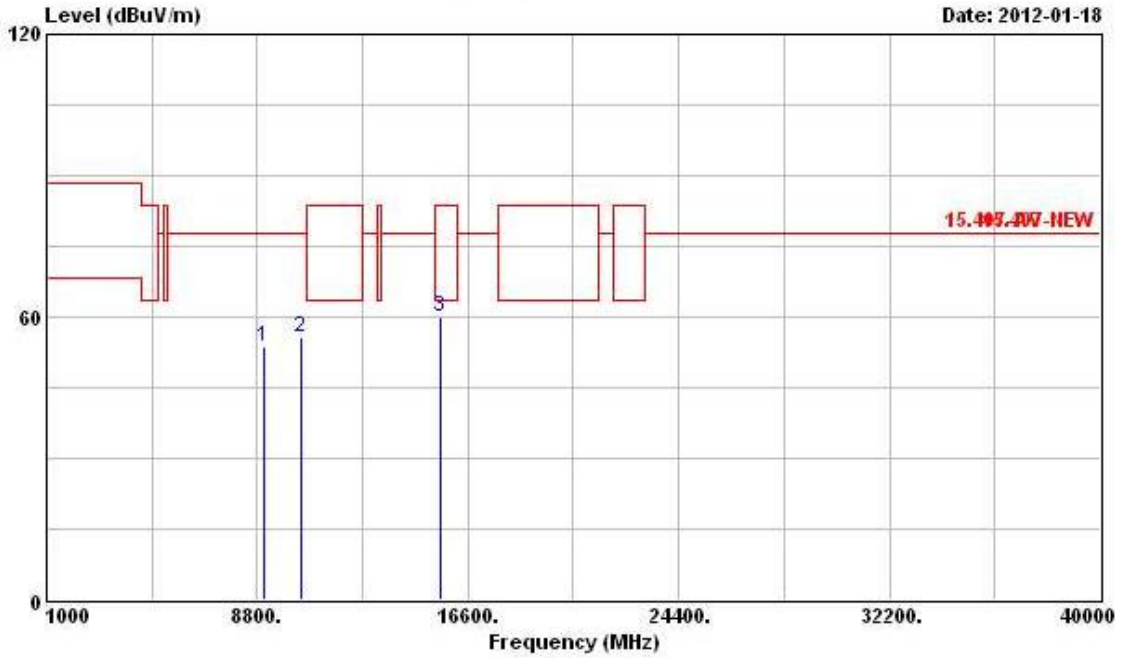
Final Test Date	Jan. 18, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 40

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9220.000	54.04	-23.80	77.84	44.60	38.59	6.23	35.38	PK	---	---
2	10400.000	54.63	-23.21	77.84	43.02	40.04	6.75	35.18	Peak	---	---
3	15600.000	59.76	-3.78	63.54	43.59	42.82	8.45	35.10	PK	---	---

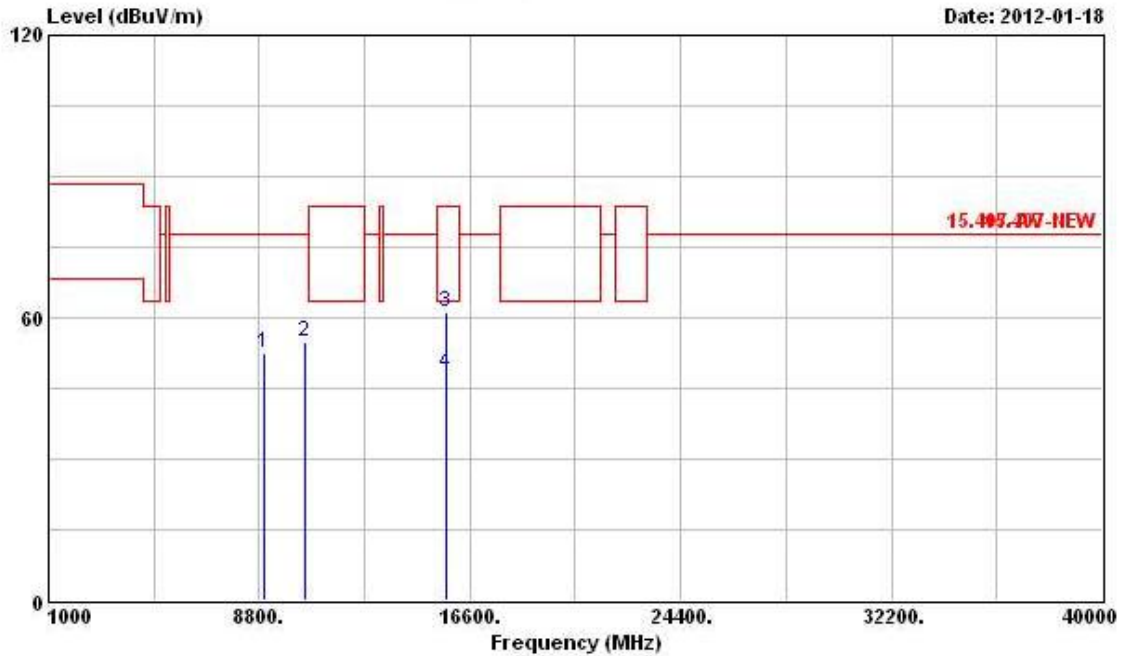
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9070.000	53.74	-24.10	77.84	44.64	38.25	6.18	35.33	PK	---	---
2	10400.000	55.56	-22.28	77.84	43.95	40.04	6.75	35.18	Peak	---	---
3	15600.000	59.92	-3.62	63.54	43.75	42.82	8.45	35.10	PK	---	---

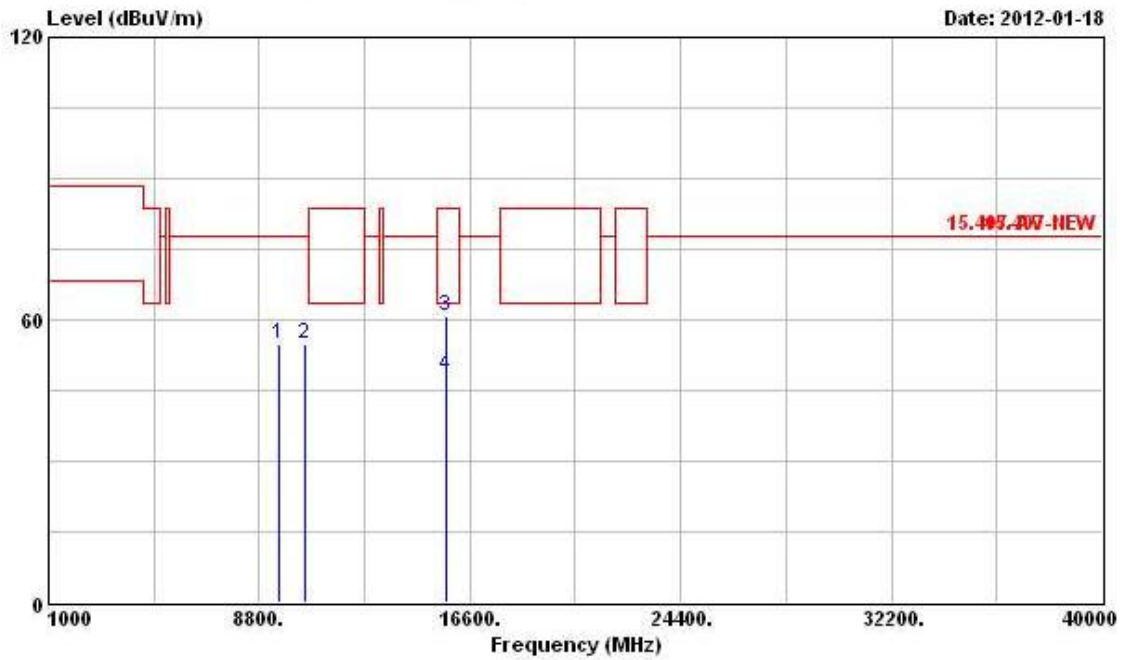
Final Test Date	Jan. 18, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 48

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8980.000	52.63	-25.21	77.84	43.66	38.13	6.16	35.32	Peak	---	---
2	10480.000	54.80	-23.04	77.84	43.01	40.09	6.82	35.12	Peak	---	---
3	15720.000	61.38	-22.16	83.54	45.28	42.84	8.46	35.20	Peak	---	---
4	15720.000	48.17	-15.37	63.54	32.07	42.84	8.46	35.20	Average	---	---

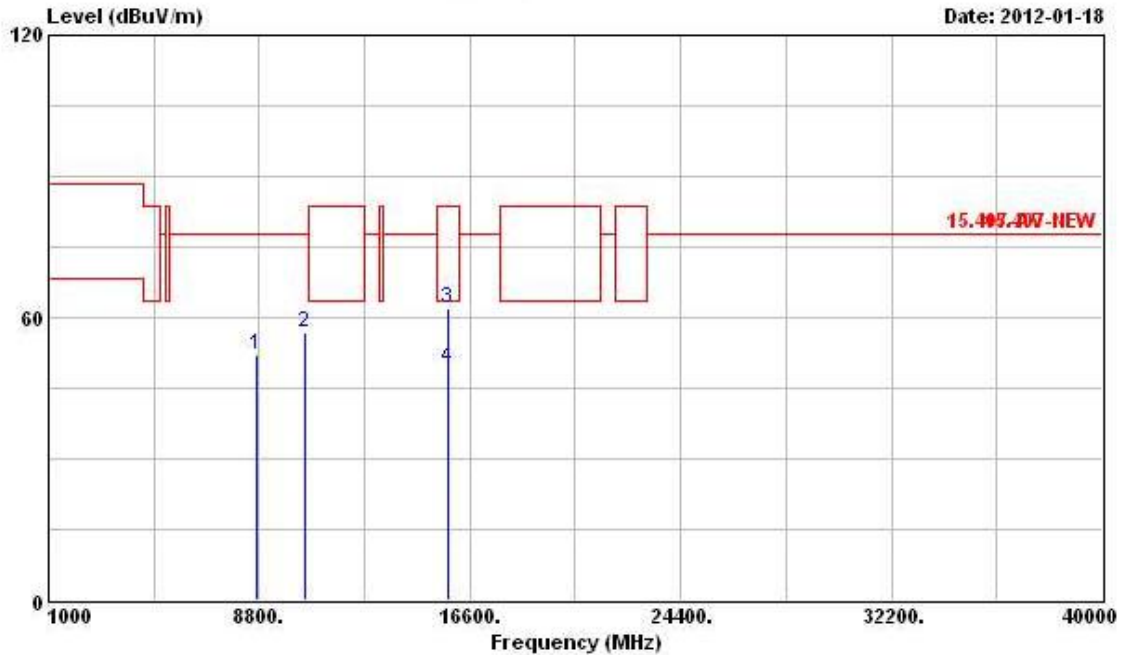
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9500.000	54.68	-23.16	77.84	44.62	39.20	6.32	35.46	PK	---	---
2	10480.000	55.01	-22.83	77.84	43.22	40.09	6.82	35.12	Peak	---	---
3	15720.000	60.78	-22.76	83.54	44.68	42.84	8.46	35.20	Peak	---	---
4	15720.000	48.24	-15.30	63.54	32.14	42.84	8.46	35.20	Average	---	---

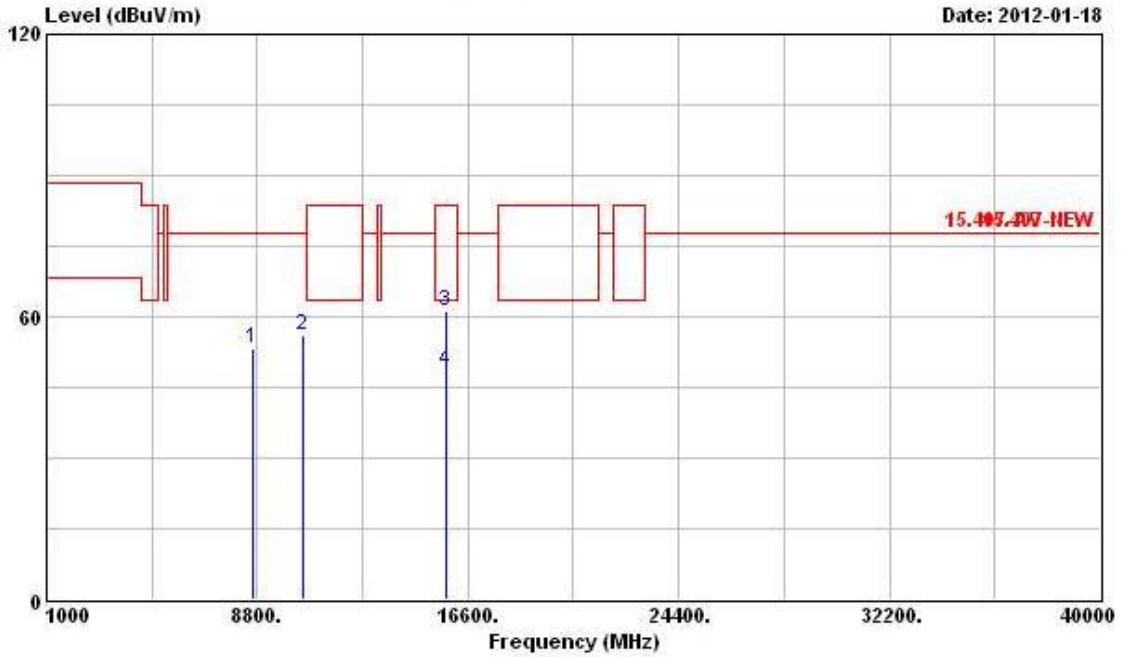
Final Test Date	Jan. 18, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 52

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8700.000	52.06	-25.78	77.84	42.97	38.34	6.02	35.27	Peak	---	---
2	10520.000	56.97	-20.87	77.84	45.11	40.11	6.85	35.10	Peak	---	---
3	15780.000	61.79	-21.75	83.54	45.75	42.86	8.46	35.28	Peak	---	---
4	15780.000	49.18	-14.36	63.54	33.14	42.86	8.46	35.28	Average	---	---

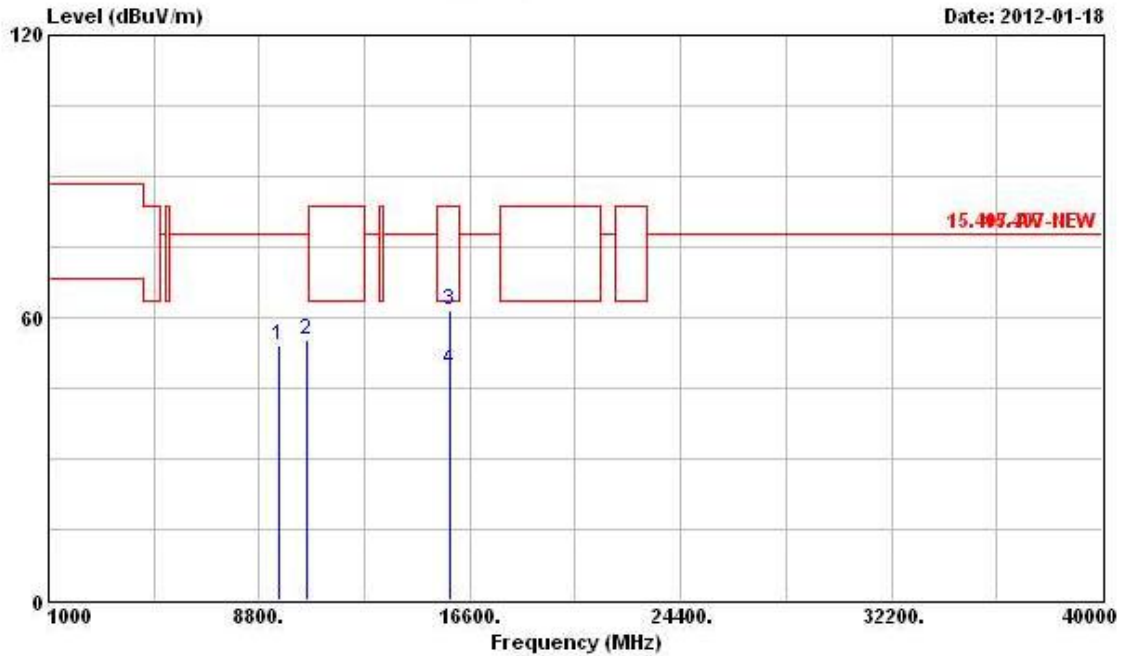
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8620.000	53.12	-24.72	77.84	43.98	38.41	5.99	35.26	Peak	---	---
2	10520.000	56.17	-21.67	77.84	44.31	40.11	6.85	35.10	Peak	---	---
3	15780.000	61.00	-22.54	83.54	44.96	42.86	8.46	35.28	Peak	---	---
4	15780.000	48.43	-15.11	63.54	32.39	42.86	8.46	35.28	Average	---	---

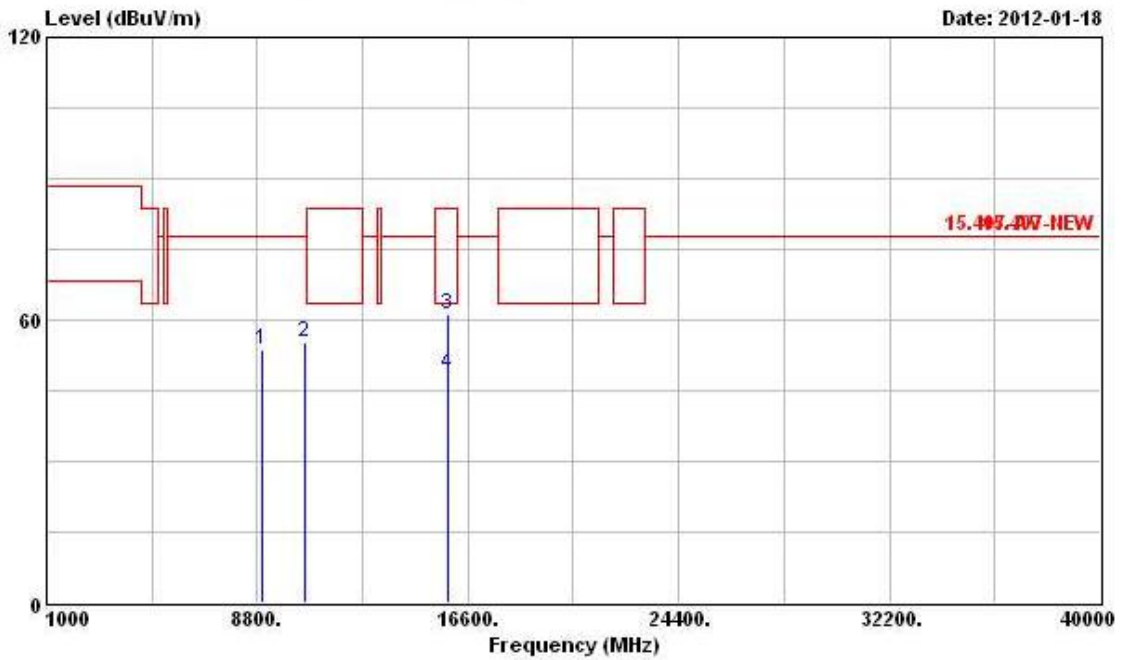
Final Test Date	Jan. 18, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 56

