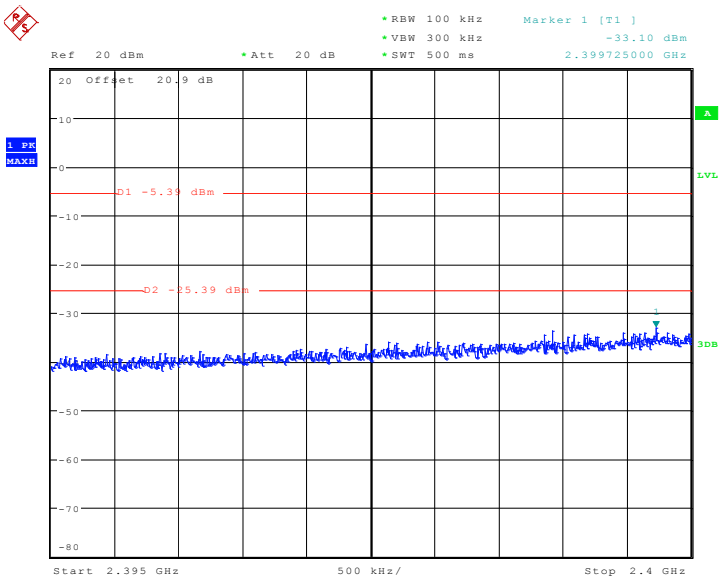
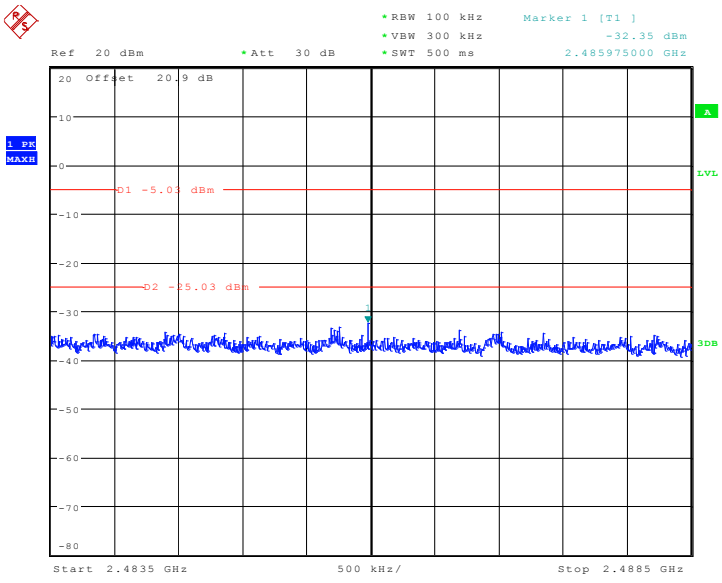
Low Band Edge Plot on 802.11n Channel 03- Chain 2



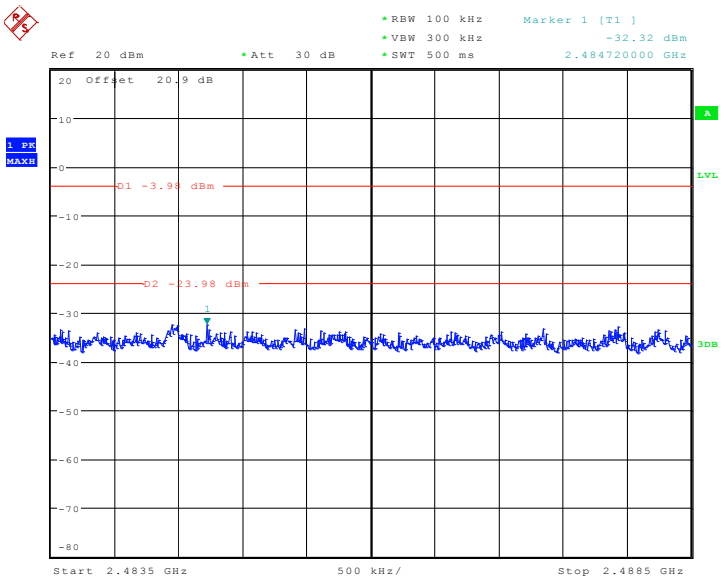
Date: 5.NOV.2010 18:26:15

High Band Edge Plot on 802.11n Channel 09- Chain 0



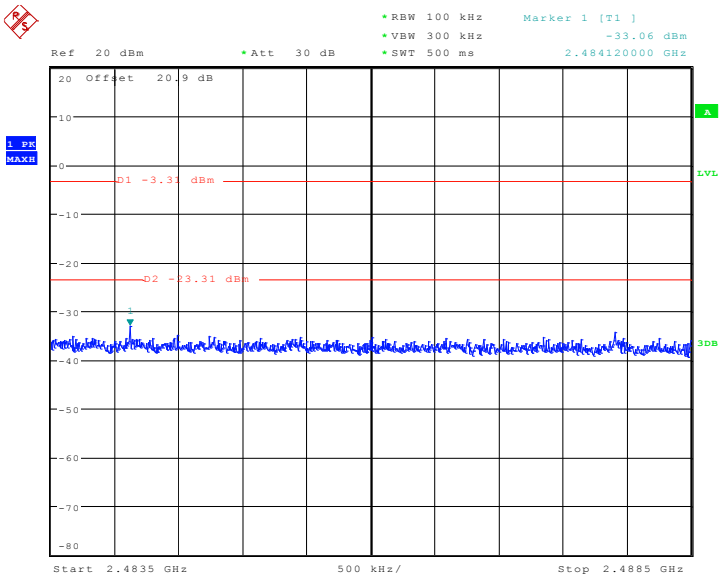
Date: 5.NOV.2010 18:43:28

High Band Edge Plot on 802.11n Channel 09- Chain 1



Date: 5.NOV.2010 18:31:40

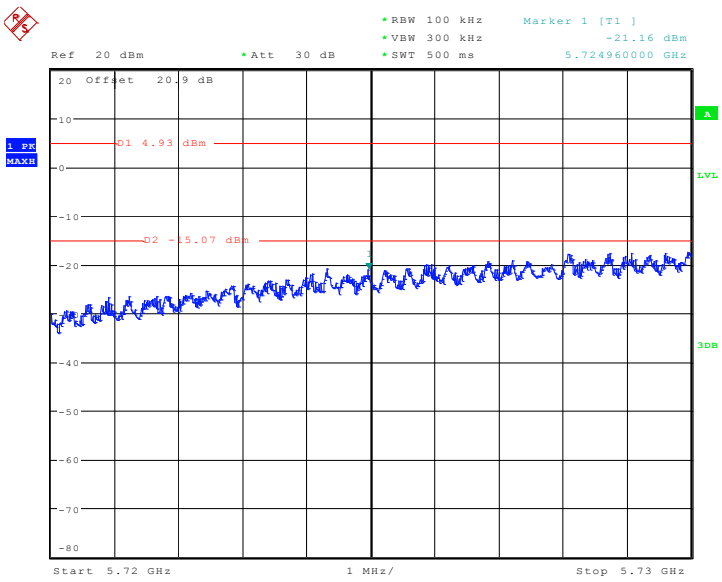
High Band Edge Plot on 802.11n Channel 09- Chain 2



Date: 5.NOV.2010 18:29:49

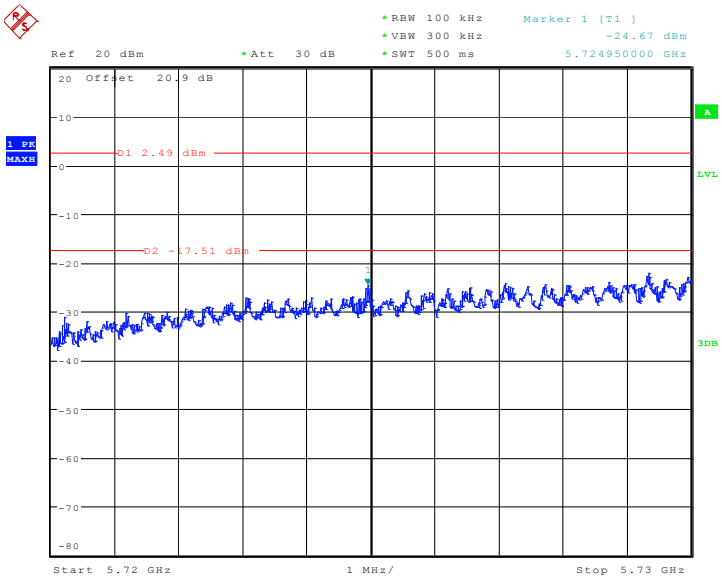
Test Mode :	802.11n (HT-20) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-20)	**Relative Humidity :**	64~66%
Test Channel :	149 and 165	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 149- Chain 0



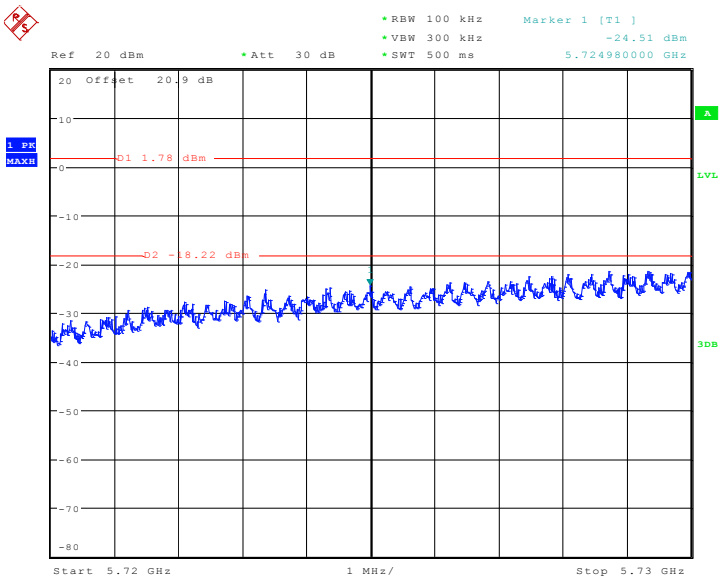
Date: 5.NOV.2010 19:36:29

Low Band Edge Plot on 802.11n Channel 149- Chain 1



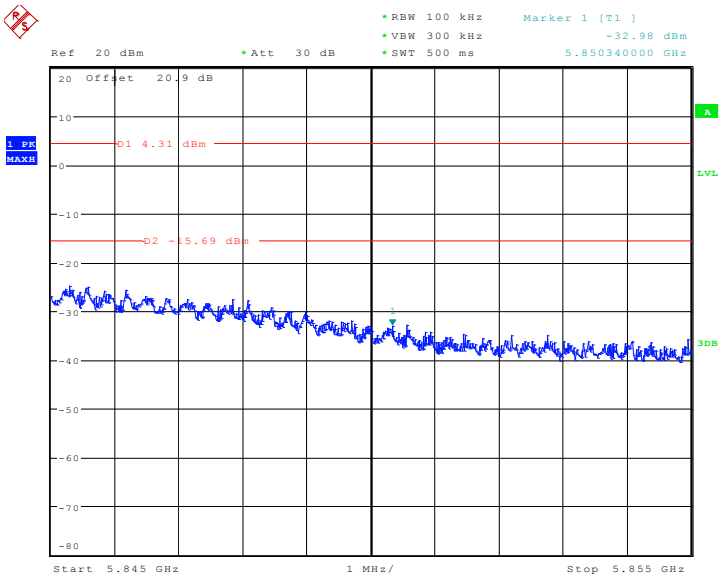
Date: 5.NOV.2010 19:48:29

Low Band Edge Plot on 802.11n Channel 149- Chain 2



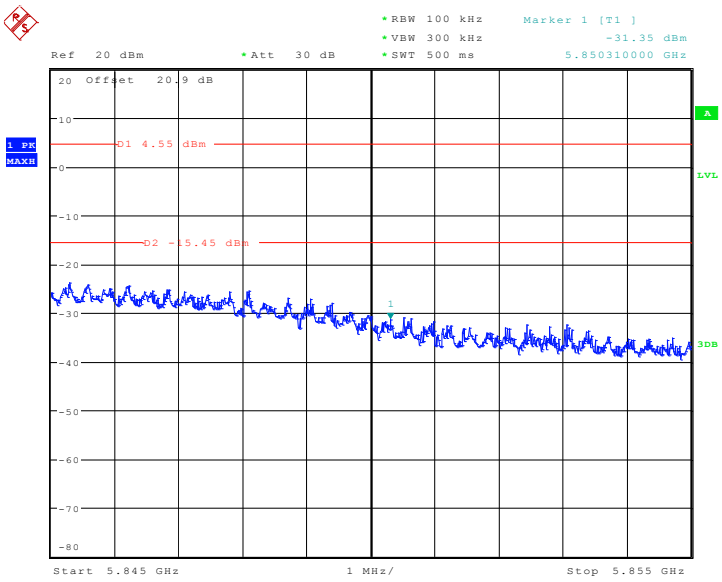
Date: 5.NOV.2010 20:11:43

High Band Edge Plot on 802.11n Channel 165- Chain 0



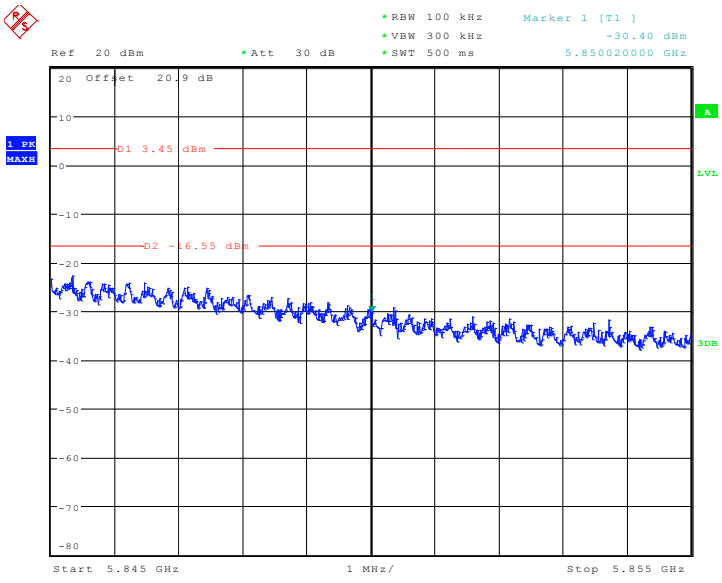
Date: 5.NOV.2010 19:31:51

High Band Edge Plot on 802.11n Channel 165- Chain 1



Date: 5.NOV.2010 19:52:17

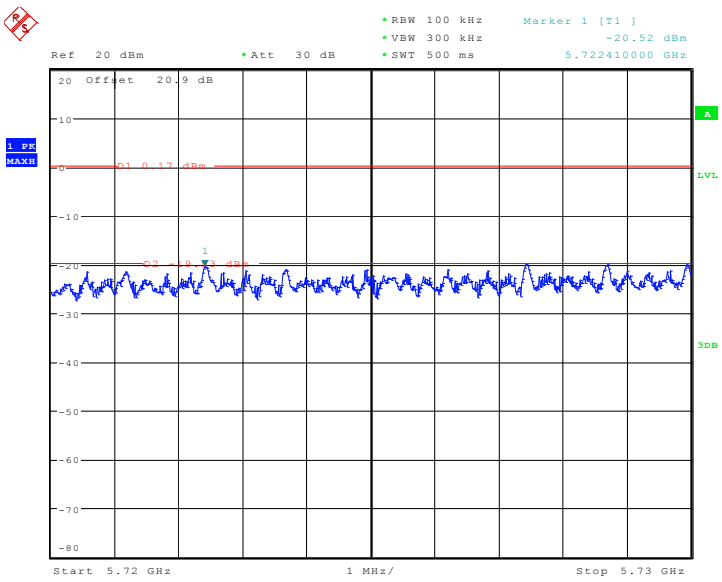
High Band Edge Plot on 802.11n Channel 165- Chain 2



Date: 5.NOV.2010 20:07:07

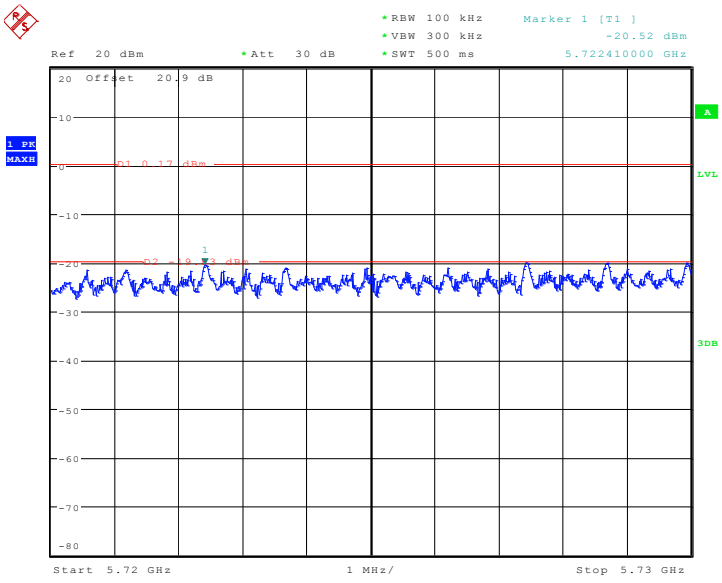
Test Mode :	802.11n (HT-40) L and H channel at 5.8G band	Temperature :	25~27℃
Test Band :	802.11n (HT-40)	Relative Humidity :	64~66%
Test Channel :	151 and 159	Test Engineer :	Lewis He

