





# FCC EMI TEST REPORT

FCC ID	:	APYHRO00275
Equipment	:	Smart phone
Brand Name	:	SHARP
Applicant	:	SHARP CORPORATION
		2-13-1, Hachihonmatsu-Iida, Higashi-hiroshima-shi, Hiroshima pref. 739-0192, Japan
Manufacturer	:	SHARP CORPORATION
		1 Takumi-Cho, Sakai-Ku, Sakai-Shi, Osaka 590-8522, Japan
Standard	:	FCC 47 CFR FCC Part 15 Subpart B

The product was received on Jul. 30, 2019 and testing was started from Aug. 09, 2019 and completed on Sep. 18, 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 C63.4-2014 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 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.

Louis Wu

Approved by: Louis Wu SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



# **Table of Contents**

His	tory o	f this test report	3
Su	mmary	/ of Test Result	4
1.	Gene	ral Description	5
	1.1. 1.2. 1.3. 1.4.	Product Feature of Equipment Under Test Modification of EUT Test Location Applicable Standards	5 5 5 5
2.	Test	Configuration of Equipment Under Test	6
	2.1. 2.2. 2.3. 2.4.	Test Mode Connection Diagram of Test System Support Unit used in test configuration and system EUT Operation Test Setup	6 7 7 8
3.	Test I	Result	9
	3.1. 3.2.	Test of AC Conducted Emission Measurement Test of Radiated Emission Measurement1	9 1
4.	List o	of Measuring Equipment1	3
5.	Unce	rtainty of Evaluation1	4
Ар	pendix	A. AC Conducted Emission Test Result	

Appendix B. Radiated Emission Test Result

Appendix C. Setup Photographs





# History of this test report

Report No.	Version	Description	Issued Date
FC973034	01	Initial issue of report	Sep. 18, 2019



# **Summary of Test Result**

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 12.46 dB at 0.204 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 6.72 dB at 210.630 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: Dara Chiu**

**Report Producer: Tina Chuang** 



## 1. General Description

### **1.1. Product Feature of Equipment Under Test**

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.

Product Specification subjective to this standard				
	WWAN: ILA & IFA Antenna			
	WLAN: IFA Antenna			
Antenna Type	Bluetooth: IFA Antenna			
	GPS/Glonass/BDS/Galileo: ILA Antenna			
	NFC: Loop Antenna			

### **1.2. Modification of EUT**

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

### 1.3. Test Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory				
	No.52, Huaya 1st Rd., Guishan Dist.,				
Test Site	Taoyuan City, Taiwan (R.O.C.)				
Location	TEL: +886-3-327-3456				
	FAX: +886-3-328-4978				
Toot Site No	Sporton Site No.				
Test Sile No.	CO05-HY	03CH06-HY			

FCC Designation No.: TW1093

### 1.4. Applicable Standards

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

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2014

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



#### **Test Configuration of Equipment Under Test** 2.

#### 2.1. **Test Mode**

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type				
	Mode 1: GSM850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + Camera (Front) + Earphone + USB Cable (Charging from Adapter)				
	Mode 2: WCDMA Band V Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging from Adapter)				
AC Conducted Emission	Mode 3: LTE Band 5 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter)				
Linission	Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx + Earphone + USB Cable (Charging from Adapter)				
	Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On + Earphone + USB Cable (Data Link with Notebook)				
	Mode 1: GSM850 Idle + Bluetooth Link + WLAN (2.4GHz) Link + Camera (Front) + Earphone + USB Cable (Charging from Adapter)				
	Mode 2: WCDMA Band V Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging from Adapter)				
Radiated Emissions	Mode 3: LTE Band 5 Idle + Bluetooth Idle + WLAN (2.4GHz) Idle + MPEG4 + Earphone + USB Cable (Charging from Adapter)				
Mode 4: LTE Band 12 Idle + Bluetooth Idle + WLAN (5GHz) Idle + GPS Rx Earphone + USB Cable (Charging from Adapter) Mode 5: LTE Band 17 Idle + Bluetooth Idle + WLAN (5GHz) Idle + NFC On Earphone + USB Cable (Data Link with Notebook)					
1. The worst	case of AC is mode 1; only the test data of this mode was reported.				
2. The worst	case of RE is mode 5; only the test data of this mode was reported.				
<ol> <li>Data Linkir Notebook.</li> </ol>	ting with Notebook means data application transferred mode between EUT and				