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9530.000	54.04	-23.80	77.84	43.93	39.24	6.33	35.46	Peak	---	---
2	10560.000	55.07	-22.77	77.84	43.12	40.13	6.88	35.06	Peak	---	---
3	15840.000	61.39	-22.15	83.54	45.39	42.87	8.46	35.33	Peak	---	---
4	15840.000	48.76	-14.78	63.54	32.76	42.87	8.46	35.33	Average	---	---

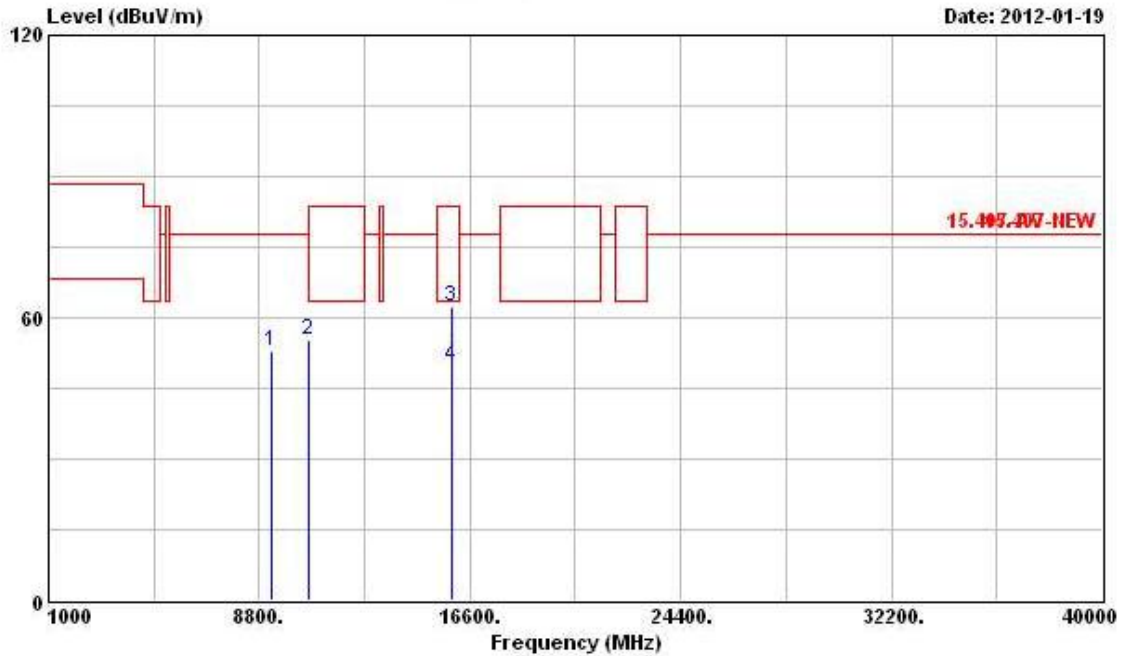
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8980.000	53.58	-24.26	77.84	44.61	38.13	6.16	35.32	Peak	---	---
2	10560.000	55.33	-22.51	77.84	43.38	40.13	6.88	35.06	Peak	---	---
3	15840.000	61.31	-22.23	83.54	45.31	42.87	8.46	35.33	Peak	---	---
4	15840.000	48.72	-14.82	63.54	32.72	42.87	8.46	35.33	Average	---	---

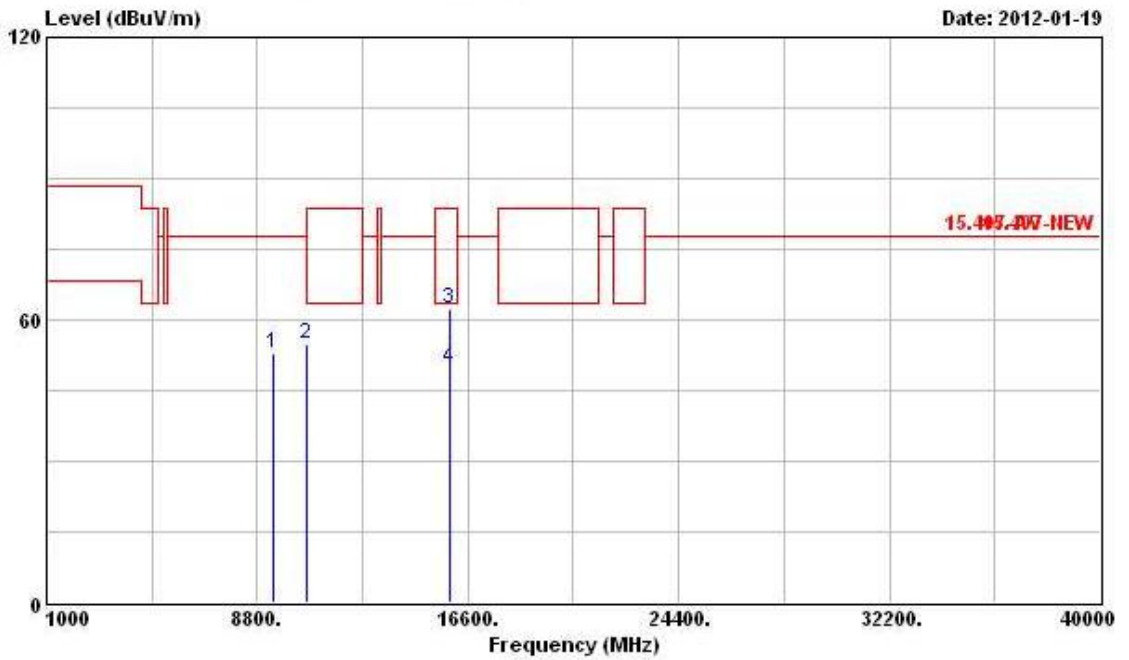
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 64

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9230.000	53.05	-24.79	77.84	43.62	38.59	6.23	35.39	Peak	---	---
2	10640.000	55.42	-8.12	63.54	43.31	40.18	6.93	35.00	PK	---	---
3	15960.000	62.40	-21.14	83.54	46.49	42.89	8.47	35.45	Peak	---	---
4	15960.000	49.79	-13.75	63.54	33.88	42.89	8.47	35.45	Average	---	---

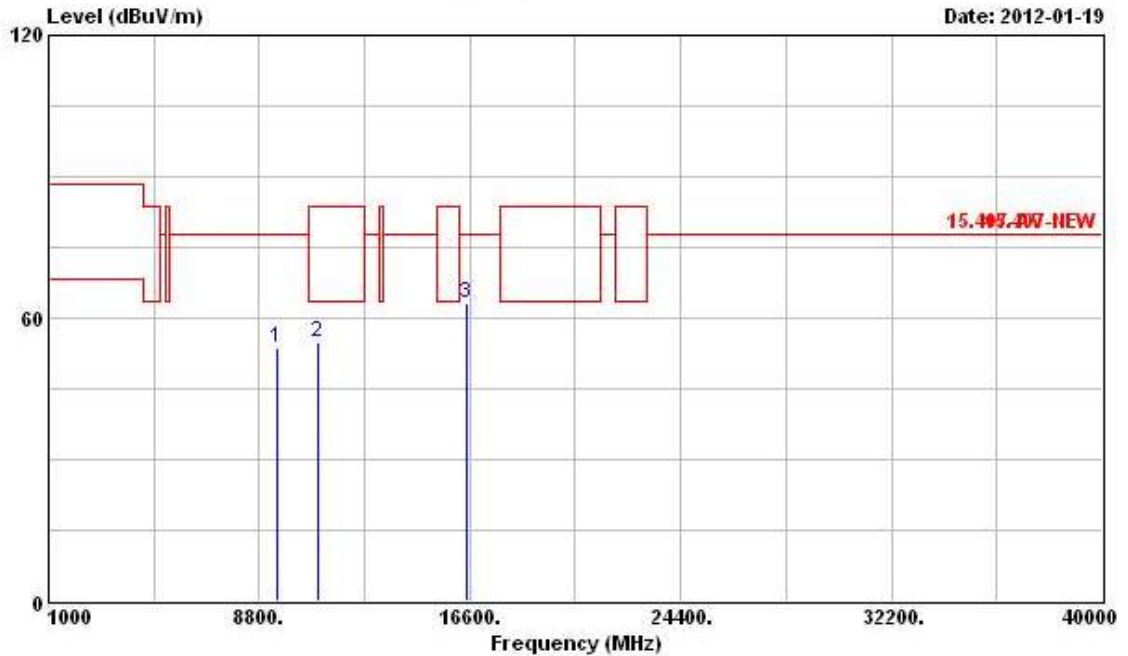
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9390.000	52.97	-24.87	77.84	43.15	38.97	6.28	35.43	PK	---	---
2	10640.000	55.03	-8.51	63.54	42.92	40.18	6.93	35.00	PK	---	---
3	15960.000	62.38	-21.16	83.54	46.47	42.89	8.47	35.45	Peak	---	---
4	15960.000	49.84	-13.70	63.54	33.93	42.89	8.47	35.45	Average	---	---

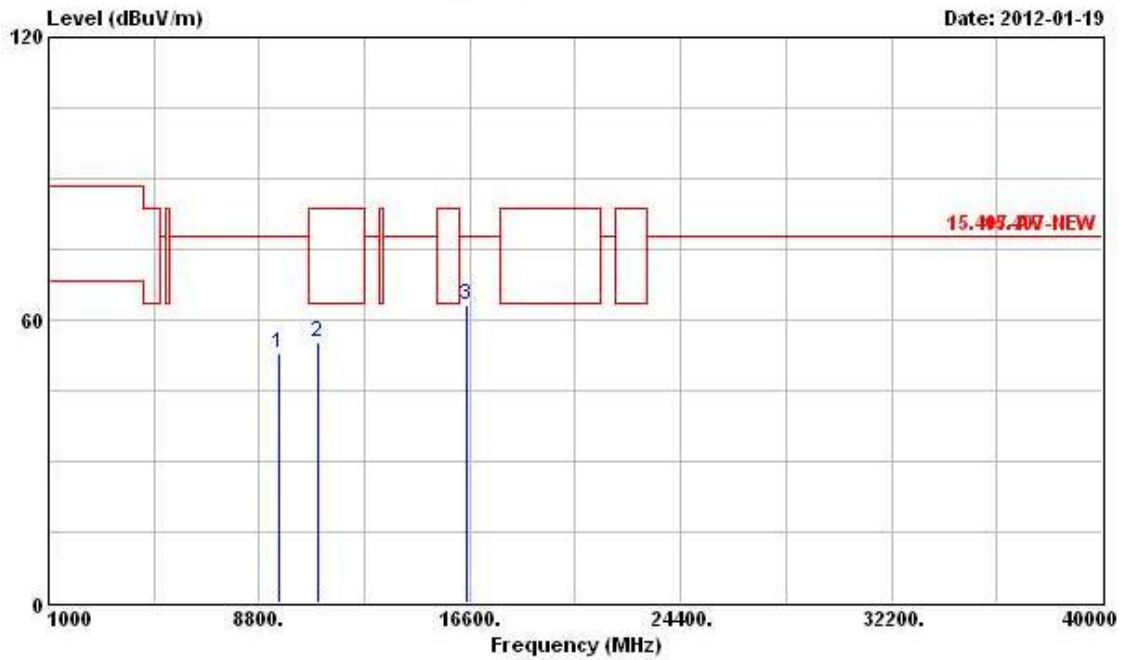
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 100

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9470.000	53.49	-24.35	77.84	43.51	39.12	6.31	35.45	PK	---	---
2	11000.000	55.05	-8.49	63.54	42.20	40.40	7.17	34.72	PK	---	---
3	16500.000	63.17	-14.67	77.84	46.42	43.50	8.24	34.99	Peak	---	---

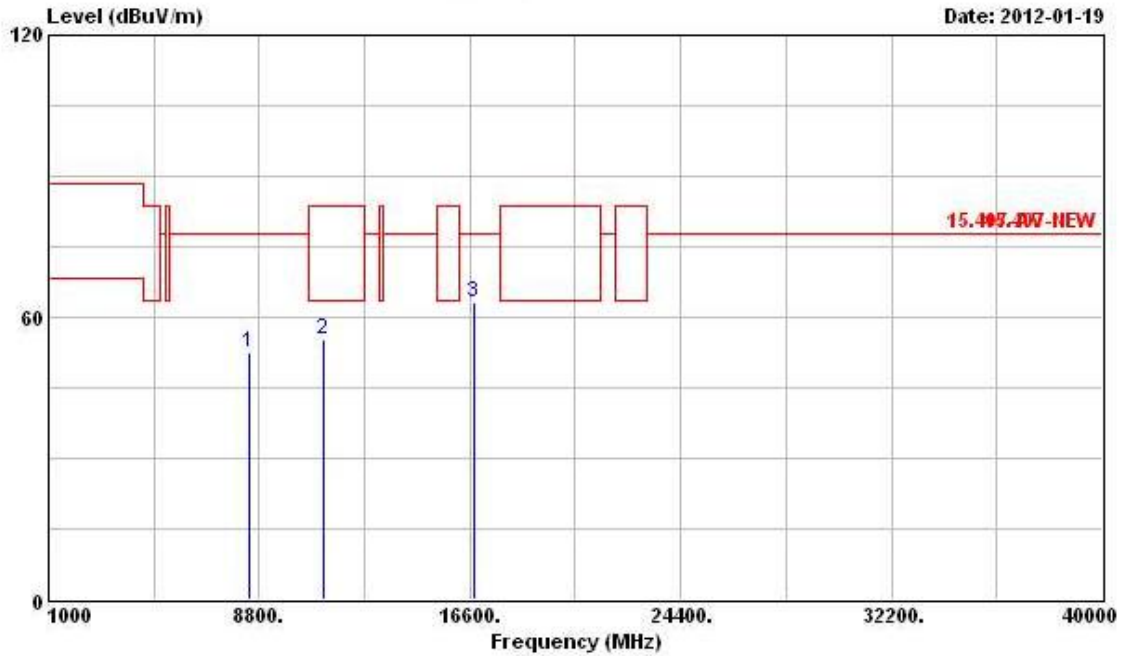
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9530.000	52.92	-24.92	77.84	42.81	39.24	6.33	35.46	Peak	---	---
2	11000.000	55.20	-8.34	63.54	42.35	40.40	7.17	34.72	PK	---	---
3	16500.000	63.09	-14.75	77.84	46.34	43.50	8.24	34.99	Peak	---	---

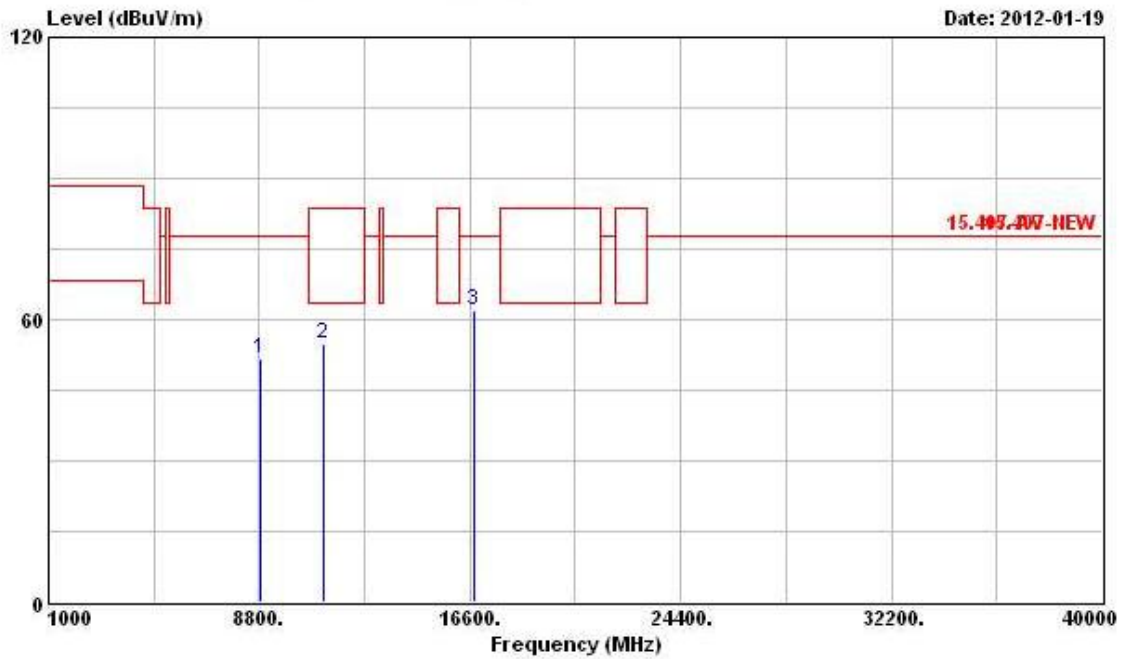
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 116

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8450.000	52.63	-25.21	77.84	43.47	38.47	5.93	35.24	PK	---	---
2	11160.000	55.34	-8.20	63.54	42.63	40.47	6.96	34.72	PK	---	---
3	16740.000	63.06	-14.78	77.84	45.50	43.60	8.47	34.51	Peak	---	---

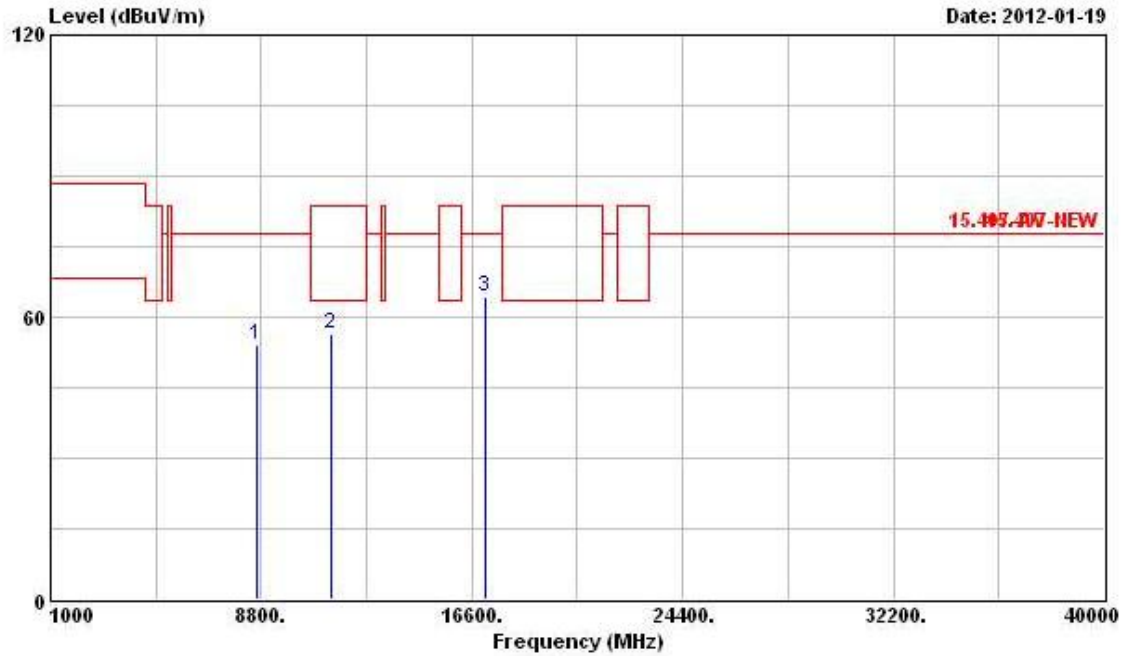
Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8840.000	51.66	-26.18	77.84	42.63	38.23	6.09	35.29	Peak	---	---
2	11160.000	54.97	-8.57	63.54	42.26	40.47	6.96	34.72	PK	---	---
3	16740.000	62.03	-15.81	77.84	44.47	43.60	8.47	34.51	Peak	---	---

