



Appendix B. Test data of HW version, AP

B1. Details of Tested Sample (EUT) Information

Below EUT sample is used to test.

EUT Serial Number	IMEI : 0044002146647726 S/N : QO3430C17669
H/W :	AP
S/W :	16.0.A.0.14

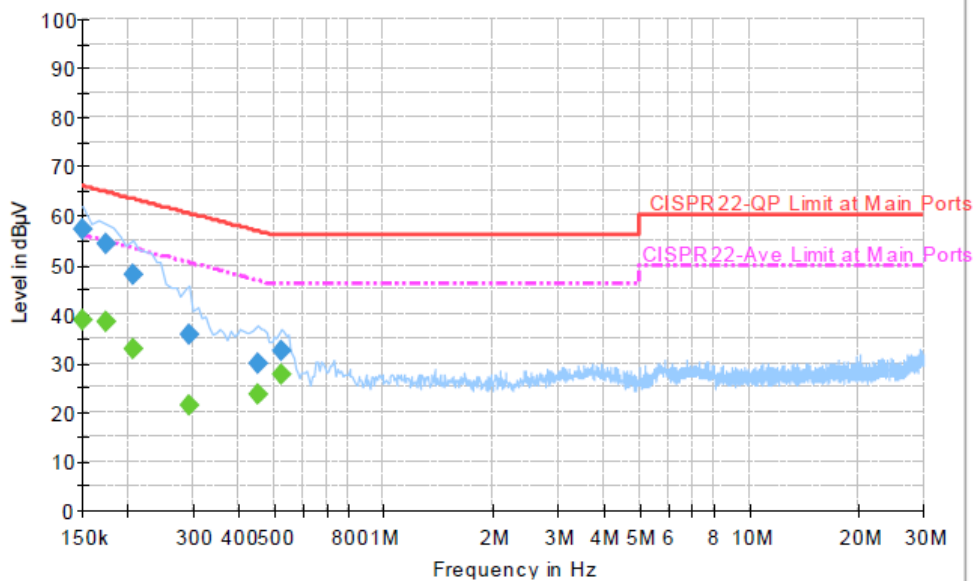
Remark:

1. The EUT was regression test by using hardware version AP, when EUT was modified on digital circuitry, and the difference between HW versions can be referred to the Product Equality Declaration as Appendix A. All the test cases were performed against SP sample. In this appendix the worst cases of test configuration found in SP sample were chosen to verify the AP sample, to show the conformity of this model.
2. The test condition and procedures for AC Conducted Emissions and Radiated Emissions can be referred to the section 3.1 and 3.2 of this report.

B2. Test Result

B2.1. Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22°C
Test Engineer :	Slash Huang	Relative Humidity :	45~47%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Data Link with Notebook		



Final Result : Quasi-Peak

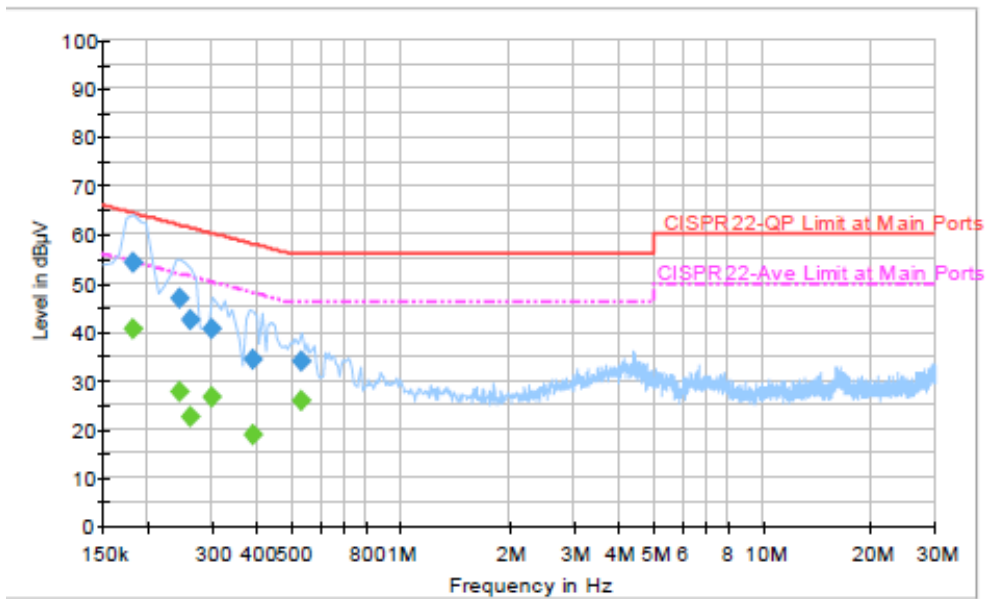
Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	57.2	Off	L1	19.4	8.8	66.0
0.174000	54.2	Off	L1	19.4	10.6	64.8
0.206000	48.1	Off	L1	19.4	15.3	63.4
0.294000	35.7	Off	L1	19.4	24.7	60.4
0.454000	30.0	Off	L1	19.3	26.8	56.8
0.526000	32.5	Off	L1	19.4	23.5	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	38.6	Off	L1	19.4	17.4	56.0
0.174000	38.3	Off	L1	19.4	16.5	54.8
0.206000	32.8	Off	L1	19.4	20.6	53.4
0.294000	21.4	Off	L1	19.4	29.0	50.4
0.454000	23.6	Off	L1	19.3	23.2	46.8
0.526000	27.8	Off	L1	19.4	18.2	46.0



