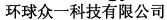
Global United Technology Service Co., Ltd.





Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960 Email: szsale@gtstest.com

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FCC REPORT

Application No:	GTSE100700110RF		
Applicant:	Verykool USA Inc.		
Address of Applicant:	4350 Executive Drive. Suite 100, San Diego, CA 92121, USA		
Equipment Under Test (I	EUT)		
Name:	GSM Dual Band GPRS Digital Mobile Phone		
Model No.:	i600		
Trademark:	verykool		
Operation Frequency:	2402MHz to 2480MHz		
FCC ID:	WA6I600		
Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247:2008		
Date of Receipt:	25 July, 2010		
Date of Test: 25~30 July, 2010			
Date of Issue: 31 July, 2010			
Test Result :	PASS *		

^{*} In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Lo Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of GTS International Electrical Approvals or testing done by GTS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by GTS International Electrical Approvals in writing.

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3 Test Summary

Test Item	Section in CFR 47	Result
Antenna Requirement	15.203/15.247 (c)	Passed
Conducted Peak Output Power	15.247 (b)(1)	Passed
20dB Occupied Bandwidth	15.247 (a)(1)	Passed
Carrier Frequencies Separation	15.247 (a)(1)	Passed
Hopping Channel Number	15.247 (a)(1)	Passed
Dwell Time	15.247 (a)(1)	Passed
Pseudorandom Frequency Hopping Sequence	15.247(b)(4)&TCB Exclusion List	Passed
Radiated Emission	15.205/15.209	Passed
	15.247(b)(4)&	
RF Exposure Compliance Requirement	TCB Exclusion List	Passed
	(7 July 2002)	

Remark:

Passed: The EUT complies with the essential requirements in the standard.

Failed: The EUT does not comply with the essential requirements in the standard.

Tx: In this whole report Tx (or tx) means Transmitter. Rx: In this whole report Rx (or rx) means Receiver.



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General Information

4.1 Client Information

Applicant:	Verykool USA Inc.
Address of Applicant:	4350 Executive Drive. Suite 100, San Diego, CA 92121, USA
Manufacturer/Factory:	SHENZHEN KONKA TELECOMMUNICATION TECHNOLOGY CO., LTD.
Address of Manufacturer/Factory:	No.9008 Shennan Road, Overseas Chinese Town, ShenZhen, Guangdong, China

4.2 General Description of E.U.T.

Product Name:	GSM Dual Band GPRS Digital Mobile Phone
Item No.:	i600
Operation Frequency:	2402MHz~2480MHz
Channel numbers:	79
Channel separation:	1MHz
Modulation type:	GFSK
Antenna Type:	Integral
Antenna gain:	2dBi
Power supply:	DC 3.7V battery



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	21	2422MHz	41	2442MHz	61	2462MHz
2	2403MHz	22	2423MHz	42	2443MHz	62	2463MHz
3	2404MHz	23	2424MHz	43	2444MHz	63	2464MHz
4	2405MHz	24	2425MHz	44	2445MHz	64	2465MHz
5	2406MHz	25	2426MHz	45	2446MHz	65	2466MHz
6	2407MHz	26	2427MHz	46	2447MHz	66	2467MHz
7	2408MHz	27	2428MHz	47	2448MHz	67	2468MHz
8	2409MHz	28	2429MHz	48	2449MHz	68	2469MHz
9	2410MHz	29	2430MHz	49	2450MHz	69	2470MHz
10	2411MHz	30	2431MHz	50	2451MHz	70	2471MHz
11	2412MHz	31	2432MHz	51	2452MHz	71	2472MHz
12	2413MHz	32	2433MHz	52	2453MHz	72	2473MHz
13	2414MHz	33	2434MHz	53	2454MHz	73	2474MHz
14	2415MHz	34	2435MHz	54	2455MHz	74	2475MHz
15	2416MHz	35	2436MHz	55	2456MHz	75	2476MHz
16	2417MHz	36	2437MHz	56	2457MHz	76	2477MHz
17	2418MHz	37	2438MHz	57	2458MHz	77	2478MHz
18	2419MHz	38	2439MHz	58	2459MHz	78	2479MHz
19	2420MHz	39	2440MHz	59	2460MHz	79	2480MHz
20	2421MHz	40	2441MHz	60	2461MHz		

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz



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4.3 E.U.T Operation mode

Operating Environment:				
Temperature:	25.0 °C			
Humidity:	45 % RH			
Atmospheric Pressure:	1050 mbar			
Test mode:				
Transmitting mode:	Keep the EUT in transmitting mode with modulation.			



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4.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC —Registration No.: 600491

Global United Technology Service Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 600491, July 20, 2010.

4.5 Test Location

All tests were performed at:

Global United Technology Service Co., Ltd.

Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen,

China

Tel: 0755-27798480 Fax: 0755-27798960

4.6 Other Information Requested by the Customer

None.



