



# **FCC EMI TEST REPORT**

FCC ID	:	LHJ-FE4RW0110
Equipment	:	FE4RW0110
Brand Name	:	Continental
Model Name	:	FE4RW0110
Applicant	:	Continental Automotive Systems, Inc. 21440 W Lake Cook Rd.
Manufacturer	:	Continental Automotive Systems, Inc. 21440 W Lake Cook Rd.
Standard	:	FCC 47 CFR FCC Part 15 Subpart B Class B

The product was received on May 06, 2021 and testing was started from May 15, 2021 and completed on May 18, 2021. 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 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 333, Taiwan (R.O.C.)



# **Table of Contents**

His	tory o	f this test report	3
Sur	nmary	/ of Test Result	4
1.	Gene	ral Description	5
	1.1. 1.2. 1.3. 1.4. 1.5.	Product Feature of Equipment Under Test Product Specification of Equipment Under Test Modification of EUT Test Location Applicable Standards	5 6 7
2.	Test	Configuration of Equipment Under Test	8
	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	9 9
3.	Test I	Result	10
	3.1. 3.2.	Test of AC Conducted Emission Measurement Test of Radiated Emission Measurement	
4.	List o	of Measuring Equipment	14
5.	Unce	rtainty of Evaluation	15
Арј	oendix	A. AC Conducted Emission Test Result	
Ap	oendix	B. Radiated Emission Test Result	

Appendix C. Setup Photographs



# History of this test report

Report No.	Version	Description	Issued Date
FC150634-01	01	Initial issue of report	Jun. 07, 2021



# **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 18.66 dB at 0.501 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 12.70 dB at 958.290 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: Yun Huang**

**Report Producer: Lucy Wu** 



# 1. General Description

# 1.1. Product Feature of Equipment Under Test

	Product Feature
Equipment	FE4RW0110
Brand Name	Continental
Model Name	FE4RW0110
FCC ID	LHJ-FE4RW0110
EUT supports Radios application	GPRS/EGPRS/WCDMA/HSPA/LTE/GNSS
HW Version	P4
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

# 1.2. Product Specification of Equipment Under Test

Product Specification subjective to this standard			
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 38 : 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz		
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV: 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz LTE Band 38 : 2572.5 MHz ~ 2687.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz GNSS : 1.57542 GHz; 1176.45 MHz (GPS / Glonass / Galileo / BDS / SBAS)		



Product Specification subjective to this standard			
Antenna Type	Fixed External Antenna Antenna Model name: SPDA24700/2700		
	Antenna Manufactory: Pulse electronics		
	698-960 MHz : 2dBi		
Antenna Gain	1710-2170 MHz : 2dBi		
	2500-2700MHz : 2dBi		
	GSM/GPRS: GMSK		
	EDGE(MCS 0-4): GMSK/(MCS 5-9): 8PSK		
	WCDMA: QPSK (Uplink)		
Type of Modulation	HSDPA: 64QAM (Downlink)		
	HSUPA : OPSK (Uplink)		
	LTE: QPSK / 16QAM / 64QAM		
	GNSS: BPSK		

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

### **1.3. Modification of EUT**

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



### 1.4. Test Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
	No.52, Huaya 1st Rd., Guishan Dist.,
Test Site Location	Taoyuan City 333, Taiwan (R.O.C.)
	TEL: +886-3-327-3456
	FAX: +886-3-328-4978
Test Site No.	Sporton Site No.
Test Sile NO.	CO05-HY
Test Site	Sporton International Inc. Wensan Laboratory
	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,
Test Site Location	Taoyuan City 333010, Taiwan (R.O.C.)
Test Sile Location	TEL: +886-3-327-0868
	FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	03CH10-HY (TAF Code: 3786)
Remark	The Radiated Emission test item subcontracted to Sporton International Inc.
	Wensan Laboratory.

FCC designation No.: TW1093 and TW1132

### **1.5. 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 Class 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.

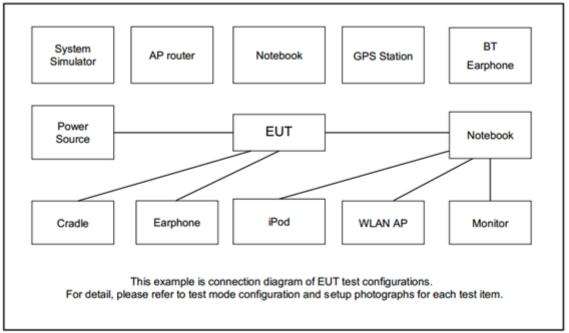
Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type				
AC Conducted	Mode 1: GSM850 (GPRS Class 8) Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
Emission	Mode 2: WCDMA Band II Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
LIIISSION	Mode 3: LTE Band 41 Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
Dedicted	Mode 1: GSM850 (GPRS Class 8) Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
Radiated Emissions	Mode 2: WCDMA Band II Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
Emissions	Mode 3: LTE Band 41 Idle + WWAN Antenna *2 + Car Battery (DC 12V)				
Remark:					
1. The worst of	st case of AC is mode 2; only the test data of this mode was reported.				
2. The worst of	worst case of RE is mode 2; only the test data of this mode was reported.				