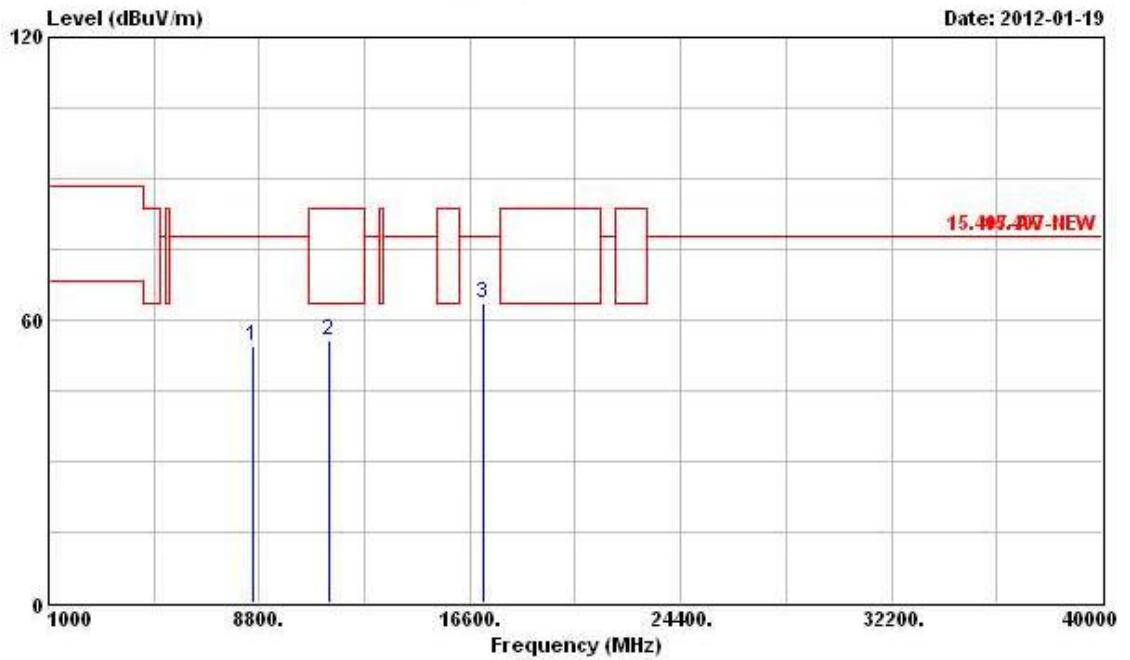
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 140

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8615.000	54.03	-23.81	77.84	44.89	38.41	5.99	35.26	Peak	---	---
2	11400.000	56.40	-7.14	63.54	43.85	40.56	6.71	34.72	PK	---	---
3	17100.000	64.44	-13.40	77.84	46.17	43.64	8.61	33.98	Peak	---	---

Vertical

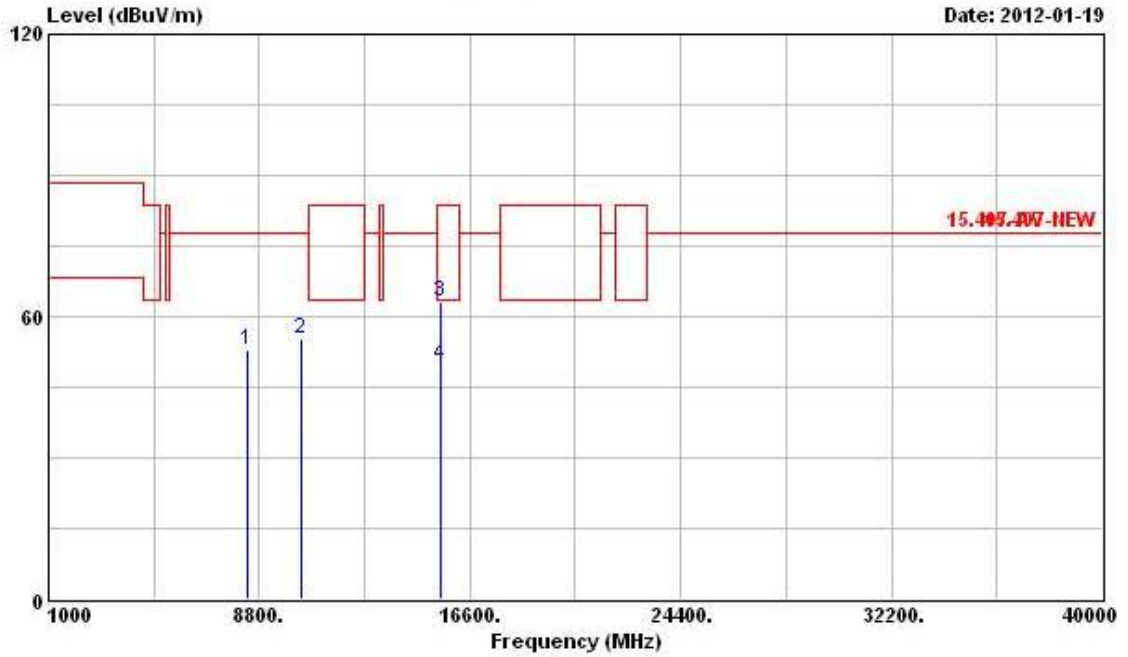


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8549.000	54.40	-23.44	77.84	45.22	38.46	5.97	35.25	Peak	---	---
2	11400.000	55.64	-7.90	63.54	43.09	40.56	6.71	34.72	PK	---	---
3	17100.000	63.43	-14.41	77.84	45.16	43.64	8.61	33.98	Peak	---	---

For Two Chains:

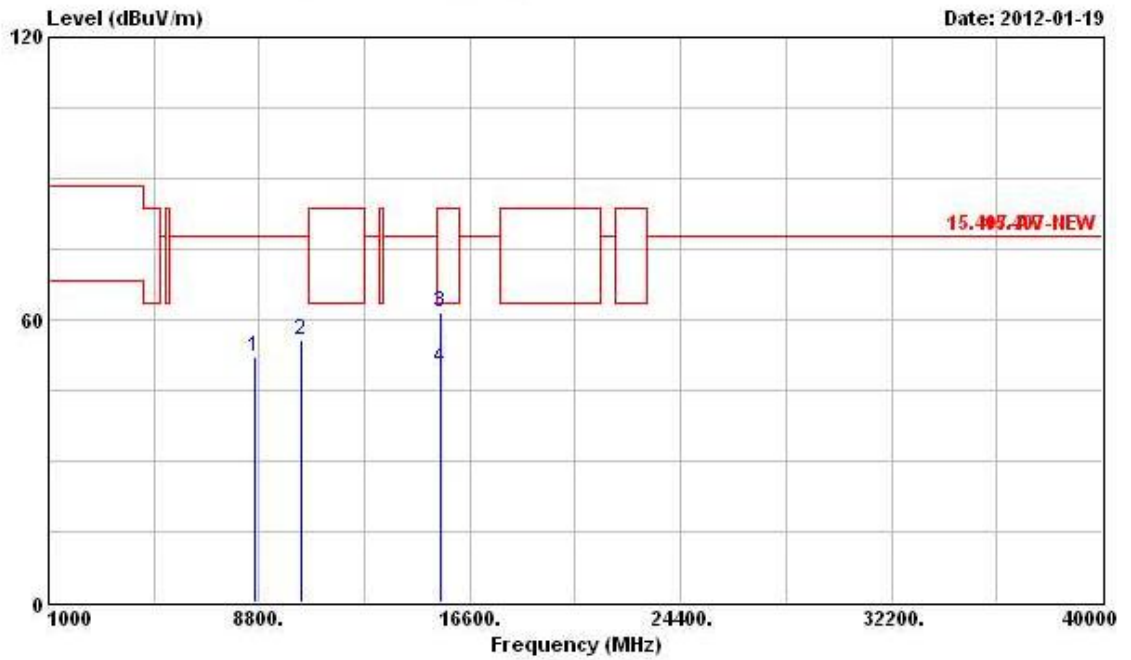
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 36 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8340.000	52.93	-24.91	77.84	43.87	38.41	5.90	35.25	PK	---	---
2	10360.000	55.41	-22.43	77.84	43.90	40.02	6.71	35.22	Peak	---	---
3	15540.000	63.07	-20.47	83.54	46.84	42.81	8.45	35.03	Peak	---	---
4	15540.000	49.70	-13.84	63.54	33.47	42.81	8.45	35.03	Average	---	---

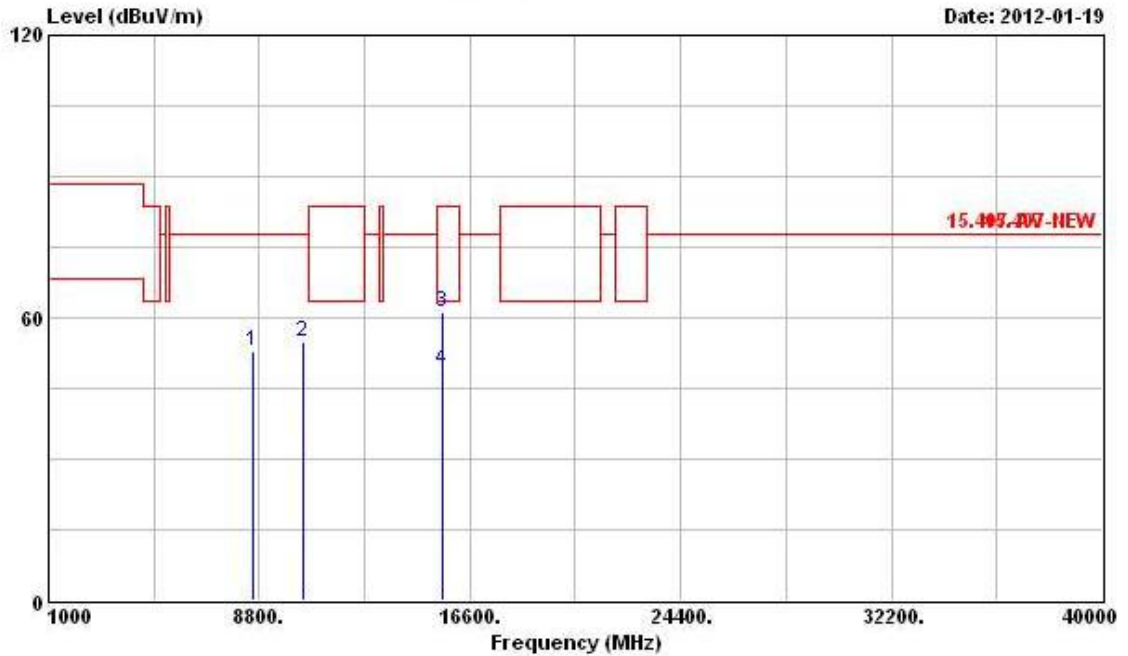
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8660.000	52.09	-25.75	77.84	42.97	38.37	6.01	35.26	Peak	---	---
2	10360.000	55.50	-22.34	77.84	43.99	40.02	6.71	35.22	Peak	---	---
3	15540.000	61.59	-21.95	83.54	45.36	42.81	8.45	35.03	Peak	---	---
4	15540.000	49.55	-13.99	63.54	33.32	42.81	8.45	35.03	Average	---	---

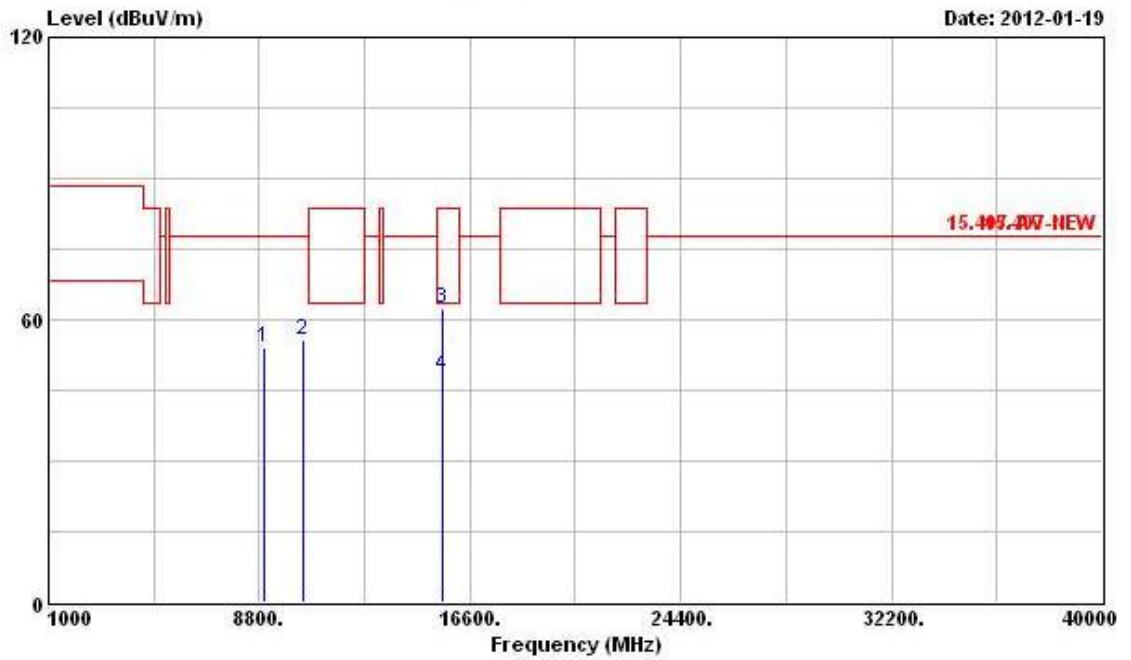
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 40 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8570.000	52.78	-25.06	77.84	43.61	38.45	5.97	35.25	Peak	---	---
2	10400.000	54.83	-23.01	77.84	43.22	40.04	6.75	35.18	Peak	---	---
3	15600.000	61.22	-22.32	83.54	45.05	42.82	8.45	35.10	Peak	---	---
4	15600.000	48.88	-14.66	63.54	32.71	42.82	8.45	35.10	Average	---	---

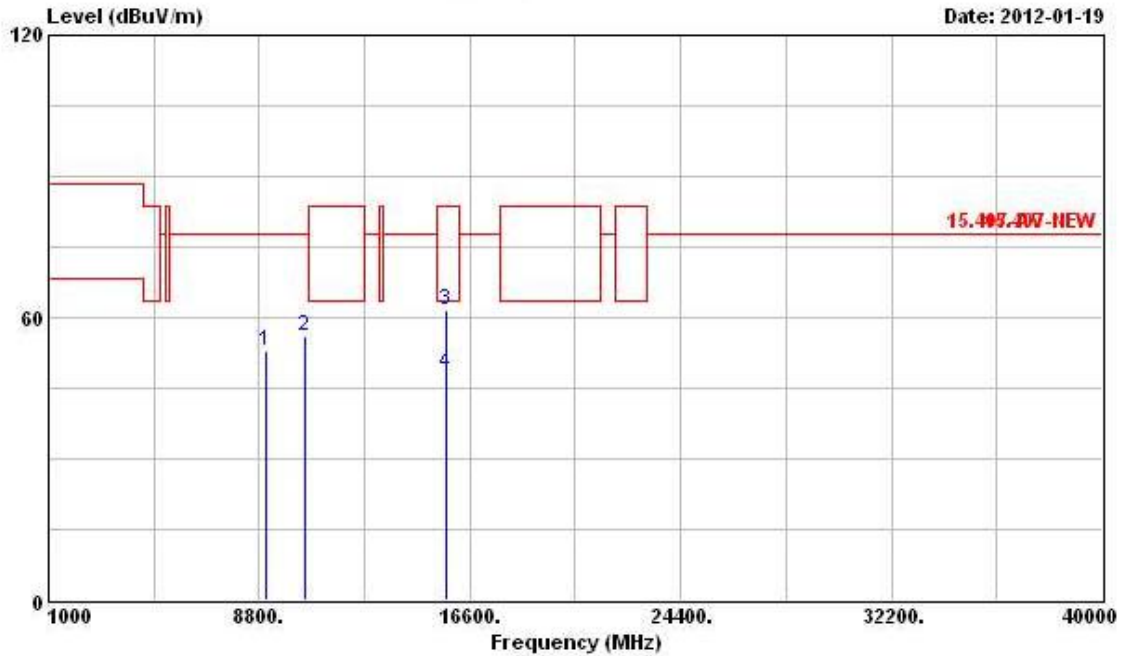
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8980.000	54.20	-23.64	77.84	45.23	38.13	6.16	35.32	Peak	---	---
2	10400.000	55.55	-22.29	77.84	43.94	40.04	6.75	35.18	Peak	---	---
3	15600.000	62.32	-21.22	83.54	46.15	42.82	8.45	35.10	Peak	---	---
4	15600.000	48.33	-15.21	63.54	32.16	42.82	8.45	35.10	Average	---	---