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4.7 Test Instruments list

Radia	Radiated Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)	
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS201	Mar. 30 2010	Mar. 30 2011	
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS202	N/A	N/A	
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Sep. 10 2009	Sep. 10 2010	
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS204	Feb 26 2009	Sep. 10 2010	
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS205	June 30 2010	June 30 2011	
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
7	Coaxial Cable	GTS	N/A	GTS400	Apr. 01 2010	Apr. 01 2011	
8	Coaxial Cable	GTS	N/A	GTS401	Apr. 01 2010	Apr. 01 2011	
9	Coaxial cable	GTS	N/A	GTS402	Apr. 01 2010	Apr. 01 2011	
10	Coaxial Cable	GTS	N/A	GTS407	Apr. 01 2010	Apr. 01 2011	
11	Coaxial Cable	GTS	N/A	GTS408	Apr. 01 2010	Apr. 01 2011	
12	Amplifier(10KHz- 5GHz)	Sonnoma Instrument	305-1052	GTS210	Apr. 01 2010	Apr. 01 2011	
13	Amplifier(2GHz- 20GHz)	HP	8349B	GTS231	Apr. 01 2010	Apr. 01 2011	

Cond	Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)	
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	TU206	Apr. 10 2010	Apr. 10 2011	
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	TU208	Sep. 14 2009	Sep. 14 2010	
3	10dB Pulse Limita	Rohde & Schwarz	N/A	TU209	Sep. 14 2009	Sep. 14 2010	
4	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	TU207	Apr. 14 2010	Apr. 14 2011	
5	Coaxial Cable	TU	N/A	TU406	Apr. 1 2010	Apr. 01 2011	
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	



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5 **Test results and Measurement Data**

5.1 Antenna requirement:

FCC Part15 C Section 15.203 /247(c) Standard requirement:

15.203 requirement:

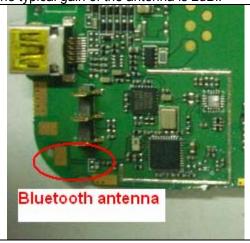
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The EUT make use of an lead antenna, the antenna size: 12cm(L)* Φ 0.15cm, The typical gain of the antenna is 2dBi.





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5.2 Conducted Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)		
Test Method:	ANSI C63.4:2003 and KDB DA00-705		
Receiver setup:	RBW=1MHz, VBW=1MHz, Detector=Peak		
Limit:	30dBm		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
	Remark: Offset the High-Frequency cable loss 2.5dB in the spectrum analyzer.		
Test Instruments:	Refer to section 4.7 for details		
Test mode:	Non-hopping transmitting with modulation.		
Test results:	Passed		

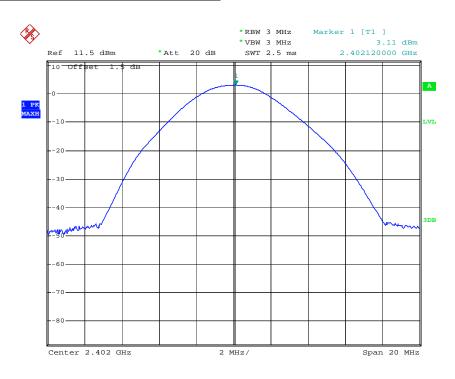
Measurement Data

Test channel	Test channel Peak Output Power (dBm)		Result
Lowest	3.11	30.00	Pass
Middle	3.64	30.00	Pass
Highest	2.11	30.00	Pass

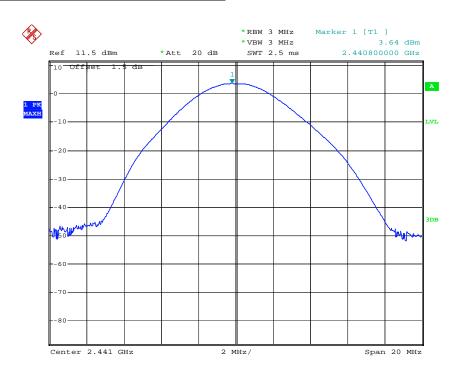


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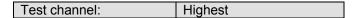
Test channel: Middle

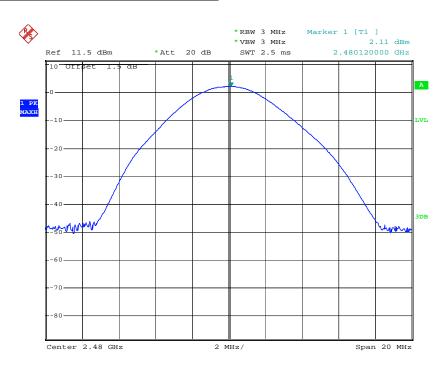




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5.3 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)					
Test Method:	ANSI C63.4:2003 and KDB DA00-705					
Receiver setup:	RBW=30KHz, VBW=100KHz,detector=Peak					
Limit:	NA					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table					
	Ground Reference Plane					
	Remark: Offset the High-Frequency cable loss 0.5dB in the spectrum analyzer.					
Test Instruments:	Refer to section 4.7 for details					
Test mode:	Transmitting mode					
Test results:	Passed					

