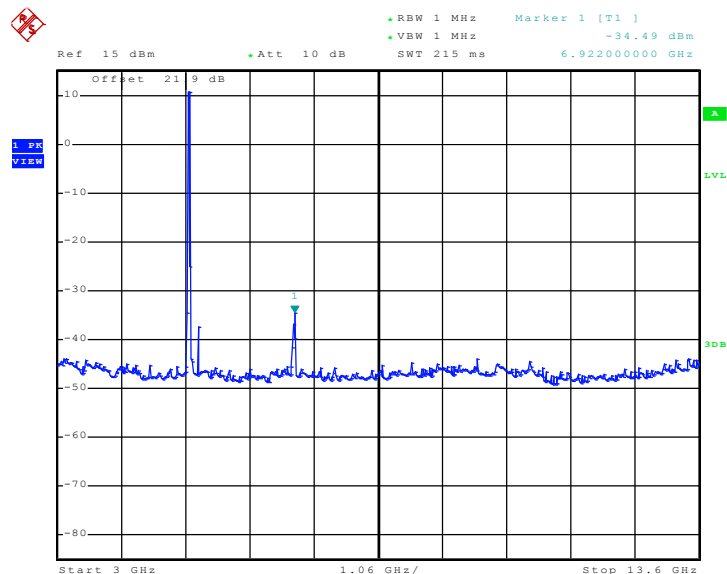
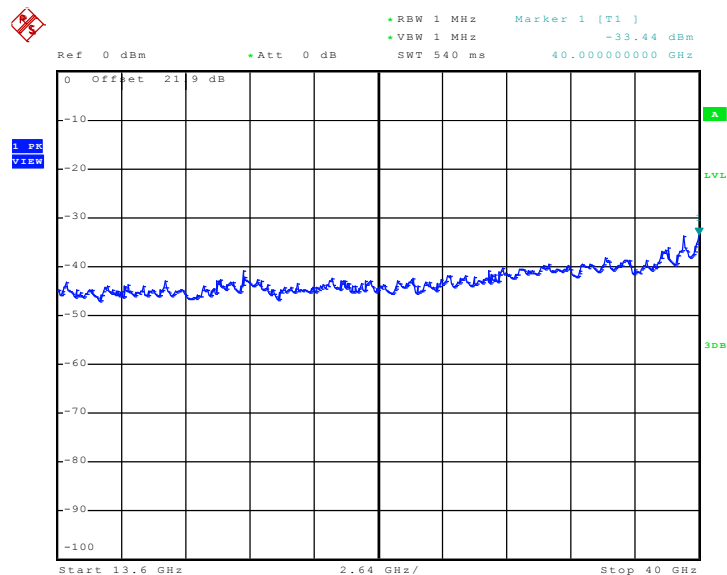
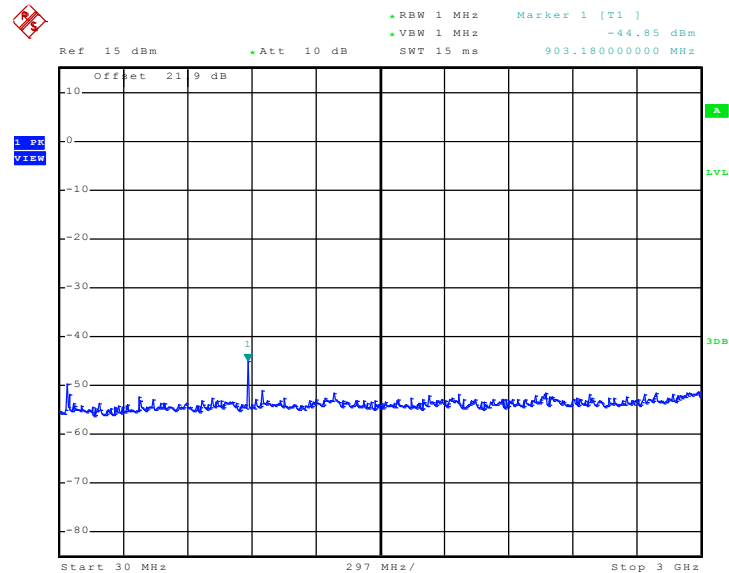


**Mode 1 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


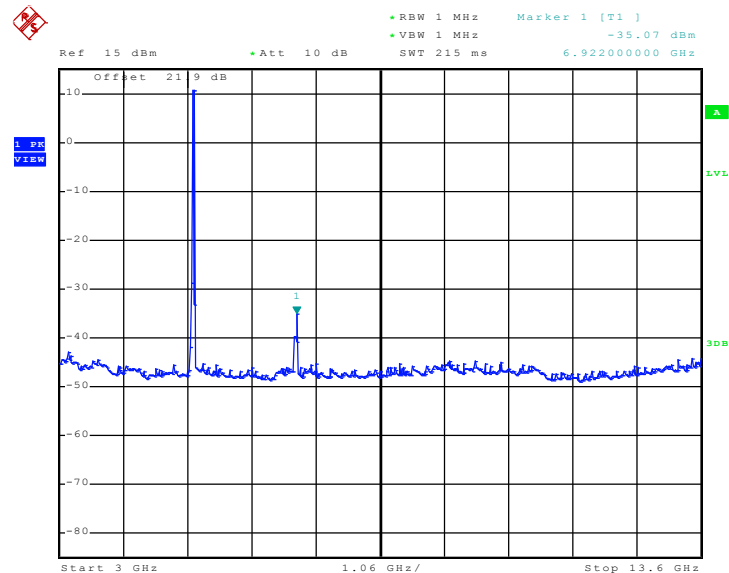
Date: 10.DEC.2010 17:11:52

**Mode 1 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:12:07

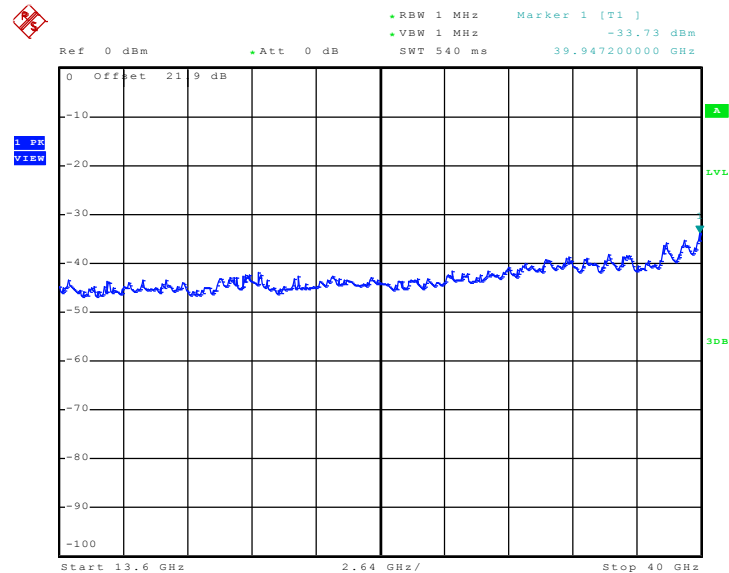
**Mode 2 : Conducted Spurious Emission Plot between
802.11a 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:12:39

**Mode 2 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


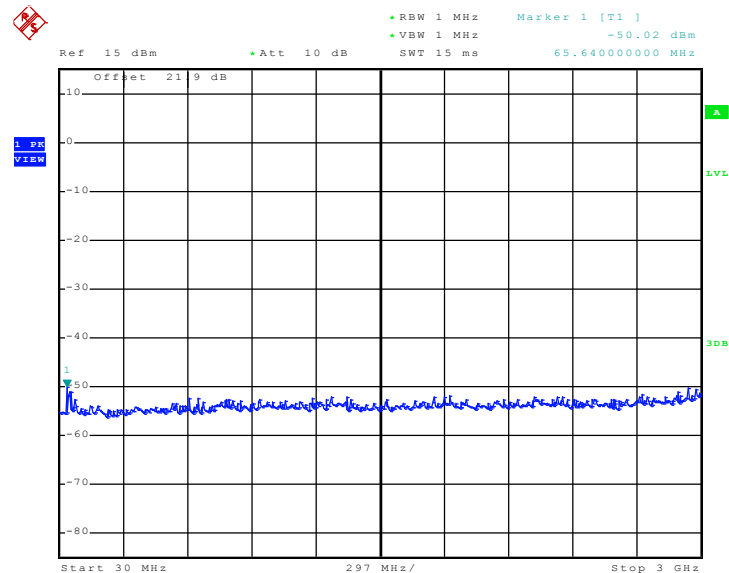
Date: 10.DEC.2010 17:12:51

Mode 2 : Conducted Spurious Emission Plot between 802.11a 13.6 GHz ~ 40 GHz



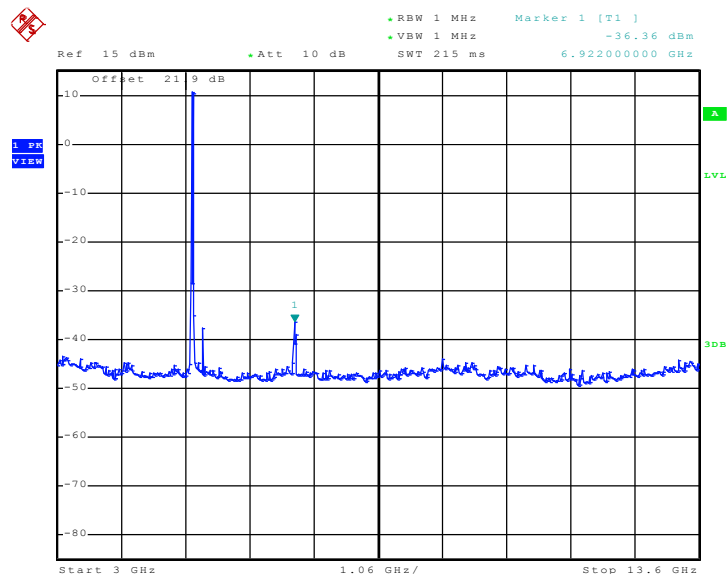
Date: 10.DEC.2010 17:13:03

Mode 3 : Conducted Spurious Emission Plot between 802.11a 30 MHz ~ 3 GHz



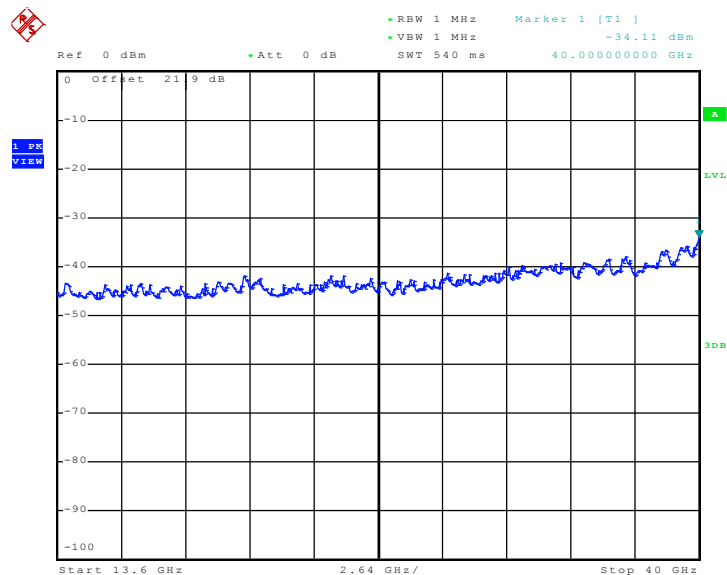
Date: 10.DEC.2010 17:13:24

Mode 3 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz

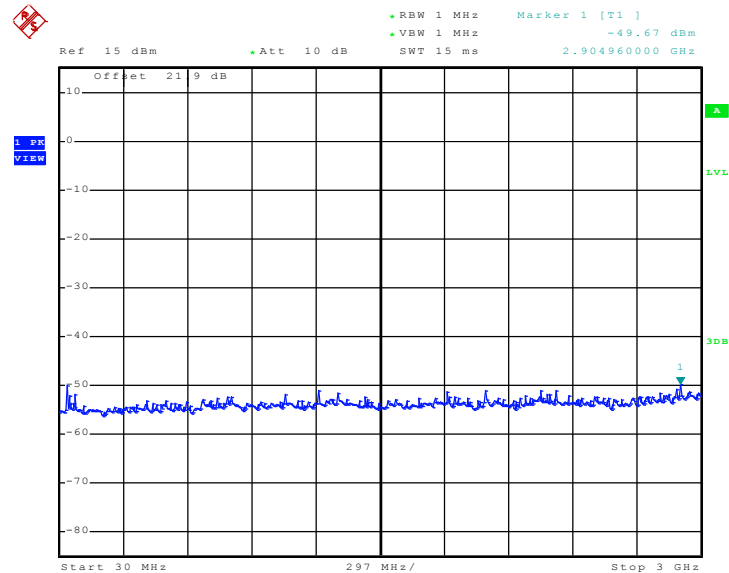


Date: 10.DEC.2010 17:13:36

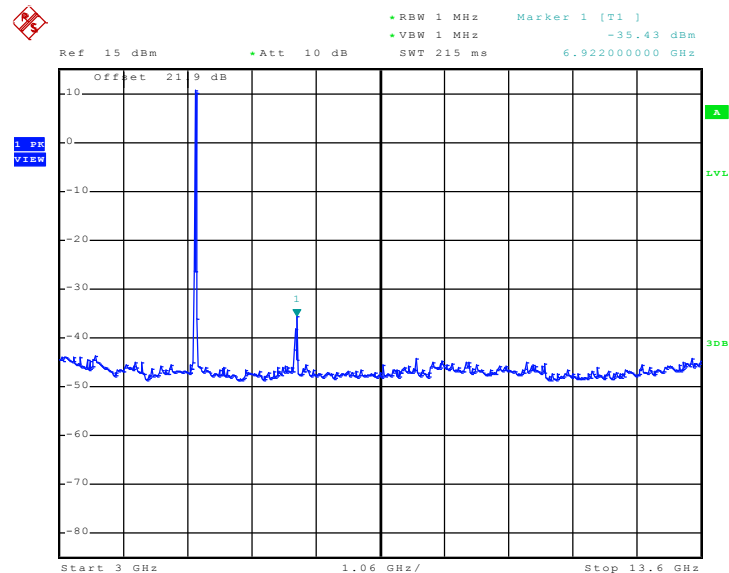
Mode 3 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz



Date: 10.DEC.2010 17:13:48

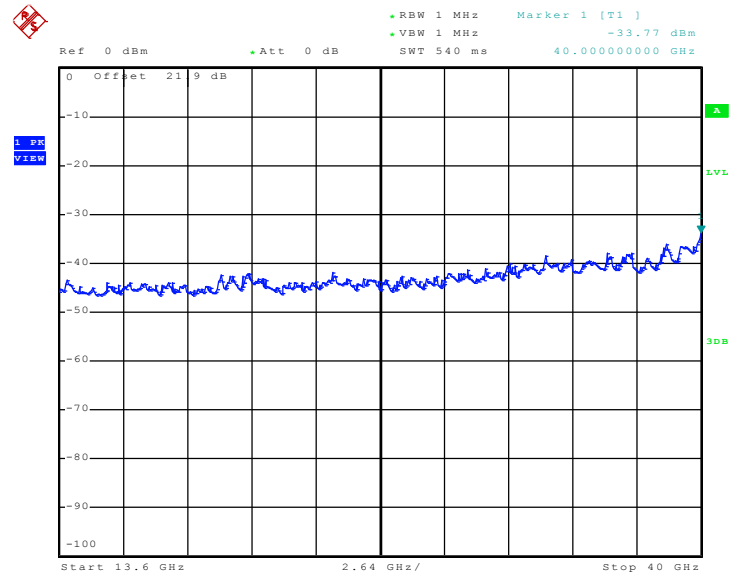
**Mode 4 : Conducted Spurious Emission Plot between
802.11a 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:14:10

**Mode 4 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


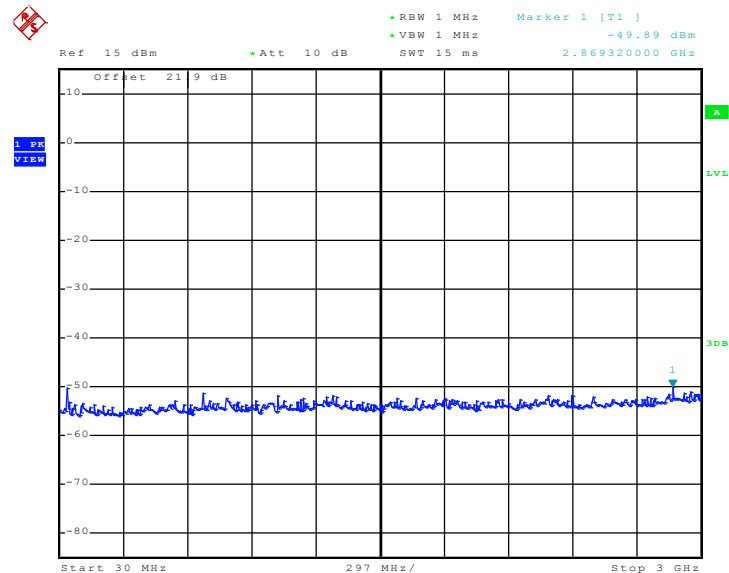
Date: 10.DEC.2010 17:14:22

Mode 4 : Conducted Spurious Emission Plot between 802.11a 13.6 GHz ~ 40 GHz

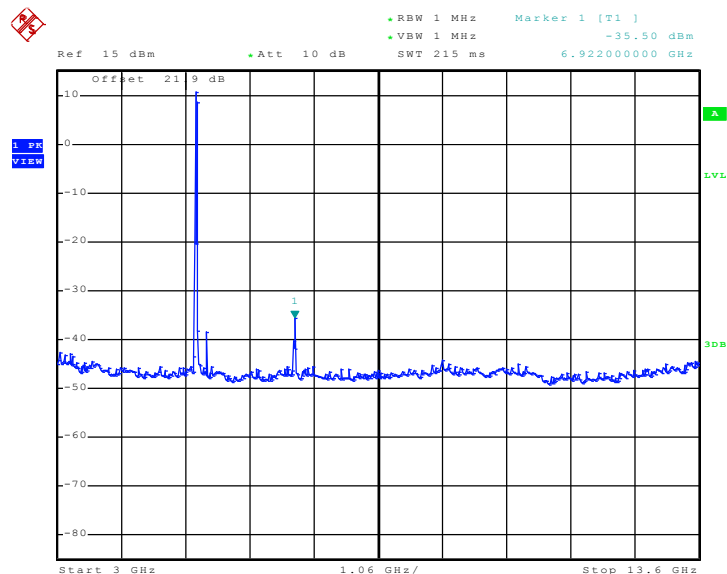


Date: 10.DEC.2010 17:14:34

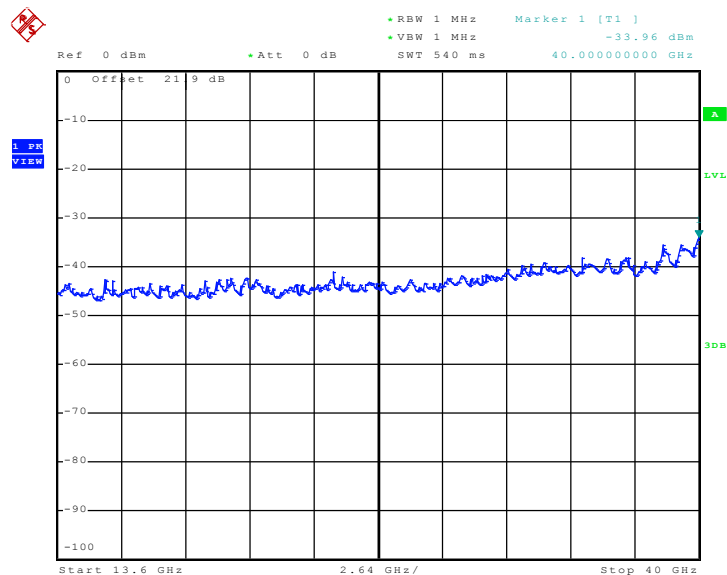
Mode 5 : Conducted Spurious Emission Plot between 802.11a 30 MHz ~ 3 GHz



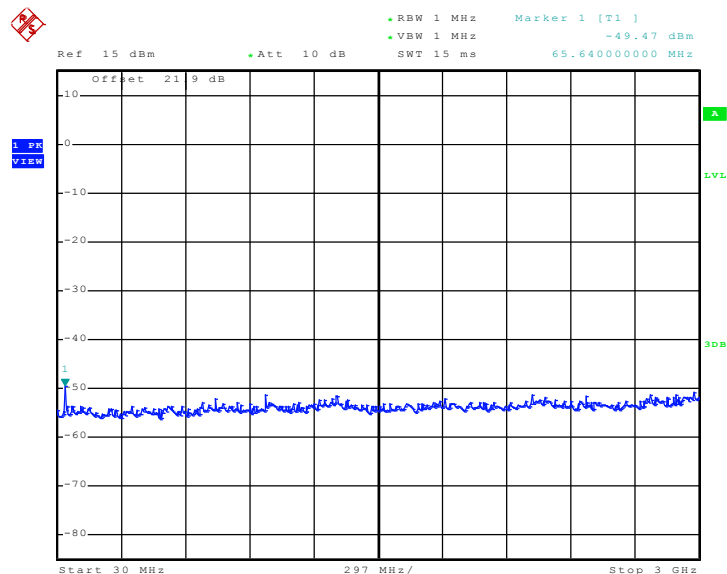
Date: 10.DEC.2010 17:14:58

**Mode 5 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


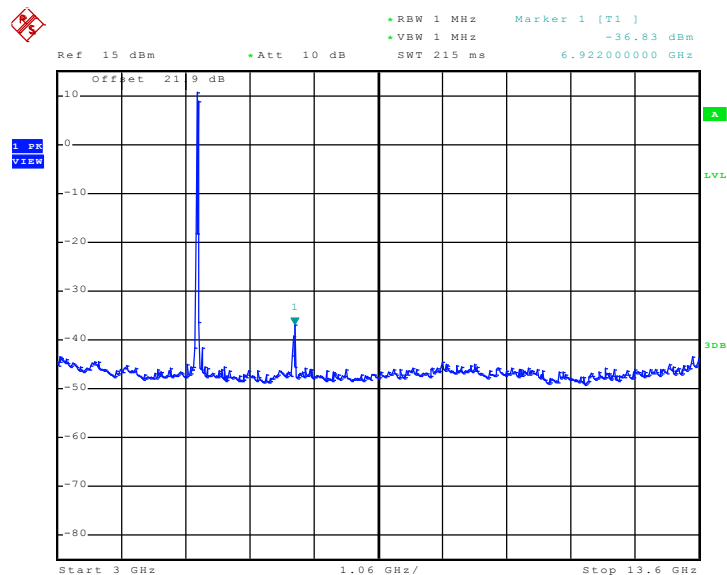
Date: 10.DEC.2010 17:15:09

**Mode 5 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:15:21

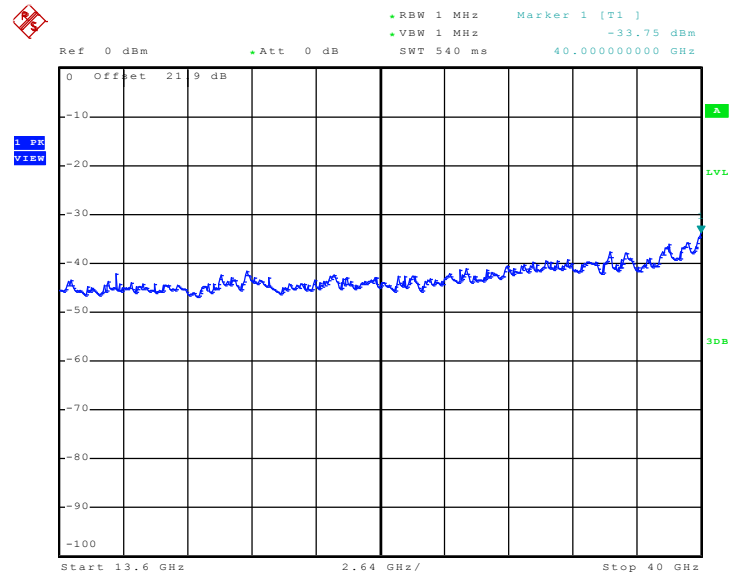
**Mode 6 : Conducted Spurious Emission Plot between
802.11a 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:16:03