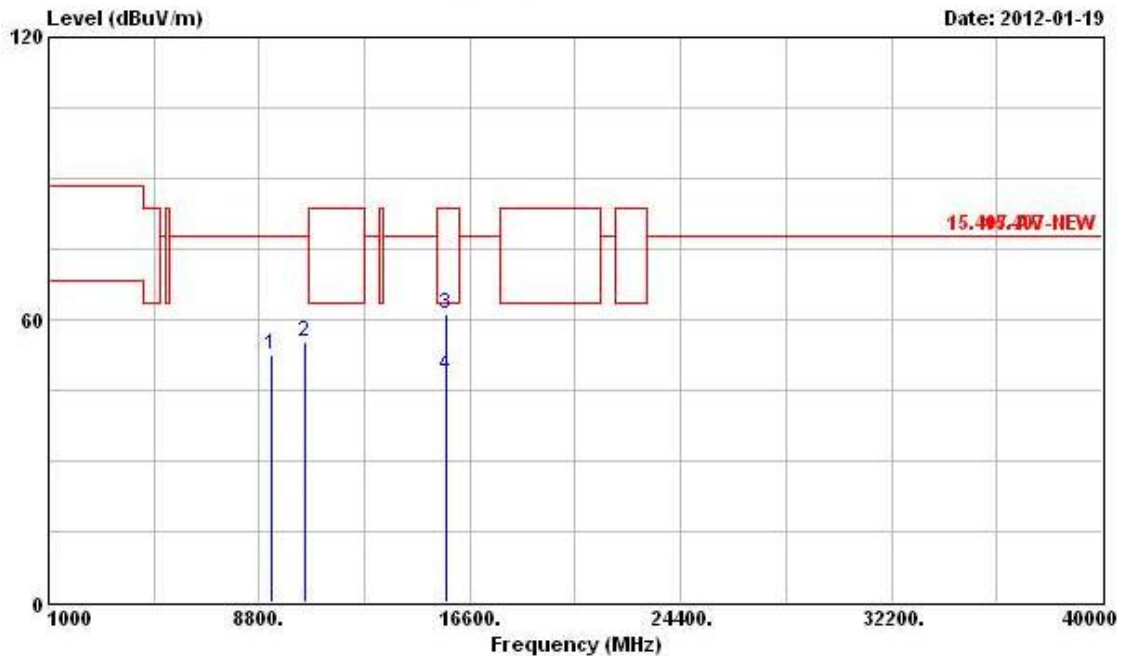
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 48 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9050.000	52.72	-25.12	77.84	43.67	38.21	6.17	35.33	PK	---	---
2	10480.000	56.04	-21.80	77.84	44.25	40.09	6.82	35.12	Peak	---	---
3	15720.000	61.63	-21.91	83.54	45.53	42.84	8.46	35.20	Peak	---	---
4	15720.000	48.15	-15.39	63.54	32.05	42.84	8.46	35.20	Average	---	---

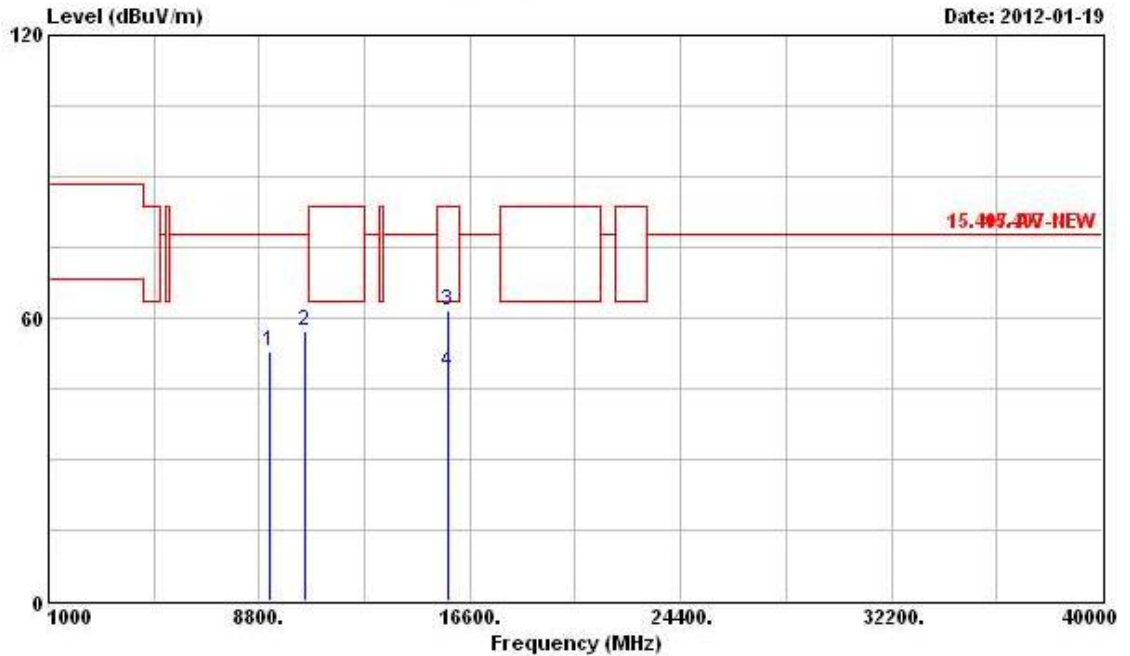
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9250.000	52.64	-25.20	77.84	43.15	38.63	6.25	35.39	Peak	---	---
2	10480.000	55.32	-22.52	77.84	43.53	40.09	6.82	35.12	Peak	---	---
3	15720.000	61.16	-22.38	83.54	45.06	42.84	8.46	35.20	Peak	---	---
4	15720.000	48.06	-15.48	63.54	31.96	42.84	8.46	35.20	Average	---	---

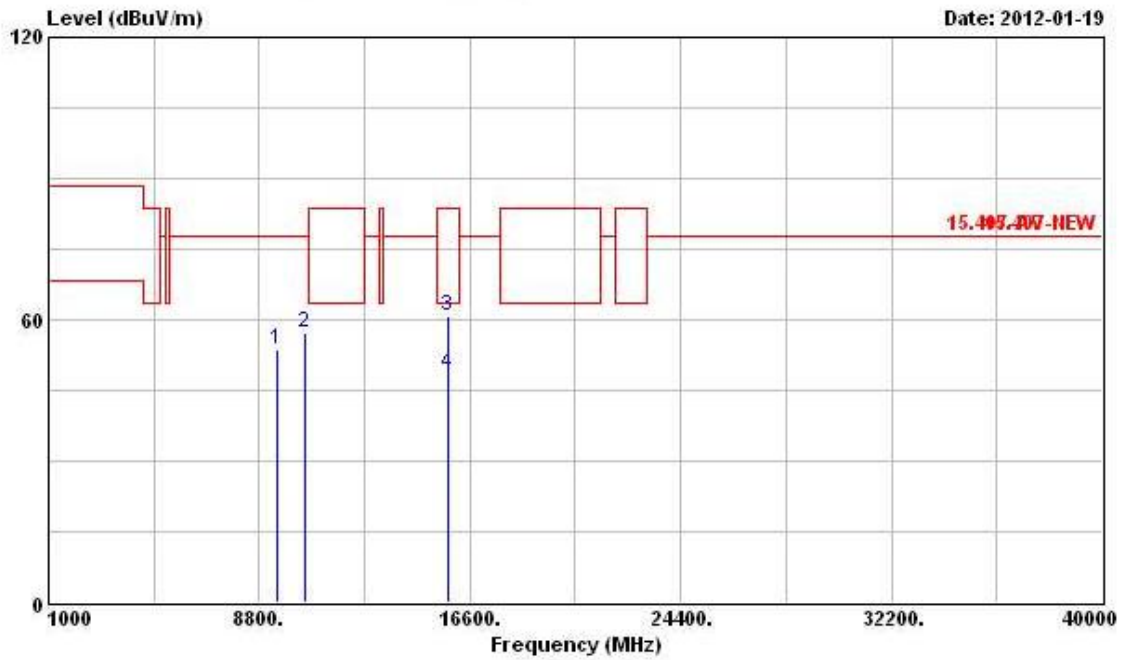
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 52 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9210.000	53.09	-24.75	77.84	43.68	38.56	6.23	35.38	Peak	---	---
2	10520.000	57.13	-20.71	77.84	45.27	40.11	6.85	35.10	Peak	---	---
3	15780.000	61.62	-21.92	83.54	45.58	42.86	8.46	35.28	Peak	---	---
4	15780.000	48.41	-15.13	63.54	32.37	42.86	8.46	35.28	Average	---	---

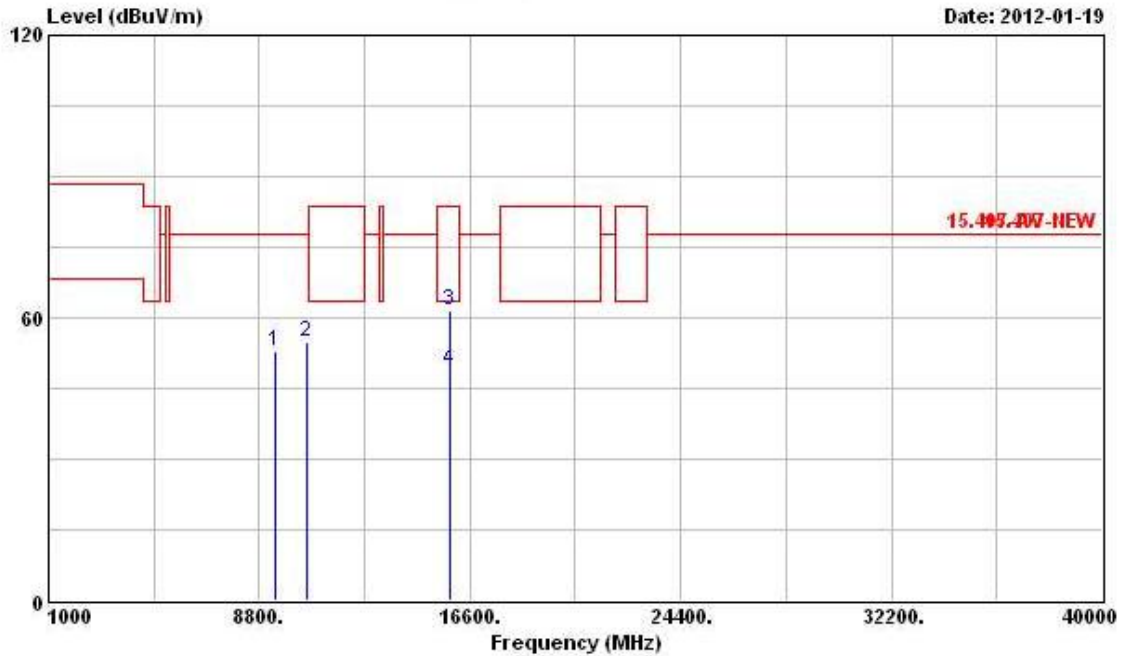
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9460.000	53.55	-24.29	77.84	43.57	39.12	6.31	35.45	PK	---	---
2	10520.000	57.08	-20.76	77.84	45.22	40.11	6.85	35.10	Peak	---	---
3	15780.000	60.98	-22.56	83.54	44.94	42.86	8.46	35.28	Peak	---	---
4	15780.000	48.47	-15.07	63.54	32.43	42.86	8.46	35.28	Average	---	---

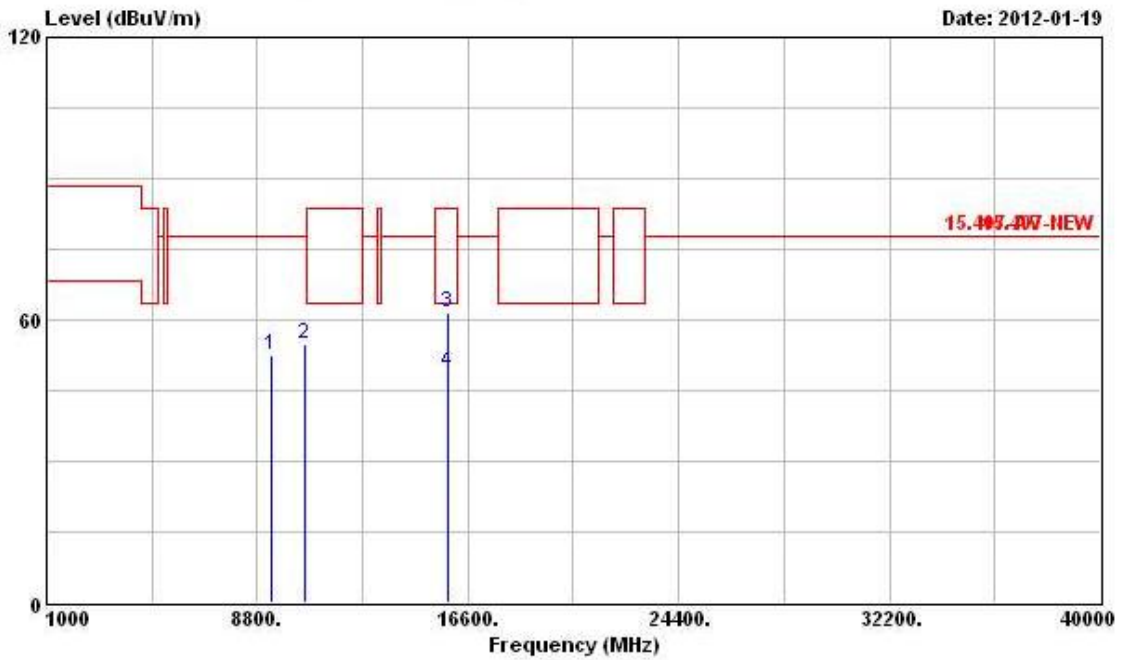
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 56 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9390.000	52.78	-25.06	77.84	42.96	38.97	6.28	35.43	PK	---	---
2	10560.000	54.91	-22.93	77.84	42.96	40.13	6.88	35.06	Peak	---	---
3	15840.000	61.74	-21.80	83.54	45.74	42.87	8.46	35.33	Peak	---	---
4	15840.000	48.89	-14.65	63.54	32.89	42.87	8.46	35.33	Average	---	---

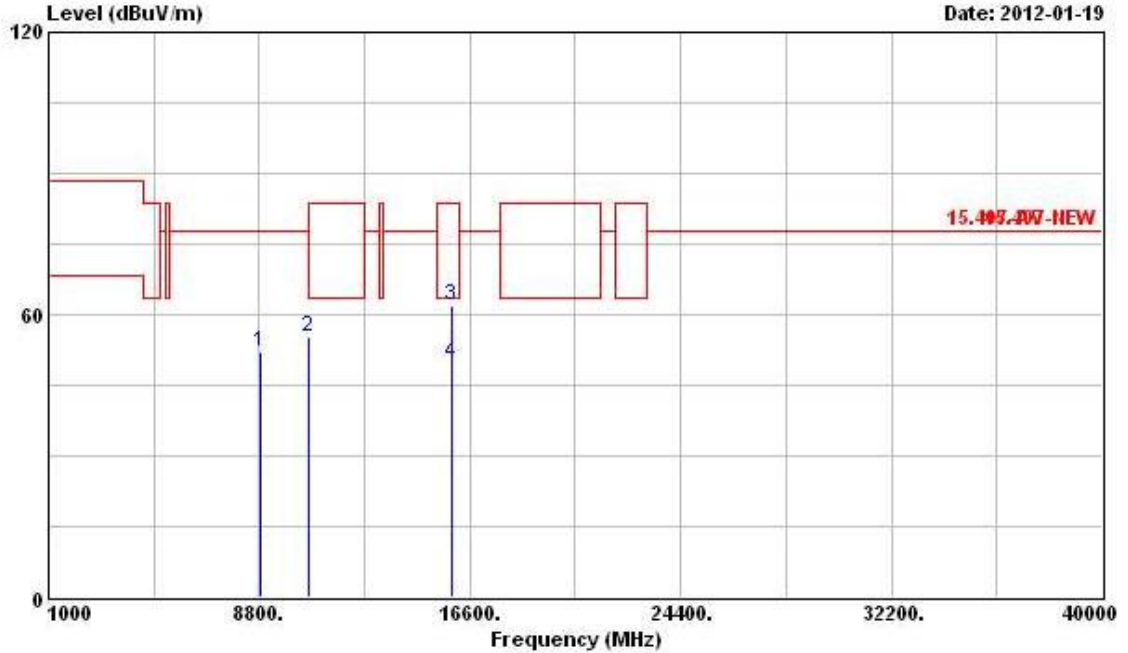
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9320.000	52.51	-25.33	77.84	42.88	38.78	6.26	35.41	PK	---	---
2	10560.000	54.77	-23.07	77.84	42.82	40.13	6.88	35.06	Peak	---	---
3	15840.000	61.70	-21.84	83.54	45.70	42.87	8.46	35.33	Peak	---	---
4	15840.000	48.94	-14.60	63.54	32.94	42.87	8.46	35.33	Average	---	---

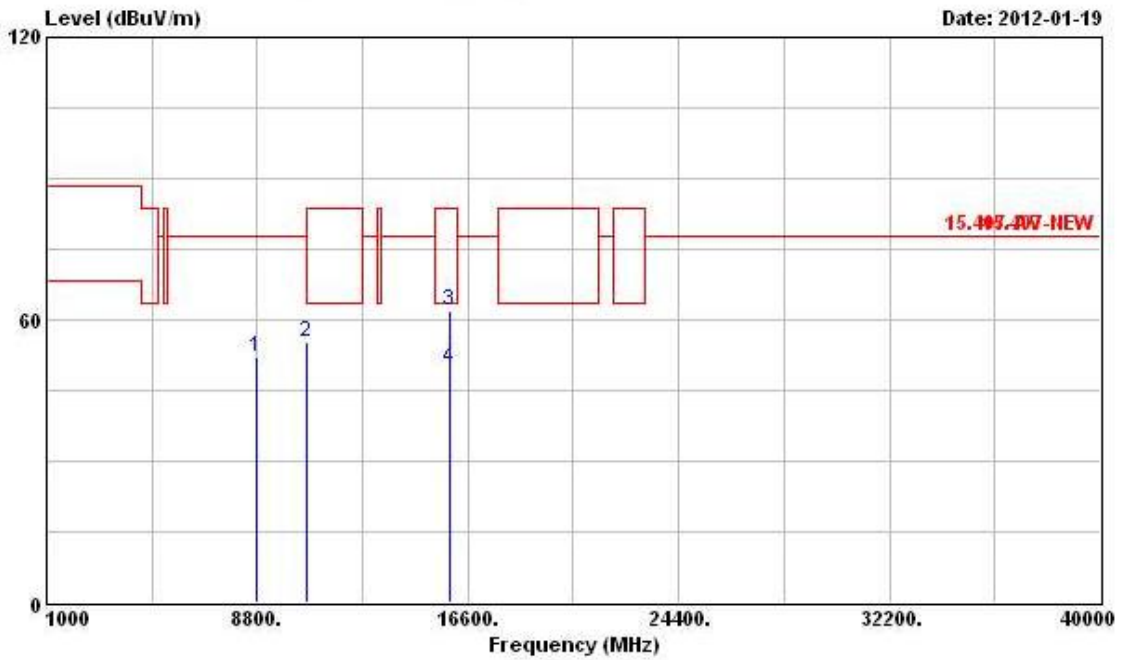
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 64 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8840.000	52.10	-25.74	77.84	43.07	38.23	6.09	35.29	Peak	---	---
2	10640.000	55.37	-8.17	63.54	43.26	40.18	6.93	35.00	PK	---	---
3	15960.000	62.13	-21.41	83.54	46.22	42.89	8.47	35.45	Peak	---	---
4	15960.000	49.55	-13.99	63.54	33.64	42.89	8.47	35.45	Average	---	---

