FCC AND ISED CERTIFICATION TEST REPORT

Applicant:	Guangzhou Shirui Electronics Co.,Ltd
Address:	192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China
Manufacturer:	Guangzhou Shirui Electronics Co.,Ltd
Address:	192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China
Product Description:	Interactive Intelligent Panel
Brand Name:	NA
Tested Model:	CH65GC, CH75GC
FCC ID:	2AFG6-CHXXGC
IC:	22166-CHXXGC
Report No.:	JCF240923023-010
Received Date:	Sep. 18, 2024
Tested Date:	Sep. 18, 2024 - Oct. 25, 2024
Issued Date:	Oct. 25, 2024
Test Standards:	FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 3 August 2023
Test Procedure:	ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Test Result:	Pass

Prepared By:

Kennys Zhang

Kennys Zhang/Engineer **Date:** Oct. 25, 2024

Reviewed By:

Roger Li

Roger Li/Engineer **Date:** Oct. 25, 2024

Approved By:

Talent Zhang

Talent Zhang/Engineer **Date:** Oct. 25, 2024

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 25, 2024	Original Report	/

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1. Test Report Declare

Applicant:	Guangzhou Shirui Electronics Co.,Ltd
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Manufacturer:	Guangzhou Shirui Electronics Co.,Ltd
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Product Name:	Interactive Intelligent Panel
Brand Name:	NA
Model Name:	CH65GC, CH75GC
Difference Description:	Compare with CH65GC, CH75GC only the appearance, size ,LCD panel ,T-CON board and power main board are different, others completely the same.

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Summary of test results

The EUT have been tested according to the applicable standards as referenced below.			
Clause	**Description of Test Item**	**Standard**	**Verdict**
1	6/26dB Bandwidth	FCC 15.407 (a)&(e) RSS-247 Clause 6.2	Pass
2	99% Occupied Bandwidth	RSS-Gen Clause 6.6	Pass
3	Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
4	Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
5	Frequency Stability Measurement	FCC 15.407 (g)	Pass
6	Radiated Band edge and Spurious Emission	FCC 15.407 (b) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	Pass
7	Power Line Conducted Emission	FCC 15.207 RSS-GEN Clause 8.8	Pass
8	Antenna requirement	FCC 15.203 RSS-GEN Clause 8.3	Pass
9	Dynamic Frequency Selection	FCC 15.407 (h) RSS-247 Clause 6.3	Pass
Note: All models' RF hardware and software, including modules, crystal oscillator, antenna, function exactly the same. According to the pretest results, the differences between the models only affect the results of the Radiated Emission (30MHz-40GHz) and Power Line Conducted Emissions. Therefore, in addition to the two test projects, the test results of two models (CH65GC, CH75GC) were recorded, and the test results of the remaining projects were only recorded for the worst model, CH65GC.			

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. Equipment Under Test

4.1. Description of EUT

EUT Name:	Interactive Intelligent Panel
Model Number:	CH65GC, CH75GC
EUT Function Description:	Please refer to user manual of this device
Power Supply:	100-240V~ 50/60Hz 3.5A
Hardware Version:	N/A
Software Version:	N/A
Radio Specification:	IEEE 802.11a/n/ac/ax
Operation Frequency:	EEE 802.11a: 5180MHz—5825MHz IEEE 802.11n HT20: 5180MHz—5825MHz IEEE 802.11n HT40: 5190MHz—5795MHz IEEE 802.11ac VHT20: 5180MHz—5825MHz IEEE 802.11ac VHT40: 5190MHz—5795MHz IEEE 802.11ac VHT80: 5210MHz—5775MHz IEEE 802.11ax HE20: 5180MHz—5825MHz IEEE 802.11ax HE40: 5190MHz—5795MHz IEEE 802.11ax HE80: 5210MHz—5775MHz
Modulation:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac (VHT20/40/80): OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax (HE20/40/80): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Data Rate:	IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps IEEE 802.11n HT20: 7.2, 14.2, 21.7, 28.9, 43.3, 57.8, 65, 72.2 Mbps IEEE 802.11n HT40: 15, 30, 45, 60, 90, 120, 135, 150 Mbps IEEE 802.11ac VHT20: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7 Mbps IEEE 802.11ac VHT40: 15, 30, 45, 60, 90, 120, 135, 150, 180, 200 Mbps IEEE 802.11ac VHT80: 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3 Mbps IEEE 802.11ax HE20: 8.6, 17.2, 25.8, 34.4, 51.6, 68.8, 77.4, 86, 103.2, 114.7, 129, 143.4Mbps IEEE 802.11ax HE40: 17.2, 34.4, 51.6, 68.8, 103.2, 137.6, 154.9, 172.1, 206.5, 229.4, 258.1, 286.8Mbps IEEE 802.11ax HE80: 36, 72.1, 108.1, 144.1, 216.2, 288.2, 324.3, 360.3, 432.4, 480.4, 540.4, 600.5Mbps
Antenna Type:	SMA Antenna, MAX. Gain: 3.35 dBi

