





FCC EMI TEST REPORT

FCC ID	:	NM82Q6U100
Equipment	:	Smart Hub
Model Name	:	2Q6U100
Applicant	:	HTC Corporation
		No.88, Sec. 3, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Manufacturer	:	HTC Corporation
		No.88, Sec. 3, Zhongxing Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Standard	:	FCC 47 CFR FCC Part 15 Subpart B

The product was received on Dec. 20, 2018 and testing was started from Jan. 15, 2019 and completed on Jan. 16, 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.

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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

His	story c	of this test report	3
Su	mmar	y of Test Result	4
1.	Gene	eral Description	5
	1.1. 1.2. 1.3. 1.4.	Modification of EUT	5 5
2.	Test	Configuration of Equipment Under Test	6
	2.1. 2.2. 2.3. 2.4.	Connection Diagram of Test System Support Unit used in test configuration and system EUT Operation Test Setup	
3.	Test	Result	8
	3.2.	Test of AC Conducted Emission Measurement	10
4.	List o	of Measuring Equipment	12
		ertainty of Evaluation	13
Αр	penar	x A. AC Conducted Emission Test Result	

Appendix B. Radiated Emission Test Result



History of this test report

Report No.	Version	Description	Issued Date
FC8D2018	01	Initial issue of report	Mar. 13, 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 8.72 dB at 0.418 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 5.90 dB at 40.760 MHz for Quasi-Peak

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: Louis Wu

Report Producer: Polly Tsai



1. General Description

1.1. Product Feature of Equipment Under Test

LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, WiGig, and 5G NR.

Product Specification subjective to this standard					
Antenna Type	WWAN: <ant. 1="">: Fixed Internal PIFA Antenna <ant. 2="">: Fixed Internal Dipole Antenna <ant. 3="">: Fixed Internal PCB Antenna WLAN: <ant. 1="">: Fixed Internal PCB Antenna <ant. 2="">: Fixed Internal PIFA Antenna Bluetooth: Fixed Internal PCB Antenna WiGig: Fixed Internal Array Antenna 5G NR: Fixed Internal PCB Antenna</ant.></ant.></ant.></ant.></ant.>				

1.2. Modification of EUT

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

1.3. Test Location

COLECCULION						
Test Site	SPORTON INTERNATIONAL INC.					
T	No.52, Huaya 1st Rd., Guishan Dist.	,				
	Taoyuan City, Taiwan (R.O.C.)					
Test Site Location	TEL: +886-3-327-3456					
	FAX: +886-3-328-4978					
Test Site No	Sporton	Site No.				
Test Site 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.



2. Test Configuration of Equipment Under Test

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

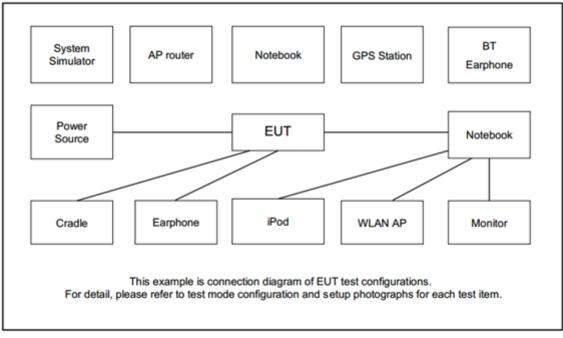
to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

٦	Test Items	Function Type				
AC	Conducted	Mode 1: LTE Band 5 Idle + Bluetooth Idle + WLAN Idle + WiGig on + H-Pattern + Adapter + LAN Link + USB Data Link with Notebook				
Emiss	Emission	Mode 2: LTE Band 71 Idle + Bluetooth Idle + WLAN Idle + WiGig on + MPEG4 + Adapter + LAN Link + USB Data Link with Notebook				
	Radiated Emissions	Mode 1: LTE Band 5 Idle + Bluetooth Idle + WLAN Idle + WiGig on + H-Pattern + Adapter + LAN Link + USB Data Link with Notebook				
E		Mode 2: LTE Band 71 Idle + Bluetooth Idle + WLAN Idle + WiGig on + MPEG4 + Adapter + LAN Link + USB Data Link with Notebook				
Rem	ark:					
1.	The worst case of AC is mode 1; only the test data of this mode was reported.					
2	The worst case	e of RE is mode 1: only the test data of this mode was reported				

2. The worst case of RE is mode 1; only the test data of this mode was reported.

3. Data Link with Notebook means data application transferred mode between EUT and Notebook.

2.2. Connection Diagram of Test System



2.3. Support Unit used in test configuration and system

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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
5.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	Notebook	ASUS	P2430U	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone, and turned on hotspot mode to link with notebook via WLAN, 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 "Video Player" to play MPEG4 files.
- 3. Execute "H Pattern" to show "H" patterns via HDMI Cable on the Monitor.
- 4. Turn on WiGig function.
- 5. EUT links with Notebook via RJ-45 and executes ping.



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	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

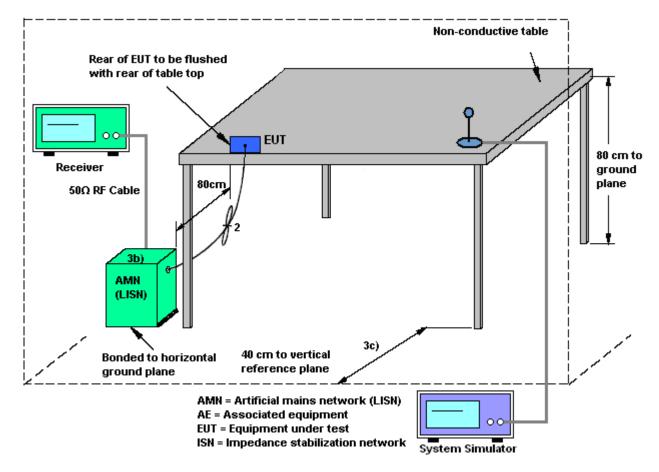
Refer a test equipment and calibration data table in this test report.