 For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850); only the worst case for cellular band test data of this mode was reported.



# 2.2. Connection Diagram of Test System



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

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Dipole Antenna	Larsen	SPDA24700/2700	N/A	N/A	N/A
3.	Car Battery	GS	65B24LS	N/A	N/A	N/A

# 2.4. EUT Operation Test Setup

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

TEL : 886-3-327-3456	Page Number	: 9 of 15
FAX : 886-3-328-4978	Issued Date	: Jun. 07, 2021
Report Template No.: BU5-FD15B Version 2.5	Report Version	: 01



# 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

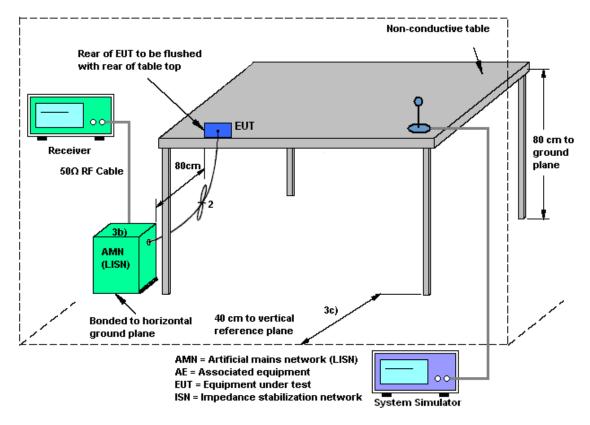
Refer a test equipment and calibration data table in this test report.

### 3.1.3. Test Procedure

- 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 shall 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:

#### <Class B>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (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.

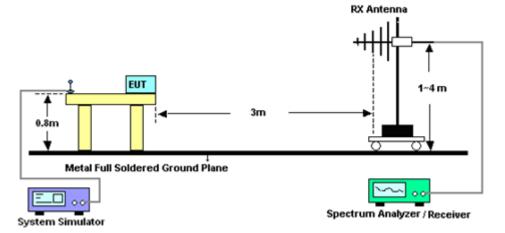
### 3.2.3. Test Procedures

- 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 is a Bi-Log antenna and its 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=120 kHz/VBW=300 kHz for frequency below 1 GHz; RBW=1 MHz VBW=3 MHz (Peak), RBW=1 MHz/VBW=10 Hz (Average) for frequency above 1 GHz).
- 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

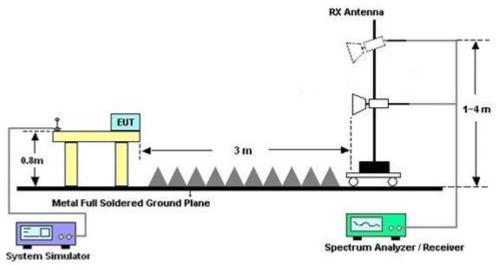


### 3.2.4. Test Setup of Radiated Emission

#### 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.



# 4. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 21, 2020	May 15, 2021	Oct. 20, 2021	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35413 & 02	30MHz~1GHz	Feb. 10, 2021	May 15, 2021	Feb. 09, 2022	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Aug. 04, 2020	May 15, 2021	Aug. 03, 2021	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800- 30-10P	160118550004	1GHz~18GHz	Mar. 01, 2021	May 15, 2021	Feb. 28, 2022	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY53470118	10Hz~44GHz	Jan. 15, 2021	May 15, 2021	Jan. 14, 2022	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 15, 2021	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 15, 2021	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	May 15, 2021	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	May 15, 2021	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY55420170	20MHz~8.4GHz	May 21, 2020	May 15, 2021	May 20, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	30MHz~1GHz	Nov. 06, 2020	May 15, 2021	Nov. 05, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE, MY11693/4PE, MY2855/2	1GHz~18GHz	Nov. 06, 2020	May 15, 2021	Nov. 05, 2021	Radiation (03CH10-HY)
DC- LISN	ROLF HEINE	LN-KFZ/200	03/10219	100kHz – 108MHz	Nov. 18, 2020	May 18, 2021	Nov. 17, 2021	Conduction (CO05-HY)
DC- LISN	ROLF HEINE	LN-KFZ/200	03/10220	100kHz – 108MHz	Nov. 18, 2020	May 18, 2021	Nov. 17, 2021	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	May 18, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	May 18, 2021	Nov. 17, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 18, 2021	N/A	Conduction (CO05-HY)
ISN Cable	MVE	RG-400	200260	N/A	Dec. 31, 2020	May 18, 2021	Dec. 30, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	May 18, 2021	Feb. 24, 2022	Conduction (CO05-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))	2.3

