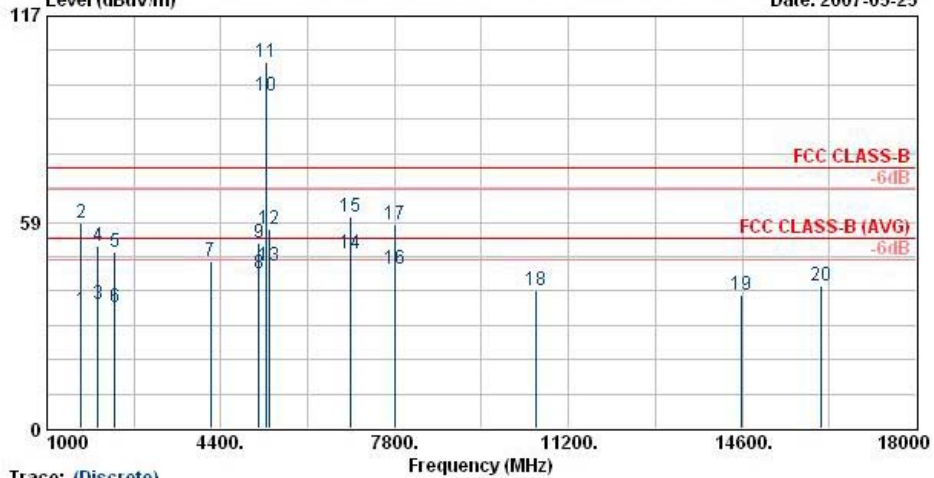


Data: 20 File: D:\Project\2007Q2\英業達\6D2906(NEW)\Askey\Part15E\11a Tx_CH58(Turbo mode). Date: 2007-05-25



Site : 03CH06-HY
 Condition : HF-ANT(8-16)-060918 HORIZONTAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH58;5290MHz
 Data Rate : 12
 : Turbo mode

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1664.00	33.43	-20.57	54.00	38.50	27.43	3.03	35.53	100	188 Average
2	1664.00	58.31	-15.69	74.00	63.38	27.43	3.03	35.53	---	--- Peak
3	1998.00	35.45	-18.55	54.00	37.20	30.10	3.32	35.17	100	155 Average
4	1998.00	51.91	-22.09	74.00	53.66	30.10	3.32	35.17	---	--- Peak
5	2328.00	50.18	-23.82	74.00	51.66	30.23	3.69	35.40	---	--- Peak
6	2328.00	34.41	-19.59	54.00	35.90	30.23	3.69	35.40	100	355 Average
7	4198.00	47.48	-26.52	74.00	46.61	31.28	5.31	35.72	---	--- Peak
8	5150.00	44.04	-9.96	54.00	40.42	33.60	6.21	36.19	100	332 Average
9	5150.00	52.45	-21.55	74.00	48.82	33.60	6.21	36.19	100	0 Peak
10 @	5290.00	94.19			90.22	33.60	6.49	36.12	100	332 Average
11 X	5290.00	103.75			99.78	33.60	6.49	36.12	100	0 Peak
12	5350.00	56.38	-17.62	74.00	52.26	33.60	6.59	36.08	100	0 Peak
13	5350.00	45.89	-8.11	54.00	41.78	33.60	6.59	36.08	100	332 Average
14	6948.00	49.76	-24.24	74.00	40.14	37.52	7.84	35.74	100	203 Average
15	6948.00	59.91	-14.09	74.00	50.28	37.52	7.84	35.74	100	0 Peak
16	7818.00	45.25	-8.75	54.00	34.10	39.34	7.73	35.92	100	132 Average
17	7818.00	57.66	-16.34	74.00	46.52	39.34	7.73	35.92	---	--- Peak
18	10557.00	39.31	-34.69	74.00	74.79	-8.48	9.53	36.54	---	--- Peak
19	14592.00	38.00	-36.00	74.00	68.47	-6.53	11.66	35.60	---	--- Peak
20	16152.00	40.50	-33.50	74.00	69.10	-5.76	11.80	34.65	---	--- Peak

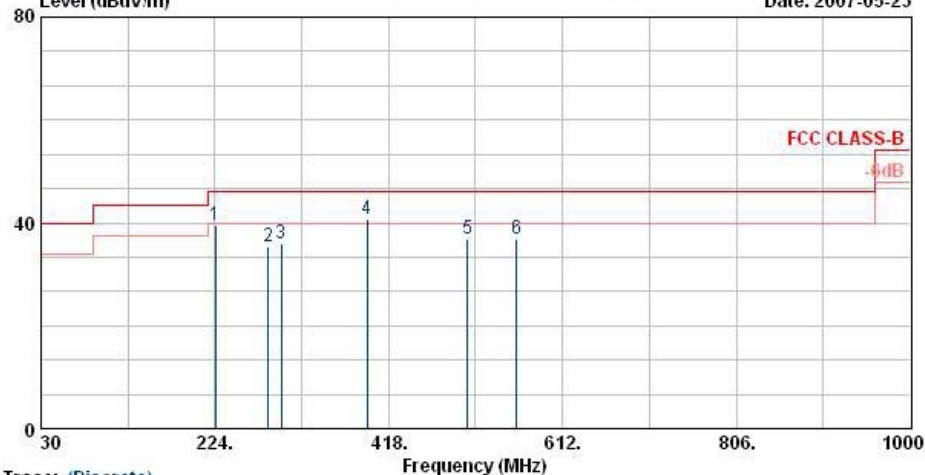
Remark: #10 and #11 Fundamental Signal

Remark: Frequency from 18GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

■ The test that passed at minimum margin was marked by the boldface in the following table.

Data: 21 File: D:\Project\2007Q2\美業達\6D2906(NEW)\Askey\Part15E\11a Tx_CH58(Turbo mode). Date: 2007-05-23



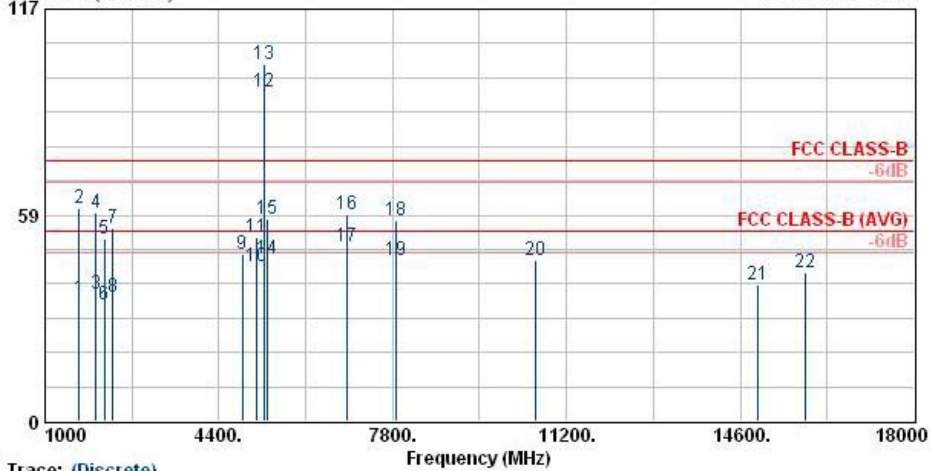
Trace: (Discrete)

Site : 03CH06-HV
Condition : LF-ANT(951121) VERTICAL
EUT : Notebook
Power : 120Vac/60Hz
Model : FR 6D2906
Memo : 11a Tx_CH58;5290MHz
Data Rate : 12
Turbo mode

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	224.94	39.63	-6.37	46.00	57.66	10.79	2.16	30.98	---	---	Peak
2	283.53	35.34	-10.66	46.00	50.83	12.90	2.58	30.97	---	---	Peak
3	298.38	36.04	-9.96	46.00	51.16	13.19	2.63	30.94	---	---	Peak
4 !	393.80	40.63	-5.37	46.00	52.81	15.61	3.07	30.87	100	301	Peak
5	505.80	36.88	-9.12	46.00	46.63	17.49	3.54	30.78	---	---	Peak
6	560.40	36.97	-9.03	46.00	45.87	18.06	3.76	30.72	---	---	Peak

Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 22 File: D:\Project\2007Q2\美萊達\6D2906(NEW)\Askey\Part15E\11a Tx_CH58(Turbo mode). Date: 2007-05-25
Level (dBuV/m)



Site : 03CH06-HV
Condition : HF-ANT(8-16)-060918 VERTICAL
EUT : Notebook
Power : 120Vac/60Hz
Model : FR 6D2906
Memo : 11a Tx_CH58;5290MHz
Data Rate : 12
Turbo mode

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1664.00	34.73	-19.27	54.00	39.80	27.43	3.03	35.53	100	45 Average
2	1664.00	60.41	-13.59	74.00	65.48	27.43	3.03	35.53	---	--- Peak
3	1994.00	36.30	-17.70	54.00	38.20	29.97	3.30	35.17	100	264 Average
4	1994.00	59.37	-14.63	74.00	61.27	29.97	3.30	35.17	---	--- Peak
5	2158.00	51.54	-22.46	74.00	53.17	30.16	3.49	35.28	---	--- Peak
6	2158.00	32.87	-21.13	54.00	34.50	30.16	3.49	35.28	100	102 Average
7	2324.00	54.84	-19.16	74.00	56.33	30.23	3.69	35.40	---	--- Peak
8	2324.00	35.31	-18.69	54.00	36.80	30.23	3.69	35.40	100	360 Average
9	4858.00	47.60	-26.40	74.00	44.80	33.08	5.87	36.14	---	--- Peak
10	5150.00	44.03	-9.97	54.00	40.41	33.60	6.21	36.19	---	--- Peak
11	5150.00	52.26	-21.74	74.00	48.64	33.60	6.21	36.19	100	0 Peak
12 @	5290.00	93.72			89.52	33.60	6.66	36.07	100	325 Average
13 X	5290.00	101.44			97.51	33.60	6.45	36.12	100	0 Peak
14	5350.00	45.97	-8.03	54.00	41.86	33.60	6.59	36.08	100	325 Average
15	5350.00	57.20	-16.80	74.00	53.09	33.60	6.59	36.08	100	0 Peak
16	6894.00	58.90	-15.10	74.00	49.65	37.24	7.76	35.75	100	0 Peak
17 !	6894.00	49.57	-4.43	54.00	40.32	37.24	7.76	35.75	100	285 Average
18	7868.00	56.99	-17.01	74.00	45.74	39.41	7.74	35.90	---	--- Peak
19	7868.00	45.75	-8.25	54.00	34.50	39.41	7.74	35.90	100	266 Average
20	10587.00	45.78	-28.22	74.00	81.18	-8.46	9.56	36.50	---	--- Peak
21	14937.00	38.86	-35.14	74.00	69.78	-6.25	11.31	35.98	---	--- Peak
22	15876.00	42.05	-31.95	74.00	72.50	-4.74	11.67	37.37	---	--- Peak

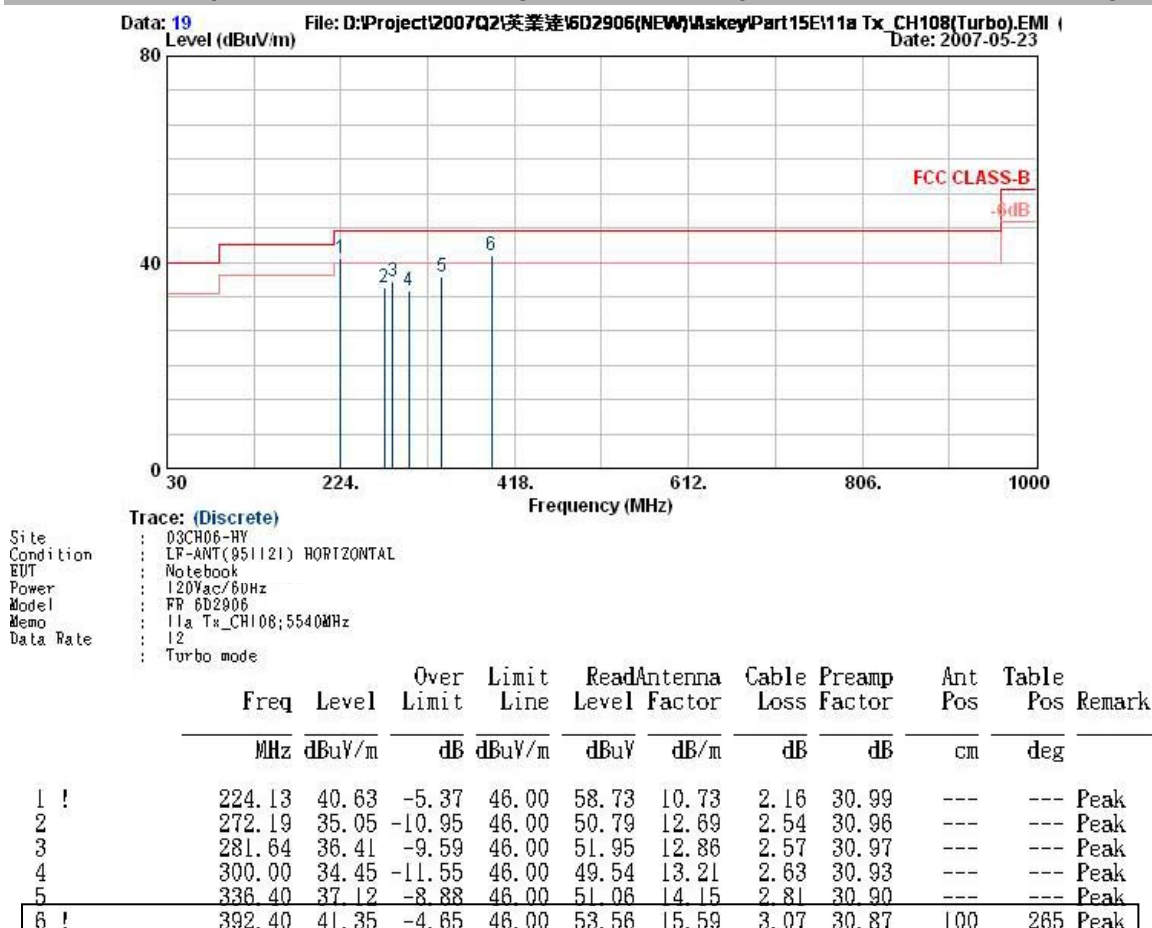
Remark: #12 and #13 Fundamental Signal

Remark: Frequency from 18GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

➤ Test Mode : Mode 8

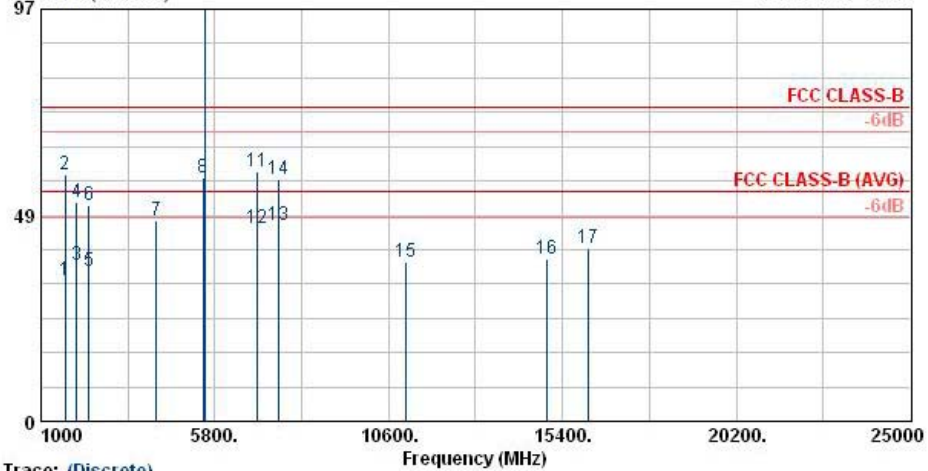
- Temperature : 26
- Relative Humidity : 54%
- Test Engineer : Anderson
- Polarization : Horizontal

■ The test that passed at minimum margin was marked by the boldface in the following table.



Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 20 File: D:\Project\2007Q2\美萊達\6D2906(NEW)\Askey\Part15E\11a Tx_CH108(Turbo).EMI (Level (dBuV/m) Date: 2007-05-25



Trace: (Discrete)
 Site : 03CH06-HY
 Condition : HF-ANT(8-1R)-06091R HORIZONTAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH108;5540MHz
 Data Rate : 12
 : Turbo mode

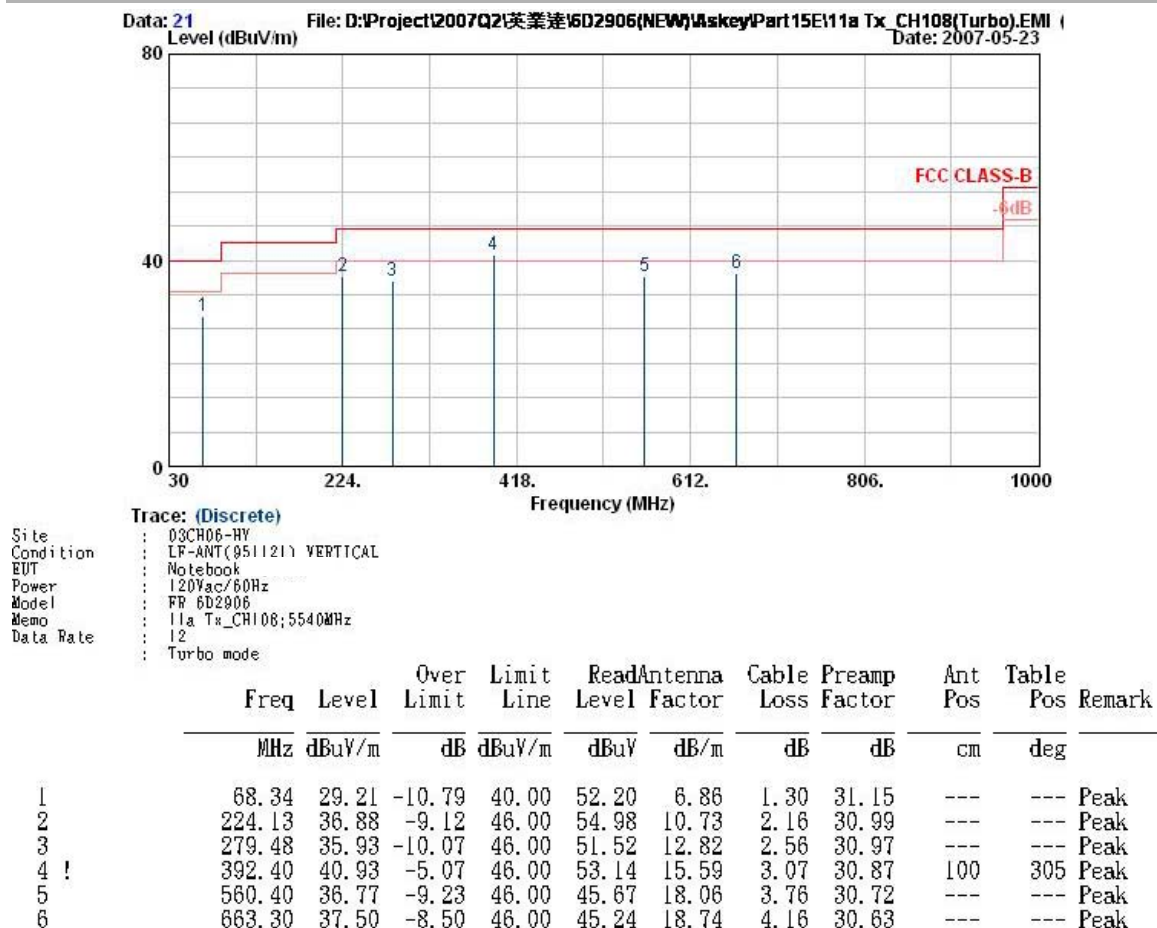
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1658.00	33.33	-20.67	54.00	38.40	27.43	3.03	35.53	100	344 Average
2	1658.00	58.12	-15.88	74.00	63.20	27.43	3.03	35.53	---	--- Peak
3	1994.00	36.70	-17.30	54.00	38.60	29.97	3.30	35.17	100	166 Average
4	1994.00	51.40	-22.60	74.00	53.30	29.97	3.30	35.17	---	--- Peak
5	2324.00	35.21	-18.79	54.00	36.70	30.23	3.69	35.40	100	98 Average
6	2324.00	50.85	-23.15	74.00	52.34	30.23	3.69	35.40	---	--- Peak
7	4178.00	47.39	-26.61	74.00	46.56	31.26	5.29	35.72	---	--- Peak
8	5470.00	57.18	-16.82	74.00	52.80	33.60	6.80	36.02	---	--- Peak
9 X	5540.00	104.56			100.03	33.63	6.88	35.98	100	0 Peak
10 @	5540.00	95.75			91.22	33.63	6.88	35.98	118	91 Average
11	6978.00	58.67	-15.33	74.00	48.80	37.71	7.89	35.73	100	0 Peak
12	6978.00	45.57	-8.43	54.00	35.70	37.71	7.89	35.73	100	266 Average
13	7544.00	46.26	-7.74	54.00	35.70	38.97	7.62	36.04	100	356 Average
14	7544.00	56.97	-17.03	74.00	46.41	38.97	7.62	36.04	---	--- Peak
15	11082.00	37.33	-36.67	74.00	72.26	-8.86	9.94	36.01	---	--- Peak
16	14976.00	38.35	-35.65	74.00	69.30	-6.22	11.27	36.01	---	--- Peak
17	16116.00	40.63	-33.37	74.00	69.16	-5.39	11.80	34.94	---	--- Peak

Remark: #9 and #10 Fundamental Signal

Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

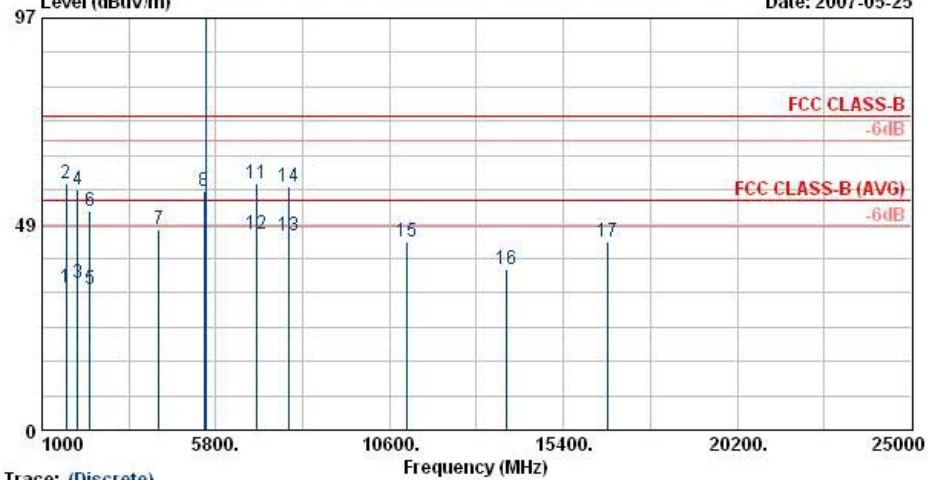
- Polarization : Vertical

■ The test that passed at minimum margin was marked by the boldface in the following table.



Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 22 File: D:\Project\2007Q2\美萊達\6D2906(NEW)\Askey\Part15E\11a Tx_CH108(Turbo).EMI (Date: 2007-05-25



Site : 03CH06-HV
 Condition : HF-ANT(8-16)-060918 VERTICAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH108;5540MHz
 Data Rate : 12
 : Turbo mode

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1658.00	33.63	-20.37	54.00	38.70	27.43	3.03	35.53	100	321 Average
2	1658.00	58.20	-15.80	74.00	63.27	27.43	3.03	35.53	---	--- Peak
3	1994.00	34.50	-19.50	54.00	36.40	29.97	3.30	35.17	100	255 Average
4	1994.00	56.44	-17.56	74.00	58.34	29.97	3.30	35.17	---	--- Peak
5	2328.00	33.21	-20.79	54.00	34.70	30.23	3.69	35.40	100	44 Average
6	2328.00	51.62	-22.38	74.00	53.11	30.23	3.69	35.40	---	--- Peak
7	4234.00	47.40	-26.60	74.00	46.46	31.33	5.35	35.74	---	--- Peak
8	5470.00	56.28	-17.72	74.00	51.91	33.60	6.80	36.02	---	--- Peak
9 X	5540.00	103.93			99.40	33.63	6.88	35.98	100	0 Peak
10 @	5540.00	95.53			91.00	33.63	6.88	35.98	118	306 Average
11	6944.00	57.95	-16.05	74.00	48.33	37.52	7.84	35.74	100	0 Peak
12	6944.00	46.02	-7.98	54.00	36.40	37.52	7.84	35.74	100	188 Average
13	7798.00	45.82	-8.18	54.00	34.70	39.32	7.72	35.92	100	277 Average
14	7798.00	57.50	-16.50	74.00	46.39	39.32	7.72	35.92	---	--- Peak
15	11082.00	44.44	-29.56	74.00	79.37	-8.86	9.94	36.01	---	--- Peak
16	13821.00	38.02	-35.98	74.00	68.33	-7.29	11.46	34.48	---	--- Peak
17	16632.00	44.25	-29.75	74.00	74.61	-10.10	11.92	32.17	---	--- Peak

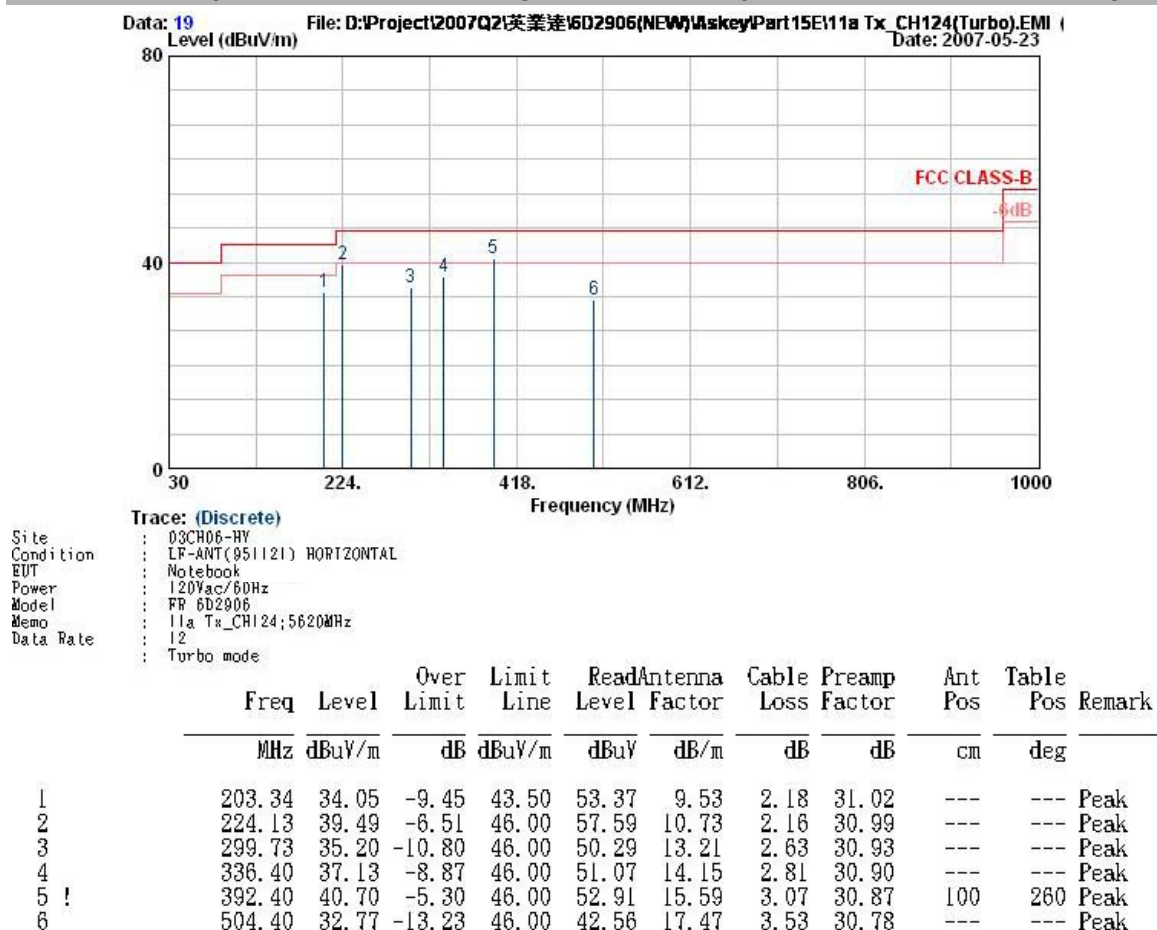
Remark: #9 and #10 Fundamental Signal

Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

➤ Test Mode : Mode 9

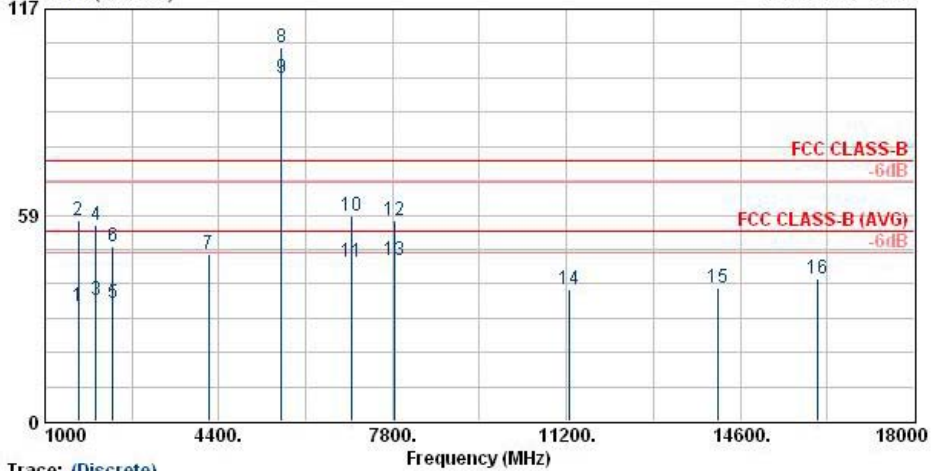
- Temperature : 26
- Relative Humidity : 54%
- Test Engineer : Anderson
- Polarization : Horizontal

■ The test that passed at minimum margin was marked by the boldface in the following table.



Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 20 File: D:\Project\2007Q2\英業達\6D2906(NEW)\Askey\Part15E\11a Tx_CH124(Turbo).EMI (Level (dBuV/m) Date: 2007-05-25



Trace: (Discrete)
 Site : 03CH06-HV
 Condition : HF-ANT(8-16)-060918 HORIZONTAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH124;5620MHz
 Data Rate : 12
 : Turbo mode

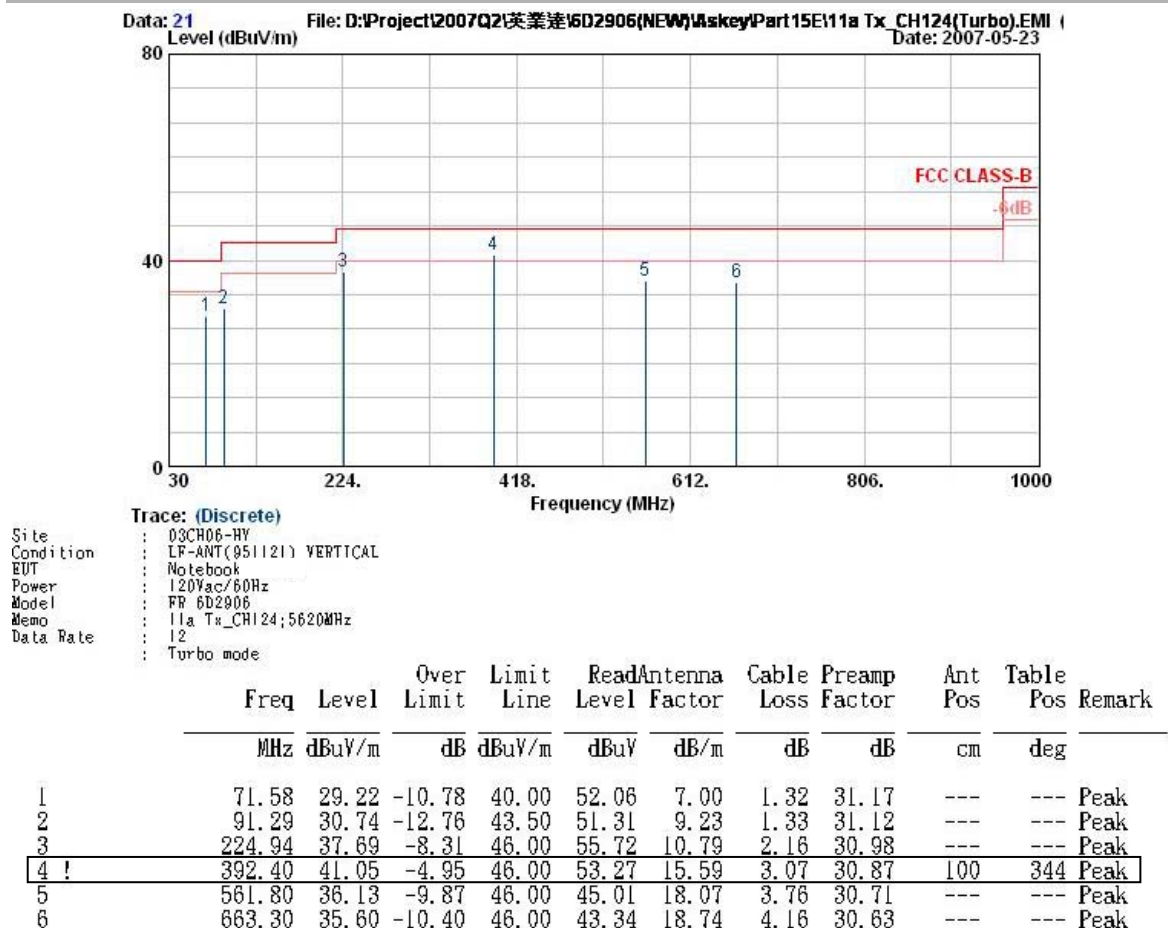
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1658.00	32.49	-21.51	54.00	37.56	27.43	3.03	35.53	100	318 Average
2	1658.00	56.83	-17.17	74.00	61.90	27.43	3.03	35.53	---	--- Peak
3	1994.00	34.28	-19.72	54.00	36.18	29.97	3.30	35.17	100	165 Average
4	1994.00	55.59	-18.41	74.00	57.49	29.97	3.30	35.17	---	--- Peak
5	2328.00	33.27	-20.73	54.00	34.76	30.23	3.69	35.40	100	255 Average
6	2328.00	49.61	-24.39	74.00	51.10	30.23	3.69	35.40	---	--- Peak
7	4204.00	47.39	-26.61	74.00	46.51	31.28	5.33	35.73	---	--- Peak
8 X	5620.00	106.28			101.60	33.72	6.89	35.93	100	0 Peak
9 @	5620.00	97.24			92.56	33.72	6.89	35.93	100	319 Average
10	6998.00	58.10	-15.90	74.00	48.13	37.80	7.92	35.75	100	0 Peak
11	6998.00	45.37	-8.63	54.00	35.40	37.80	7.92	35.75	100	144 Average
12	7828.00	56.82	-17.18	74.00	45.64	39.37	7.73	35.91	---	--- Peak
13	7828.00	45.68	-8.32	54.00	34.50	39.37	7.73	35.91	100	166 Average
14	11241.00	37.26	-36.74	74.00	73.27	-9.98	10.05	36.08	---	--- Peak
15	14172.00	37.92	-36.08	74.00	67.42	-6.27	11.66	34.89	---	--- Peak
16	16101.00	40.53	-33.47	74.00	69.12	-5.14	11.79	35.24	---	--- Peak

Remark: #8 and #9 Fundamental Signal

Remark: Frequency from 18GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

- Polarization : Vertical

■ The test that passed at minimum margin was marked by the boldface in the following table.

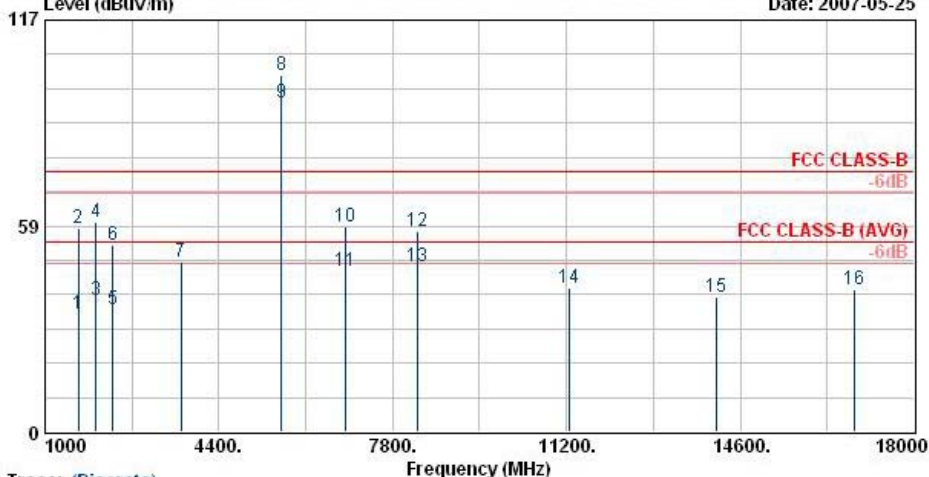


Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

FCC/IC TEST REPORT

Report No. : FR6D2906-F

Data: 22 File: D:\Project\2007Q2\英業達\6D2906(NEW)\Askey\Part15E\11a Tx_CH124(Turbo).EMI (Date: 2007-05-25



Trace: (Discrete)

Site : 03CH06-HV
Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : Notebook
Power : 120Vac/60Hz
Model : FR 6D2906
Memo : 11a Tx_CH124;5620MHz
Data Rate : 12
Turbo mode

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1658.00	33.53	-20.47	54.00	38.60	27.43	3.03	35.53	100	288 Average
2	1658.00	57.85	-16.15	74.00	62.93	27.43	3.03	35.53	---	--- Peak
3	1994.00	37.40	-16.60	54.00	39.30	29.97	3.30	35.17	100	89 Average
4	1994.00	59.39	-14.61	74.00	61.29	29.97	3.30	35.17	---	--- Peak
5	2334.00	34.91	-19.09	54.00	36.40	30.23	3.69	35.40	100	123 Average
6	2334.00	53.01	-20.99	74.00	54.50	30.23	3.69	35.40	---	--- Peak
7	3654.00	48.09	-25.91	74.00	48.72	30.24	4.77	35.64	---	--- Peak
8 X	5620.00	101.13			96.45	33.72	6.89	35.93	100	0 Peak
9 @	5620.00	93.54			88.86	33.72	6.89	35.93	100	294 Average
10	6868.00	58.26	-15.74	74.00	49.23	37.06	7.73	35.76	100	0 Peak
11	6868.00	45.73	-8.27	54.00	36.70	37.06	7.73	35.76	100	201 Average
12	8298.00	56.81	-17.19	74.00	45.33	39.37	8.12	36.01	---	--- Peak
13	8298.00	47.18	-6.82	54.00	35.70	39.37	8.12	36.01	100	336 Average
14	11241.00	40.75	-33.25	74.00	76.76	-9.98	10.05	36.08	---	--- Peak
15	14127.00	38.18	-35.82	74.00	67.54	-6.23	11.66	34.79	---	--- Peak
16	16842.00	40.52	-33.48	74.00	72.64	-10.10	11.98	33.99	---	--- Peak

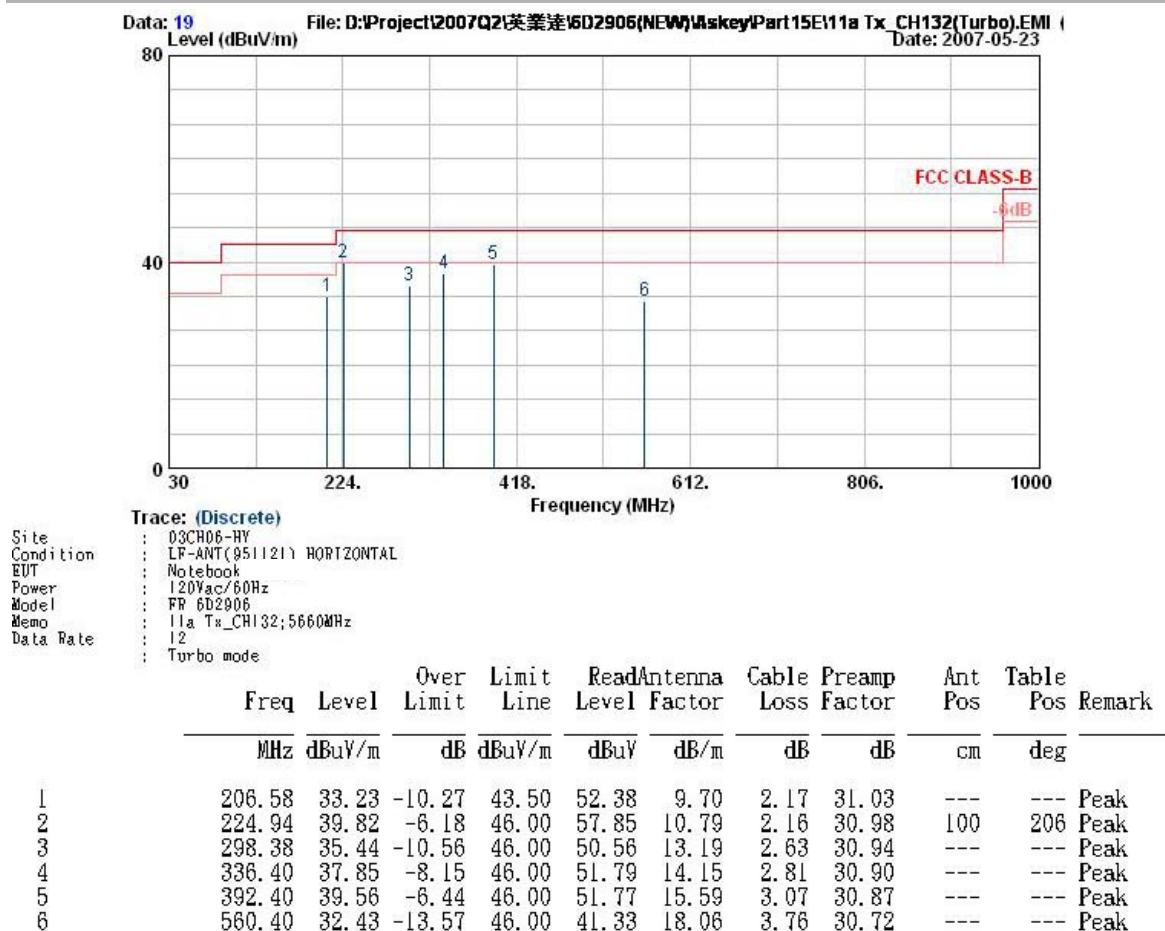
Remark: #8 and #9 Fundamental Signal

Remark: Frequency from 18GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

➤ Test Mode : Mode 10

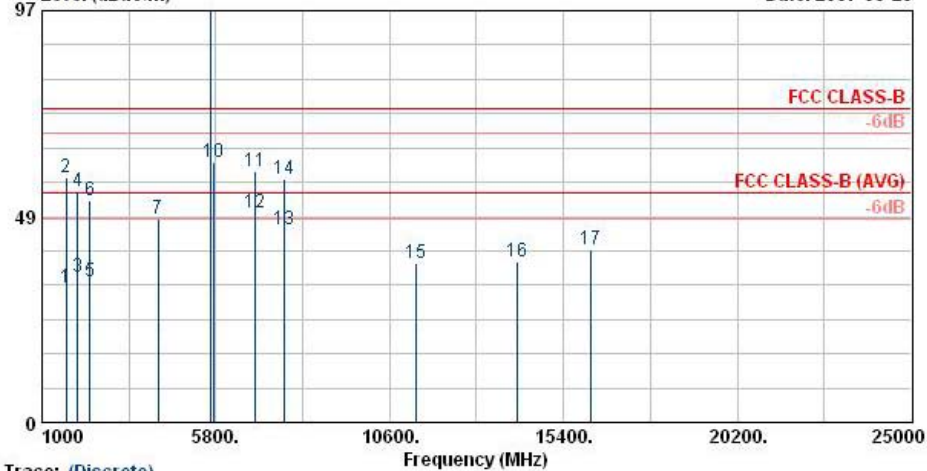
- Temperature : 26
- Relative Humidity : 54%
- Test Engineer : Anderson
- Polarization : Horizontal

■ The test that passed at minimum margin was marked by the boldface in the following table.



Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 20 File: D:\Project\2007Q2\美萊達\6D2906(NEW)\Askey\Part15E\11a Tx_CH132(Turbo).EMI (Date: 2007-05-25



Site : 03CH06-HY
 Condition : HF-ANT(8-16)-060918 HORIZONTAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH132;5660MHz
 Data Rate : 12
 : Turbo mode

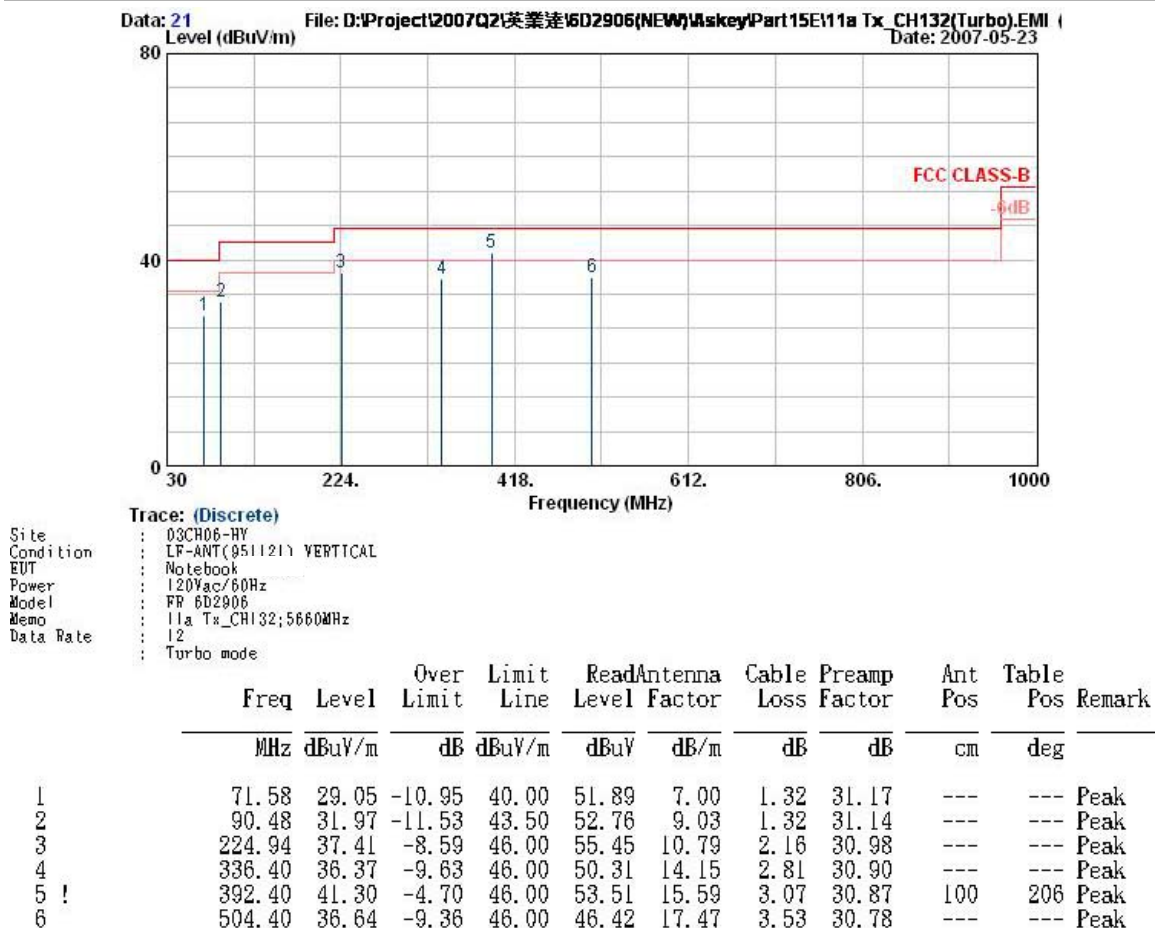
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1658.00	31.57	-22.43	54.00	36.64	27.43	3.03	35.53	100	325	Average
2	1658.00	57.63	-16.37	74.00	62.70	27.43	3.03	35.53	---	---	Peak
3	1994.00	34.33	-19.67	54.00	36.23	29.97	3.30	35.17	100	226	Average
4	1994.00	54.49	-19.51	74.00	56.39	29.97	3.30	35.17	---	---	Peak
5	2328.00	33.25	-20.75	54.00	34.74	30.23	3.69	35.40	100	168	Average
6	2328.00	52.15	-21.85	74.00	53.63	30.23	3.69	35.40	---	---	Peak
7	4208.00	48.07	-25.93	74.00	47.17	31.30	5.33	35.73	---	---	Peak
8 X	5660.00	106.15			101.38	33.77	6.89	35.90	100	0	Peak
9 @	5660.00	97.40			92.65	33.76	6.89	35.90	100	320	Average
10	5725.00	61.44	-12.56	74.00	56.57	33.82	6.90	35.86	---	---	Peak
11	6898.00	59.28	-14.72	74.00	50.03	37.24	7.76	35.75	100	0	Peak
12 !	6898.00	49.45	-4.55	54.00	40.20	37.24	7.76	35.75	100	266	Average
13	7668.00	45.59	-8.41	54.00	34.78	39.13	7.67	35.99	100	277	Average
14	7668.00	57.34	-16.66	74.00	46.53	39.13	7.67	35.99	---	---	Peak
15	11322.00	37.43	-36.57	74.00	73.97	-10.54	10.11	36.12	---	---	Peak
16	14112.00	37.95	-36.05	74.00	67.25	-6.21	11.65	34.73	---	---	Peak
17	16146.00	40.83	-33.17	74.00	69.43	-5.76	11.80	34.65	---	---	Peak