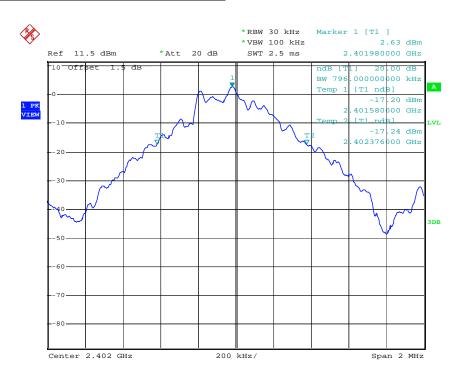
Measurement Data								
Test channel	Lowest	Middle	Highest					
20dB Occupy	700	700	700					
Bandwidth (KHz)	796	796	792					



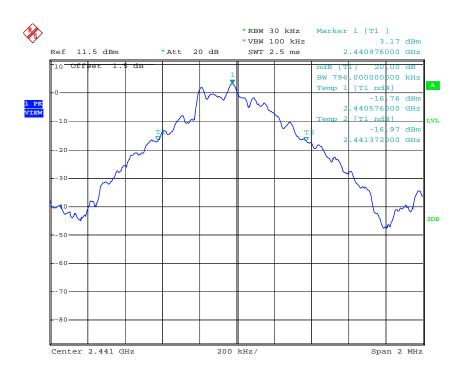
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Test plot as follows:

Test channel: Lowest



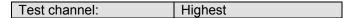
Test channel: Middle

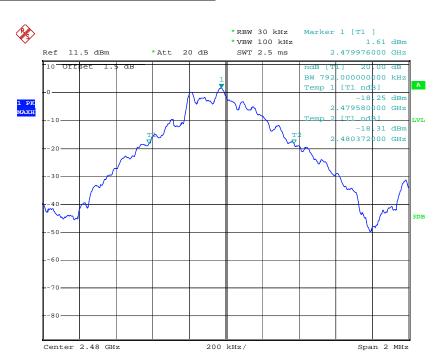




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5.4 Carrier Frequencies Separation

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)					
Test Method:	ANSI C63.4:2003 and KDB DA00-705					
Receiver setup:	RBW=30KHz, VBW=100KHz, detector=Peak					
Limit:	0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark: Offset the High-Frequency cable loss 0.5dB in the spectrum analyzer.					
Test Instruments:	Refer to section 4.7 for details					
Test mode:	Hopping transmitting with modulation.					
Test results:	Passed					

Measurement Data			
Test channel	Carrier Frequencies Separation (KHz)	Limit (KHz)	Result
Lowest	1002	530.7	Pass
Middle	1002	530.7	Pass
Highest	1002	530.7	Pass

Note: According to section 5.4.

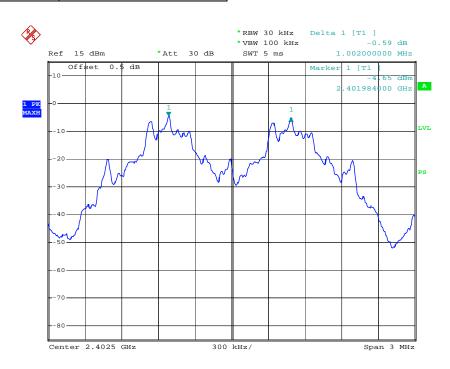
-	Trates recording to cocaen or in								
	Mode	20dB bandwidth (KHz)	Limit (KHz)						
		(worse case)	(Carrier Frequencies Separation)						
	GFSK	796	530.7						



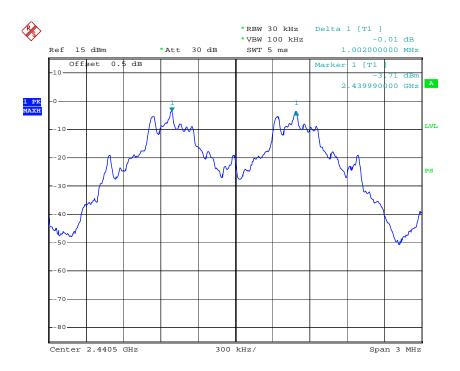
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Test plot as follows:

Test channel: Lowest



Test channel: Middle

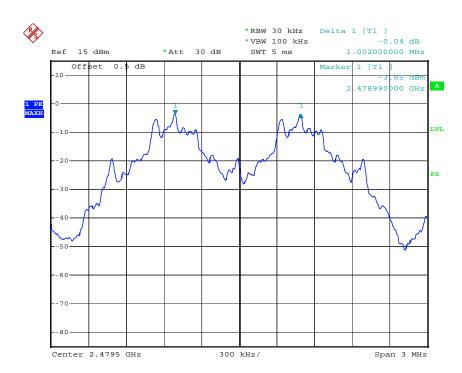




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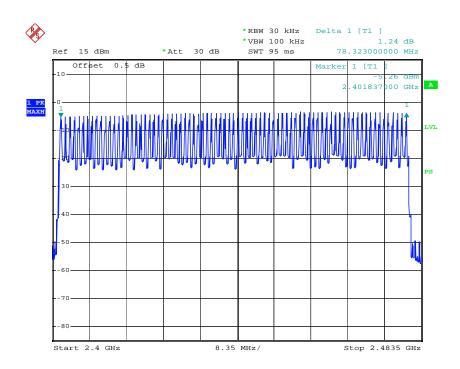
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5.5 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)					
Test Method:	ANSI C63.4:2003 and KDB DA00-705					
Receiver setup:	RBW=30KHz, VBW=100KHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak					
Limit:	75channels					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane Remark:					
Test Instruments:	Offset the High-Frequency cable loss 0.5dB in the spectrum analyzer. Refer to section 4.7 for details					
Test mode:	Hopping transmitting with modulation.					
Test results:	Passed					

Measurement Data	
Hopping channel numbers	79 channel

Test plot as follows





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5.6 Dwell Time

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)				
Test Method:	ANSI C63.4:2003 and KDB DA00-705				
Receiver setup:	RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak				
Limit:	0.4 Second				
Test mode:	Hopping transmitting with modulation.				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 4.7 for details				
Test results:	Passed				

Measurement Data

Mode	Packet	Pulse wide (msec)	Dwell time (sec)	Limit (sec)	Result
	DH1	0.525	0.168	0.4	Pass
GFSK	DH3	1.780	0.285	0.4	Pass
	DH5	3.040	0.324	0.4	Pass

Dwell time

DH1: Dwell time = Pulse time*(1600/2/79)*31.6S;

DH3: Dwell time = Pulse time*(1600/4/79)*31.6S;

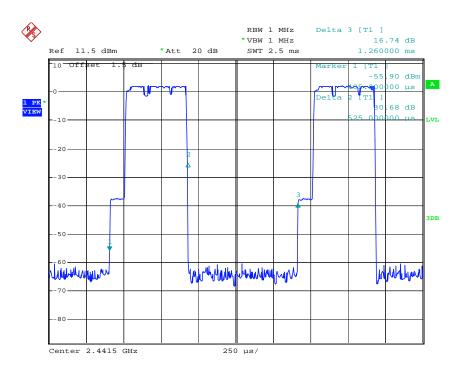
DH5: Dwell time = Pulse time*(1600/6/79)*31.6S;



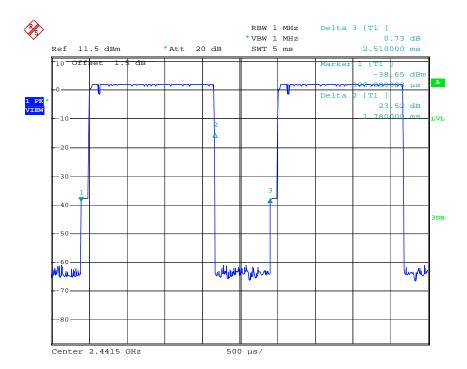
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Test plot as follows





Test mode: **GFSK** Test Packet: DH3

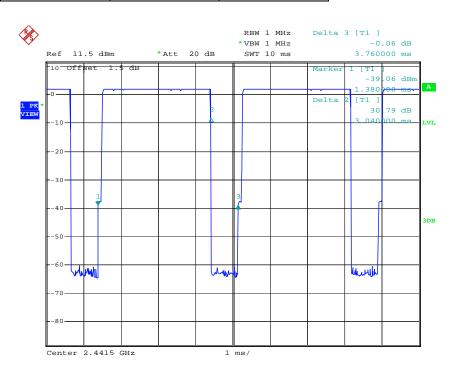




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5.7 Band Edge

Test Requirement:	FCC Part15 C Section 15.209 and 15.205						
Test Method:	ANSI C63.4: 2003						
Test Frequency Range:							
Test site:	2400MHz to 2483.5MHz						
	Measurement Distance: 3m (Semi-Anechoic Chamber)						
Receiver setup:	Frequency	Detector	RBW	VBW	Remark		
		Peak	1MHz	3MHz	Peak Value		
	Above 1GHZ	Peak	1MHz	10Hz	Average Value		
Limit:					T		
	Above 1	IGHz			•		
Test Procedure:	a The FIIT w	as placed on the					
Test setup:	Above 1GHz Peak 1MHz 3MHz Peak Value						
Task In admires a state	Defents	. 4 7 fam detell					
Test Instruments:	Refer to section		م ماریامی:				
Test mode:		ansmitting with r	nodulation.				
Test results:	Passed						