Test Mode :	Mode 1	Temperature :	20~22°C
Test Engineer :	Slash Huang	Relative Humidity :	45~47%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Data Link with Notebook		



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	54.2	Off	N	19.4	10.2	64.4
0.246000	47.0	Off	N	19.4	14.9	61.9
0.262000	42.5	Off	N	19.4	18.9	61.4
0.302000	40.7	Off	N	19.4	19.5	60.2
0.390000	34.3	Off	N	19.4	23.8	58.1
0.534000	33.8	Off	N	19.4	22.2	56.0

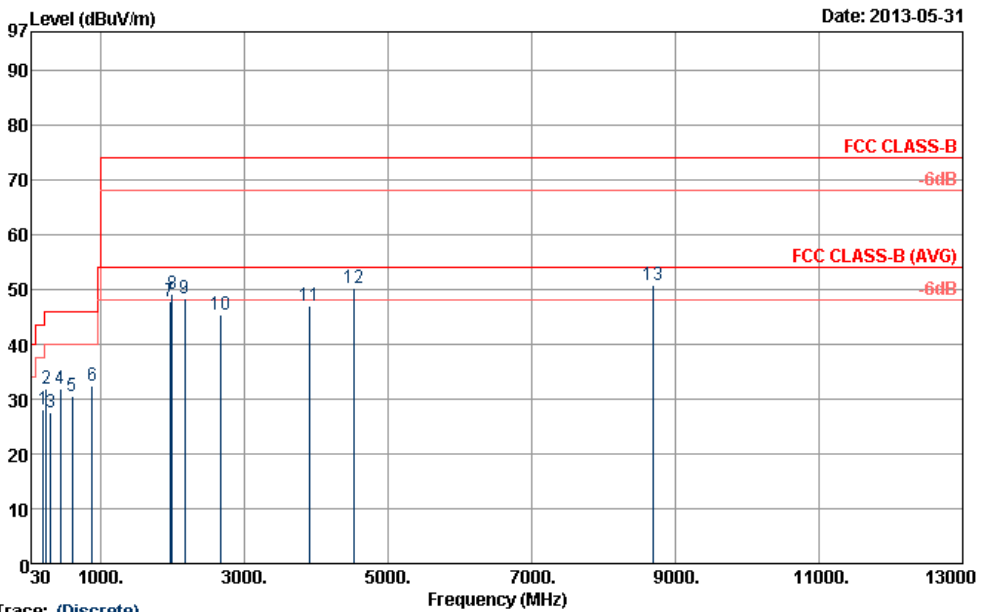
Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.182000	40.7	Off	N	19.4	13.7	54.4
0.246000	27.9	Off	N	19.4	24.0	51.9
0.262000	22.6	Off	N	19.4	28.8	51.4
0.302000	26.5	Off	N	19.4	23.7	50.2
0.390000	18.8	Off	N	19.4	29.3	48.1
0.534000	26.0	Off	N	19.4	20.0	46.0



B2.2. Test Result of Radiated Emission

Test Mode :	Mode 1	Temperature :	22~24°C
Test Engineer :	Marlboro Hsu	Relative Humidity :	47~49%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	Data Link with Notebook		
Remark :	#7 is system simulator signal which can be ignored.		