Remark: #8 and #9 Fundamental Signal

Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

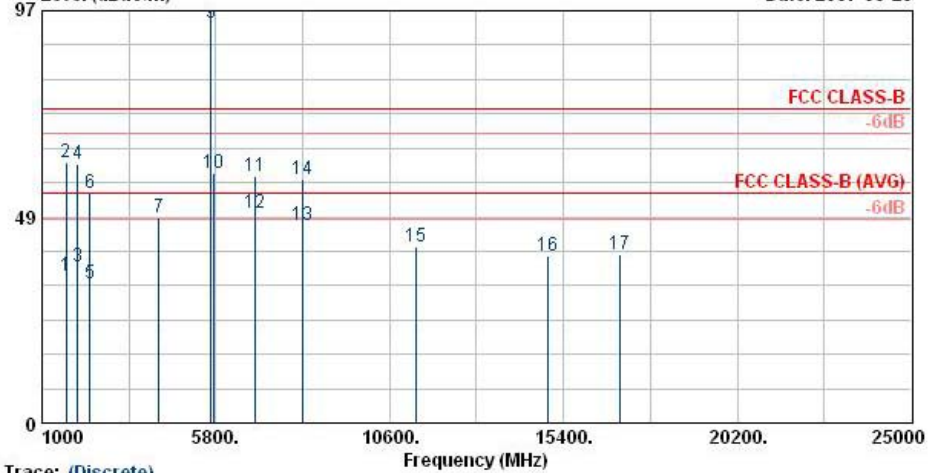
- Polarization : Vertical

■ The test that passed at minimum margin was marked by the boldface in the following table.



Remark: Frequency from 9KHz to 30MHz, the emission emitted by the EUT is too low to be measured.

Data: 22 File: D:\Project\2007Q2\美業達\6D2906(NEW)\Askey\Part15E\11a Tx_CH132(Turbo).EMI (Date: 2007-05-25



Site : 03CH06-HY
 Condition : HF-ANT(8-16)-060918 VERTICAL
 EUT : Notebook
 Power : 120Vac/60Hz
 Model : FR 6D2906
 Memo : 11a Tx_CH132;5660MHz
 Data Rate : 12
 Turbo mode

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1664.00	34.53	-19.47	54.00	39.60	27.43	3.03	35.53	100	266 Average
2	1664.00	61.30	-12.70	74.00	66.38	27.43	3.03	35.53	---	--- Peak
3	1994.00	36.72	-17.28	54.00	38.62	29.97	3.30	35.17	100	165 Average
4	1994.00	60.98	-13.02	74.00	62.89	29.97	3.30	35.17	---	--- Peak
5	2328.00	32.95	-21.05	54.00	34.44	30.23	3.69	35.40	100	306 Average
6	2328.00	54.03	-19.97	74.00	55.52	30.23	3.69	35.40	---	--- Peak
7	4218.00	48.29	-25.71	74.00	47.39	31.30	5.33	35.73	---	--- Peak
8 X	5660.00	102.38			97.61	33.77	6.89	35.90	100	0 Peak
9 @	5660.00	94.11			89.36	33.76	6.89	35.90	120	288 Average
10	5725.00	58.93	-15.07	74.00	54.06	33.82	6.90	35.86	---	--- Peak
11	6878.00	58.23	-15.77	74.00	49.10	37.15	7.73	35.75	100	0 Peak
12 !	6878.00	49.37	-4.63	54.00	40.24	37.15	7.73	35.75	100	265 Average
13	8208.00	46.38	-7.62	54.00	34.90	39.43	8.02	35.97	100	69 Average
14	8208.00	57.26	-16.74	74.00	45.77	39.43	8.02	35.97	---	--- Peak
15	11331.00	41.52	-32.48	74.00	78.12	-10.61	10.12	36.12	---	--- Peak
16	14976.00	39.38	-34.62	74.00	70.34	-6.22	11.27	36.01	---	--- Peak
17	16971.00	39.68	-34.32	74.00	72.89	-10.10	12.01	35.12	---	--- Peak

Remark: #8 and #9 Fundamental Signal

Remark: Frequency from 25GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

5.6.4 E.I.R.P. Power

Frequency (MHz)	Field Strength (dBuV/m)	EIRP (dBm)	Over Limit (dB)	Limit (EIPR dBm)
5350.00 MHz	60.09 dBuV/m	-39.91	-12.91	-27.00
5350.00 MHz	57.20 dBuV/m	-42.80	-15.80	-27.00
5470.00 MHz	66.29 dBuV/m	-33.71	-6.71	-27.00
5470.00 MHz	57.18 dBuV/m	-42.82	-15.82	-27.00
5725.00 MHz	70.07 dBuV/m	-29.93	-2.93	-27.00
5725.00 MHz	61.44 dBuV/m	-38.56	-11.56	-27.00

Remark: $EIRP = 10 * \log\left(\frac{10^{\left[\left(\frac{Field\ Strength - 120}{20}\right) * distance\right]^2 / \left(30 * 10^{\left(\frac{Antenna\ Gain}{10}\right)}\right)}}{0.001}\right)$

5.7 Band Edges Measurement

5.7.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.7.2 Test Procedure :

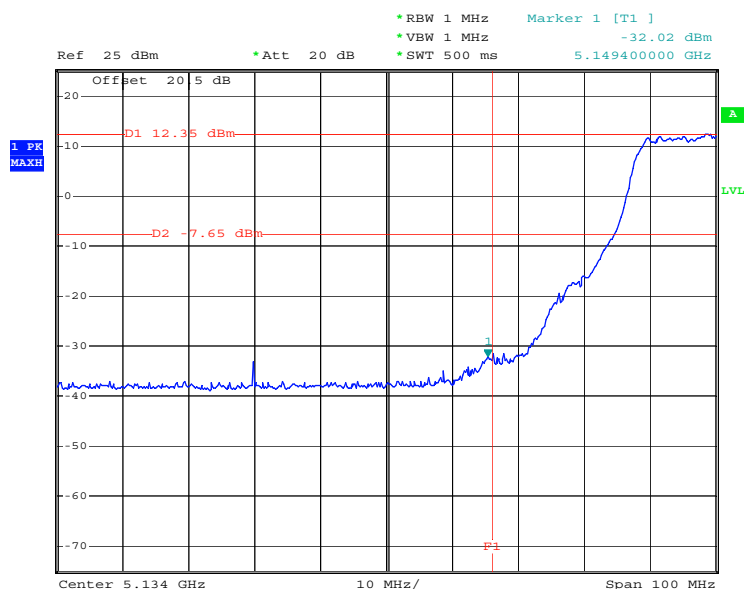
1. Set both RBW and VBW of spectrum analyzer to 1MHz with convenient frequency span including 1MHz bandwidth from band edge.
2. The band edges was measured and recorded.

5.7.3 Test Result :

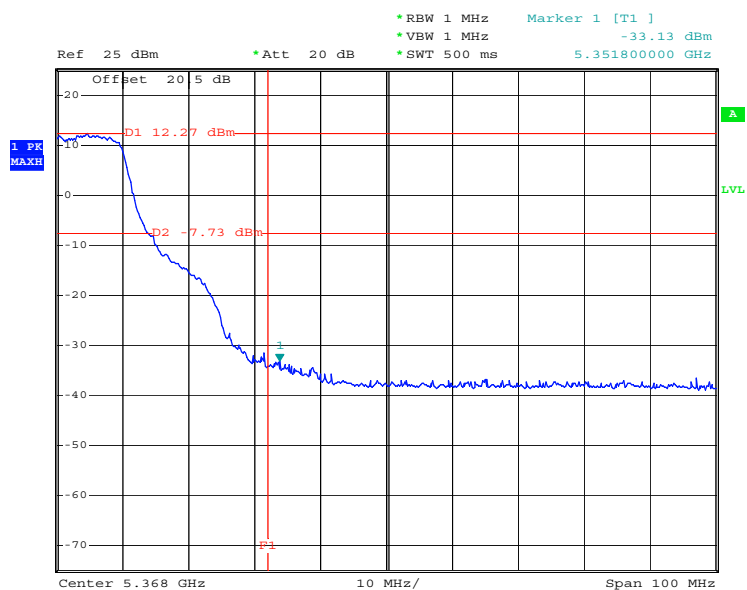
- Temperature : 26
- Relative Humidity :59%

Test Result Mode		Verdict
Test Result for 802.11a band I,II	:	PASS
Test Result for 802.11a band III	:	PASS