**Mode 6 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


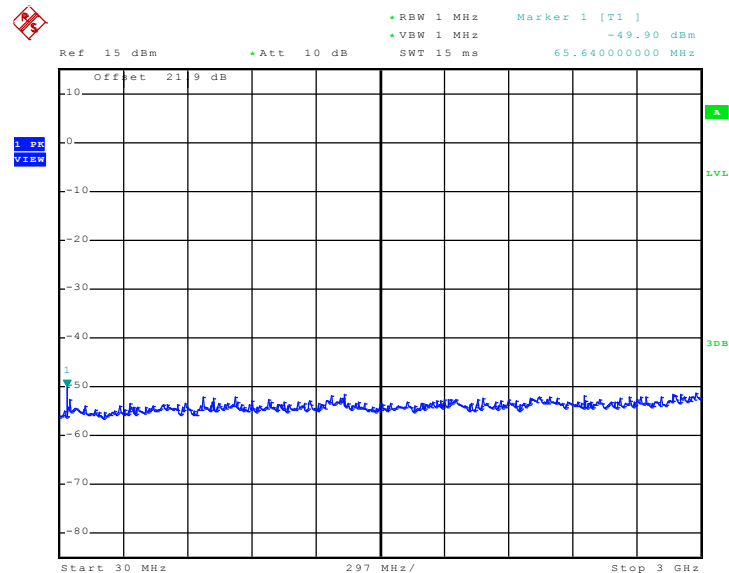
Date: 10.DEC.2010 17:16:14

Mode 6 : Conducted Spurious Emission Plot between 802.11a 13.6 GHz ~ 40 GHz



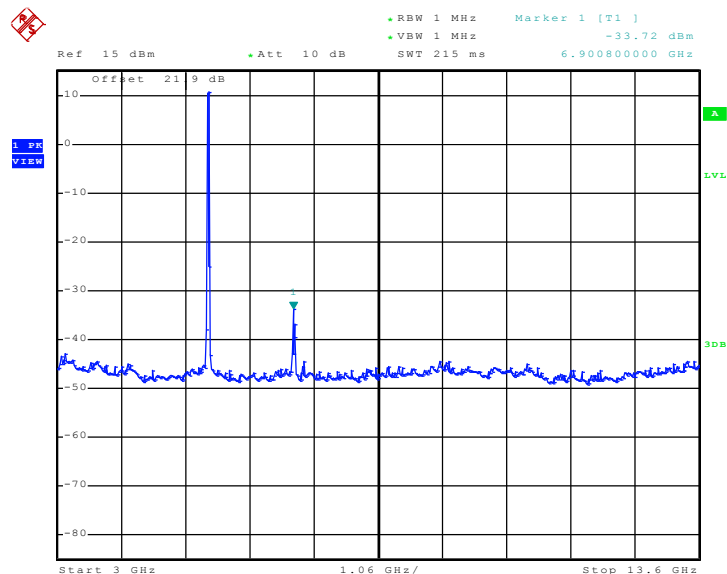
Date: 10.DEC.2010 17:16:26

Mode 7 : Conducted Spurious Emission Plot between 802.11a 30 MHz ~ 3 GHz



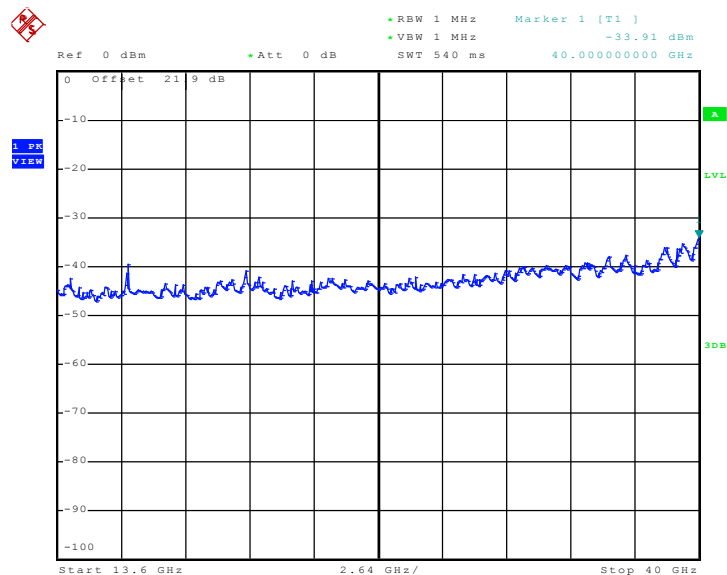
Date: 10.DEC.2010 17:17:02

**Mode 7 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**

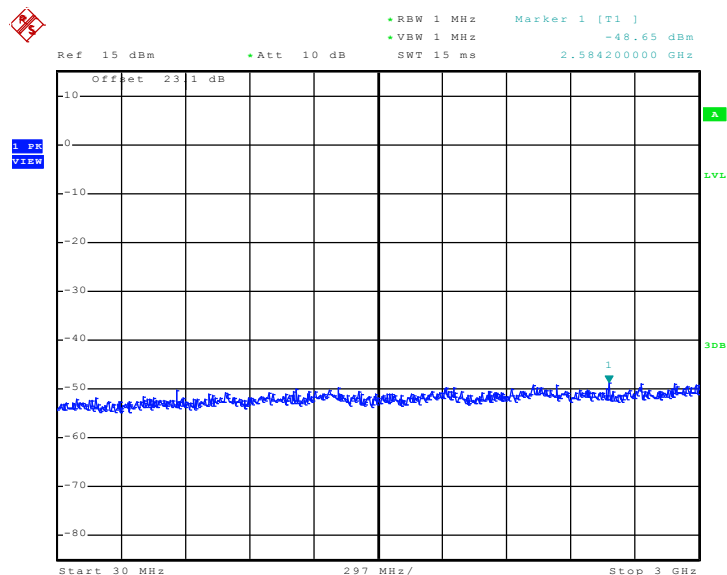


Date: 10.DEC.2010 17:17:14

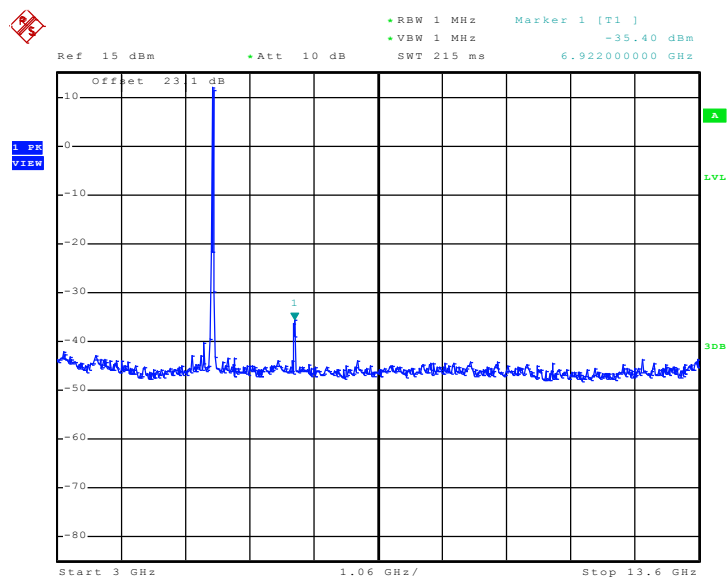
**Mode 7 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz**



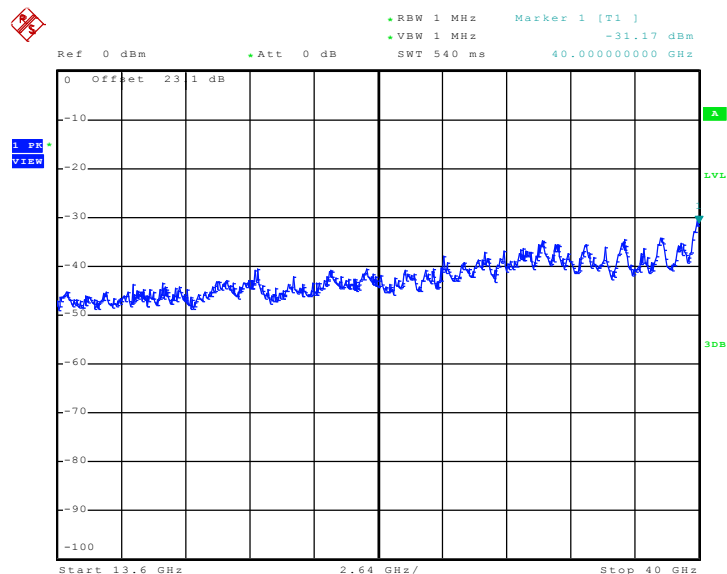
Date: 10.DEC.2010 17:17:26

**Mode 8 : Conducted Spurious Emission Plot between
802.11a 30 MHz ~ 3 GHz**


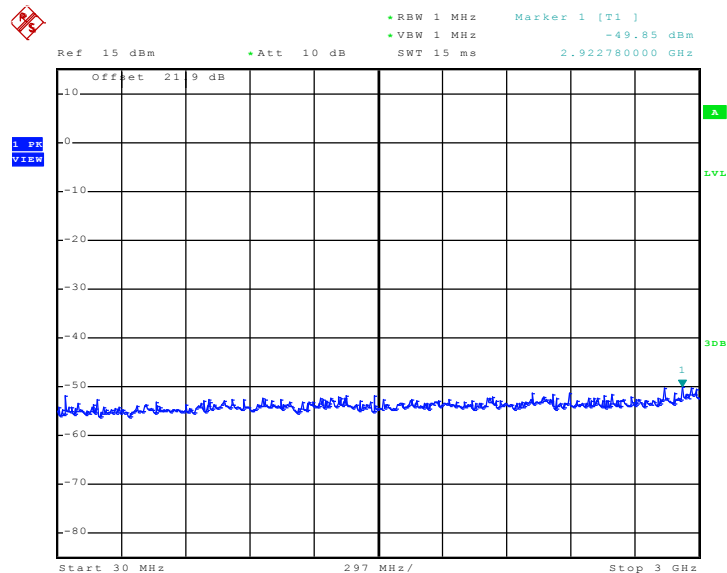
Date: 10.FEB.2011 00:45:27

**Mode 8 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


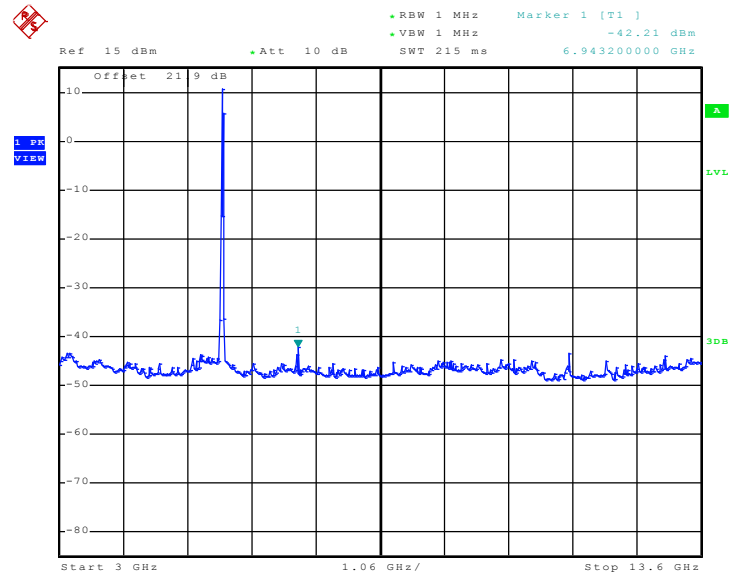
Date: 10.FEB.2011 00:50:01

**Mode 8 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz**


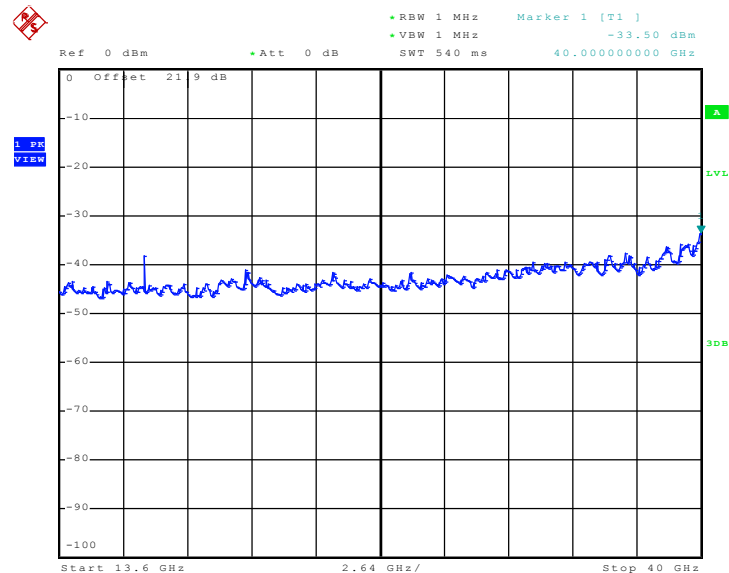
Date: 10.FEB.2011 00:53:52

**Mode 9 : Conducted Spurious Emission Plot between
802.11a 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:22:04

**Mode 9 : Conducted Spurious Emission Plot between
802.11a 3 GHz ~ 13.6 GHz**


Date: 10.DEC.2010 17:22:15

**Mode 9 : Conducted Spurious Emission Plot between
802.11a 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:22:27

Test Mode :	Mode 10~18	Temperature :	25~27°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	54~57%
Test Channel :	36, 44, 48, 52, 60, 64, 100, 116, 140	Test Engineer :	Ken Hsu

<30 MHz ~ 3 GHz>

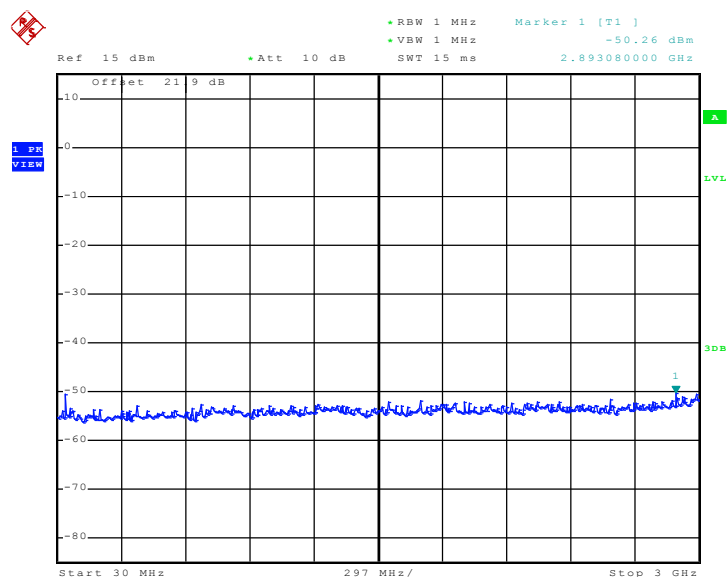
Channel	Frequency (MHz)	Frequency (MHz)	Level (dBm)	Antenna Gain (dBi)	EIRP Test Result (dBm)	Limit (dBm)
36	5180	2893.08	-50.26	3.5	-46.76	-27
44	5220	77.52	-33.08	3.5	-29.58	-27
48	5240	65.64	-49.93	3.5	-46.43	-27
52	5260	903.18	-46.01	3.5	-42.51	-27
60	5300	903.18	-40.75	3.5	-37.25	-27
64	5320	903.18	-42.49	3.5	-38.99	-27
100	5500	35.94	-46.45	3.5	-42.95	-27
116	5580	2221.86	-48.47	3.5	-44.97	-27
140	5700	903.18	-42.73	3.5	-39.23	-27

<3 GHz ~ 13.6 GHz>

Channel	Frequency (MHz)	Frequency (MHz)	Level (dBm)	Antenna Gain (dBi)	EIRP Test Result (dBm)	Limit (dBm)
36	5180	6922.0	-36.99	3.5	-33.49	-27
44	5220	6900.8	-37.35	3.5	-33.85	-27
48	5240	6922.0	-33.94	3.5	-30.44	-27
52	5260	6922.0	-35.34	3.5	-31.84	-27
60	5300	6922.0	-36.26	3.5	-32.76	-27
64	5320	6922.0	-39.15	3.5	-35.65	-27
100	5500	6922.0	-35.55	3.5	-32.05	-27
116	5580	6922.0	-34.93	3.5	-31.43	-27
140	5700	5544.0	-39.98	3.5	-36.48	-27

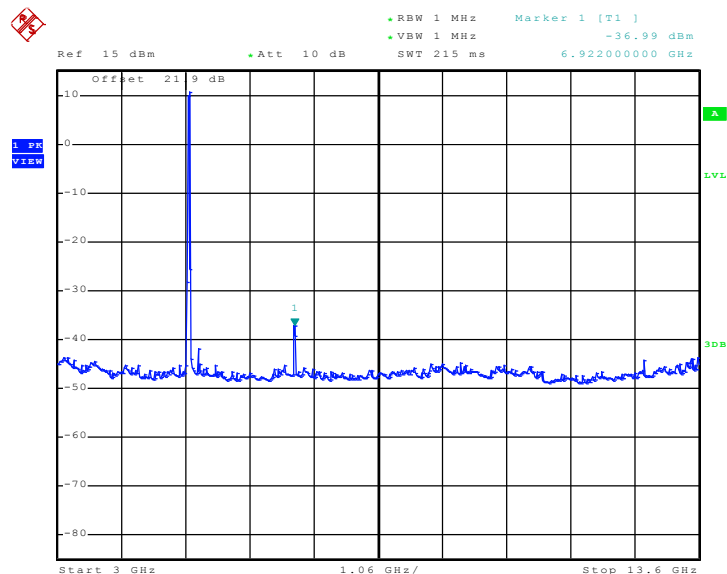
<13.6 GHz ~ 40 GHz>

Channel	Frequency (MHz)	Frequency (MHz)	Level (dBm)	Antenna Gain (dBi)	EIRP Test Result (dBm)	Limit (dBm)
36	5180	40000.0	-33.40	3.5	-29.90	-27
44	5220	39894.4	-33.57	3.5	-30.07	-27
48	5240	40000.0	-33.11	3.5	-29.61	-27
52	5260	40000.0	-33.33	3.5	-29.83	-27
60	5300	40000.0	-33.11	3.5	-29.61	-27
64	5320	40000.0	-33.78	3.5	-30.28	-27
100	5500	40000.0	-33.51	3.5	-30.01	-27
116	5580	40000.0	-30.90	3.5	-27.40	-27
140	5700	40000.0	-33.98	3.5	-30.48	-27

**Mode 10 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


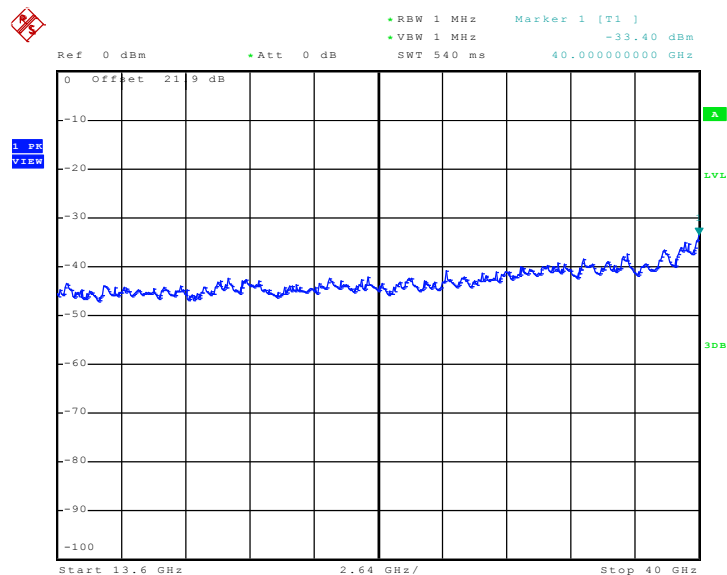
Date: 10.DEC.2010 17:28:36

Mode 10 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz

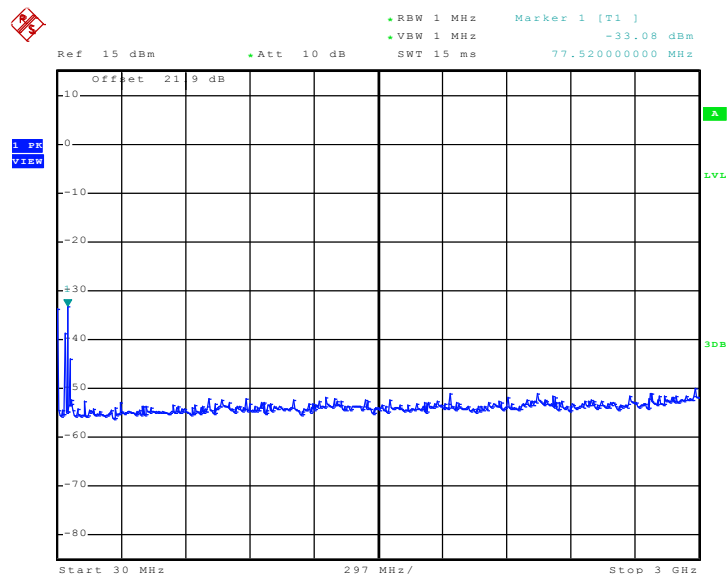


Date: 10.DEC.2010 17:28:48

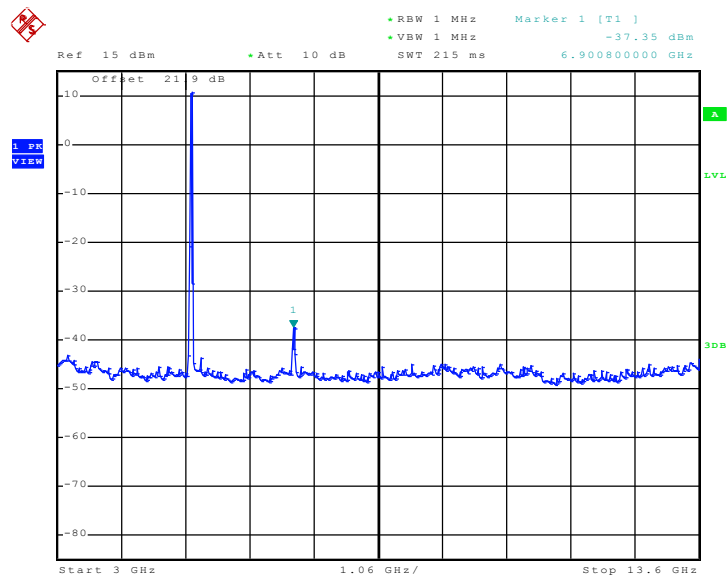
Mode 10 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz