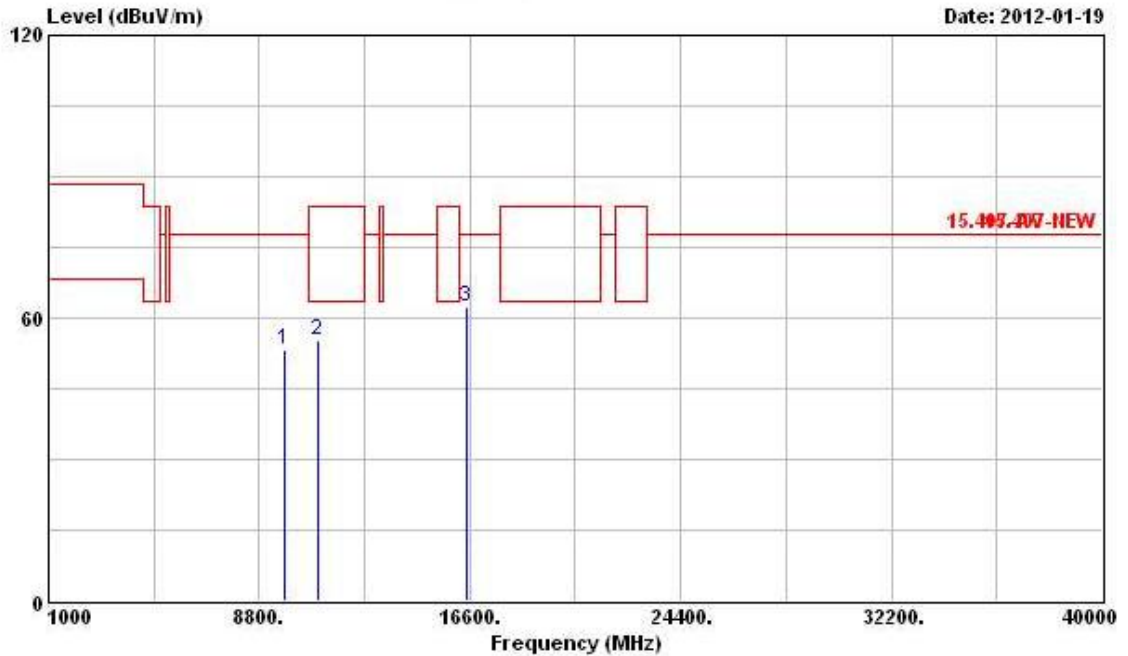
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8770.000	51.91	-25.93	77.84	42.84	38.29	6.06	35.28	Peak	---	---
2	10640.000	55.23	-8.31	63.54	43.12	40.18	6.93	35.00	PK	---	---
3	15960.000	61.87	-21.67	83.54	45.96	42.89	8.47	35.45	Peak	---	---
4	15960.000	49.63	-13.91	63.54	33.72	42.89	8.47	35.45	Average	---	---

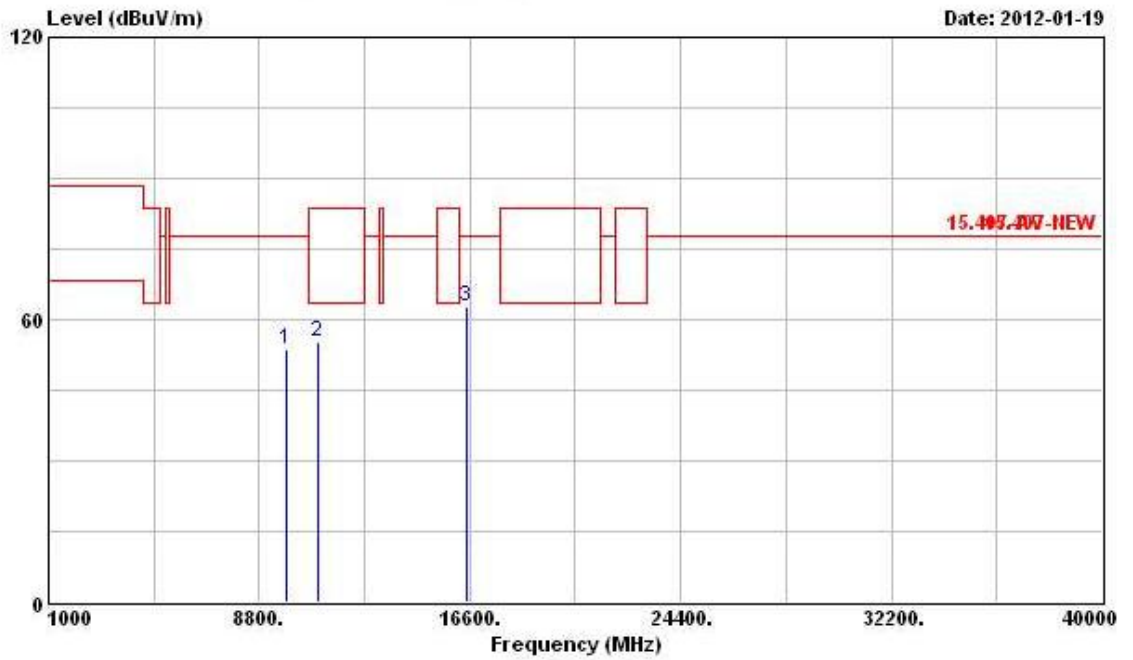
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 100(20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9740.000	53.42	-24.42	77.84	43.05	39.49	6.36	35.48	Peak	---	---
2	11000.000	55.39	-8.15	63.54	42.54	40.40	7.17	34.72	PK	---	---
3	16500.000	62.27	-15.57	77.84	45.52	43.50	8.24	34.99	Peak	---	---

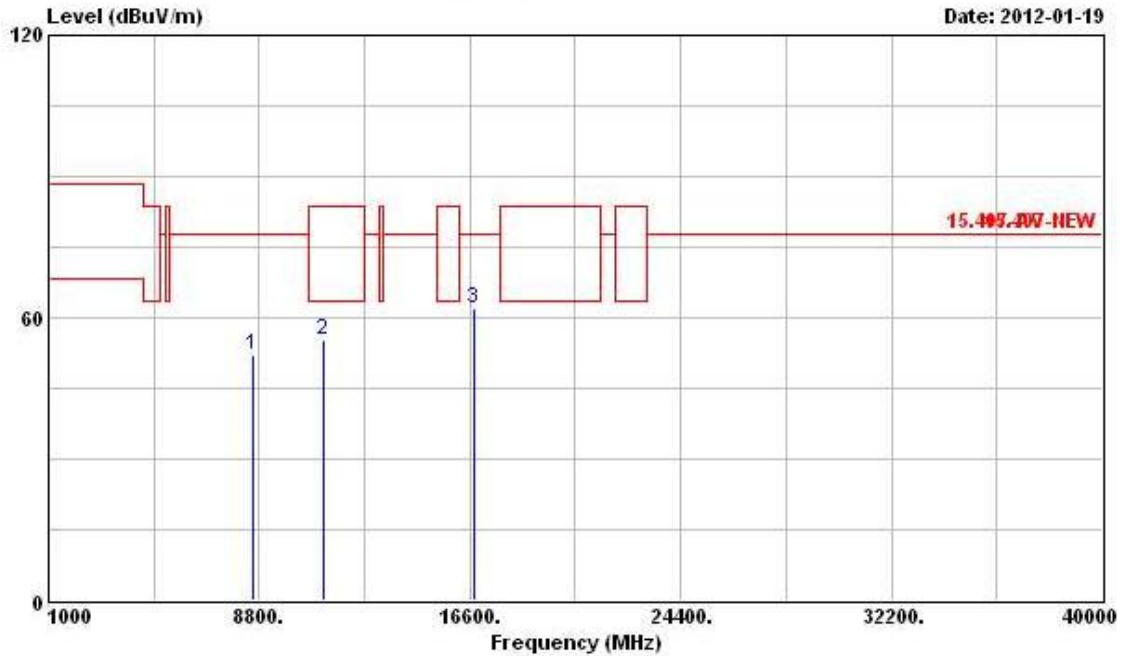
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9800.000	53.51	-24.33	77.84	43.05	39.57	6.37	35.48	Peak	---	---
2	11000.000	55.46	-8.08	63.54	42.61	40.40	7.17	34.72	PK	---	---
3	16500.000	62.68	-15.16	77.84	45.93	43.50	8.24	34.99	Peak	---	---

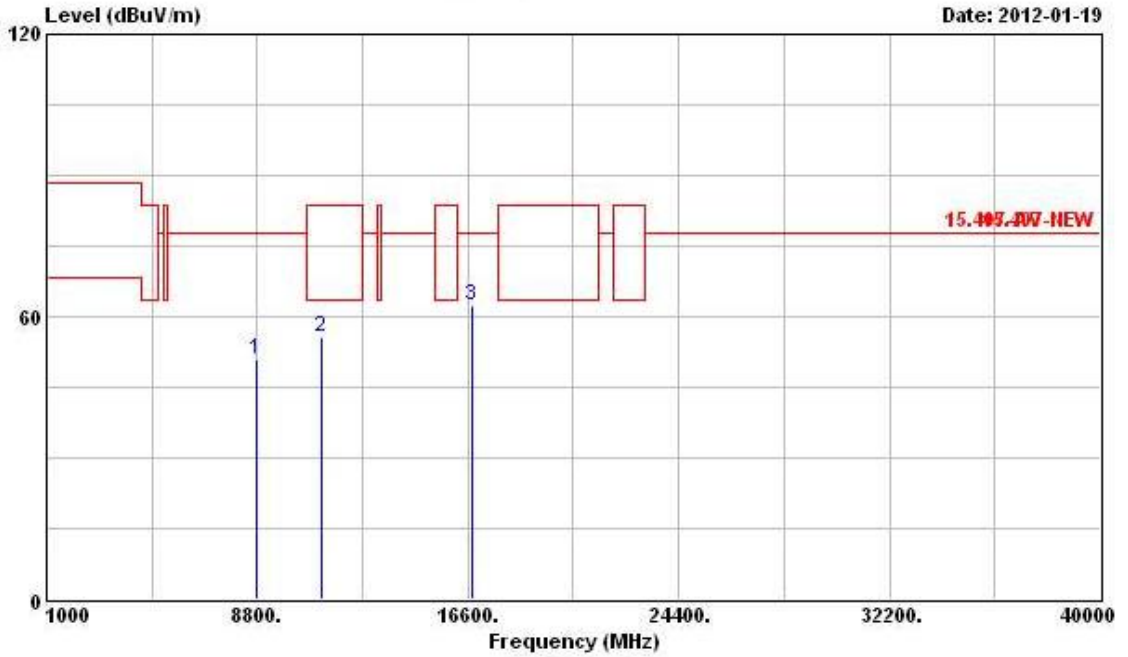
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 116 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8590.000	52.19	-25.65	77.84	43.03	38.43	5.99	35.26	Peak	---	---
2	11160.000	55.30	-8.24	63.54	42.59	40.47	6.96	34.72	PK	---	---
3	16740.000	61.89	-15.95	77.84	44.33	43.60	8.47	34.51	Peak	---	---

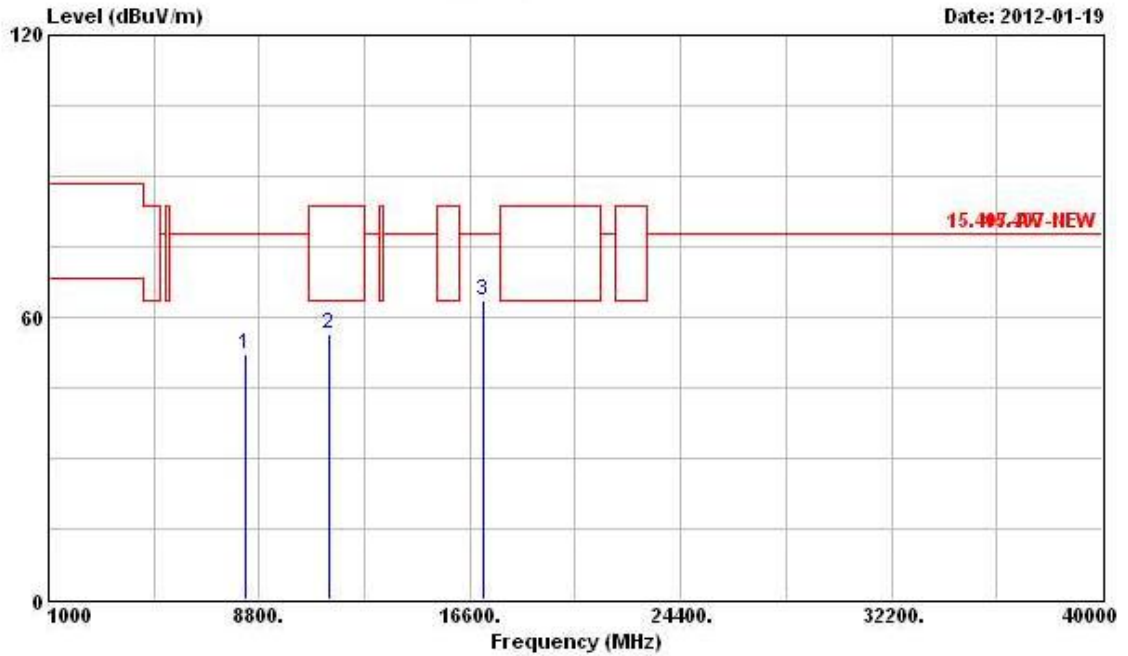
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8750.000	50.93	-26.91	77.84	41.85	38.30	6.06	35.28	Peak	---	---
2	11160.000	55.53	-8.01	63.54	42.82	40.47	6.96	34.72	PK	---	---
3	16740.000	62.25	-15.59	77.84	44.69	43.60	8.47	34.51	Peak	---	---

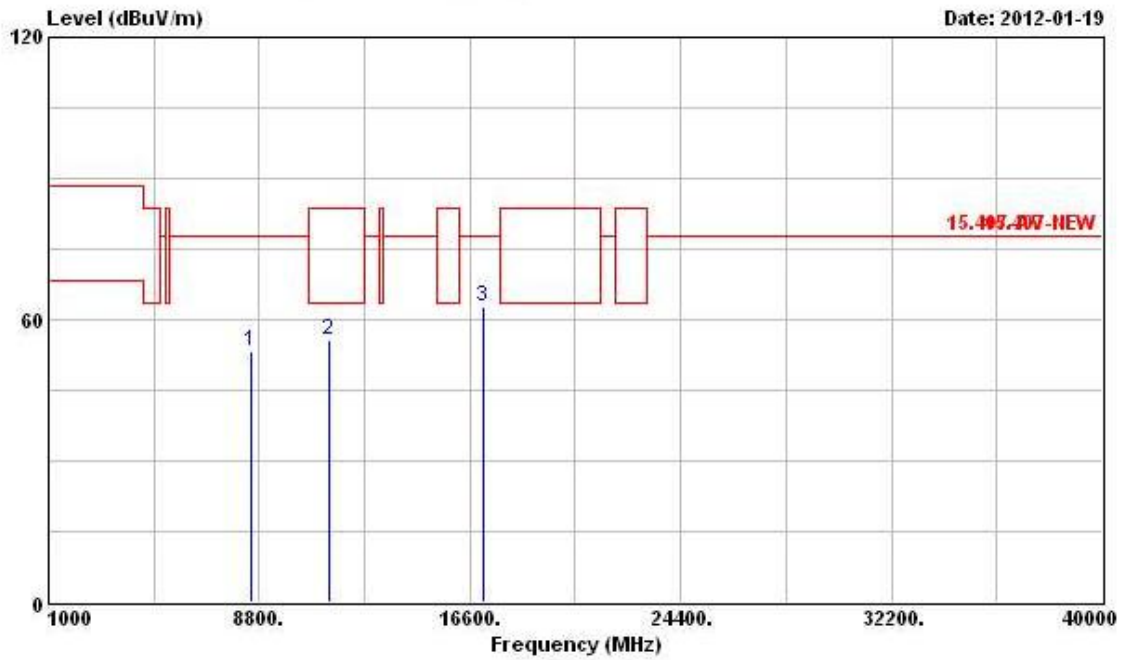
Final Test Date	Jan. 19, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 140 (20MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8290.000	52.26	-25.58	77.84	43.24	38.38	5.89	35.25	PK	---	---
2	11400.000	56.45	-7.09	63.54	43.90	40.56	6.71	34.72	PK	---	---
3	17100.000	63.73	-14.11	77.84	45.46	43.64	8.61	33.98	Peak	---	---

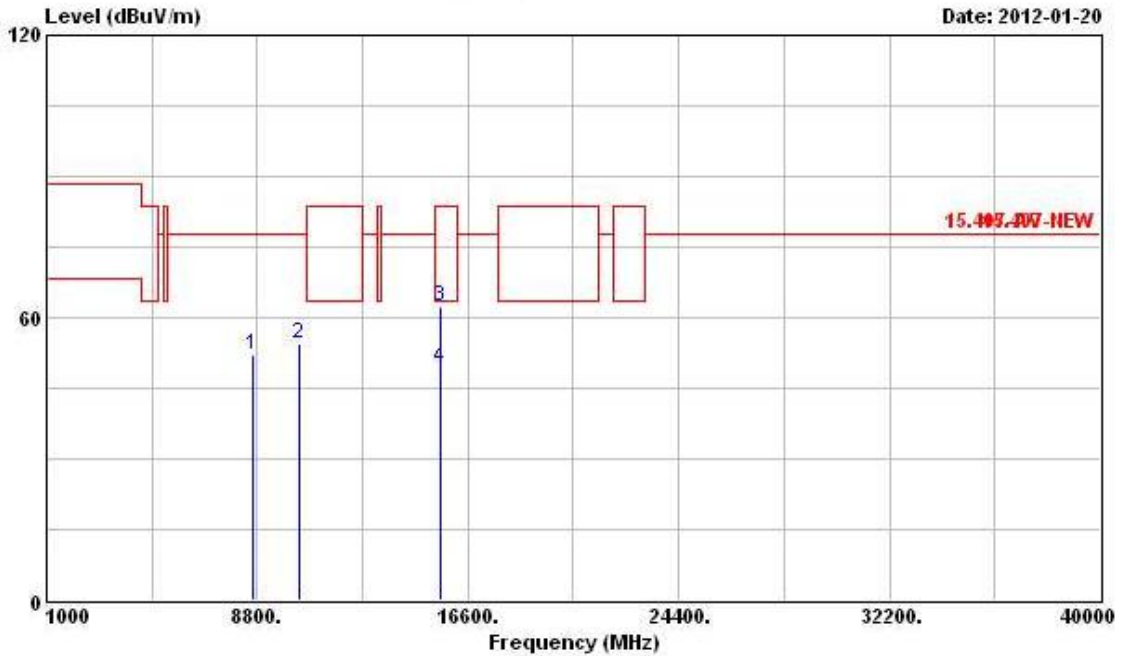
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8500.000	53.26	-24.58	77.84	44.06	38.50	5.94	35.24	PK	---	---
2	11400.000	55.47	-8.07	63.54	42.92	40.56	6.71	34.72	PK	---	---
3	17100.000	62.77	-15.07	77.84	44.50	43.64	8.61	33.98	Peak	---	---