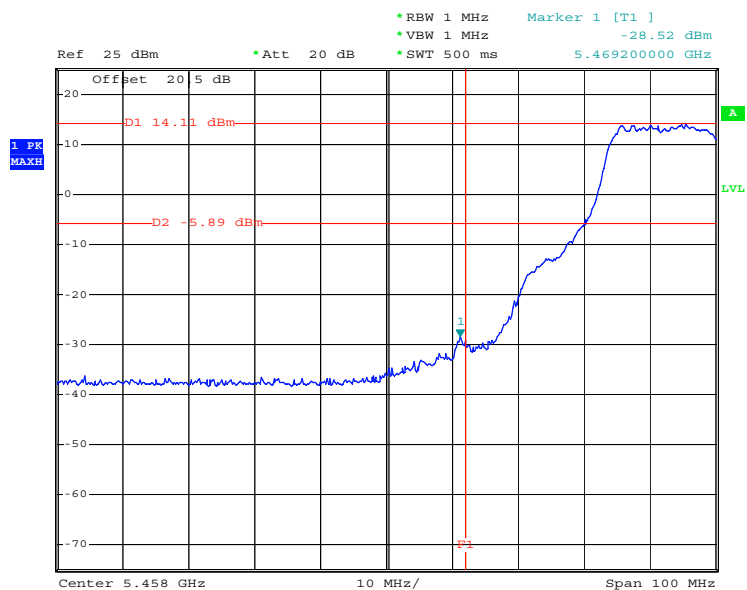
5.7.4 Test Data



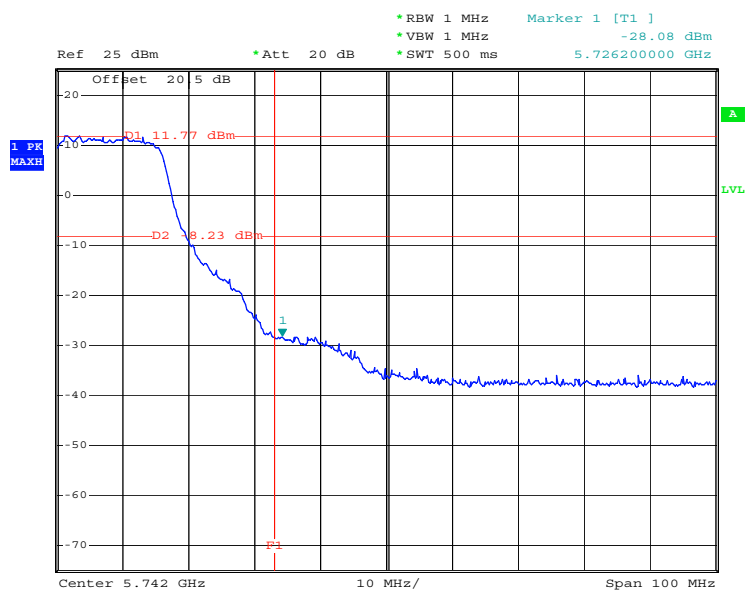
802.11a CH36



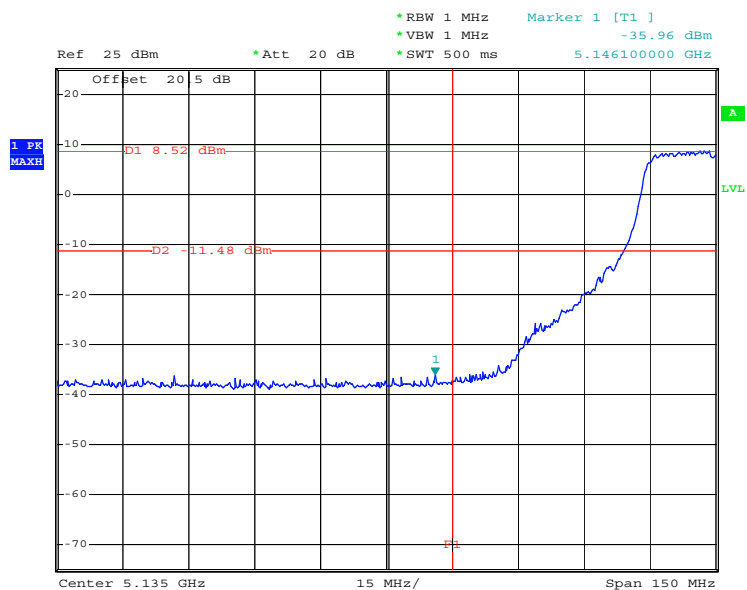
802.11a CH64



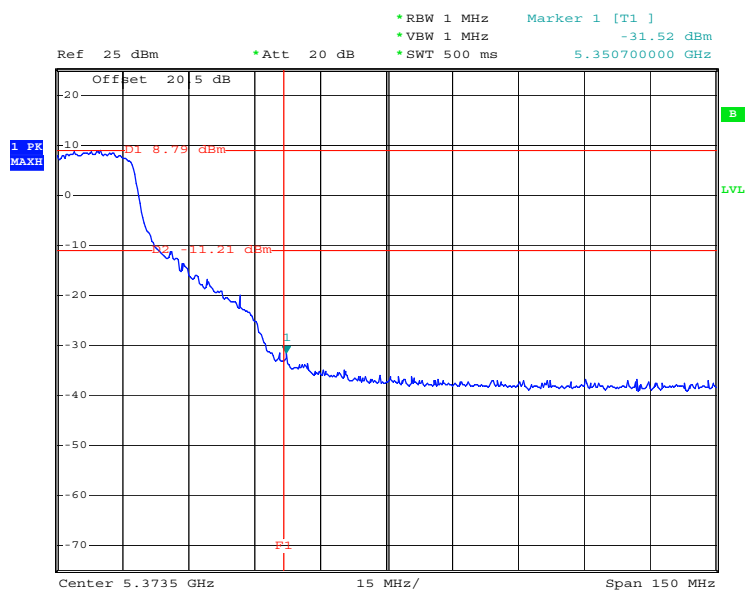
802.11a CH100



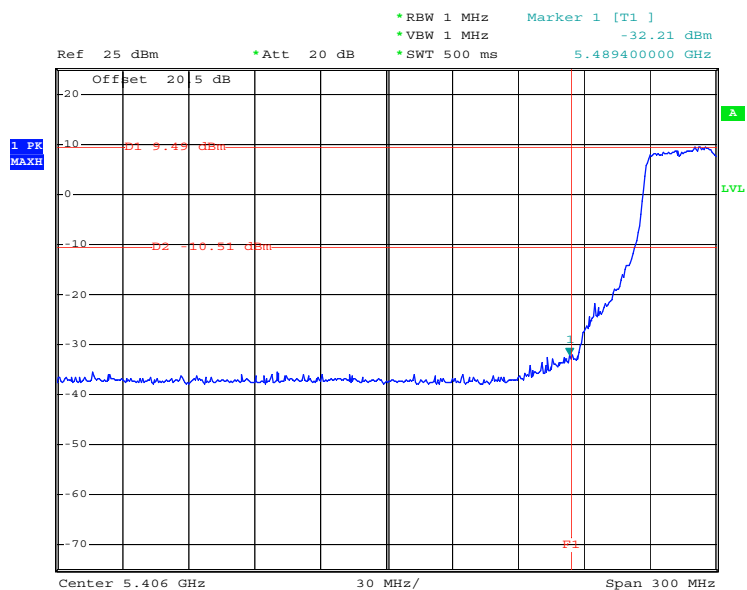
802.11a CH140



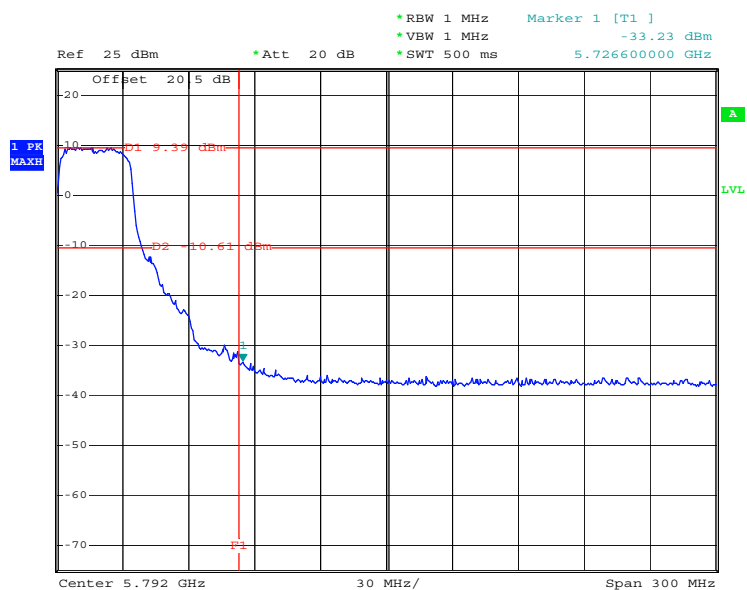
802.11a CH42



802.11a CH58



802.11a CH108



802.11a CH132

5.8 Peak Excursion Ratio Measurement

5.8.1 Measuring Instruments :

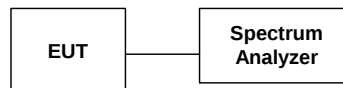
As described in chapter 6 of this test report.

5.8.2 Test Procedure :

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to and maintained at 1 MHz. The video bandwidth is set to 3 MHz. Trace A is set peak detector and to Max Hold, then to View. Then the detector is readjusted to sample detector, trace average 100 traces in power averaging mode, and the signal under this measurement condition is captured in Trace B in Accordance with the method 1 of DA-02-2138.

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.

5.8.3 Test Setup Layout :



5.8.4 Test Result :

- Temperature : 26
- Relative Humidity :59%

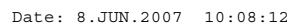
➤ Application: 802.11a Normal mode

Channel	Frequency (MHz)	Peak Excursion (dB)	Limits (dB)	Mode Ref. No.
52	5260	12.65	13	1
64	5320	12.51	13	2
100	5500	12.77	13	3
120	5600	12.28	13	4
140	5700	12.38	13	5

➤ Application: 802.11a Turbo mode

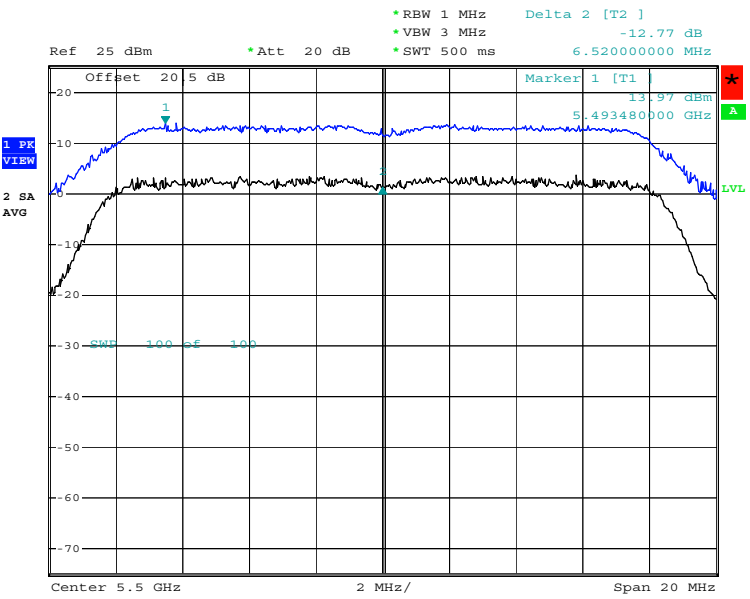
Channel	Frequency (MHz)	Peak Excursion (dBm)	Limits (dBm)	Mode Ref. No.
50	5250	12.88	13	6
58	5290	12.58	13	7
108	5540	12.58	13	8
124	5620	12.78	13	9
132	5660	12.83	13	10

1



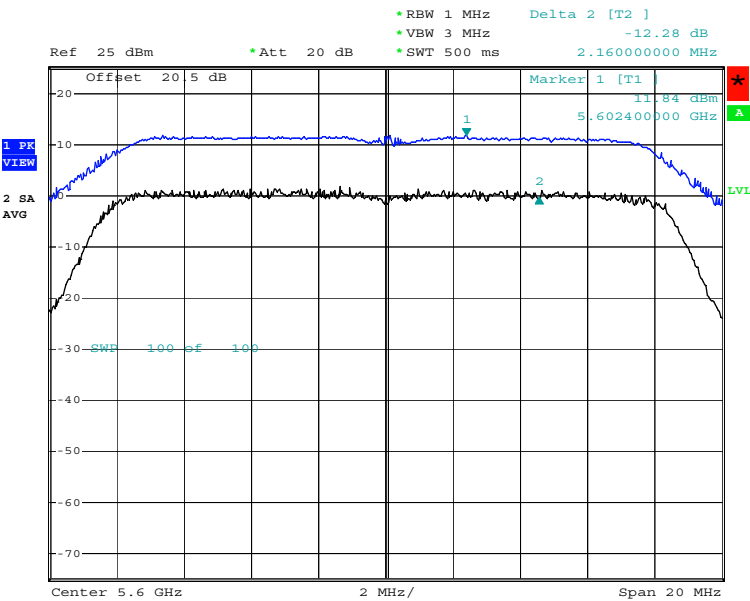
Page No. : 81 of 92
Report Issued Date : Jun. 29, 2007
Report Version : 08

3



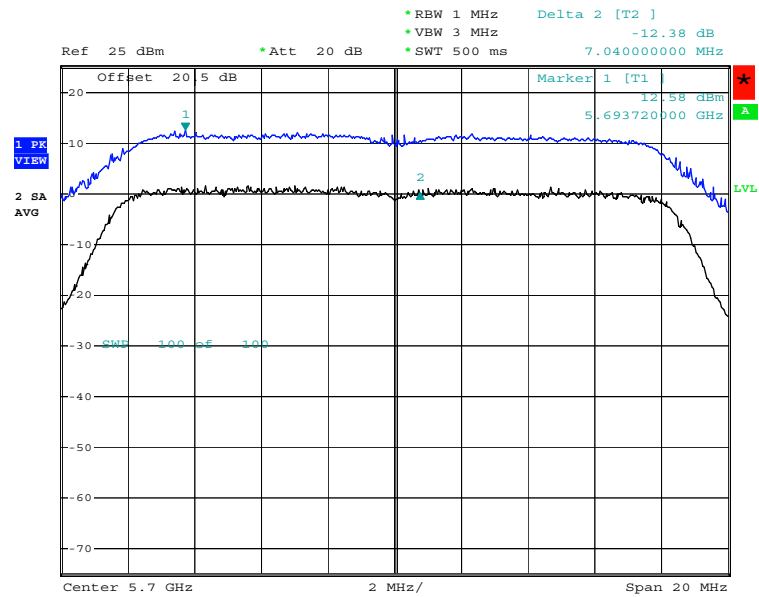
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4



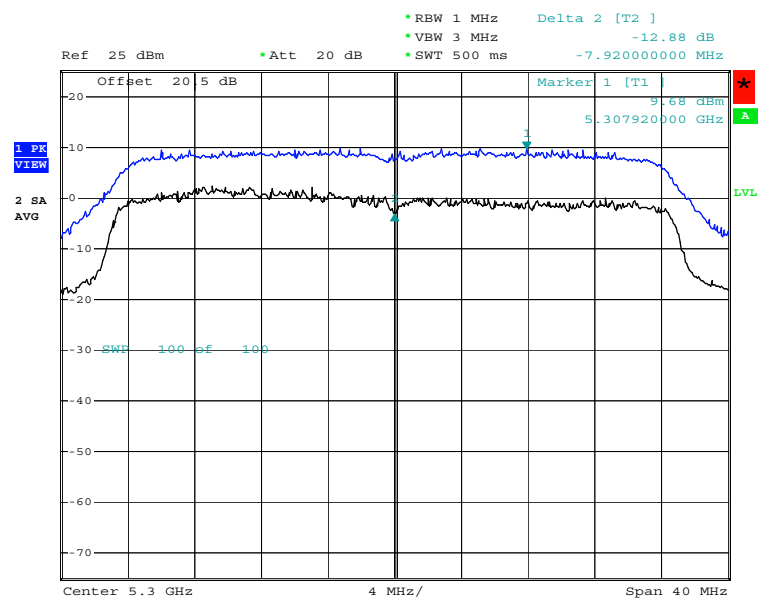
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5



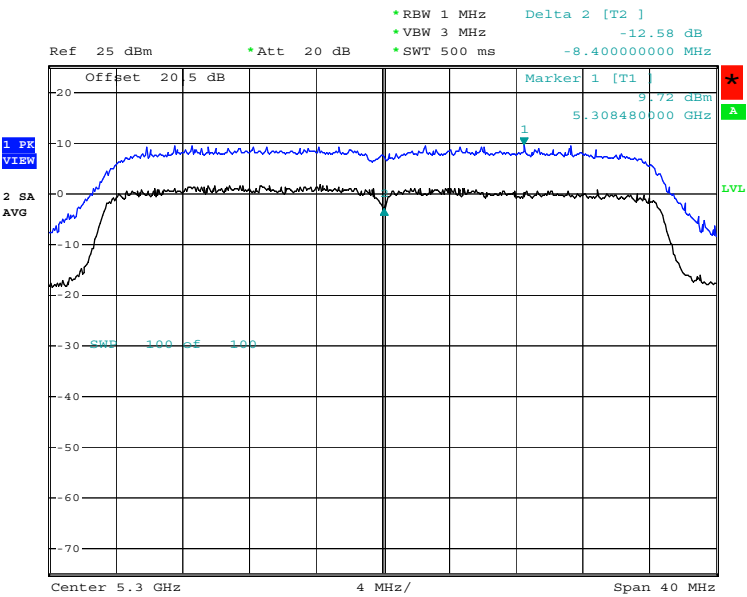
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6



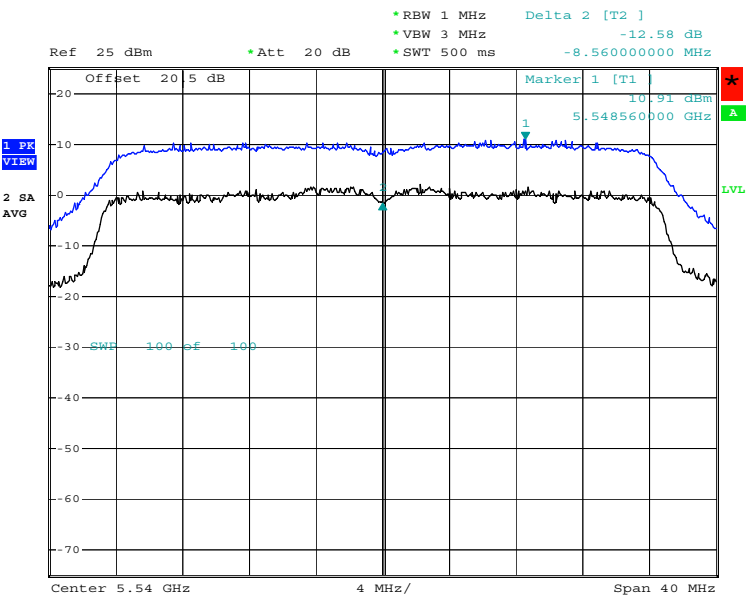
Date: 8.JUN.2007 11:04:09

7



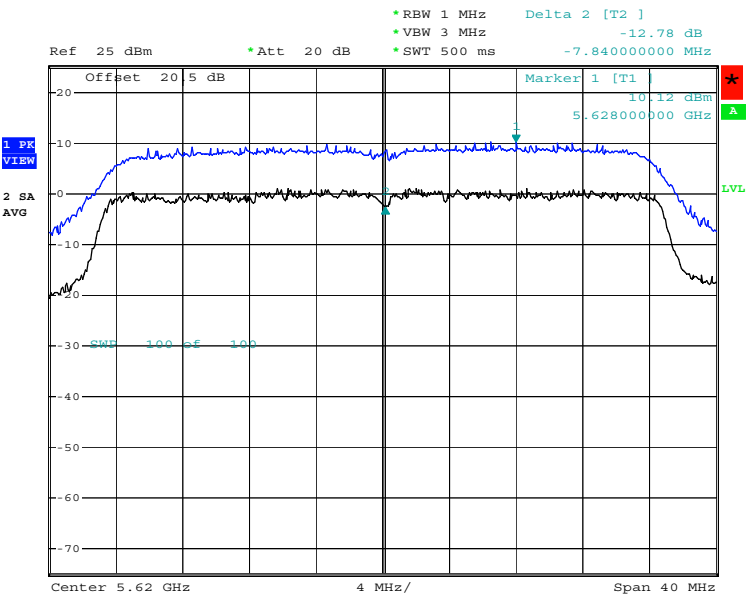
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8



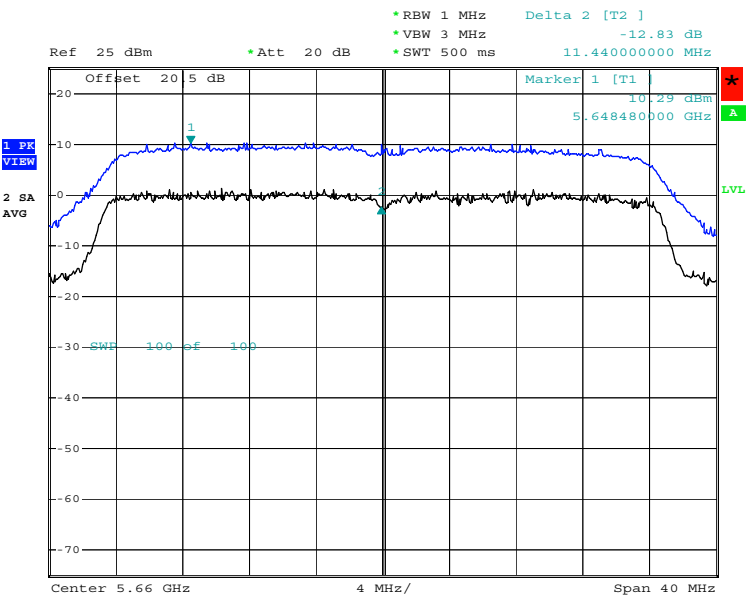
Date: 8.JUN.2007 11:06:04

9



Date: 8.JUN.2007 11:11:31

10



Date: 8.JUN.2007 11:16:58

5.9 Frequency Stability

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.

