



FCC RADIO TEST REPORT

FCC ID : PU5-TP00107A
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00107A
Applicant : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih
Dist, New Taipei City 221, Taiwan R.O.C.
Manufacturer : Wistron Corporation
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih
Dist, New Taipei City 221, Taiwan R.O.C.
Standard : 47 CFR Part 2, 22(H), 24(E), 27(L)

Equipment: Fibocom L850-GL and Intel 9560D2W tested inside of Lenovo Notebook Computer.

The product was received on Jan. 02, 2019 and testing was started from Jan. 28, 2019 and completed on Feb. 19, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test	5
1.2 Product Specification of Equipment Under Test	6
1.3 Modification of EUT	6
1.4 Testing Location	7
1.5 Applicable Standards	7
2 Test Configuration of Equipment Under Test	8
2.1 Test Mode.....	8
2.2 Connection Diagram of Test System	8
2.3 Support Unit used in test configuration	9
2.4 Frequency List of Low/Middle/High Channels.....	9
3 Conducted Test Result	10
3.1 Measuring Instruments.....	10
3.2 Conducted Output Power and ERP/EIRP	11
4 Radiated Test Items	12
4.1 Measuring Instruments.....	12
4.2 Test Setup	12
4.3 Test Result of Radiated Test.....	12
4.4 Field Strength of Spurious Radiation Measurement	13
5 List of Measuring Equipment.....	14
6 Uncertainty of Evaluation	15
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of ERP/EIRP and Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FG910213A	01	Initial issue of report	Feb. 27, 2019



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(2)	Effective Radiated Power		
	§24.232 (c)	Equivalent Isotropic Radiated Power		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power		
4.4	§2.1053 §22.917 (a) §24.238 (a) §27.53 (h)	Field Strength of Spurious Radiation	Pass	Under limit 36.72 dB at 7520.000 MHz

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Maggie Chiang



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Notebook Computer
Brand Name	Lenovo
Model Name	TP00107A
FCC ID	PU5-TP00107A
Sample 1	EUT with SKU 1
Sample 2	EUT with SKU 2
Sample 3	EUT with SKU 3
Sample 4	EUT with SKU 4
EUT supports Radios application	WCDMA/HSPA/LTE/GNSS WLAN a/b/g/n HT20/40 WLAN ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom L850-GL and Intel 9560D2W tested inside of Lenovo Notebook Computer.
3. All test items were performed with Sample 4.

<Sample Information>

Sample List		
SKU	Antenna Manufacturer	Color
SKU 1	Auden	Silver
SKU 2	WNC	Silver
SKU 3	Auden	Black
SKU 4	WNC	Black

Antenna Information				
WWAN				3G<E (dBi)
Antenna 1	Manufacturer	Auden	Peak gain	2.27
	Part number	025.901FP.0011	Type	PIFA
Antenna 2	Manufacturer	WNC	Peak gain	2.54
	Part number	025.901FP.0001	Type	PIFA

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	WCDMA: Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz
Rx Frequency	WCDMA: Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz
Maximum Output Power to Antenna	WCDMA: Band V: 23.57 dBm Band II: 23.76 dBm Band IV: 23.70 dBm
Type of Modulation	WCDMA: BPSK (Uplink) HSDPA: 64QAM (Downlink) HSUPA: QPSK (Uplink)

1.3 Modification of EUT

No modifications are made to the EUT during all test items.



1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
Test Site No.	Sporton Site No. TH05-HY
Test Engineer	Kurt Liu
Temperature	21°C
Relative Humidity	53%

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
Test Site No.	Sporton Site No. 03CH10-HY
Test Engineer	Lewis Ho, Yu Wang, and Leo Liu
Temperature	23~24°C
Relative Humidity	59~60%

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No. TW1190 and TW0007

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ 47 CFR Part 2, 22(H), 24(E), 27(L)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

For radiated measurement, pre-scanned in Notebook type and three orthogonal panels(X, Y, Z). The worst cases (Notebook type) were recorded in this report.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 9000 MHz for WCDMA Band V.
2. 30 MHz to 18000 MHz for WCDMA Band IV.
3. 30 MHz to 19100 MHz for WCDMA Band II.