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

4.2. Channel List

UNII-1 (For Bandwidth = 20 MHz)		UNII-1 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	/	/
48	5240	/	/
UNII-1			

(For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)
42	5210

UNII-2A (For Bandwidth = 20 MHz)		UNII-2A (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270
56	5280	62	5310
60	5300	/	/
64	5320	/	/
UNII-2A (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
58		5290	

UNII-2C (For Bandwidth = 20 MHz)		UNII-2C (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600	142	5710
124	5620	/	/
128	5640	/	/
132	5660	/	/
136	5680	/	/
140	5700	/	/
144	5720	/	/
UNII-2C (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
106		5530	
122		5610	
138		5690	

UNII-3 (For Bandwidth = 20 MHz)		UNII-3 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755

153	5765	159	5795
157	5785	/	/
161	5805	/	/
165	5825	/	/

UNII-3 (For Bandwidth = 80 MHz)	
Channel	Frequency (MHz)
155	5775

4.3. Test Channel Configuration

Mode	Data rate (Mbps) (see Note)	Test Channel and Frequency
802.11a TX Mode	6	CH36, 5180
	6	CH44, 5220
	6	CH48, 5240
	6	CH52, 5260
	6	CH60, 5300
	6	CH64, 5320
	6	CH100, 5500
	6	CH116, 5580
	6	CH140, 5700
	6	CH144, 5720
	6	CH149, 5745
	6	CH157, 5785
	6	CH165, 5825
802.11n HT20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220
	MCS 0	CH48, 5240
	MCS 0	CH52, 5260
	MCS 0	CH60, 5300
	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH144, 5720
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11n HT40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230
	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH142, 5710
	MCS 0	CH151, 5755
	MCS 0	CH159, 5795
802.11ac VHT20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220

	MCS 0	CH48, 5240
	MCS 0	CH52, 5260
	MCS 0	CH60, 5300
	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH144, 5720
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11ac VHT40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230
	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH151, 5755
	MCS 0	CH159, 5795
802.11ac VHT80 TX Mode	MCS 0	CH42, 5210
	MCS 0	CH58, 5290
	MCS 0	CH106, 5530
	MCS 0	CH122, 5610
	MCS 0	CH138, 5690
	MCS 0	CH155, 5775
802.11ax HE20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220
	MCS 0	CH48, 5240
	MCS 0	CH52, 5260
	MCS 0	CH60, 5300
	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH144, 5720
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11ax HE40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230

	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH142, 5710
	MCS 0	CH151, 5755
	MCS 0	CH159, 5795
802.11ax HE80 TX Mode	MCS 0	CH42, 5210
	MCS 0	CH58, 5290
	MCS 0	CH106, 5530
	MCS 0	CH122, 5610
	MCS 0	CH138, 5690
	MCS 0	CH155, 5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.		

4.4. Test Environment Conditions

During the measurement the environmental conditions were within the listed ranges:

	Normal Conditions	Extreme Conditions
Temperature range	21-25 ℃	0 ℃ to +40 ℃
Humidity range	40-75%	N/A
Pressure range	86-106 kPa	N/A
Power supply	NV: AC 230V 50Hz	N/A
Note: The Extreme temperature range and extreme voltages are declared by the manufacturer.		