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.

TEL : 886-3-327-3456	Page Number	: 9 of 13
FAX : 886-3-328-4978	Issued Date	: Mar. 13, 2019
Report Template No.: BU5-FD15BS Version 2.4	Report Version	: 01



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.

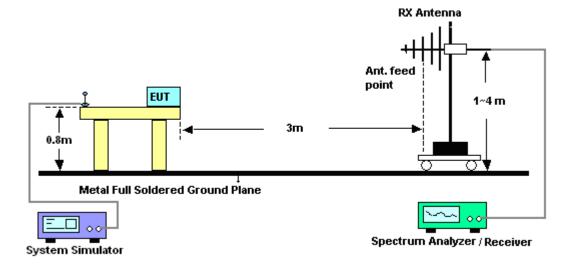
3.2.3. Test Procedures

- 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 μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

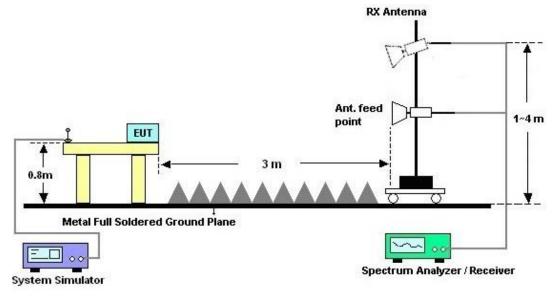


3.2.4. Test Setup of Radiated Emission

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.



4. List of Measuring Equipment

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	Jan. 16, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Jan. 16, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jan. 16, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jan. 16, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 16, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jan. 16, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jan. 16, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C&N -6-06	2725&AT- N0601	30MHz~1GHz	Oct. 13, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	Oct. 12, 2019	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Jan. 02, 2019	Jan. 15, 2019 ~ Jan. 16, 2019	Jan. 01, 2020	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-115 6	1GHz~18GHz	Aug. 24, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	Aug. 23, 2019	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	May 02, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	May 01, 2019	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1850117	1GHz ~ 18GHz	May 24, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	May 23, 2019	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208 212	1m~4m	N/A	Jan. 15, 2019 ~ Jan. 16, 2019	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Jan. 15, 2019 ~ Jan. 16, 2019	N/A	Radiation (03CH06-HY)
Test Software	AUDIX	e3	6.2009-8-2 4(k5)	N/A	N/A	Jan. 15, 2019 ~ Jan. 16, 2019	N/A	Radiation (03CH06-HY)
RF Cable	HUBER+SUH NER/WOKEN/ HARBOUR INDUSTRIES	SUCOFLEX 104 /STORM/LL14 2	MY24966/ 4/ 00100A1O 2A178T/ CA3601-3 601-1000	30MHz-26GHz	Nov. 22, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	Nov. 21, 2019	Radiation (03CH06-HY)
Filter	Microwave	H1G013G1	SN477215	1.0G High Pass	Nov. 02, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	Nov. 01, 2019	Radiation (03CH06-HY)
Filter	Wainwright	WLKS1200-8 SS	SN3	1.2G Low Pass	Nov. 02, 2018	Jan. 15, 2019 ~ Jan. 16, 2019	Nov. 01, 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))	2.2

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

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



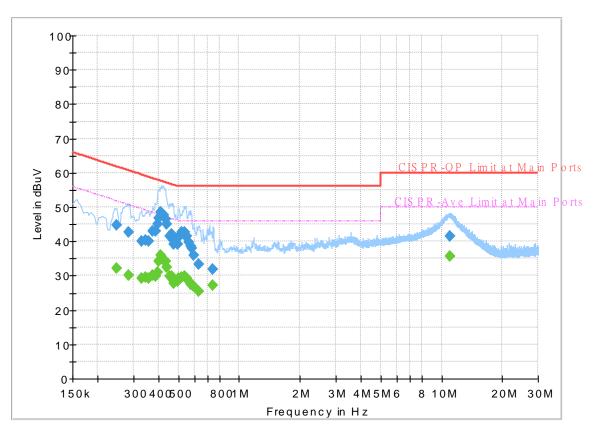
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Diak Lin	Temperature :	22~23 ℃
rest Engineer.		Relative Humidity :	60~62%

:

EUT Information

Report NO : Test Mode : Test Voltage : Phase : 8D2018 Mode 1 120Vac/60Hz Line



FullSpectrum

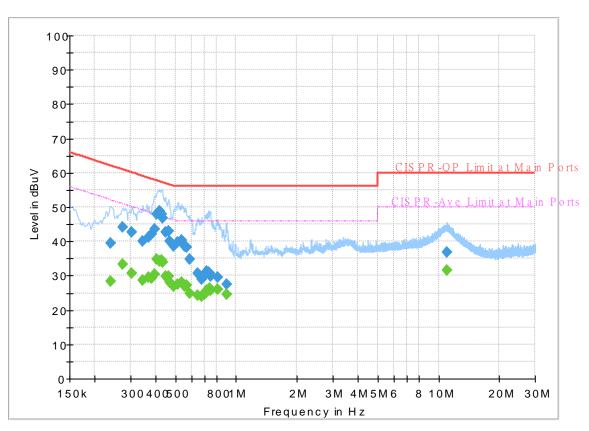
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.246750		32.25	51.87	19.62	L1	OFF	19.5
0.246750	44.79		61.87	17.08	L1	OFF	19.5
0.285000		30.12	50.67	20.55	L1	OFF	19.5
0.285000	42.79		60.67	17.88	L1	OFF	19.5
0.327750		29.14	49.51	20.37	L1	OFF	19.5
0.327750	40.10		59.51	19.41	L1	OFF	19.5
0.345750		29.40	49.06	19.66	L1	OFF	19.5
0.345750	40.23		59.06	18.83	L1	OFF	19.5
0.354750		29.32	48.85	19.53	L1	OFF	19.5
0.354750	40.03		58.85	18.82	L1	OFF	19.5
0.375000		30.18	48.39	18.21	L1	OFF	19.5
0.375000	42.97		58.39	15.42	L1	OFF	19.5
0.386250		29.97	48.14	18.17	L1	OFF	19.5
0.386250	42.86		58.14	15.28	L1	OFF	19.5
0.393000		31.03	48.00	16.97	L1	OFF	19.5
0.393000	45.04		58.00	12.96	L1	OFF	19.5
0.399750		34.26	47.86	13.60	L1	OFF	19.5
0.399750	46.68		57.86	11.18	L1	OFF	19.5
0.408750		36.04	47.67	11.63	L1	OFF	19.5
0.408750	48.59		57.67	9.08	L1	OFF	19.5
0.415500		35.26	47.54	12.28	L1	OFF	19.5

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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0.462750		29.90		16.74		-	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0.462750	42.00		56.64	14.64	L1	-	19.5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0.469500		29.48		-		-	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.476250		27.88	46.40	18.52	L1	OFF	19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.476250	39.12		56.40	17.28	L1	OFF	19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.494250		28.25	46.10	17.85	L1	OFF	19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.494250	39.14		56.10	16.96	L1	OFF	19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.501000		29.36	46.00	16.64	L1	OFF	19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.501000	41.22		56.00	14.78	L1		19.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.519000		29.47	46.00	16.53	L1	OFF	19.5
0.534750 42.61 56.00 13.39 L1 OFF 19.5 0.546000 29.41 46.00 16.59 L1 OFF 19.5 0.546000 41.44 56.00 14.56 L1 OFF 19.5 0.548250 29.21 46.00 16.79 L1 OFF 19.5 0.548250 41.41 56.00 14.59 L1 OFF 19.5 0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.579700 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 35.93	0.519000	42.76		56.00	13.24	L1	OFF	19.5
0.546000 29.41 46.00 16.59 L1 OFF 19.5 0.546000 41.44 56.00 14.56 L1 OFF 19.5 0.548250 29.21 46.00 16.79 L1 OFF 19.5 0.548250 41.41 56.00 14.59 L1 OFF 19.5 0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 37.91 26.60 18.63 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21	0.534750		29.83	46.00	16.17	L1	OFF	19.5
0.546000 41.44 56.00 14.56 L1 OFF 19.5 0.548250 29.21 46.00 16.79 L1 OFF 19.5 0.548250 41.41 56.00 14.59 L1 OFF 19.5 0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.595500 37.91 56.00 18.09 L1 OFF 19.5 0.595500 35.93 26.81 46.00 19.19 L1 OFF 19.5 0.633750 </td <td>0.534750</td> <td>42.61</td> <td></td> <td>56.00</td> <td>13.39</td> <td>L1</td> <td>OFF</td> <td>19.5</td>	0.534750	42.61		56.00	13.39	L1	OFF	19.5
0.548250 29.21 46.00 16.79 L1 OFF 19.5 0.548250 41.41 56.00 14.59 L1 OFF 19.5 0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 35.93 26.81 46.00 19.19 L1 OFF 19.5 0.633750 33.21 25.42 46.00 20.58 L1 OFF 19.6 <	0.546000		29.41	46.00	16.59	L1	OFF	19.5
0.548250 41.41 56.00 14.59 L1 OFF 19.5 0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 37.91 56.00 20.07 L1 OFF 19.5 0.595500 35.93 26.81 46.00 19.19 L1 OFF 19.5 0.633750 33.21 56.00 20.07 L1 OFF 19.6 0.741750	0.546000	41.44		56.00	14.56	L1	OFF	19.5
0.561750 28.47 46.00 17.53 L1 OFF 19.5 0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 37.91 56.00 18.09 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21 56.00 20.78 L1 OFF 19.6 0.741750 31.92 56.00 22.79 L1 OFF 19.6 0.741750 31.92 </td <td>0.548250</td> <td></td> <td>29.21</td> <td>46.00</td> <td>16.79</td> <td>L1</td> <td>OFF</td> <td>19.5</td>	0.548250		29.21	46.00	16.79	L1	OFF	19.5
0.561750 39.65 56.00 16.35 L1 OFF 19.5 0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 37.91 56.00 18.09 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21 56.00 20.78 L1 OFF 19.6 0.741750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 </td <td>0.548250</td> <td>41.41</td> <td></td> <td>56.00</td> <td>14.59</td> <td>L1</td> <td>OFF</td> <td>19.5</td>	0.548250	41.41		56.00	14.59	L1	OFF	19.5
0.573000 27.51 46.00 18.49 L1 OFF 19.5 0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 26.81 46.00 19.19 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21 56.00 20.78 L1 OFF 19.6 0.741750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 31.92 26.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250	0.561750		28.47	46.00	17.53	L1	OFF	19.5
0.573000 38.61 56.00 17.39 L1 OFF 19.5 0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 26.81 46.00 19.19 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21 56.00 20.78 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.561750	39.65		56.00	16.35	L1	OFF	19.5
0.579750 27.37 46.00 18.63 L1 OFF 19.5 0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 26.81 46.00 19.19 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 33.21 56.00 20.58 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.573000		27.51	46.00	18.49	L1	OFF	19.5
0.579750 37.91 56.00 18.09 L1 OFF 19.5 0.595500 26.81 46.00 19.19 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 25.42 46.00 20.58 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.573000	38.61		56.00	17.39	L1	OFF	19.5
0.595500 26.81 46.00 19.19 L1 OFF 19.5 0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 25.42 46.00 20.58 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.579750		27.37	46.00	18.63	L1	OFF	19.5
0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 25.42 46.00 20.58 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.579750	37.91		56.00	18.09	L1	OFF	19.5
0.595500 35.93 56.00 20.07 L1 OFF 19.5 0.633750 25.42 46.00 20.58 L1 OFF 19.6 0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.595500		26.81	46.00	19.19	L1	OFF	19.5
0.633750 33.21 56.00 22.79 L1 OFF 19.6 0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.595500	35.93			20.07	L1	OFF	19.5
0.741750 27.07 46.00 18.93 L1 OFF 19.6 0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.633750		25.42	46.00	20.58	L1	OFF	19.6
0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.633750	33.21		56.00	22.79	L1	OFF	19.6
0.741750 31.92 56.00 24.08 L1 OFF 19.6 10.997250 35.68 50.00 14.32 L1 OFF 19.9	0.741750		27.07	46.00	18.93	L1	OFF	19.6
	0.741750	31.92			24.08	L1	OFF	19.6
10.997250 41.63 60.00 18.37 L1 OFF 19.9	10.997250		35.68	50.00	14.32	L1	OFF	19.9
	10.997250	41.63		60.00	18.37	L1	OFF	19.9