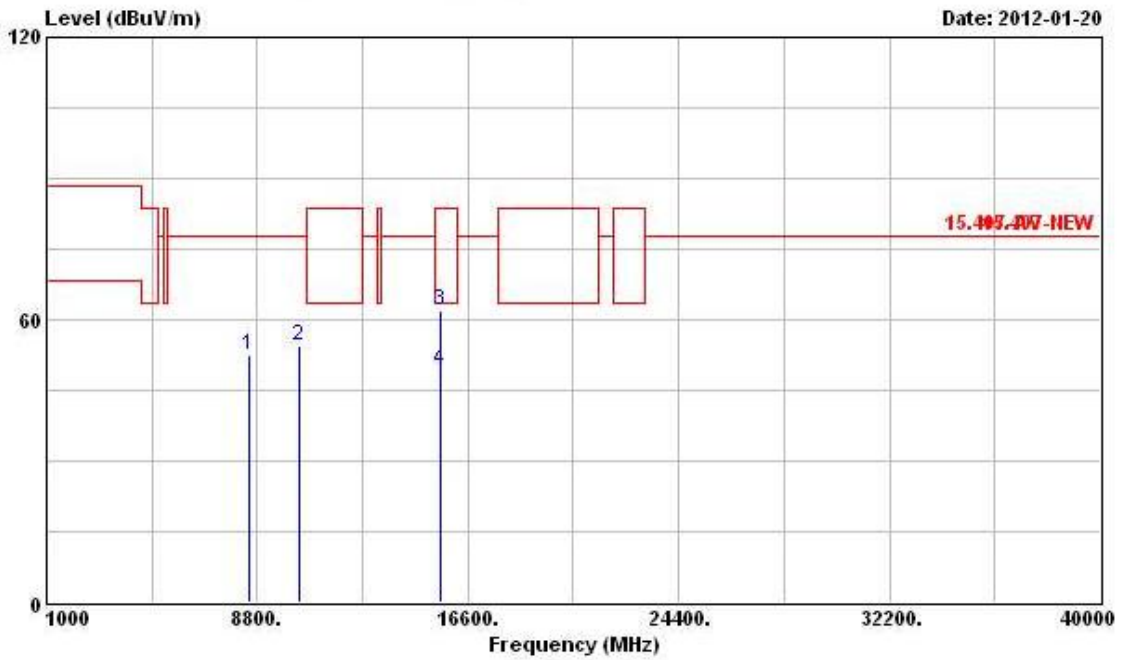
Final Test Date	Jan. 20, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 38(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8630.000	52.20	-25.64	77.84	43.06	38.39	6.01	35.26	Peak	---	---
2	10380.000	54.43	-23.41	77.84	42.85	40.03	6.75	35.20	Peak	---	---
3	15570.000	62.33	-21.21	83.54	46.12	42.81	8.45	35.05	Peak	---	---
4	15570.000	49.29	-14.25	63.54	33.08	42.81	8.45	35.05	Average	---	---

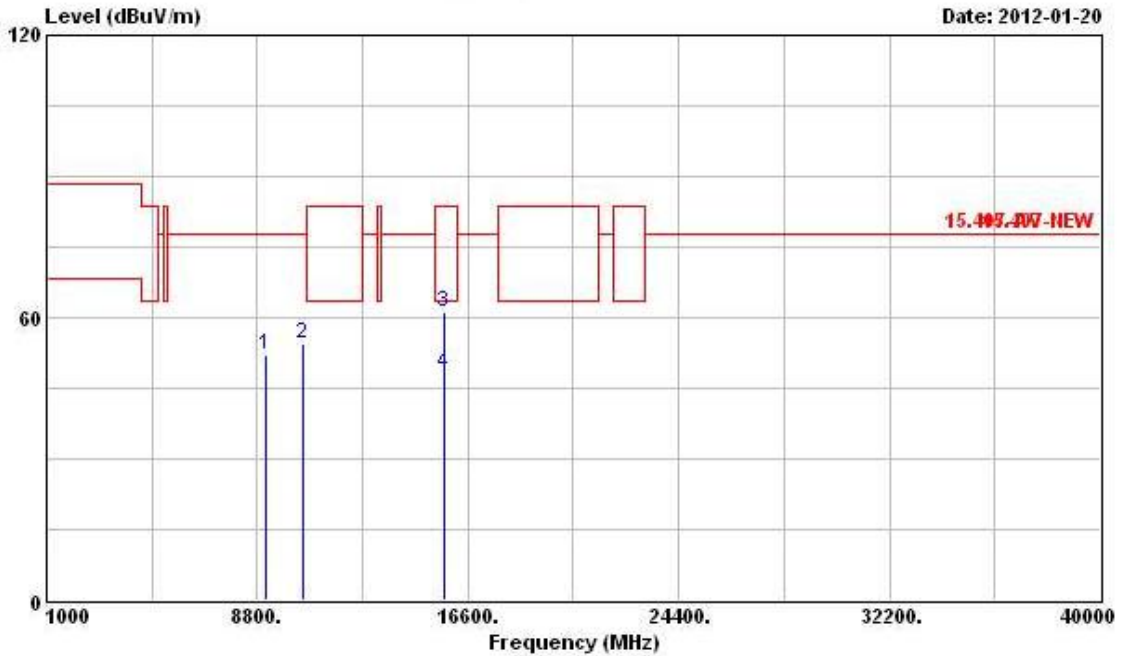
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8525.000	52.62	-25.22	77.84	43.43	38.47	5.96	35.24	Peak	---	---
2	10380.000	54.51	-23.33	77.84	42.93	40.03	6.75	35.20	Peak	---	---
3	15570.000	62.00	-21.54	83.54	45.79	42.81	8.45	35.05	Peak	---	---
4	15570.000	49.53	-14.01	63.54	33.32	42.81	8.45	35.05	Average	---	---

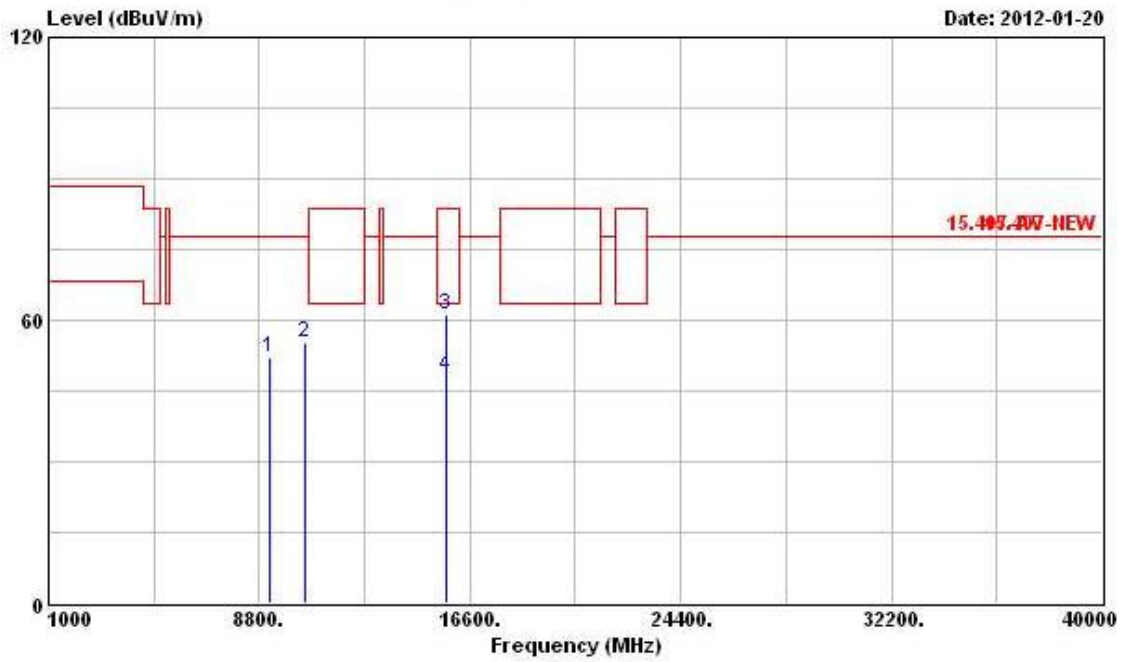
Final Test Date	Jan. 20, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 46(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9118.000	52.28	-25.56	77.84	43.06	38.37	6.20	35.35	PK	---	---
2	10460.000	54.65	-23.19	77.84	42.90	40.07	6.82	35.14	Peak	---	---
3	15690.000	61.34	-22.20	83.54	45.22	42.84	8.46	35.18	Peak	---	---
4	15690.000	48.21	-15.33	63.54	32.09	42.84	8.46	35.18	Average	---	---

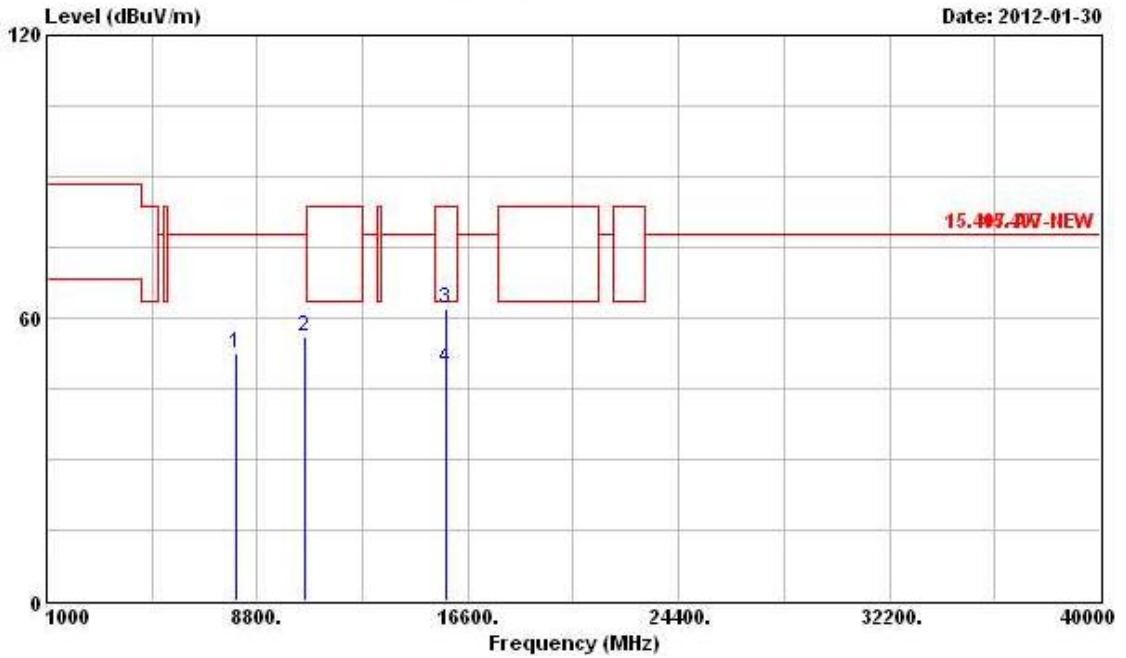
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	9217.000	52.10	-25.74	77.84	42.69	38.56	6.23	35.38	Peak	---	---
2	10460.000	55.23	-22.61	77.84	43.48	40.07	6.82	35.14	Peak	---	---
3	15690.000	61.31	-22.23	83.54	45.19	42.84	8.46	35.18	Peak	---	---
4	15690.000	48.28	-15.26	63.54	32.16	42.84	8.46	35.18	Average	---	---

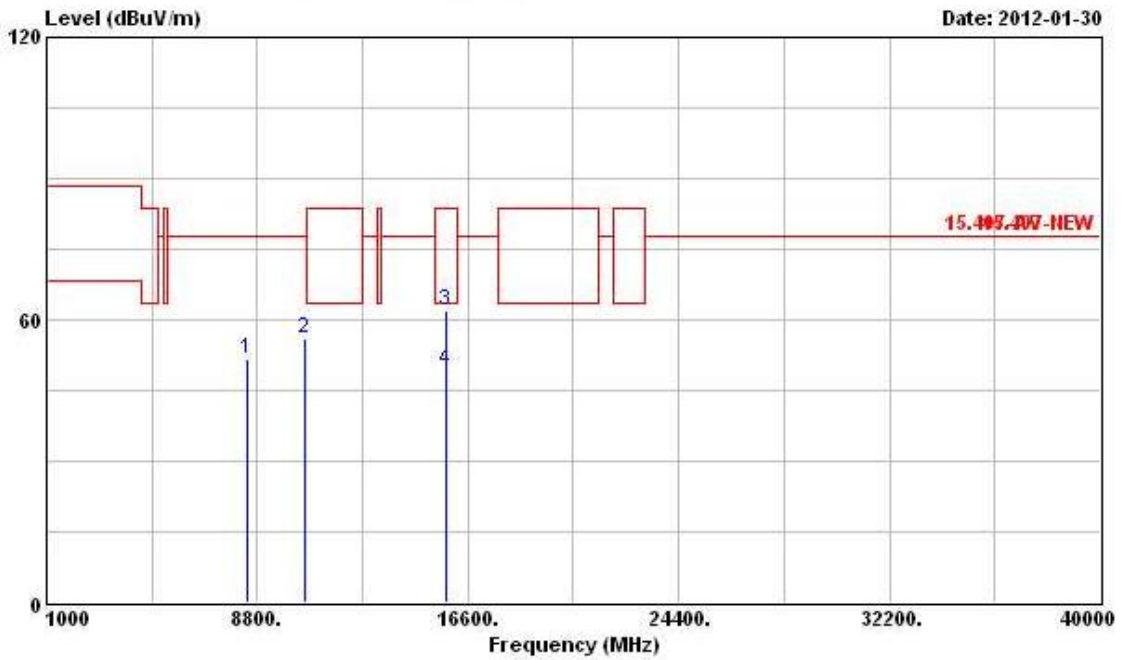
Final Test Date	Jan. 30, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 54(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB/m	dB	dB		cm	deg
1	8000.000	52.62	-25.22	77.84	43.89	38.20	5.80	35.27	Peak	---	---
2	10540.000	56.09	-21.75	77.84	44.17	40.12	6.88	35.08	Peak	---	---
3	15810.000	62.00	-21.54	83.54	45.98	42.86	8.46	35.30	Peak	---	---
4	15810.000	49.52	-14.02	63.54	33.50	42.86	8.46	35.30	Average	---	---

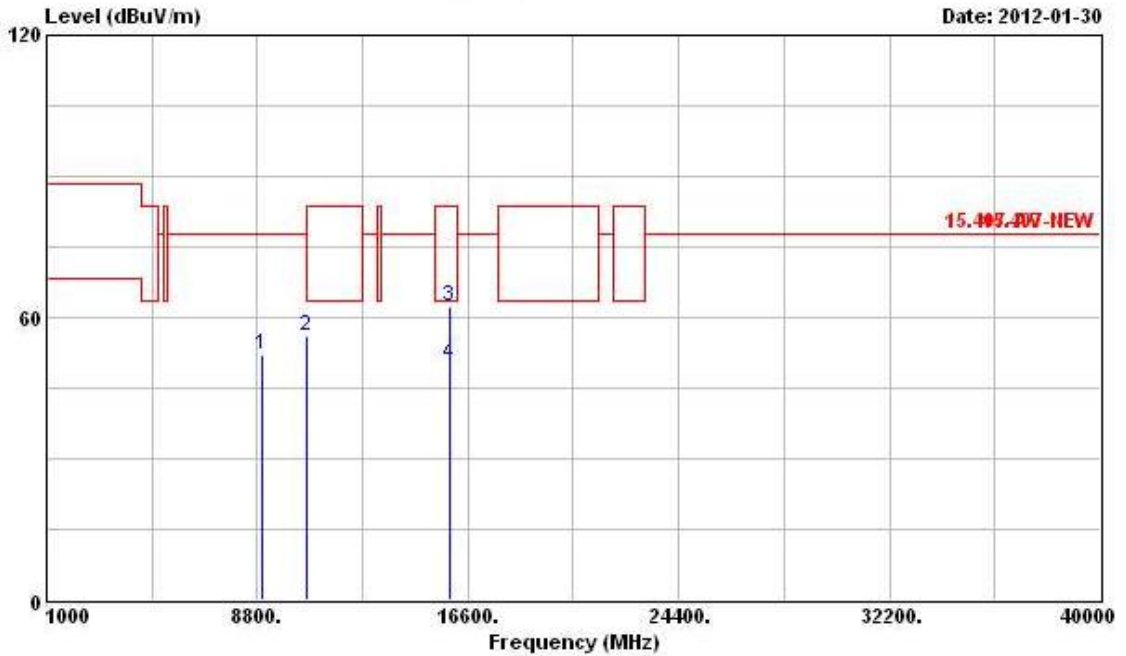
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8430.000	51.86	-25.98	77.84	42.71	38.46	5.93	35.24	PK	---	---
2	10540.000	56.03	-21.81	77.84	44.11	40.12	6.88	35.08	Peak	---	---
3	15810.000	61.96	-21.58	83.54	45.94	42.86	8.46	35.30	Peak	---	---
4	15810.000	49.43	-14.11	63.54	33.41	42.86	8.46	35.30	Average	---	---

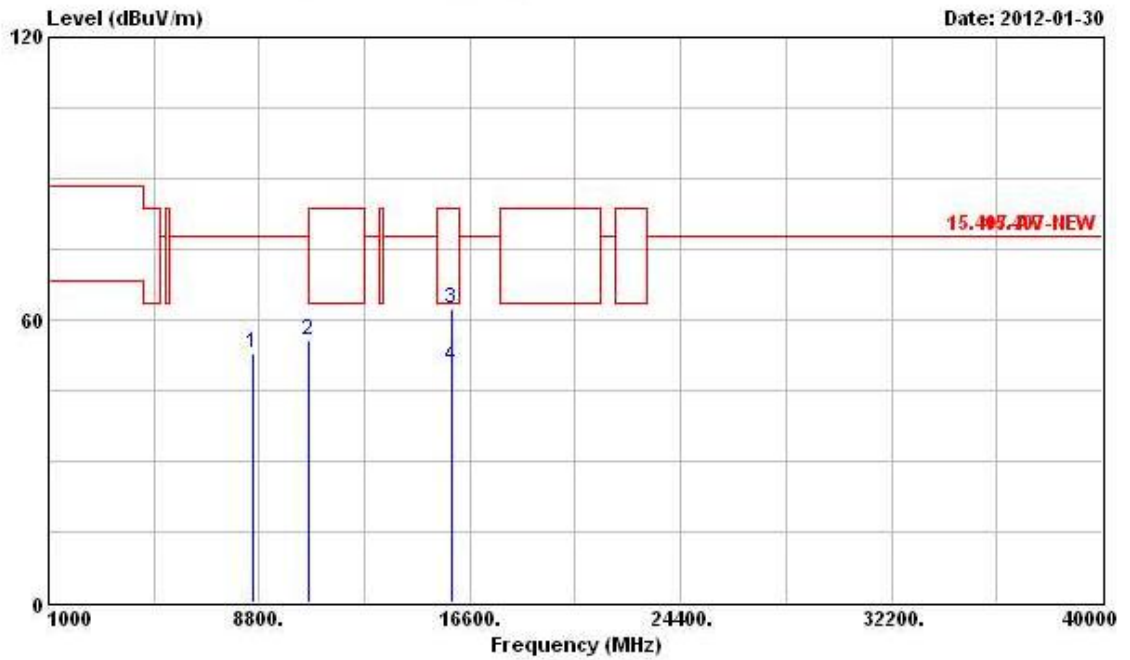
Final Test Date	Jan. 30, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 62(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8990.000	52.28	-25.56	77.84	43.33	38.11	6.16	35.32	Peak	---	---
2	10620.000	56.09	-7.45	63.54	44.01	40.17	6.93	35.02	PK	---	---
3	15930.000	62.44	-21.10	83.54	46.48	42.89	8.47	35.40	Peak	---	---
4	15930.000	50.14	-13.40	63.54	34.18	42.89	8.47	35.40	Average	---	---

