- Radiated Emission Measurement (Supplement Test Data)

Test Result: PASSED. The test data please refer to the following pages.
All the emissions not reported below are too low against the FCC Part 15 Subpart C official limits.

Date of Test：	May 18, 2004	Temperature：	18℃
EUT：	Multi-Player	Humidity：	54%
Test Mode：	EUT w/Power Bank + Earphone, Set On Lie (Transmitting FM Radio Frequency 88.1MHz)		

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.42	2.00	19.30	36.72	48.00	11.28
Fundamental Freq. (Peak Value)						
88.100	15.42	2.00	22.98	40.40	68.00	27.60
Spurious Freq. (Quasi-Peak Value)						
176.200	21.21	2.90	-3.63	20.48	43.50	23.02
264.300	24.62	3.70	-4.02	24.30	46.00	21.70
352.400	15.55	4.30	-3.45	16.41	46.00	29.59
440.500	17.60	5.30	-0.74	22.17	46.00	23.83
528.600	19.69	6.90	3.99	30.57	46.00	15.43
553.800	19.40	6.80	9.83	36.03	46.00	9.97
616.700	21.31	6.30	-4.82	22.79	46.00	23.21
704.800	23.56	6.60	-5.58	24.58	46.00	21.42
709.000	23.54	6.60	5.52	35.67	46.00	10.33
792.900	23.95	6.90	-8.35	22.50	46.00	23.50
881.000	25.34	7.30	-8.62	24.02	46.00	21.98

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10^{th} harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Lie
(Transmitting FM Radio Frequency 88.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.46	2.00	18.48	35.94	48.00	12.06
Fundamental Freq. (Peak Value)						
88.100	15.46	2.00	22.66	40.12	68.00	27.88
Spurious Freq. (Quasi-Peak Value)						
176.200	20.66	2.90	-4.36	19.20	43.50	24.30
264.300	25.20	3.70	-4.64	24.25	46.00	21.75
352.400	15.78	4.30	-4.87	15.21	46.00	30.79
440.500	17.38	5.30	-5.29	17.39	46.00	28.61
528.600	20.22	6.90	-2.32	24.81	46.00	21.19
616.700	21.29	6.30	-8.25	19.34	46.00	26.66
704.800	22.25	6.60	-7.10	21.75	46.00	24.25
792.900	25.42	6.90	-8.88	23.44	46.00	22.56
881.000	25.34	7.30	-9.10	23.54	46.00	22.46

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Side
(Transmitting FM Radio Frequency 88.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.42	2.00	17.27	34.69	48.00	13.31
Fundamental Freq. (Peak Value)						
88.100	15.42	2.00	20.93	38.35	68.00	29.65
Spurious Freq. (Quasi-Peak Value)						
176.200	21.21	2.90	-4.19	19.91	43.50	23.59
240.490	23.10	3.40	1.69	28.19	46.00	17.81
264.300	24.62	3.70	-5.51	22.81	46.00	23.19
352.400	15.55	4.30	-1.33	18.53	46.00	27.47
440.500	17.60	5.30	-2.54	20.36	46.00	25.64
441.280	17.63	5.30	7.50	30.43	46.00	15.57
528.600	19.69	6.90	1.22	27.80	46.00	18.20
616.700	21.31	6.30	-5.41	22.20	46.00	23.80
704.800	23.56	6.60	-1.91	28.25	46.00	17.75
792.900	23.95	6.90	-8.88	21.98	46.00	24.02
881.000	25.34	7.30	-9.27	23.37	46.00	22.63

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Side
(Transmitting FM Radio Frequency 88.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.46	2.00	17.12	34.58	48.00	13.42
Fundamental Freq. (Peak Value)						
88.100	15.46	2.00	21.38	38.84	68.00	29.16
Spurious Freq. (Quasi-Peak Value)						
176.200	20.66	2.90	-4.47	19.09	43.50	24.41
264.300	25.20	3.70	-4.67	24.22	46.00	21.78
352.400	15.78	4.30	-6.55	13.53	46.00	32.47
440.500	17.38	5.30	-4.31	18.37	46.00	27.63
528.600	20.22	6.90	1.55	28.68	46.00	17.32
616.700	21.29	6.30	-8.10	19.48	46.00	26.52
672.140	23.07	6.40	2.51	31.99	46.00	14.01
704.800	22.25	6.60	-8.09	20.76	46.00	25.24
792.900	25.42	6.90	-9.73	22.59	46.00	23.41
881.000	25.34	7.30	-9.05	23.59	46.00	22.41

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Stand
(Transmitting FM Radio Frequency 88.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.42	2.00	18.20	35.62	48.00	12.38
Fundamental Freq. (Peak Value)						
88.100	15.42	2.00	21.49	38.91	68.00	29.09
Spurious Freq. (Quasi-Peak Value)						
176.200	21.21	2.90	-5.30	18.81	43.50	24.69
264.300	24.62	3.70	-5.51	22.81	46.00	23.19
352.400	15.55	4.30	-6.36	13.50	46.00	32.50
440.500	17.60	5.30	-5.90	17.00	46.00	29.00
528.600	19.69	6.90	-4.96	21.62	46.00	24.38
616.700	21.31	6.30	-7.91	19.70	46.00	26.30
684.750	23.11	6.49	-0.67	28.93	46.00	17.07
704.800	23.56	6.60	-7.63	22.53	46.00	23.47
792.900	23.95	6.90	-8.71	22.15	46.00	23.85
881.000	25.34	7.30	-9.23	23.41	46.00	22.59