# 2.2. Connection Diagram of Test System



#### Support Unit used in test configuration and system 2.3.

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
3.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
5.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
6.	WLAN AP	ASUS	RT-AC1750	MSQ-RTAC66U	N/A	Unshielded,1.8m
7.	iPod Apple /		A1285	FCC DoC	Shielded, 1.0 m	N/A
8.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
10.	SD Card	SanDisk	MicroSD HC	OSD HC FCC DoC N/A		N/A
11.	Earphone	SHARP	N/A	FCC DoC	Unshielded,1.2m	N/A
12.	Earphone	Sharp	RPHOEA007 AFZZ	AB-HI02JS	Unshielded,1.2m	N/A
13.	Adapter	SHARP	N/A	N/A	N/A	N/A
14.	USB Cable	SHARP	N/A	N/A	Unshielded,1m	N/A

: Sep. 18, 2019



### 2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP or Notebook, and the following programs installed in the EUT were programmed during the test:

- 1. Data application is transferred between Laptop and EUT via USB cable.
- 2. Execute "GPS Test" to make the EUT receive continuous signals from GPS station.
- 3. Execute "Video player" to play MPEG4 files.
- 4. Turn on camera to capture images.
- 5. Turn on NFC function.



### 3. Test Result

### 3.1. Test of AC Conducted Emission Measurement

### 3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission	Conducted limit (dBuV)			
(MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		

\*Decreases with the logarithm of the frequency.

### 3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.1.3 Test Procedure

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



#### 3.1.4 Test Setup



### 3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.



### 3.2. Test of Radiated Emission Measurement

#### 3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement Distance	
(MHz)	(microvolts/meter)	(meters)	
30 – 88	100	3	
88 – 216	150	3	
216 - 960	200	3	
Above 960	500	3	

#### 3.2.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.2.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level



#### 3.2.4. Test Setup of Radiated Emission

#### For radiated emissions from 30MHz to 1GHz



#### For radiated emissions above 1GHz



#### 3.2.5. Test Result of Radiated Emission

Please refer to Appendix B.



#### List of Measuring Equipment 4.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 12, 2019~ Aug. 13, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Aug. 12, 2019~ Aug. 13, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Aug. 12, 2019~ Aug. 13, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Aug. 12, 2019~ Aug. 13, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 12, 2019~ Aug. 13, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Aug. 12, 2019~ Aug. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Aug. 12, 2019~ Aug. 13, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Amplifier	SONOMA	310N	186713	9kHz~1GHz	May 01, 2019	Sep. 18, 2019	Apr. 30, 2020	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL 6111C & N-6-06	2725 & AT-N0601	30MHz~1GHz	Jan. 10, 2019	Aug. 09, 2019	Jan. 09, 2020	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 08, 2019	Aug. 09, 2019	Jan. 07, 2020	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 24, 2018	Aug. 09, 2019	Aug. 23, 2019	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1850117	1GHz~18GHz	May 23, 2019	Aug. 09, 2019	May 22, 2020	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1m~4m	N/A	Aug. 09, 2019	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Aug. 09, 2019	N/A	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-24(k 5)	N/A	N/A	Aug. 09, 2019	N/A	Radiation (03CH06-HY)
RF Cable	HUBER+SUH NER/WOKEN/ HARBOUR INDUSTRIES	SUCOFLEX 104 /STORM/LL14 2	MY24966/4/ 00100A1O2A 178T/ CA3601-3601 -1000	30MHz-26GHz	Nov. 22, 2018	Aug. 09, 2019	Nov. 21, 2019	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 08, 2019	Sep. 18, 2019	Jan. 07, 2020	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 30, 2019	Sep. 18, 2019	Aug. 29, 2020	Radiation (03CH06-HY)
Preamplifier	MITEQ	00101800-30-1 0P	1850117	1GHz~18GHz	May 23, 2019	Sep. 18, 2019	May 22, 2020	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1m~4m	N/A	Sep. 18, 2019	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Sep. 18, 2019	N/A	Radiation (03CH06-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Sep. 18, 2019	N/A	Radiation (03CH06-HY)
RF Cable	HUBER+SUH NER/WOKEN/ HARBOUR INDUSTRIES	SUCOFLEX 104 /STORM/LL14 2	MY24966/4/ 00100A1O2A 178T/ CA3601-3601 -1000	30MHz-26GHz	Nov. 22, 2018	Sep. 18, 2019	Nov. 21, 2019	Radiation (03CH06-HY)