Low Band Edge Plot on 802.11n Channel 151- Chain 0



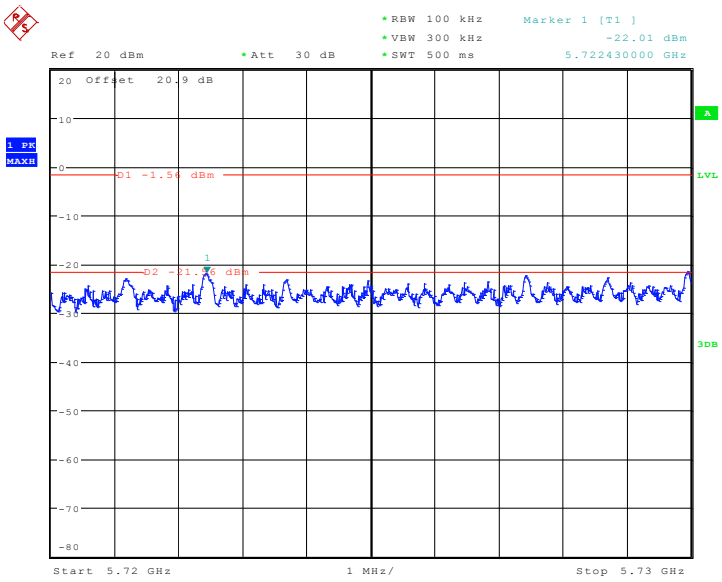
Date: 8.NOV.2010 12:11:57

Low Band Edge Plot on 802.11n Channel 151- Chain 1



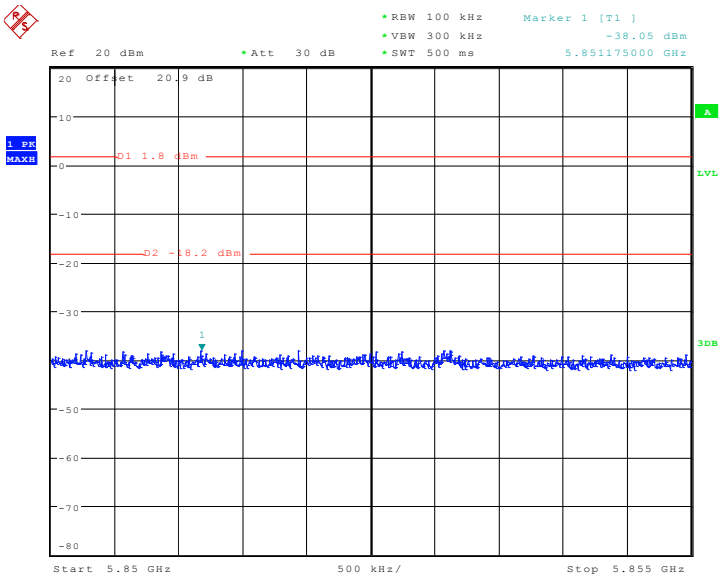
Date: 8.NOV.2010 12:11:57

Low Band Edge Plot on 802.11n Channel 151- Chain 2



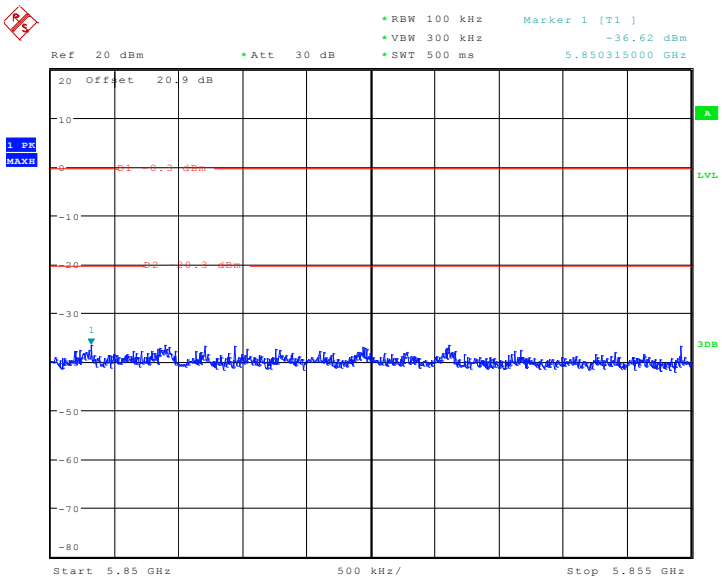
Date: 8.NOV.2010 12:17:51

High Band Edge Plot on 802.11n Channel 159- Chain 0



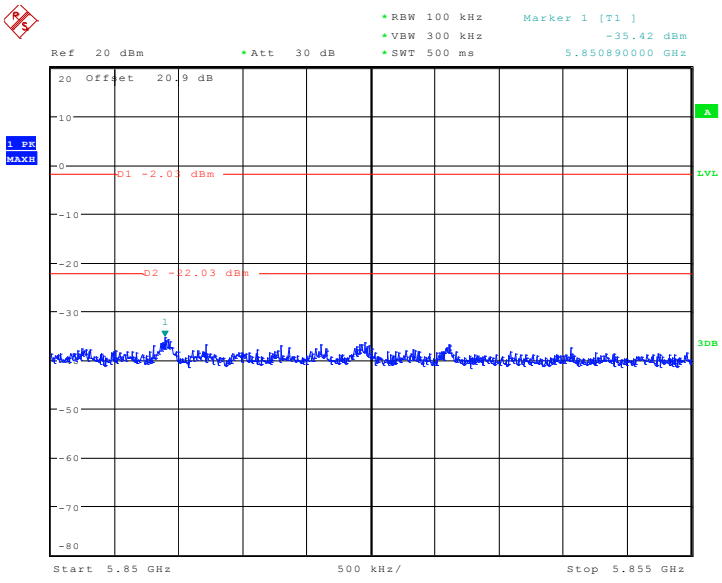
Date: 8.NOV.2010 12:20:08

High Band Edge Plot on 802.11n Channel 159- Chain 1



Date: 8.NOV.2010 12:13:47

High Band Edge Plot on 802.11n Channel 159- Chain 2

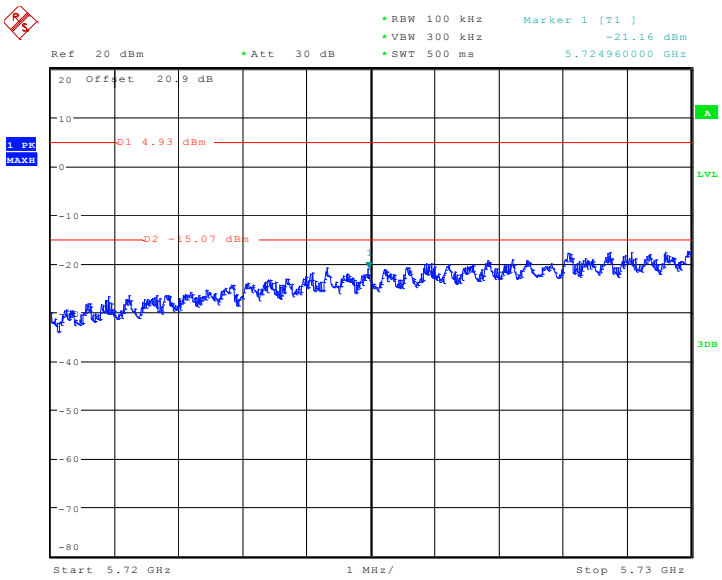


Date: 8.NOV.2010 12:14:58

<Beam-Forming On: 2x3>

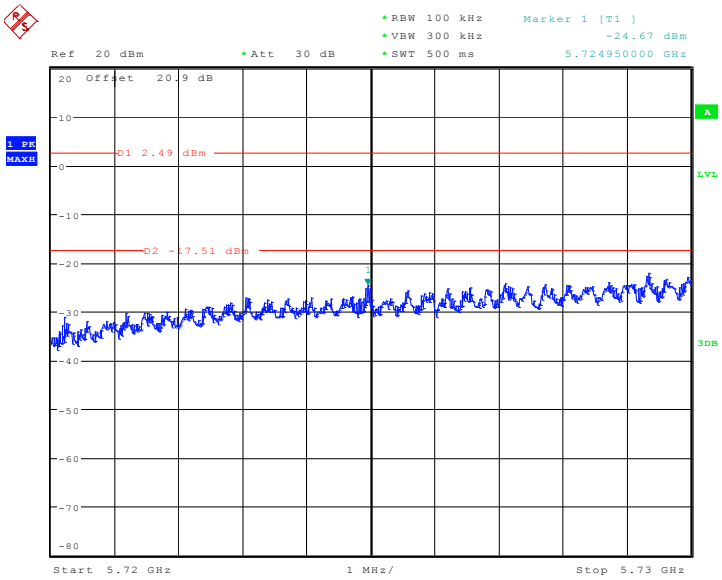
Test Mode :	802.11n (HT-20) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-20)	**Relative Humidity :**	64~66%
Test Channel :	149 and 165	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 149- Chain 0



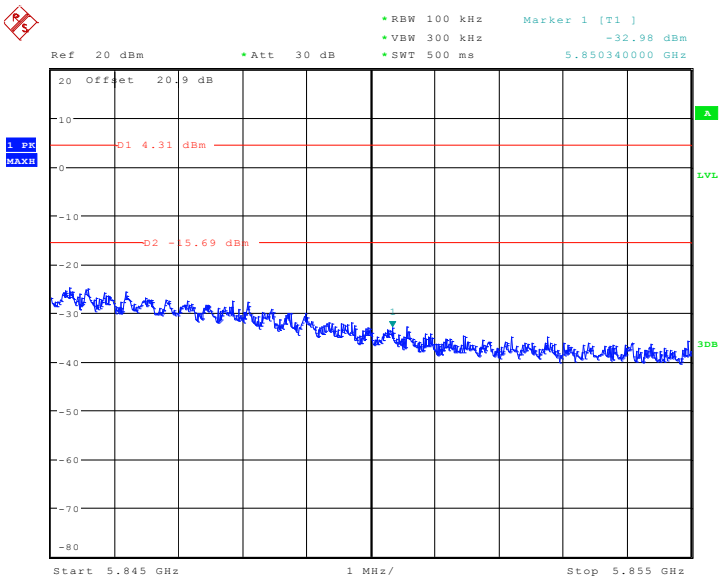
Date: 5.NOV.2010 19:36:29

Low Band Edge Plot on 802.11n Channel 149- Chain 1



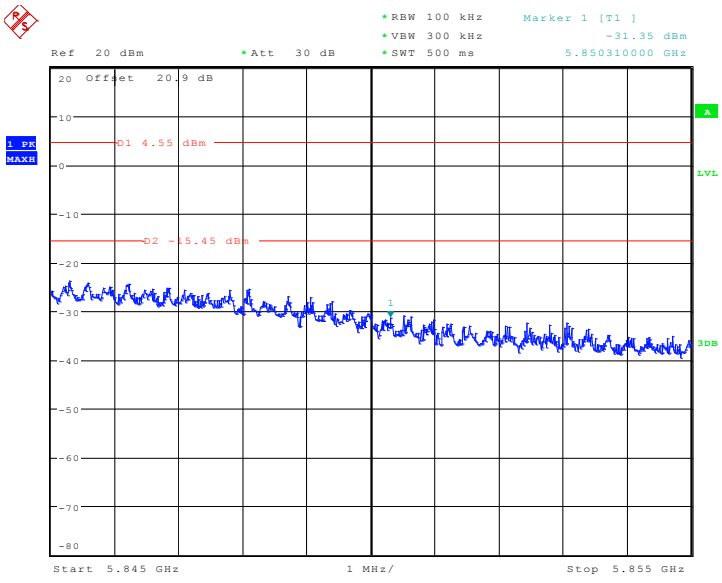
Date: 5.NOV.2010 19:48:29

High Band Edge Plot on 802.11n Channel 165- Chain 0



Date: 5.NOV.2010 19:31:51

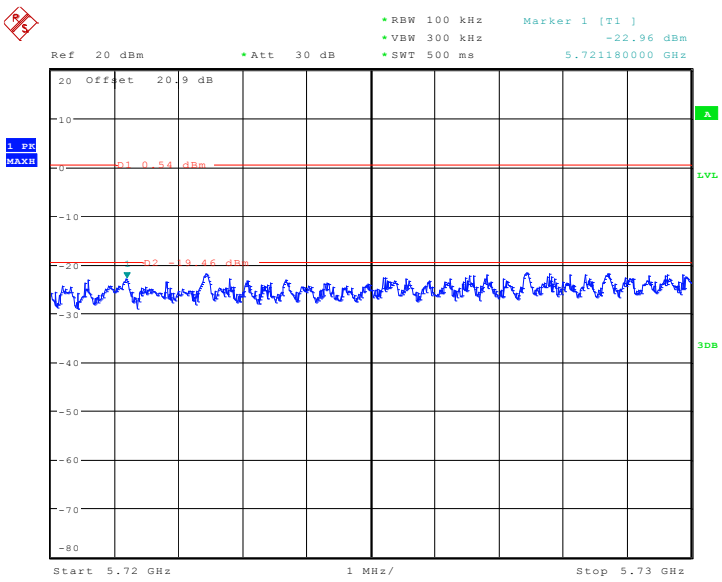
High Band Edge Plot on 802.11n Channel 165- Chain 1



Date: 5.NOV.2010 19:52:17

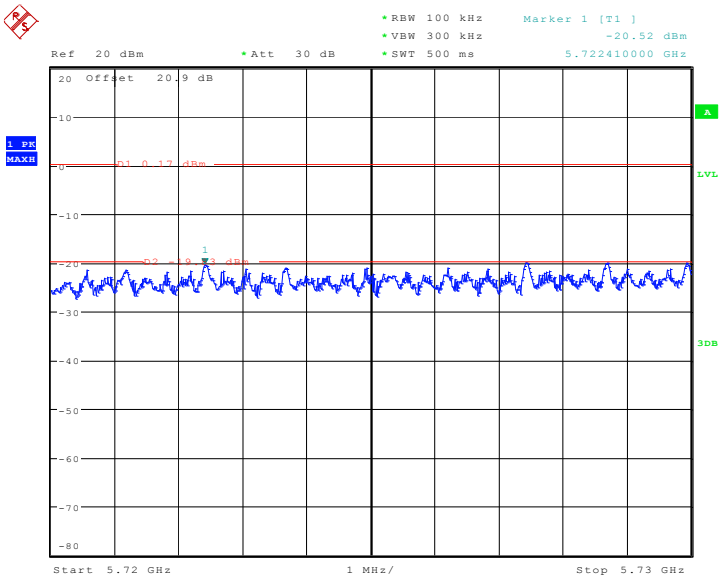
Test Mode :	802.11n (HT-40) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-40)	**Relative Humidity :**	64~66%
Test Channel :	151 and 159	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 151- Chain 0



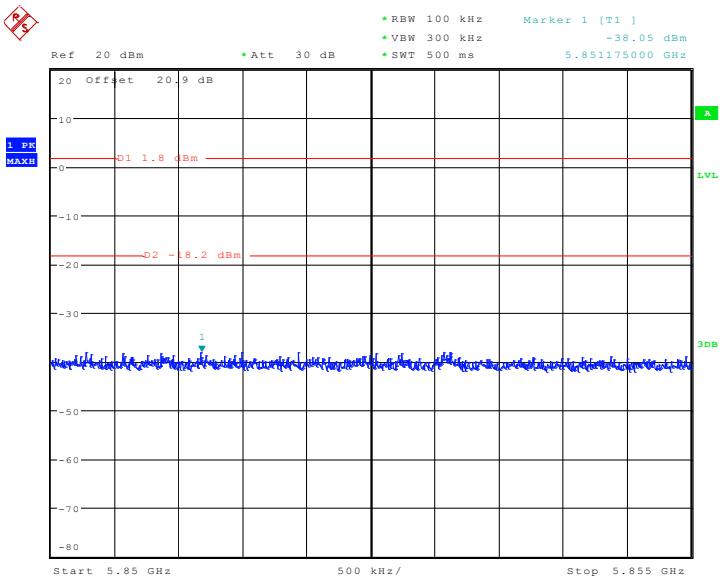
Date: 8.NOV.2010 12:19:04

Low Band Edge Plot on 802.11n Channel 151- Chain 1



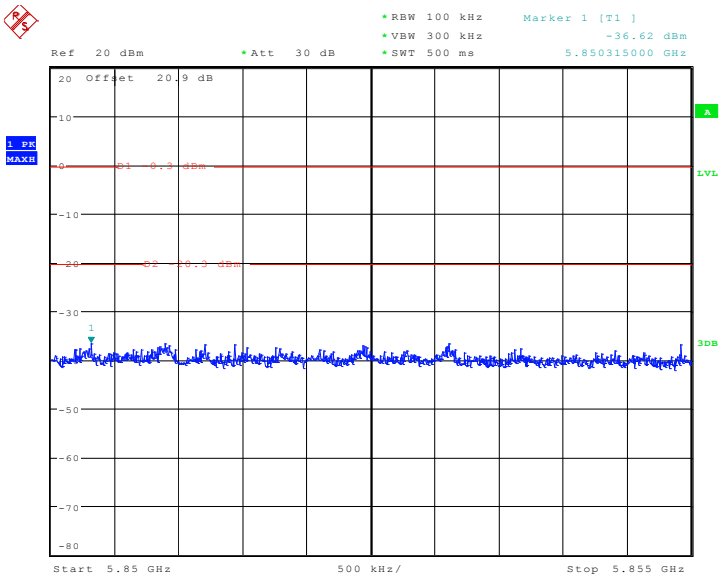
Date: 8.NOV.2010 12:11:57

High Band Edge Plot on 802.11n Channel 159- Chain 0



Date: 8.NOV.2010 12:20:08

High Band Edge Plot on 802.11n Channel 159- Chain 1

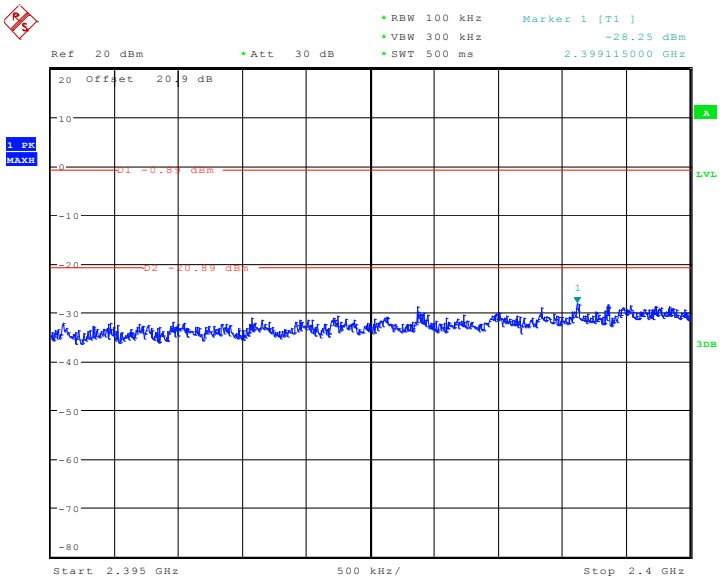


Date: 8.NOV.2010 12:13:47

<Beam-Forming Off: 3x3>

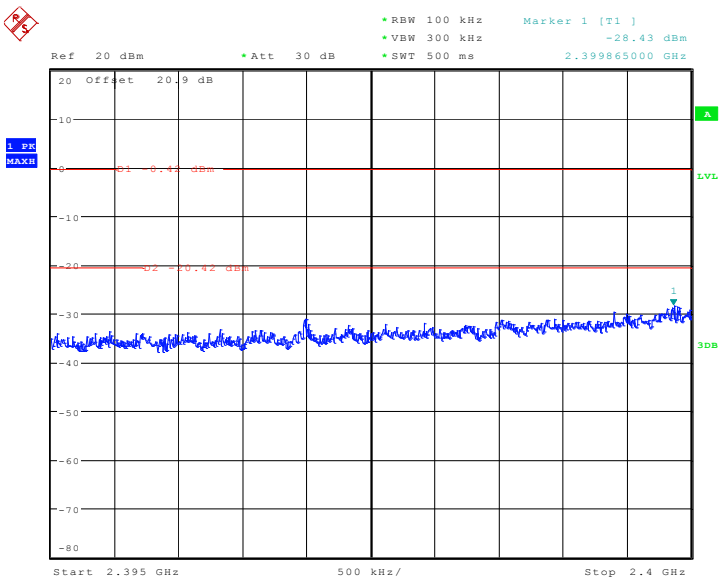
Test Mode :	802.11n (HT-20) L and H channel at 2.4G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-20)	**Relative Humidity :**	64~66%
Test Channel :	01 and 11	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 01- Chain 0