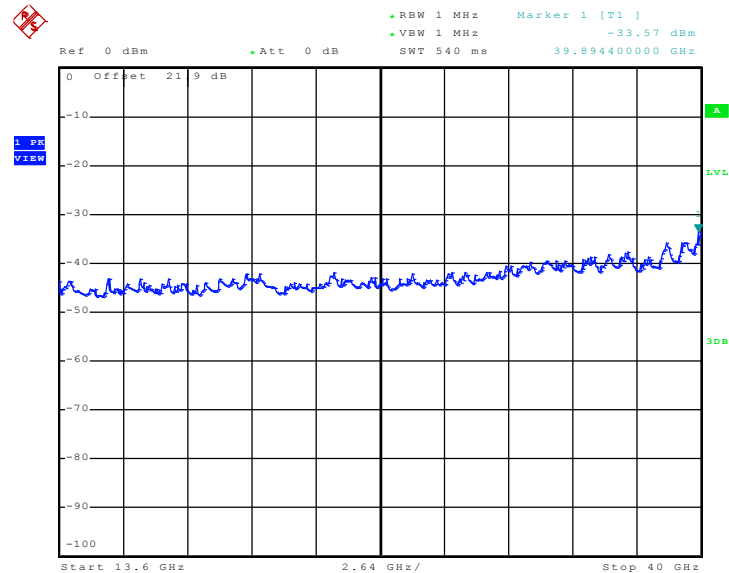
Date: 10.DEC.2010 17:29:00

**Mode 11 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


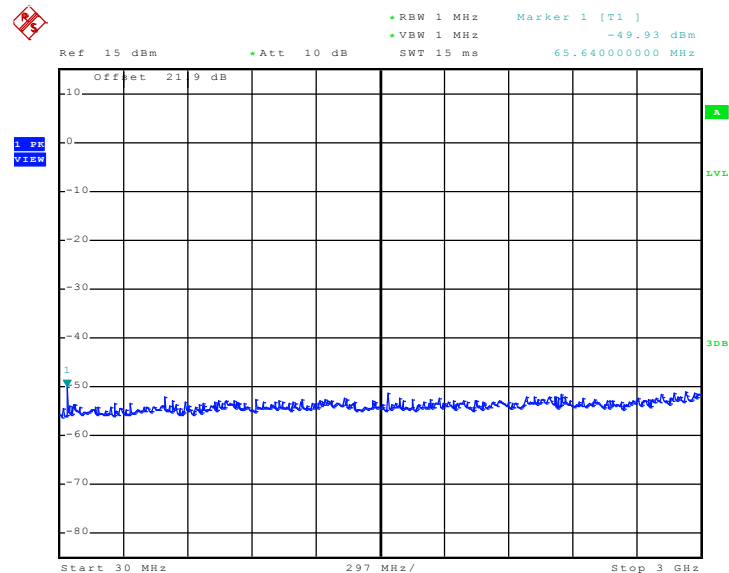
Date: 10.DEC.2010 17:29:48

**Mode 11 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


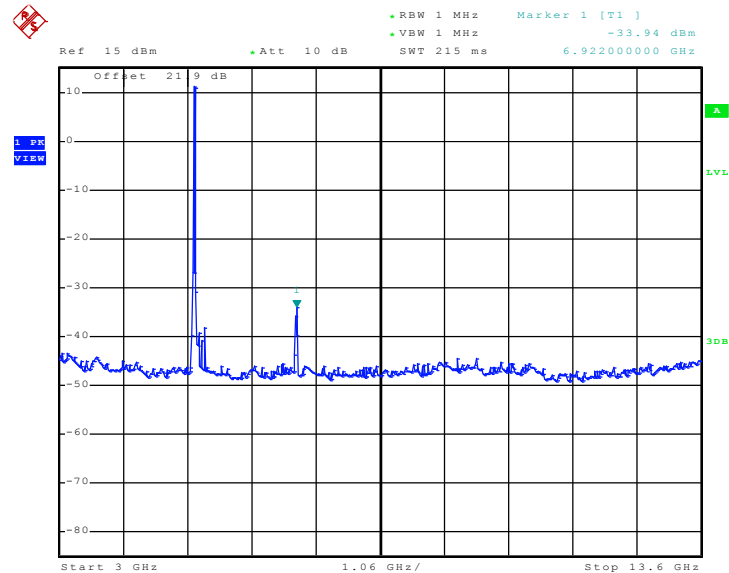
Date: 10.DEC.2010 17:30:00

**Mode 11 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


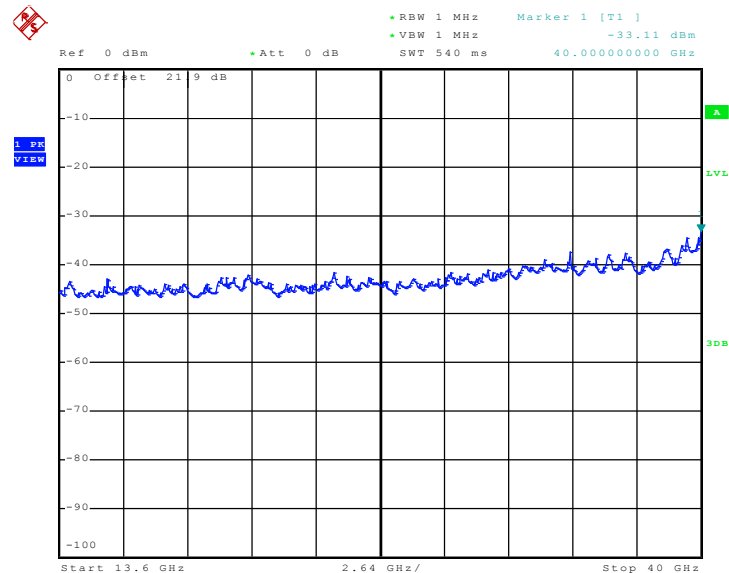
Date: 10.DEC.2010 17:30:12

**Mode 12 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


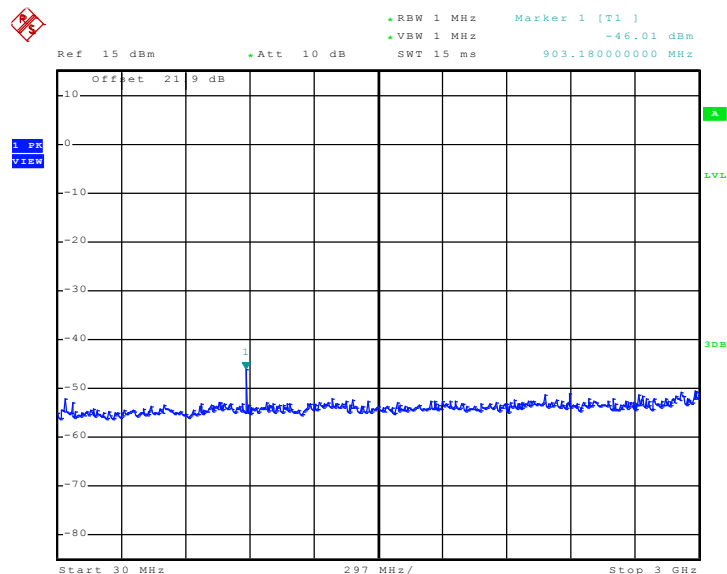
Date: 10.DEC.2010 17:30:41

**Mode 12 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


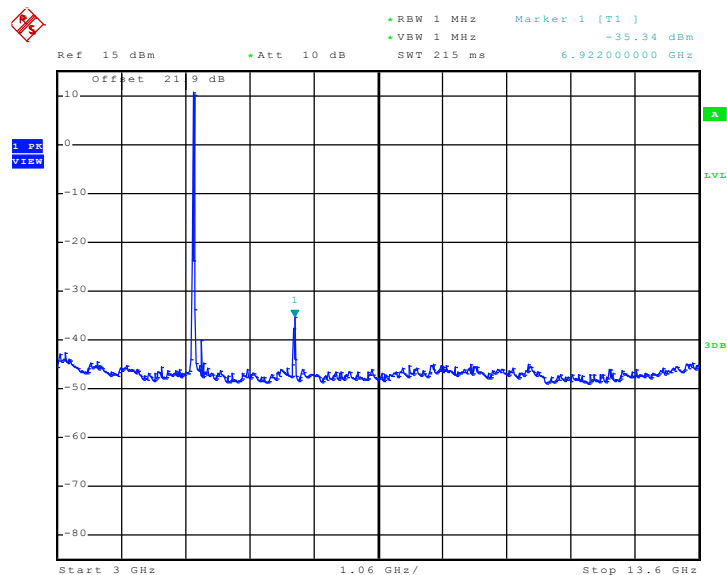
Date: 10.DEC.2010 17:30:53

**Mode 12 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:31:05

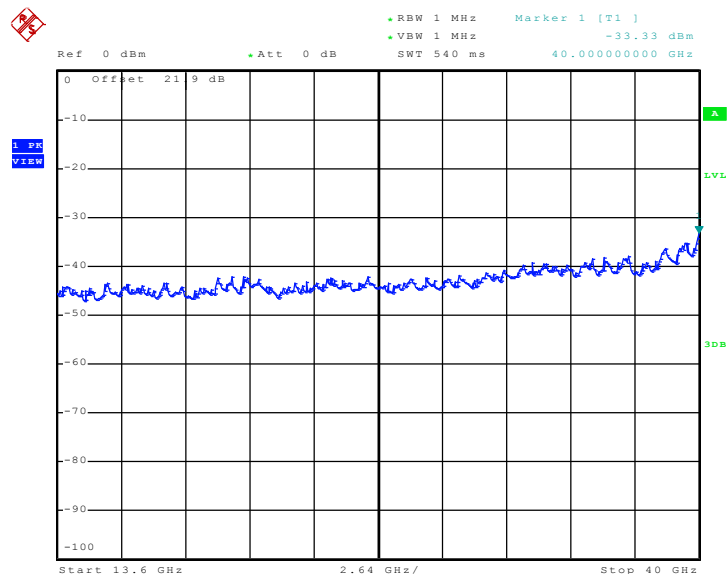
**Mode 13 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:38:47

**Mode 13 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


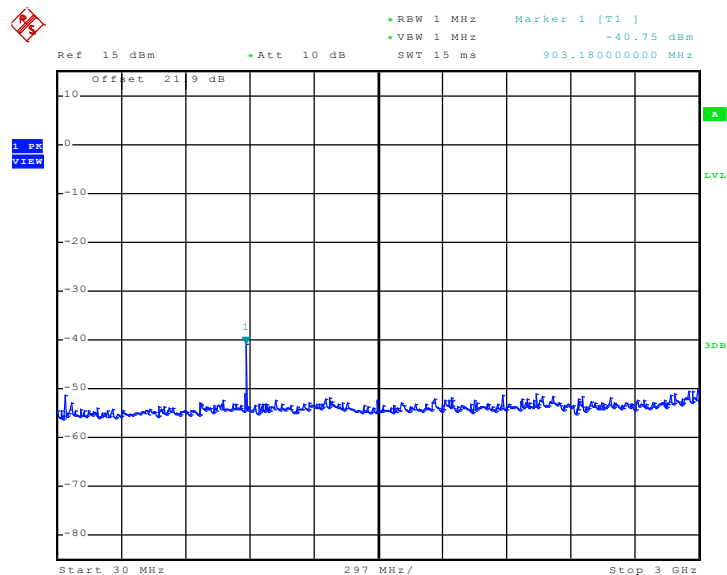
Date: 10.DEC.2010 17:38:59

Mode 13 : Conducted Spurious Emission Plot between 802.11n 13.6 GHz ~ 40 GHz

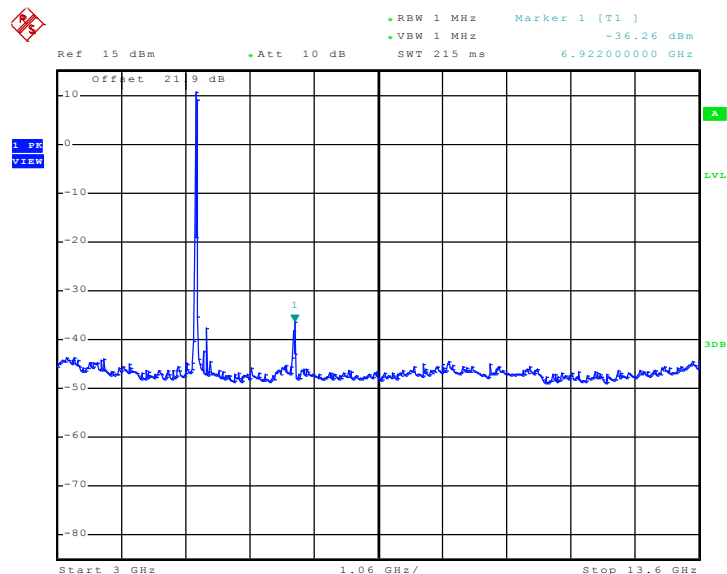


Date: 10.DEC.2010 17:39:11

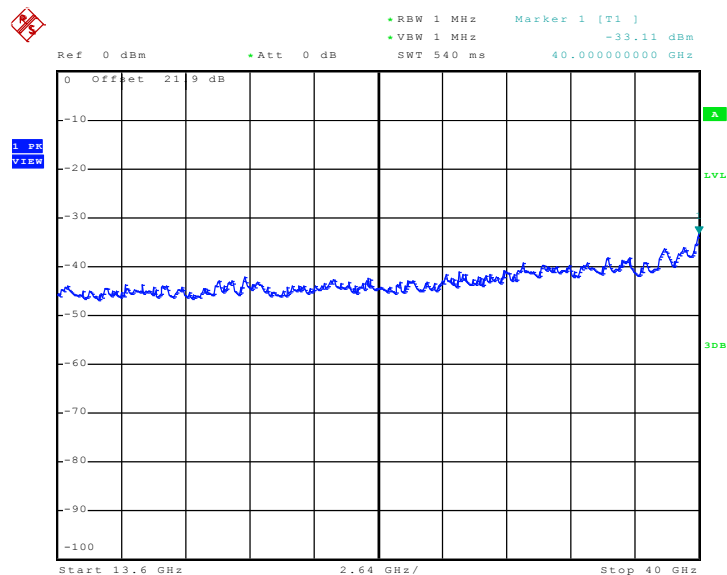
Mode 14 : Conducted Spurious Emission Plot between 802.11n 30 MHz ~ 3 GHz



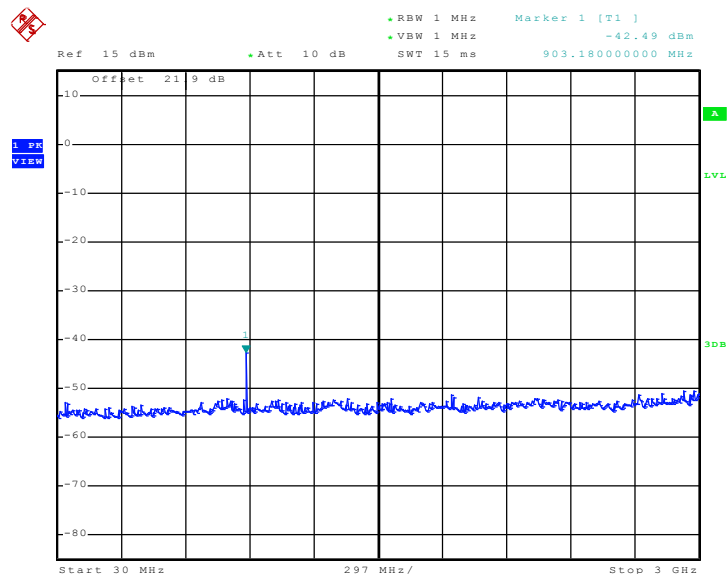
Date: 10.DEC.2010 17:40:16

**Mode 14 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


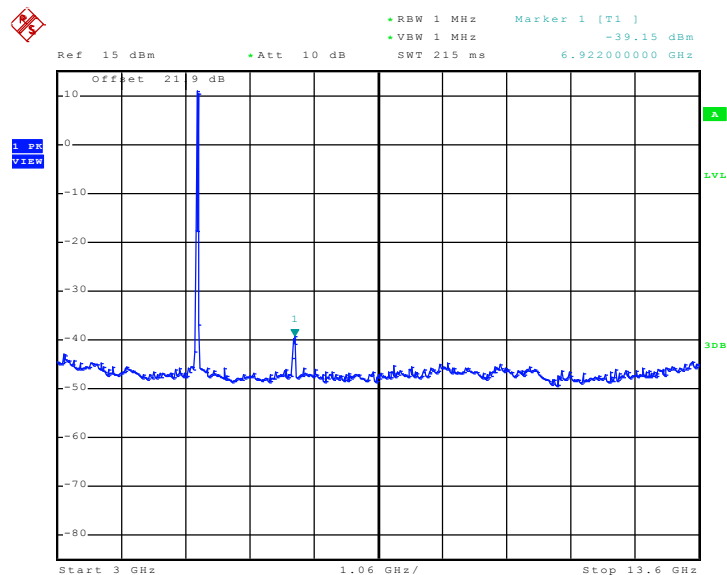
Date: 10.DEC.2010 17:40:28

**Mode 14 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:40:40

**Mode 15 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


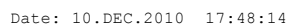
Date: 10.DEC.2010 17:41:03

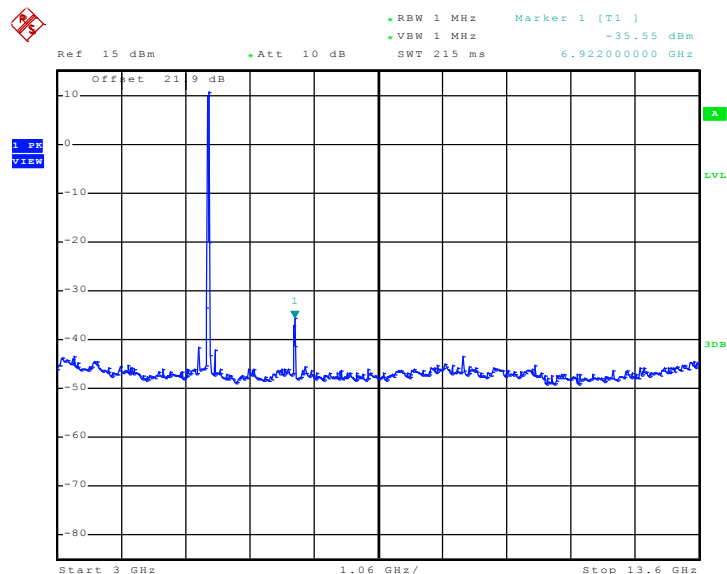
**Mode 15 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