4.5. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter		
Test Software	MobaXterm	
Mode	Channel	Soft set value
		Ant1
802.11a	36	2 0 4 20
	44	2 0 4 20
	48	2 0 4 20
	52	2 0 4 20
	60	2 0 4 20
	64	2 0 4 20
	100	2 0 4 16
	116	2 0 4 20
	140	2 0 4 15
	144	2 0 4 20
	149	2 0 4 20
	157	2 0 4 20

	165	2 0 4 20
802.11n HT20	36	2 1 0 20
	44	2 1 0 20
	48	2 1 0 20
	52	2 1 0 20
	60	2 1 0 20
	64	2 1 0 18
	100	2 1 0 15
	116	2 1 0 20
	140	2 1 0 14
	144	2 1 0 20
	149	2 1 0 20
	157	2 1 0 20
	165	2 1 0 20
802.11n HT40	38	2 1 0 18
	46	2 1 0 20
	54	2 1 0 20
	62	2 1 0 18
	102	2 1 0 13
	110	2 1 0 20
	134	2 1 0 16
	142	2 1 0 20
	151	2 1 0 20
	159	2 1 0 20
802.11ac VHT20	36	2 1 0 20
	44	2 1 0 20
	48	2 1 0 20
	52	2 1 0 20
	60	2 1 0 20
	64	2 1 0 18
	100	2 1 0 16
	116	2 1 0 20
	140	2 1 0 16
	144	2 1 0 20
	149	2 1 0 20
	157	2 1 0 20
	165	2 1 0 20
802.11ac VHT40	38	2 1 0 20
	46	2 1 0 20
	54	2 1 0 20
	62	2 1 0 18

	102	2 1 0 16
	110	2 1 0 20
	134	2 1 0 15
	142	2 1 0 20
	151	2 1 0 20
	159	2 1 0 20
802.11ac VHT80	42	2 1 0 18
	58	2 1 0 18
	106	2 1 0 15
	122	2 1 0 15
	138	2 1 0 20
	155	2 1 0 20
802.11ax HE20	36	2 2 0 20
	44	2 2 0 20
	48	2 2 0 20
	52	2 2 0 20
	60	2 2 0 20
	64	2 2 0 17
	100	2 2 0 16
	116	2 2 0 20
	140	2 2 0 15
	144	2 2 0 20
	149	2 2 0 20
	157	2 2 0 20
	165	2 2 0 20
802.11ax HE40	38	2 2 0 17
	46	2 2 0 20
	54	2 2 0 20
	62	2 2 0 17
	102	2 2 0 14
	110	2 2 0 20
	134	2 2 0 15
	142	2 2 0 20
	151	2 2 0 20
	159	2 2 0 20
802.11ax HE80	42	2 2 0 17
	58	2 2 0 17
	106	2 2 0 16
	122	2 2 0 16
	138	2 2 0 20
	155	2 2 0 20

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11a	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ac VHT20	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ax HE20	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ax HE40	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
802.11ax HE80	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
/	/	/	/	/

5.2. Support Equipment

Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/

5.3. Test Setup

The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

6. Measurement uncertainty

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.	

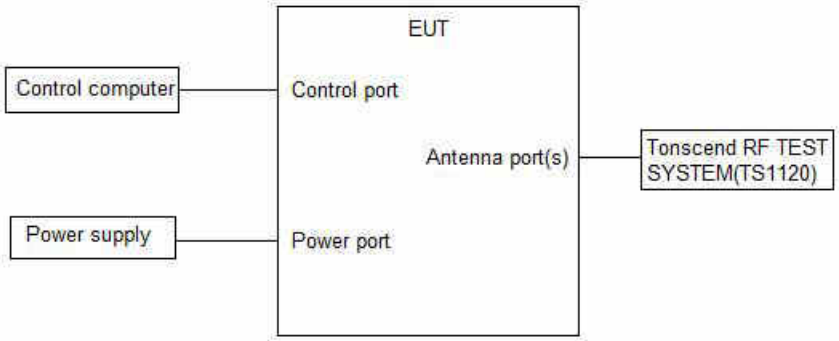
7. Measuring Instrument and Software Used

TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	Spectrum Analyzer	Keysight	N9030B	MY56320512	Aug. 22, 2024	Aug. 21, 2025
☑	Vector Signal Generator	Keysight	N5182B	MY57300334	Aug. 22, 2024	Aug. 21, 2025
☑	Signal Generator	Keysight	N5171B	MY57280639	Aug. 22, 2024	Aug. 21, 2025
☑	DC POWER	Keysight	E342A	MY59020356	Aug. 29, 2024	Aug. 28, 2025
☑	Incubator thermometer	GWS	EL-02JA	21107288	Aug. 15, 2024	Aug. 14, 2025
☑	Control unit(Power sensor)	Tonscend	JS0806-2	/	Aug. 23, 2024	Aug. 22, 2025
☑	Spectrum Analyzer	Keysight	N9020B	MY60112206	Sep. 11, 2024	Sep. 10, 2025
☑	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Aug. 22, 2024	Aug. 21, 2025
☑	Spectrum Analyzer	Keysight	N9020B	MY60112811	Aug. 23, 2024	Aug. 22, 2025
☑	Signal Generator	Keysight	N5173B	MY62220145	Aug. 23, 2024	Aug. 22, 2025
☑	Vector Signal Generator	Keysight	N5182B	MY61252859	Aug. 22, 2024	Aug. 21, 2025
☑	DC POWER	Keysight	E3642A	MY40005294	Aug. 30, 2024	Aug. 29, 2025
☑	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Aug. 23, 2024	Aug. 22, 2025
Software						
Used	Description	Manufacturer	Name		Version	
☑	Test software	Tonscend	JS1120-3		V3.3.10	
RSE Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	EMI Receiver	R&S	ESR26	101424	Sep. 14, 2024	Sep. 13, 2025
☑	Hybrid Antenna	Schwarzbeck	VULB9163	01416	May. 22, 2024	May. 21, 2025
☑	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Sep. 11, 2024	Sep. 10, 2025
☑	Horn Antenna 2	ETS	BBHA 9170	1090	Sep. 11, 2024	Sep. 10, 2025
☑	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 14,2024	Jan. 13, 2025
☑	Test path	/	Path3: WIFI-5.1G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☑	Test path	/	Path4: WIFI-5.4G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☑	Test path	/	Path5: WIFI-5.8G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☑	Test path	/	Path7: ALL PASS 1-18GHz	/	Aug. 23, 2024	Aug. 22, 2025
☑	Test path	/	Path10:	/	Aug. 23, 2024	Aug. 22, 2025

			6.5GHz High PASS 6.5-18GHz			
☑	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	Aug. 23, 2024	Aug. 22, 2025
☑	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Sep. 06, 2024	Sep. 05, 2025
☑	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Sep. 05, 2023	Sep. 04, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☑	Test software	Tonscend	TS+		V5.0.0.0	
Conducted Emission Test For AC Power Port						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	LISN	R&S	ENV216	102509	Aug. 22, 2024	Aug. 21, 2025
☑	EMI Receiver	R&S	ESR	102154	Aug. 22, 2024	Aug. 21, 2025
Software						
Used	Description	Manufacturer	Name		Version	
☑	Test software	EZ	EZ-EMC		EMEC-3A1	
Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	Temperature & Humidity	Temperature	HTC-1	/	Sep. 04, 2024	Sep. 03, 2025

8. Duty Cycle

8.1. Block Diagram of Test Setup



8.2. Limits

None; for reporting purposes only.

8.3. Procedure

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW ≥ EBW if possible; otherwise,

set RBW to the largest available value. Set VBW ≥ RBW.

Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)

8.4. Results

Test Mode	Ant.	Freq. (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)
11A	Ant1	5180	1.36	1.88	72.34
		5200	1.37	1.89	72.49
		5240	1.37	1.89	72.49
		5260	1.37	1.88	72.87
		5280	1.35	1.88	71.81
		5320	1.36	1.89	71.96
		5500	1.36	1.88	72.34
		5580	1.37	1.89	72.49
		5700	1.36	1.88	72.34
		5720	1.37	1.88	72.87
		5745	1.36	1.88	72.34
		5785	1.37	1.88	72.87
		5825	1.36	1.88	72.34
11N20SISO	Ant1	5180	1.27	1.79	70.95
		5200	1.27	1.79	70.95
		5240	1.27	1.79	70.95
		5260	1.27	1.79	70.95
		5280	1.27	1.79	70.95
		5320	1.27	1.79	70.95
		5500	1.28	1.80	71.11
		5580	1.27	1.79	70.95
		5700	1.27	1.79	70.95
		5720	1.28	1.80	71.11
		5745	1.28	1.80	71.11
		5785	1.27	1.79	70.95

		5825	1.27	1.79	70.95
11N40SISO	Ant1	5190	0.63	1.15	54.78
		5230	0.64	1.15	55.65
		5270	0.63	1.15	54.78
		5310	0.63	1.15	54.78
		5510	0.64	1.15	55.65
		5550	0.64	1.16	55.17
		5670	0.64	1.15	55.65
		5710	0.63	1.15	54.78
		5755	0.64	1.16	55.17
		5795	0.64	1.16	55.17
11AC20SISO	Ant1	5180	1.28	1.81	70.72
		5200	1.28	1.80	71.11
		5240	1.28	1.79	71.51
		5260	1.28	1.80	71.11
		5280	1.29	1.81	71.27
		5320	1.29	1.81	71.27
		5500	1.29	1.81	71.27
		5580	1.29	1.80	71.67
		5700	1.29	1.80	71.67
		5720	1.28	1.80	71.11
		5745	1.28	1.80	71.11
		5785	1.28	1.80	71.11
		5825	1.28	1.80	71.11
11AC40SISO	Ant1	5190	0.64	1.16	55.17
		5230	0.64	1.16	55.17
		5270	0.64	1.16	55.17
		5310	0.64	1.16	55.17
		5510	0.64	1.16	55.17
		5550	0.64	1.15	55.65
		5670	0.64	1.16	55.17
		5710	0.64	1.16	55.17
		5755	0.64	1.16	55.17
		5795	0.64	1.16	55.17
11AC80SISO	Ant1	5210	0.32	0.83	38.55
		5290	0.32	0.84	38.10
		5530	0.32	0.84	38.10
		5610	0.32	0.84	38.10
		5690	0.32	0.84	38.10
		5775	0.32	0.83	38.55
11AX20SISO	Ant1	5180	0.99	1.51	65.56
		5200	1.00	1.51	66.23
		5240	1.00	1.52	65.79
		5260	0.99	1.52	65.13
		5280	1.00	1.52	65.79
		5320	0.99	1.51	65.56
		5500	1.00	1.52	65.79
		5580	0.99	1.51	65.56
		5700	1.00	1.52	65.79
		5720	1.00	1.51	66.23
		5745	1.00	1.52	65.79
		5785	1.00	1.51	66.23
		5825	1.00	1.52	65.79
11AX40SISO	Ant1	5190	0.53	1.05	50.48
		5230	0.53	1.05	50.48
		5270	0.53	1.05	50.48
		5310	0.53	1.11	47.75
		5510	0.54	1.05	51.43
		5550	0.53	1.05	50.48
		5670	0.54	1.05	51.43
		5710	0.53	1.05	50.48
		5755	0.53	1.05	50.48
		5795	0.53	1.05	50.48
11AX80SISO	Ant1	5210	0.28	0.80	35.00
		5290	0.28	0.80	35.00
		5530	0.28	0.80	35.00
		5610	0.28	0.80	35.00

		5690	0.28	0.80	35.00
		5775	0.28	0.80	35.00

8.5. Original Test Data

11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

11A_Ant1_5260

11A_Ant1_5280

11A_Ant1_5320

11A_Ant1_5500

11A_Ant1_5580

11A_Ant1_5700

11A_Ant1_5720

11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

11N20SISO_Ant1_5260

11N20SISO_Ant1_5280