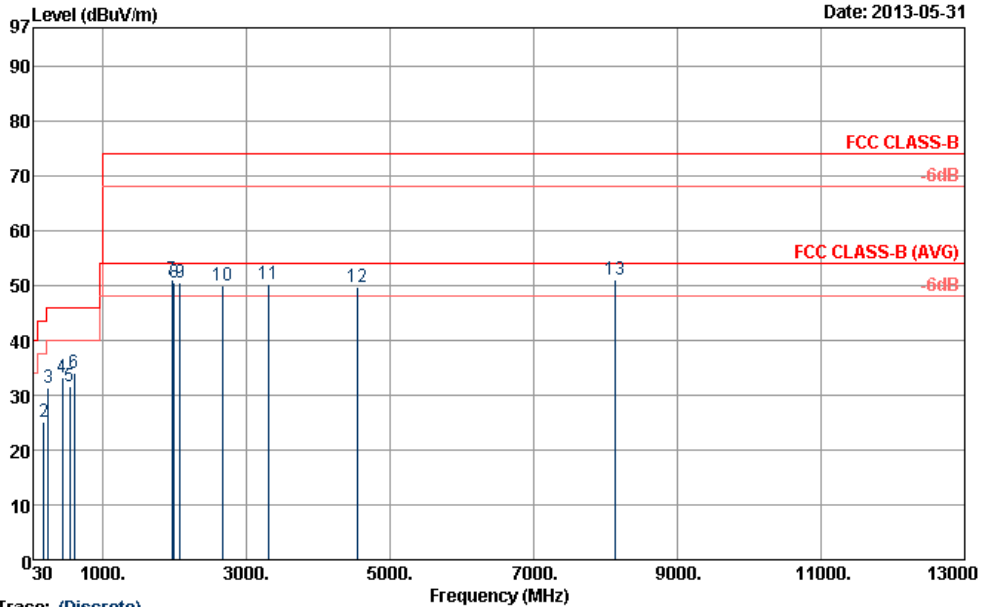


Trace: (Discrete)
 Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT_120801 HORIZONTAL
 Project : 342505
 Mode : Mode 1
 Power : From System

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	cm	deg	
			dB	dBuV/m	dBuV	dB	dB			
1	196.05	28.12	-15.38	43.50	49.21	9.14	1.52	31.75	---	Peak
2	240.06	31.84	-14.16	46.00	50.49	11.40	1.69	31.74	---	Peak
3	298.65	27.63	-18.37	46.00	44.27	13.18	1.90	31.72	---	Peak
4	438.60	32.01	-13.99	46.00	45.08	16.50	2.29	31.86	---	Peak
5	601.00	30.59	-15.41	46.00	41.07	18.81	2.77	32.06	---	Peak
6	877.50	32.47	-13.53	46.00	40.33	20.46	3.31	31.63	100	227 Peak
7	1960.00	47.84	---	---	64.64	31.40	5.79	53.99	---	Peak
8	1998.00	49.14	-24.86	74.00	65.44	31.80	5.90	54.00	---	Peak
9	2166.00	48.24	-25.76	74.00	64.03	32.04	6.14	53.97	---	Peak
10	2666.00	45.40	-28.60	74.00	59.71	32.70	6.92	53.93	---	Peak
11	3898.00	46.90	-27.10	74.00	59.21	33.66	8.76	54.73	---	Peak
12	4516.00	50.20	-23.80	74.00	60.18	34.99	10.06	55.03	---	Peak
13	8682.00	50.78	-23.22	74.00	59.92	36.35	10.60	56.09	100	103 Peak



Test Mode :	Mode 1	Temperature :	22~24°C
Test Engineer :	Marlboro Hsu	Relative Humidity :	47~49%
Test Distance :	3m	Polarization :	Vertical
Function Type :	Data Link with Notebook		
Remark :	#7 is system simulator signal which can be ignored.		



Trace: (Discrete)

Site : 03CH06-HY
 Condition : FCC CLASS-B 3m HF-ANT_120801 VERTICAL
 Project : 342505
 Mode : Mode 1
 Power : From System

Peak	Freq MHz	Level dBuV/m	Over Limit dB	Limit Line dBuV/m	ReadAntenna		Cable Preamp		A/Pos cm	T/Pos deg	Remark
					Level dBuV	Factor dB/m	Loss dB	Factor dB			
1	30.00	25.53	-14.47	40.00	37.79	18.90	0.64	31.80	---	---	Peak
2	179.04	25.01	-18.49	43.50	45.94	9.35	1.47	31.75	---	---	Peak
3	240.06	31.37	-14.63	46.00	50.02	11.40	1.69	31.74	---	---	Peak
4	438.60	33.15	-12.85	46.00	46.22	16.50	2.29	31.86	---	---	Peak
5	536.60	31.53	-14.47	46.00	42.43	18.55	2.53	31.98	---	---	Peak
6	601.00	34.10	-11.90	46.00	44.58	18.81	2.77	32.06	100	169	Peak
7	1960.00	51.09	---	---	67.89	31.40	5.79	53.99	---	---	Peak
8	1998.00	50.51	-23.49	74.00	66.81	31.80	5.90	54.00	---	---	Peak
9	2078.00	50.43	-23.57	74.00	66.52	31.90	6.00	53.99	---	---	Peak
10	2662.00	50.09	-23.91	74.00	64.40	32.70	6.92	53.93	---	---	Peak
11	3318.00	50.17	-23.83	74.00	63.25	33.10	7.88	54.06	---	---	Peak
12	4544.00	49.80	-24.20	74.00	59.79	34.99	10.08	55.06	---	---	Peak
13	8130.00	50.97	-23.03	74.00	59.75	36.12	10.92	55.82	100	142	Peak