Date: 10.DEC.2010 17:41:15

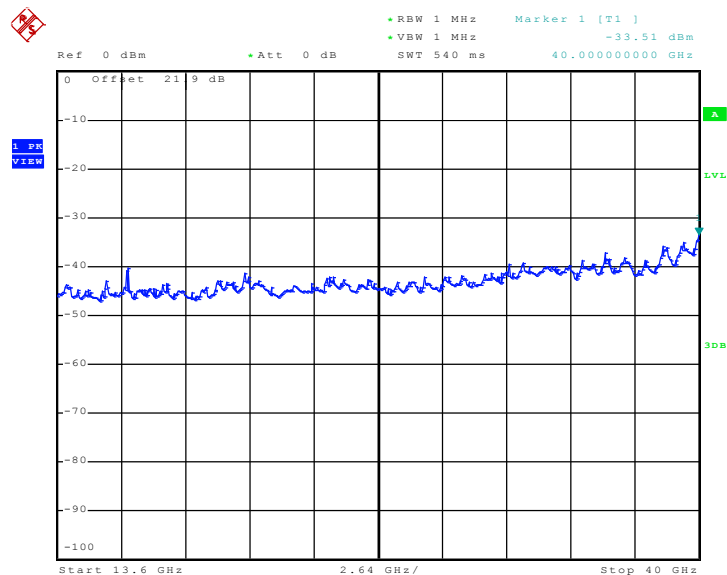


Mode 16 : Conducted Spurious Emission Plot between 802.11n 30 MHz ~ 3 GHz

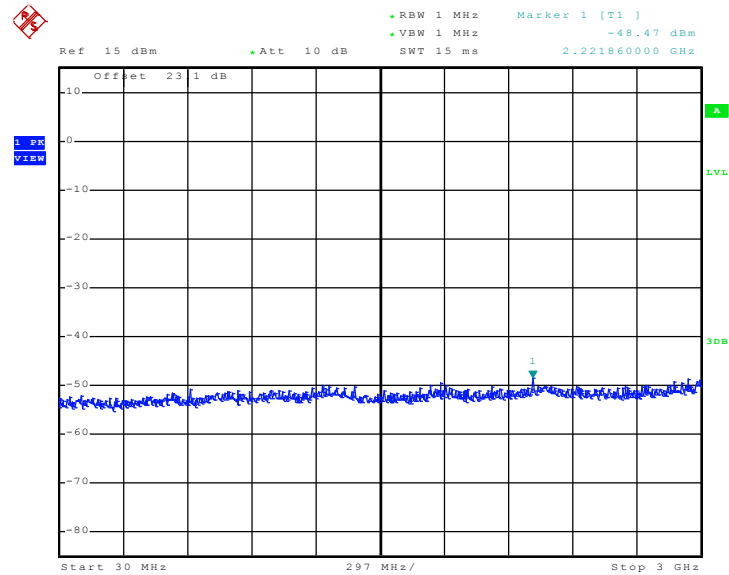


**Mode 16 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


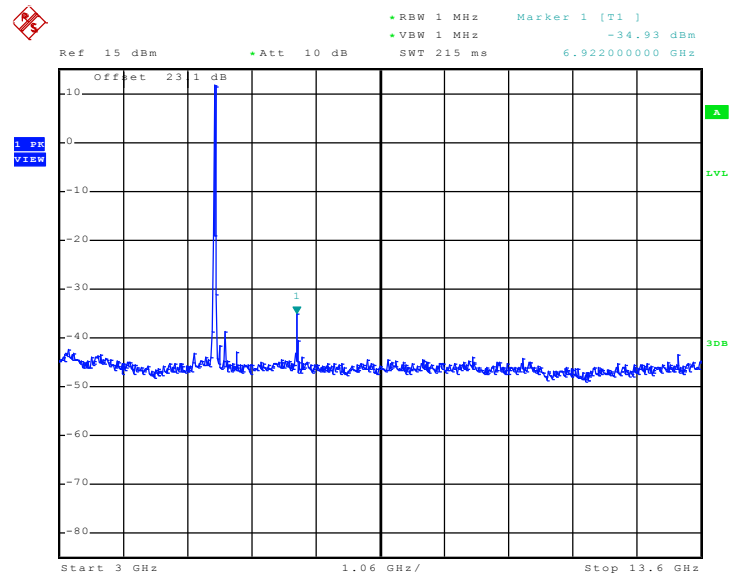
Date: 10.DEC.2010 17:48:26

**Mode 16 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


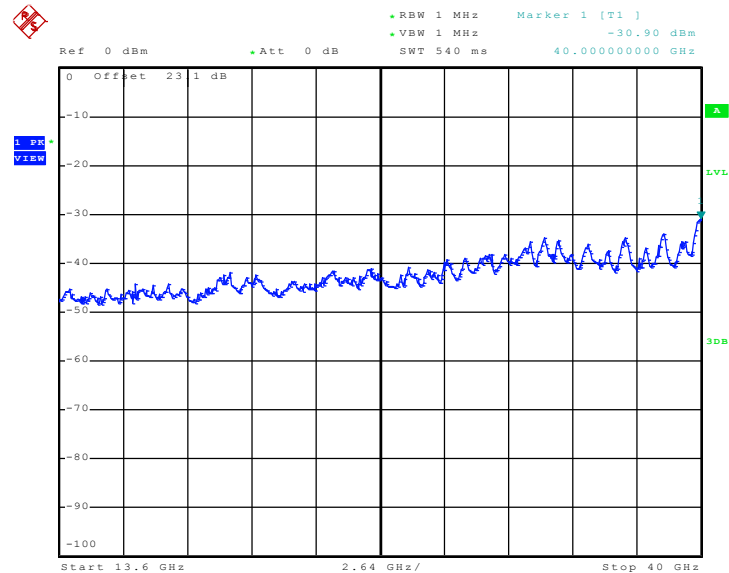
Date: 10.DEC.2010 17:48:38

**Mode 17 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


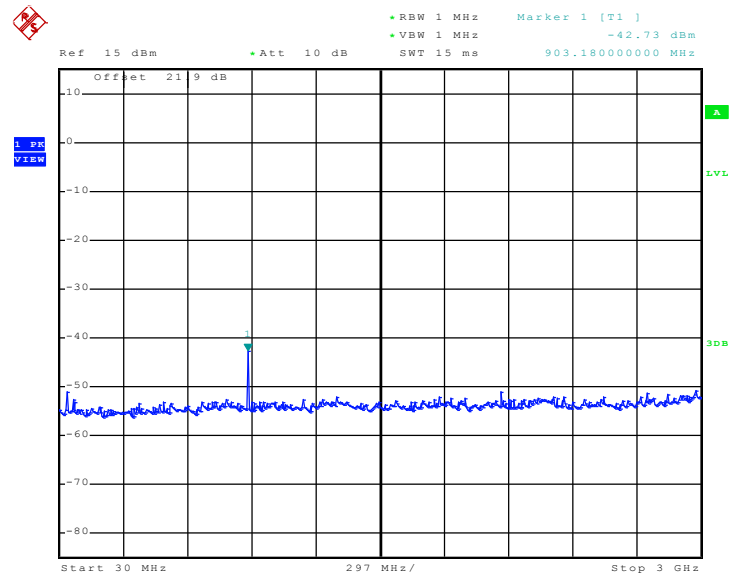
Date: 10.FEB.2011 01:04:45

**Mode 17 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


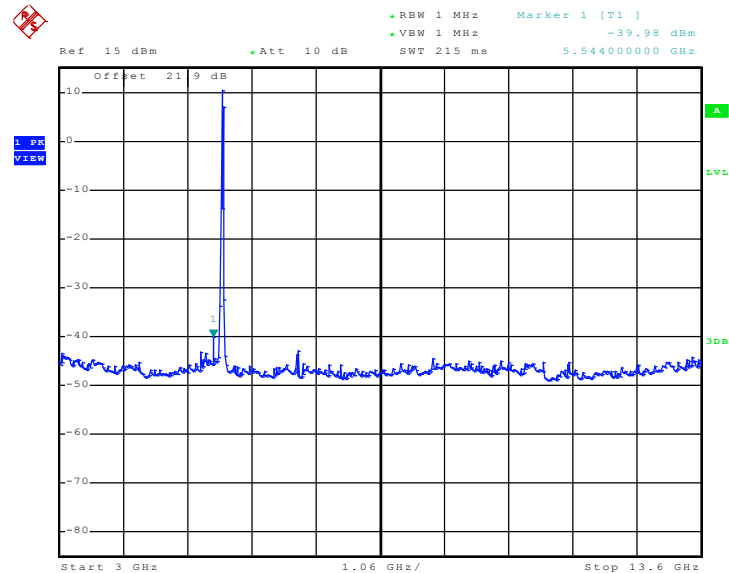
Date: 10.FEB.2011 01:03:34

**Mode 17 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


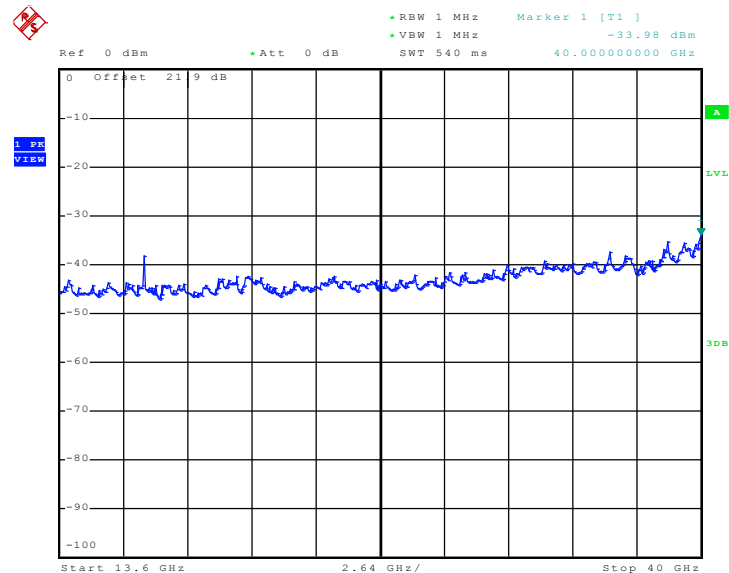
Date: 10.FEB.2011 01:02:04

**Mode 18 : Conducted Spurious Emission Plot between
802.11n 30 MHz ~ 3 GHz**


Date: 10.DEC.2010 17:43:21

**Mode 18 : Conducted Spurious Emission Plot between
802.11n 3 GHz ~ 13.6 GHz**


Date: 10.DEC.2010 17:43:33

**Mode 18 : Conducted Spurious Emission Plot between
802.11n 13.6 GHz ~ 40 GHz**


Date: 10.DEC.2010 17:43:45

3.6 AC Conducted Emission Measurement

3.6.1 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.

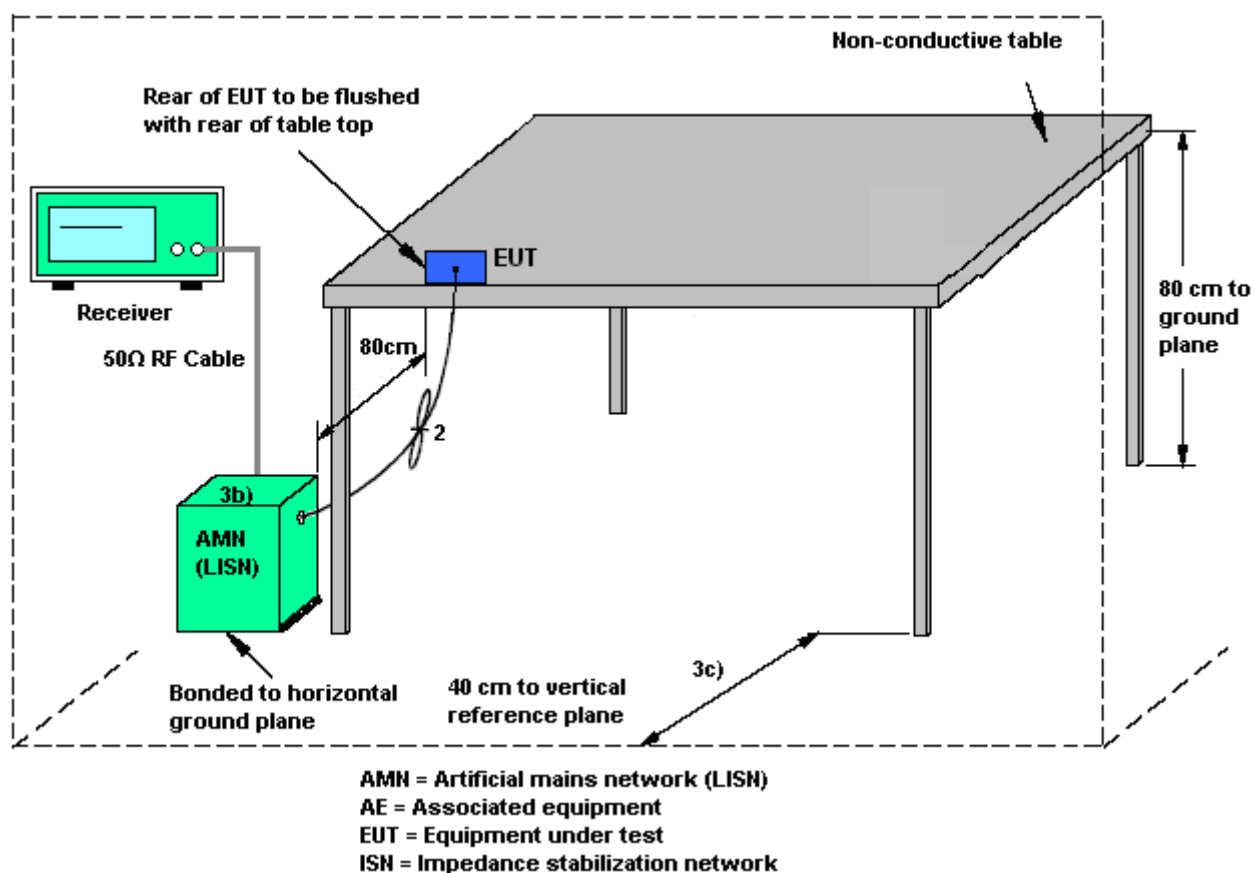
3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

3.6.3 Test Procedures

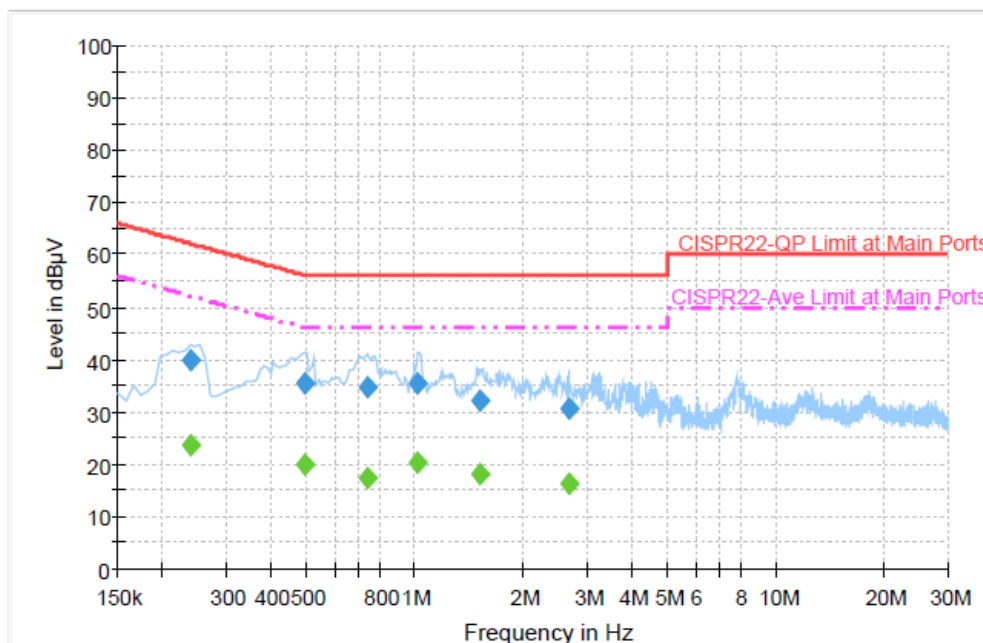
1. Please follow the guidelines in ANSI C63.4-2003.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All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

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Cona Huang	Relative Humidity :	30~32%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Link + WLAN (5G) Link + GPS Rx + Scanner + Cradle + Adapter + RS232 Terminal + USB Cable (Link with Notebook)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



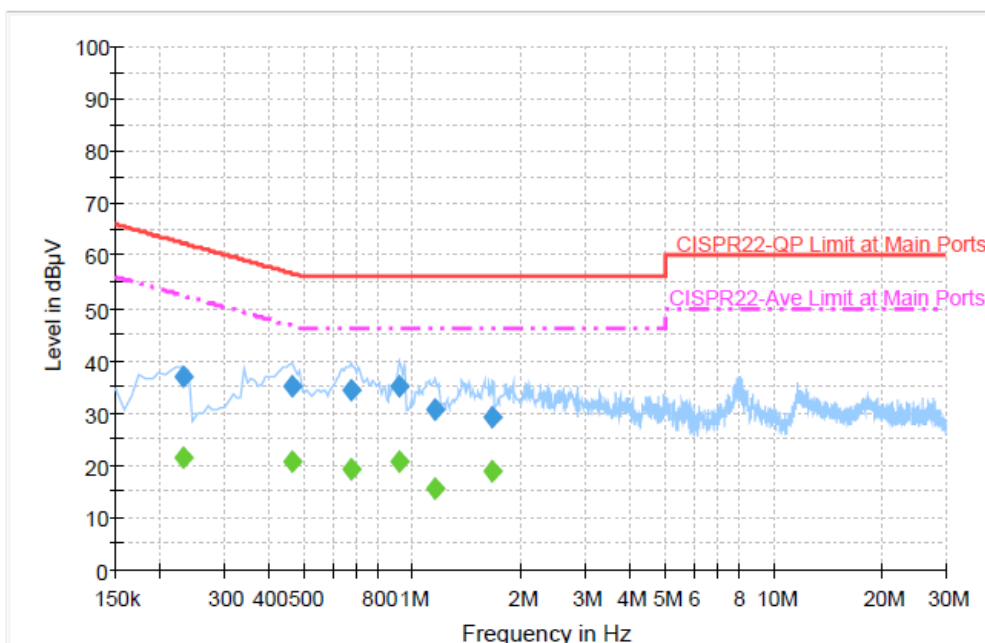
Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.238000	39.9	Off	L1	19.4	22.3	62.2
0.494000	35.5	Off	L1	19.3	20.6	56.1
0.742000	34.8	Off	L1	19.4	21.2	56.0
1.022000	35.6	Off	L1	19.4	20.4	56.0
1.518000	32.1	Off	L1	19.4	23.9	56.0
2.686000	30.7	Off	L1	19.5	25.3	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.238000	23.8	Off	L1	19.4	28.4	52.2
0.494000	19.9	Off	L1	19.3	26.2	46.1
0.742000	17.3	Off	L1	19.4	28.7	46.0
1.022000	20.2	Off	L1	19.4	25.8	46.0
1.518000	18.0	Off	L1	19.4	28.0	46.0
2.686000	16.2	Off	L1	19.5	29.8	46.0

Test Mode :	Mode 1	Temperature :	20~22°C
Test Engineer :	Cona Huang	Relative Humidity :	30~32%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Link + WLAN (5G) Link + GPS Rx + Scanner + Cradle + Adapter + RS232 Terminal + USB Cable (Link with Notebook)		
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)
0.230000	36.8	Off	N	19.4	25.6	62.4
0.462000	35.1	Off	N	19.3	21.6	56.7
0.678000	34.3	Off	N	19.5	21.7	56.0
0.918000	35.2	Off	N	19.4	20.8	56.0
1.158000	30.8	Off	N	19.4	25.2	56.0
1.662000	29.2	Off	N	19.5	26.8	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.230000	21.5	Off	N	19.4	30.9	52.4
0.462000	20.6	Off	N	19.3	26.1	46.7
0.678000	19.2	Off	N	19.5	26.8	46.0
0.918000	20.7	Off	N	19.4	25.3	46.0
1.158000	15.6	Off	N	19.4	30.4	46.0
1.662000	18.7	Off	N	19.5	27.3	46.0

3.7 Radiated Emission Measurement

3.7.1 Limit of Radiated Emission

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

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

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. Devices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all applicable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of –27 dBm/MHz in the 5.15–5.25 GHz band.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (4) The provisions of Section 15.205 Restricted bands of operation of this part apply to intentional radiators operating under this section.

3.7.2 Measuring Instruments

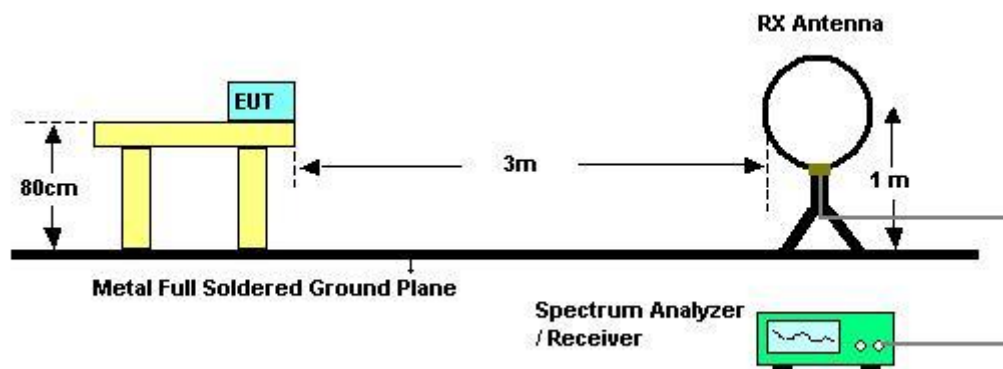
See list of measuring instruments of this test report.

3.7.3 Test Procedures

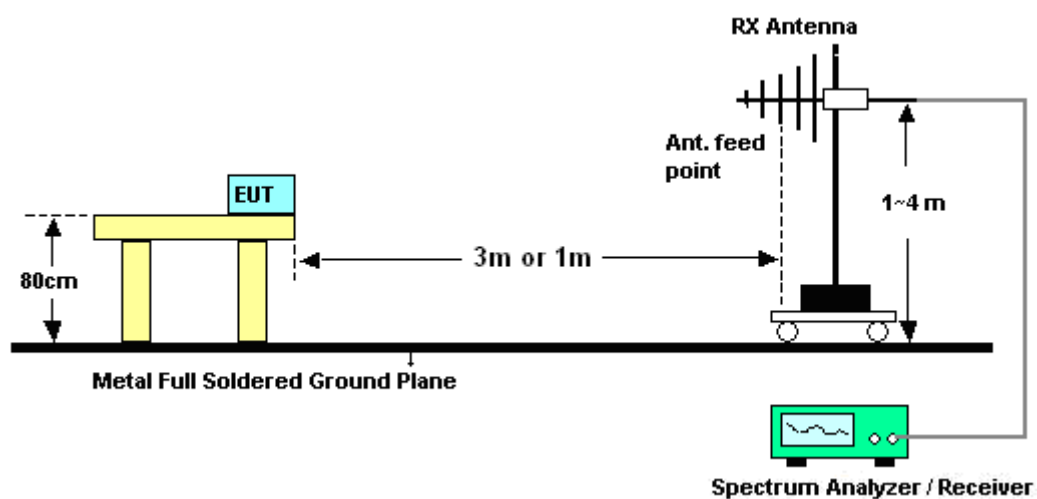
1. The testing follows the guidelines in FCC Public Notice DA 02-2138, (Measurement Guidelines of UNII)
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest radiation.
5. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
6. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
7. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
8. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
9. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

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)

Temperature	23~24°C	Humidity	48~50%
Test Engineer	Ivan Jiang		

Freq. (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 = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

3.7.6 Test Result of Radiated Emission (30MHz ~ 10th harmonic)

Test Mode :	Mode 1	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5180 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
32.70	18.80	-21.20	40.00	33.91	15.80	0.56	31.47	-	-	Peak
177.69	25.74	-17.76	43.50	46.77	9.26	1.24	31.53	-	-	Peak
288.93	30.69	-15.31	46.00	47.03	13.29	1.69	31.32	-	-	Peak
332.20	31.65	-14.35	46.00	46.62	14.48	1.86	31.31	126	311	Peak
478.50	28.08	-17.92	46.00	38.91	17.86	2.37	31.06	-	-	Peak
811.70	28.55	-17.45	46.00	33.46	22.61	3.17	30.69	-	-	Peak
5150.00	44.04	-9.96	54.00	34.03	34.25	9.41	33.65	105	312	Average
5150.00	61.89	-12.11	74.00	51.88	34.25	9.41	33.65	105	312	Peak
5180.00	109.45	-	-	99.32	34.28	9.45	33.60	105	312	Peak
5180.00	99.10	-	-	88.97	34.28	9.45	33.60	105	312	Average
5350.00	39.84	-14.16	54.00	28.91	34.45	9.74	33.26	105	312	Average
5350.00	51.19	-22.81	74.00	40.26	34.45	9.74	33.26	105	312	Peak



Test Mode :	Mode 1	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5180 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
31.89	26.53	-13.47	40.00	41.40	16.04	0.55	31.46	100	87	Peak
115.86	24.50	-19.00	43.50	43.78	11.20	1.08	31.56	-	-	Peak
182.01	22.99	-20.51	43.50	44.21	9.05	1.26	31.53	-	-	Peak
402.20	24.76	-21.24	46.00	37.18	16.61	2.15	31.18	-	-	Peak
609.40	25.89	-20.11	46.00	34.21	19.87	2.72	30.91	-	-	Peak
996.50	31.76	-22.24	54.00	33.99	24.84	3.51	30.58	-	-	Peak
5150.00	44.04	-9.96	54.00	34.03	34.25	9.41	33.65	177	159	Average
5150.00	61.14	-12.86	74.00	51.13	34.25	9.41	33.65	177	159	Peak
5180.00	108.06	-	-	97.93	34.28	9.45	33.60	177	159	Peak
5180.00	98.75	-	-	88.62	34.28	9.45	33.60	177	159	Average
5350.00	39.23	-14.77	54.00	28.30	34.45	9.74	33.26	177	159	Average
5350.00	50.33	-23.67	74.00	39.40	34.45	9.74	33.26	177	159	Peak