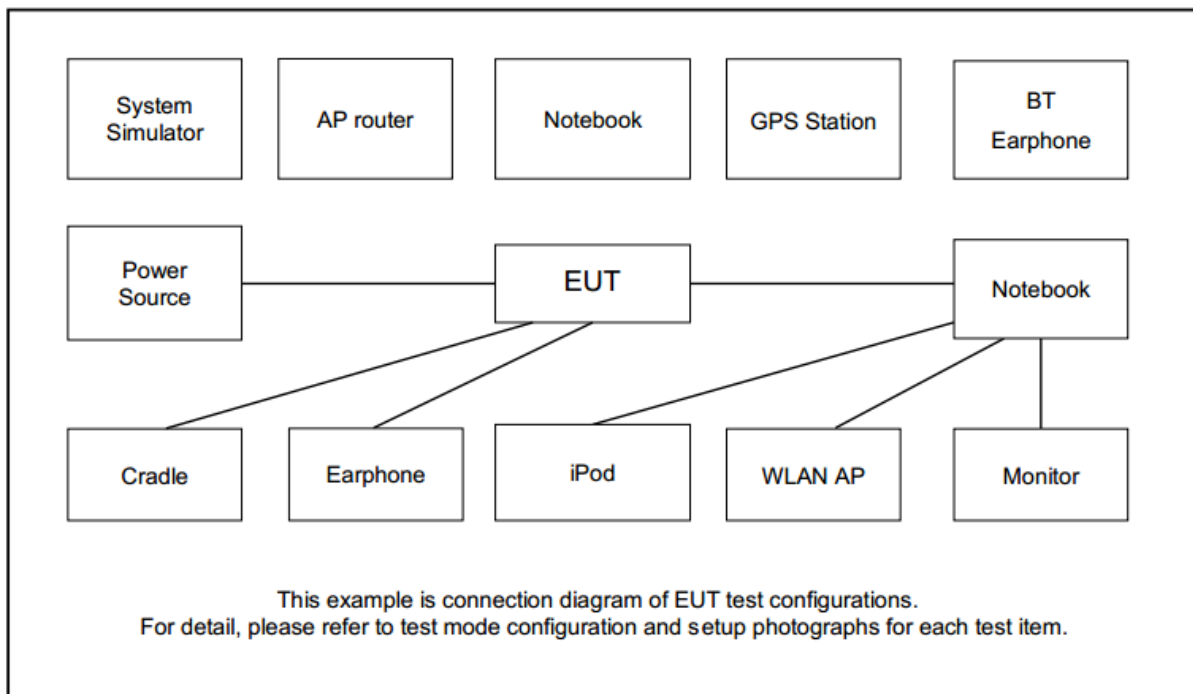
All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

Remark: All the radiated test cases were performed with Adapter 1 and Battery 2.

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	8821	N/A	N/A	Unshielded, 1.8 m
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

2.4 Frequency List of Low/Middle/High Channels

Frequency List				
Band	Channel/ Frequency(MHz)	Lowest	Middle	Highest
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

3 Conducted Test Result

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power and ERP/EIRP

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V.

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II.