# 5. Uncertainty of Evaluation

#### Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence	2.2
of 95% (U = 2Uc(y))	۷.۷

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

Measuring Uncertainty for a Level of Confidence	2.0
of 95% (U = 2Uc(y))	3.9

#### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	4.7
of 95% (U = 2Uc(y))	4.7



# Appendix A. AC Conducted Emission Test Results

Test Engineer	limmy Chong	Temperature :	<b>23.0~24.7</b> ℃
Iest Engineer : Jimmy Chang	Relative Humidity :	58.9~64.7%	

### **EUT Information**

Report NO : Test Mode : Test Voltage : Phase : 973034 Mode 1 120Vac/60Hz Line



#### FullSpectrum

### Final\_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)			(dB)
0.156750		31.51	55.63	24.12	L1	OFF	19.4
0.156750	42.43		65.63	23.20	L1	OFF	19.4
0.204000		37.80	53.45	15.65	L1	OFF	19.4
0.204000	50.99		63.45	12.46	L1	OFF	19.4
0.210750		33.25	53.18	19.93	L1	OFF	19.4
0.210750	48.58		63.18	14.60	L1	OFF	19.4
0.332250		30.52	49.40	18.88	L1	OFF	19.4
0.332250	42.08		59.40	17.32	L1	OFF	19.4
0.413250		31.18	47.58	16.40	L1	OFF	19.4
0.413250	40.36		57.58	17.22	L1	OFF	19.4
0.543750		29.68	46.00	16.32	L1	OFF	19.4
0.543750	38.67		56.00	17.33	L1	OFF	19.4
2.080500		26.69	46.00	19.31	L1	OFF	19.5
2.080500	33.17		56.00	22.83	L1	OFF	19.5
4.938000		29.27	46.00	16.73	L1	OFF	19.6
4.938000	35.29		56.00	20.71	L1	OFF	19.6
9.181500		30.05	50.00	19.95	L1	OFF	19.8
9.181500	36.84		60.00	23.16	L1	OFF	19.8
15.650250		28.81	50.00	21.19	L1	OFF	20.0
15.650250	36.27		60.00	23.73	L1	OFF	20.0

### **EUT Information**

Report NO : Test Mode : Test Voltage : Phase : 973034 Mode 1 120Vac/60Hz Neutral



#### FullSpectrum

### Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.199500		34.10	53.63	19.53	Ν	OFF	19.5
0.199500	47.07		63.63	16.56	Ν	OFF	19.5
0.330000		27.89	49.45	21.56	Ν	OFF	19.5
0.330000	37.60		59.45	21.85	Ν	OFF	19.5
0.665250		25.89	46.00	20.11	Ν	OFF	19.5
0.665250	31.54		56.00	24.46	Ν	OFF	19.5
1.306500		24.11	46.00	21.89	Ν	OFF	19.5
1.306500	27.48		56.00	28.52	Ν	OFF	19.5
5.282250		28.29	50.00	21.71	Ν	OFF	19.7
5.282250	32.88		60.00	27.12	Ν	OFF	19.7
15.317250		26.98	50.00	23.02	Ν	OFF	20.1
15.317250	31.83		60.00	28.17	Ν	OFF	20.1
23.687250		25.02	50.00	24.98	Ν	OFF	20.4
23.687250	26.09		60.00	33.91	Ν	OFF	20.4