Test Mode :	Mode 2	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5220 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
30.81	20.01	-19.99	40.00	34.66	16.27	0.54	31.46	-	-	Peak
148.26	21.43	-22.07	43.50	40.59	11.19	1.21	31.56	-	-	Peak
248.97	29.68	-16.32	46.00	46.96	12.60	1.53	31.41	-	-	Peak
349.70	32.03	-13.97	46.00	46.31	15.03	1.97	31.28	121	325	Peak
475.70	27.25	-18.75	46.00	38.13	17.81	2.37	31.06	-	-	Peak
858.60	29.01	-16.99	46.00	33.30	23.15	3.28	30.72	-	-	Peak
5150.00	50.88	-23.12	74.00	40.87	34.25	9.41	33.65	100	221	Peak
5150.00	39.19	-14.81	54.00	29.18	34.25	9.41	33.65	100	221	Average
5220.00	108.60	-	-	98.25	34.32	9.53	33.50	100	221	Peak
5220.00	98.50	-	-	88.15	34.32	9.53	33.50	100	221	Average
5350.00	51.33	-22.67	74.00	40.40	34.45	9.74	33.26	100	221	Peak
5350.00	40.23	-13.77	54.00	29.30	34.45	9.74	33.26	100	221	Average



Test Mode :	Mode 2	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5220 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
31.62	25.67	-14.33	40.00	40.54	16.04	0.55	31.46	105	96	Peak
150.69	27.21	-16.29	43.50	46.46	11.10	1.21	31.56	-	-	Peak
272.73	25.25	-20.75	46.00	41.94	13.03	1.64	31.36	-	-	Peak
346.90	25.82	-20.18	46.00	40.23	14.93	1.95	31.29	-	-	Peak
575.80	27.23	-18.77	46.00	36.16	19.40	2.62	30.95	-	-	Peak
766.20	28.07	-17.93	46.00	33.74	21.93	3.09	30.69	-	-	Peak
5150.00	51.85	-22.15	74.00	41.84	34.25	9.41	33.65	103	108	Peak
5150.00	39.55	-14.45	54.00	29.54	34.25	9.41	33.65	103	108	Average
5220.00	110.00	-	-	99.65	34.32	9.53	33.50	103	108	Peak
5220.00	100.79	-	-	90.44	34.32	9.53	33.50	103	108	Average
5350.00	50.77	-23.23	74.00	39.84	34.45	9.74	33.26	103	108	Peak
5350.00	39.48	-14.52	54.00	28.55	34.45	9.74	33.26	103	108	Average



Test Mode :	Mode 3	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5240 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
32.97	18.81	-21.19	40.00	33.92	15.80	0.56	31.47	-	-	Peak
176.34	24.33	-19.17	43.50	45.29	9.33	1.24	31.53	-	-	Peak
276.78	31.07	-14.93	46.00	47.70	13.09	1.64	31.36	-	-	Peak
330.10	33.24	-12.76	46.00	48.31	14.39	1.85	31.31	115	241	Peak
478.50	29.05	-16.95	46.00	39.88	17.86	2.37	31.06	-	-	Peak
811.70	27.20	-18.80	46.00	32.11	22.61	3.17	30.69	-	-	Peak
5150.00	52.31	-21.69	74.00	42.30	34.25	9.41	33.65	100	215	Peak
5150.00	38.93	-15.07	54.00	28.92	34.25	9.41	33.65	100	215	Average
5240.00	108.25	-	-	97.80	34.33	9.57	33.45	100	215	Peak
5240.00	98.93	-	-	88.48	34.33	9.57	33.45	100	215	Average
5350.00	50.55	-23.45	74.00	39.62	34.45	9.74	33.26	100	215	Peak
5350.00	40.31	-13.69	54.00	29.38	34.45	9.74	33.26	100	215	Average



Test Mode :	Mode 3	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5240 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
31.89	25.34	-14.66	40.00	40.21	16.04	0.55	31.46	111	142	Peak
118.29	25.07	-18.43	43.50	44.18	11.36	1.09	31.56	-	-	Peak
178.77	27.25	-16.25	43.50	48.35	9.18	1.25	31.53	-	-	Peak
349.00	26.55	-19.45	46.00	40.88	14.99	1.97	31.29	-	-	Peak
596.10	30.96	-15.04	46.00	39.49	19.71	2.68	30.92	-	-	Peak
763.40	28.70	-17.30	46.00	34.42	21.89	3.08	30.69	-	-	Peak
5150.00	51.44	-22.56	74.00	41.43	34.25	9.41	33.65	102	37	Peak
5150.00	39.30	-14.70	54.00	29.29	34.25	9.41	33.65	102	37	Average
5240.00	109.43	-	-	98.98	34.33	9.57	33.45	102	37	Peak
5240.00	99.52	-	-	89.07	34.33	9.57	33.45	102	37	Average
5350.00	39.92	-14.08	54.00	28.99	34.45	9.74	33.26	102	37	Average
5350.00	52.01	-21.99	74.00	41.08	34.45	9.74	33.26	102	37	Peak



Test Mode :	Mode 4	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5260 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
44.58	20.79	-19.21	40.00	40.97	10.67	0.65	31.50	-	-	Peak
149.61	21.35	-22.15	43.50	40.55	11.15	1.21	31.56	-	-	Peak
285.69	32.62	-13.38	46.00	49.04	13.24	1.67	31.33	145	278	Peak
349.70	32.37	-13.63	46.00	46.65	15.03	1.97	31.28	-	-	Peak
478.50	29.02	-16.98	46.00	39.85	17.86	2.37	31.06	-	-	Peak
769.00	27.45	-18.55	46.00	33.07	21.98	3.09	30.69	-	-	Peak
5150.00	50.80	-23.20	74.00	40.79	34.25	9.41	33.65	100	266	Peak
5150.00	39.02	-14.98	54.00	29.01	34.25	9.41	33.65	100	266	Average
5260.00	110.01	-	-	99.43	34.37	9.62	33.41	100	266	Peak
5260.00	99.95	-	-	89.37	34.37	9.62	33.41	100	266	Average
5350.00	52.60	-21.40	74.00	41.67	34.45	9.74	33.26	100	266	Peak
5350.00	40.95	-13.05	54.00	30.02	34.45	9.74	33.26	100	266	Average



Test Mode :	Mode 4	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5260 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
30.81	26.17	-13.83	40.00	40.82	16.27	0.54	31.46	100	128	Peak
118.29	25.46	-18.04	43.50	44.57	11.36	1.09	31.56	-	-	Peak
263.82	26.07	-19.93	46.00	42.97	12.89	1.61	31.40	-	-	Peak
402.90	25.09	-20.91	46.00	37.51	16.61	2.15	31.18	-	-	Peak
598.90	27.65	-18.35	46.00	36.15	19.74	2.68	30.92	-	-	Peak
766.90	29.55	-16.45	46.00	35.20	21.95	3.09	30.69	-	-	Peak
5150.00	49.72	-24.28	74.00	39.71	34.25	9.41	33.65	114	0	Peak
5150.00	38.37	-15.63	54.00	28.36	34.25	9.41	33.65	114	0	Average
5260.00	110.86	-	-	100.28	34.37	9.62	33.41	114	0	Peak
5260.00	100.66	-	-	90.08	34.37	9.62	33.41	114	0	Average
5350.00	51.32	-22.68	74.00	40.39	34.45	9.74	33.26	114	0	Peak
5350.00	39.26	-14.74	54.00	28.33	34.45	9.74	33.26	114	0	Average



Test Mode :	Mode 5	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5300 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
30.81	19.47	-20.53	40.00	34.12	16.27	0.54	31.46	-	-	Peak
178.50	23.42	-20.08	43.50	44.52	9.18	1.25	31.53	-	-	Peak
276.78	32.31	-13.69	46.00	48.94	13.09	1.64	31.36	-	-	Peak
332.20	33.51	-12.49	46.00	48.48	14.48	1.86	31.31	132	189	Peak
666.10	27.67	-18.33	46.00	35.14	20.51	2.87	30.85	-	-	Peak
995.80	33.71	-20.29	54.00	35.94	24.84	3.51	30.58	-	-	Peak
5150.00	50.86	-23.14	74.00	40.85	34.25	9.41	33.65	100	273	Peak
5150.00	38.56	-15.44	54.00	28.55	34.25	9.41	33.65	100	273	Average
5300.00	111.04	-	-	100.34	34.40	9.66	33.36	100	273	Peak
5300.00	101.71	-	-	91.01	34.40	9.66	33.36	100	273	Average
5350.00	53.07	-20.93	74.00	42.14	34.45	9.74	33.26	100	273	Peak
5350.00	42.01	-11.99	54.00	31.08	34.45	9.74	33.26	100	273	Average



Test Mode :	Mode 5	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5300 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
31.62	25.85	-14.15	40.00	40.72	16.04	0.55	31.46	109	326	Peak
143.94	27.78	-15.72	43.50	46.71	11.42	1.20	31.55	-	-	Peak
235.74	24.78	-21.22	46.00	43.06	11.64	1.51	31.43	-	-	Peak
400.10	24.16	-21.84	46.00	36.62	16.58	2.14	31.18	-	-	Peak
575.80	26.80	-19.20	46.00	35.73	19.40	2.62	30.95	-	-	Peak
802.60	27.69	-18.31	46.00	32.73	22.49	3.15	30.68	-	-	Peak
5150.00	49.68	-24.32	74.00	39.67	34.25	9.41	33.65	113	37	Peak
5150.00	38.75	-15.25	54.00	28.74	34.25	9.41	33.65	113	37	Average
5300.00	110.72	-	-	100.02	34.40	9.66	33.36	113	37	Peak
5300.00	100.60	-	-	89.90	34.40	9.66	33.36	113	37	Average
5350.00	53.53	-20.47	74.00	42.60	34.45	9.74	33.26	113	37	Peak
5350.00	41.33	-12.67	54.00	30.40	34.45	9.74	33.26	113	37	Average

Test Mode :	Mode 6	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5320 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
32.97	19.26	-20.74	40.00	34.37	15.80	0.56	31.47	-	-	Peak
178.50	25.62	-17.88	43.50	46.72	9.18	1.25	31.53	-	-	Peak
287.85	31.31	-14.69	46.00	47.69	13.27	1.68	31.33	-	-	Peak
332.20	32.36	-13.64	46.00	47.33	14.48	1.86	31.31	125	146	Peak
478.50	28.86	-17.14	46.00	39.69	17.86	2.37	31.06	-	-	Peak
901.30	27.72	-18.28	46.00	31.44	23.64	3.34	30.70	-	-	Peak
5150.00	38.48	-15.52	54.00	28.47	34.25	9.41	33.65	100	268	Average
5150.00	50.89	-23.11	74.00	40.88	34.25	9.41	33.65	100	268	Peak
5320.00	99.83	-	-	89.02	34.42	9.70	33.31	100	268	Average
5320.00	109.73	-	-	98.92	34.42	9.70	33.31	100	268	Peak
5350.00	63.72	-10.28	74.00	52.79	34.45	9.74	33.26	100	268	Peak
5350.00	45.81	-8.19	54.00	34.88	34.45	9.74	33.26	100	268	Average



Test Mode :	Mode 6	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5320 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
31.62	26.30	-13.70	40.00	41.17	16.04	0.55	31.46	100	288	Peak
143.94	27.87	-15.63	43.50	46.80	11.42	1.20	31.55	-	-	Peak
235.74	27.42	-18.58	46.00	45.70	11.64	1.51	31.43	-	-	Peak
349.70	25.11	-20.89	46.00	39.39	15.03	1.97	31.28	-	-	Peak
475.70	30.55	-15.45	46.00	41.43	17.81	2.37	31.06	-	-	Peak
764.10	28.44	-17.56	46.00	34.15	21.90	3.08	30.69	-	-	Peak
5150.00	38.39	-15.61	54.00	28.38	34.25	9.41	33.65	112	38	Average
5150.00	51.09	-22.91	74.00	41.08	34.25	9.41	33.65	112	38	Peak
5320.00	99.10	-	-	88.29	34.42	9.70	33.31	112	38	Average
5320.00	109.51	-	-	98.70	34.42	9.70	33.31	112	38	Peak
5350.00	61.26	-12.74	74.00	50.33	34.45	9.74	33.26	112	38	Peak
5350.00	44.33	-9.67	54.00	33.40	34.45	9.74	33.26	112	38	Average



Test Mode :	Mode 7	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5500 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
30.54	19.95	-20.05	40.00	34.60	16.27	0.54	31.46	-	-	Peak
177.69	25.05	-18.45	43.50	46.08	9.26	1.24	31.53	-	-	Peak
276.78	31.93	-14.07	46.00	48.56	13.09	1.64	31.36	-	-	Peak
346.90	32.80	-13.20	46.00	47.21	14.93	1.95	31.29	121	78	Peak
478.50	28.06	-17.94	46.00	38.89	17.86	2.37	31.06	-	-	Peak
811.00	28.00	-18.00	46.00	32.93	22.59	3.17	30.69	-	-	Peak
5470.00	45.02	-23.28	68.30	33.52	34.57	9.94	33.01	100	251	Average
5470.00	60.08	-28.22	88.30	48.58	34.57	9.94	33.01	100	251	Peak
5500.00	109.00	-	-	97.29	34.60	10.02	32.91	100	251	Peak
5500.00	98.79	-	-	87.08	34.60	10.02	32.91	100	251	Average
5725.00	40.01	-28.29	68.30	28.45	34.82	9.92	33.18	100	251	Average
5725.00	52.21	-36.09	88.30	40.65	34.82	9.92	33.18	100	251	Peak



Test Mode :	Mode 7	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5500 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
34.05	28.71	-11.29	40.00	44.04	15.57	0.57	31.47	110	356	Peak
143.94	27.37	-16.13	43.50	46.30	11.42	1.20	31.55	-	-	Peak
267.33	25.19	-20.81	46.00	41.99	12.95	1.63	31.38	-	-	Peak
346.90	24.53	-21.47	46.00	38.94	14.93	1.95	31.29	-	-	Peak
666.10	29.00	-17.00	46.00	36.47	20.51	2.87	30.85	-	-	Peak
769.00	29.19	-16.81	46.00	34.81	21.98	3.09	30.69	-	-	Peak
5470.00	44.51	-23.79	68.30	33.01	34.57	9.94	33.01	100	50	Average
5470.00	59.47	-28.83	88.30	47.97	34.57	9.94	33.01	100	50	Peak
5500.00	109.34	-	-	97.63	34.60	10.02	32.91	100	50	Peak
5500.00	98.79	-	-	87.08	34.60	10.02	32.91	100	50	Average
5725.00	39.77	-28.53	68.30	28.21	34.82	9.92	33.18	100	50	Average
5725.00	51.50	-36.80	88.30	39.94	34.82	9.92	33.18	100	50	Peak



Test Mode :	Mode 8	Temperature :	23~24°C
Test Channel :	116	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5580 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
33.78	19.21	-20.79	40.00	34.54	15.57	0.57	31.47	-	-	Peak
177.42	24.79	-18.71	43.50	45.82	9.26	1.24	31.53	-	-	Peak
285.69	32.31	-13.69	46.00	48.73	13.24	1.67	31.33	-	-	Peak
332.20	32.40	-13.6	46.00	47.37	14.48	1.86	31.31	123	245	Peak
478.50	29.19	-16.81	46.00	40.02	17.86	2.37	31.06	-	-	Peak
903.40	29.36	-16.64	46.00	33.03	23.67	3.35	30.69	-	-	Peak
5470.00	51.38	-36.92	88.30	39.88	34.57	9.94	33.01	165	269	Peak
5470.00	40.04	-28.26	68.30	28.54	34.57	9.94	33.01	165	269	Average
5580.00	109.56	-	-	97.90	34.67	9.99	33.00	165	269	Peak
5580.00	98.61	-	-	86.95	34.67	9.99	33.00	165	269	Average
5725.00	54.55	-33.75	88.30	42.99	34.82	9.92	33.18	165	269	Peak
5725.00	40.95	-27.35	68.30	29.39	34.82	9.92	33.18	165	269	Average



Test Mode :	Mode 8	Temperature :	23~24°C
Test Channel :	116	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5580 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
31.62	25.48	-14.52	40.00	40.35	16.04	0.55	31.46	105	45	Peak
143.94	26.98	-16.52	43.50	45.91	11.42	1.20	31.55	-	-	Peak
272.46	26.85	-19.15	46.00	43.54	13.03	1.64	31.36	-	-	Peak
346.90	24.72	-21.28	46.00	39.13	14.93	1.95	31.29	-	-	Peak
576.50	27.68	-18.32	46.00	36.61	19.40	2.62	30.95	-	-	Peak
761.30	28.51	-17.49	46.00	34.27	21.86	3.08	30.70	-	-	Peak
5470.00	51.03	-37.27	88.30	39.53	34.57	9.94	33.01	101	354	Peak
5470.00	39.85	-28.45	68.30	28.35	34.57	9.94	33.01	101	354	Average
5580.00	108.70	-	-	97.04	34.67	9.99	33.00	101	354	Peak
5580.00	97.94	-	-	86.28	34.67	9.99	33.00	101	354	Average
5725.00	52.26	-36.04	88.30	40.70	34.82	9.92	33.18	101	354	Peak
5725.00	40.18	-28.12	68.30	28.62	34.82	9.92	33.18	101	354	Average



Test Mode :	Mode 9	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5700 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
30.81	19.27	-20.73	40.00	33.92	16.27	0.54	31.46	-	-	Peak
178.77	25.29	-18.21	43.50	46.39	9.18	1.25	31.53	-	-	Peak
287.85	32.08	-13.92	46.00	48.46	13.27	1.68	31.33	-	-	Peak
349.70	32.31	-13.69	46.00	46.59	15.03	1.97	31.28	114	109	Peak
475.70	28.96	-17.04	46.00	39.84	17.81	2.37	31.06	-	-	Peak
813.80	27.60	-18.40	46.00	32.48	22.63	3.18	30.69	-	-	Peak
5470.00	40.80	-27.50	68.30	29.30	34.57	9.94	33.01	100	271	Average
5470.00	52.35	-35.95	88.30	40.85	34.57	9.94	33.01	100	271	Peak
5700.00	100.72	-	-	89.15	34.79	9.93	33.15	100	271	Average
5700.00	110.96	-	-	99.39	34.79	9.93	33.15	100	271	Peak
5725.00	49.57	-18.73	68.30	38.01	34.82	9.92	33.18	100	271	Average
5725.00	66.24	-22.06	88.30	54.68	34.82	9.92	33.18	100	271	Peak



Test Mode :	Mode 9	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5700 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
30.81	26.08	-13.92	40.00	40.73	16.27	0.54	31.46	100	41	Peak
142.86	27.61	-15.89	43.50	46.50	11.46	1.20	31.55	-	-	Peak
276.78	24.39	-21.61	46.00	41.02	13.09	1.64	31.36	-	-	Peak
346.90	24.75	-21.25	46.00	39.16	14.93	1.95	31.29	-	-	Peak
666.10	28.68	-17.32	46.00	36.15	20.51	2.87	30.85	-	-	Peak
995.80	31.94	-22.06	54.00	34.17	24.84	3.51	30.58	-	-	Peak
5470.00	39.73	-28.57	68.30	28.23	34.57	9.94	33.01	100	7	Average
5470.00	52.07	-36.23	88.30	40.57	34.57	9.94	33.01	100	7	Peak
5700.00	100.66	-	-	89.09	34.79	9.93	33.15	100	7	Average
5700.00	111.10	-	-	99.53	34.79	9.93	33.15	100	7	Peak
5725.00	48.84	-19.46	68.30	37.28	34.82	9.92	33.18	100	7	Average
5725.00	65.08	-23.22	88.30	53.52	34.82	9.92	33.18	100	7	Peak



Test Mode :	Mode 10	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5180 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
31.62	19.22	-20.78	40.00	34.09	16.04	0.55	31.46	-	-	Peak
179.58	25.60	-17.90	43.50	46.77	9.11	1.25	31.53	-	-	Peak
287.58	32.21	-13.79	46.00	48.59	13.27	1.68	31.33	-	-	Peak
346.90	32.97	-13.03	46.00	47.38	14.93	1.95	31.29	115	267	Peak
478.50	29.73	-16.27	46.00	40.56	17.86	2.37	31.06	-	-	Peak
666.10	28.72	-17.28	46.00	36.19	20.51	2.87	30.85	-	-	Peak
5150.00	42.94	-11.06	54.00	32.93	34.25	9.41	33.65	100	108	Average
5150.00	62.93	-11.07	74.00	52.92	34.25	9.41	33.65	100	108	Peak
5180.00	109.29	-	-	99.16	34.28	9.45	33.60	100	108	Peak
5180.00	98.63	-	-	88.50	34.28	9.45	33.60	100	108	Average
5350.00	39.50	-14.50	54.00	28.57	34.45	9.74	33.26	100	108	Average
5350.00	51.39	-22.61	74.00	40.46	34.45	9.74	33.26	100	108	Peak



Test Mode :	Mode 10	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5180 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
31.89	30.08	-9.92	40.00	44.95	16.04	0.55	31.46	102	78	Peak
77.25	23.79	-16.21	40.00	47.48	6.97	0.87	31.53	-	-	Peak
142.86	27.39	-16.11	43.50	46.28	11.46	1.20	31.55	-	-	Peak
349.00	24.78	-21.22	46.00	39.11	14.99	1.97	31.29	-	-	Peak
596.10	29.62	-16.38	46.00	38.15	19.71	2.68	30.92	-	-	Peak
766.90	28.34	-17.66	46.00	33.99	21.95	3.09	30.69	-	-	Peak
5150.00	45.00	-9.00	54.00	34.99	34.25	9.41	33.65	125	29	Average
5150.00	62.06	-11.94	74.00	52.05	34.25	9.41	33.65	125	29	Peak
5180.00	111.45	-	-	101.32	34.28	9.45	33.60	125	29	Peak
5180.00	100.83	-	-	90.70	34.28	9.45	33.60	125	29	Average
5350.00	39.41	-14.59	54.00	28.48	34.45	9.74	33.26	125	29	Average
5350.00	52.01	-21.99	74.00	41.08	34.45	9.74	33.26	125	29	Peak



Test Mode :	Mode 11	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5220 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
31.62	19.33	-20.67	40.00	34.20	16.04	0.55	31.46	-	-	Peak
177.69	25.80	-17.70	43.50	46.83	9.26	1.24	31.53	-	-	Peak
276.78	31.14	-14.86	46.00	47.77	13.09	1.64	31.36	-	-	Peak
330.10	32.51	-13.49	46.00	47.58	14.39	1.85	31.31	136	189	Peak
477.80	30.10	-15.90	46.00	40.93	17.86	2.37	31.06	-	-	Peak
816.60	28.74	-17.26	46.00	33.60	22.66	3.18	30.70	-	-	Peak
5150.00	51.32	-22.68	74.00	41.31	34.25	9.41	33.65	100	266	Peak
5150.00	39.06	-14.94	54.00	29.05	34.25	9.41	33.65	100	266	Average
5220.00	110.75	-	-	100.40	34.32	9.53	33.50	100	266	Peak
5220.00	99.96	-	-	89.61	34.32	9.53	33.50	100	266	Average
5350.00	52.94	-21.06	74.00	42.01	34.45	9.74	33.26	100	266	Peak
5350.00	40.51	-13.49	54.00	29.58	34.45	9.74	33.26	100	266	Average