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Test mode:	Trans	mitting	Test chann	el: Lov	west	Remark:	Pea	k
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2390	6.28	32.24	39.03	58.76	58.25	74	-15.75	Vertical
2400	6.34	32.25	38.87	60.22	59.94	74	-14.06	Vertical
2390	6.28	32.24	39.03	55.29	54.78	74	-19.22	Horizonta
2400	6.34	32.25	38.87	56.37	56.09	74	-17.91	Horizonta
Toot mode:	Trans	mitting	Toot shann		woot	Domark	Δ	rage
Test mode:	ITans	mitting	Test chann	ei. Lo	west	Remark:	Ave	rage
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2390	6.28	32.24	39.03	48.36	47.85	54	-6.15	Vertical
2400	6.34	32.25	38.87	49.01	48.73	54	-5.27	Vertical
2390	6.28	32.24	39.03	44.98	44.47	54	-9.53	Horizonta
2400	6.34	32.25	38.87	46.72	46.44	54	-7.56	Horizontal
Test mode:	Trans	mitting	Test chann	el: Hig	hest	Remark:	Pea	k
	T	T			1	1	T	_
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2483.5	6.22	32.29	39.53	57.3	56.28	74	-17.72	Vertical
2500	5.76	32.30	39.15	56.82	55.73	74	-18.27	Vertical
2483.5	6.22	32.29	39.53	55.82	54.8	74	-19.20	Horizonta
2500	5.76	32.30	39.15	55.1	54.01	74	-19.99	Horizonta
- , .	T =		-	. Lee		In .		
Test mode:	Irans	mitting	Test chann	ei: Hig	hest	Remark:	Ave	rage
					•	•		
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
		Factor (dB/m) 32.29	Factor	Level			Limit	polarization Vertical
(MHz)	Loss (dB)	Factor (dB/m)	Factor (dB)	Level (dBuV)	(dBuV/m)	(dBuV/m)	Limit (dB)	polarization Vertical Vertical
(MHz) 2483.5	Loss (dB) 6.22	Factor (dB/m) 32.29	Factor (dB) 39.53	Level (dBuV) 47.35	(dBuV/m) 46.33	(dBuV/m) 54	Limit (dB) -7.67	Vertical

2500

5.76

32.30

39.15

45.01

43.92

54

-10.08

Horizontal



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5.8 Pseudorandom Frequency Hopping Sequence

FCC Part15 C Section 15.247 (a)(1) requirement: **Test Requirement:**

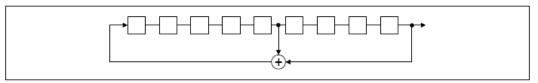
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

EUT Pseudorandom Frequency Hopping Sequence

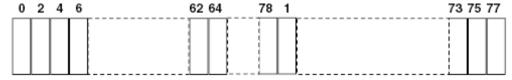
The pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: $2^9 1 = 511$ bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:



Each frequency used equally on the average by each transmitter.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



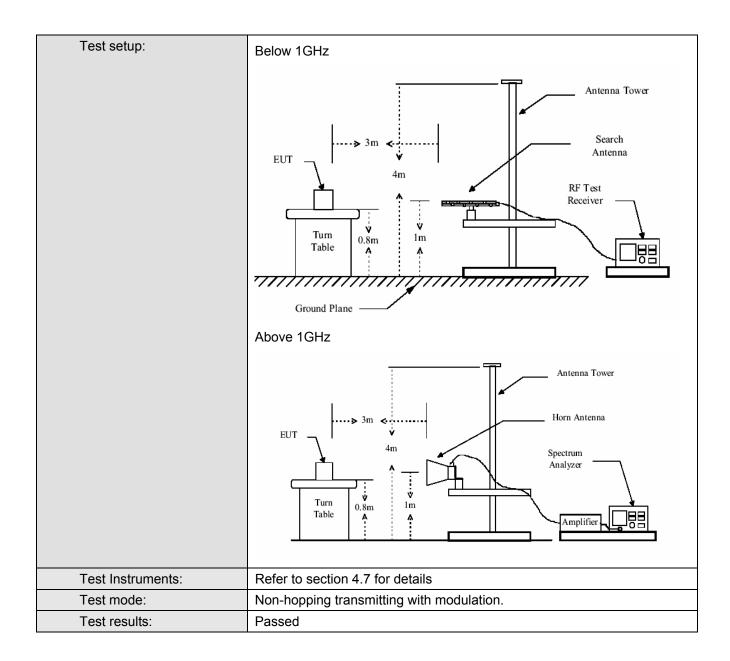
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5.9 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205						
Test Method:	ANSI C63.4: 2003						
Test Frequency Range:	30MHz to 25GHz						
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)						
Receiver setup:	The second of th						
receiver setup.	Frequency	Detector	RBW	VBW	Remark		
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value		
	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
	Above IGHZ	Peak	1MHz	10Hz	Average Value		
Limit:							
	Freque		Limit (dBuV		Remark		
	30MHz-8	8MHz	40.0		Quasi-peak Value		
	88MHz-21		43.5		Quasi-peak Value		
	216MHz-9		46.0		Quasi-peak Value		
	960MHz-	1GHz	54.0		Quasi-peak Value		
	Above 1	GHz	54.0		-		
Test Procedure:	74.0 Peak Value						
	Above 1GHz 54.0 Average Value 74.0 Peak Value a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet. g. The radiation measurements are performed in X, Y, Z axis						