# **Appendix B. Radiated Emission Test Result**

	You Ying Chan Nick Yu		Temp	Temperature :			23~27°C				
Test Engineer :	YOU XI	na Chen, N	ICK YU	Relati	ve Hur	nidity :	40~5	40~50%			
Test Distance :	3m			Polari	zation	:	Horiz	Horizontal			
Remark :	#6 is s	ystem simu	lator signa	al which	n can b	e ignore	ed.				
97Level	l (dBuV/m)								Date: 201	9-09-18	
84.9											
72.8									FCC CL	-6dB	
a na											
00.0	6							FCC	CLASS-	B (AVG)	
48.5				10	11			1	2	18dB	
36.4	<b>⊢</b> °	y									
5	7										
24.3											
12.1											
030	1000.	3000.	5000	). Freque	7000. מכע (MHz)	(	9000.	110	00.	13000	
Site	:	03СН06-НУ		Troque	109 (11112)						
Condition	n :	FCC CLASS-	B 3m 9120D	_1156_1	80824 H	HORIZO	NTAL				
Project	:	973034 Enom Sveten	<b>.</b>								
Memo	:	Mode 5									
	:	SD to NB									
	Frea	0۱ Level Lim	ver Limit Nit Line	ReadA Level	ntenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	
						·	<u></u>				
	μυτ	abuvym	ab abuvym	abuv	ub/m	uв	uв	Cm	ueg		
1	159.87	33.44 -10.	06 43.50	46.81	16.80	1.43	31.60	 100	 0	Peak	
3	291.63	35.49 -10.	51 46.00	45.59	19.40	2.04	31.54			Peak	
4	380.50	37.16 -8.	84 46.00	45.10	21.40	2.30	31.64			Peak	
5	502.30	30.54 -15.	46 46.00	35.76	23.94	2.66	31.82			Peak	
6 * 7	911.80	32.50 30.79 -15.	21 46.00	29.23	27.40	5.32 3.74	31.22			reak Peak	
8 1	L330.00	41.34 -32.	66 74.00	70.47	26.03	4.77	59.93			Peak	
9 3	3385.00	40.87 -33.	13 74.00	64.52	28.13	7.78	59.56			Peak	
10 5	905.00	42.69 -31.	31 74.00	55.19	32.47	11.10	56.07			Peak	
12 16	9949.00	47.20 -26.	80 74.00	50.07	54.50 40.45	12.95	58.44			Peak	
13 12	2482.00	48.65 -25.	35 74.00	51.02	38.40	16.36	57.13	100	0	Peak	