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

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

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

Measuring Uncertainty for a Level of Confidence	5.1
of 95% (U = 2Uc(y))	5.1



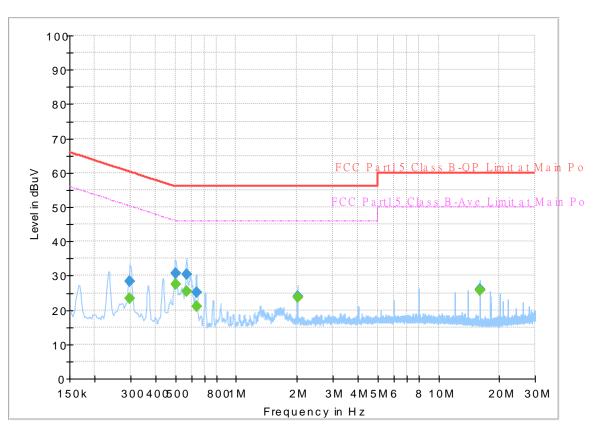
# Appendix A. AC Conducted Emission Test Results

Test Engineer :	Tom Loo	Temperature :	<b>23~26</b> ℃
rest Engineer .		Relative Humidity :	40~50%

# **EUT Information**

Report NO :	
Test Mode :	
Test Voltage :	
Phase :	

150634-01 Mode 2 12V DC Positive



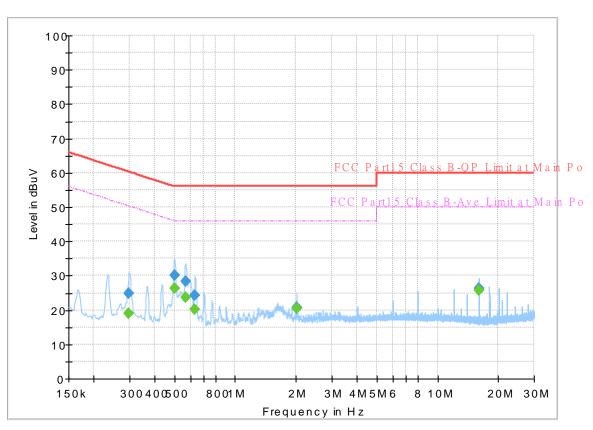
#### FullSpectrum

### Final\_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.298320	28.50		60.29	31.79	Positive	10.0
0.298320		23.32	50.29	26.97	Positive	10.0
0.500820	30.68		56.00	25.32	Positive	10.1
0.500820		27.34	46.00	18.66	Positive	10.1
0.567150	30.38		56.00	25.62	Positive	10.1
0.567150		25.58	46.00	20.42	Positive	10.1
0.636090	25.08		56.00	30.92	Positive	10.2
0.636090		20.98	46.00	25.02	Positive	10.2
2.006430	23.86		56.00	32.14	Positive	10.3
2.006430		23.79	46.00	22.21	Positive	10.3
16.055880	25.96		60.00	34.04	Positive	10.4
16.055880		25.75	50.00	24.25	Positive	10.4

### **EUT Information**

Report NO : Test Mode : Test Voltage : Phase : 150634-01 Mode 2 12V DC Negative



#### Full Spectrum

### Final\_Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.298500		18.89	50.28	31.39	Negative	10.0
0.298500	24.80		60.28	35.48	Negative	10.0
0.501000		26.22	46.00	19.78	Negative	10.1
0.501000	30.01		56.00	25.99	Negative	10.1
0.566250		23.62	46.00	22.38	Negative	10.2
0.566250	28.43		56.00	27.57	Negative	10.2
0.633750		20.09	46.00	25.91	Negative	10.2
0.633750	24.35		56.00	31.65	Negative	10.2
2.006250		20.45	46.00	25.55	Negative	10.4
2.006250	20.74		56.00	35.26	Negative	10.4
16.053000		25.62	50.00	24.38	Negative	10.4
16.053000	26.40		60.00	33.60	Negative	10.4