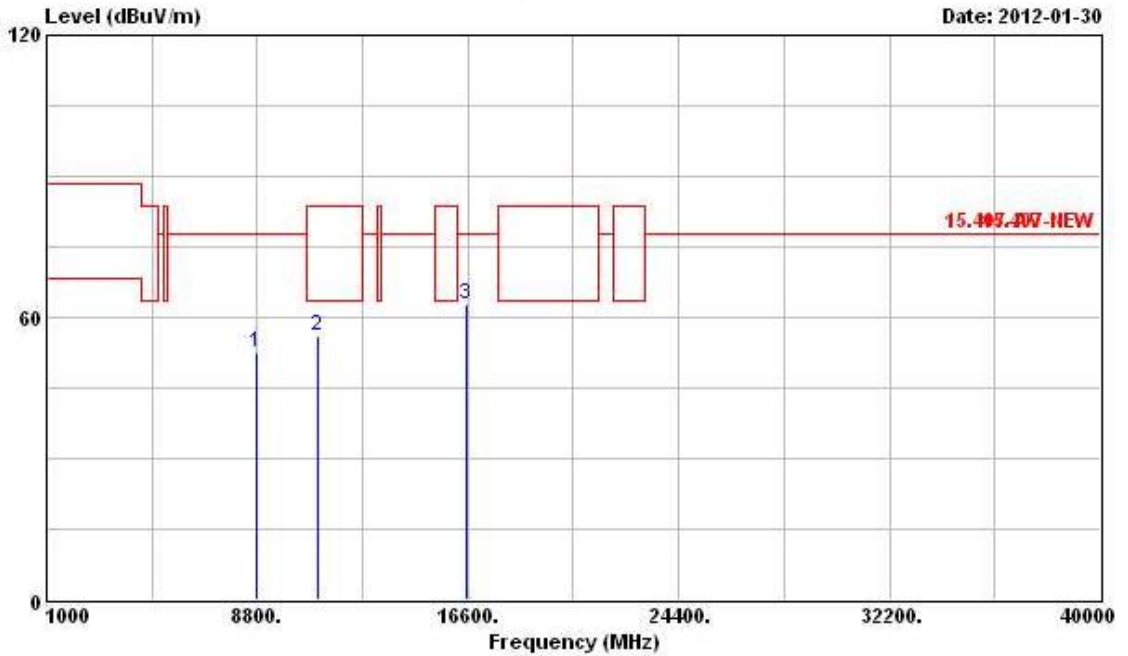
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8559.000	52.79	-25.05	77.84	43.62	38.45	5.97	35.25	Peak	---	---
2	10620.000	55.52	-8.02	63.54	43.44	40.17	6.93	35.02	PK	---	---
3	15930.000	62.46	-21.08	83.54	46.50	42.89	8.47	35.40	Peak	---	---
4	15930.000	50.03	-13.51	63.54	34.07	42.89	8.47	35.40	Average	---	---

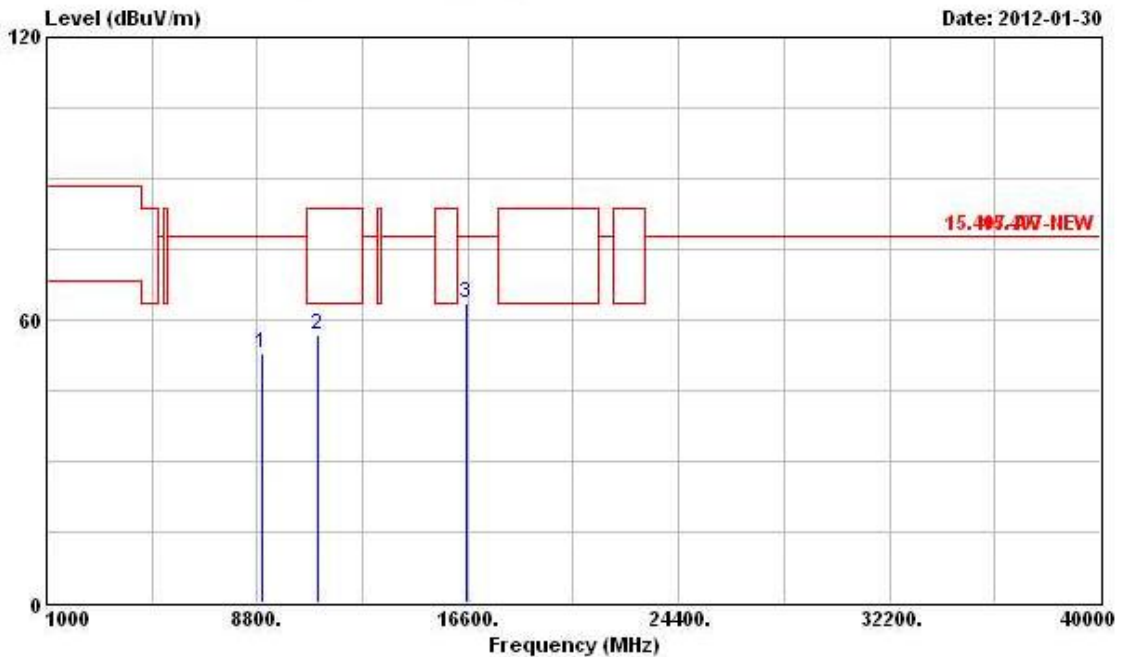
Final Test Date	Jan. 30, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 102(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB/m	dB	dB		cm	deg
1	8770.000	52.47	-25.37	77.84	43.40	38.29	6.06	35.28	Peak	---	---
2	11020.000	56.11	-7.43	63.54	43.29	40.41	7.13	34.72	PK	---	---
3	16530.000	62.96	-14.88	77.84	46.12	43.51	8.27	34.94	Peak	---	---

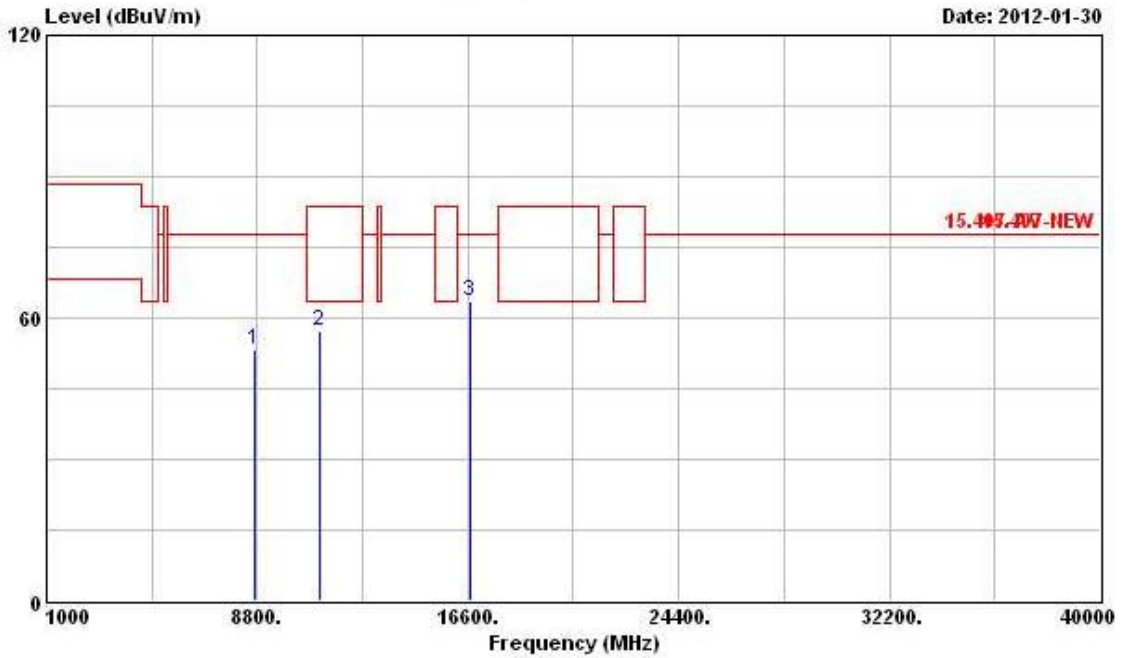
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8980.000	52.82	-25.02	77.84	43.85	38.13	6.16	35.32	Peak	---	---
2	11020.000	56.65	-6.89	63.54	43.83	40.41	7.13	34.72	PK	---	---
3	16530.000	63.62	-14.22	77.84	46.78	43.51	8.27	34.94	Peak	---	---

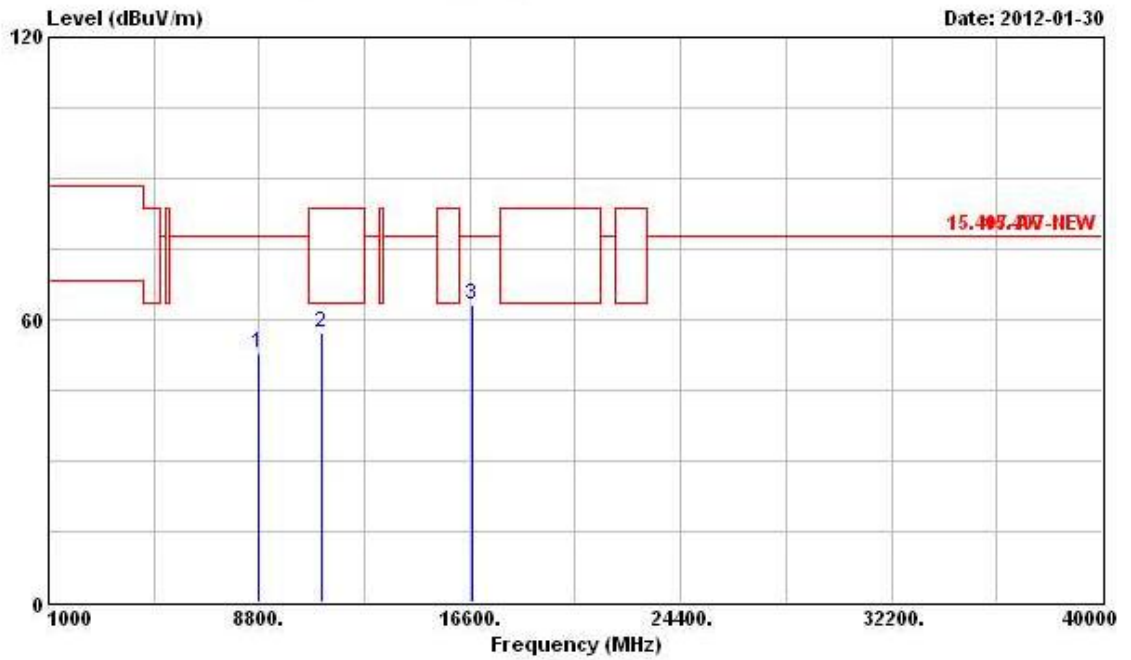
Final Test Date	Jan. 30, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 110(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB/m	dB	dB		cm	deg
1	8695.000	53.17	-24.67	77.84	44.08	38.34	6.02	35.27	Peak	0	0
2	11100.000	57.08	-6.46	63.54	44.31	40.44	7.05	34.72	PK	0	0
3	16650.000	63.37	-14.47	77.84	46.11	43.56	8.37	34.67	Peak	0	0

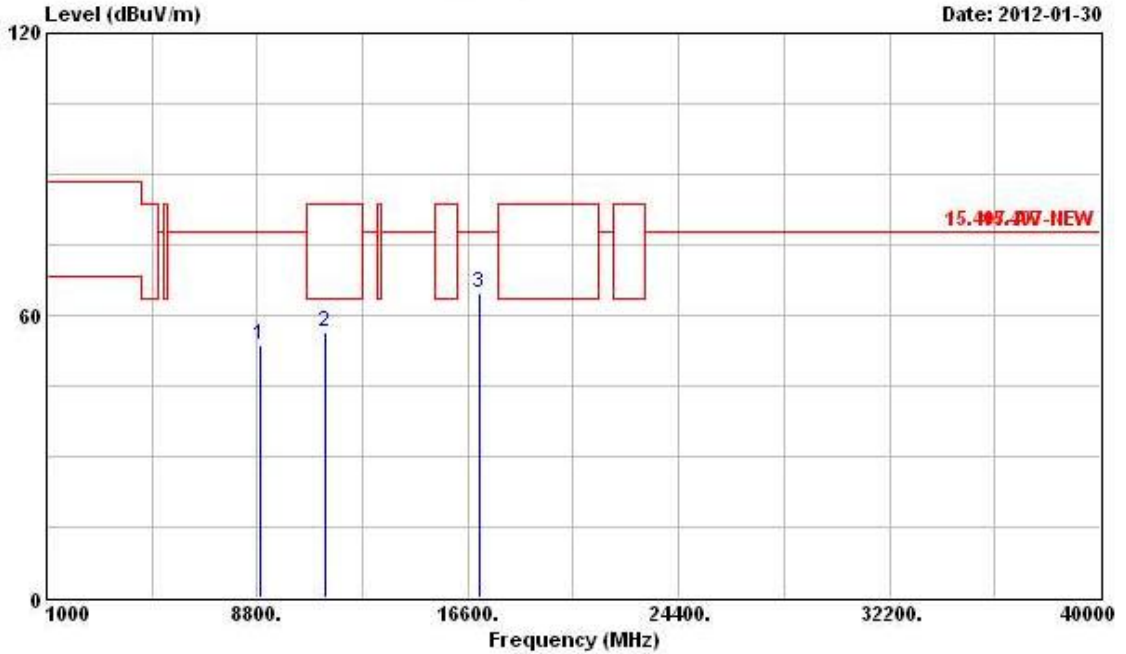
Vertical



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8782.000	52.88	-24.96	77.84	43.81	38.27	6.08	35.28	Peak	---	---
2	@11100.000	57.14	-6.40	63.54	44.37	40.44	7.05	34.72	PK	---	---
3	16650.000	63.30	-14.54	77.84	46.04	43.56	8.37	34.67	Peak	---	---

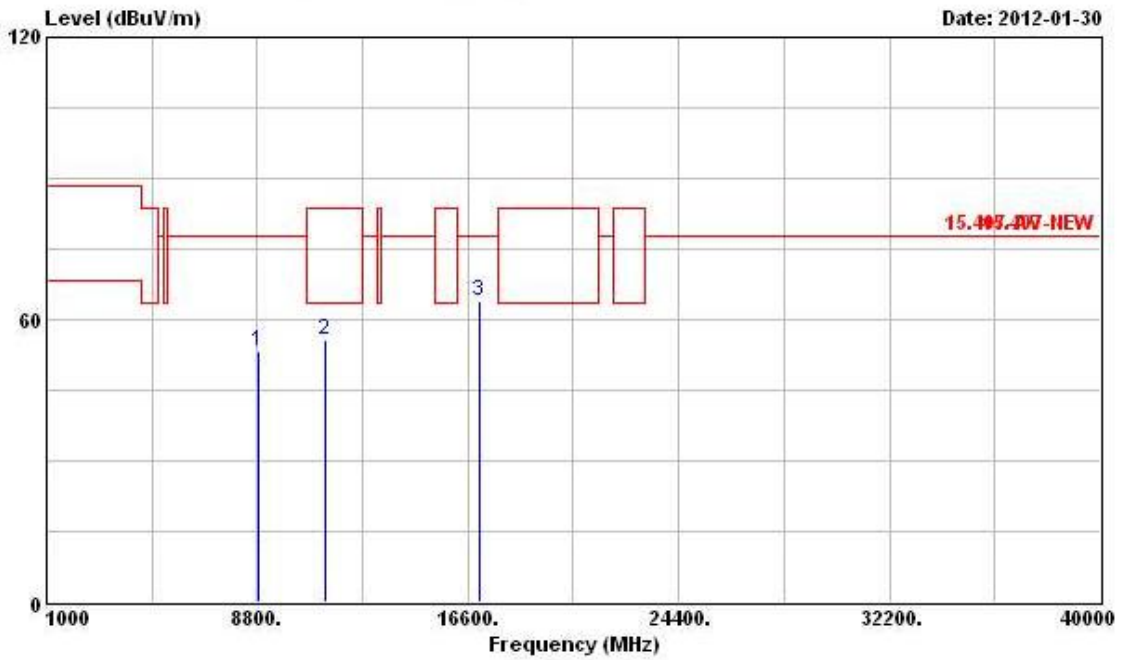
Final Test Date	Jan. 30, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 110(40MHz)

Horizontal



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8926.000	53.67	-24.17	77.84	44.68	38.17	6.13	35.31	Peak	---	---
2	11340.000	56.57	-6.97	63.54	43.96	40.53	6.80	34.72	PK	---	---
3	17010.000	64.60	-13.24	77.84	46.24	43.69	8.65	33.98	Peak	---	---

Vertical



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8840.000	53.17	-24.67	77.84	44.14	38.23	6.09	35.29	Peak	---	---
2	11340.000	55.75	-7.79	63.54	43.14	40.53	6.80	34.72	PK	---	---
3	17010.000	63.89	-13.95	77.84	45.53	43.69	8.65	33.98	Peak	---	---

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

The limits above 5GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

3.7 Band Edge and Fundamental Emissions Measurement

3.7.1 Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

3.7.2 Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	1 MHz /1 MHz for Peak

3.7.3 Test Procedures

1. The test procedure is the same as section 3.6.3, only the frequency range investigated is limited to 100MHz around band edges.
2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

3.7.4 Test Setup Layout

This test setup layout is the same as that shown in section 3.6.4.

3.7.5 Test Deviation

There is no deviation with the original standard.