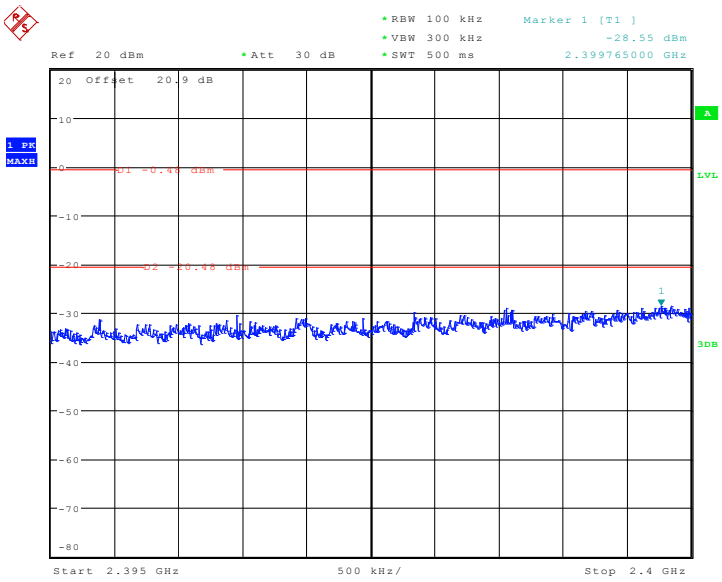
Date: 5.NOV.2010 18:05:19

Low Band Edge Plot on 802.11n Channel 01- Chain 1



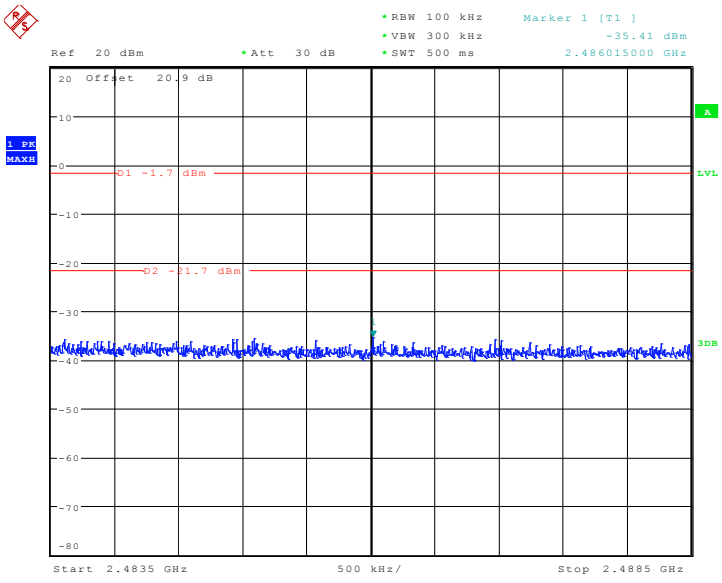
Date: 5.NOV.2010 18:07:01

Low Band Edge Plot on 802.11n Channel 01- Chain 2



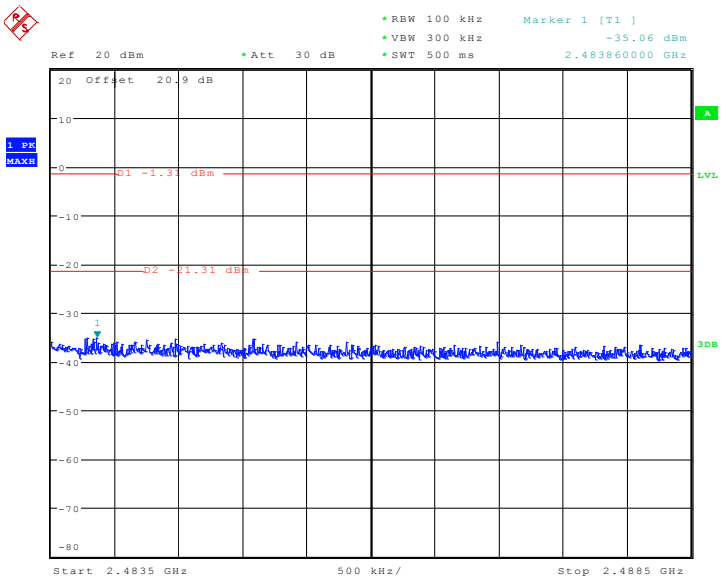
Date: 5.NOV.2010 18:08:38

High Band Edge Plot on 802.11n Channel 11- Chain 0



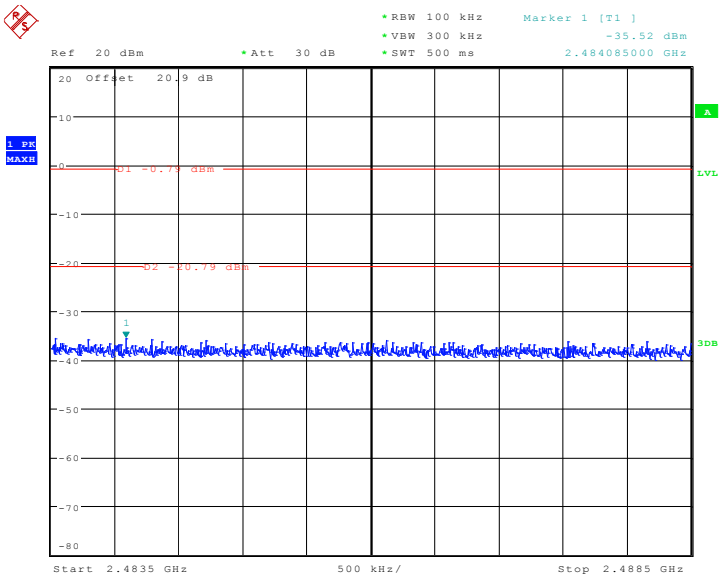
Date: 5.NOV.2010 17:57:00

High Band Edge Plot on 802.11n Channel 11- Chain 1



Date: 5.NOV.2010 17:58:31

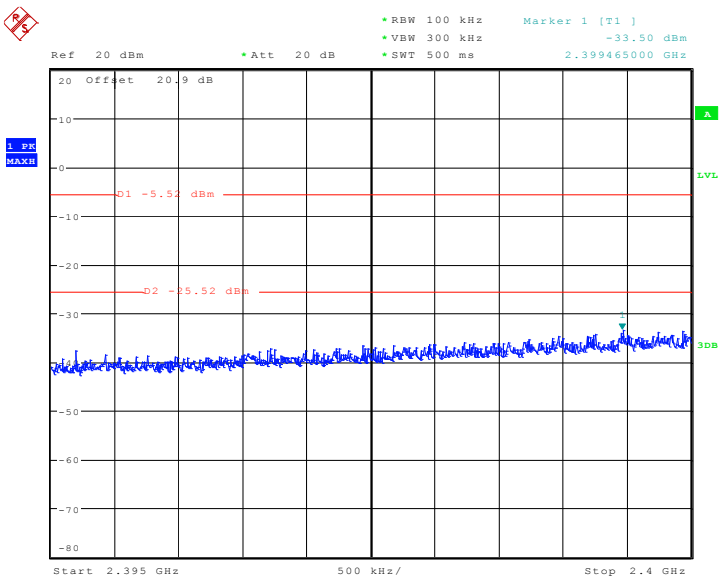
High Band Edge Plot on 802.11n Channel 11- Chain 2



Date: 5.NOV.2010 18:00:19

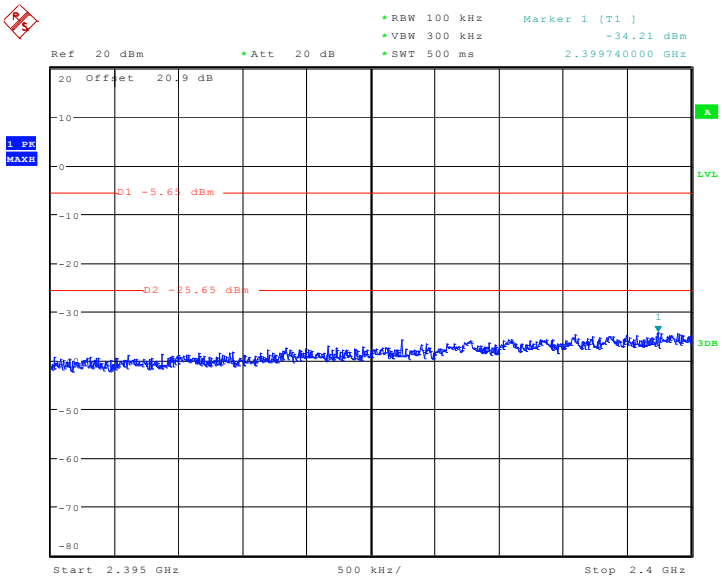
Test Mode :	802.11n (HT-40) L and H channel at 2.4G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-40)	**Relative Humidity :**	64~66%
Test Channel :	03 and 09	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 03- Chain 0



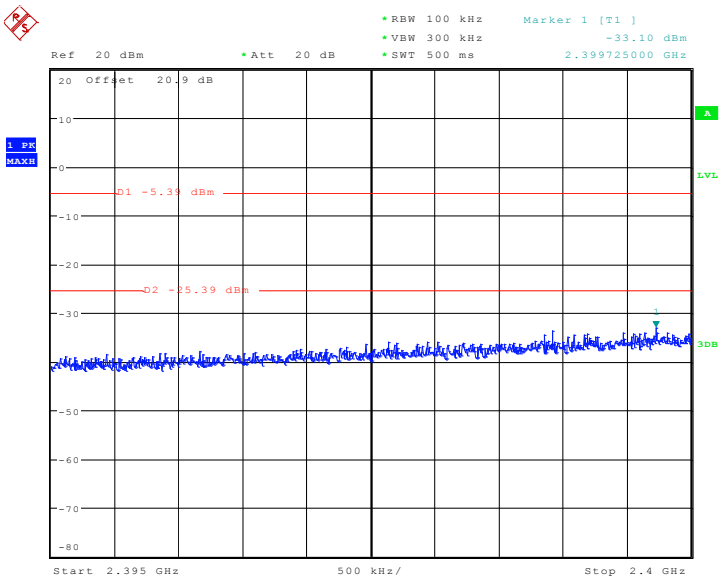
Date: 5.NOV.2010 18:41:12

Low Band Edge Plot on 802.11n Channel 03- Chain 1



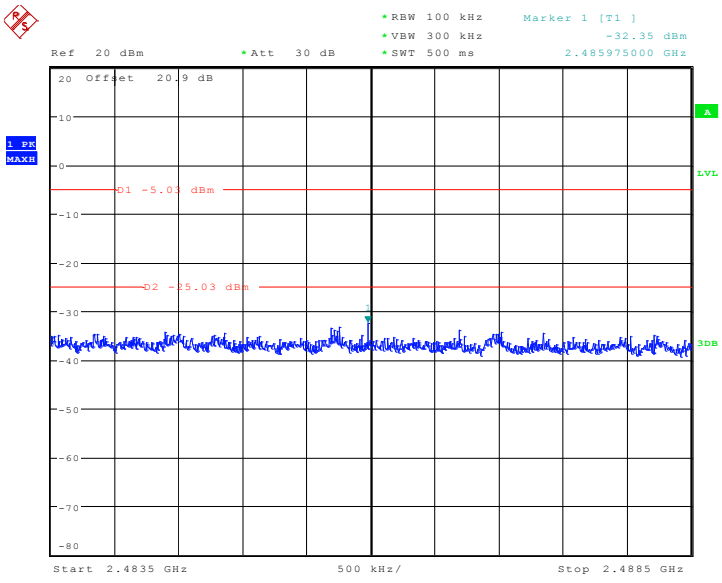
Date: 5.NOV.2010 18:36:17

Low Band Edge Plot on 802.11n Channel 03- Chain 2



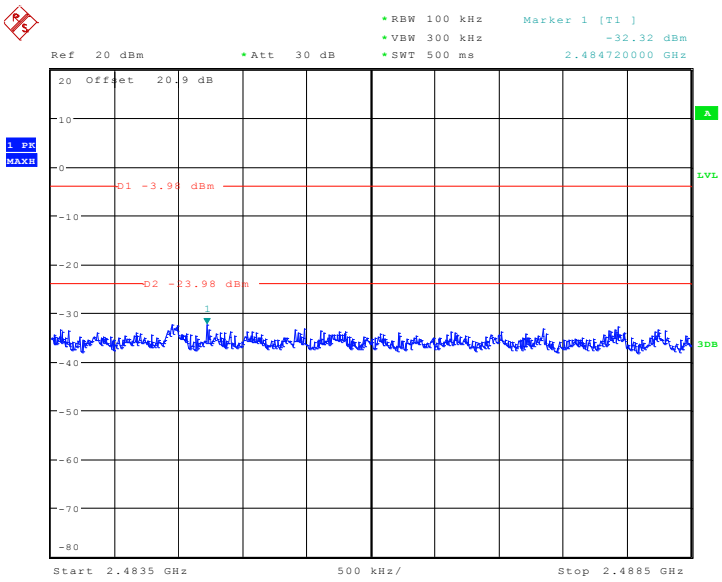
Date: 5.NOV.2010 18:26:15

High Band Edge Plot on 802.11n Channel 09- Chain 0



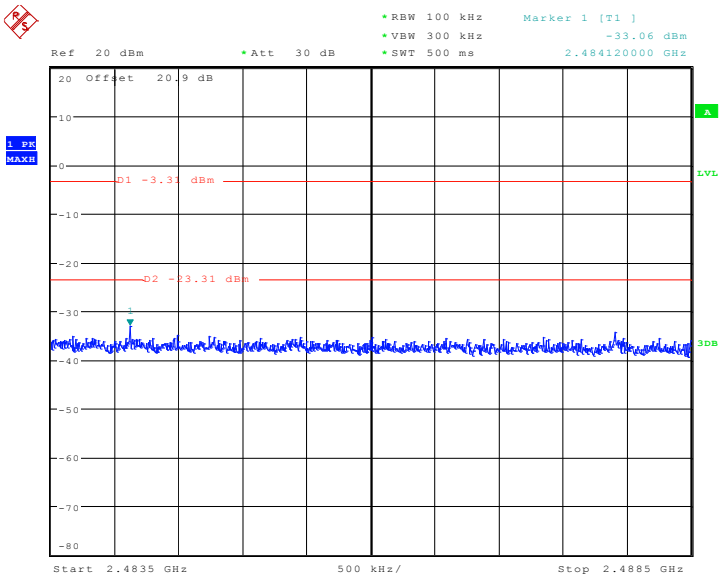
Date: 5.NOV.2010 18:43:28

High Band Edge Plot on 802.11n Channel 09- Chain 1



Date: 5.NOV.2010 18:31:40

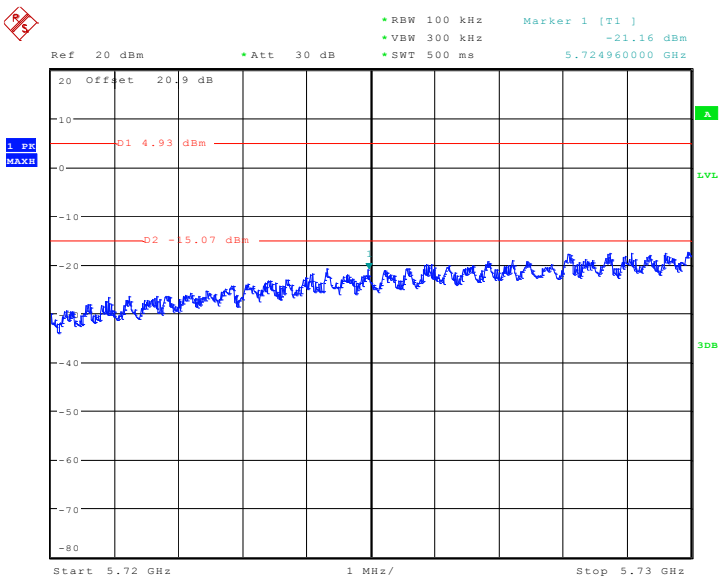
High Band Edge Plot on 802.11n Channel 09- Chain 2



Date: 5.NOV.2010 18:29:49

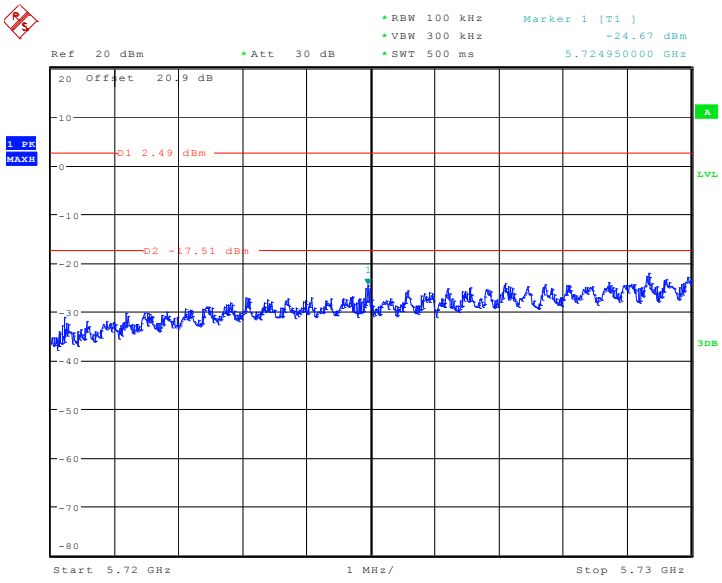
Test Mode :	802.11n (HT-20) L and H channel at 5.8G band	Temperature :	25~27℃
Test Band :	802.11n (HT-20)	Relative Humidity :	64~66%
Test Channel :	149 and 165	Test Engineer :	Lewis He