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

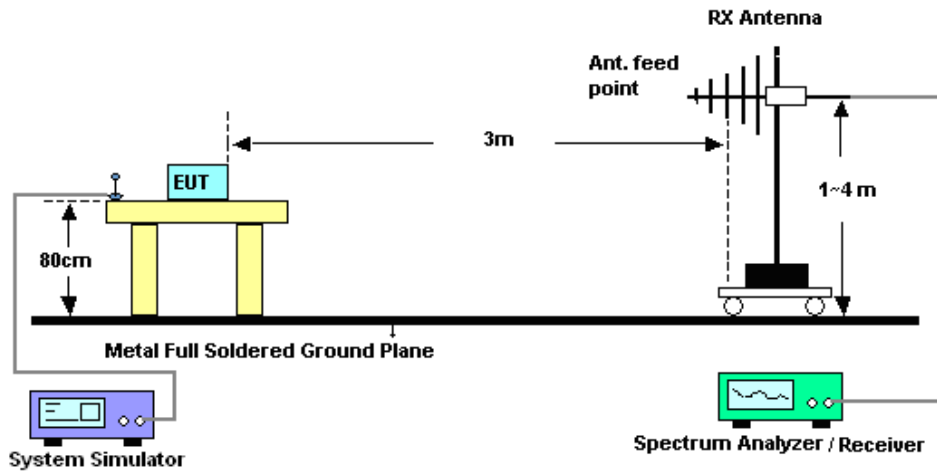
4 Radiated Test Items

4.1 Measuring Instruments

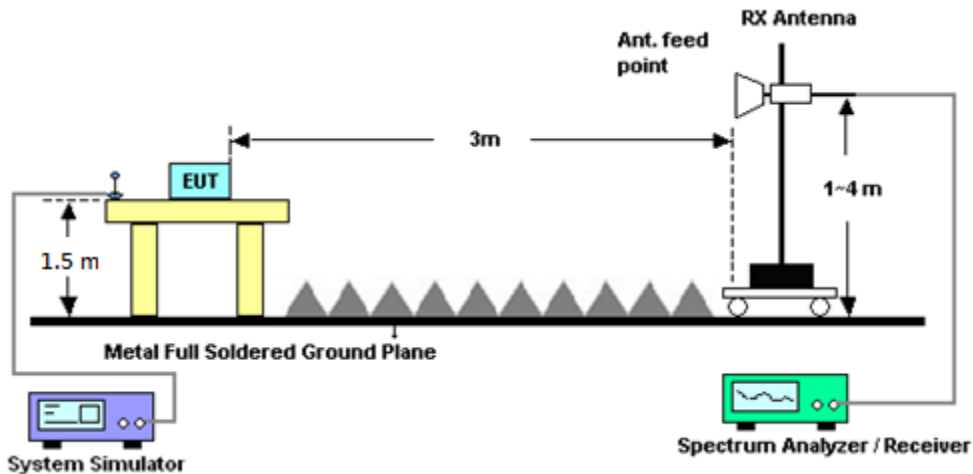
See list of measuring instruments of this test report.

4.2 Test Setup

For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.



4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8820C	6201432821	-	Oct. 14, 2018	Feb. 19, 2019	Oct. 13, 2019	Conducted (TH05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 23, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 22, 2019	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 10, 2019	Jan. 28, 2019~ Feb. 14, 2019	Jan. 09, 2020	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1325	1GHz ~ 18GHz	Oct. 02, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 01, 2019	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY53270078	1GHz~26.5GHz	Oct. 28, 2018	Jan. 28, 2019~ Feb. 14, 2019	Oct. 27, 2019	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800- 30-10P	160118550004	1GHz~18GHz	Apr. 17, 2018	Jan. 28, 2019~ Feb. 14, 2019	Apr. 16, 2019	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz ~ 44GHz	Nov. 02, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 01, 2019	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Jan. 28, 2019~ Feb. 14, 2019	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz to 26.5GHz	Jan. 19, 2019	Jan. 28, 2019~ Feb. 14, 2019	Jan. 18, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30M-1G	Nov. 08, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 07, 2019	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1G-18G	Nov. 08, 2018	Jan. 28, 2019~ Feb. 14, 2019	Nov. 07, 2019	Radiation (03CH10-HY)



6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.17
---	------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.48
---	------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.00
---	------