EUT Information

Report NO : Test Mode : Test Voltage : Phase : 8D2018 Mode 1 120Vac/60Hz Neutral



FullSpectrum

Final_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)			(dB)
0.240000		28.36	52.10	23.74	Ν	OFF	19.5
0.240000	39.40		62.10	22.70	Ν	OFF	19.5
0.273750		33.22	51.00	17.78	Ν	OFF	19.5
0.273750	44.29		61.00	16.71	Ν	OFF	19.5
0.305250		30.56	50.10	19.54	Ν	OFF	19.5
0.305250	42.57		60.10	17.53	Ν	OFF	19.5
0.343500		28.57	49.12	20.55	Ν	OFF	19.5
0.343500	40.08		59.12	19.04	Ν	OFF	19.5
0.370500		29.67	48.49	18.82	Ν	OFF	19.5
0.370500	41.22		58.49	17.27	Ν	OFF	19.5
0.384000		29.31	48.19	18.88	Ν	OFF	19.5
0.384000	42.06		58.19	16.13	Ν	OFF	19.5
0.393000		30.48	48.00	17.52	Ν	OFF	19.5
0.393000	43.53		58.00	14.47	Ν	OFF	19.5
0.404250		34.90	47.77	12.87	Ν	OFF	19.5
0.404250	47.84		57.77	9.93	Ν	OFF	19.5
0.417750		34.30	47.49	13.19	Ν	OFF	19.5
0.417750	48.77		57.49	8.72	Ν	OFF	19.5
0.429000		34.41	47.27	12.86	Ν	OFF	19.5
0.429000	47.90	-	57.27	9.37	Ν	OFF	19.5
0.433500		33.87	47.19	13.32	Ν	OFF	19.5