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Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor



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5.9.1 Radiated emission below 1GHz

Test channel: Lowest

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
56.792	0.69	12.61	25.71	51.18	38.77	40.0	-1.23	Vertical
79.8	0.96	12.14	25.68	48.57	35.99	40.0	-4.01	Vertical
147.921	1.5	10.06	25.64	55.54	41.46	43.5	-2.04	Vertical
170.793	1.64	13.36	25.63	51.85	41.22	43.5	-2.28	Vertical
307.831	2.09	16.66	25.59	49.32	42.48	46.0	-3.52	Vertical
330.195	16.45	16.86	25.58	48.68	42.09	46.0	-3.91	Vertical
56.991	0.69	10.55	25.71	50.77	36.3	40.0	-3.7	Horizontal
125.446	1.35	11.41	25.65	51.46	38.57	43.5	-4.93	Horizontal
147.921	1.5	10.2	25.64	56.07	42.13	43.5	-1.37	Horizontal
170.793	1.64	10.58	25.63	56.54	43.13	43.5	-0.37	Horizontal
193.773	1.74	11.28	25.62	52.64	40.04	43.5	-3.46	Horizontal
558.73	2.58	21.34	25.54	41.52	39.9	46.0	-6.1	Horizontal

Test channel: Middle

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
56.991	0.69	12.61	25.71	51.9	39.49	40.0	-0.51	Vertical
79.8	0.96	12.14	25.68	48.51	35.93	40.0	-4.07	Vertical
122.404	1.34	10.8	25.65	50.49	36.98	43.5	-6.52	Vertical
147.921	1.5	10.06	25.64	54.98	40.9	43.5	-2.6	Vertical
170.793	1.64	13.36	25.63	52.37	41.74	43.5	-1.76	Vertical
307.831	2.09	16.66	25.59	50.44	43.6	46.0	-2.4	Vertical
56.792	0.69	10.55	25.71	44.39	29.92	40.0	-10.08	Horizontal
79.8	0.96	7.43	25.68	49.44	32.15	40.0	-7.85	Horizontal
147.921	1.5	10.2	25.64	53.44	39.5	43.5	-4.0	Horizontal
170.793	1.64	10.58	25.63	55.32	41.91	43.5	-1.59	Horizontal
193.773	1.74	11.28	25.62	53.77	41.17	43.5	-2.33	Horizontal
475.499	2.37	20.83	25.55	42.66	40.31	46.0	-5.69	Horizontal

Test channel: Highest

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
56.792	0.69	12.61	25.71	51.54	39.13	40.0	-0.87	Vertical
79.8	0.96	12.14	25.68	51.93	39.35	40.0	-0.65	Vertical
122.404	1.34	10.8	25.65	54.55	41.04	43.5	-2.46	Vertical
153.2	1.53	10.56	25.64	56.46	42.91	43.5	-0.59	Vertical
170.793	1.64	13.36	25.63	53.1	42.47	43.5	-1.03	Vertical
357.929	2.18	16.98	25.57	50.09	43.68	46.0	-2.32	Vertical
122.404	1.34	11.71	25.65	52.48	39.88	43.5	-3.62	Horizontal
147.921	1.5	10.2	25.64	54.11	40.17	43.5	-3.33	Horizontal
170.793	1.64	10.58	25.63	55.25	41.84	43.5	-1.66	Horizontal
193.773	1.74	11.28	25.62	55.27	42.67	43.5	-0.83	Horizontal
214.514	1.84	11.69	25.61	54.06	41.98	43.5	-1.52	Horizontal
490.745	2.39	20.85	25.55	46.86	44.55	46.0	-1.45	Horizontal



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5.9.2 Transmitter emission above 1GHz

Test channel:	Lowest	Remark:	Peak

		Antenna	Preamp	Read			Over	I
Frequency (MHz)	Cable Loss (dB)	Factor (dB/m)	Factor (dB)	Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Limit (dB)	polarization
2400	4.97	32.24	37.65	58.96	58.52	74	-15.48	Vertical
4804	9.36	34.25	41.53	47.12	49.20	74	-24.8	Vertical
7206	13.38	37.23	40.98	44.40	54.03	74	-19.97	Vertical
9608	13.39	37.99	37.56	43.10	56.92	74	-17.08	Vertical
12010	16.45	39.10	39.09	43.20	59.66	74	-14.34	Vertical
2400	4.97	32.24	37.65	56.16	55.72	74	-18.28	Horizontal
4804	9.36	34.25	41.53	45.58	47.66	74	-26.34	Horizontal
7206	13.38	37.23	40.98	43.65	53.28	74	-20.72	Horizontal
9608	13.39	37.99	37.56	42.62	56.44	74	-17.56	Horizontal
12010	16.45	39.10	39.09	41.97	58.43	74	-15.57	Horizontal