Low Band Edge Plot on 802.11n Channel 149- Chain 0



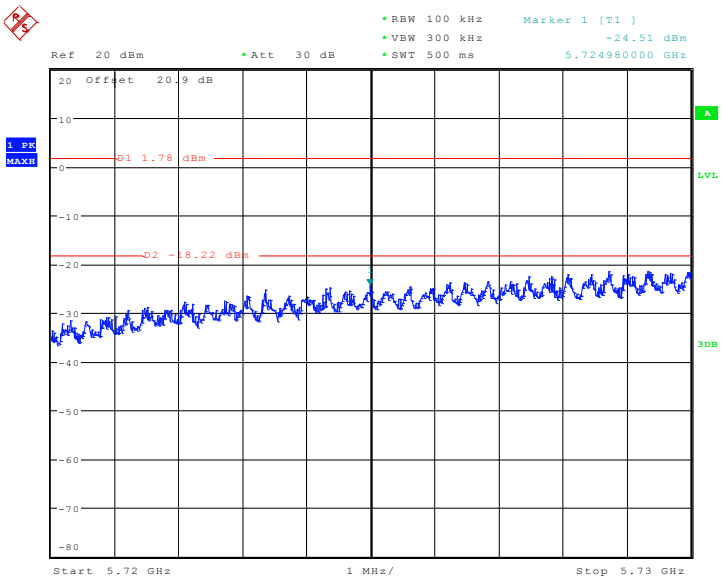
Date: 5.NOV.2010 19:36:29

Low Band Edge Plot on 802.11n Channel 149- Chain 1



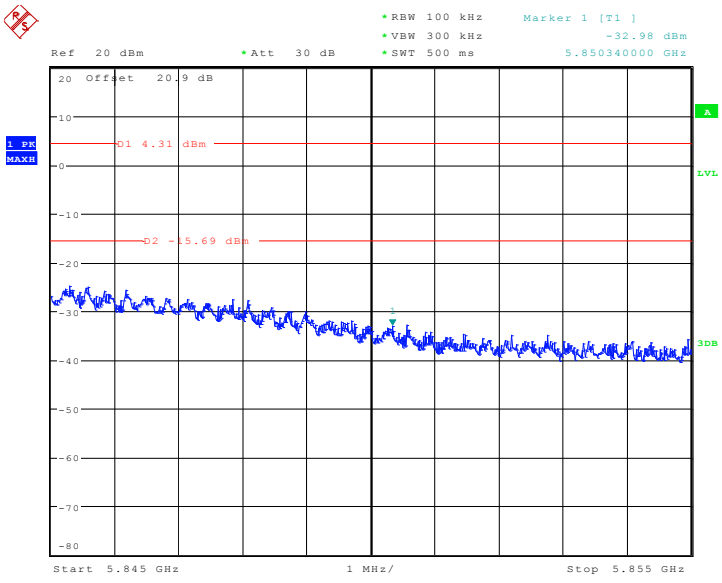
Date: 5.NOV.2010 19:48:29

Low Band Edge Plot on 802.11n Channel 149- Chain 2



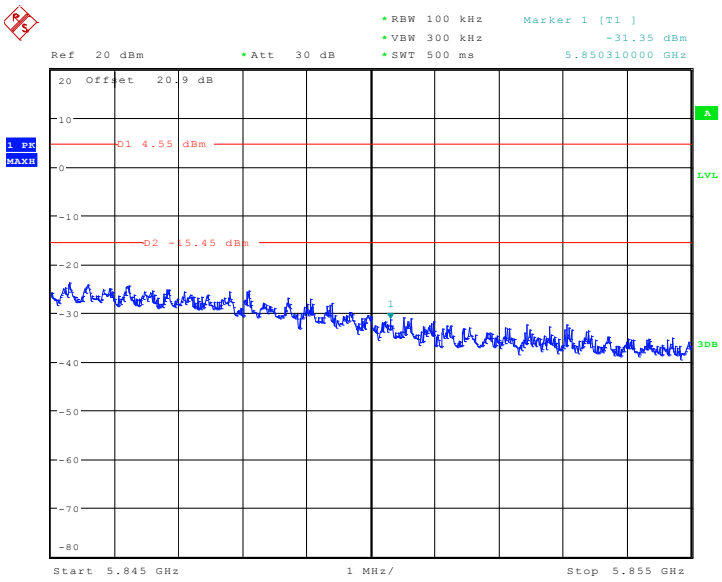
Date: 5.NOV.2010 20:11:43

High Band Edge Plot on 802.11n Channel 165- Chain 0



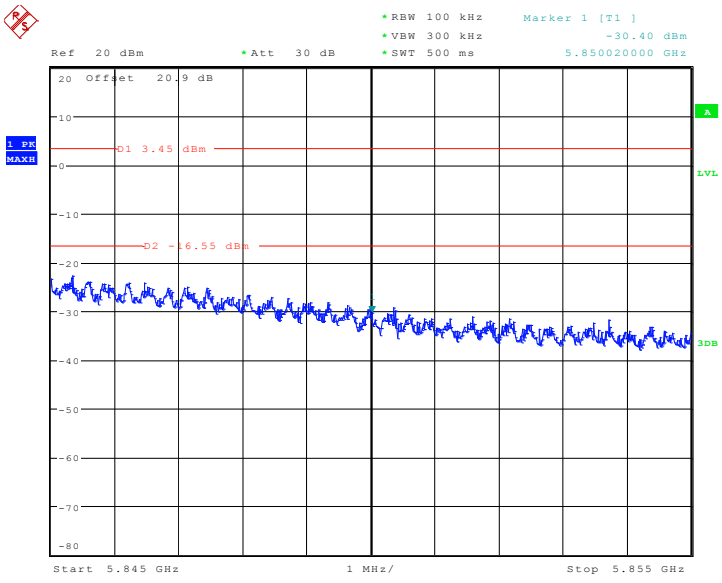
Date: 5.NOV.2010 19:31:51

High Band Edge Plot on 802.11n Channel 165- Chain 1



Date: 5.NOV.2010 19:52:17

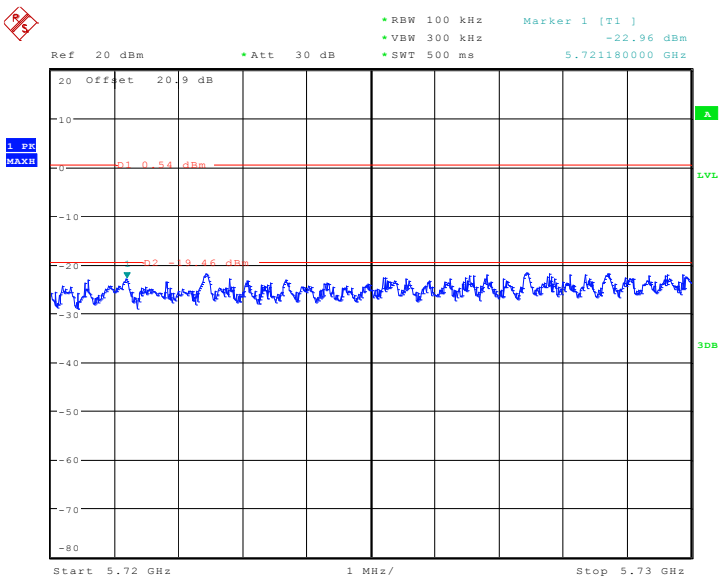
High Band Edge Plot on 802.11n Channel 165- Chain 2



Date: 5.NOV.2010 20:07:07

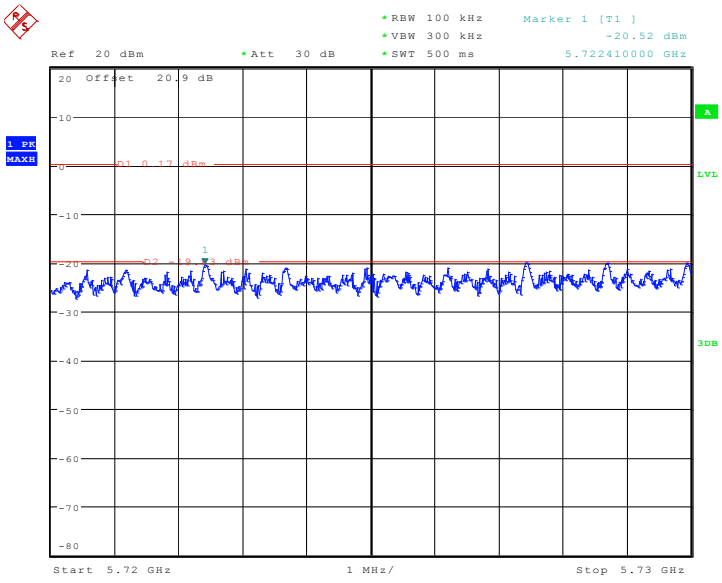
Test Mode :	802.11n (HT-40) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-40)	**Relative Humidity :**	64~66%
Test Channel :	151 and 159	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 151- Chain 0



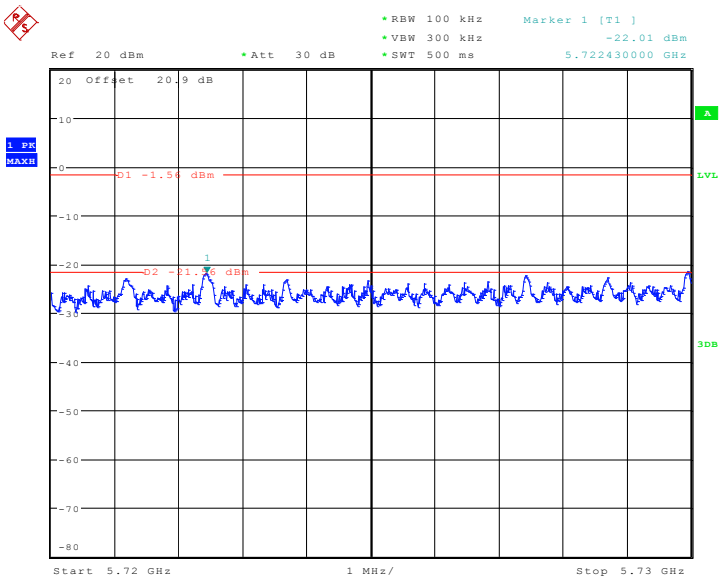
Date: 8.NOV.2010 12:19:04

Low Band Edge Plot on 802.11n Channel 151- Chain 1



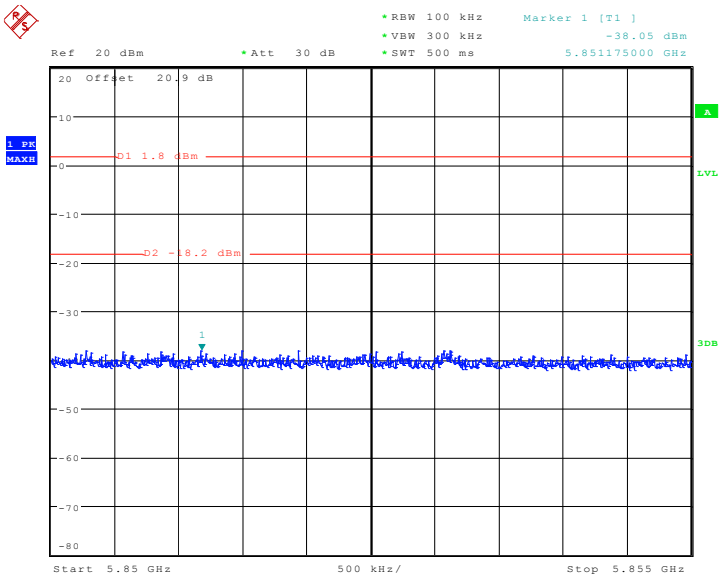
Date: 8.NOV.2010 12:11:57

Low Band Edge Plot on 802.11n Channel 151- Chain 2



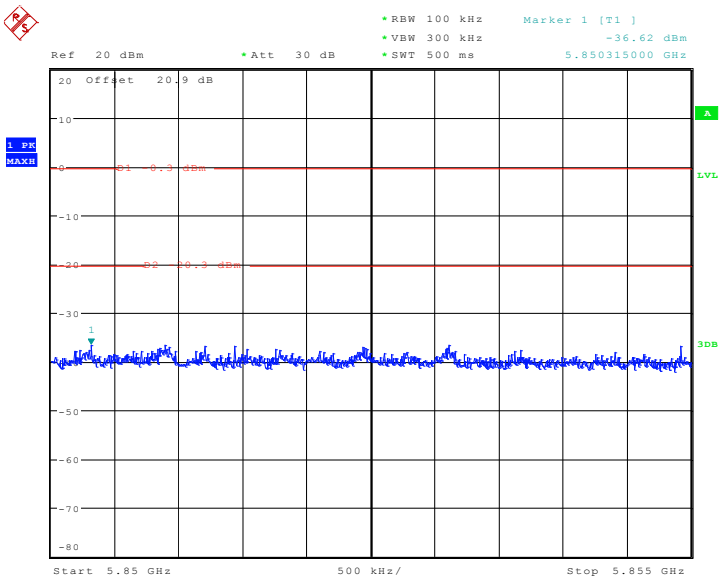
Date: 8.NOV.2010 12:17:51

High Band Edge Plot on 802.11n Channel 159- Chain 0



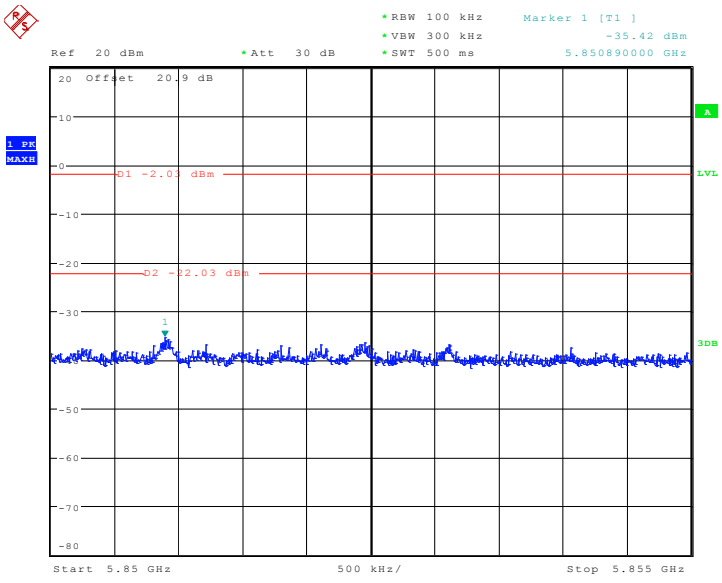
Date: 8.NOV.2010 12:20:08

High Band Edge Plot on 802.11n Channel 159- Chain 1



Date: 8.NOV.2010 12:13:47

High Band Edge Plot on 802.11n Channel 159- Chain 2

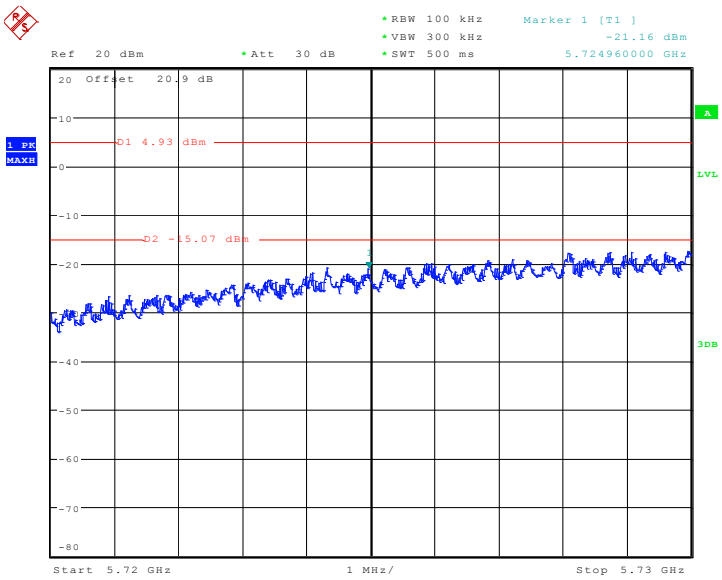


Date: 8.NOV.2010 12:14:58

<Beam-Forming Off: 2x3>

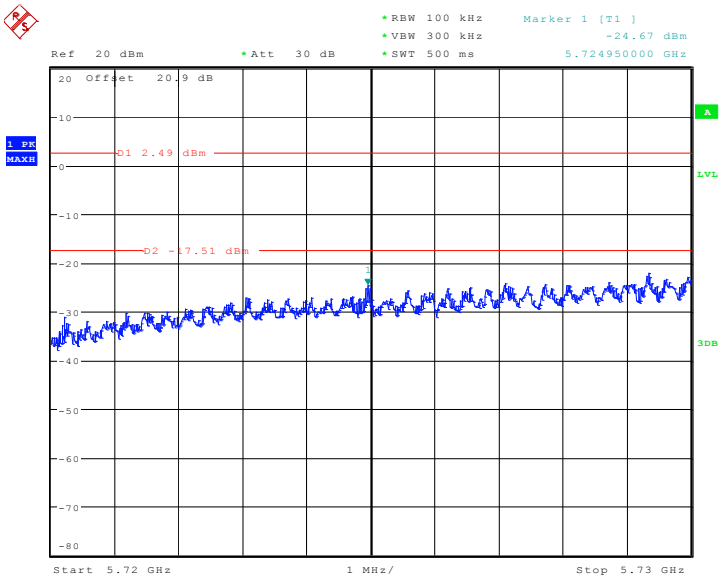
Test Mode :	802.11n (HT-20) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-20)	**Relative Humidity :**	64~66%
Test Channel :	149 and 165	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 149- Chain 0



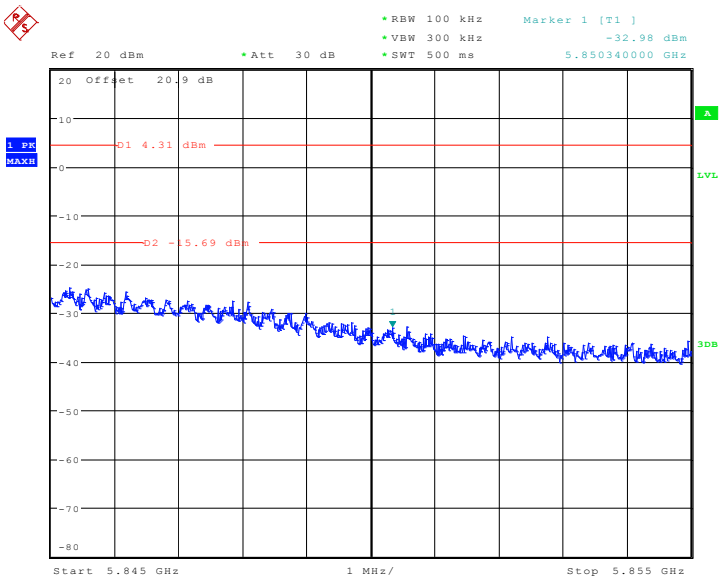
Date: 5.NOV.2010 19:36:29

Low Band Edge Plot on 802.11n Channel 149- Chain 1



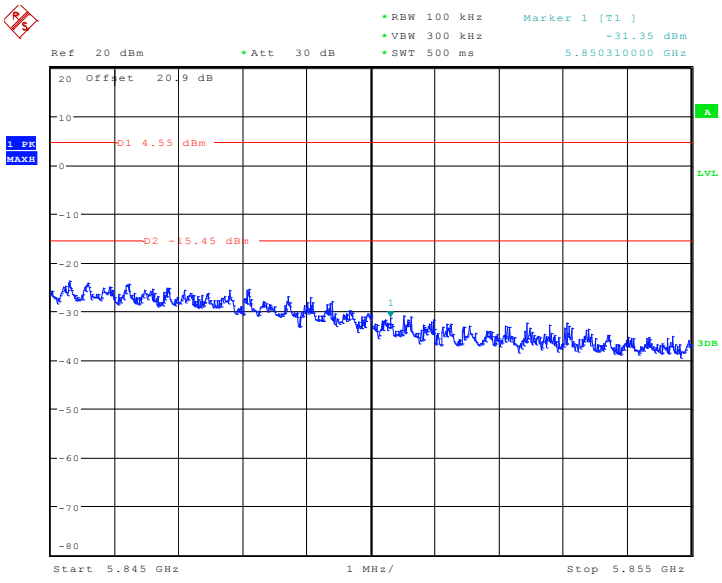
Date: 5.NOV.2010 19:48:29

High Band Edge Plot on 802.11n Channel 165- Chain 0



Date: 5.NOV.2010 19:31:51

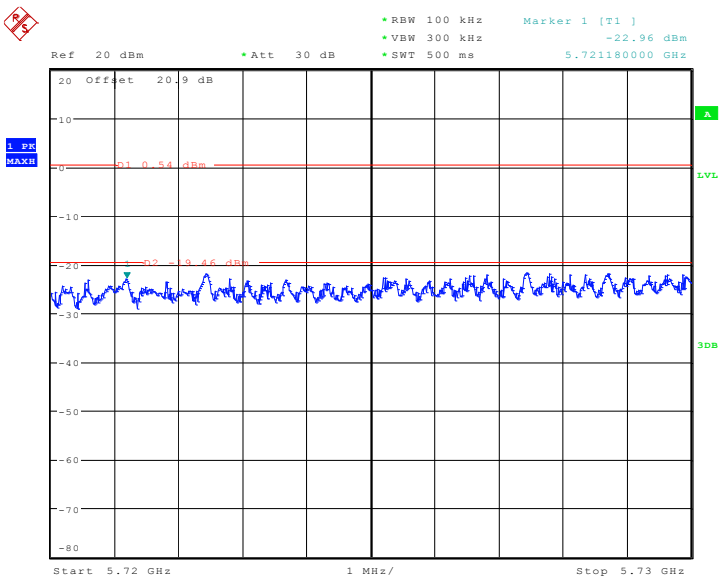
High Band Edge Plot on 802.11n Channel 165- Chain 1



Date: 5.NOV.2010 19:52:17

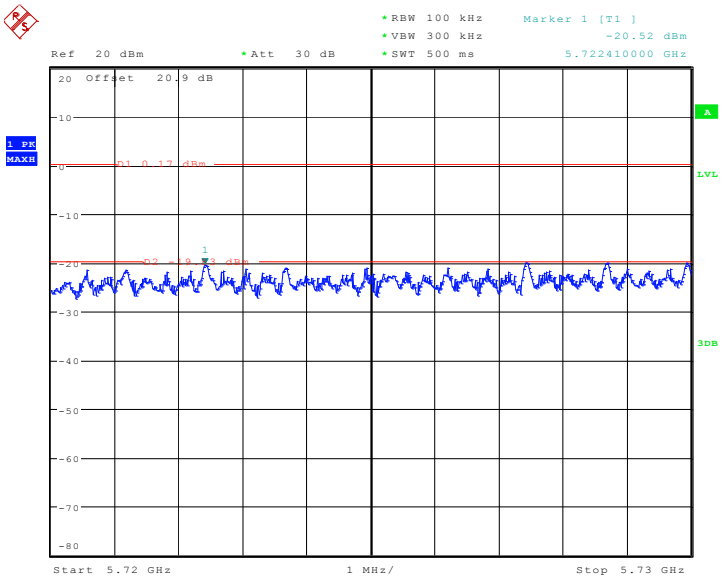
Test Mode :	802.11n (HT-40) L and H channel at 5.8G band	**Temperature :**	25~27℃
Test Band :	802.11n (HT-40)	**Relative Humidity :**	64~66%
Test Channel :	151 and 159	**Test Engineer :**	Lewis He