3.7.6 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

3.7.7 Test Result of Band Edge and Fundamental Emissions

For Single Chain:

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 36, 40, 48

Channel 36

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5127.400	59.53	-4.01	63.54	18.56	36.19	4.78	0.00	Average	---	---
2 @	5178.200	104.55			63.49	36.26	4.80	0.00	Average	---	---
1	5144.700	73.15	-10.39	83.54	32.16	36.21	4.78	0.00	Peak	---	---
2 @	5181.500	114.85			73.79	36.26	4.80	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 40

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5147.400	59.99	-3.55	63.54	19.00	36.21	4.78	0.00	Average	---	---
2 @	5197.800	105.84			64.75	36.28	4.81	0.00	Average	---	---
3 @	5373.300	59.24	-4.30	63.54	17.86	36.51	4.87	0.00	Average	---	---
1	5135.400	72.02	-11.52	83.54	31.05	36.19	4.78	0.00	Peak	---	---
2 @	5201.400	115.88			74.79	36.28	4.81	0.00	Peak	---	---
3	5391.000	72.30	-11.24	83.54	30.88	36.54	4.88	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 48

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5136.600	59.47	-4.07	63.54	18.50	36.19	4.78	0.00	Average	---	---
2 @	5237.700	106.15			65.00	36.33	4.82	0.00	Average	---	---
3 @	5351.700	59.36	-4.18	63.54	18.00	36.49	4.87	0.00	Average	---	---
1	5116.200	72.42	-11.12	83.54	31.48	36.16	4.78	0.00	Peak	---	---
2 @	5241.300	116.26			75.11	36.33	4.82	0.00	Peak	---	---
3	5355.000	72.33	-11.21	83.54	30.97	36.49	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 52, 56, 64

Channel 52

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5146.200	59.39	-4.15	63.54	18.40	36.21	4.78	0.00	Average	---	---
2 @	5258.100	104.96			63.79	36.35	4.82	0.00	Average	---	---
3 @	5373.000	59.31	-4.23	63.54	17.93	36.51	4.87	0.00	Average	---	---
1	5118.600	72.23	-11.31	83.54	31.29	36.16	4.78	0.00	Peak	---	---
2 @	5261.400	115.25			74.06	36.37	4.82	0.00	Peak	---	---
3	5355.000	72.65	-10.89	83.54	31.29	36.49	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 56

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5140.200	59.47	-4.07	63.54	18.48	36.21	4.78	0.00	Average	---	---
2 @	5278.200	105.21			63.97	36.40	4.84	0.00	Average	---	---
3 @	5355.000	59.33	-4.21	63.54	17.97	36.49	4.87	0.00	Average	---	---
1	5113.800	71.76	-11.78	83.54	30.83	36.16	4.77	0.00	Peak	---	---
2 @	5280.900	115.15			73.91	36.40	4.84	0.00	Peak	---	---
3	5362.200	72.21	-11.33	83.54	30.83	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 64

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5318.050	103.82			62.53	36.44	4.85	0.00	Average	---	---
2 @	5372.370	59.27	-4.27	63.54	17.89	36.51	4.87	0.00	Average	---	---
1 @	5321.410	114.44			73.15	36.44	4.85	0.00	Peak	---	---
2	5361.660	72.63	-10.91	83.54	31.25	36.51	4.87	0.00	Peak	---	---

The item 1 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11a Ch. 100, 116, 140

Channel 100

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5447.200	60.10	-3.44	63.54	18.57	36.63	4.90	0.00	Average	---	---
2 @	5498.080	104.62			63.01	36.70	4.91	0.00	Average	---	---
1	5443.360	73.85	-9.69	83.54	32.34	36.61	4.90	0.00	Peak	---	---
2 @	5498.640	114.96			73.35	36.70	4.91	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 116

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5457.840	59.56	-3.98	63.54	18.03	36.63	4.90	0.00	Average	---	---
2 @	5577.840	105.30			63.57	36.78	4.95	0.00	Average	---	---
3	5726.640	60.29	-17.55	77.84	18.28	36.97	5.04	0.00	Average	---	---
1	5444.720	71.84	-11.70	83.54	30.33	36.61	4.90	0.00	Peak	---	---
2 @	5581.680	115.43			73.68	36.80	4.95	0.00	Peak	---	---
3 @	5729.200	72.74	-5.10	77.84	30.73	36.97	5.04	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 140

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5698.100	103.39			61.44	36.93	5.02	0.00	Average	---	---
2	5725.000	60.09	-17.75	77.84	18.08	36.97	5.04	0.00	Average	---	---
1 @	5698.520	113.91			71.96	36.93	5.02	0.00	Peak	---	---
2 @	5728.820	73.48	-4.36	77.84	31.47	36.97	5.04	0.00	Peak	---	---

The item 1 is fundamental emissions.

For Two Chains:

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 36, 40, 48 (20MHz)

Channel 36

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5127.800	60.00	-3.54	63.54	19.03	36.19	4.78	0.00	Average	---	---
2 @	5181.100	105.20			64.14	36.26	4.80	0.00	Average	---	---
1	5139.400	72.93	-10.61	83.54	31.96	36.19	4.78	0.00	Peak	---	---
2 @	5182.600	116.89			75.83	36.26	4.80	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 40

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5147.400	60.06	-3.48	63.54	19.07	36.21	4.78	0.00	Average	---	---
2 @	5197.800	104.00			62.91	36.28	4.81	0.00	Average	---	---
3 @	5350.000	59.35	-4.19	63.54	17.99	36.49	4.87	0.00	Average	---	---
1	5148.600	73.74	-9.80	83.54	32.75	36.21	4.78	0.00	Peak	---	---
2 @	5196.600	115.38			74.29	36.28	4.81	0.00	Peak	---	---
3	5361.300	73.94	-9.60	83.54	32.56	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 48

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5148.900	59.47	-4.07	63.54	18.48	36.21	4.78	0.00	Average	---	---
2 @	5237.400	104.10			62.95	36.33	4.82	0.00	Average	---	---
3 @	5367.300	59.35	-4.19	63.54	17.97	36.51	4.87	0.00	Average	---	---
1	5138.100	72.51	-11.03	83.54	31.54	36.19	4.78	0.00	Peak	---	---
2 @	5237.400	115.56			74.41	36.33	4.82	0.00	Peak	---	---
3	5363.400	71.79	-11.75	83.54	30.41	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 52, 56, 64 (20MHz) / (Ant. A + Ant. B)

Channel 52

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5141.700	59.52	-4.02	63.54	18.53	36.21	4.78	0.00	Average	---	---
2 @	5262.900	102.78			61.59	36.37	4.82	0.00	Average	---	---
3 @	5358.600	59.32	-4.22	63.54	17.96	36.49	4.87	0.00	Average	---	---
1	5135.400	72.73	-10.81	83.54	31.76	36.19	4.78	0.00	Peak	---	---
2 @	5256.600	114.19			73.02	36.35	4.82	0.00	Peak	---	---
3	5376.900	73.26	-10.28	83.54	31.88	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 56

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5129.700	59.53	-4.01	63.54	18.56	36.19	4.78	0.00	Average	---	---
2 @	5278.200	103.47			62.23	36.40	4.84	0.00	Average	---	---
3 @	5361.000	59.48	-4.06	63.54	18.10	36.51	4.87	0.00	Average	---	---
1	5103.300	73.22	-10.32	83.54	32.31	36.14	4.77	0.00	Peak	---	---
2 @	5277.000	114.80			73.56	36.40	4.84	0.00	Peak	---	---
3	5361.000	72.61	-10.93	83.54	31.23	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 64

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5318.260	101.93			60.64	36.44	4.85	0.00	Average	---	---
2 @	5371.530	59.65	-3.89	63.54	18.27	36.51	4.87	0.00	Average	---	---
1 @	5316.650	113.10			71.81	36.44	4.85	0.00	Peak	---	---
2	5361.660	73.26	-10.28	83.54	31.88	36.51	4.87	0.00	Peak	---	---

The item 1 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 100, 116, 140 (20MHz)

Channel 100

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5448.080	59.53	-4.01	63.54	18.00	36.63	4.90	0.00	Average	---	---
2 @	5496.480	101.85			60.26	36.68	4.91	0.00	Average	---	---
1	5434.080	73.30	-10.24	83.54	31.79	36.61	4.90	0.00	Peak	---	---
2 @	5497.040	113.89			72.28	36.70	4.91	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 116

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5460.000	59.51	-4.03	63.54	17.98	36.63	4.90	0.00	Average	---	---
2 @	5581.680	99.20			57.45	36.80	4.95	0.00	Average	---	---
3	5726.640	60.14	-17.70	77.84	18.13	36.97	5.04	0.00	Average	---	---
1	5433.520	73.00	-10.54	83.54	31.49	36.61	4.90	0.00	Peak	---	---
2 @	5578.160	110.56			68.83	36.78	4.95	0.00	Peak	---	---
3 @	5736.880	72.76	-5.08	77.84	30.73	36.99	5.04	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 140

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5698.760	99.74			57.79	36.93	5.02	0.00	Average	---	---
2	5726.900	59.82	-18.02	77.84	17.81	36.97	5.04	0.00	Average	---	---
1 @	5698.280	111.40			69.45	36.93	5.02	0.00	Peak	---	---
2 @	5733.380	73.11	-4.73	77.84	31.10	36.97	5.04	0.00	Peak	---	---

The item 1 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 38, 46 (40MHz)

Channel 38

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5150.000	60.09	-3.45	63.54	19.10	36.21	4.78	0.00	Average	---	---
2 @	5191.900	101.09			60.01	36.28	4.80	0.00	Average	---	---
1	5141.800	73.65	-9.89	83.54	32.66	36.21	4.78	0.00	Peak	---	---
2 @	5191.500	112.25			71.17	36.28	4.80	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 46

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5148.500	59.59	-3.95	63.54	18.60	36.21	4.78	0.00	Average	---	---
2 @	5224.500	101.22			60.11	36.30	4.81	0.00	Average	---	---
3 @	5357.750	59.46	-4.08	63.54	18.10	36.49	4.87	0.00	Average	---	---
1	5130.500	73.03	-10.51	83.54	32.06	36.19	4.78	0.00	Peak	---	---
2 @	5225.750	112.16			71.02	36.33	4.81	0.00	Peak	---	---
3	5361.750	72.24	-11.30	83.54	30.86	36.51	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 54

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5129.700	59.54	-4.00	63.54	18.57	36.19	4.78	0.00	Average	---	---
2 @	5267.400	100.52			59.33	36.37	4.82	0.00	Average	---	---
3 @	5350.000	59.27	-4.27	63.54	17.91	36.49	4.87	0.00	Average	---	---
1	5119.800	73.77	-9.77	83.54	32.83	36.16	4.78	0.00	Peak	---	---
2 @	5277.000	111.73			70.49	36.40	4.84	0.00	Peak	---	---
3	5386.500	72.92	-10.62	83.54	31.51	36.54	4.87	0.00	Peak	---	---

The item 2 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 62, 102 (40MHz)

Channel 62

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5304.200	100.26			59.00	36.42	4.84	0.00	Average	---	---
2 @	5351.100	59.33	-4.21	63.54	17.97	36.49	4.87	0.00	Average	---	---
1 @	5306.200	111.46			70.20	36.42	4.84	0.00	Peak	---	---
2 @	5354.700	72.70	-10.84	83.54	31.34	36.49	4.87	0.00	Peak	---	---

The item 1 is fundamental emissions.

Channel 102

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5455.000	59.47	-4.07	63.54	17.94	36.63	4.90	0.00	Average	---	---
2 @	5507.000	98.90			57.27	36.70	4.93	0.00	Average	---	---
1 @	5433.900	72.63	-10.91	83.54	31.12	36.61	4.90	0.00	Peak	---	---
2 @	5499.800	110.53			68.92	36.70	4.91	0.00	Peak	---	---

The item 2 is fundamental emissions.

Final Test Date	Jan. 17, 2012	Test Site No.	03CH02-HY
Temperature	20°C	Humidity	66%
Test Engineer	Streak	Configuration	802.11n Ch. 110, 134 (40MHz) / (Ant. A + Ant. B)

Channel 110

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5445.700	59.84	-3.70	63.54	18.31	36.63	4.90	0.00	Average	---	---
2 @	5546.500	99.81			58.12	36.74	4.95	0.00	Average	---	---
3	5727.700	60.35	-17.49	77.84	18.34	36.97	5.04	0.00	Average	---	---
1	5444.500	72.18	-11.36	83.54	30.67	36.61	4.90	0.00	Peak	---	---
2 @	5543.800	111.09			69.40	36.74	4.95	0.00	Peak	---	---
3 @	5725.300	72.72	-5.12	77.84	30.71	36.97	5.04	0.00	Peak	---	---

The item 2 is fundamental emissions.

Channel 134

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5673.800	98.22			56.29	36.91	5.02	0.00	Average	---	---
2	5725.500	60.06	-17.78	77.84	18.05	36.97	5.04	0.00	Average	---	---
1 @	5671.100	109.48			67.55	36.91	5.02	0.00	Peak	---	---
2 @	5746.600	73.05	-4.79	77.84	30.99	36.99	5.07	0.00	Peak	---	---

The item 1 is fundamental emissions.

3.8 Frequency Stability Measurement

3.8.1 Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user’s manual or ±20ppm (IEEE 802.11a specification).

3.8.2 Measuring Instruments and Setting

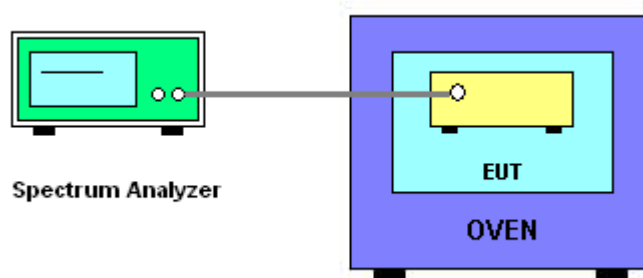
Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

3.8.3 Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f) / f_c \times 10^6$ ppm and the limit is less than ±20ppm (IEEE 802.11a specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature rule is -20°C~50°C.
8. Measuring multiple antennas, the connectors are required to link with Spectrum Analyzer through a combiner.

3.8.4 Test Setup Layout



3.8.5 Test Deviation

There is no deviation with the original standard.

3.8.6 EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

3.8.7 Test Result of Frequency Stability

**Voltage vs. Frequency Stability
For Single Chain**

Voltage	Measurement Frequency (MHz)
(V)	IEEE 802.11a 5320 MHz
126.5	5319.964000
110.00	5319.963400
93.5	5319.962800
Max. Deviation (MHz)	0.037200
Max. Deviation (ppm)	6.99

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	IEEE 802.11a 5320 MHz
-20	5319.991600
-10	5319.993400
0	5319.987400
10	5319.988000
20	5319.977800
30	5319.964000
40	5319.961600
50	5319.968200
Max. Deviation (MHz)	0.038400
Max. Deviation (ppm)	7.22

For Two Chains

Voltage	Measurement Frequency (MHz)
(V)	IEEE 802.11n (40MHz) 5190 MHz
126.5	5189.999819
110.00	5189.999996
93.5	5189.999832
Max. Deviation (MHz)	0.000181
Max. Deviation (ppm)	0.03

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	IEEE 802.11n (40MHz) 5190 MHz
-20	5189.999413
-10	5189.999157
0	5189.999543
10	5189.999313
20	5189.999996
30	5189.999370
40	5189.998744
50	5189.998159
Max. Deviation (MHz)	0.001841
Max. Deviation (ppm)	0.35

3.9 Antenna Requirements

3.9.1 Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

3.9.2 Antenna Connector Construction

Please refer to section 2.2 in this test report; antenna connector complied with the requirements.

4 LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	Apr. 06, 2010	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99041	9kHz – 30MHz	Mar. 23, 2010	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Apr. 29, 2010	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2010	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 40	100305	9 KHz ~ 40 GHz	Feb. 11, 2011	Conducted (TH01-HY)
DC Power Source	G.W.	GPC-6030D	C671845	DC 1V ~ 60V	Jun. 03, 2011	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-S	MAB0103-001	N/A	Nov. 17, 2011	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10 MHz ~ 40 GHz	Jun. 07, 2011	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	1027452	300 MHz ~ 40 GHz	Jun. 16, 2011	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	1124009	300 MHz ~ 40 GHz	Jun. 20, 2011	Conducted (TH01-HY)
RF Cable-1m	Jye Bao	RG142	CB034-1m	20 MHz ~ 7 GHz	Dec. 03, 2011	Conducted (TH01-HY)
RF Cable-2m	Jye Bao	RG142	CB035-2m	20 MHz ~ 1 GHz	Dec. 03, 2011	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
AC Power Source	HPC	HPA-500W	HPA-9100024	AC 0 ~ 300V	Jun. 09, 2011*	Conducted (TH01-HY)

Note: Calibration Interval of instruments listed above is two year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9 kHz ~ 40 GHz	Aug. 08, 2011	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30 MHz ~ 1 GHz 3m	May 11, 2011	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100 kHz ~ 1.3 GHz	Jul. 25, 2011	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02373	1 GHz ~ 26.5 GHz	Jul. 25, 2011	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1 GHz ~ 18 GHz	Nov. 15, 2011	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz ~ 1 GHz	Nov. 11, 2011	Radiation (03CH02-HY)
RF Cable-high	SUHNER	SUCOFLEX106	03CH02-HY	1 GHz ~ 40 GHz	Mar. 07, 2011	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30 MHz ~ 2 GHz	Oct. 22, 2011	Radiation (03CH02-HY)
Turn Table	HD	DS 420	420/649/00	0 - 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	HD	MA 240	240/559/00	1 m - 4 m	N/A	Radiation (03CH02-HY)

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	Jul. 29, 2010*	Radiation (03CH03-HY)

Note: Calibration Interval of instruments listed above is two year.

5 TEST LOCATION

SHIJR	ADD : 6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255
HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
LINKOU	ADD : No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C TEL : 886-2-2601-1640 FAX : 886-2-2601-1695
DUNGHU	ADD : No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C. TEL : 886-2-2631-4739 FAX : 886-2-2631-9740
JUNGHE	ADD : 7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C. TEL : 886-2-8227-2020 FAX : 886-2-8227-2626
NEIHU	ADD : 4Fl., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C. TEL : 886-2-2794-8886 FAX : 886-2-2794-9777
JHUBEI	ADD : No.8, Lane 728, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

6 TAF CERTIFICATE OF ACCREDITATION



Certificate No. : L1190-110111

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.**EMC & Wireless Communications Laboratory**

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien,
Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2005
Accreditation Number : 1190
Originally Accredited : December 15, 2003
Effective Period : January 10, 2010 to January 09, 2013
Accredited Scope : Testing Field, see described in the Appendix
Specific Accreditation Program : Accreditation Program for Designated Testing Laboratory for Commodities Inspection
Accreditation Program for Telecommunication Equipment Testing Laboratory
Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities

Jay-San Chen
President, Taiwan Accreditation Foundation
Date : January 11, 2011

P1, total 24 pages