		Ver Vize Ober Niels Ver		Temp	Temperature :			23~27°C				
Test Engineer :	You Xi	na Che	Relative Humidity :			: 40~5	40~50%					
Test Distance :	3m				Polari	zation	:	Vertic	Vertical			
Remark :	#4 is s	system	simulat	or signa	al which	n can b	e ignor	ed.				
		<b>,</b>		5 -			- 0 -					
										Data: 204	0.00.40	
97	el (dBuV/m)	)								Date: 201	9-09-18	
84.9												
70.0										FCC CL	ASS-B	
72.8											-6dB	
60.6												
	4								FCO	CLASS-I	B (AVG)	
48.5						11			1;	<u> </u>	-68B	
L L	8		9	10	1							
36.4	67											
	56											
24.3												
12.1												
<sup>0</sup> 30	1000.	30	100.	5000	Freque	7000. ncv (MHz)		9000.	110	00.	13000	
Site	:	:036H06	5-НУ		•							
Conditio	n :	FCC CLA	\SS-В Э	m 9120D	_1156_3	180824	VERTIC/	AL				
Project	:	973034										
Power	:	From Sy	/stem									
Memo	:	Mode 5										
1	:	SD to N	IB Over	limi+	Read	\ntonno	Cable	Booomo	A/Por	T /Pos		
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	AJIOS	17105	Remark	
	MHz		dB				dB	dB		deg		
		,		,		,				0		
4										_		
	46.47	32.58	-7.42	40.00	46.86	16.50	0.84 1 43	31.62 31.61	100	0	Peak Peak	
2	46.47 154.20 208 74	32.58 35.85 33.55	-7.42 -7.65 -9.95	40.00 43.50 43 50	46.86 48.83 47 39	16.50 17.20 16 10	0.84 1.43 1.62	31.62 31.61 31.56	100 	0 	Peak Peak Peak	
1 2 3 4 *	46.47 154.20 208.74 740.30	32.58 35.85 33.55 52.82	-7.42 -7.65 -9.95	40.00 43.50 43.50	46.86 48.83 47.39 53.90	16.50 17.20 16.10 27.40	0.84 1.43 1.62 3.32	31.62 31.61 31.56 31.80	100  	0  	Peak Peak Peak Peak	
1 2 3 4 * 5	46.47 154.20 208.74 740.30 832.00	32.58 35.85 33.55 52.82 29.91	-7.42 -7.65 -9.95 -16.09	40.00 43.50 43.50 46.00	46.86 48.83 47.39 53.90 29.79	16.50 17.20 16.10 27.40 28.14	0.84 1.43 1.62 3.32 3.55	31.62 31.61 31.56 31.80 31.57	100   	0   	Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6	46.47 154.20 208.74 740.30 832.00 931.40	32.58 35.85 33.55 52.82 29.91 30.01	-7.42 -7.65 -9.95 -16.09 -15.99	40.00 43.50 43.50 46.00 46.00	46.86 48.83 47.39 53.90 29.79 27.74	16.50 17.20 16.10 27.40 28.14 29.52	0.84 1.43 1.62 3.32 3.55 3.79	31.62 31.61 31.56 31.80 31.57 31.04	100   	0   	Peak Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6 7	46.47 154.20 208.74 740.30 832.00 931.40 955.90	32.58 35.85 33.55 52.82 29.91 30.01 30.61	-7.42 -7.65 -9.95 -16.09 -15.99 -15.39	40.00 43.50 43.50 46.00 46.00	46.86 48.83 47.39 53.90 29.79 27.74 28.02	16.50 17.20 16.10 27.40 28.14 29.52 29.42	0.84 1.43 1.62 3.32 3.55 3.79 3.98	31.62 31.61 31.56 31.80 31.57 31.04 30.81	100    	0   	Peak Peak Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6 7 8	46.47 154.20 208.74 740.30 832.00 931.40 955.90 1645.00	32.58 35.85 33.55 52.82 29.91 30.01 30.61 40.28	-7.42 -7.65 -9.95 -16.09 -15.99 -15.39 -33.72	40.00 43.50 43.50 46.00 46.00 74.00	46.86 48.83 47.39 53.90 29.79 27.74 28.02 69.23	16.50 17.20 16.10 27.40 28.14 29.52 29.42 25.30	0.84 1.43 1.62 3.32 3.55 3.79 3.98 5.35	31.62 31.61 31.56 31.80 31.57 31.04 30.81 59.60	100    	0    	Peak Peak Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6 7 8 9 10	46.47 154.20 208.74 740.30 832.00 931.40 955.90 1645.00 3125.00	32.58 35.85 33.55 52.82 29.91 30.01 30.61 40.28 42.92 41 53	-7.42 -7.65 -9.95 -16.09 -15.99 -15.39 -33.72 -31.08 -32.47	40.00 43.50 43.50 46.00 46.00 46.00 74.00 74.00 74.00	46.86 48.83 47.39 53.90 29.79 27.74 28.02 69.23 66.02 58.70	16.50 17.20 16.10 27.40 28.14 29.52 29.42 25.30 28.85 31 80	0.84 1.43 1.62 3.32 3.55 3.79 3.98 5.35 7.48 9.78	31.62 31.61 31.56 31.80 31.57 31.04 30.81 59.60 59.43 58 84	100     	0	Peak Peak Peak Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6 7 8 9 10 11	46.47 154.20 208.74 740.30 832.00 931.40 955.90 1645.00 3125.00 5140.00 6637.00	32.58 35.85 33.55 52.82 29.91 30.01 30.61 40.28 42.92 41.53 47.01	-7.42 -7.65 -9.95 -16.09 -15.99 -15.39 -33.72 -31.08 -32.47 -26.99	40.00 43.50 43.50 46.00 46.00 46.00 74.00 74.00 74.00 74.00 74.00	46.86 48.83 47.39 53.90 29.79 27.74 28.02 69.23 66.02 58.79 56.81	16.50 17.20 16.10 27.40 28.14 29.52 29.42 25.30 28.85 31.80 34.30	0.84 1.43 1.62 3.32 3.55 3.79 3.98 5.35 7.48 9.78 12.75	31.62 31.61 31.56 31.80 31.57 31.04 30.81 59.60 59.43 58.84 56.85	100      	0     	Peak Peak Peak Peak Peak Peak Peak Peak	
1 2 3 4 * 5 6 7 8 9 10 11 12 1	46.47 154.20 208.74 740.30 832.00 931.40 955.90 1645.00 3125.00 5140.00 6637.00 0928.00	32.58 35.85 33.55 52.82 29.91 30.01 30.61 40.28 42.92 41.53 47.01 46.83	-7.42 -7.65 -9.95 -16.09 -15.99 -33.72 -31.08 -32.47 -26.99 -27.17	40.00 43.50 43.50 46.00 46.00 74.00 74.00 74.00 74.00 74.00 74.00	46.86 48.83 47.39 53.90 29.79 27.74 28.02 69.23 66.02 58.79 56.81 49.76	16.50 17.20 16.10 27.40 28.14 29.52 29.42 25.30 28.85 31.80 34.30 40.43	0.84 1.43 1.62 3.32 3.55 3.79 3.98 5.35 7.48 9.78 12.75 15.12	31.62 31.61 31.56 31.80 31.57 31.04 30.81 59.60 59.43 58.84 56.85 58.48	100        	0      	Peak Peak Peak Peak Peak Peak Peak Peak	