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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.433500	46.77		57.19	10.42	Ν	OFF	19.5
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			29.74		-			
0.462750 42.87 56.64 13.77 N OFF 19.5 0.469500 27.96 46.52 18.56 N OFF 19.5 0.469500 40.09 27.01 46.13 19.12 N OFF 19.5 0.492000 27.01 46.13 19.12 N OFF 19.5 0.492000 38.62 56.13 17.51 N OFF 19.5 0.514500 39.67 56.00 18.62 N OFF 19.5 0.534750 27.96 46.00 18.04 N OFF 19.5 0.534750 40.31 56.00 17.40 N OFF 19.5 0.557250 38.60 56.00 17.43 N OFF 19.5 0.570750 27.11 46.00 21.03 N OFF 19.5 0.586500 <		42.69						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			29.91					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0.462750	42.87		56.64	-		-	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0.469500		27.96				-	
0.492000 38.62 56.13 17.51 N OFF 19.5 0.514500 27.38 46.00 18.62 N OFF 19.5 0.514500 39.67 56.00 16.33 N OFF 19.5 0.534750 27.96 46.00 18.04 N OFF 19.5 0.537050 26.98 46.00 19.02 N OFF 19.5 0.557250 26.98 46.00 18.89 N OFF 19.5 0.557250 26.98 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.40 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.674250 23.9	0.469500	40.09		56.52	16.43		-	19.5
0.514500 27.38 46.00 18.62 N OFF 19.5 0.514500 39.67 56.00 16.33 N OFF 19.5 0.534750 27.96 46.00 18.04 N OFF 19.5 0.534750 40.31 56.00 19.02 N OFF 19.5 0.557250 26.98 46.00 19.02 N OFF 19.5 0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.43 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 23.90 46.00 22.10 N OFF 19.6 0.674250 23	0.492000		27.01	46.13	19.12	Ν	OFF	19.5
0.514500 39.67 56.00 16.33 N OFF 19.5 0.534750 27.96 46.00 18.04 N OFF 19.5 0.534750 40.31 56.00 15.69 N OFF 19.5 0.557250 26.98 46.00 19.02 N OFF 19.5 0.557250 26.98 46.00 18.89 N OFF 19.5 0.557050 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 21.03 N OFF 19.5 0.586500 24.97 46.00 21.38 N OFF 19.5 0.647250 24.16 46.00 21.44 N OFF 19.6 0.674250 23.90 46.00 21.37 N OFF 19.6 0.674250 28.84 <	0.492000	38.62		56.13	17.51	Ν	OFF	19.5
0.534750 27.96 46.00 18.04 N OFF 19.5 0.534750 40.31 56.00 15.69 N OFF 19.5 0.557250 26.98 46.00 19.02 N OFF 19.5 0.557250 27.11 46.00 18.89 N OFF 19.5 0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.6 0.647250 24.16 46.00 21.84 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 25.70<	0.514500		27.38	46.00	18.62		-	19.5
0.534750 40.31 56.00 15.69 N OFF 19.5 0.557250 26.98 46.00 19.02 N OFF 19.5 0.557250 38.60 56.00 17.40 N OFF 19.5 0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.712500 25.70<	0.514500	39.67		56.00	16.33		OFF	19.5
0.557250 26.98 46.00 19.02 N OFF 19.5 0.557250 38.60 56.00 17.40 N OFF 19.5 0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.696750 23.90 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500	0.534750		27.96	46.00	18.04	Ν	OFF	
0.557250 38.60 56.00 17.40 N OFF 19.5 0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 30.60 56.00 25.40 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.696750 23.60 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35	0.534750	40.31		56.00	15.69	Ν	OFF	19.5
0.570750 27.11 46.00 18.89 N OFF 19.5 0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 23.90 46.00 22.10 N OFF 19.6 0.674250 23.90 46.00 21.37 N OFF 19.6 0.696750 24.63 46.00 20.30 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 25.45 N OFF 19.6 0.728250 30.98	0.557250		26.98		19.02	Ν	OFF	19.5
0.570750 38.17 56.00 17.83 N OFF 19.5 0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 30.60 56.00 25.40 N OFF 19.6 0.674250 30.60 56.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76	0.557250	38.60		56.00	17.40	Ν	OFF	19.5
0.586500 24.97 46.00 21.03 N OFF 19.5 0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 30.60 56.00 25.40 N OFF 19.6 0.647250 30.60 23.90 46.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.737250	0.570750		27.11	46.00	18.89	Ν	OFF	19.5
0.586500 34.84 56.00 21.16 N OFF 19.5 0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 30.60 56.00 25.40 N OFF 19.6 0.647250 23.90 46.00 22.10 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.737250	0.570750	38.17		56.00	17.83	Ν	OFF	19.5
0.647250 24.16 46.00 21.84 N OFF 19.6 0.647250 30.60 56.00 25.40 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 29.74 <	0.586500		24.97	46.00	21.03	Ν	OFF	19.5
0.647250 30.60 56.00 25.40 N OFF 19.6 0.674250 23.90 46.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 29.74	0.586500	34.84		56.00	21.16	Ν	OFF	19.5
0.674250 23.90 46.00 22.10 N OFF 19.6 0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.738250 30.98 56.00 25.02 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74	0.647250		24.16	46.00	21.84	Ν	OFF	19.6
0.674250 28.84 56.00 27.16 N OFF 19.6 0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 29.48	0.647250	30.60		56.00	25.40	Ν	OFF	19.6
0.696750 24.63 46.00 21.37 N OFF 19.6 0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 30.98 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750	0.674250		23.90	46.00	22.10	Ν	OFF	19.6
0.696750 30.15 56.00 25.85 N OFF 19.6 0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 30.98 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 <	0.674250	28.84		56.00	27.16	Ν	OFF	19.6
0.712500 25.70 46.00 20.30 N OFF 19.6 0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.892500	0.696750		24.63	46.00	21.37	Ν	OFF	19.6
0.712500 31.35 56.00 24.65 N OFF 19.6 0.728250 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39	0.696750	30.15		56.00	25.85	Ν	OFF	19.6
0.728250 25.76 46.00 20.24 N OFF 19.6 0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 <	0.712500		25.70	46.00	20.30	Ν	OFF	19.6
0.728250 30.98 56.00 25.02 N OFF 19.6 0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500	0.712500	31.35		56.00	24.65	Ν	OFF	19.6
0.737250 26.31 46.00 19.69 N OFF 19.6 0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.728250		25.76	46.00	20.24	Ν	OFF	19.6
0.737250 30.71 56.00 25.29 N OFF 19.6 0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.728250	30.98		56.00	25.02	Ν	OFF	19.6
0.746250 25.76 46.00 20.24 N OFF 19.6 0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.737250		26.31	46.00	19.69	Ν	OFF	19.6
0.746250 29.74 56.00 26.26 N OFF 19.6 0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.737250	30.71		56.00	25.29	Ν	OFF	19.6
0.813750 26.01 46.00 19.99 N OFF 19.6 0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.746250		25.76	46.00	20.24	Ν	OFF	19.6
0.813750 29.48 56.00 26.52 N OFF 19.6 0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.746250	29.74		56.00	26.26	Ν	OFF	19.6
0.892500 24.48 46.00 21.52 N OFF 19.6 0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.813750		26.01	46.00	19.99	Ν	OFF	19.6
0.892500 27.39 56.00 28.61 N OFF 19.6 10.963500 31.67 50.00 18.33 N OFF 20.0	0.813750	29.48		56.00	26.52	Ν	OFF	19.6
10.963500 31.67 50.00 18.33 N OFF 20.0	0.892500		24.48	46.00	21.52	Ν	OFF	19.6
	0.892500	27.39		56.00	28.61	Ν	OFF	19.6
10.963500 36.70 60.00 23.30 N OFF 20.0	10.963500		31.67	50.00	18.33	Ν	OFF	20.0
	10.963500	36.70		60.00	23.30	Ν	OFF	20.0