# Appendix B. Radiated Emission Test Result

Toot Ene	nincor	lohnn				Tempe	erature	:	22.2~	-23.4°C		
Test Eng	Jineer	: Johnn	y nsier	I		Relativ	ve Hun	nidity :	59.9~	-61.4%		
Test Dist	tance :	: 3m				Polari	zation	:	Horiz	ontal		
Remark	•	#8 is s	ystem	simulat	or signa	al which	n can be	eignore	ed.			
	97	vel (dBuV/m)									Date: 202	1-05-15
	84.9											
											FCC CL	ASS-B
	72.8											
	60.6		8							FC	C CLASS-I	B (AVG)
	48.5	7						11		12		3
	40.0 -				9		10					
	36.4	6										
		Ð										
	24.3	գ_∭										
	2											
	12.1											
	12.1											
		1000.	30	000.	5000		7000.		9000.	110	000.	13000
	12.1 0 <sub>30</sub>	1000.	3(	000.	5000		7000. ncy (MHz)		9000.	110	000.	13000
	0 <sub>30</sub> Site	:	03CH10	)-НУ		Freque	ncy (MHz)			110	000.	13000
	0 <sub>30</sub> Site Conditi	: ion :	03CH10 FCC CL/	)-НУ 455-В 3	5000 m HORN	Freque	ncy (MHz)			110	000.	13000
	0 <sub>30</sub> Site Conditi Project	: ion : t :	03CH10 FCC CL/ 150634	)-НУ 455-В 3		Freque	ncy (MHz)			110	000.	13000
	0 <sub>30</sub> Site Conditi	ion : t :	03CH10 FCC CL/	)-НУ 455-В 3		Freque	ncy (MHz)			110	000.	13000
	0 <sub>30</sub> Site Conditi Project Power	: ion : t : :	03CH10 FCC CL/ 150634 DC 12V 2	)-HY 455-B3 -01 Over	m HORN LimitA	Freque	ncy (MHz) HF HOR Read	IZONT Cable	AL			
	0 <sub>30</sub> Site Conditi Project Power	: ion : t : :	03CH10 FCC CL/ 150634 DC 12V 2	)-HY 455-B3 -01 Over	m HORN	Freque	ncy (MHz) HF HOR Read	IZONT Cable	AL			13000 Remark
	0 <sub>30</sub> Site Conditi Project Power	ion : t : Freq	03CH10 FCC CL/ 150634 DC 12V 2	)-HY ASS-B3 -01 Over Limit	m HORN LimitA	Freque	ncy (MHz) HF HOR Read	IZONT Cable	AL			
	0 <sub>30</sub> Site Conditi Project Power	ion : t : Freq MHz	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m	O-HY ASS-B3 -01 Over Limit dB	m HORN LimitA Line	Freque 9120D- Antenna Factor dB/m	NCY (MHZ) HF HOR Read Level dBuV	IZONT Cable Loss dB	AL Preamp Factor	A/Pos	T/Pos 	
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91	0-HY 455-B 3 -01 0ver Limit -18.50 -25.59	m HORN LimitA Line dBuV/m 40.00 43.50	Freques 9120D- Antenna Factor dB/m 23.84 16.11	Read Level dBuV 29.66 32.89	Cable Loss dB 0.64 1.44	AL Preamp Factor dB 32.64 32.53	A/Pos cm	T/Pos deg	Remark
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79	0-HY 455-B 3 -01 0ver Limit -18.50 -25.59 -23.21	m HORN LimitA Line dBuV/m 40.00 43.50 46.00	Freque 9120D- antenna Factor dB/m 23.84 16.11 20.11	Read Level dBuV 29.66 32.89 33.02	Cable Loss dB 0.64 1.44 2.06	AL Preamp Factor dB 32.64 32.53 32.40	A/Pos 	T/Pos 	Remark Peak Peak Peak
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79	0-HY 455-B 3 -01 0ver Limit -18.50 -25.59 -23.21 -16.21	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00	Freque 9120D- antenna Factor 0B/m 23.84 16.11 20.11 28.52	Read Level dBuV 29.66 32.89 33.02 30.47	Cable Loss dB 0.64 1.44 2.06 3.17	AL Preamp Factor dB 32.64 32.53 32.40 32.37	A/Pos 	T/Pos 	Remark Peak Peak Peak Peak Peak
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71	0-HY 455-B 3 -01 0ver Limit -18.50 -25.59 -23.21 -16.21 -15.29	m HORN LimitA Line dBuV/m 40.00 43.50 46.00	Freque 9120D- antenna Factor dB/m 23.84 16.11 20.11	Read Level dBuV 29.66 32.89 33.02	Cable Loss dB 0.64 1.44 2.06	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95	A/Pos 	T/Pos 	Remark Peak Peak Peak