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Conducted Power (*Unit: dBm)						
Band	WCDMA Band V			WCDMA Band II		
Channel	4132	4182	4233	9262	9400	9538
Frequency	826.4	836.4	846.6	1852.4	1880	1907.6
RMC 12.2K	23.51	23.57	23.53	23.76	23.62	23.57
HSDPA Subtest-1	23.45	23.45	23.43	23.57	23.56	23.68
HSDPA Subtest-2	22.46	22.96	22.57	22.54	22.58	22.64
HSDPA Subtest-3	21.98	21.97	22.06	22.20	22.11	22.21
HSDPA Subtest-4	21.71	21.96	21.85	21.96	21.82	21.84
HSUPA Subtest-1	22.49	22.90	22.44	22.62	22.55	22.59
HSUPA Subtest-2	20.26	20.72	20.22	20.40	20.37	20.40
HSUPA Subtest-3	21.00	21.48	21.01	21.15	21.02	21.07
HSUPA Subtest-4	20.52	20.99	20.57	20.51	20.58	20.76
HSUPA Subtest-5	22.40	22.90	22.60	22.50	22.53	22.68

Conducted Power (*Unit: dBm)			
Band	WCDMA Band IV		
Channel	1312	1413	1513
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	23.51	23.70	23.25
HSDPA Subtest-1	23.45	23.44	23.30
HSDPA Subtest-2	22.55	22.53	22.45
HSDPA Subtest-3	22.06	22.08	21.83
HSDPA Subtest-4	21.86	21.78	21.64
HSUPA Subtest-1	22.57	22.42	22.22
HSUPA Subtest-2	20.19	20.38	20.17
HSUPA Subtest-3	21.04	21.03	21.10
HSUPA Subtest-4	20.59	20.48	20.51
HSUPA Subtest-5	22.60	22.61	22.34



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

Channel	Mode	Conducted		ERP	
		Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	WCDMA Band V	23.51	0.2244	21.92	0.1556
Middle	RMC 12.2Kbps	23.57	0.2275	21.98	0.1578
Highest	(GT - LC = 0.56 dB)	23.53	0.2254	21.94	0.1563
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Conducted		EIRP	
		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band II	23.76	0.2377	26.30	0.4266
Middle	RMC 12.2Kbps	23.62	0.2301	26.16	0.4130
Highest	(GT - LC = 2.54 dB)	23.57	0.2275	26.11	0.4083
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Conducted		EIRP	
		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV	23.51	0.2244	25.62	0.3648
Middle	RMC 12.2Kbps	23.70	0.2344	25.81	0.3811
Highest	(GT - LC = 2.11 dB)	23.25	0.2113	25.36	0.3436
Limit	EIRP < 1W	Result		PASS	



Radiated Spurious Emission

Part22H WCDMA 850

WCDMA 850									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-61.07	-13	-48.07	-69.82	-66.80	0.81	8.69	H
	2472	-60.30	-13	-47.30	-73.88	-67.87	1.04	10.76	H
	3296	-58.42	-13	-45.42	-74.04	-67.02	1.10	11.85	H
									H
	1648	-61.58	-13	-48.58	-70.17	-67.31	0.81	8.69	V
	2472	-60.48	-13	-47.48	-74.2	-68.05	1.04	10.76	V
	3296	-58.44	-13	-45.44	-74.42	-67.04	1.10	11.85	V
									V
Middle	1672	-58.25	-13	-45.25	-67.07	-64.07	0.82	8.79	H
	2508	-60.15	-13	-47.15	-73.78	-67.76	1.05	10.81	H
	3344	-58.84	-13	-45.84	-74.23	-67.55	1.10	11.96	H
									H
	1672	-58.14	-13	-45.14	-66.8	-63.96	0.82	8.79	V
	2508	-60.16	-13	-47.16	-73.86	-67.77	1.05	10.81	V
	3344	-58.19	-13	-45.19	-74.07	-66.90	1.10	11.96	V
									V
Highest	1696	-64.12	-13	-51.12	-73.04	-70.02	0.83	8.88	H
	2544	-60.61	-13	-47.61	-74.31	-68.24	1.06	10.84	H
	3392	-59.04	-13	-46.04	-74.15	-67.85	1.10	12.06	H
									H
									H
	1696	-62.19	-13	-49.19	-70.95	-68.09	0.83	8.88	V
	2544	-60.71	-13	-47.71	-74.51	-68.34	1.06	10.84	V
	3392	-58.52	-13	-45.52	-74.29	-67.33	1.10	12.06	V
								V	