Appendix B. Radiated Emission Test Result

fest Engineer :					_	Temp	erature	:	25~2	7°C			
Test Engine	er:	Eric Je	eng and	I Yuan I	Lee	Relati	ve Hun	nidity :	50~5	50~52%			
Test Distand	ce :	3m				Polari	Polarization :			Horizontal			
Remark :		#7 is s	system s	simulat	or signa	al which can be ignored.							
,	97	l (dBuV/m)				1				Date: 201	9-01-16	
87	7.3												
77	7.6										FCC CI	ASS-B	
67	7.9											-6dB	
58	B.2	7									C CLASS-		
48	B.5			8			10	- 11		12		<u>-1631B</u>	
		6		ĭ	9								
38	8.8	5											
29	9.1												
19	9.4												
	1111												
9	9.7												
9													
9	9.7 0 ₃₀		2624		521			7812.		10406.		13000	
	0 <mark>30</mark>				521		ncy (MHz)	7812.		10406.		13000	
Sit	0 <mark>30</mark>		03CH06	5-НУ		Freque	ncy (MHz)			10406.		13000	
Sit Cor	0 <mark>30</mark>	า :	03CH06	5-НУ 455-в 3	521 m 9120D	Freque	ncy (MHz)		DNTAL	10406.		13000	
Sit Cor Pro	0 ₃₀ te	n :	03CH06 FCC CLA	5-HY 455-B 3		Freque	ncy (MHz)		DNTAL	10406.		13000	
Sit Cor Pro Pov	030 te ndition oject	n : : :	03CH06 FCC CL4 8D2018 120Vac, Mode 1	5-HY 455-B 3 /60Hz		Freque	ncy (MHz)		ONTAL	10406.		13000	
Sit Cor Pro Pov	030 te ndition oject wer	n : : :	03CH06 FCC CL/ 8D2018 120Vac/	6-HY 455-B 3 /60Hz IB	m 9120D	Freque _1156_1	ncy (MHz) .80824 ŀ	HORIZO			I (Por	13000	
Sit Cor Pro Pov	030 te ndition oject wer	ז ו : : :	03CH06 FCC CL4 8D2018 120Vac, Mode 1	6-HY ASS-B3 /60Hz IB Over	m 9120D	Freque _1156_1 ReadA	ncy (MHz) 80824 F	HORIZC Cable	Preamp		T/Pos	13000 Remark	
Sit Cor Pro Pov	030 te ndition oject wer	n : : : Freq	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level	6-HY ASS-B3 /60Hz IB Over Limit	m 9120D Limit Line	Freque _1156_1 ReadA Level	ncy (MHz) 80824 k ntenna Factor	HORIZO Cable Loss	Preamp Factor	A/Pos			
Sit Cor Pro Pov	030 te ndition oject wer	n : : : Freq	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N	6-HY ASS-B3 /60Hz IB Over Limit	m 9120D	Freque _1156_1 ReadA	ncy (MHz) 80824 F	HORIZC Cable	Preamp		T/Pos deg		
Sit Cor Pro Pov Me	030 te ndition oject wer	n : : : : : : : : : : : : : : : : : : :	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 5D to N Level dBuV/m	6-HY ASS-B3 /60Hz IB Over Limit dB	m 9120D Limit Line	Freque _1156_1 ReadA Leve1 dBuV	ncy (MHz) 80824 F Intenna Factor dB/m	HORIZC Cable Loss dB	Preamp Factor	A/Pos	deg		
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61	6-HY 455-B3 /60Hz NB Over Limit dB -15.46 -10.39	m 9120D Limit Line dBuV/m 43.50 46.00	Freque _1156_1 ReadA Leve1 dBuV 40.89 47.26	ncy (MHz) 80824 F Intenna Factor dB/m 17.51 18.20	HORIZC Cable Loss dB 1.36 1.85	Preamp Factor dB 31.72 31.70	A/Pos 	deg	Remark	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05 264.90	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85	6-HY 455-B 3 /60Hz NB 0ver Limit -15.46 -10.39 -14.15	m 9120D Limit Line dBuV/m 43.50 46.00 46.00	Freque _1156_1 ReadA Leve1 dBuV 40.89 47.26 42.49	ncy (MHz) 80824 F Intenna Factor dB/m 17.51 18.20 19.12	HORIZC Cable Loss dB 1.36 1.85 1.94	Preamp Factor dB 31.72 31.70 31.70	A/Pos 	deg	Remark Peak Peak Peak	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05 264.90 499.50	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41	6-HY 455-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00	Freque _1156_1 ReadA Leve1 dBuV 40.89 47.26 42.49 43.80	ncy (MHz) 80824 F Intenna Factor dB/m 17.51 18.20 19.12 23.77	HORIZC Cable Loss dB 1.36 1.85 1.94 2.66	Preamp Factor dB 31.72 31.70 31.70 31.82	A/Pos 	deg 133	Remark Peak Peak Peak Peak Peak	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68	6-HY 455-B 3 /60Hz NB 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00	Freque _1156_1 ReadA Leve1 dBuV 40.89 47.26 42.49 43.80 37.55	ncy (MHz) 80824 F solation Factor dB/m 17.51 18.20 19.12 23.77 26.04	HORIZC Cable Loss dB 1.36 1.85 1.94 