Test Mode :	Mode 11	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5220 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
31.62	26.02	-13.98	40.00	40.89	16.04	0.55	31.46	121	68	Peak
177.69	23.11	-20.39	43.50	44.14	9.26	1.24	31.53	-	-	Peak
277.05	25.58	-20.42	46.00	42.20	13.10	1.64	31.36	-	-	Peak
335.70	26.71	-19.29	46.00	41.57	14.57	1.87	31.30	-	-	Peak
663.30	28.79	-17.21	46.00	36.30	20.48	2.87	30.86	-	-	Peak
839.00	30.65	-15.35	46.00	35.21	22.92	3.24	30.72	-	-	Peak
5150.00	51.97	-22.03	74.00	41.96	34.25	9.41	33.65	100	28	Peak
5150.00	39.42	-14.58	54.00	29.41	34.25	9.41	33.65	100	28	Average
5220.00	111.26	-	-	100.91	34.32	9.53	33.50	100	28	Peak
5220.00	100.99	-	-	90.64	34.32	9.53	33.50	100	28	Average
5350.00	51.51	-22.49	74.00	40.58	34.45	9.74	33.26	100	28	Peak
5350.00	39.73	-14.27	54.00	28.80	34.45	9.74	33.26	100	28	Average



Test Mode :	Mode 12	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5240 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
30.81	20.56	-19.44	40.00	35.21	16.27	0.54	31.46	-	-	Peak
216.30	25.25	-20.75	46.00	45.04	10.27	1.40	31.46	-	-	Peak
292.98	32.02	-13.98	46.00	48.28	13.35	1.71	31.32	-	-	Peak
330.10	32.73	-13.27	46.00	47.80	14.39	1.85	31.31	146	307	Peak
477.80	28.29	-17.71	46.00	39.12	17.86	2.37	31.06	-	-	Peak
813.80	28.29	-17.71	46.00	33.17	22.63	3.18	30.69	-	-	Peak
5150.00	50.47	-23.53	74.00	40.46	34.25	9.41	33.65	100	266	Peak
5150.00	38.86	-15.14	54.00	28.85	34.25	9.41	33.65	100	266	Average
5240.00	111.17	-	-	100.72	34.33	9.57	33.45	100	266	Peak
5240.00	100.51	-	-	90.06	34.33	9.57	33.45	100	266	Average
5350.00	52.15	-21.85	74.00	41.22	34.45	9.74	33.26	100	266	Peak
5350.00	40.52	-13.48	54.00	29.59	34.45	9.74	33.26	100	266	Average



Test Mode :	Mode 12	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5240 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
31.62	30.96	-9.04	40.00	45.83	16.04	0.55	31.46	102	115	Peak
78.06	24.07	-15.93	40.00	47.68	7.05	0.87	31.53	-	-	Peak
187.41	23.04	-20.46	43.50	44.23	9.06	1.27	31.52	-	-	Peak
326.60	29.24	-16.76	46.00	44.41	14.30	1.84	31.31	-	-	Peak
478.50	30.57	-15.43	46.00	41.40	17.86	2.37	31.06	-	-	Peak
766.20	29.49	-16.51	46.00	35.16	21.93	3.09	30.69	-	-	Peak
5150.00	49.86	-24.14	74.00	39.85	34.25	9.41	33.65	100	29	Peak
5150.00	38.97	-15.03	54.00	28.96	34.25	9.41	33.65	100	29	Average
5240.00	111.28	-	-	100.83	34.33	9.57	33.45	100	29	Peak
5240.00	101.09	-	-	90.64	34.33	9.57	33.45	100	29	Average
5350.00	51.17	-22.83	74.00	40.24	34.45	9.74	33.26	100	29	Peak
5350.00	39.83	-14.17	54.00	28.90	34.45	9.74	33.26	100	29	Average



Test Mode :	Mode 13	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5260 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
30.81	19.83	-20.17	40.00	34.48	16.27	0.54	31.46	-	-	Peak
149.34	23.72	-19.78	43.50	42.92	11.15	1.21	31.56	-	-	Peak
286.77	32.30	-13.70	46.00	48.69	13.26	1.68	31.33	-	-	Peak
349.70	34.03	-11.97	46.00	48.31	15.03	1.97	31.28	145	88	Peak
477.80	28.64	-17.36	46.00	39.47	17.86	2.37	31.06	-	-	Peak
1000.00	38.66	-15.34	54.00	40.84	24.89	3.51	30.58	-	-	Peak
5150.00	50.40	-23.60	74.00	40.39	34.25	9.41	33.65	100	263	Peak
5150.00	38.66	-15.34	54.00	28.65	34.25	9.41	33.65	100	263	Average
5260.00	110.92	-	-	100.34	34.37	9.62	33.41	100	263	Peak
5260.00	100.42	-	-	89.84	34.37	9.62	33.41	100	263	Average
5350.00	52.47	-21.53	74.00	41.54	34.45	9.74	33.26	100	263	Peak
5350.00	40.99	-13.01	54.00	30.06	34.45	9.74	33.26	100	263	Average



Test Mode :	Mode 13	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5260 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
37.02	28.28	-11.72	40.00	44.79	14.38	0.60	31.49	123	191	Peak
78.06	23.59	-16.41	40.00	47.20	7.05	0.87	31.53	-	-	Peak
171.21	25.83	-17.67	43.50	46.47	9.65	1.23	31.52	-	-	Peak
346.20	24.09	-21.91	46.00	38.54	14.90	1.94	31.29	-	-	Peak
573.70	27.87	-18.13	46.00	36.83	19.37	2.62	30.95	-	-	Peak
1000.00	32.33	-21.67	54.00	34.51	24.89	3.51	30.58	-	-	Peak
5150.00	50.18	-23.82	74.00	40.17	34.25	9.41	33.65	113	37	Peak
5150.00	38.85	-15.15	54.00	28.84	34.25	9.41	33.65	113	37	Average
5260.00	111.88	-	-	101.30	34.37	9.62	33.41	113	37	Peak
5260.00	101.40	-	-	90.82	34.37	9.62	33.41	113	37	Average
5350.00	52.35	-21.65	74.00	41.42	34.45	9.74	33.26	113	37	Peak
5350.00	40.28	-13.72	54.00	29.35	34.45	9.74	33.26	113	37	Average



Test Mode :	Mode 14	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5300 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
31.89	19.10	-20.90	40.00	33.97	16.04	0.55	31.46	-	-	Peak
178.77	26.14	-17.36	43.50	47.24	9.18	1.25	31.53	-	-	Peak
276.51	30.32	-15.68	46.00	46.95	13.09	1.64	31.36	-	-	Peak
346.90	33.58	-12.42	46.00	47.99	14.93	1.95	31.29	122	154	Peak
478.50	28.53	-17.47	46.00	39.36	17.86	2.37	31.06	-	-	Peak
862.10	27.93	-18.07	46.00	32.17	23.19	3.29	30.72	-	-	Peak
5150.00	50.52	-23.48	74.00	40.51	34.25	9.41	33.65	100	261	Peak
5150.00	38.53	-15.47	54.00	28.52	34.25	9.41	33.65	100	261	Average
5300.00	111.53	-	-	100.83	34.40	9.66	33.36	100	261	Peak
5300.00	101.17	-	-	90.47	34.40	9.66	33.36	100	261	Average
5350.00	54.37	-19.63	74.00	43.44	34.45	9.74	33.26	100	261	Peak
5350.00	42.45	-11.55	54.00	31.52	34.45	9.74	33.26	100	261	Average



Test Mode :	Mode 14	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5300 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
30.81	31.53	-8.47	40.00	46.18	16.27	0.54	31.46	100	360	Peak
143.94	27.57	-15.93	43.50	46.50	11.42	1.20	31.55	-	-	Peak
236.82	24.78	-21.22	46.00	42.99	11.71	1.51	31.43	-	-	Peak
324.50	27.47	-18.53	46.00	42.72	14.24	1.83	31.32	-	-	Peak
598.90	28.31	-17.69	46.00	36.81	19.74	2.68	30.92	-	-	Peak
769.70	28.62	-17.38	46.00	34.23	21.99	3.09	30.69	-	-	Peak
5150.00	49.92	-24.08	74.00	39.91	34.25	9.41	33.65	100	39	Peak
5150.00	38.63	-15.37	54.00	28.62	34.25	9.41	33.65	100	39	Average
5300.00	111.36	-	-	100.66	34.40	9.66	33.36	100	39	Peak
5300.00	100.83	-	-	90.13	34.40	9.66	33.36	100	39	Average
5350.00	52.87	-21.13	74.00	41.94	34.45	9.74	33.26	100	39	Peak
5350.00	41.93	-12.07	54.00	31.00	34.45	9.74	33.26	100	39	Average



Test Mode :	Mode 15	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5320 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
31.62	18.60	-21.40	40.00	33.47	16.04	0.55	31.46	-	-	Peak
178.77	24.79	-18.71	43.50	45.89	9.18	1.25	31.53	-	-	Peak
276.78	31.92	-14.08	46.00	48.55	13.09	1.64	31.36	-	-	Peak
349.70	33.15	-12.85	46.00	47.43	15.03	1.97	31.28	115	142	Peak
480.60	27.61	-18.39	46.00	38.38	17.91	2.38	31.06	-	-	Peak
996.50	37.37	-16.63	54.00	39.60	24.84	3.51	30.58	-	-	Peak
5150.00	38.45	-15.55	54.00	28.44	34.25	9.41	33.65	100	261	Average
5150.00	51.69	-22.31	74.00	41.68	34.25	9.41	33.65	100	261	Peak
5320.00	100.82	-	-	90.01	34.42	9.70	33.31	100	261	Average
5320.00	111.35	-	-	100.54	34.42	9.70	33.31	100	261	Peak
5350.00	46.48	-7.52	54.00	35.55	34.45	9.74	33.26	100	261	Average
5350.00	64.59	-9.41	74.00	53.66	34.45	9.74	33.26	100	261	Peak



Test Mode :	Mode 15	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5320 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
35.13	31.34	-8.66	40.00	46.90	15.33	0.58	31.47	121	145	Peak
119.10	25.76	-17.74	43.50	44.77	11.45	1.10	31.56	-	-	Peak
191.46	23.66	-19.84	43.50	44.82	9.07	1.28	31.51	-	-	Peak
349.70	24.88	-21.12	46.00	39.16	15.03	1.97	31.28	-	-	Peak
598.90	29.34	-16.66	46.00	37.84	19.74	2.68	30.92	-	-	Peak
769.00	28.64	-17.36	46.00	34.26	21.98	3.09	30.69	-	-	Peak
5150.00	50.47	-23.53	74.00	40.46	34.25	9.41	33.65	112	39	Peak
5150.00	38.39	-15.61	54.00	28.38	34.25	9.41	33.65	112	39	Average
5320.00	111.03	-	-	100.22	34.42	9.70	33.31	112	39	Peak
5320.00	100.59	-	-	89.78	34.42	9.70	33.31	112	39	Average
5350.00	46.38	-7.62	54.00	35.45	34.45	9.74	33.26	112	39	Average
5350.00	63.61	-10.39	74.00	52.68	34.45	9.74	33.26	112	39	Peak



Test Mode :	Mode 16	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5500 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
30.81	23.89	-16.11	40.00	38.54	16.27	0.54	31.46	-	-	Peak
149.34	22.49	-21.01	43.50	41.69	11.15	1.21	31.56	-	-	Peak
275.70	35.62	-10.38	46.00	52.27	13.07	1.64	31.36	-	-	Peak
301.40	36.77	-9.23	46.00	52.81	13.52	1.77	31.33	120	88	Peak
475.70	29.88	-16.12	46.00	40.76	17.81	2.37	31.06	-	-	Peak
841.80	27.65	-18.35	46.00	32.17	22.95	3.25	30.72	-	-	Peak
5470.00	45.34	-22.96	68.30	33.84	34.57	9.94	33.01	100	251	Average
5470.00	64.47	-23.83	88.30	52.97	34.57	9.94	33.01	100	251	Peak
5500.00	109.75	-	-	98.04	34.60	10.02	32.91	100	251	Peak
5500.00	98.68	-	-	86.97	34.60	10.02	32.91	100	251	Average
5725.00	40.04	-28.26	68.30	28.48	34.82	9.92	33.18	100	251	Average
5725.00	52.44	-35.86	88.30	40.88	34.82	9.92	33.18	100	251	Peak



Test Mode :	Mode 16	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5500 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
31.62	25.45	-14.55	40.00	40.32	16.04	0.55	31.46	109	184	Peak
118.29	23.86	-19.64	43.50	42.97	11.36	1.09	31.56	-	-	Peak
190.65	25.03	-18.47	43.50	46.19	9.07	1.28	31.51	-	-	Peak
346.90	24.76	-21.24	46.00	39.17	14.93	1.95	31.29	-	-	Peak
575.80	26.56	-19.44	46.00	35.49	19.40	2.62	30.95	-	-	Peak
769.00	28.08	-17.92	46.00	33.70	21.98	3.09	30.69	-	-	Peak
5470.00	44.56	-23.74	68.30	33.06	34.57	9.94	33.01	100	47	Average
5470.00	61.08	-27.22	88.30	49.58	34.57	9.94	33.01	100	47	Peak
5500.00	108.79	-	-	97.08	34.60	10.02	32.91	100	47	Peak
5500.00	98.44	-	-	86.73	34.60	10.02	32.91	100	47	Average
5725.00	39.75	-28.55	68.30	28.19	34.82	9.92	33.18	100	47	Average
5725.00	51.36	-36.94	88.30	39.80	34.82	9.92	33.18	100	47	Peak



Test Mode :	Mode 17	Temperature :	23~24°C
Test Channel :	116	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5580 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
31.62	24.28	-15.72	40.00	39.15	16.04	0.55	31.46	-	-	Peak
177.69	24.71	-18.79	43.50	45.74	9.26	1.24	31.53	-	-	Peak
227.10	32.97	-13.03	46.00	51.94	11.02	1.46	31.45	136	315	Peak
349.00	32.91	-13.09	46.00	47.24	14.99	1.97	31.29	-	-	Peak
663.30	29.68	-16.32	46.00	37.19	20.48	2.87	30.86	-	-	Peak
995.80	33.72	-20.28	54.00	35.95	24.84	3.51	30.58	-	-	Peak
5470.00	51.47	-36.83	88.30	39.97	34.57	9.94	33.01	171	261	Peak
5470.00	39.52	-28.78	68.30	28.02	34.57	9.94	33.01	171	261	Average
5580.00	108.08	-	-	96.42	34.67	9.99	33.00	171	261	Peak
5580.00	97.82	-	-	86.16	34.67	9.99	33.00	171	261	Average
5725.00	51.99	-36.31	88.30	40.43	34.82	9.92	33.18	171	261	Peak
5725.00	38.64	-29.66	68.30	27.08	34.82	9.92	33.18	171	261	Average



Test Mode :	Mode 17	Temperature :	23~24°C
Test Channel :	116	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5580 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
31.62	26.18	-13.82	40.00	41.05	16.04	0.55	31.46	110	72	Peak
143.94	27.30	-16.20	43.50	46.23	11.42	1.20	31.55	-	-	Peak
237.90	28.60	-17.40	46.00	46.72	11.78	1.52	31.42	-	-	Peak
311.90	25.67	-20.33	46.00	41.35	13.85	1.79	31.32	-	-	Peak
598.20	27.54	-18.46	46.00	36.04	19.74	2.68	30.92	-	-	Peak
766.90	29.29	-16.71	46.00	34.94	21.95	3.09	30.69	-	-	Peak
5470.00	50.67	-37.63	88.30	39.17	34.57	9.94	33.01	100	352	Peak
5470.00	41.38	-26.92	68.30	29.88	34.57	9.94	33.01	100	352	Average
5580.00	107.82	-	-	96.16	34.67	9.99	33.00	100	352	Peak
5580.00	96.58	-	-	84.92	34.67	9.99	33.00	100	352	Average
5725.00	51.05	-37.25	88.30	39.49	34.82	9.92	33.18	100	352	Peak
5725.00	39.74	-28.56	68.30	28.18	34.82	9.92	33.18	100	352	Average



Test Mode :	Mode 18	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Horizontal
Remark :	5700 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
32.70	18.93	-21.07	40.00	34.04	15.80	0.56	31.47	-	-	Peak
178.50	24.98	-18.52	43.50	46.08	9.18	1.25	31.53	-	-	Peak
276.78	32.59	-13.41	46.00	49.22	13.09	1.64	31.36	-	-	Peak
349.70	33.15	-12.85	46.00	47.43	15.03	1.97	31.28	105	324	Peak
480.60	28.77	-17.23	46.00	39.54	17.91	2.38	31.06	-	-	Peak
836.90	27.80	-18.20	46.00	32.38	22.90	3.24	30.72	-	-	Peak
5470.00	40.59	-27.71	68.30	29.09	34.57	9.94	33.01	100	271	Average
5470.00	52.02	-36.28	88.30	40.52	34.57	9.94	33.01	100	271	Peak
5700.00	100.63	-	-	89.06	34.79	9.93	33.15	100	271	Average
5700.00	110.81	-	-	99.24	34.79	9.93	33.15	100	271	Peak
5725.00	50.75	-17.55	68.30	39.19	34.82	9.92	33.18	100	271	Average
5725.00	70.18	-18.12	88.30	58.62	34.82	9.92	33.18	100	271	Peak



Test Mode :	Mode 18	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Ivan Jiang	Polarization :	Vertical
Remark :	5700 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
35.13	32.12	-7.88	40.00	47.68	15.33	0.58	31.47	132	281	Peak
78.06	25.15	-14.85	40.00	48.76	7.05	0.87	31.53	-	-	Peak
182.01	23.58	-19.92	43.50	44.80	9.05	1.26	31.53	-	-	Peak
377.00	23.11	-22.89	46.00	36.39	15.87	2.09	31.24	-	-	Peak
596.10	27.39	-18.61	46.00	35.92	19.71	2.68	30.92	-	-	Peak
766.20	28.63	-17.37	46.00	34.30	21.93	3.09	30.69	-	-	Peak
5470.00	39.72	-28.58	68.30	28.22	34.57	9.94	33.01	100	6	Average
5470.00	51.67	-36.63	88.30	40.17	34.57	9.94	33.01	100	6	Peak
5700.00	101.50	-	-	89.93	34.79	9.93	33.15	100	6	Average
5700.00	111.59	-	-	100.02	34.79	9.93	33.15	100	6	Peak
5725.00	51.33	-16.97	68.30	39.77	34.82	9.92	33.18	100	6	Average
5725.00	69.09	-19.21	88.30	57.53	34.82	9.92	33.18	100	6	Peak

3.8 Peak Excursion Ratio Measurement

3.8.1 Limit of Peak Excursion Ratio

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

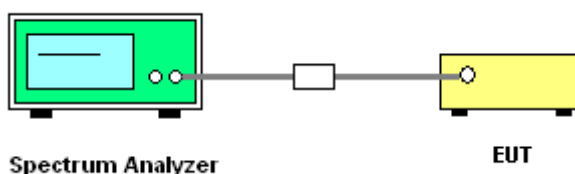
3.8.2 Measuring Instruments

See list of measuring instruments of this test report.

3.8.3 Test Procedures

1. The transmitter output is connected to the spectrum analyzer.
2. The resolution bandwidth and video bandwidth are set as below,
Trace A: RBW=1 MHz, VBW=3 MHz
Trace B: RBW=1 MHz, VBW=300 kHz
3. Trace A is set peak detector and to Max Hold, then to View. Then the detector is readjusted to sample detector, max hold to run for 60 seconds, and the signal under this measurement condition is captured in Trace B in Accordance with the method 3 of DA-02-2138.
4. The difference between the traces is investigated. The marker is placed at the frequency, which shows the largest difference. The amplitude delta between the traces at this frequency is the peak excursion.