	0 30 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66 867.11	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71 33.30	O-HY 455-B 3 -O1 0ver Limit -18.50 -25.59 -23.21 -16.21 -15.29 -12.70	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00 46.00	Freque 9120D- antenna Factor 23.84 16.11 20.11 28.52 29.14 31.02 24.38	Read Level dBuV 29.66 32.89 33.02 30.47 30.22 29.93 76.80	Cable Loss dB 0.64 1.44 2.06 3.17 3.30	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95 31.14	A/Pos 	T/Pos 	Remark Peak Peak Peak Peak Peak Peak
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66 867.11 958.29 1062.00 1960.00	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71 33.30 46.50 55.38	O-HY 455-B 3 -O1 0ver Limit -18.50 -25.59 -23.21 -16.21 -15.29 -12.70 -27.50	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00 46.00 46.00 74.00	Freque 9120D- antenna Factor 23.84 16.11 20.11 28.52 29.14 31.02 24.38 25.74	Read Level dBuV 29.66 32.89 33.02 30.47 30.22 29.93 76.80 82.86	Cable Loss dB 0.64 1.44 2.06 3.17 3.30 3.49 3.68 5.10	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95 31.14 58.36 58.32	A/Pos 	T/Pos 	Remark Peak Peak Peak Peak Peak Peak Peak Pea
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66 867.11 958.29 1062.00 1960.00 4498.00	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71 33.30 46.50 55.38 43.36	O-HY 455-B 3 -O1 Over Limit -18.50 -25.59 -23.21 -16.21 -15.29 -12.70 -27.50 -30.64	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00 46.00 74.00 74.00	Freque 9120D- antenna Factor 23.84 16.11 20.11 28.52 29.14 31.02 24.38 25.74 30.39	Read Level dBuV 29.66 32.89 33.02 30.47 30.22 29.93 76.80 82.86 63.15	Cable Loss dB 0.64 1.44 2.06 3.17 3.30 3.49 3.68 5.10 8.21	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95 31.14 58.36 58.32 58.39	A/Pos 	T/Pos deg   0  	Remark Peak Peak Peak Peak Peak Peak Peak Pea
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66 867.11 958.29 1062.00 1960.00 4498.00 6972.00	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71 33.30 46.50 55.38 43.36 43.79	O-HY 455-B 3 -01 Over Limit -18.50 -25.59 -23.21 -16.21 -15.29 -12.70 -27.50 -30.64 -30.21	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00 46.00 46.00 74.00 74.00 74.00	Freque 9120D- antenna Factor 23.84 16.11 20.11 28.52 29.14 31.02 24.38 25.74 30.39 35.09	Read Level dBuV 29.66 32.89 33.02 30.47 30.22 29.93 76.80 82.86 63.15 57.27	Cable Loss dB 0.64 1.44 2.06 3.17 3.30 3.49 3.68 5.10 8.21 11.09	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95 31.14 58.36 58.32 58.39 59.66	A/Pos cm  100  	T/Pos deg   0   	Remark Peak Peak Peak Peak Peak Peak Peak Pea
	030 Site Conditi Project Power Mode	ion : t : Freq MHz 30.97 162.89 340.40 784.66 867.11 958.29 1062.00 1960.00 4498.00	03CH10 FCC CL/ 150634 DC 12V 2 Level dBuV/m 21.50 17.91 22.79 29.79 30.71 33.30 46.50 55.38 43.36 43.79 48.30	O-HY 455-B 3 -O1 Over Limit -18.50 -25.59 -23.21 -16.21 -15.29 -12.70 -27.50 -30.64	m HORN LimitA Line dBuV/m 40.00 43.50 46.00 46.00 46.00 46.00 74.00 74.00 74.00 74.00	Freque 9120D- antenna Factor 23.84 16.11 20.11 28.52 29.14 31.02 24.38 25.74 30.39 35.09 36.92	Read Level dBuV 29.66 32.89 33.02 30.47 30.22 29.93 76.80 82.86 63.15 57.27	Cable Loss dB 0.64 1.44 2.06 3.17 3.30 3.49 3.68 5.10 8.21 11.09 11.59	AL Preamp Factor dB 32.64 32.53 32.40 32.37 31.95 31.14 58.36 58.32 58.39 59.66 59.36	A/Pos 	T/Pos deg   0    	Remark Peak Peak Peak Peak Peak Peak Peak Pea