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part27L WCDMA 1700

WCDMA 1700									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3427	-56.72	-13	-43.72	-72.83	-67.76	1.10	12.14	H
	5140	-55.02	-13	-42.02	-75.93	-66.36	1.53	12.87	H
	6854	-51.81	-13	-38.81	-76.08	-61.58	2.18	11.95	H
									H
	3427	-55.78	-13	-42.78	-72.42	-66.82	1.10	12.14	V
	5140	-54.47	-13	-41.47	-76.04	-65.81	1.53	12.87	V
	6854	-51.86	-13	-38.86	-76.36	-61.63	2.18	11.95	V
									V
Middle	3462	-55.95	-13	-42.95	-72.63	-67.07	1.10	12.22	H
	5193	-55.12	-13	-42.12	-76.13	-66.49	1.56	12.93	H
	6927	-51.86	-13	-38.86	-76.17	-61.52	2.21	11.87	H
									H
	3462	-55.19	-13	-42.19	-72.23	-66.31	1.10	12.22	V
	5193	-54.35	-13	-41.35	-76.06	-65.72	1.56	12.93	V
	6927	-51.04	-13	-38.04	-75.83	-60.70	2.21	11.87	V
									V
Highest	3504	-55.03	-13	-42.03	-72.33	-66.23	1.10	12.30	H
	5254	-53.94	-13	-40.94	-75.06	-65.34	1.60	13.00	H
	7008	-51.59	-13	-38.59	-74.98	-61.13	2.24	11.79	H
									H
	3504	-52.70	-13	-39.70	-70.18	-63.90	1.10	12.30	V
	5254	-52.15	-13	-39.15	-73.97	-63.55	1.60	13.00	V
	7008	-50.37	-13	-37.37	-75.52	-59.91	2.24	11.79	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part24E WCDMA 1900

WCDMA 1900									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3707	-55.46	-13	-42.46	-73.03	-66.69	1.24	12.47	H
	5560	-54.59	-13	-41.59	-76.22	-66.07	1.80	13.29	H
	7414	-50.19	-13	-37.19	-76.31	-58.97	2.44	11.22	H
									H
	3707	-56.90	-13	-43.90	-75	-68.13	1.24	12.47	V
	5560	-53.62	-13	-40.62	-76.02	-65.10	1.80	13.29	V
	7414	-50.67	-13	-37.67	-76.52	-59.45	2.44	11.22	V
									V
Middle	3760	-56.38	-13	-43.38	-74.01	-67.62	1.27	12.51	H
	5640	-87.05	-13	-74.05	-75.05	-98.47	1.85	13.27	H
	7520	-87.73	-13	-74.73	-75.73	-96.35	2.50	11.11	H
									H
	3760	-56.64	-13	-43.64	-74.87	-67.88	1.27	12.51	V
	5640	-53.04	-13	-40.04	-75.45	-64.46	1.85	13.27	V
	7520	-49.72	-13	-36.72	-76.2	-58.34	2.50	11.11	V
									V
Highest	3812	-56.87	-13	-43.87	-74.58	-68.11	1.31	12.55	H
	5723	-54.11	-13	-41.11	-76.01	-65.47	1.90	13.26	H
	7630	-49.94	-13	-36.94	-75.99	-58.54	2.58	11.18	H
									H
	3812	-56.29	-13	-43.29	-74.68	-67.53	1.31	12.55	V
	5723	-53.47	-13	-40.47	-76.03	-64.83	1.90	13.26	V
	7630	-49.82	-13	-36.82	-75.93	-58.42	2.58	11.18	V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.