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Stand
(Transmitting FM Radio Frequency 88.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
88.100	15.46	2.00	17.76	35.22	48.00	12.78
Fundamental Freq. (Peak Value)						
88.100	15.46	2.00	22.41	39.87	68.00	28.13
Spurious Freq. (Quasi-Peak Value)						
176.200	20.66	2.90	-4.41	19.15	43.50	24.35
264.300	25.20	3.70	-5.24	23.66	46.00	22.34
352.400	15.78	4.30	-6.33	13.75	46.00	32.25
440.500	17.38	5.30	-4.28	18.39	46.00	27.61
528.600	20.22	6.90	-3.20	23.93	46.00	22.07
616.700	21.29	6.30	-7.88	19.70	46.00	26.30
704.800	22.25	6.60	-8.13	20.72	46.00	25.28
792.900	25.42	6.90	-8.71	23.61	46.00	22.39
881.000	25.34	7.30	-9.16	23.48	46.00	22.52

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10^{th} harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Lie
(Transmitting FM Radio Frequency 98.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
98.100	16.84	2.10	17.48	36.42	48.00	11.58
Fundamental Freq. (Peak Value)						
98.100	16.84	2.10	21.15	40.09	68.00	27.10
Spurious Freq. (Quasi-Peak Value)						
196.200	21.85	3.00	-4.86	19.99	43.50	23.51
294.300	26.33	3.96	-5.02	25.26	46.00	20.74
392.400	17.54	4.70	0.46	22.70	46.00	23.30
490.500	18.58	6.30	1.72	26.60	46.00	19.40
528.580	19.69	6.90	6.77	33.35	46.00	12.65
588.600	21.02	6.30	6.59	33.91	46.00	12.09
679.900	22.97	6.40	4.14	33.50	46.00	12.50
686.700	23.18	6.50	-8.86	20.82	46.00	25.18
733.250	22.09	6.70	3.88	32.67	46.00	13.33
784.800	23.87	6.90	-8.82	21.95	46.00	24.05
882.900	25.28	7.30	-9.29	23.29	46.00	22.71
981.000	25.74	7.70	-9.44	24.00	54.00	30.00

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Lie
(Transmitting FM Radio Frequency 98.1MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
98.100	17.54	2.10	14.87	34.51	48.00	13.49
Fundamental Freq. (Peak Value)						
98.100	17.54	2.10	19.56	39.20	68.00	28.80
Spurious Freq. (Quasi-Peak Value)						
196.200	22.50	3.00	-4.36	21.14	43.50	22.36
294.300	26.47	3.96	-4.67	25.75	46.00	20.25
392.400	17.73	4.70	-4.31	18.12	46.00	27.88
490.500	18.53	6.30	-1.06	23.78	46.00	22.22
588.600	21.52	6.30	3.07	30.88	46.00	15.12
686.700	23.55	6.50	-8.82	21.23	46.00	24.77
784.800	25.40	6.90	-9.47	22.83	46.00	23.17
882.900	25.42	7.30	-9.59	23.13	46.00	22.87
981.000	26.26	7.70	-9.04	24.92	54.00	29.08

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10th harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Lie
(Transmitting FM Radio Frequency 107.9MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
107.900	17.87	2.20	16.69	36.76	48.00	11.24
Fundamental Freq. (Peak Value)						
107.900	17.87	2.20	20.46	40.53	68.00	27.47
Spurious Freq. (Quasi-Peak Value)						
215.800	21.86	3.20	-4.12	20.94	43.50	22.56
323.700	15.10	4.14	10.45	29.69	46.00	16.31
431.600	17.27	5.20	-0.88	21.59	46.00	24.41
539.500	19.34	7.10	-3.00	23.45	46.00	22.55
647.400	21.29	6.30	-1.51	26.09	46.00	19.91
755.300	23.58	6.70	-7.29	22.99	46.00	23.01
863.200	26.09	7.20	-8.83	24.46	46.00	21.54
971.100	26.81	7.70	-9.61	24.90	54.00	29.10

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10^{th} harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Date of Test： May 18, 2004 Temperature： 18℃

EUT： Multi-Player Humidity： 54%

Test Mode： EUT w/Power Bank + Earphone, Set On Lie
(Transmitting FM Radio Frequency 107.9MHz)

Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Fundamental Freq. (Average Value)						
107.900	17.80	2.20	15.52	35.62	48.00	12.38
Fundamental Freq. (Peak Value)						
107.900	17.80	2.20	19.71	39.71	68.00	28.29
Spurious Freq. (Quasi-Peak Value)						
215.800	22.37	3.20	-4.78	20.79	43.50	22.71
323.700	15.54	4.14	2.41	22.09	46.00	23.91
431.600	17.16	5.20	-4.99	17.37	46.00	28.63
539.500	20.31	7.10	-6.00	21.42	46.00	24.58
647.400	21.69	6.30	-5.78	22.21	46.00	23.79
755.300	24.74	6.70	-7.96	23.47	46.00	22.53
863.200	25.46	7.20	-9.33	23.33	46.00	22.67
971.100	26.84	7.70	-9.11	25.43	54.00	28.57

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Reading.
2. Measurement was up to 10^{th} harmonics (from fundamental frequency), but the emissions level were too low against the official limit and not reported.

Photos of Radiated Measurement at Semi-Anechoic Chamber

Test Mode: EUT w/Power Bank + Earphone, Set On Lie

Test Mode: EUT w/Power Bank + Earphone, Set On Side

Test Mode: EUT w/Power Bank + Earphone, Set On Stand