Test channel:	Lowest	Remark:	Average
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Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2400	4.97	32.24	37.65	41.35	40.91	54	-13.09	Vertical
4804	9.36	34.25	41.53	32.27	34.35	54	-19.65	Vertical
7206	13.38	37.23	40.98	31.34	40.97	54	-13.03	Vertical
9608	13.39	37.99	37.56	29.39	43.21	54	-10.79	Vertical
12010	16.45	39.10	39.09	29.18	45.64	54	-8.36	Vertical
2400	4.97	32.24	37.65	39.30	38.86	54	-15.14	Horizontal
4804	9.36	34.25	41.53	30.14	32.22	54	-21.78	Horizontal
7206	13.38	37.23	40.98	30.01	39.64	54	-14.36	Horizontal
9608	13.39	37.99	37.56	29.41	43.23	54	-10.77	Horizontal
12010	16.45	39.10	39.09	29.15	45.61	54	-8.39	Horizontal

Test channel: Middle Remark:	Peak
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Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882	10.57	34.35	40.33	47.35	51.94	74	-22.06	Vertical
7323	12.91	37.31	40.40	44.42	54.24	74	-19.76	Vertical
9764	13.89	38.03	37.94	43.80	57.78	74	-16.22	Vertical
12205	17.95	39.23	39.30	43.36	61.24	74	-12.76	Vertical
14646	17.18	41.27	45.96	42.05	54.54	74	-19.46	Vertical
4882	10.57	34.35	40.33	45.53	50.12	74	-23.88	Horizontal
7323	12.91	37.31	40.40	43.96	53.78	74	-20.22	Horizontal
9764	13.89	38.03	37.94	43.28	57.26	74	-16.74	Horizontal
12205	17.95	39.23	39.30	42.97	60.85	74	-13.15	Horizontal
14646	17.18	41.27	45.96	41.96	54.45	74	-19.55	Horizontal



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Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882	10.57	34.35	40.33	32.92	37.51	54	-16.49	Vertical
7323	12.91	37.31	40.40	31.10	40.92	54	-13.08	Vertical
9764	13.89	38.03	37.94	30.38	44.36	54	-9.64	Vertical
12205	17.95	39.23	39.30	29.97	47.85	54	-6.15	Vertical
14646	17.18	41.27	45.96	29.70	42.19	54	-11.81	Vertical
4882	10.57	34.35	40.33	32.54	37.13	54	-16.87	Horizontal
7323	12.91	37.31	40.40	30.93	40.75	54	-13.25	Horizontal
9764	13.89	38.03	37.94	30.16	44.14	54	-9.86	Horizontal
12205	17.95	39.23	39.30	29.41	47.29	54	-6.71	Horizontal
14646	17.18	41.27	45.96	29.18	41.67	54	-12.33	Horizontal

Test ch	nannel:	Highest	Remark:	Peak	
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Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2483.5	5.08	32.29	37.64	56.55	56.28	74	-17.72	Vertical
4960	10.43	34.45	41.03	46.31	50.16	74	-23.84	Vertical
7440	12.72	37.37	40.01	44.35	54.43	74	-19.57	Vertical
9920	14.24	38.08	37.78	42.66	57.2	74	-16.8	Vertical
12400	17.55	39.34	39.48	41.91	59.32	74	-14.68	Vertical
14880	16.69	41.16	46.61	41.65	52.89	74	-21.11	Vertical
2483.5	5.08	32.29	37.64	55.35	55.08	74	-18.92	Horizontal
4960	10.43	34.45	41.03	45.40	49.25	74	-24.75	Horizontal
7440	12.72	37.37	40.01	44.14	54.22	74	-19.78	Horizontal
9920	14.24	38.08	37.78	45.10	59.64	74	-14.36	Horizontal
12400	17.55	39.34	39.48	41.53	58.94	74	-15.06	Horizontal
14880	16.69	41.16	46.61	41.23	52.47	74	-21.53	Horizontal

Test channel:	Lighoot	Domark:	Average
rest channel.	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2483.5	5.08	32.29	37.64	40.66	40.39	54	-13.61	Vertical
4960	10.43	34.45	41.03	31.98	35.83	54	-18.17	Vertical
7440	12.72	37.37	40.01	30.21	40.29	54	-13.71	Vertical
9920	14.24	38.08	37.78	29.57	44.11	54	-9.89	Vertical
12400	17.55	39.34	39.48	29.21	46.62	54	-7.38	Vertical
14880	16.69	41.16	46.61	29.06	40.3	54	-13.7	Vertical
2483.5	5.08	32.29	37.64	40.13	39.86	54	-14.14	Horizontal
4960	10.43	34.45	41.03	31.18	35.03	54	-18.97	Horizontal
7440	12.72	37.37	40.01	30.20	40.28	54	-13.72	Horizontal
9920	14.24	38.08	37.78	31.13	45.67	54	-8.33	Horizontal
12400	17.55	39.34	39.48	29.10	46.51	54	-7.49	Horizontal
14880	16.69	41.16	46.61	29.02	40.26	54	-13.74	Horizontal