2.66 3.04	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39	6-HY 455-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32 -7.61	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00	Freque 	ncy (MHz) 80824 F 80824 F sactor dB/m 17.51 18.20 19.12 23.77 26.04 27.80	Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10 878.90	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39 54.69	6-HY 455-B 3 /60Hz NB 0ver Limit dB -15.46 -10.39 -14.15 -7.59 -11.32 -7.61	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00	Freque 	ncy (MHz) 80824 F 80824 F sattor dB/m 17.51 18.20 19.12 23.77 26.04 27.80 28.96	Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37 3.67	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94 31.53	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo 1 2 3 4 5 6 7 * 8	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10 878.90 3000.00	03CH06 FCC CL/ 8D2018 120Vac, Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39 54.69 44.69	6-HY 455-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32 -7.61 -29.31	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00 74.00	Freque 	ncy (MHz) 80824 F 80824 F sator dB/m 17.51 18.20 19.12 23.77 26.04 27.80 28.96 28.50	Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37 3.67 7.18	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94 31.53 61.40	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Sit Cor Pro Pov Me	0_{30} te ndition oject wer emo 1 2 3 4 5 6 7 * 8 2 9	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10 878.90 3000.00 1510.00	03CH06 FCC CL/ 8D2018 120Vac/ Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39 54.69 44.69 40.39	6-HY 455-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32 -7.61 -29.31 -33.61	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00 74.00 74.00	Freque 	ncy (MHz) 80824 F 80824 F sator dB/m 17.51 18.20 19.12 23.77 26.04 27.80 28.96 28.50 30.50	Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37 3.67 7.18 9.43	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94 31.53 61.40 60.44	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Sit Cor Pro Pov Me	0 30 te ndition oject wer emo 1 2 3 4 5 6 7 * 8 2 9 2 0 0 0 0	1 : Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10 878.90 3000.00 1510.00 5908.00	03CH06 FCC CL/ 8D2018 120Vac/ Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39 54.69 44.69 40.39 47.41	6-HY ASS-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32 -7.61 -29.31 -33.61 -26.59	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00 74.00	Freque 	ncy (MHz) 80824 F 80824 F sattor dB/m 17.51 18.20 19.12 23.77 26.04 27.80 28.96 28.50 30.50 35.03	Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37 3.67 7.18 9.43 13.78	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94 31.53 61.40 60.44 58.62	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak Pea	
Sit Cor Pro Pov Me	0_{30} te ndition oject wer emo 1 2 3 4 5 6 7 * 8 2 9 4 5 6 7 * 8 2 9 4 5 6 7 * 8 2 9 4 5 6 7 8 2 8 2 8 9 4 5 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Treq Freq MHz 125.04 250.05 264.90 499.50 624.80 750.10 878.90 8000.00 1510.00 5908.00 8520.00	03CH06 FCC CL/ 8D2018 120Vac/ Mode 1 SD to N Level dBuV/m 28.04 35.61 31.85 38.41 34.68 38.39 54.69 44.69 40.39 47.41 47.24	6-HY ASS-B 3 /60Hz 0ver Limit -15.46 -10.39 -14.15 -7.59 -11.32 -7.61 -29.31 -33.61 -26.59 -26.76	m 9120D Limit Line dBuV/m 43.50 46.00 46.00 46.00 46.00 74.00 74.00 74.00 74.00	Freque 	ncy (MHz) 80824 F 80824 F sattor dB/m 17.51 18.20 19.12 23.77 26.04 27.80 28.96 28.50 30.50 35.03 37.07	HORIZC Cable Loss dB 1.36 1.85 1.94 2.66 3.04 3.37 3.67 7.18 9.43 13.78 13.79	Preamp Factor dB 31.72 31.70 31.70 31.82 31.95 31.94 31.53 61.40 60.44 58.62 57.32	A/Pos cm 100 	deg 133 	Remark Peak Peak Peak Peak Peak Peak Peak Pea	