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. 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.

Normal mode

Frequency(MHz)	Low Frequency (Fl)	High Frequency (Fh)	Center Frequency (Fc)	Frequency Stability (ppm)
5260	5251.76	5268.40	5260.08	0.01
5320	5311.76	5328.40	5320.08	0.01
5500	5491.72	5508.40	5500.06	0.01
5600	5591.72	5608.40	5600.06	0.01
5700	5691.72	5708.40	5700.06	0.01

Turbo mode

Frequency(MHz)	Low Frequency (Fl)	High Frequency (Fh)	Center Frequency (Fc)	Frequency Stability (ppm)
5250	5266.64	5233.44	5250.04	0.00
5300	5283.52	5316.64	5300.08	0.01
5540	5523.52	5556.64	5540.08	0.01
5620	5603.52	5636.72	5620.12	0.01
5660	5643.52	5676.64	5660.08	0.01

5.10 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 .

5.11 Antenna Requirements

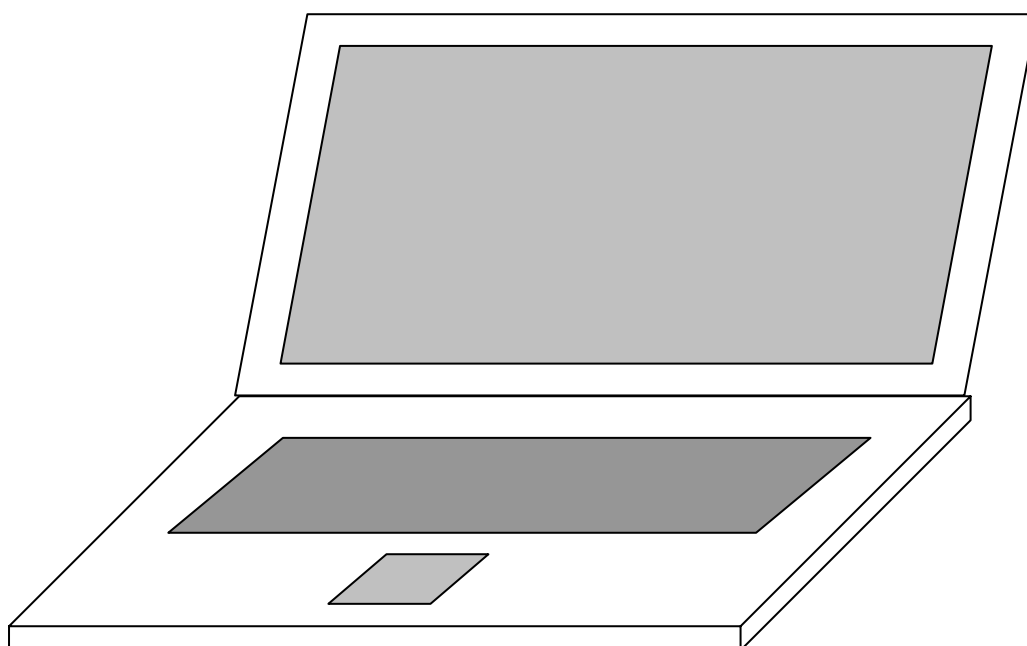
The EUT meets antenna requirement of FCC for the following reasons.

5.11.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antennas of directional gain greater than 6 dBi are used, 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.

5.11.2 Antenna Connected Construction

The antenna used in this product is PIFA for both WLAN and BT. The connector is I-PEX on antenna port and it is considered to meet antenna requirement of FCC.



5 List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100359	9kHz – 2.75GHz	Mar. 01, 2007	Mar. 01, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2007	Mar. 31, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2007	Mar. 22, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2007	Apr. 20, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO04-HY)
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	10094	1G~18G	Dec. 26, 2006	Dec. 25, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Base Station Simulator	R & S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	26.5GHz - 40GHz	Jan. 22, 2007	Jan. 22, 2008	Radiation (03CH06-HY)
Spectrum	R&S	FSP40	100055	9KHz – 40GHz	Jun. 23, 2006	Jun. 23, 2007	Radiation (03CH06-HY)

3m Semi Anechoic	TDK	SAC-3M	03CH04-HY	30 MHz - 1 GHz 3m	Oct. 30, 2006	Oct. 30, 2007	Radiation (03CH04-HY)
Amplifier	Schaffner	CPA9231A	3564	9 kHz - 2 GHz	Aug.31, 2006	Aug.31, 2007	Radiation (03CH04-HY)
Spectrum Analyzer	R&S	FSP7	100641	9 kHz – 7GHz	Sep. 08, 2006	Sep. 08, 2007	Radiation (03CH04-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2724	30 MHz - 1 GHz	Aug. 14, 2006	Aug. 14, 2007	Radiation (03CH04-HY)
Turn Table	HD	Deis HD 2000	420/610	0 - 360 degree	N/A	N/A	Radiation (03CH04-HY)
Antenna Mast	Chaintek	3000		1 m - 4 m	N/A	N/A	Radiation (03CH04-HY)
RF Cable-R03m	Suhner Switzerland +	RG223/U +RG8/U	CB024	30 MHz - 1 GHz	Sep. 21, 2006	Sep. 21, 2007	Radiation (03CH04-HY)

6 Uncertainty of Test Site

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 Spec	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-shaped	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=1)	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 = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty Uc(y)	2.36				
Measuring uncertainty for a level of confidence of 95% U=2Ue(y)	4.72				