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5.10 Conducted Emission

Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.4: 2003					
Test Frequency Range:	150kHz to30MHz					
Limit:	Frequency	Limits dB	(uV) Average			
	0.15MHz-0.50MHz	66-56	56-46			
	0.50MHz-5MHz	56	46			
	5MHz-30MHz	60	50			
Test Procedure: Test setup:	a. The EUT was placed on a table b. Maximum procedure was perforensure EUT compliance. c. Repeat above procedures until Reference Plane AUX Equipment Test table / insulation plane	rmed on the six highest all frequency measured	emissions to were complete. Filter Power MI Receiver			
Test Instruments:	Refer to section 4.7 for details	Refer to section 4.7 for details				
Test mode:	Non-hopping transmitting with modulation.					
Test results:	Passed					



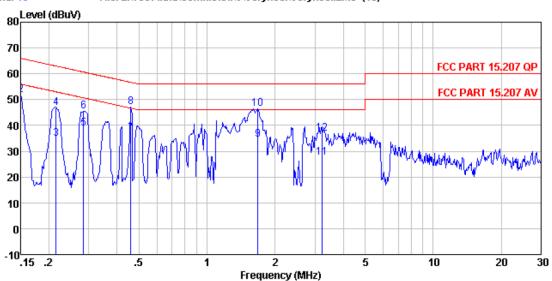
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Measurement Result:

Test mode: Bluetooth transmitting

Line:





Condition

: FCC PART 15.207 QP LISN LINE : GSM Dual Band GPRS Digital Mobile Phone EUT

Model : i600

: Bluetooth transmitting Test mode

: DC 5V By adapter input AC 120V/60Hz

Test engineer: Franks

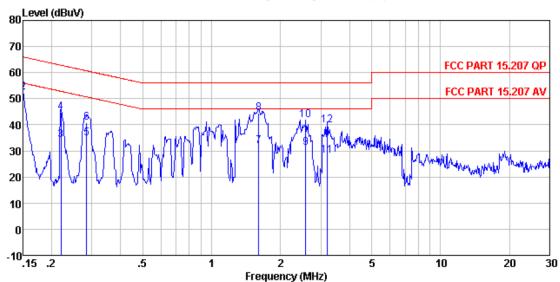
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	dB	₫B	dBuV	dBu₹	dB	
1 2 3	0.1500 0.1500	32.10 48.02	3.69 3.69	0.01 0.01	35.80 51.72		-20.20 -14.28	Average QP
3 4 5	0. 2151 0. 2151	31. 20 43. 10	3. 65 3. 65	0.01 0.01	34. 86 46. 76	63.01	-16.25	
5 6 7	0. 2848 0. 2848 0. 4612	35. 20 41. 94 33. 30	3. 62 3. 62 3. 56	0.01 0.01 0.01	38.83 45.57 36.87		-15.11	Average QP Average
8	0.4612 1.6802	43.58 31.10	3. 56 3. 42	0.01	47. 15 34. 59	56.67	-9.52	
10 11	1.6802 3.2239	43. 12 24. 10	3. 42 3. 35	0.07	46.61 27.67	56.00	-9.39	
12	3. 2239	33.10	3.35	0.22	36.67		-19.33	



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Neutral:





Condition

: FCC PART 15.207 QP LISN NEUTRAL : GSM Dual Band GPRS Digital Mobile Phone

Model : i600

Test mode : Bluetooth transmitting

: DC 5V By adapter input AC 120V/60Hz Power

Test engineer: Franks

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1 2 3	0.1500 0.1500	45. 20 48. 82	3.69 3.69	0.01 0.01	48. 90 52. 52		-7.10 -13.48	Average QP
3 4 5	0.2197 0.2197	30.40 41.30	3.65 3.65	0.01 0.01	34.06 44.96	62.83	-17.87	
5 6 7	0. 2848 0. 2848 1. 6105	31. 20	3. 62 3. 62	0.01	34.83 40.83	60.68	-19.85	
8 9	1.6105 1.6105 2.5807	28. 41 41. 11 27. 50	3. 42 3. 42 3. 37	0.06 0.06 0.17	31.89 44.59 31.04	56.00	-11.41	Average QP Average
10 11	2.5807 3.1900	38. 20 24. 60	3. 37 3. 35	0.17	41.74	56.00	-14.26	_
12	3. 1900	36, 20	3, 35	0. 22	39. 77		-16, 23	