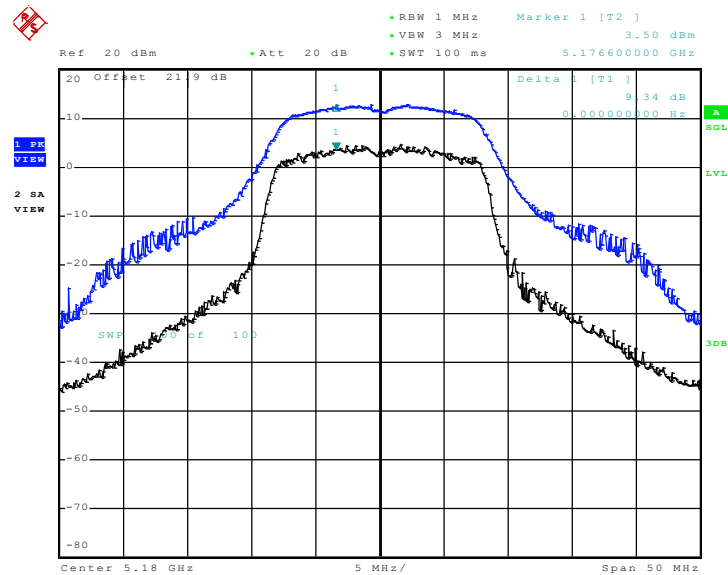
3.8.4 Test Setup



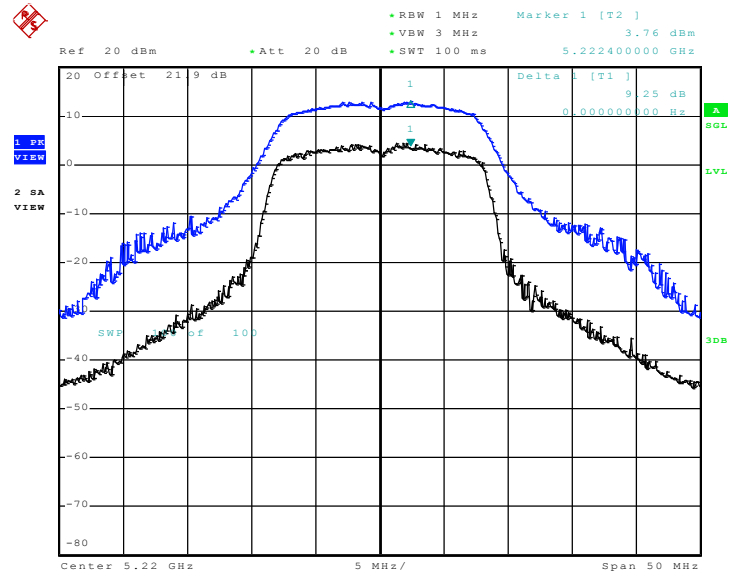
3.8.5 Test Result of Peak Excursion Ratio

Test Mode :	Mode 1~9	Temperature :	25~27℃
Test Engineer :	Ken Hsu	Relative Humidity :	54~57%

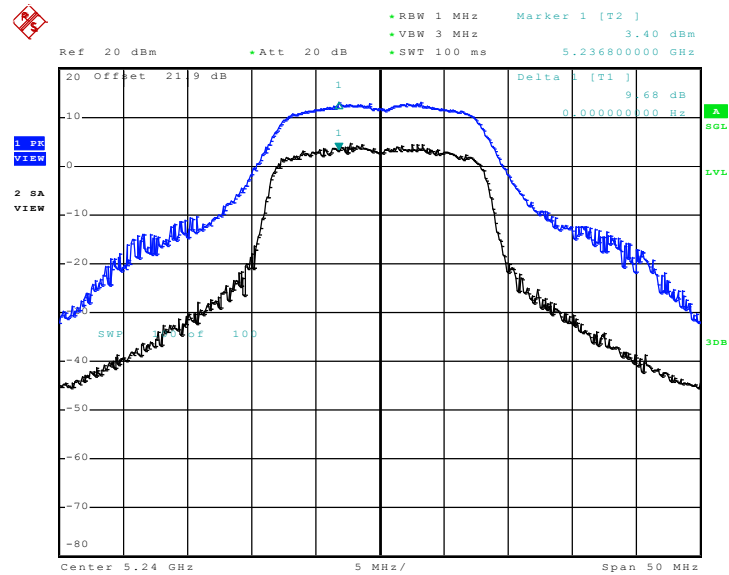
Peak Excursion Ratio Plot on 802.11a Channel 36



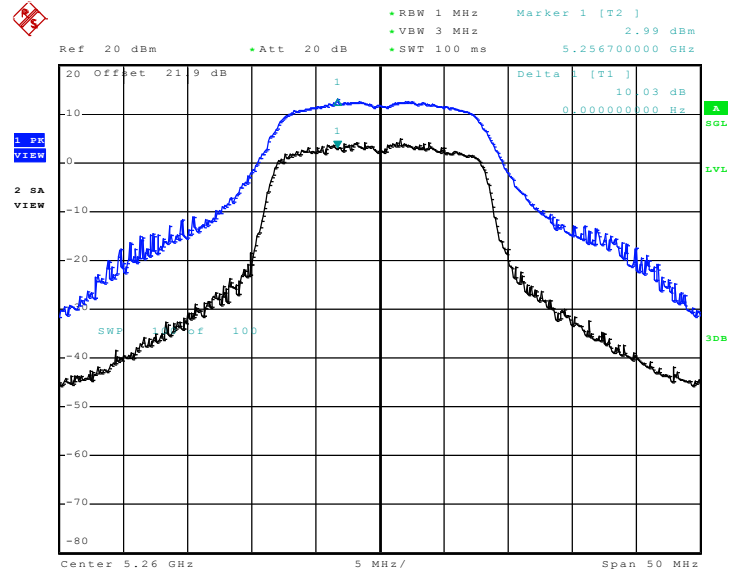
Date: 10.DEC.2010 08:43:44

Peak Excursion Ratio Plot on 802.11a Channel 44


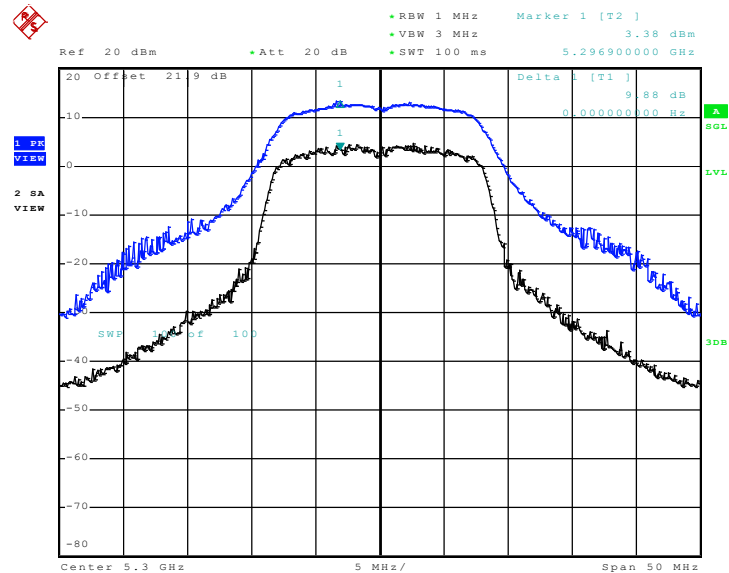
Date: 10.DEC.2010 08:59:55

Peak Excursion Ratio Plot on 802.11a Channel 48


Date: 10.DEC.2010 09:00:53

Peak Excursion Ratio Plot on 802.11a Channel 52


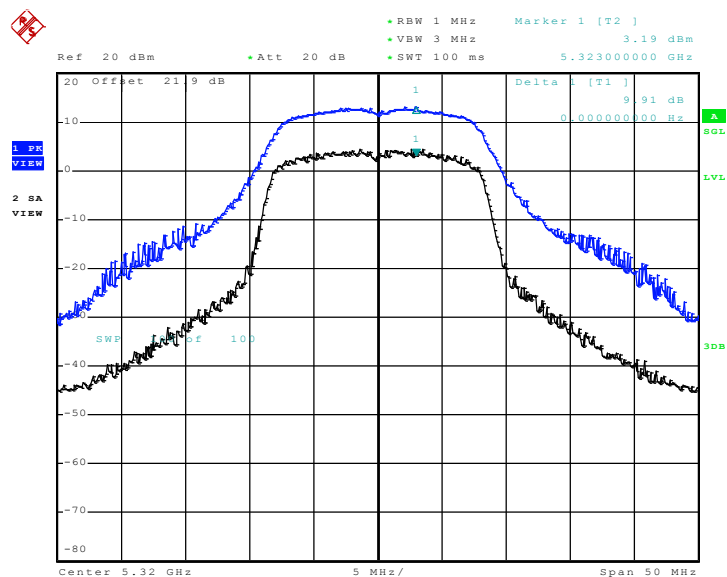
Date: 10.DEC.2010 09:01:59

Peak Excursion Ratio Plot on 802.11a Channel 60


Date: 10.DEC.2010 09:02:57

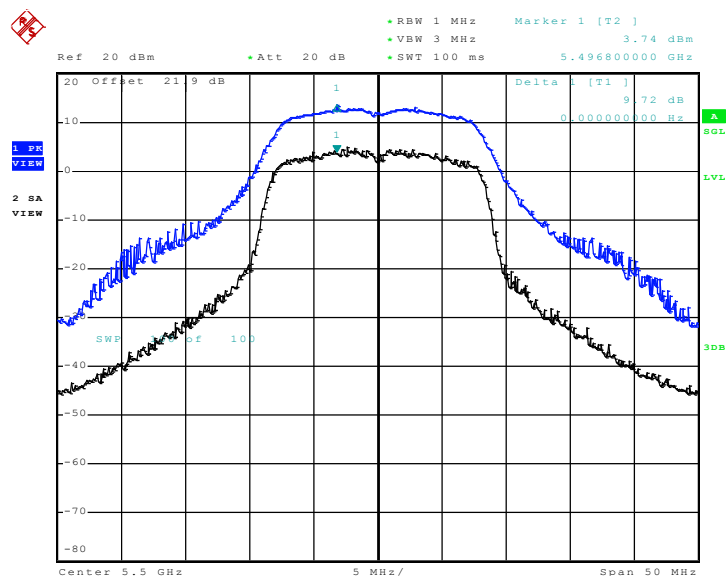


Peak Excursion Ratio Plot on 802.11a Channel 64

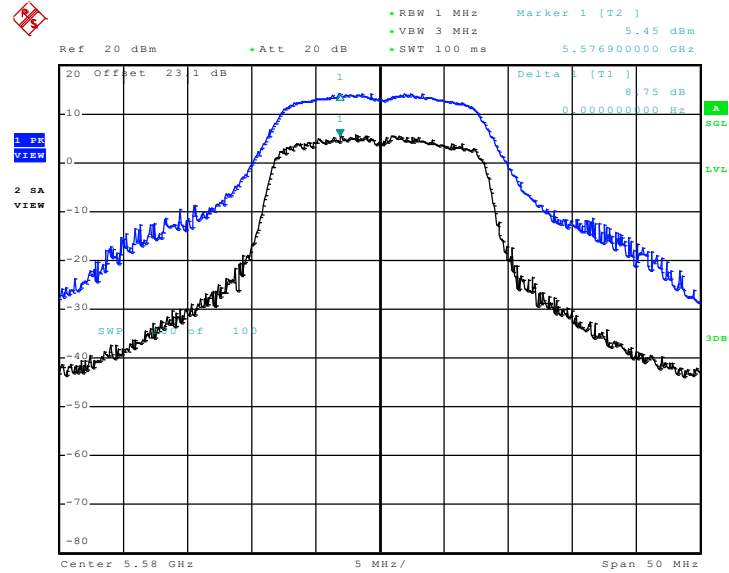


Date: 10.DEC.2010 09:03:53

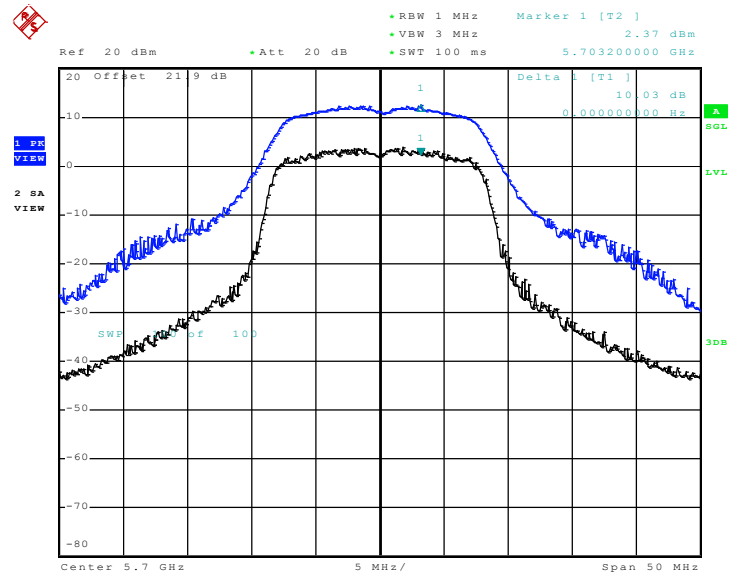
Peak Excursion Ratio Plot on 802.11a Channel 100



Date: 10.DEC.2010 09:06:51

Peak Excursion Ratio Plot on 802.11a Channel 116


Date: 10.FEB.2011 00:22:05

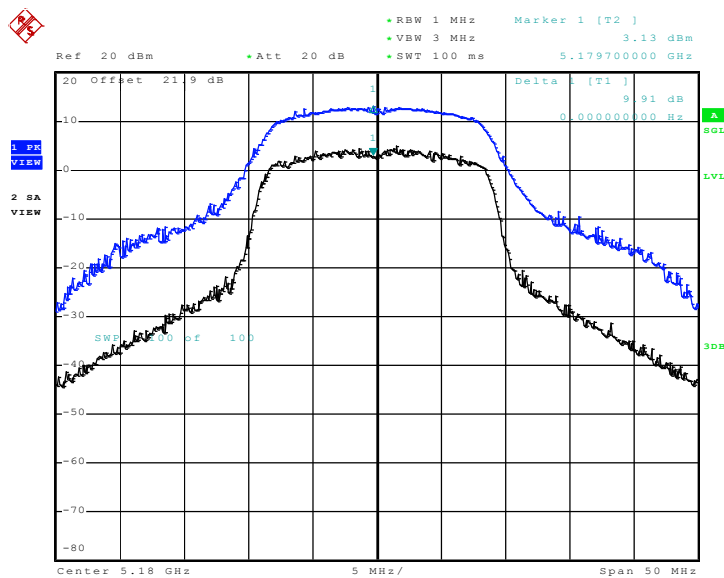
Peak Excursion Ratio Plot on 802.11a Channel 140


Date: 10.DEC.2010 09:10:49



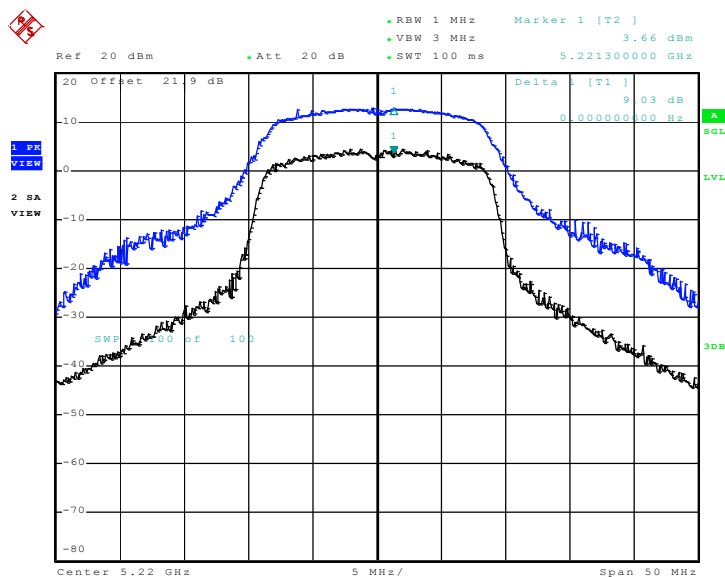
Test Mode :	Mode 10~18	Temperature :	25~27°C
Test Engineer :	Ken Hsu	Relative Humidity :	54~57%

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 36



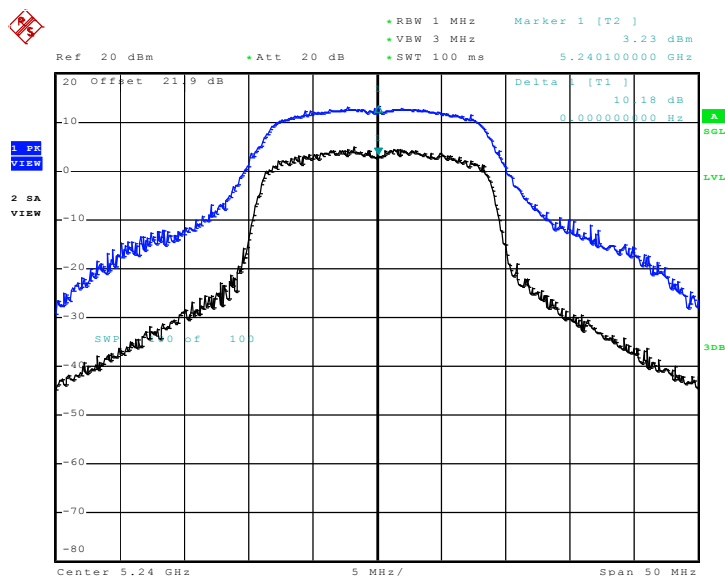
Date: 10.DEC.2010 09:14:29

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 44

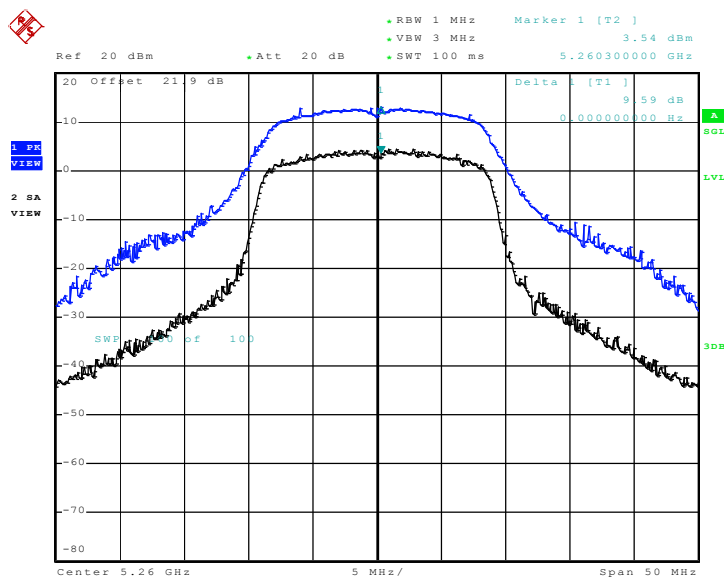


Date: 10.DEC.2010 09:17:12

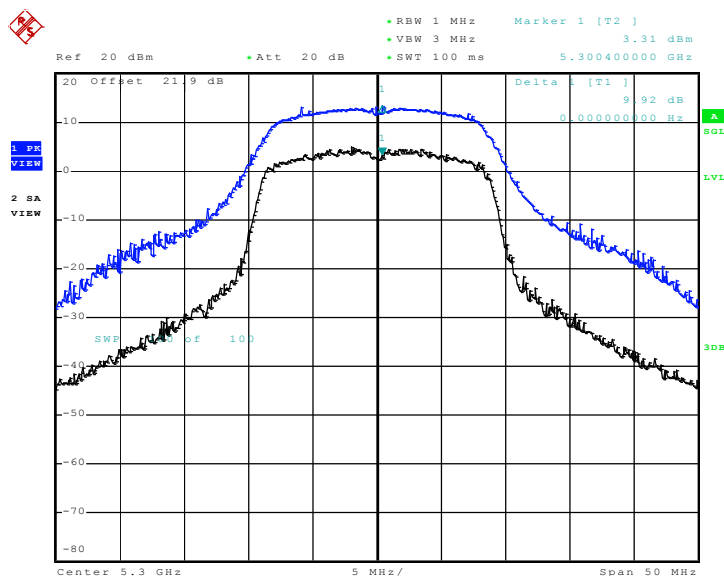
Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 48



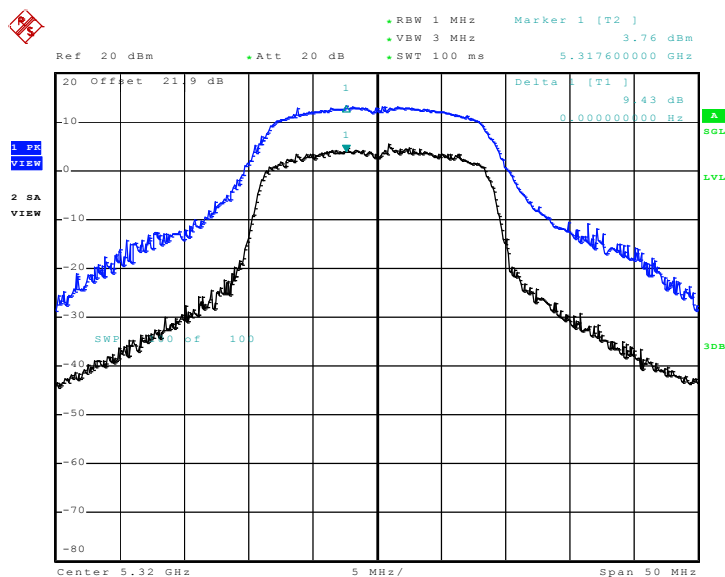
Date: 10.DEC.2010 09:19:46

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 52


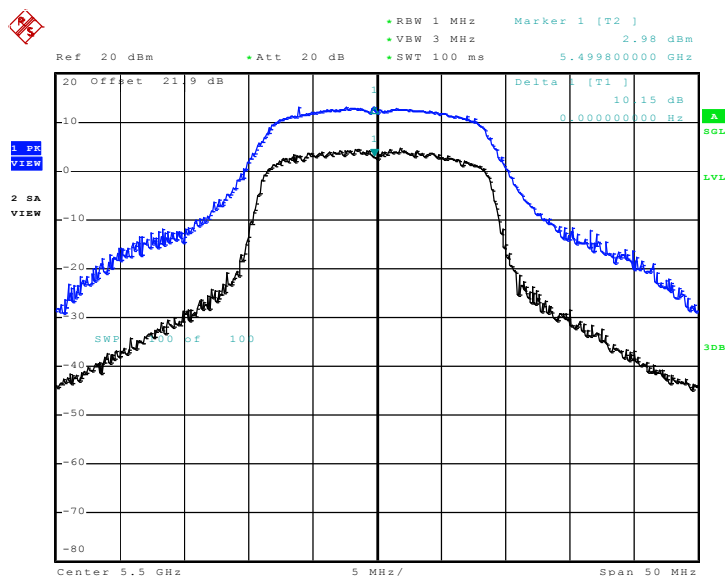
Date: 10.DEC.2010 09:21:46

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 60


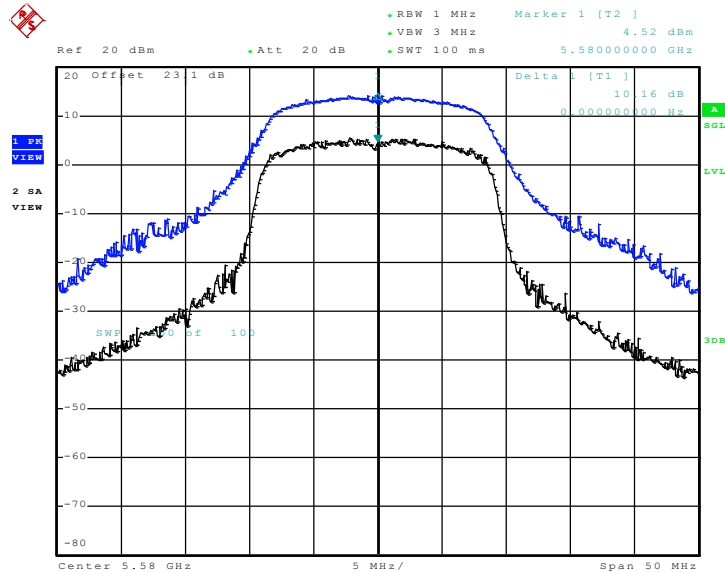
Date: 10.DEC.2010 09:22:31

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 64


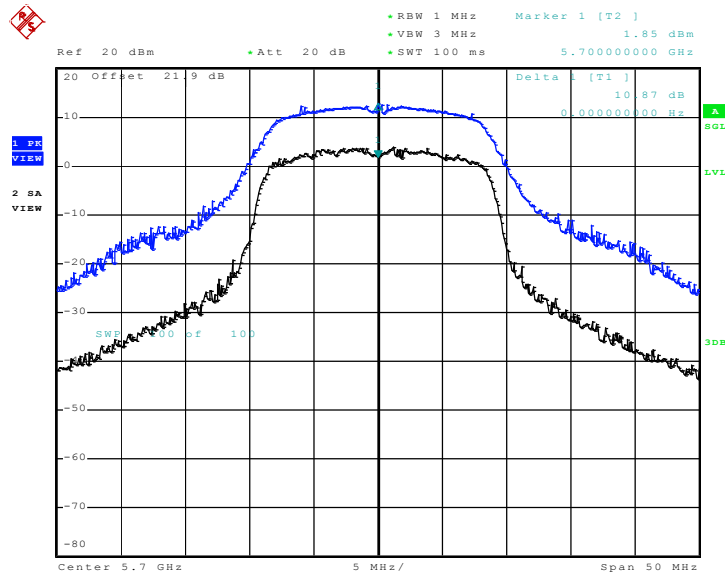
Date: 10.DEC.2010 09:24:23

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 100


Date: 10.DEC.2010 09:25:29

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 116


Date: 10.FEB.2011 01:14:21

Peak Excursion Ratio Plot on 802.11n (BW 20MHz) Channel 140


Date: 10.DEC.2010 09:27:12

3.9 Automatically Discontinue Transmission

3.9.1 Limit of Automatically Discontinue Transmission

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

3.9.2 Measuring Instruments

See list of measuring instruments of this test report.