Low Band Edge Plot on 802.11n Channel 151- Chain 0



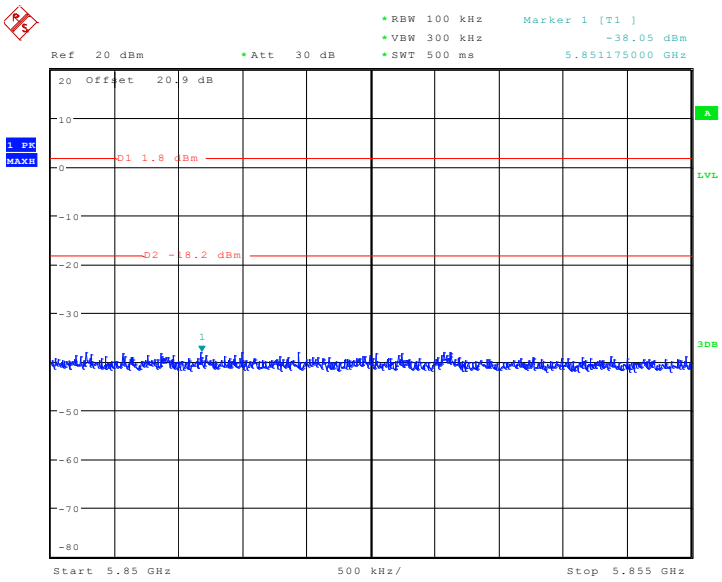
Date: 8.NOV.2010 12:19:04

Low Band Edge Plot on 802.11n Channel 151- Chain 1



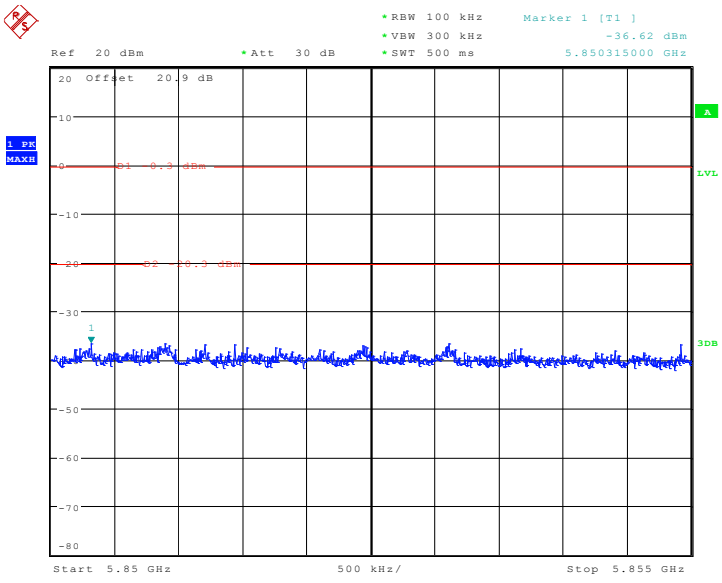
Date: 8.NOV.2010 12:11:57

High Band Edge Plot on 802.11n Channel 159- Chain 0



Date: 8.NOV.2010 12:20:08

High Band Edge Plot on 802.11n Channel 159- Chain 1



Date: 8.NOV.2010 12:13:47

3.7 Radiated Emission Measurement

3.7.1 Limit of Radiated Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

Frequency (MHz)	Field Strength (microvolts/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

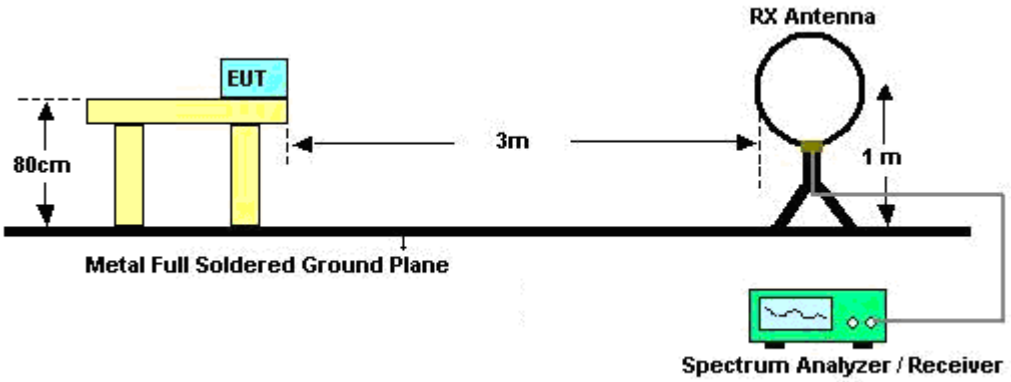
See list of measuring instruments of this test report.

3.7.3 Test Procedures

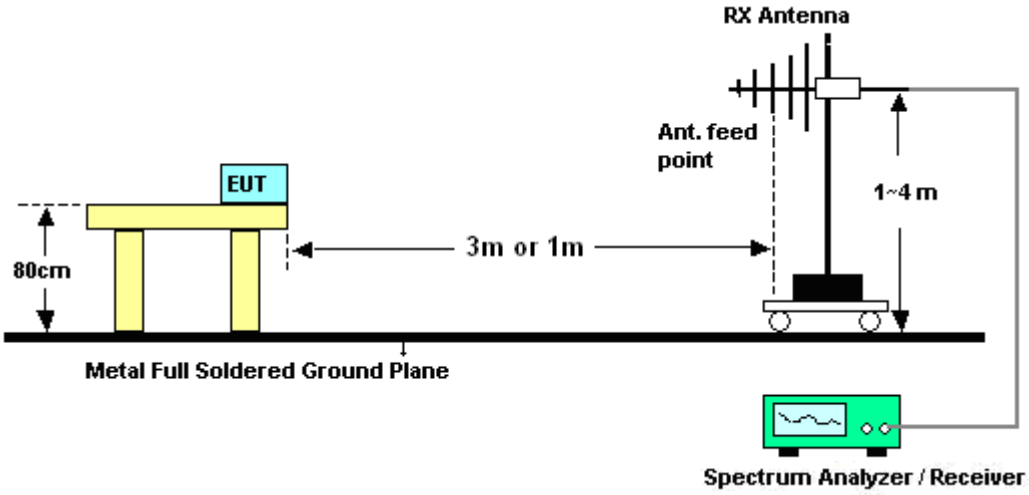
1. The testing follows the guidelines in FCC KDB Publication No. 558074 (Measurement Guidelines of DTS).
2. Use the following spectrum analyzer settings:
   (1) Span = wide enough to fully capture the emission being measured; RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
   (2) Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.
   Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB)
3. Follow the guidelines in ANSI C63.4-2003 with respect to maximizing the emission by rotating the EUT, measuring the emission for three EUT orthogonal planes, and adjusting the measurement antenna height and polarization. A pre-amp and a high pass filter are used for this test in order to get the good signal level.

3.7.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions above 30MHz



3.7.5 Test Results of Radiated Emissions (9kHz ~ 30MHz)

Test Engineer :	Wii Chang	Temperature :	23~25°C
		Relative Humidity :	56~60%

Frequency (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

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

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

3.7.6 Test Result of Radiated Emission (30MHz ~ 1GHz)

<Normal Mode: 3x3>

Test Mode :	802.11g M channel	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	37.17	-2.83	40	49.67	18.48	0.58	31.56	100	55	Peak
64.29	30.34	-9.66	40	54.93	6.2	0.73	31.52	-	-	Peak
262.2	38.32	-7.68	46	54.73	13.64	1.42	31.47	-	-	Peak
300	42.7	-3.3	46	58.84	13.58	1.55	31.27	-	-	Peak
399.4	35.51	-10.49	46	48.42	16.45	1.82	31.18	-	-	Peak
680.1	34.13	-11.87	46	42.69	19.83	2.35	30.74	-	-	Peak

Test Mode :	802.11g M channel	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
64.29	29.97	-10.03	40	54.56	6.2	0.73	31.52	-	-	Peak
115.05	34.34	-9.16	43.5	52.4	12.51	0.95	31.52	100	99	Peak
277.59	35	-11	46	51.62	13.29	1.48	31.39	-	-	Peak
322.4	32.1	-13.9	46	47.37	14.39	1.63	31.29	-	-	Peak
464.5	25.66	-20.34	46	37.44	17.43	1.92	31.13	-	-	Peak
764.8	30.77	-15.23	46	38.07	20.73	2.51	30.54	-	-	Peak

<Beam-Forming On: 3x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.18	-3.82	40	48.68	18.48	0.58	31.56	123	22	Peak
87.24	17.91	-22.09	40	39.76	8.86	0.84	31.55	-	-	Peak
153.93	28.54	-14.96	43.5	48.59	10.31	1.14	31.5	-	-	Peak
300	40.73	-5.27	46	56.87	13.58	1.55	31.27	-	-	Peak
398.7	32.19	-13.81	46	45.14	16.41	1.82	31.18	-	-	Peak
654.9	29.14	-16.86	46	37.95	19.66	2.3	30.77	-	-	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	Temperature :	23~25°C
Test Channel :	149	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.06	-3.94	40	48.56	18.48	0.58	31.56	150	55	Peak
62.94	25.81	-14.19	40	50.37	6.24	0.73	31.53	-	-	Peak
119.1	34.84	-8.66	43.5	52.66	12.63	1.07	31.52	-	-	Peak
300	38.49	-7.51	46	54.63	13.58	1.55	31.27	-	-	Peak
398	35.09	-10.91	46	48.05	16.41	1.82	31.19	-	-	Peak
720	34.32	-11.68	46	42.25	20.27	2.45	30.65	-	-	Peak

<Beam-Forming On: 2x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.18	-3.82	40	48.68	18.48	0.58	31.56	123	22	Peak
87.24	17.91	-22.09	40	39.76	8.86	0.84	31.55	-	-	Peak
153.93	28.54	-14.96	43.5	48.59	10.31	1.14	31.5	-	-	Peak
300	40.73	-5.27	46	56.87	13.58	1.55	31.27	-	-	Peak
398.7	32.19	-13.81	46	45.14	16.41	1.82	31.18	-	-	Peak
654.9	29.14	-16.86	46	37.95	19.66	2.3	30.77	-	-	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.06	-3.94	40	48.56	18.48	0.58	31.56	150	55	Peak
62.94	25.81	-14.19	40	50.37	6.24	0.73	31.53	-	-	Peak
119.1	34.84	-8.66	43.5	52.66	12.63	1.07	31.52	-	-	Peak
300	38.49	-7.51	46	54.63	13.58	1.55	31.27	-	-	Peak
398	35.09	-10.91	46	48.05	16.41	1.82	31.19	-	-	Peak
720	34.32	-11.68	46	42.25	20.27	2.45	30.65	-	-	Peak

<Beam-Forming Off: 3x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.18	-3.82	40	48.68	18.48	0.58	31.56	123	22	Peak
87.24	17.91	-22.09	40	39.76	8.86	0.84	31.55	-	-	Peak
153.93	28.54	-14.96	43.5	48.59	10.31	1.14	31.5	-	-	Peak
300	40.73	-5.27	46	56.87	13.58	1.55	31.27	-	-	Peak
398.7	32.19	-13.81	46	45.14	16.41	1.82	31.18	-	-	Peak
654.9	29.14	-16.86	46	37.95	19.66	2.3	30.77	-	-	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	Temperature :	23~25°C
Test Channel :	149	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.06	-3.94	40	48.56	18.48	0.58	31.56	150	55	Peak
62.94	25.81	-14.19	40	50.37	6.24	0.73	31.53	-	-	Peak
119.1	34.84	-8.66	43.5	52.66	12.63	1.07	31.52	-	-	Peak
300	38.49	-7.51	46	54.63	13.58	1.55	31.27	-	-	Peak
398	35.09	-10.91	46	48.05	16.41	1.82	31.19	-	-	Peak
720	34.32	-11.68	46	42.25	20.27	2.45	30.65	-	-	Peak

<Beam-Forming Off: 2x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.18	-3.82	40	48.68	18.48	0.58	31.56	123	22	Peak
87.24	17.91	-22.09	40	39.76	8.86	0.84	31.55	-	-	Peak
153.93	28.54	-14.96	43.5	48.59	10.31	1.14	31.5	-	-	Peak
300	40.73	-5.27	46	56.87	13.58	1.55	31.27	-	-	Peak
398.7	32.19	-13.81	46	45.14	16.41	1.82	31.18	-	-	Peak
654.9	29.14	-16.86	46	37.95	19.66	2.3	30.77	-	-	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	36.06	-3.94	40	48.56	18.48	0.58	31.56	150	55	Peak
62.94	25.81	-14.19	40	50.37	6.24	0.73	31.53	-	-	Peak
119.1	34.84	-8.66	43.5	52.66	12.63	1.07	31.52	-	-	Peak
300	38.49	-7.51	46	54.63	13.58	1.55	31.27	-	-	Peak
398	35.09	-10.91	46	48.05	16.41	1.82	31.19	-	-	Peak
720	34.32	-11.68	46	42.25	20.27	2.45	30.65	-	-	Peak

3.7.7 Test Result of Radiated Emission (1GHz ~ 10th Harmonic)

<Normal Mode: 3x3>

Test Mode :	802.11b L channel	**Temperature :**	25~26°C
Test Channel :	01	**Relative Humidity :**	43~44%
Test Engineer :	Kay Wu	**Polarization :**	Horizontal
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2387.14	45.49	-8.51	54	40.81	32.18	6.03	33.53	100	238	Average
2387.14	61.19	-12.81	74	56.51	32.18	6.03	33.53	100	238	Peak
2412	100.61	-	-	95.88	32.2	6.07	33.54	100	238	Average
2412	109.93	-	-	105.2	32.2	6.07	33.54	100	238	Peak
2484	36.36	-17.64	54	31.46	32.28	6.18	33.56	100	238	Average
2484	50.26	-23.74	74	45.36	32.28	6.18	33.56	100	238	Peak
4824	46.22	-7.78	54	37.06	34.07	9.12	34.03	104	261	Average
4824	54.33	-19.67	74	45.17	34.07	9.12	34.03	104	261	Peak

Test Mode :	802.11b L channel	Temperature :	23~25°C
Test Channel :	01	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2385.81	50.89	-3.11	54	46.21	32.18	6.03	33.53	100	238	Average
2385.81	68.22	-5.78	74	63.54	32.18	6.03	33.53	100	238	Peak
2412	106.16	-	-	101.43	32.2	6.07	33.54	100	238	Average
2412	115.39	-	-	110.66	32.2	6.07	33.54	100	238	Peak
2500	35.52	-18.48	54	30.61	32.3	6.18	33.57	100	238	Average
2500	47.72	-26.28	74	42.81	32.3	6.18	33.57	100	238	Peak
4824	46.51	-7.49	54	37.35	34.07	9.12	34.03	104	261	Average
4824	62.6	-11.4	74	53.44	34.07	9.12	34.03	104	261	Peak
7236	46.49	-7.51	54	35.04	35.51	10.03	34.09	100	303	Average
7236	57.24	-16.76	74	45.79	35.51	10.03	34.09	100	303	Peak

Test Mode :	802.11b M channel	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	36.6	-17.4	54	31.94	32.16	6.03	33.53	100	201	Average
2382	48.12	-25.88	74	43.46	32.16	6.03	33.53	100	201	Peak
2437	97.7	-	-	92.9	32.24	6.11	33.55	100	201	Average
2437	106.79	-	-	101.99	32.24	6.11	33.55	100	201	Peak
2484	33.86	-20.14	54	28.96	32.28	6.18	33.56	100	201	Average
2484	47.13	-26.87	74	42.23	32.28	6.18	33.56	100	201	Peak
4874	43.74	-10.26	54	34.57	34.08	9.13	34.04	100	80	Average
4874	54.33	-19.67	74	45.16	34.08	9.13	34.04	100	80	Peak

Test Mode :	802.11b M channel	Temperature :	23~25°C
Test Channel :	06	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388	40.04	-13.96	54	35.36	32.18	6.03	33.53	100	201	Average
2388	52.99	-21.01	74	48.31	32.18	6.03	33.53	100	201	Peak
2437	105.83	-	-	101.03	32.24	6.11	33.55	100	201	Average
2437	115.23	-	-	110.45	32.22	6.11	33.55	100	201	Peak
2484	39.63	-14.37	54	34.73	32.28	6.18	33.56	100	201	Average
2484	55.91	-18.09	74	51.01	32.28	6.18	33.56	100	201	Peak
4874	45.1	-8.9	54	35.93	34.08	9.13	34.04	100	80	Average
4874	58.68	-15.32	74	49.51	34.08	9.13	34.04	100	80	Peak
7311	46.53	-7.47	54	35.12	35.45	10.06	34.1	100	301	Average
7311	56.23	-17.77	74	44.82	35.45	10.06	34.1	100	301	Peak

Test Mode :	802.11b H channel	Temperature :	23~25°C
Test Channel :	11	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2374	41.9	-12.1	54	37.28	32.16	5.99	33.53	100	156	Average
2374	51.82	-22.18	74	47.2	32.16	5.99	33.53	100	156	Peak
2462	103.78	-	-	98.94	32.26	6.14	33.56	100	156	Average
2462	113.58	-	-	108.74	32.26	6.14	33.56	100	156	Peak
2486.7	43.84	-10.16	54	38.94	32.28	6.18	33.56	100	156	Average
2486.7	59.59	-14.41	74	54.69	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11b H channel	Temperature :	23~25°C
Test Channel :	11	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2380	43.59	-10.41	54	38.93	32.16	6.03	33.53	100	156	Average
2380	54.21	-19.79	74	49.55	32.16	6.03	33.53	100	156	Peak
2462	106.42	-	-	101.58	32.26	6.14	33.56	100	156	Average
2462	116.2	-	-	111.36	32.26	6.14	33.56	100	156	Peak
2487.65	44.29	-9.71	54	39.38	32.3	6.18	33.57	100	156	Average
2487.65	61.98	-12.02	74	57.07	32.3	6.18	33.57	100	156	Peak
4924	42.88	-11.12	54	33.7	34.09	9.15	34.06	111	257	Average
4924	58.78	-15.22	74	49.6	34.09	9.15	34.06	111	257	Peak
7386	46.58	-7.42	54	35.21	35.38	10.1	34.11	100	303	Average
7386	57.47	-16.53	74	46.08	35.4	10.1	34.11	100	303	Peak

Test Mode :	802.11g L channel	Temperature :	23~25°C
Test Channel :	01	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2387.33	47.86	-6.14	54	43.18	32.18	6.03	33.53	100	238	Average
2387.33	64.91	-9.09	74	60.23	32.18	6.03	33.53	100	238	Peak
2412	91.43	-	-	86.7	32.2	6.07	33.54	100	238	Average
2412	104.11	-	-	99.37	32.22	6.07	33.55	100	238	Peak
2484	35.07	-18.93	54	30.17	32.28	6.18	33.56	100	238	Average
2484	48.76	-25.24	74	43.86	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11g L channel	Temperature :	23~25°C
Test Channel :	01	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388.66	53.12	-0.88	54	48.44	32.18	6.03	33.53	100	238	Average
2388.66	70.87	-3.13	74	66.19	32.18	6.03	33.53	100	238	Peak
2412	96.13	-	-	91.4	32.2	6.07	33.54	100	238	Average
2412	109.3	-	-	104.57	32.2	6.07	33.54	100	238	Peak
2484	34.59	-19.41	54	29.69	32.28	6.18	33.56	100	238	Average
2484	46.82	-27.18	74	41.92	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11g M channel	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	37.05	-16.95	54	32.39	32.16	6.03	33.53	100	201	Average
2382	51.35	-22.65	74	46.69	32.16	6.03	33.53	100	201	Peak
2437	94.4	-	-	89.6	32.24	6.11	33.55	100	201	Average
2437	108.09	-	-	103.29	32.24	6.11	33.55	100	201	Peak
2484	36.45	-17.55	54	31.55	32.28	6.18	33.56	100	201	Average
2484	53.71	-20.29	74	48.81	32.28	6.18	33.56	100	201	Peak
7311	43.23	-10.77	54	31.82	35.45	10.06	34.1	100	301	Average
7311	56.43	-17.57	74	45.02	35.45	10.06	34.1	100	301	Peak