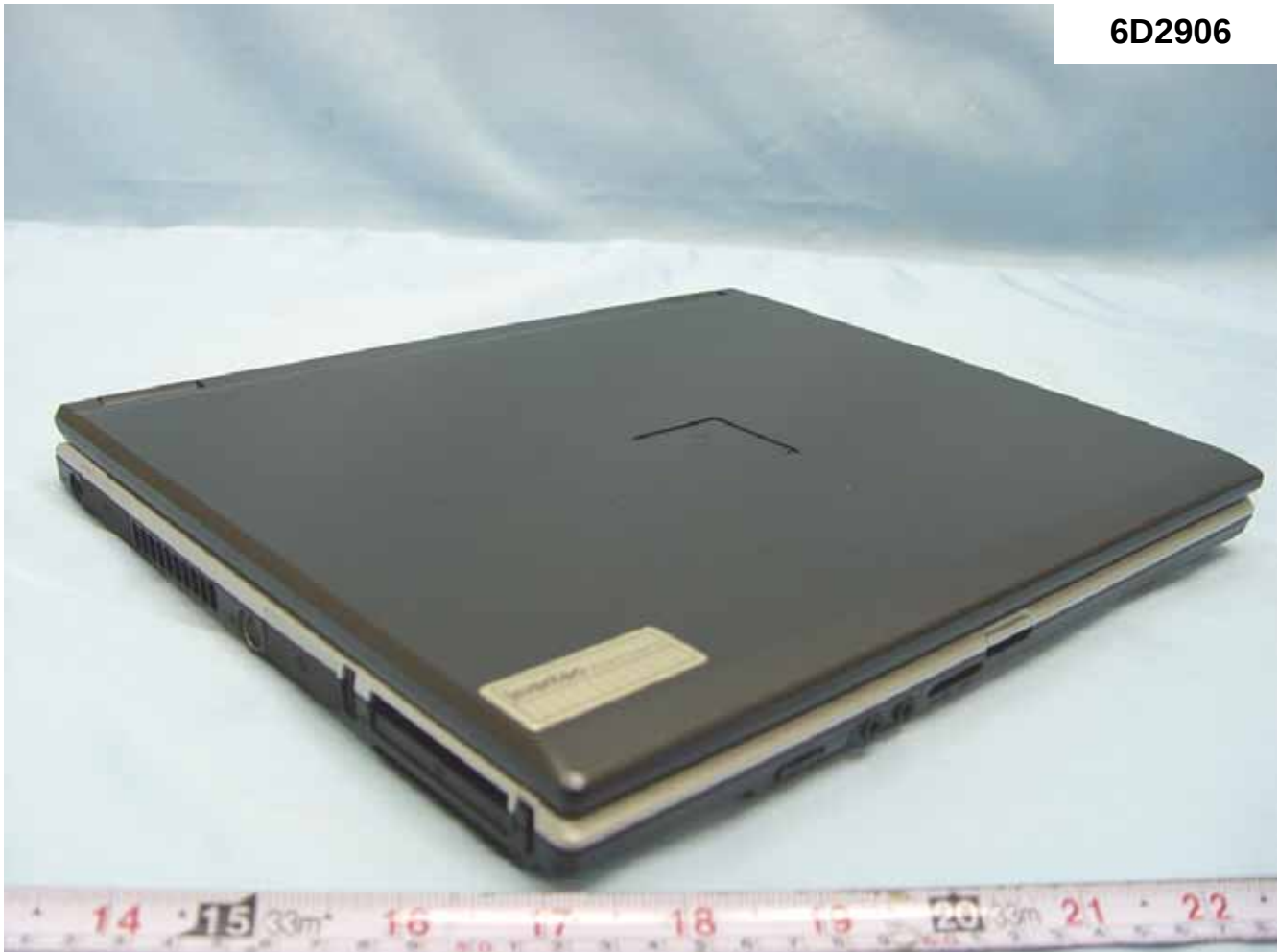


APPENDIX A. External Photographs of EUT





6D2906





6D2906





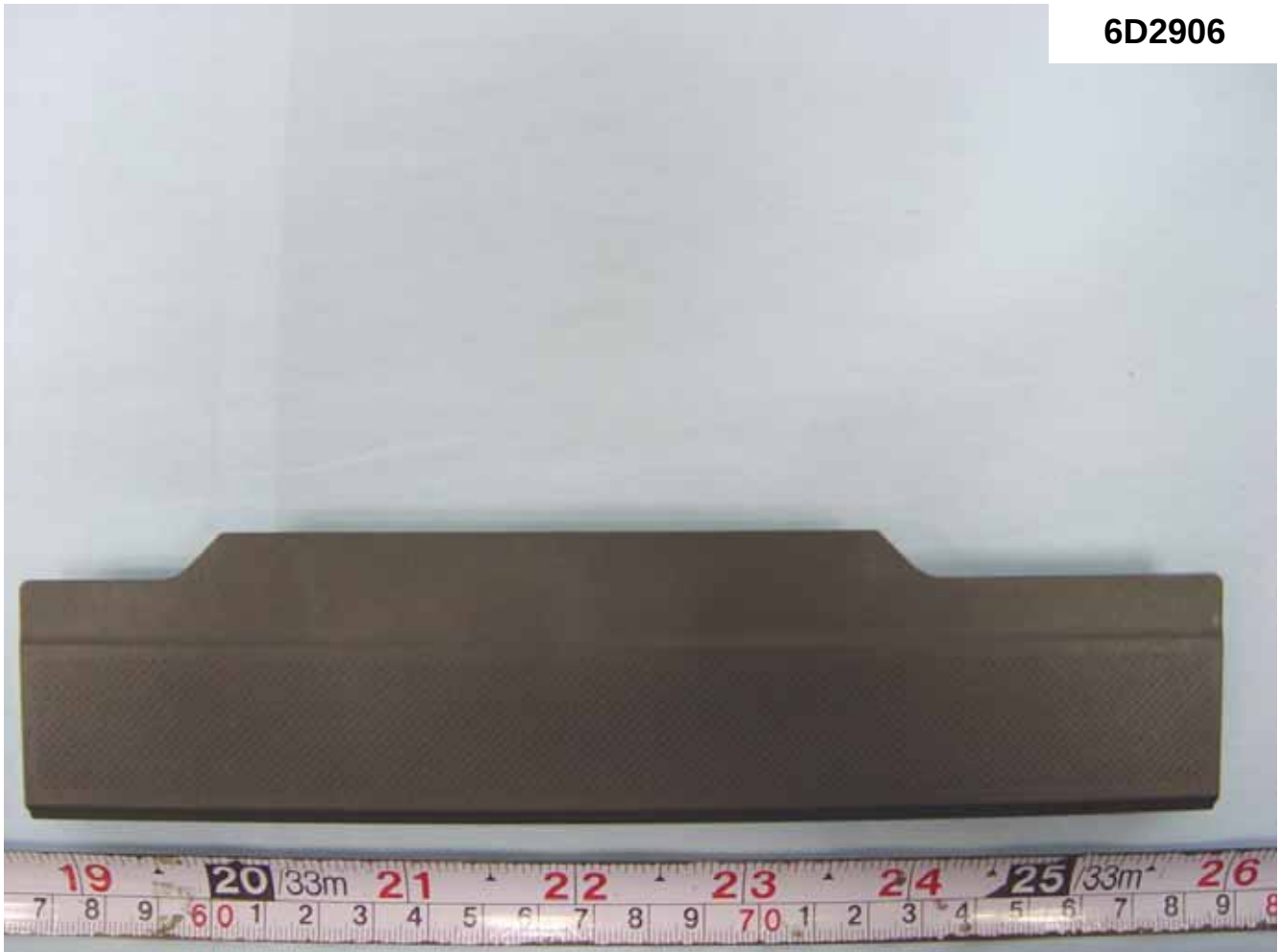
6D2906



6D2906



6D2906





6D2906





6D2906





6D2906





6D2906





6D2906





APPENDIX B. Internal Photographs of EUT

6D2906





6D2906





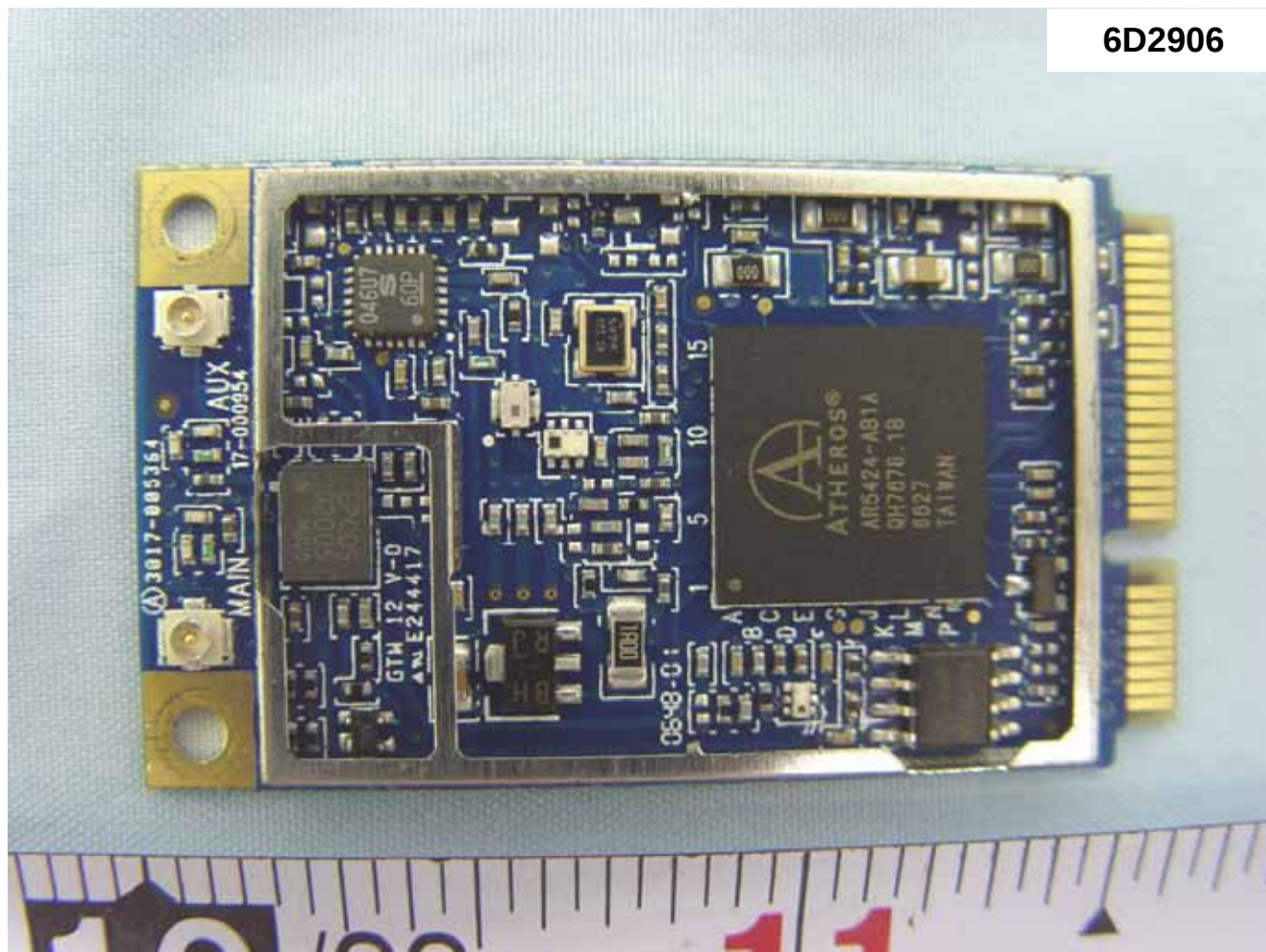


6D2906



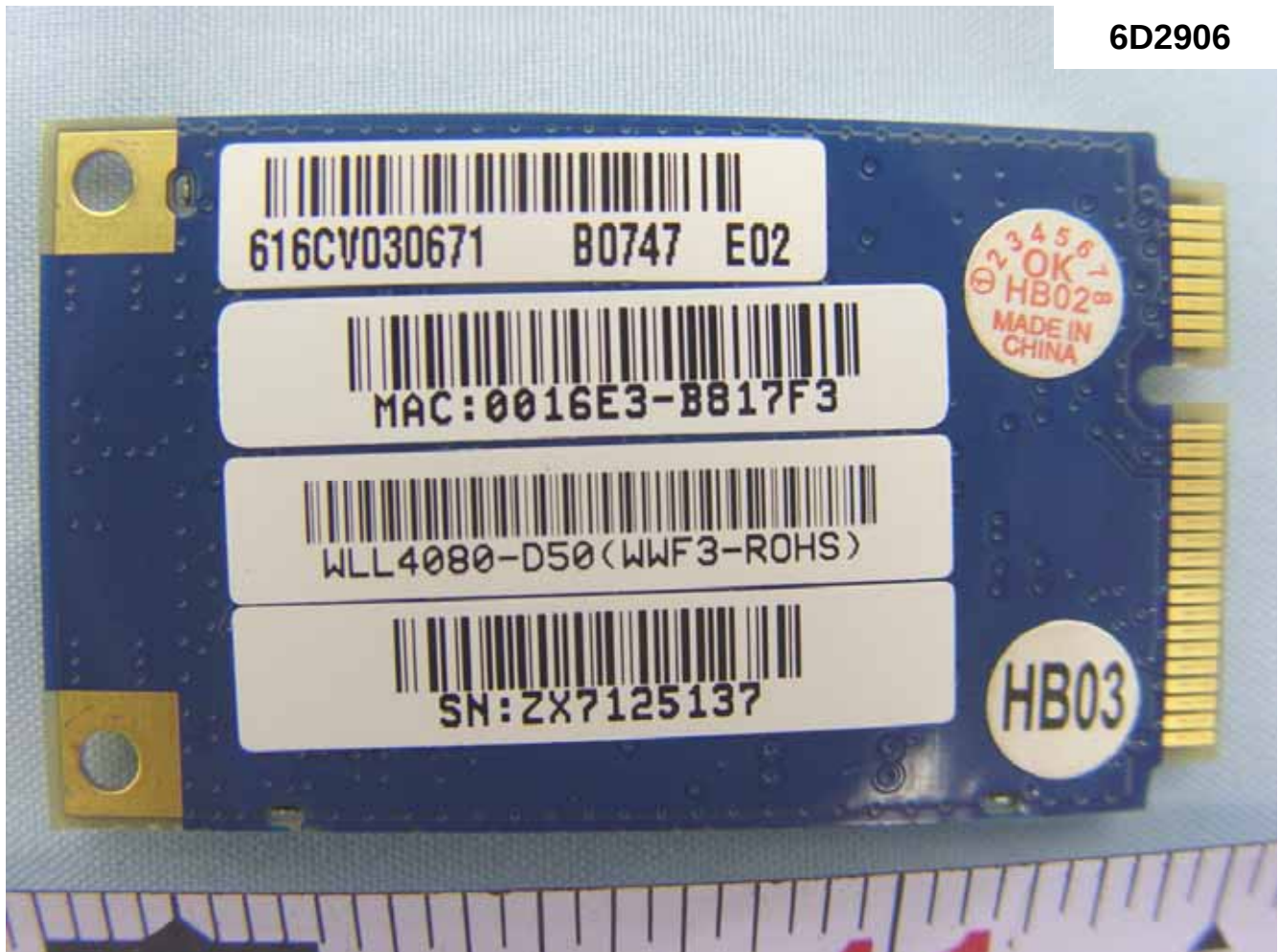


6D2906





6D2906





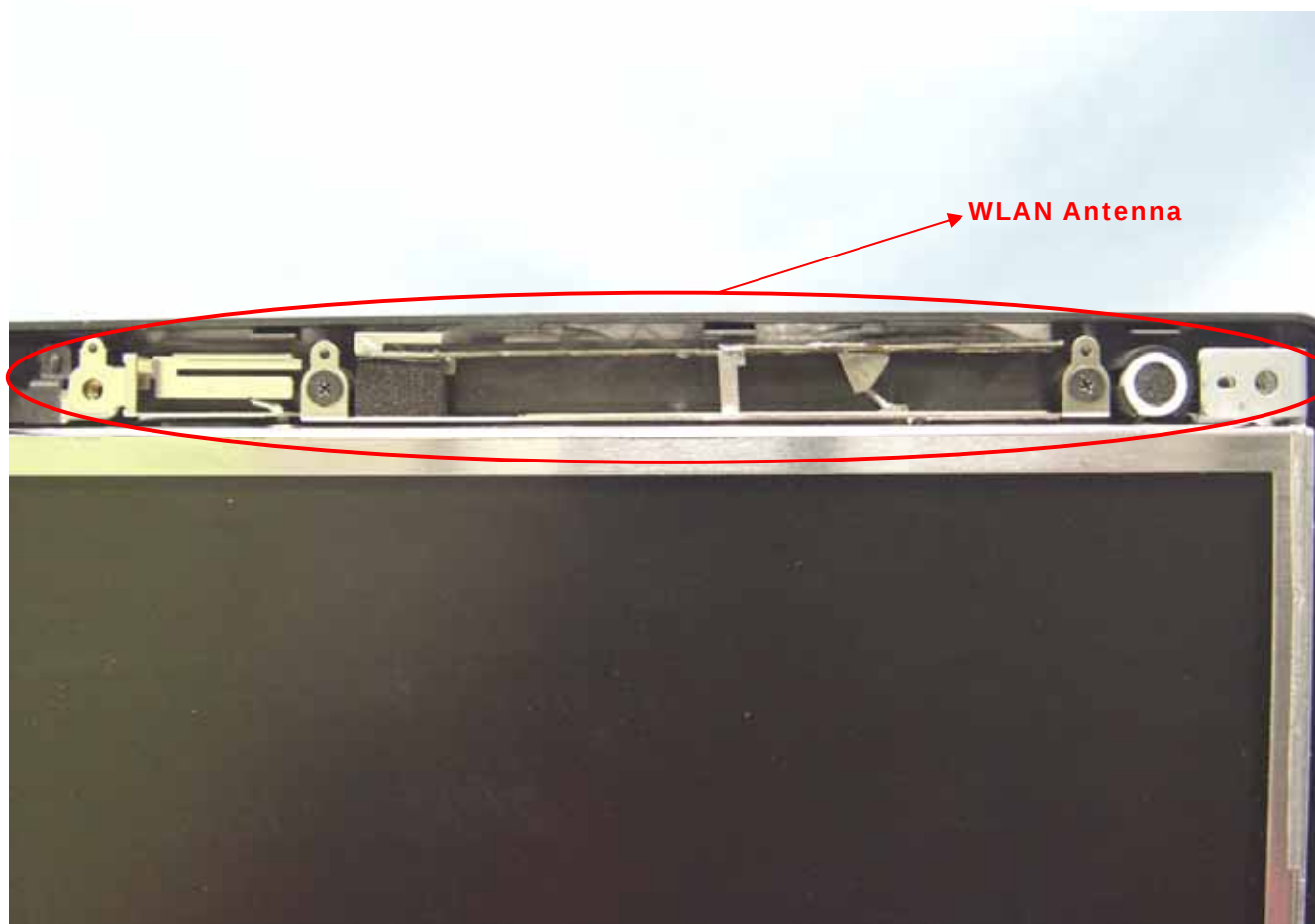


6D2906



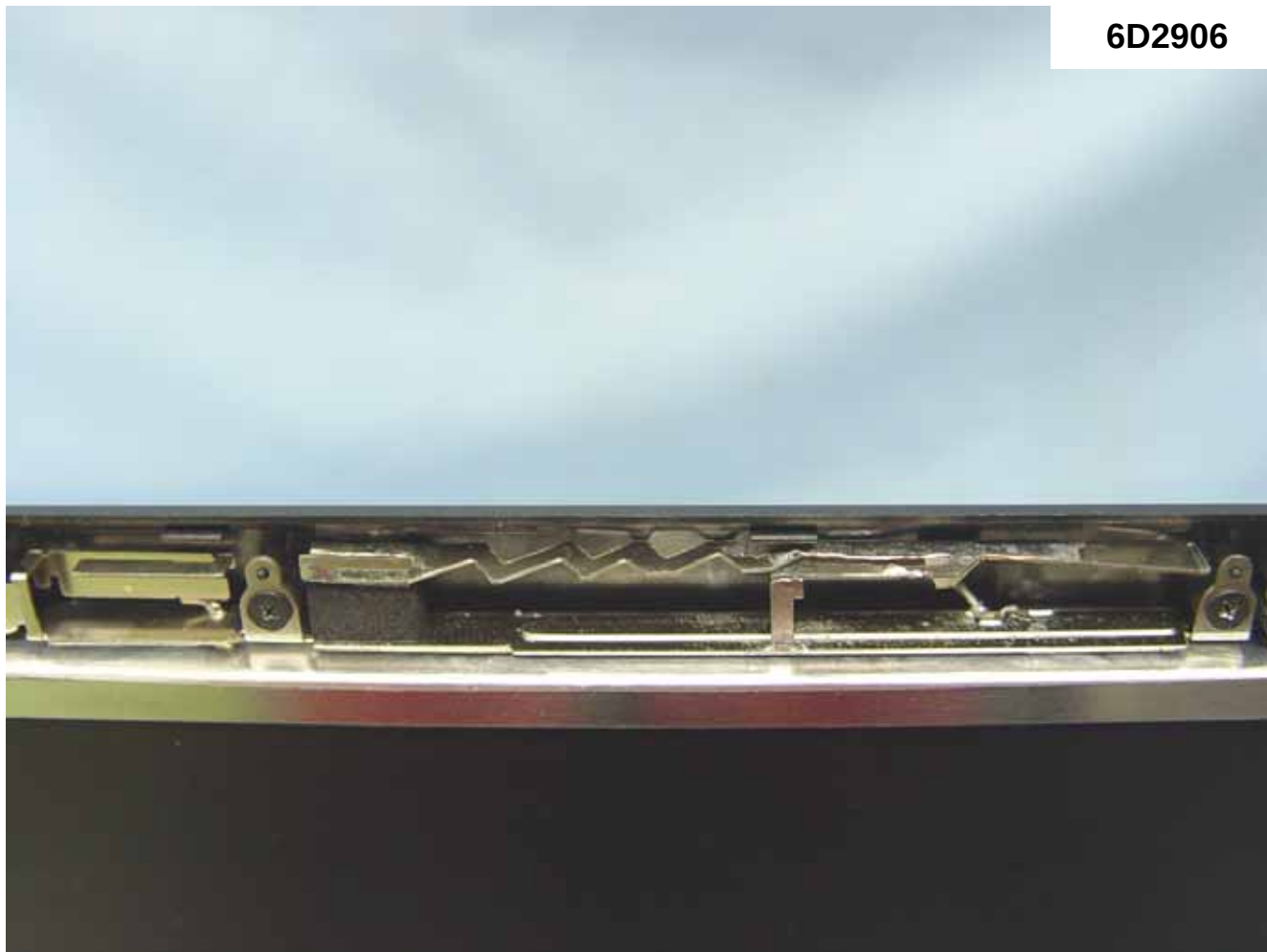