3.9.3 Test Result of Automatically Discontinue Transmission

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.10 Frequency Stability Measurement

3.10.1 Limit of Frequency Stability

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

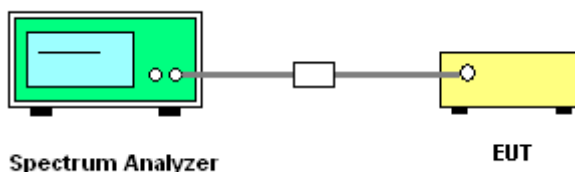
3.10.2 Measuring Instruments

See list of measuring instruments of this test report.

3.10.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.10.4 Test Setup



3.10.5 Test Result of Frequency Stability

Test Mode :	Mode 1~9	Temperature :	25~27℃
Test Engineer :	Ken Hsu	Relative Humidity :	54~57%

Channel	Frequency (MHz)	Low Frequency	High Frequency	Frequency Stability (ppm)
36	5180	5171.72	5188.28	0.00
44	5220	5211.72	5228.28	0.00
48	5240	5231.72	5248.28	0.00
52	5260	5251.72	5268.28	0.00
60	5300	5291.72	5308.28	0.00
64	5320	5311.72	5328.28	0.00
100	5500	5491.72	5508.28	0.00
116	5580	5571.74	5588.26	0.00
140	5700	5691.72	5708.28	0.00

Test Mode :	Mode 10~18	Temperature :	25~27℃
Test Engineer :	Ken Hsu	Relative Humidity :	54~57%

Channel	Frequency (MHz)	Low Frequency	High Frequency	Frequency Stability (ppm)
36	5180	5171.16	5188.92	7.72
44	5220	5211.12	5228.88	0.00
48	5240	5231.16	5248.88	3.82
52	5260	5251.16	5268.88	3.80
60	5300	5291.12	5308.92	3.77
64	5320	5311.12	5328.88	0.00
100	5500	5491.08	5508.88	-3.64
116	5580	5571.10	5588.82	-7.17
140	5700	5691.12	5708.84	-3.51



3.11 Antenna Requirements

3.11.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.11.2 Antenna Connected Construction

The antennas type used in this product is PIFA Antenna and it is considered to meet antenna requirement of FCC.

3.11.3 Antenna Gain

The antenna gain is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipments

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	Dec. 03, 2010	Dec. 02, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9KHz ~ 30MHz	Dec. 01, 2010	Nov. 30, 2011	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
GPS Station	T&E	GS-50	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2726	30MHz ~ 1GHz	Oct. 31, 2010	Oct. 30, 2011	Radiation (03CH07-HY)
Spectrum Analyzer	R&S	FSP	101067	9KHz ~ 30GHz	Dec. 03, 2010	Dec. 02, 2011	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 19, 2010	Aug. 18, 2011	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz- 40GHz	Oct. 18, 2010	Oct. 17, 2011	Radiation (03CH07-HY)
Pre Amplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Dec. 06, 2010	Dec. 05, 2011	Radiation (03CH07-HY)
Pre Amplifier	COM-POWER	PA-103A	161241	10-1000MHz.32 dB.GAIN	Mar. 27, 2010	Mar. 26, 2011	Radiation (03CH07-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH07-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 $U_c(y)$	1.13		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	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 $U_c(y)$	1.27		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	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 $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\text{Log}(1-\Gamma_1*\Gamma_2)$	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty $U_c(y)$	2.36				
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.72				



Appendix A. Photographs of EUT

Please refer to Sporton report number EP0D0904-02 as below.



1. External Photograph of EUT





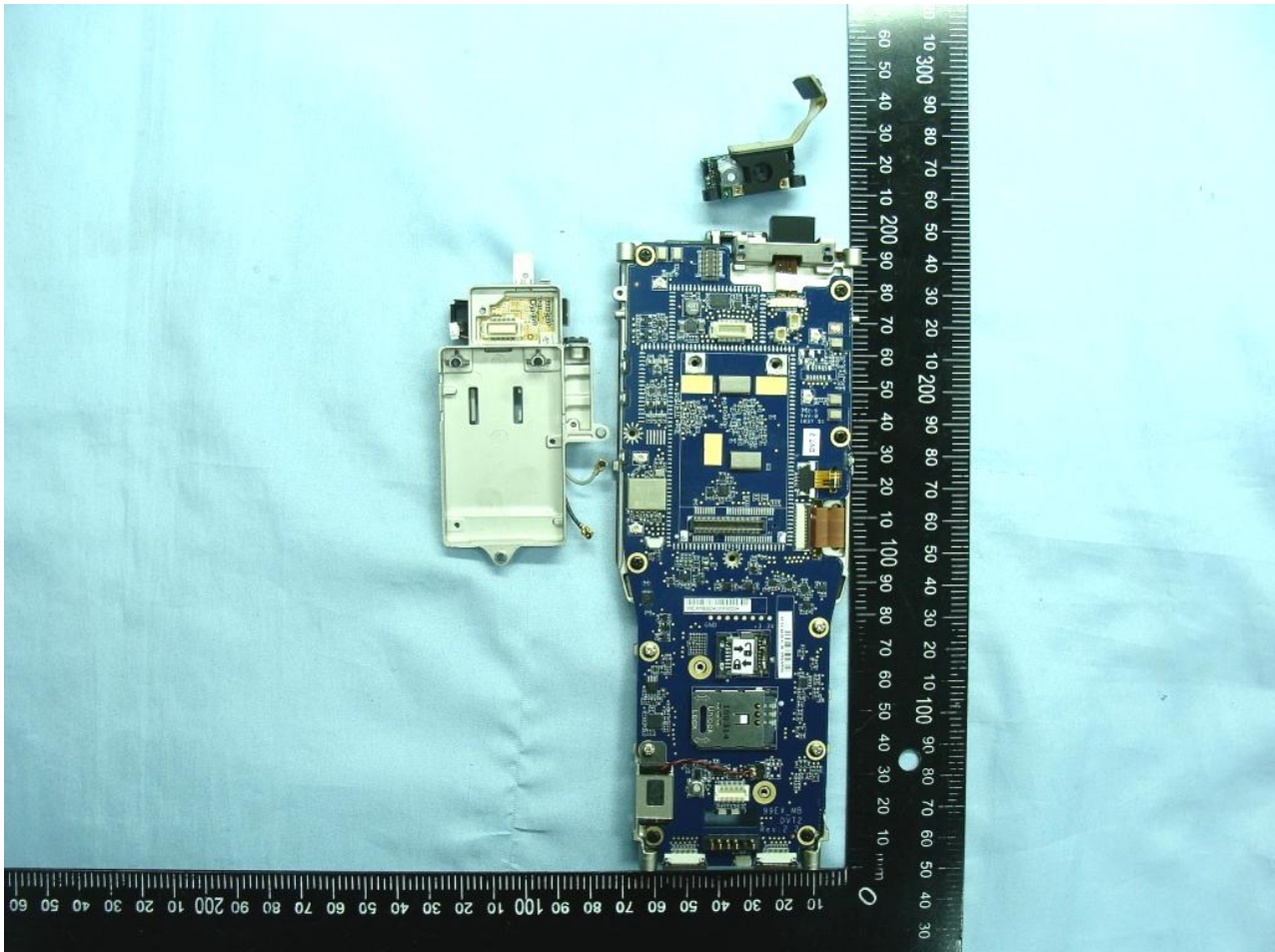
**2. Photograph of Accessory****List of Accessory:**

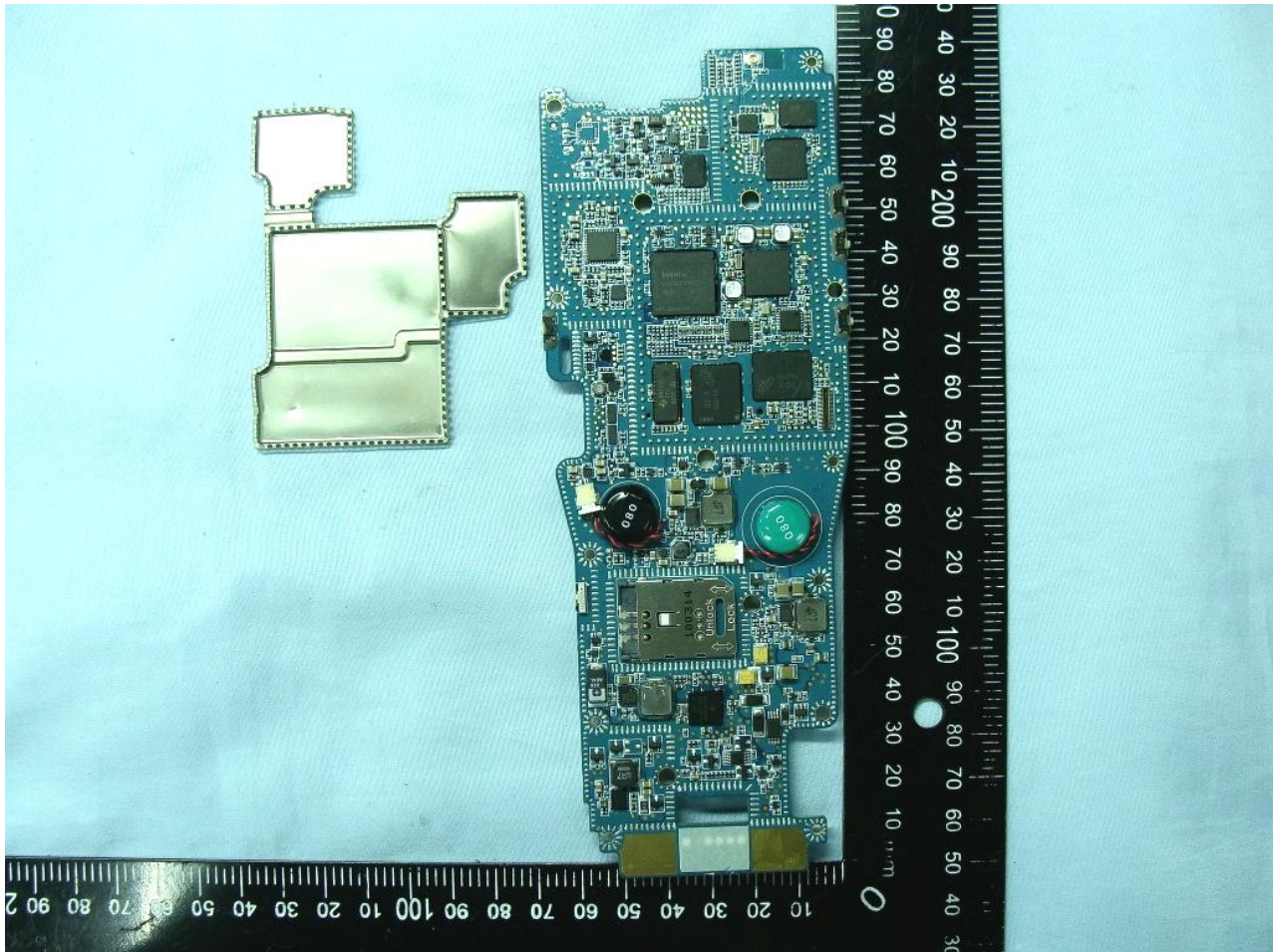
Specification of Accessory		
Battery	Brand Name	Honeywell
	Model Name	99EX-BTSC
Holster	Model Name	99EX-Holster
LCD Panel	Brand Name	Casio
	Model Name	OM37H3M04XLC
Camera	Brand Name	LITE-ON Semiconductor Corp.
	Model Name	DCM-300MCB

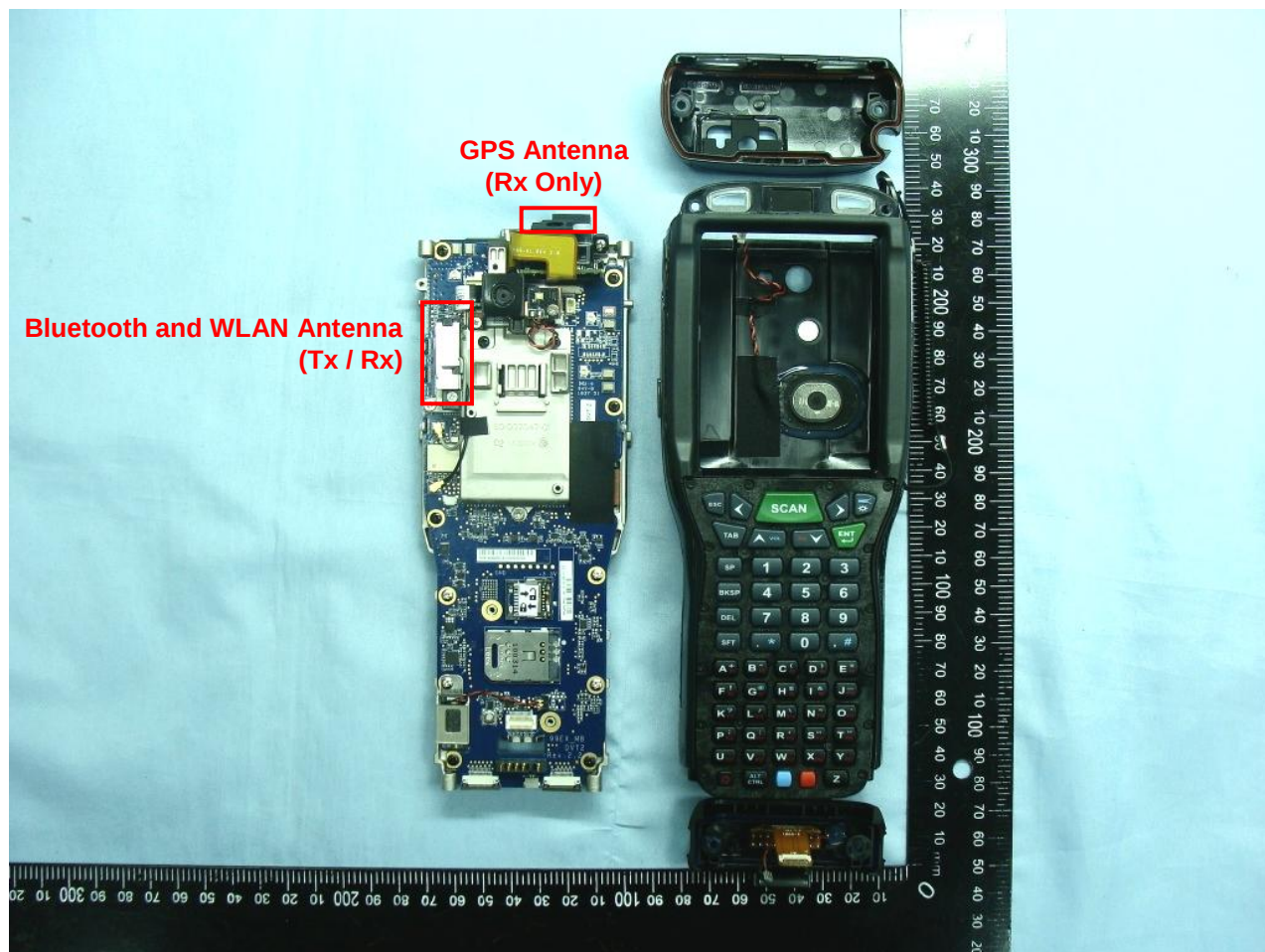
Remark: For accessories equipped with this EUT, please refer to the following photos.

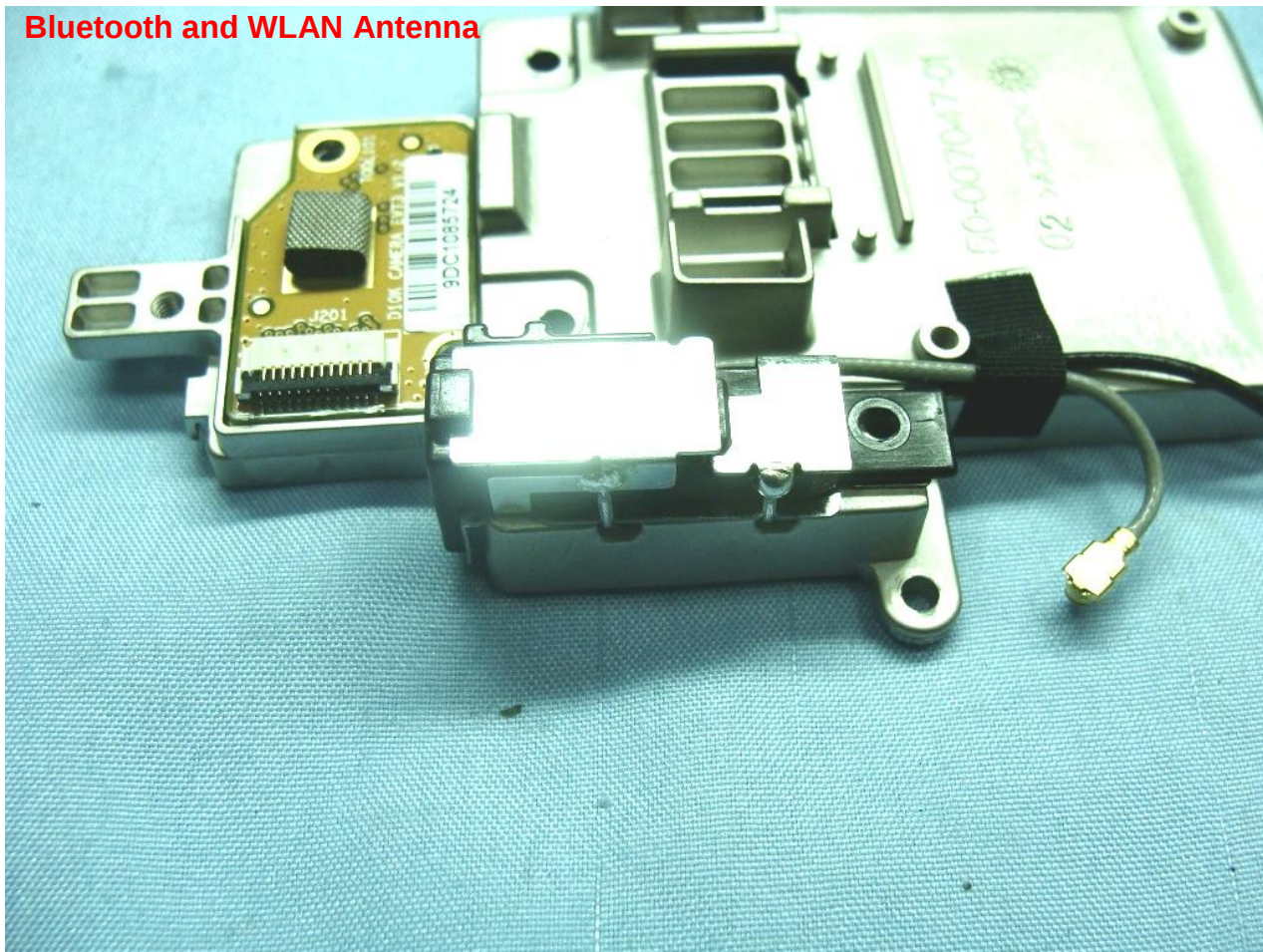




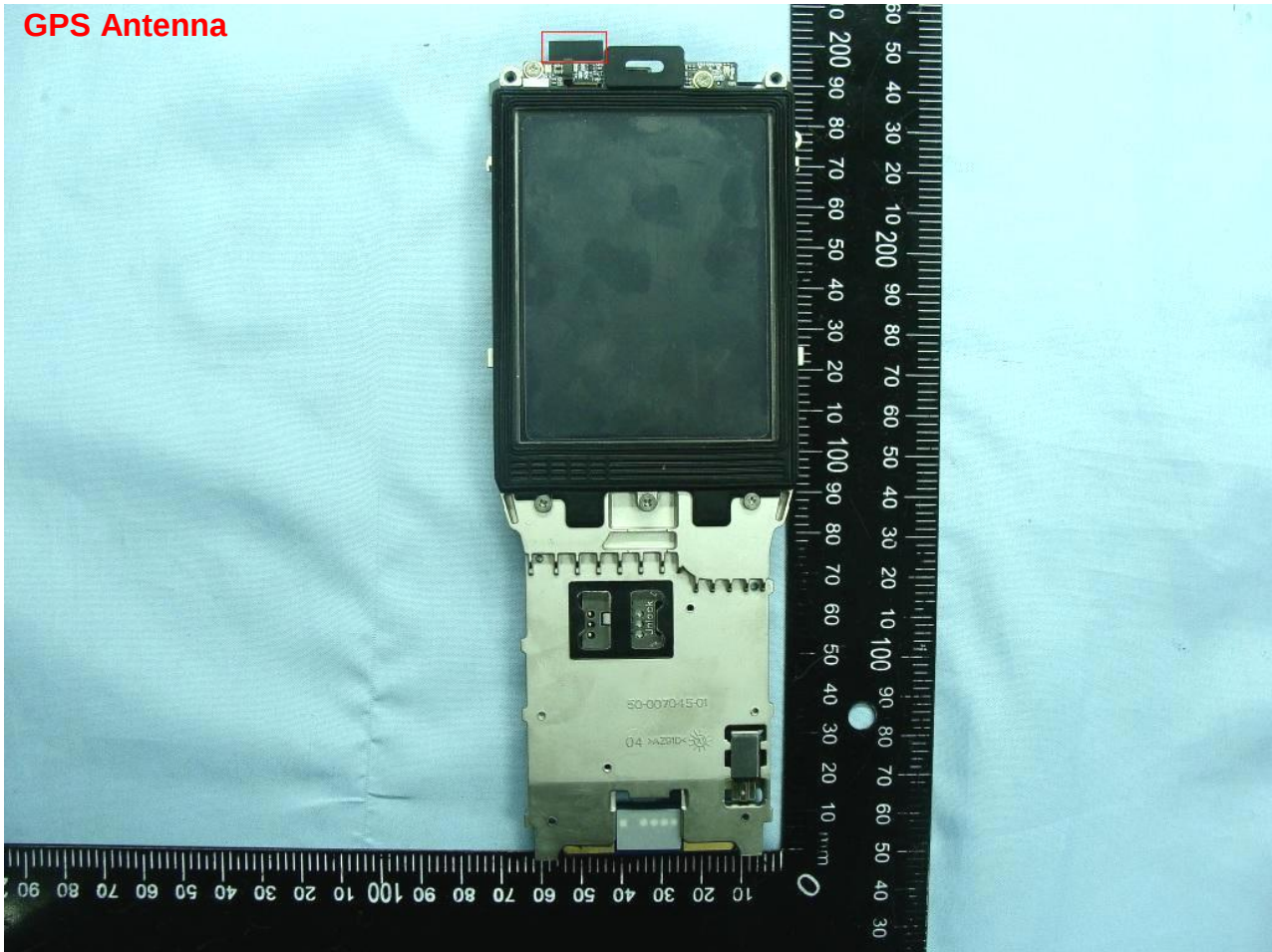
3. Internal Photograph of EUT





Bluetooth and WLAN Antenna

GPS Antenna



Appendix B. Setup Photographs

<Conducted Emission>



<Radiated Emission>