Test Mode :	802.11g M channel	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390	44.63	-9.37	54	39.95	32.18	6.03	33.53	100	201	Average
2390	64.66	-9.34	74	59.98	32.18	6.03	33.53	100	201	Peak
2437	101.09	-	-	96.29	32.24	6.11	33.55	100	201	Average
2437	114.11	-	-	109.31	32.24	6.11	33.55	100	201	Peak
2484	44.15	-9.85	54	39.25	32.28	6.18	33.56	100	201	Average
2484	60.57	-13.43	74	55.67	32.28	6.18	33.56	100	201	Peak
4874	45.34	-8.66	54	36.17	34.08	9.13	34.04	100	80	Average
4874	58.61	-15.39	74	49.44	34.08	9.13	34.04	100	80	Peak
7311	46.88	-7.12	54	35.47	35.45	10.06	34.1	100	301	Average
7311	59.61	-14.39	74	48.2	35.45	10.06	34.1	100	301	Peak

Test Mode :	802.11g H channel	Temperature :	23~25°C
Test Channel :	11	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2380	38.2	-15.8	54	33.54	32.16	6.03	33.53	100	156	Average
2380	50.02	-23.98	74	45.36	32.16	6.03	33.53	100	156	Peak
2462	95.47	-	-	90.63	32.26	6.14	33.56	100	156	Average
2462	108.6	-	-	103.76	32.26	6.14	33.56	100	156	Peak
2483.85	52.91	-1.09	54	48.01	32.28	6.18	33.56	100	156	Average
2483.85	71.81	-2.19	74	66.91	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11g H channel	Temperature :	23~25°C
Test Channel :	11	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2380	40.26	-13.74	54	35.6	32.16	6.03	33.53	100	156	Average
2380	52.02	-21.98	74	47.36	32.16	6.03	33.53	100	156	Peak
2462	97.7	-	-	92.86	32.26	6.14	33.56	100	156	Average
2462	111.07	-	-	106.23	32.26	6.14	33.56	100	156	Peak
2484.42	53.25	-0.75	54	48.35	32.28	6.18	33.56	100	156	Average
2484.42	72.78	-1.22	74	67.88	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11a L channel	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	81.78	-8.2	89.98	73.45	34.51	7.01	33.19	100	212	Peak
5745	96.04	-	-	87.66	34.54	7.03	33.19	100	212	Average
5745	109.98	-	-	101.6	34.54	7.03	33.19	100	212	Peak
5850	50.39	-39.59	89.98	41.82	34.68	7.09	33.2	100	212	Peak
11490	39.38	-14.62	54	46.53	38.09	10.48	55.72	137	172	Average
11490	51.83	-22.17	74	58.98	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11a L channel	Temperature :	23~25°C
Test Channel :	149	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.33	-2.45	94.78	84	34.51	7.01	33.19	100	212	Peak
5745	104.02	-	-	95.64	34.54	7.03	33.19	100	212	Average
5745	114.78	-	-	106.4	34.54	7.03	33.19	100	212	Peak
5850	50.43	-44.35	94.78	41.86	34.68	7.09	33.2	100	212	Peak
11490	47.15	-6.85	54	54.3	38.09	10.48	55.72	137	172	Average
11490	59.39	-14.61	74	66.54	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11a M channel	Temperature :	23~25°C
Test Channel :	157	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	51.78	-22.22	74	43.45	34.51	7.01	33.19	100	282	Peak
5785	91.41	-	-	82.96	34.59	7.05	33.19	100	282	Average
5785	103.45	-	-	94.97	34.61	7.06	33.19	100	282	Peak
5850	49.86	-24.14	74	41.29	34.68	7.09	33.2	100	282	Peak

Test Mode :	802.11a M channel	Temperature :	23~25°C
Test Channel :	157	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	55.97	-18.03	74	47.64	34.51	7.01	33.19	100	282	Peak
5785	103.65	-	-	95.2	34.59	7.05	33.19	100	282	Average
5785	116.25	-	-	107.8	34.59	7.05	33.19	100	282	Peak
5850	54.89	-19.11	74	46.32	34.68	7.09	33.2	100	282	Peak
11570	49.91	-4.09	54	56.67	38.2	10.54	55.5	164	179	Average
11570	66.11	-7.89	74	72.95	38.17	10.54	55.55	164	179	Peak

Test Mode :	802.11a H channel	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.37	-34.9	85.27	42.04	34.51	7.01	33.19	100	271	Peak
5825	93.09	-	-	84.56	34.66	7.07	33.2	100	271	Average
5825	105.27	-	-	96.74	34.66	7.07	33.2	100	271	Peak
5850	75.32	-9.95	85.27	66.75	34.68	7.09	33.2	100	271	Peak
11650	42.94	-11.06	54	49.32	38.29	10.6	55.27	127	183	Average
11650	55.28	-18.72	74	61.55	38.32	10.62	55.21	127	183	Peak

Test Mode :	802.11a H channel	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	53.39	-45.81	99.2	45.06	34.51	7.01	33.19	100	271	Peak
5825	105.92	-	-	97.39	34.66	7.07	33.2	100	271	Average
5825	119.2	-	-	110.67	34.66	7.07	33.2	100	271	Peak
5850	86.07	-13.13	99.2	77.5	34.68	7.09	33.2	100	271	Peak
11650	53.32	-0.68	54	59.7	38.29	10.6	55.27	127	183	Average
11650	68.24	-5.76	74	74.53	38.32	10.6	55.21	127	183	Peak

<Normal Mode: 2x3>

Test Mode :	802.11a L channel	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	81.78	-8.2	89.98	73.45	34.51	7.01	33.19	100	212	Peak
5745	96.04	-	-	87.66	34.54	7.03	33.19	100	212	Average
5745	109.98	-	-	101.6	34.54	7.03	33.19	100	212	Peak
5850	50.39	-39.59	89.98	41.82	34.68	7.09	33.2	100	212	Peak
11490	39.38	-14.62	54	46.53	38.09	10.48	55.72	137	172	Average
11490	51.83	-22.17	74	58.98	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11a L channel	Temperature :	23~25°C
Test Channel :	149	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.33	-2.45	94.78	84	34.51	7.01	33.19	100	212	Peak
5745	104.02	-	-	95.64	34.54	7.03	33.19	100	212	Average
5745	114.78	-	-	106.4	34.54	7.03	33.19	100	212	Peak
5850	50.43	-44.35	94.78	41.86	34.68	7.09	33.2	100	212	Peak
11490	47.15	-6.85	54	54.3	38.09	10.48	55.72	137	172	Average
11490	59.39	-14.61	74	66.54	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11a M channel	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	51.78	-22.22	74	43.45	34.51	7.01	33.19	100	282	Peak
5785	91.41	-	-	82.96	34.59	7.05	33.19	100	282	Average
5785	103.45	-	-	94.97	34.61	7.06	33.19	100	282	Peak
5850	49.86	-24.14	74	41.29	34.68	7.09	33.2	100	282	Peak

Test Mode :	802.11a M channel	Temperature :	23~25°C
Test Channel :	157	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	55.97	-18.03	74	47.64	34.51	7.01	33.19	100	282	Peak
5785	103.65	-	-	95.2	34.59	7.05	33.19	100	282	Average
5785	116.25	-	-	107.8	34.59	7.05	33.19	100	282	Peak
5850	54.89	-19.11	74	46.32	34.68	7.09	33.2	100	282	Peak
11570	49.91	-4.09	54	56.67	38.2	10.54	55.5	164	179	Average
11570	66.11	-7.89	74	72.95	38.17	10.54	55.55	164	179	Peak

Test Mode :	802.11a H channel	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.37	-34.9	85.27	42.04	34.51	7.01	33.19	100	271	Peak
5825	93.09	-	-	84.56	34.66	7.07	33.2	100	271	Average
5825	105.27	-	-	96.74	34.66	7.07	33.2	100	271	Peak
5850	75.32	-9.95	85.27	66.75	34.68	7.09	33.2	100	271	Peak
11650	42.94	-11.06	54	49.32	38.29	10.6	55.27	127	183	Average
11650	55.28	-18.72	74	61.55	38.32	10.62	55.21	127	183	Peak

Test Mode :	802.11a H channel	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	53.39	-45.81	99.2	45.06	34.51	7.01	33.19	100	271	Peak
5825	105.92	-	-	97.39	34.66	7.07	33.2	100	271	Average
5825	119.2	-	-	110.67	34.66	7.07	33.2	100	271	Peak
5850	86.07	-13.13	99.2	77.5	34.68	7.09	33.2	100	271	Peak
11650	53.32	-0.68	54	59.7	38.29	10.6	55.27	127	183	Average
11650	68.24	-5.76	74	74.53	38.32	10.6	55.21	127	183	Peak

<Beam-Forming On: 3x3>

Test Mode :	802.11n (HT-20) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	01	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	48.91	-5.09	54	44.23	32.18	6.03	33.53	100	238	Average
2389.99	66.73	-7.27	74	62.05	32.18	6.03	33.53	100	238	Peak
2412	91.58	-	-	86.85	32.2	6.07	33.54	100	238	Average
2412	103.89	-	-	99.16	32.2	6.07	33.54	100	238	Peak
2484	35.34	-18.66	54	30.44	32.28	6.18	33.56	100	238	Average
2484	48.76	-25.24	74	43.86	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11n (HT-20) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	01	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	53.36	-0.64	54	48.68	32.18	6.03	33.53	100	238	Average
2389.99	72.02	-1.98	74	67.34	32.18	6.03	33.53	100	238	Peak
2412	96.62	-	-	91.89	32.2	6.07	33.54	100	238	Average
2412	109.07	-	-	104.34	32.2	6.07	33.54	100	238	Peak
2484	34.86	-19.14	54	29.96	32.28	6.18	33.56	100	238	Average
2484	47.11	-26.89	74	42.21	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11n (HT-20) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388	37.48	-16.52	54	32.8	32.18	6.03	33.53	100	201	Average
2388	52.43	-21.57	74	47.75	32.18	6.03	33.53	100	201	Peak
2437	93.42	-	-	88.62	32.24	6.11	33.55	100	201	Average
2437	105.42	-	-	100.62	32.24	6.11	33.55	100	201	Peak
2484	36.94	-17.06	54	32.04	32.28	6.18	33.56	100	201	Average
2484	51.96	-22.04	74	47.06	32.28	6.18	33.56	100	201	Peak

Test Mode :	802.11n (HT-20) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390	43.27	-10.73	54	38.59	32.18	6.03	33.53	100	201	Average
2390	60.93	-13.07	74	56.25	32.18	6.03	33.53	100	201	Peak
2437	100.99	-	-	96.19	32.24	6.11	33.55	100	201	Average
2437	113.3	-	-	108.52	32.22	6.11	33.55	100	201	Peak
2484	43.25	-10.75	54	38.35	32.28	6.18	33.56	100	201	Average
2484	61.93	-12.07	74	57.03	32.28	6.18	33.56	100	201	Peak
4874	44.51	-9.49	54	35.34	34.08	9.13	34.04	100	80	Average
4874	56.27	-17.73	74	47.1	34.08	9.13	34.04	100	80	Peak
7311	44.33	-9.67	54	32.92	35.45	10.06	34.1	100	301	Average
7311	56.83	-17.17	74	45.42	35.45	10.06	34.1	100	301	Peak

Test Mode :	802.11n (HT-20) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	11	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388	36.62	-17.38	54	31.94	32.18	6.03	33.53	100	156	Average
2388	48.84	-25.16	74	44.16	32.18	6.03	33.53	100	156	Peak
2462	93.68	-	-	88.84	32.26	6.14	33.56	100	156	Average
2462	105.68	-	-	100.84	32.26	6.14	33.56	100	156	Peak
2483.66	52.12	-1.88	54	47.22	32.28	6.18	33.56	100	156	Average
2483.66	72.31	-1.69	74	67.41	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11n (HT-20) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	11	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	38.7	-15.3	54	34.04	32.16	6.03	33.53	100	156	Average
2382	50.78	-23.22	74	46.12	32.16	6.03	33.53	100	156	Peak
2462	96.06	-	-	91.22	32.26	6.14	33.56	100	156	Average
2462	108.05	-	-	103.21	32.26	6.14	33.56	100	156	Peak
2483.5	53.47	-0.53	54	48.57	32.28	6.18	33.56	100	156	Average
2483.5	71.68	-2.32	74	66.78	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11n (HT-40) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	03	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2422 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2385.62	43.93	-10.07	54	39.25	32.18	6.03	33.53	100	237	Average
2385.62	60.95	-13.05	74	56.27	32.18	6.03	33.53	100	237	Peak
2422	83.07	-	-	78.27	32.24	6.11	33.55	100	237	Average
2422	95.52	-	-	90.74	32.22	6.11	33.55	100	237	Peak
2486	36.72	-17.28	54	31.82	32.28	6.18	33.56	100	237	Average
2486	49.53	-24.47	74	44.63	32.28	6.18	33.56	100	237	Peak

Test Mode :	802.11n (HT-40) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	03	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2422 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.8	53.39	-0.61	54	48.71	32.18	6.03	33.53	100	237	Average
2389.8	69.95	-4.05	74	65.27	32.18	6.03	33.53	100	237	Peak
2422	89.64	-	-	84.9	32.22	6.07	33.55	100	237	Average
2422	102.6	-	-	97.87	32.2	6.07	33.54	100	237	Peak
2484	43.46	-10.54	54	38.56	32.28	6.18	33.56	100	237	Average
2484	57.48	-16.52	74	52.58	32.28	6.18	33.56	100	237	Peak

Test Mode :	802.11n (HT-40) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	39.14	-14.86	54	34.46	32.18	6.03	33.53	100	216	Average
2389.99	55.9	-18.1	74	51.22	32.18	6.03	33.53	100	216	Peak
2437	82.32	-	-	77.52	32.24	6.11	33.55	100	216	Average
2437	94.74	-	-	89.96	32.22	6.11	33.55	100	216	Peak
2487.46	39.12	-14.88	54	34.22	32.28	6.18	33.56	100	216	Average
2487.46	55.23	-18.77	74	50.33	32.28	6.18	33.56	100	216	Peak

Test Mode :	802.11n (HT-40) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.09	53.43	-0.57	54	48.75	32.18	6.03	33.53	100	216	Average
2389.09	71.77	-2.23	74	67.09	32.18	6.03	33.53	100	216	Peak
2437	94.01	-	-	89.21	32.24	6.11	33.55	100	216	Average
2437	109.05	-	-	104.27	32.22	6.11	33.55	100	216	Peak
2485.18	49.66	-4.34	54	44.76	32.28	6.18	33.56	100	216	Average
2485.18	67.73	-6.27	74	62.83	32.28	6.18	33.56	100	216	Peak

Test Mode :	802.11n (HT-40) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	09	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2452 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2358	35.46	-18.54	54	30.86	32.13	5.99	33.52	100	219	Average
2358	47.37	-26.63	74	42.77	32.13	5.99	33.52	100	219	Peak
2452	84.62	-	-	79.82	32.24	6.11	33.55	100	219	Average
2452	94.47	-	-	89.63	32.26	6.14	33.56	100	219	Peak
2483.5	50.2	-3.8	54	45.3	32.28	6.18	33.56	100	219	Average
2483.5	61.19	-12.81	74	56.29	32.28	6.18	33.56	100	219	Peak

Test Mode :	802.11n (HT-40) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	09	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2452 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	42.2	-11.8	54	37.54	32.16	6.03	33.53	100	219	Average
2382	58.52	-15.48	74	53.86	32.16	6.03	33.53	100	219	Peak
2452	91.04	-	-	86.24	32.24	6.11	33.55	100	219	Average
2452	103.62	-	-	98.82	32.24	6.11	33.55	100	219	Peak
2488.22	53.5	-0.5	54	48.59	32.3	6.18	33.57	100	219	Average
2488.22	69.85	-4.15	74	64.94	32.3	6.18	33.57	100	219	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.29	-7.79	86.08	69.96	34.51	7.01	33.19	100	212	Peak
5745	94.54	-	-	86.16	34.54	7.03	33.19	100	212	Average
5745	106.08	-	-	97.7	34.54	7.03	33.19	100	212	Peak
5850	50.85	-35.23	86.08	42.28	34.68	7.09	33.2	100	212	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	89.04	-4.26	93.3	80.71	34.51	7.01	33.19	100	212	Peak
5745	101.48	-	-	93.1	34.54	7.03	33.19	100	212	Average
5745	113.3	-	-	104.92	34.54	7.03	33.19	100	212	Peak
5850	50.71	-42.59	93.3	42.14	34.68	7.09	33.2	100	212	Peak
11490	48.25	-5.75	54	55.4	38.09	10.48	55.72	137	172	Average
11490	62.04	-11.96	74	69.19	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.95	-31.81	82.76	42.62	34.51	7.01	33.19	100	282	Peak
5785	91.19	-	-	82.74	34.59	7.05	33.19	100	282	Average
5785	102.76	-	-	94.28	34.61	7.06	33.19	100	282	Peak
5850	52.61	-30.15	82.76	44.04	34.68	7.09	33.2	100	282	Peak
11570	39.28	-14.72	54	46.04	38.2	10.54	55.5	164	179	Average
11570	54.19	-19.81	74	60.85	38.22	10.56	55.44	164	179	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	56.96	-41.71	98.67	48.63	34.51	7.01	33.19	100	282	Peak
5785	106.32	-	-	97.87	34.59	7.05	33.19	100	282	Average
5785	118.67	-	-	110.22	34.59	7.05	33.19	100	282	Peak
5850	50.9	-47.77	98.67	42.33	34.68	7.09	33.2	100	282	Peak
11570	52.09	-1.91	54	58.85	38.2	10.54	55.5	164	179	Average
11570	65.69	-8.31	74	72.45	38.2	10.54	55.5	164	179	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.41	-32.96	83.37	42.08	34.51	7.01	33.19	100	271	Peak
5825	91.46	-	-	82.89	34.68	7.09	33.2	100	271	Average
5825	103.37	-	-	94.87	34.63	7.07	33.2	100	271	Peak
5850	75.28	-8.09	83.37	66.71	34.68	7.09	33.2	100	271	Peak
11650	43.27	-10.73	54	49.65	38.29	10.6	55.27	127	183	Average
11650	56.22	-17.78	74	62.51	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	52.71	-44.01	96.72	44.38	34.51	7.01	33.19	100	271	Peak
5825	104.2	-	-	95.67	34.66	7.07	33.2	100	271	Average
5825	116.72	-	-	108.19	34.66	7.07	33.2	100	271	Peak
5850	82.78	-13.94	96.72	74.21	34.68	7.09	33.2	100	271	Peak
11650	53.47	-0.53	54	59.85	38.29	10.6	55.27	127	183	Average
11650	67.85	-6.15	74	74.14	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	82.42	-0.93	83.35	74.59	34.51	7.01	33.19	100	283	Peak
5755	90.16	-	-	81.76	34.56	7.03	33.19	100	283	Average
5755	103.35	-	-	94.93	34.56	7.05	33.19	100	283	Peak
5850	53.08	-30.27	83.35	44.51	34.68	7.09	33.2	100	283	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	Temperature :	23~25°C
Test Channel :	151	Relative Humidity :	56~60%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.65	-1.37	94.02	84.32	34.51	7.01	33.19	100	283	Peak
5755	101.27	-	-	92.87	34.56	7.03	33.19	100	283	Average
5755	114.02	-	-	105.64	34.54	7.03	33.19	100	283	Peak
5850	60.25	-33.77	94.02	51.68	34.68	7.09	33.2	100	283	Peak
11510	47.69	-6.31	54	54.81	38.1	10.5	55.72	134	186	Average
11510	62.52	-11.48	74	69.64	38.1	10.5	55.72	134	186	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5724	59.83	-14.17	74	51.5	34.51	7.01	33.19	100	271	Peak
5795	89.34	-	-	80.86	34.61	7.06	33.19	100	271	Average
5795	101.9	-	-	93.42	34.61	7.06	33.19	100	271	Peak
5850	60.9	-13.1	74	52.33	34.68	7.09	33.2	100	271	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	68.04	-5.96	74	59.71	34.51	7.01	33.19	100	271	Peak
5795	99.71	-	-	91.23	34.61	7.06	33.19	100	271	Average
5795	112.47	-	-	104.02	34.59	7.05	33.19	100	271	Peak
5850	69.74	-4.26	74	61.17	34.68	7.09	33.2	100	271	Peak
11590	47.23	-6.77	54	53.89	38.22	10.56	55.44	132	186	Average
11590	62	-12	74	68.66	38.22	10.56	55.44	132	186	Peak