		Eric Jeng and Yuan Lee				Temperature :			25~27°C			
Test Engineer :	Eric Je				Relati	ve Hun	nidity :	50~52%				
Test Distance :	3m				Polarization :			Vertio	Vertical			
Remark :	#7 is s	system s	simulat	or signa	al which	n can be	e ignore	ed.				
97	vel (dBuV/m)								Date: 201	9-01-16	
87.3												
77.6												
11.0										FCC CI	LASS-B	
67.9											-6dB	
50.0												
58.2	7									CLASS-	B (AVG)	
48.5	—il—					10		11	12	3	<u>-6dB</u>	
	5	8		9								
38.8	4 6											
29.1												
19.4												
9.7												
0 <mark>0</mark> 0		2624.		52	18.		7812.		10406.		13000	
					Freque	ncy (MHz)						
Site		03CH06	-НУ									
Condition		FCC CLA		m 9120D	_1156_1	80824 \	/ERTICA	L				
Project		8D2018										
Power Memo		120Vac, Mode 1	OUHZ									
Menio		SD to N	IR									
				Limit	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos		
	Freq	Level	0ver		ReadA Level			Preamp Factor	A/Pos	T/Pos	Remark	
_		Level dBuV/m	Over Limit						A/Pos	T/Pos deg	Remark 	
-	MHz	dBuV/m	Over Limit 	Line dBuV/m	Level dBuV	Factor 	Loss dB	Factor dB		deg		
	MHz	dBuV/m 34.11	Over Limit dB -5.89	Line dBuV/m	Level dBuV 41.07	Factor 	Loss 	Factor		deg	Peak	
2	MHz 30.27 40.76 58.08	dBuV/m 34.11 34.10 29.71	Over Limit dB -5.89 -5.90 -10.29	Line dBuV/m 40.00 40.00 40.00	Level dBuV 41.07 46.90 48.85	Factor dB/m 24.19 18.34 11.78	Loss dB 0.62 0.62 0.84	Factor dB 31.77 31.76 31.76		deg 257 	Peak QP Peak	
2 3 4	MHz 30.27 40.76 58.08 500.20	dBuV/m 34.11 34.10 29.71 36.17	Over Limit dB -5.89 -5.90 -10.29 -9.83	Line dBuV/m 40.00 40.00 40.00 46.00	Level dBuV 41.07 46.90 48.85 41.54	Factor dB/m 24.19 18.34 11.78 23.79	Loss dB 0.62 0.62 0.84 2.66	Factor dB 31.77 31.76 31.76 31.82	 100 	deg 257 	Peak QP Peak Peak	
2 3 4 5	MHz 30.27 40.76 58.08 500.20 624.80	dBuV/m 34.11 34.10 29.71 36.17 37.95	Over Limit dB -5.89 -5.90 -10.29 -9.83 -8.05	Line dBuV/m 40.00 40.00 40.00 46.00 46.00	Level dBuV 41.07 46.90 48.85 41.54 40.82	Factor dB/m 24.19 18.34 11.78 23.79 26.04	Loss dB 0.62 0.62 0.84 2.66 3.04	Factor dB 31.77 31.76 31.76 31.82 31.95	 100 	deg 257 	Peak QP Peak Peak Peak	
2 3 4	MHz 30.27 40.76 58.08 500.20	dBuV/m 34.11 34.10 29.71 36.17 37.95 33.96	Over Limit dB -5.89 -5.90 -10.29 -9.83	Line dBuV/m 40.00 40.00 40.00 46.00 46.00	Level dBuV 41.07 46.90 48.85 41.54 40.82	Factor dB/m 24.19 18.34 11.78 23.79	Loss dB 0.62 0.62 0.84 2.66	Factor dB 31.77 31.76 31.76 31.82	 100 	deg 257 	Peak QP Peak Peak	
2 3 4 5 6 7 * 8	MHz 30.27 40.76 58.08 500.20 624.80 750.10 879.60 2664.00	dBuV/m 34.11 34.10 29.71 36.17 37.95 33.96 50.74 43.05	Over Limit dB -5.89 -5.90 -10.29 -9.83 -8.05 -12.04 -30.95	Line dBuV/m 40.00 40.00 40.00 46.00 46.00 46.00 74.00	Level dBuV 41.07 46.90 48.85 41.54 40.82 34.73 49.65 69.26	Factor dB/m 24.19 18.34 11.78 23.79 26.04 27.80 28.95 27.83	Loss dB 0.62 0.62 0.84 2.66 3.04 3.37 3.67 6.76	Factor dB 31.77 31.76 31.76 31.82 31.95 31.94 31.53 61.20	cm 100 	deg 257 	Peak QP Peak Peak Peak Peak Peak	
2 3 4 5 6 7 * 8 9	MHz 30.27 40.76 58.08 500.20 624.80 750.10 879.60 2664.00 4494.00	dBuV/m 34.11 34.10 29.71 36.17 37.95 33.96 50.74 43.05 42.76	Over Limit dB -5.89 -5.90 -10.29 -9.83 -8.05 -12.04 -30.95 -31.24	Line dBuV/m 40.00 40.00 40.00 46.00 46.00 46.00 74.00 74.00	Level dBuV 41.07 46.90 48.85 41.54 40.82 34.73 49.65 69.26 62.75	Factor dB/m 24.19 18.34 11.78 23.79 26.04 27.80 28.95 27.83 30.50	Loss dB 0.62 0.62 0.84 2.66 3.04 3.37 3.67 6.76 9.46	Factor dB 31.77 31.76 31.76 31.82 31.95 31.94 31.53 61.20 60.50	cm 100 	deg 257 	Peak QP Peak Peak Peak Peak Peak Peak Peak	
2 3 4 5 7 * 8 9 10	MHz 30.27 40.76 58.08 500.20 624.80 750.10 879.60 2664.00 4494.00 6928.00	dBuV/m 34.11 34.10 29.71 36.17 37.95 33.96 50.74 43.05 42.76 46.69	Over Limit dB -5.89 -5.90 -10.29 -9.83 -8.05 -12.04 -30.95 -31.24 -27.31	Line dBuV/m 40.00 40.00 40.00 46.00 46.00 46.00 74.00 74.00 74.00 74.00	Level dBuV 41.07 46.90 48.85 41.54 40.82 34.73 49.65 69.26 62.75 55.69	Factor dB/m 24.19 18.34 11.78 23.79 26.04 27.80 28.95 27.83 30.50 35.07	Loss dB 0.62 0.62 0.84 2.66 3.04 3.37 3.67 6.76 9.46 13.72	Factor dB 31.77 31.76 31.76 31.76 31.82 31.95 31.94 31.53 61.20 60.50 58.62	cm 100 	deg 257 	Peak QP Peak Peak Peak Peak Peak Peak Peak	
2 3 4 5 6 7 * 8 9 10 11	MHz 30.27 40.76 58.08 500.20 624.80 750.10 879.60 2664.00 4494.00	dBuV/m 34.11 34.10 29.71 36.17 37.95 33.96 50.74 43.05 42.76 46.69 48.55	Over Limit dB -5.89 -5.90 -10.29 -9.83 -8.05 -12.04 -30.95 -31.24 -27.31 -25.45	Line dBuV/m 40.00 40.00 40.00 46.00 46.00 46.00 74.00 74.00 74.00 74.00	Level dBuV 41.07 46.90 48.85 41.54 40.82 34.73 49.65 69.26 62.75 55.69 53.42	Factor dB/m 24.19 18.34 11.78 23.79 26.04 27.80 28.95 27.83 30.50 35.07 37.57	Loss dB 0.62 0.62 0.84 2.66 3.04 3.37 3.67 6.76 9.46	Factor dB 31.77 31.76 31.76 31.76 31.82 31.95 31.94 31.53 61.20 60.50 58.62 57.83	cm 100 	deg 257 	Peak QP Peak Peak Peak Peak Peak Peak Peak	



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