6D2906





6D2906





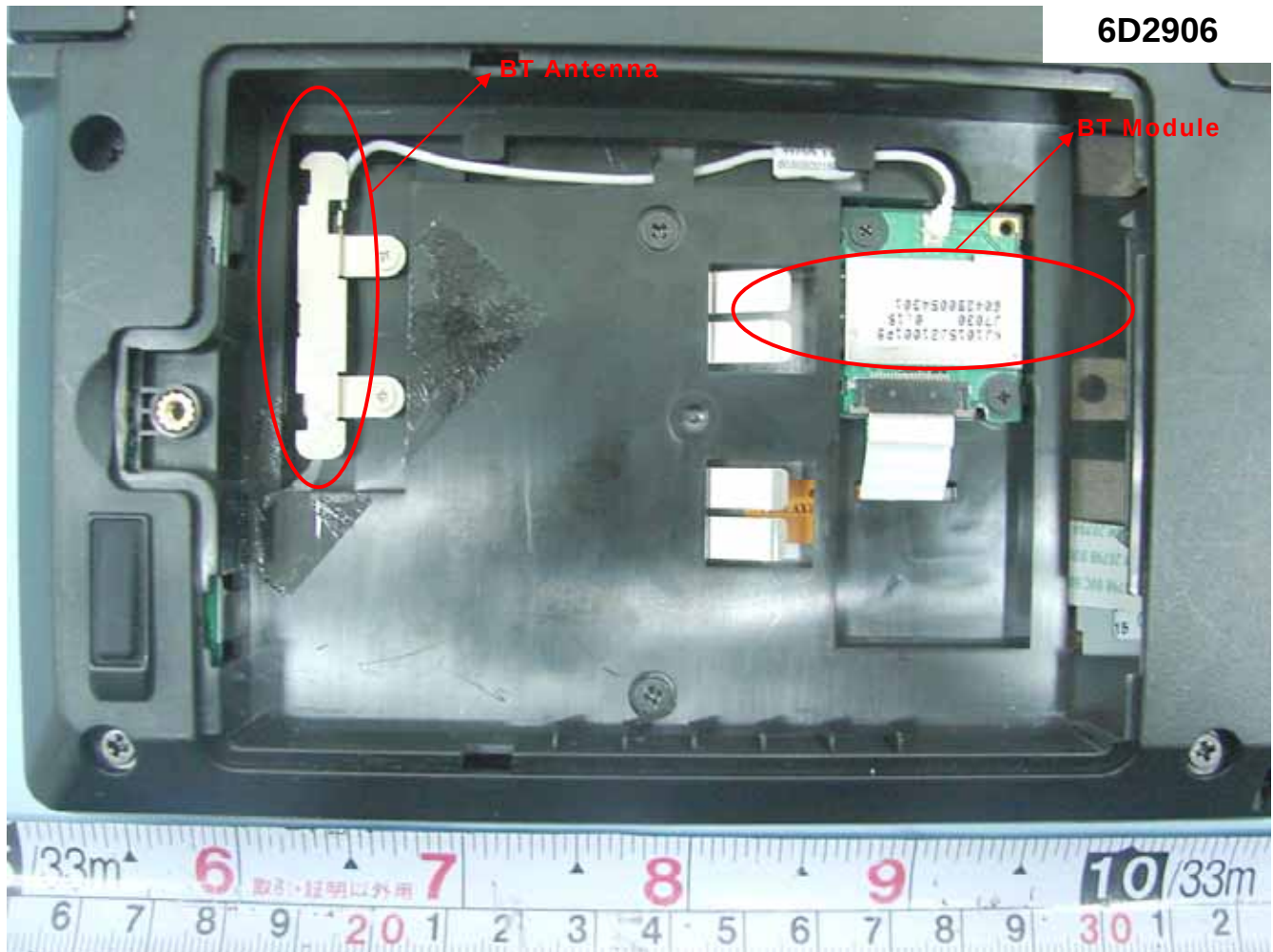
6D2906





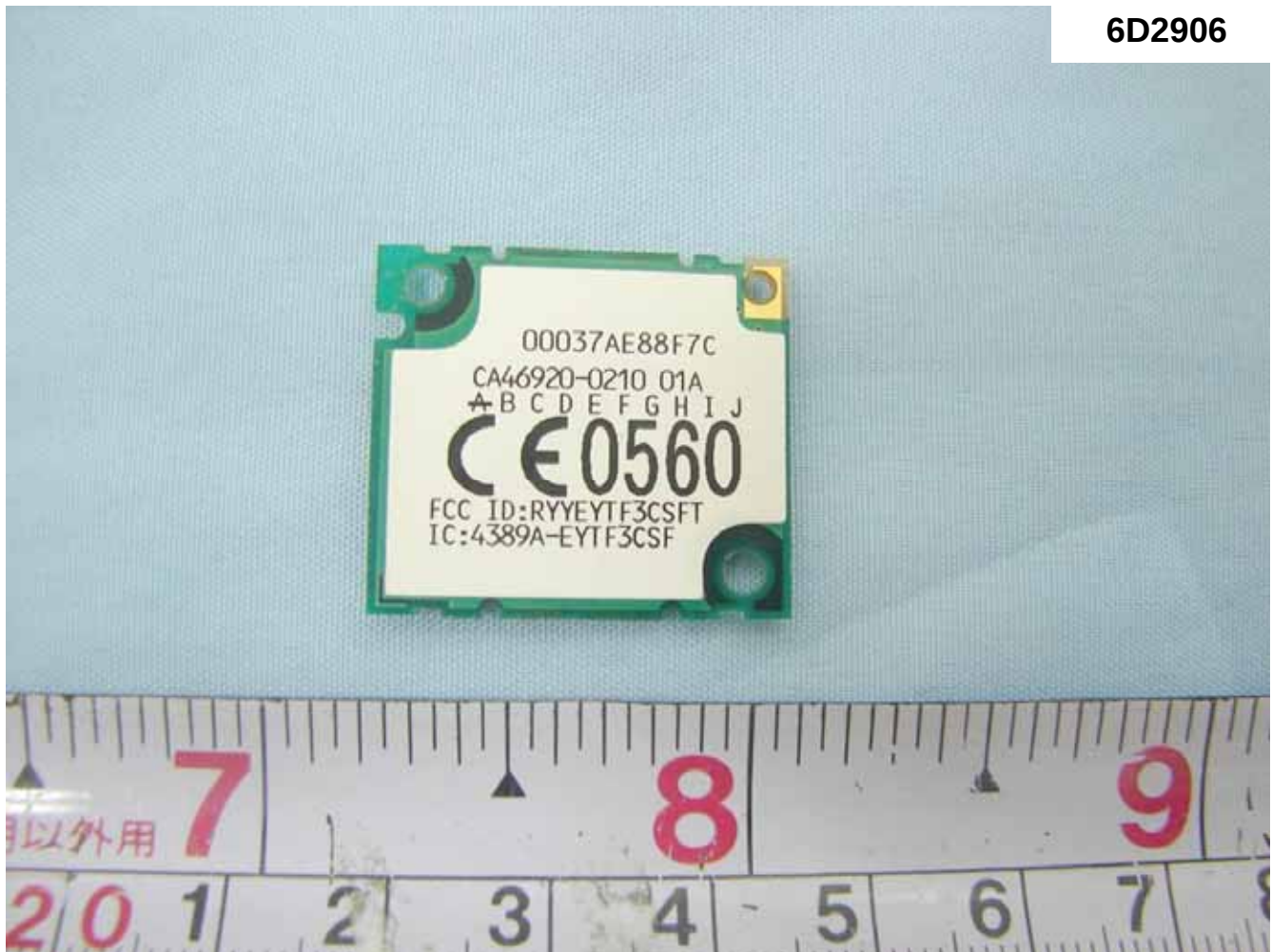
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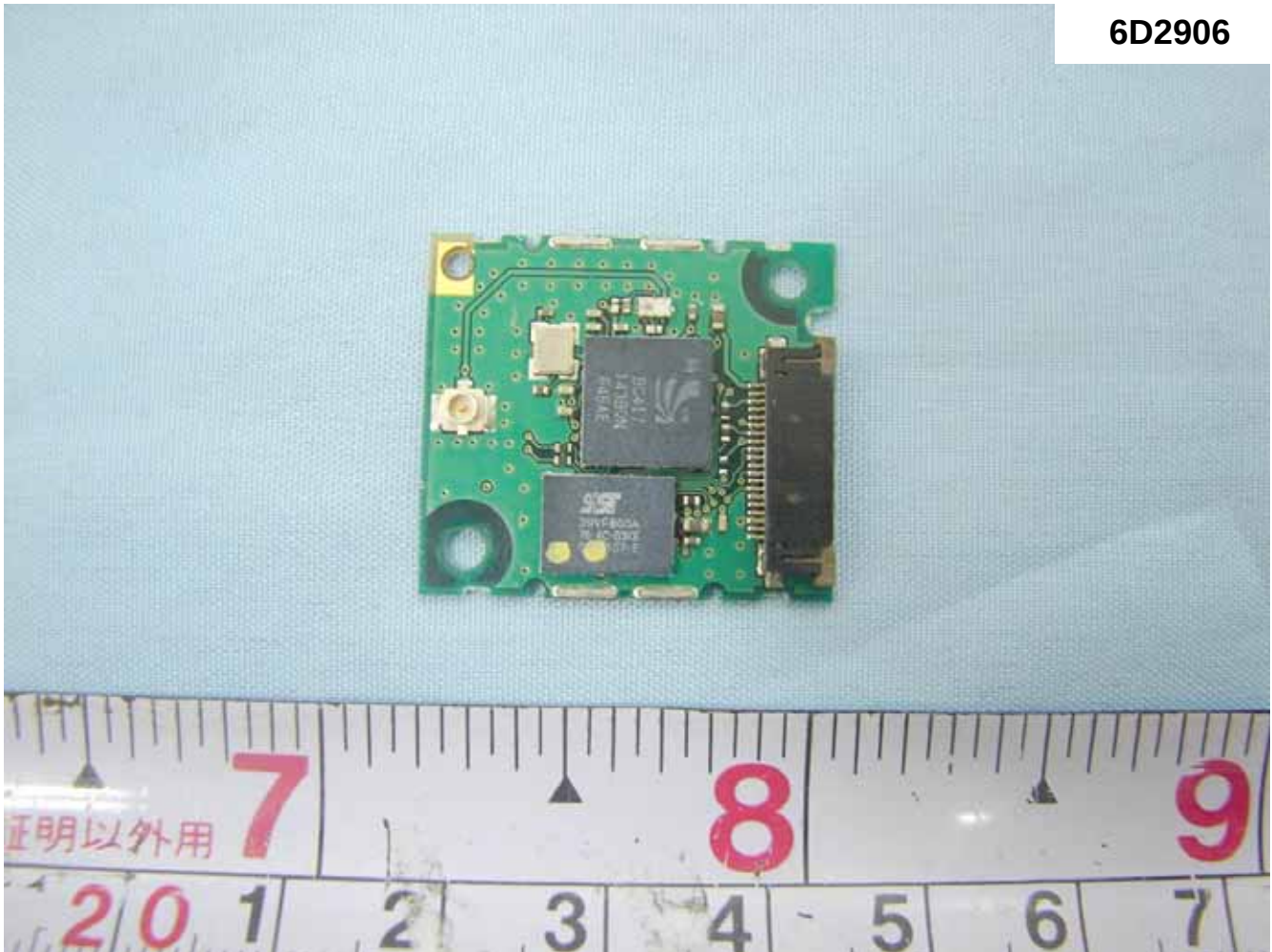


6D2906



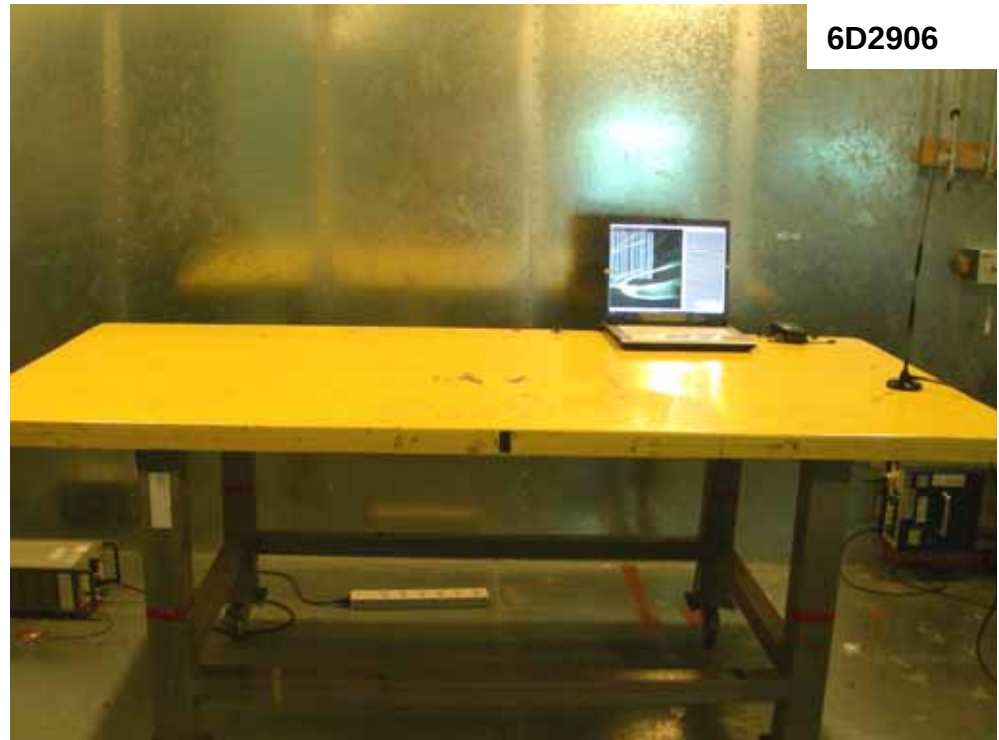


6D2906

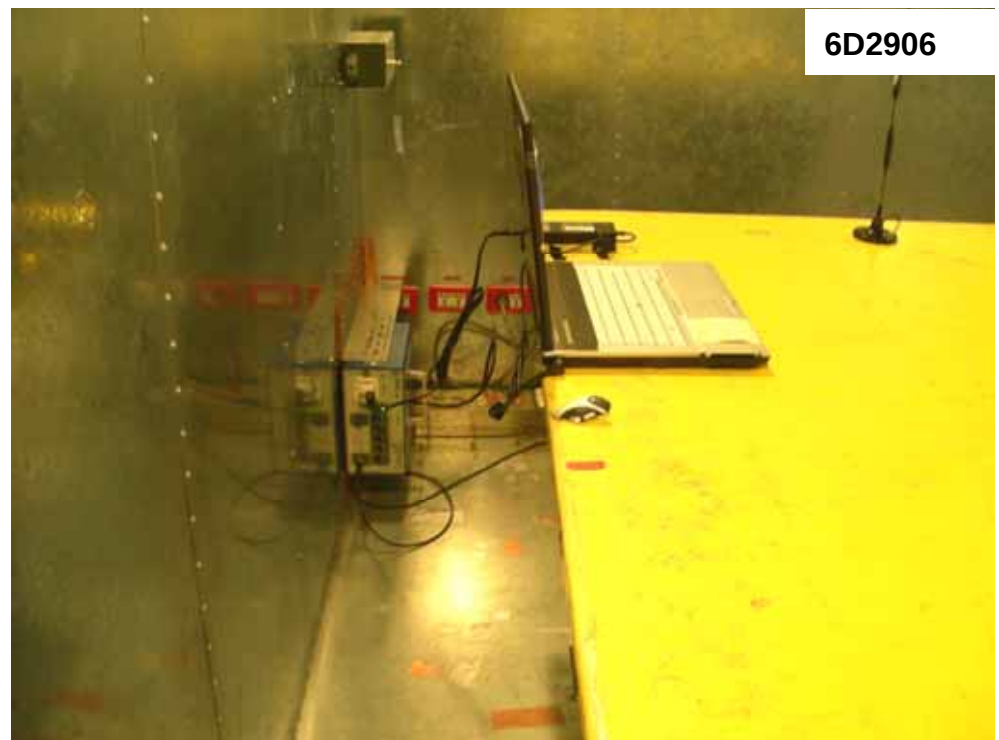


Appendix C. Set up Photograph Conducted Emission

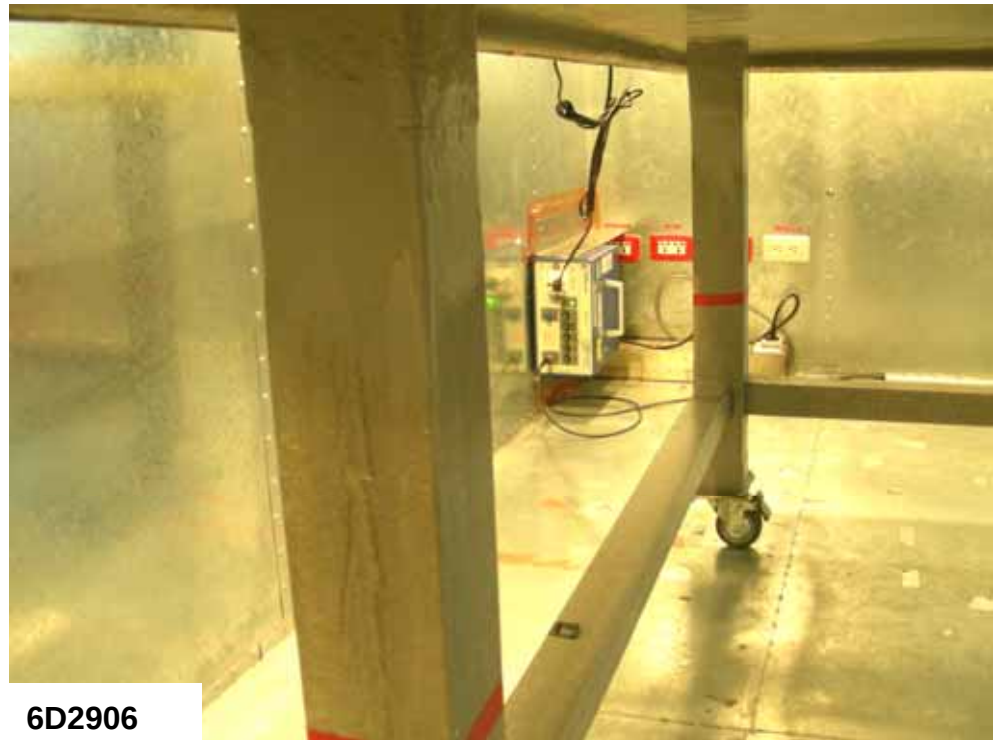
FRONT VIEW



REAR VIEW



SIDE VIEW

**6D2906**

Radiation Emission

FRONT VIEW



REAR VIEW