<Beam-Forming On: 2x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.29	-7.79	86.08	69.96	34.51	7.01	33.19	100	212	Peak
5745	94.54	-	-	86.16	34.54	7.03	33.19	100	212	Average
5745	106.08	-	-	97.7	34.54	7.03	33.19	100	212	Peak
5850	50.85	-35.23	86.08	42.28	34.68	7.09	33.2	100	212	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	89.04	-4.26	93.3	80.71	34.51	7.01	33.19	100	212	Peak
5745	101.48	-	-	93.1	34.54	7.03	33.19	100	212	Average
5745	113.3	-	-	104.92	34.54	7.03	33.19	100	212	Peak
5850	50.71	-42.59	93.3	42.14	34.68	7.09	33.2	100	212	Peak
11490	48.25	-5.75	54	55.4	38.09	10.48	55.72	137	172	Average
11490	62.04	-11.96	74	69.19	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.95	-31.81	82.76	42.62	34.51	7.01	33.19	100	282	Peak
5785	91.19	-	-	82.74	34.59	7.05	33.19	100	282	Average
5785	102.76	-	-	94.28	34.61	7.06	33.19	100	282	Peak
5850	52.61	-30.15	82.76	44.04	34.68	7.09	33.2	100	282	Peak
11570	39.28	-14.72	54	46.04	38.2	10.54	55.5	164	179	Average
11570	54.19	-19.81	74	60.85	38.22	10.56	55.44	164	179	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	56.96	-41.71	98.67	48.63	34.51	7.01	33.19	100	282	Peak
5785	106.32	-	-	97.87	34.59	7.05	33.19	100	282	Average
5785	118.67	-	-	110.22	34.59	7.05	33.19	100	282	Peak
5850	50.9	-47.77	98.67	42.33	34.68	7.09	33.2	100	282	Peak
11570	52.09	-1.91	54	58.85	38.2	10.54	55.5	164	179	Average
11570	65.69	-8.31	74	72.45	38.2	10.54	55.5	164	179	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.41	-32.96	83.37	42.08	34.51	7.01	33.19	100	271	Peak
5825	91.46	-	-	82.89	34.68	7.09	33.2	100	271	Average
5825	103.37	-	-	94.87	34.63	7.07	33.2	100	271	Peak
5850	75.28	-8.09	83.37	66.71	34.68	7.09	33.2	100	271	Peak
11650	43.27	-10.73	54	49.65	38.29	10.6	55.27	127	183	Average
11650	56.22	-17.78	74	62.51	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	52.71	-44.01	96.72	44.38	34.51	7.01	33.19	100	271	Peak
5825	104.2	-	-	95.67	34.66	7.07	33.2	100	271	Average
5825	116.72	-	-	108.19	34.66	7.07	33.2	100	271	Peak
5850	82.78	-13.94	96.72	74.21	34.68	7.09	33.2	100	271	Peak
11650	53.47	-0.53	54	59.85	38.29	10.6	55.27	127	183	Average
11650	67.85	-6.15	74	74.14	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	82.42	-0.93	83.35	74.59	34.51	7.01	33.19	100	283	Peak
5755	90.16	-	-	81.76	34.56	7.03	33.19	100	283	Average
5755	103.35	-	-	94.93	34.56	7.05	33.19	100	283	Peak
5850	53.08	-30.27	83.35	44.51	34.68	7.09	33.2	100	283	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.65	-1.37	94.02	84.32	34.51	7.01	33.19	100	283	Peak
5755	101.27	-	-	92.87	34.56	7.03	33.19	100	283	Average
5755	114.02	-	-	105.64	34.54	7.03	33.19	100	283	Peak
5850	60.25	-33.77	94.02	51.68	34.68	7.09	33.2	100	283	Peak
11510	47.69	-6.31	54	54.81	38.1	10.5	55.72	134	186	Average
11510	62.52	-11.48	74	69.64	38.1	10.5	55.72	134	186	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5724	59.83	-14.17	74	51.5	34.51	7.01	33.19	100	271	Peak
5795	89.34	-	-	80.86	34.61	7.06	33.19	100	271	Average
5795	101.9	-	-	93.42	34.61	7.06	33.19	100	271	Peak
5850	60.9	-13.1	74	52.33	34.68	7.09	33.2	100	271	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	68.04	-5.96	74	59.71	34.51	7.01	33.19	100	271	Peak
5795	99.71	-	-	91.23	34.61	7.06	33.19	100	271	Average
5795	112.47	-	-	104.02	34.59	7.05	33.19	100	271	Peak
5850	69.74	-4.26	74	61.17	34.68	7.09	33.2	100	271	Peak
11590	47.23	-6.77	54	53.89	38.22	10.56	55.44	132	186	Average
11590	62	-12	74	68.66	38.22	10.56	55.44	132	186	Peak

<Beam-Forming Off: 3x3>

Test Mode :	802.11n (HT-20) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	01	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	48.91	-5.09	54	44.23	32.18	6.03	33.53	100	238	Average
2389.99	66.73	-7.27	74	62.05	32.18	6.03	33.53	100	238	Peak
2412	91.58	-	-	86.85	32.2	6.07	33.54	100	238	Average
2412	103.89	-	-	99.16	32.2	6.07	33.54	100	238	Peak
2484	35.34	-18.66	54	30.44	32.28	6.18	33.56	100	238	Average
2484	48.76	-25.24	74	43.86	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11n (HT-20) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	01	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2412 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	53.36	-0.64	54	48.68	32.18	6.03	33.53	100	238	Average
2389.99	72.02	-1.98	74	67.34	32.18	6.03	33.53	100	238	Peak
2412	96.62	-	-	91.89	32.2	6.07	33.54	100	238	Average
2412	109.07	-	-	104.34	32.2	6.07	33.54	100	238	Peak
2484	34.86	-19.14	54	29.96	32.28	6.18	33.56	100	238	Average
2484	47.11	-26.89	74	42.21	32.28	6.18	33.56	100	238	Peak

Test Mode :	802.11n (HT-20) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388	37.48	-16.52	54	32.8	32.18	6.03	33.53	100	201	Average
2388	52.43	-21.57	74	47.75	32.18	6.03	33.53	100	201	Peak
2437	93.42	-	-	88.62	32.24	6.11	33.55	100	201	Average
2437	105.42	-	-	100.62	32.24	6.11	33.55	100	201	Peak
2484	36.94	-17.06	54	32.04	32.28	6.18	33.56	100	201	Average
2484	51.96	-22.04	74	47.06	32.28	6.18	33.56	100	201	Peak

Test Mode :	802.11n (HT-20) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2390	43.27	-10.73	54	38.59	32.18	6.03	33.53	100	201	Average
2390	60.93	-13.07	74	56.25	32.18	6.03	33.53	100	201	Peak
2437	100.99	-	-	96.19	32.24	6.11	33.55	100	201	Average
2437	113.3	-	-	108.52	32.22	6.11	33.55	100	201	Peak
2484	43.25	-10.75	54	38.35	32.28	6.18	33.56	100	201	Average
2484	61.93	-12.07	74	57.03	32.28	6.18	33.56	100	201	Peak
4874	44.51	-9.49	54	35.34	34.08	9.13	34.04	100	80	Average
4874	56.27	-17.73	74	47.1	34.08	9.13	34.04	100	80	Peak
7311	44.33	-9.67	54	32.92	35.45	10.06	34.1	100	301	Average
7311	56.83	-17.17	74	45.42	35.45	10.06	34.1	100	301	Peak

Test Mode :	802.11n (HT-20) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	11	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2388	36.62	-17.38	54	31.94	32.18	6.03	33.53	100	156	Average
2388	48.84	-25.16	74	44.16	32.18	6.03	33.53	100	156	Peak
2462	93.68	-	-	88.84	32.26	6.14	33.56	100	156	Average
2462	105.68	-	-	100.84	32.26	6.14	33.56	100	156	Peak
2483.66	52.12	-1.88	54	47.22	32.28	6.18	33.56	100	156	Average
2483.66	72.31	-1.69	74	67.41	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11n (HT-20) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	11	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2462 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	38.7	-15.3	54	34.04	32.16	6.03	33.53	100	156	Average
2382	50.78	-23.22	74	46.12	32.16	6.03	33.53	100	156	Peak
2462	96.06	-	-	91.22	32.26	6.14	33.56	100	156	Average
2462	108.05	-	-	103.21	32.26	6.14	33.56	100	156	Peak
2483.5	53.47	-0.53	54	48.57	32.28	6.18	33.56	100	156	Average
2483.5	71.68	-2.32	74	66.78	32.28	6.18	33.56	100	156	Peak

Test Mode :	802.11n (HT-40) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	03	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2422 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2385.62	43.93	-10.07	54	39.25	32.18	6.03	33.53	100	237	Average
2385.62	60.95	-13.05	74	56.27	32.18	6.03	33.53	100	237	Peak
2422	83.07	-	-	78.27	32.24	6.11	33.55	100	237	Average
2422	95.52	-	-	90.74	32.22	6.11	33.55	100	237	Peak
2486	36.72	-17.28	54	31.82	32.28	6.18	33.56	100	237	Average
2486	49.53	-24.47	74	44.63	32.28	6.18	33.56	100	237	Peak

Test Mode :	802.11n (HT-40) L channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	03	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2422 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.8	53.39	-0.61	54	48.71	32.18	6.03	33.53	100	237	Average
2389.8	69.95	-4.05	74	65.27	32.18	6.03	33.53	100	237	Peak
2422	89.64	-	-	84.9	32.22	6.07	33.55	100	237	Average
2422	102.6	-	-	97.87	32.2	6.07	33.54	100	237	Peak
2484	43.46	-10.54	54	38.56	32.28	6.18	33.56	100	237	Average
2484	57.48	-16.52	74	52.58	32.28	6.18	33.56	100	237	Peak

Test Mode :	802.11n (HT-40) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.99	39.14	-14.86	54	34.46	32.18	6.03	33.53	100	216	Average
2389.99	55.9	-18.1	74	51.22	32.18	6.03	33.53	100	216	Peak
2437	82.32	-	-	77.52	32.24	6.11	33.55	100	216	Average
2437	94.74	-	-	89.96	32.22	6.11	33.55	100	216	Peak
2487.46	39.12	-14.88	54	34.22	32.28	6.18	33.56	100	216	Average
2487.46	55.23	-18.77	74	50.33	32.28	6.18	33.56	100	216	Peak

Test Mode :	802.11n (HT-40) M channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	06	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2437 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2389.09	53.43	-0.57	54	48.75	32.18	6.03	33.53	100	216	Average
2389.09	71.77	-2.23	74	67.09	32.18	6.03	33.53	100	216	Peak
2437	94.01	-	-	89.21	32.24	6.11	33.55	100	216	Average
2437	109.05	-	-	104.27	32.22	6.11	33.55	100	216	Peak
2485.18	49.66	-4.34	54	44.76	32.28	6.18	33.56	100	216	Average
2485.18	67.73	-6.27	74	62.83	32.28	6.18	33.56	100	216	Peak

Test Mode :	802.11n (HT-40) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	09	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	2452 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2358	35.46	-18.54	54	30.86	32.13	5.99	33.52	100	219	Average
2358	47.37	-26.63	74	42.77	32.13	5.99	33.52	100	219	Peak
2452	84.62	-	-	79.82	32.24	6.11	33.55	100	219	Average
2452	94.47	-	-	89.63	32.26	6.14	33.56	100	219	Peak
2483.5	50.2	-3.8	54	45.3	32.28	6.18	33.56	100	219	Average
2483.5	61.19	-12.81	74	56.29	32.28	6.18	33.56	100	219	Peak

Test Mode :	802.11n (HT-40) H channel at 2.4G band	**Temperature :**	23~25°C
Test Channel :	09	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	2452 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
2382	42.2	-11.8	54	37.54	32.16	6.03	33.53	100	219	Average
2382	58.52	-15.48	74	53.86	32.16	6.03	33.53	100	219	Peak
2452	91.04	-	-	86.24	32.24	6.11	33.55	100	219	Average
2452	103.62	-	-	98.82	32.24	6.11	33.55	100	219	Peak
2488.22	53.5	-0.5	54	48.59	32.3	6.18	33.57	100	219	Average
2488.22	69.85	-4.15	74	64.94	32.3	6.18	33.57	100	219	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.29	-7.79	86.08	69.96	34.51	7.01	33.19	100	212	Peak
5745	94.54	-	-	86.16	34.54	7.03	33.19	100	212	Average
5745	106.08	-	-	97.7	34.54	7.03	33.19	100	212	Peak
5850	50.85	-35.23	86.08	42.28	34.68	7.09	33.2	100	212	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	89.04	-4.26	93.3	80.71	34.51	7.01	33.19	100	212	Peak
5745	101.48	-	-	93.1	34.54	7.03	33.19	100	212	Average
5745	113.3	-	-	104.92	34.54	7.03	33.19	100	212	Peak
5850	50.71	-42.59	93.3	42.14	34.68	7.09	33.2	100	212	Peak
11490	48.25	-5.75	54	55.4	38.09	10.48	55.72	137	172	Average
11490	62.04	-11.96	74	69.19	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.95	-31.81	82.76	42.62	34.51	7.01	33.19	100	282	Peak
5785	91.19	-	-	82.74	34.59	7.05	33.19	100	282	Average
5785	102.76	-	-	94.28	34.61	7.06	33.19	100	282	Peak
5850	52.61	-30.15	82.76	44.04	34.68	7.09	33.2	100	282	Peak
11570	39.28	-14.72	54	46.04	38.2	10.54	55.5	164	179	Average
11570	54.19	-19.81	74	60.85	38.22	10.56	55.44	164	179	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	56.96	-41.71	98.67	48.63	34.51	7.01	33.19	100	282	Peak
5785	106.32	-	-	97.87	34.59	7.05	33.19	100	282	Average
5785	118.67	-	-	110.22	34.59	7.05	33.19	100	282	Peak
5850	50.9	-47.77	98.67	42.33	34.68	7.09	33.2	100	282	Peak
11570	52.09	-1.91	54	58.85	38.2	10.54	55.5	164	179	Average
11570	65.69	-8.31	74	72.45	38.2	10.54	55.5	164	179	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.41	-32.96	83.37	42.08	34.51	7.01	33.19	100	271	Peak
5825	91.46	-	-	82.89	34.68	7.09	33.2	100	271	Average
5825	103.37	-	-	94.87	34.63	7.07	33.2	100	271	Peak
5850	75.28	-8.09	83.37	66.71	34.68	7.09	33.2	100	271	Peak
11650	43.27	-10.73	54	49.65	38.29	10.6	55.27	127	183	Average
11650	56.22	-17.78	74	62.51	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	52.71	-44.01	96.72	44.38	34.51	7.01	33.19	100	271	Peak
5825	104.2	-	-	95.67	34.66	7.07	33.2	100	271	Average
5825	116.72	-	-	108.19	34.66	7.07	33.2	100	271	Peak
5850	82.78	-13.94	96.72	74.21	34.68	7.09	33.2	100	271	Peak
11650	53.47	-0.53	54	59.85	38.29	10.6	55.27	127	183	Average
11650	67.85	-6.15	74	74.14	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	82.42	-0.93	83.35	74.59	34.51	7.01	33.19	100	283	Peak
5755	90.16	-	-	81.76	34.56	7.03	33.19	100	283	Average
5755	103.35	-	-	94.93	34.56	7.05	33.19	100	283	Peak
5850	53.08	-30.27	83.35	44.51	34.68	7.09	33.2	100	283	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.65	-1.37	94.02	84.32	34.51	7.01	33.19	100	283	Peak
5755	101.27	-	-	92.87	34.56	7.03	33.19	100	283	Average
5755	114.02	-	-	105.64	34.54	7.03	33.19	100	283	Peak
5850	60.25	-33.77	94.02	51.68	34.68	7.09	33.2	100	283	Peak
11510	47.69	-6.31	54	54.81	38.1	10.5	55.72	134	186	Average
11510	62.52	-11.48	74	69.64	38.1	10.5	55.72	134	186	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5724	59.83	-14.17	74	51.5	34.51	7.01	33.19	100	271	Peak
5795	89.34	-	-	80.86	34.61	7.06	33.19	100	271	Average
5795	101.9	-	-	93.42	34.61	7.06	33.19	100	271	Peak
5850	60.9	-13.1	74	52.33	34.68	7.09	33.2	100	271	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	68.04	-5.96	74	59.71	34.51	7.01	33.19	100	271	Peak
5795	99.71	-	-	91.23	34.61	7.06	33.19	100	271	Average
5795	112.47	-	-	104.02	34.59	7.05	33.19	100	271	Peak
5850	69.74	-4.26	74	61.17	34.68	7.09	33.2	100	271	Peak
11590	47.23	-6.77	54	53.89	38.22	10.56	55.44	132	186	Average
11590	62	-12	74	68.66	38.22	10.56	55.44	132	186	Peak

<Beam-Forming Off: 2x3>

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.29	-7.79	86.08	69.96	34.51	7.01	33.19	100	212	Peak
5745	94.54	-	-	86.16	34.54	7.03	33.19	100	212	Average
5745	106.08	-	-	97.7	34.54	7.03	33.19	100	212	Peak
5850	50.85	-35.23	86.08	42.28	34.68	7.09	33.2	100	212	Peak

Test Mode :	802.11n (HT-20) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	149	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5745 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	89.04	-4.26	93.3	80.71	34.51	7.01	33.19	100	212	Peak
5745	101.48	-	-	93.1	34.54	7.03	33.19	100	212	Average
5745	113.3	-	-	104.92	34.54	7.03	33.19	100	212	Peak
5850	50.71	-42.59	93.3	42.14	34.68	7.09	33.2	100	212	Peak
11490	48.25	-5.75	54	55.4	38.09	10.48	55.72	137	172	Average
11490	62.04	-11.96	74	69.19	38.09	10.48	55.72	137	172	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.95	-31.81	82.76	42.62	34.51	7.01	33.19	100	282	Peak
5785	91.19	-	-	82.74	34.59	7.05	33.19	100	282	Average
5785	102.76	-	-	94.28	34.61	7.06	33.19	100	282	Peak
5850	52.61	-30.15	82.76	44.04	34.68	7.09	33.2	100	282	Peak
11570	39.28	-14.72	54	46.04	38.2	10.54	55.5	164	179	Average
11570	54.19	-19.81	74	60.85	38.22	10.56	55.44	164	179	Peak

Test Mode :	802.11n (HT-20) M channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	157	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5785 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	56.96	-41.71	98.67	48.63	34.51	7.01	33.19	100	282	Peak
5785	106.32	-	-	97.87	34.59	7.05	33.19	100	282	Average
5785	118.67	-	-	110.22	34.59	7.05	33.19	100	282	Peak
5850	50.9	-47.77	98.67	42.33	34.68	7.09	33.2	100	282	Peak
11570	52.09	-1.91	54	58.85	38.2	10.54	55.5	164	179	Average
11570	65.69	-8.31	74	72.45	38.2	10.54	55.5	164	179	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	50.41	-32.96	83.37	42.08	34.51	7.01	33.19	100	271	Peak
5825	91.46	-	-	82.89	34.68	7.09	33.2	100	271	Average
5825	103.37	-	-	94.87	34.63	7.07	33.2	100	271	Peak
5850	75.28	-8.09	83.37	66.71	34.68	7.09	33.2	100	271	Peak
11650	43.27	-10.73	54	49.65	38.29	10.6	55.27	127	183	Average
11650	56.22	-17.78	74	62.51	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-20) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	165	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5825 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	52.71	-44.01	96.72	44.38	34.51	7.01	33.19	100	271	Peak
5825	104.2	-	-	95.67	34.66	7.07	33.2	100	271	Average
5825	116.72	-	-	108.19	34.66	7.07	33.2	100	271	Peak
5850	82.78	-13.94	96.72	74.21	34.68	7.09	33.2	100	271	Peak
11650	53.47	-0.53	54	59.85	38.29	10.6	55.27	127	183	Average
11650	67.85	-6.15	74	74.14	38.32	10.6	55.21	127	183	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	82.42	-0.93	83.35	74.59	34.51	7.01	33.19	100	283	Peak
5755	90.16	-	-	81.76	34.56	7.03	33.19	100	283	Average
5755	103.35	-	-	94.93	34.56	7.05	33.19	100	283	Peak
5850	53.08	-30.27	83.35	44.51	34.68	7.09	33.2	100	283	Peak

Test Mode :	802.11n (HT-40) L channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	151	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5755 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	92.65	-1.37	94.02	84.32	34.51	7.01	33.19	100	283	Peak
5755	101.27	-	-	92.87	34.56	7.03	33.19	100	283	Average
5755	114.02	-	-	105.64	34.54	7.03	33.19	100	283	Peak
5850	60.25	-33.77	94.02	51.68	34.68	7.09	33.2	100	283	Peak
11510	47.69	-6.31	54	54.81	38.1	10.5	55.72	134	186	Average
11510	62.52	-11.48	74	69.64	38.1	10.5	55.72	134	186	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5724	59.83	-14.17	74	51.5	34.51	7.01	33.19	100	271	Peak
5795	89.34	-	-	80.86	34.61	7.06	33.19	100	271	Average
5795	101.9	-	-	93.42	34.61	7.06	33.19	100	271	Peak
5850	60.9	-13.1	74	52.33	34.68	7.09	33.2	100	271	Peak

Test Mode :	802.11n (HT-40) H channel at 5.8G band	**Temperature :**	23~25°C
Test Channel :	159	**Relative Humidity :**	56~60%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	5795 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	68.04	-5.96	74	59.71	34.51	7.01	33.19	100	271	Peak
5795	99.71	-	-	91.23	34.61	7.06	33.19	100	271	Average
5795	112.47	-	-	104.02	34.59	7.05	33.19	100	271	Peak
5850	69.74	-4.26	74	61.17	34.68	7.09	33.2	100	271	Peak
11590	47.23	-6.77	54	53.89	38.22	10.56	55.44	132	186	Average
11590	62	-12	74	68.66	38.22	10.56	55.44	132	186	Peak

3.8 AC Conducted Emission Measurement

3.8.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

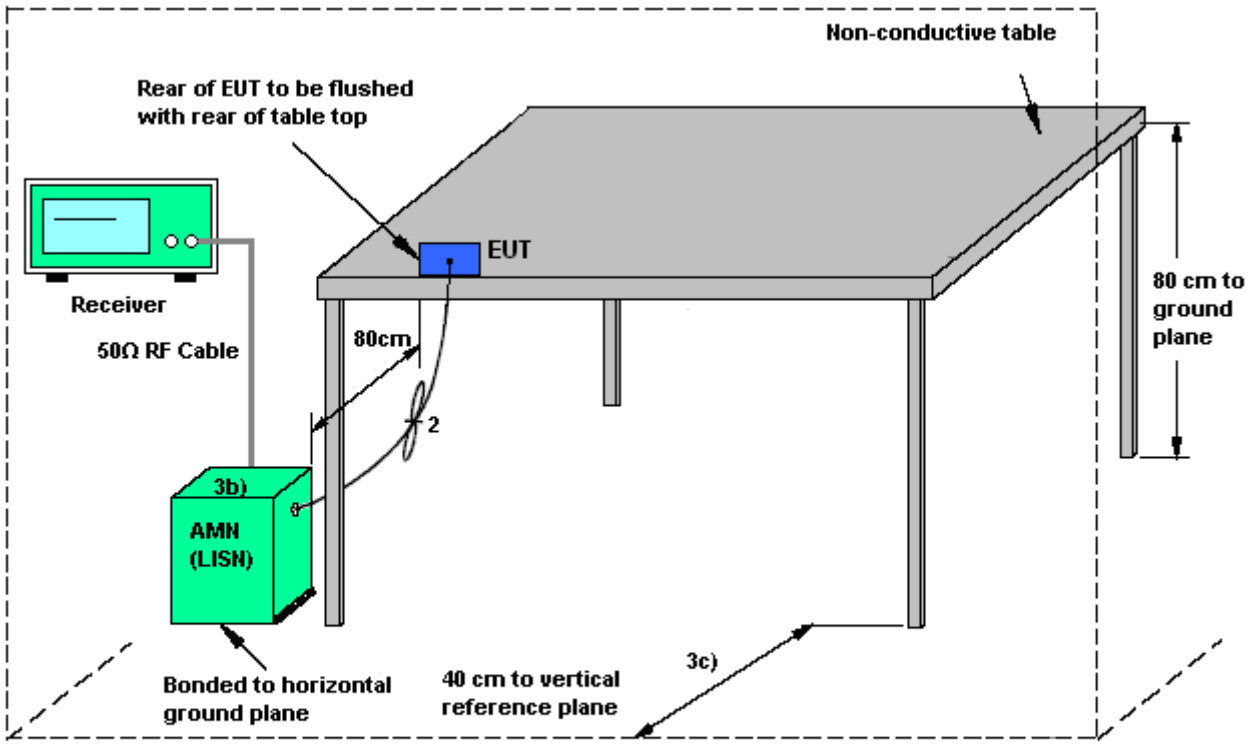
3.8.2 Measuring Instruments

See list of measuring instruments of this test report.

3.8.3 Test Procedures

4. The testing follows the guidelines in ANSI C63.4-2003.
5. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
6. Connect EUT to the power mains through a line impedance stabilization network (LISN).
7. All the support units are connecting to the other LISN.
8. The LISN provides 50 ohm coupling impedance for the measuring instrument.
9. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
10. Both sides of AC line were checked for maximum conducted interference.
11. The frequency range from 150 kHz to 30 MHz was searched.
12. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

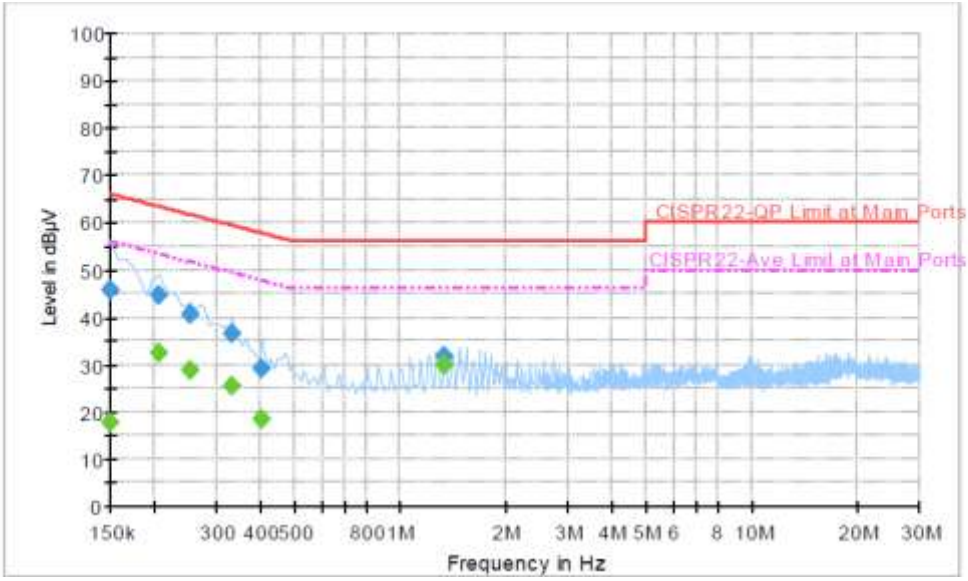
3.8.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.8.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Novic Jiang	**Relative Humidity :**	48~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	WLAN Link (2.4G) + Antenna (EBJ Aux. + EBJ Aux.)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



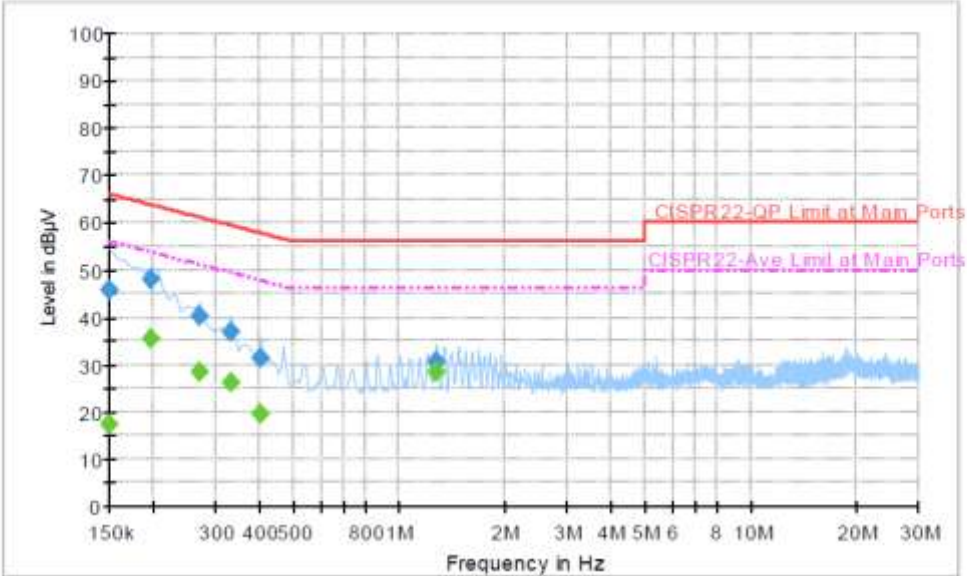
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.6	Off	L1	19.4	20.4	66.0
0.206000	44.8	Off	L1	19.3	18.6	63.4
0.254000	40.5	Off	L1	19.3	21.1	61.6
0.334000	36.7	Off	L1	19.3	22.7	59.4
0.406000	29.0	Off	L1	19.4	28.7	57.7
1.342000	31.6	Off	L1	19.4	24.4	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	17.5	Off	L1	19.4	38.5	56.0
0.206000	32.3	Off	L1	19.3	21.1	53.4
0.254000	28.7	Off	L1	19.3	22.9	51.6
0.334000	25.6	Off	L1	19.3	23.8	49.4
0.406000	18.5	Off	L1	19.4	29.2	47.7
1.342000	29.7	Off	L1	19.4	16.3	46.0

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Novic Jiang	Relative Humidity :	48~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Link (2.4G) + Antenna (EBJ Aux. + EBJ Aux.)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



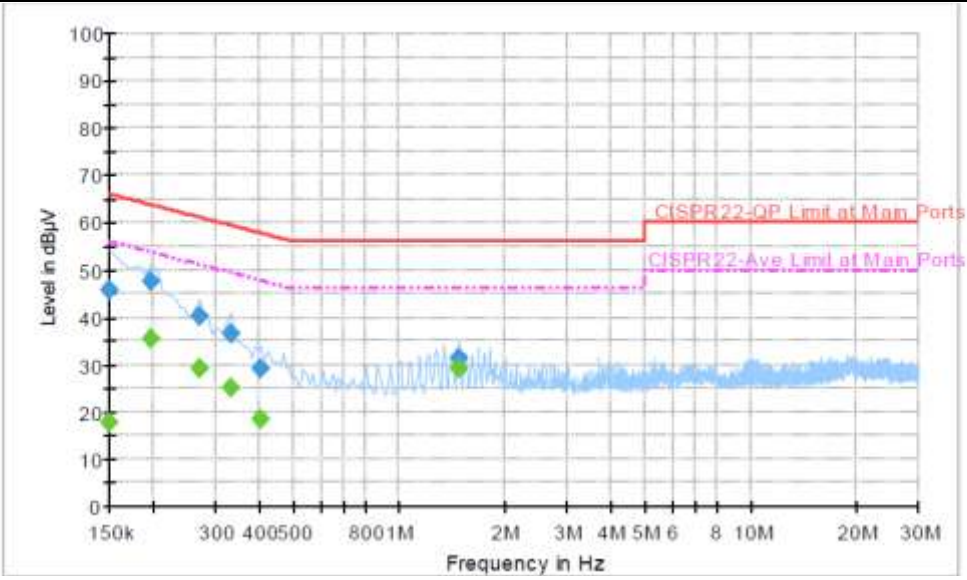
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.7	Off	N	19.4	20.3	66.0
0.198000	47.8	Off	N	19.3	15.9	63.7
0.270000	40.1	Off	N	19.3	21.0	61.1
0.334000	37.0	Off	N	19.3	22.4	59.4
0.406000	31.2	Off	N	19.4	26.5	57.7
1.278000	30.6	Off	N	19.5	25.4	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	17.4	Off	N	19.4	38.6	56.0
0.198000	35.4	Off	N	19.3	18.3	53.7
0.270000	28.3	Off	N	19.3	22.8	51.1
0.334000	26.3	Off	N	19.3	23.1	49.4
0.406000	19.5	Off	N	19.4	28.2	47.7
1.278000	28.3	Off	N	19.5	17.7	46.0

Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Novic Jiang	**Relative Humidity :**	48~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	WLAN Link (5G) + Antenna (EBJ Main + EBJ Main)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



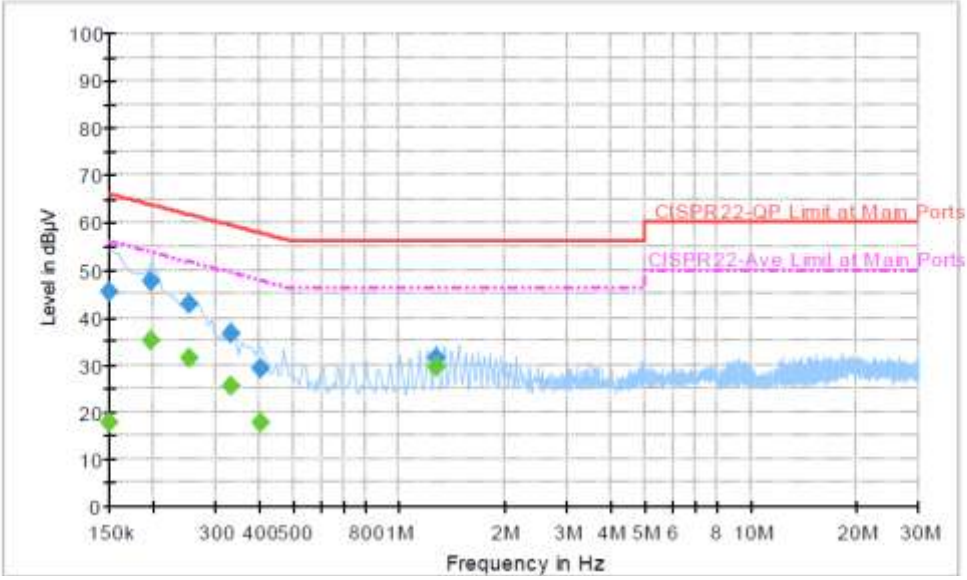
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.8	Off	L1	19.4	20.2	66.0
0.198000	47.7	Off	L1	19.3	16.0	63.7
0.270000	40.3	Off	L1	19.3	20.8	61.1
0.334000	36.6	Off	L1	19.3	22.8	59.4
0.406000	29.1	Off	L1	19.4	28.6	57.7
1.478000	31.5	Off	L1	19.4	24.5	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	17.7	Off	L1	19.4	38.3	56.0
0.198000	35.4	Off	L1	19.3	18.3	53.7
0.270000	29.2	Off	L1	19.3	21.9	51.1
0.334000	25.2	Off	L1	19.3	24.2	49.4
0.406000	18.6	Off	L1	19.4	29.1	47.7
1.478000	29.2	Off	L1	19.4	16.8	46.0

Test Mode :	Mode 2	**Temperature :**	20~22℃
Test Engineer :	Novic Jiang	**Relative Humidity :**	48~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	WLAN Link (5G) + Antenna (EBJ Main + EBJ Main)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	45.2	Off	N	19.4	20.8	66.0
0.198000	47.5	Off	N	19.3	16.2	63.7
0.254000	42.8	Off	N	19.4	18.8	61.6
0.334000	36.6	Off	N	19.3	22.8	59.4
0.406000	29.0	Off	N	19.4	28.7	57.7
1.278000	31.4	Off	N	19.5	24.6	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	17.9	Off	N	19.4	38.1	56.0
0.198000	35.0	Off	N	19.3	18.7	53.7
0.254000	31.3	Off	N	19.4	20.3	51.6
0.334000	25.5	Off	N	19.3	23.9	49.4
0.406000	17.7	Off	N	19.4	30.0	47.7
1.278000	29.6	Off	N	19.5	16.4	46.0

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP30	101329	9kHz~30GHz	Apr. 26, 2010	Apr. 25, 2011	Conducted (TH02-HY)
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 13, 2010	Sep. 12, 2011	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	0846202	N/A	Sep. 14, 2010	Sep. 13, 2011	Conducted (TH02-HY)
EMI Test Receive	R&S	ESCS 30	100356	9KHz – 2.75GHz	Aug. 16, 2010	Aug. 15, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9kHz~30MHz	Nov. 30, 2009	Nov. 29, 2010	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9kHz~30MHz	Nov. 23, 2009	Nov. 22, 2010	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP30	101352	9KHz-40GHz	Nov. 3, 2010	Nov. 2, 2011	Radiation (03CH05-HY)
Amplifier	COM-POWER	PA-103	161069	1KHz - 1GHz	Mar. 29, 2010	Mar. 28, 2011	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2726	30MHz ~ 1GHz	Oct. 31, 2010	Oct. 30, 2011	Radiation (03CH05-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz- 40GHz	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH05-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Nov. 11, 2009	Nov. 10, 2010	Radiation (03CH05-HY)
Turn Table	HD	Deis HD 2000	420/611	0 - 360 degree	N/A	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	MA 240	240/666	1 m - 4 m	N/A	N/A	Radiation (03CH05-HY)
Horn Antenna	ESCO	3117	00066584	1GHz ~ 18GHz	Aug. 05, 2010	Aug. 04, 2011	Radiation (03CH05-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH05-HY)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.10	Normal (k=2)	0.05
Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
Combined Standard Uncertainty Uc(y)	**1.13**		
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	Normal (k=2)	0.13
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41	U-Shape	0.28
Combined Standard Uncertainty Uc(y)	**1.27**		
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.54**		

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of X_i		$u(X_i)$	C_i	$C_i * u(X_i)$
	dB	Probability Distribution			
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR Γ1 = 0.197 Antenna VSWR Γ2 = 0.194 Uncertainty = 20Log(1-Γ1*Γ2)	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty Uc(y)	**2.36**				
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.72**				