FCC PART 15B, CLASS B

TEST REPORT

For

Dakota Alert

32556 E. Main St., PO Box 130, Elk Point, South Dakota United States

FCC ID: QK8M5-121BS

Report Type:	**Product Type:**
Original Report	MURS BASE STATION

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Report Number:	RSZ151218008-00A
Report Date:	2016-08-30
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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *Dakota Alert*'s product, model number: *5-121BS (FCC ID: QK8M5-121BS)* or the "EUT" in this report was a *MURS BASE STATION*, which was measured approximately: 16.5 cm (L) x 16.0 cm (W) x 5.0 cm (H), rated input voltage: DC 5.0 V from Adapter. The highest operating frequency is 162.550 MHz.

Adapter Information:
Model: ZDD050200US
Input: AC 100-240V, 50/60Hz, 0. 5A
Output: DC 5.0V, 2000mA

** All measurement and test data in this report was gathered from production sample serial number: 1507430. (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2015-12-18.*

Objective

This test report is prepared on behalf of *Dakota Alert i*n accordance with Part 2-Subpart J, Part 15-Subparts A, B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine the compliance of the EUT with FCC Part 15 B.

Related Submittal(s)/Grant(s)

FCC Part 95 TNB submissions with FCC ID: QK8M5-121BS.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on October 31, 2013. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a manufacturer testing fashion.

Technical specifications:
Frequency Range (MHz):
162.4/162.425/162.450/162.475/162.5/162.525/162.550 (NOAA Channel), Channels: 7
151.82/151.88/151.94/154.57/154.6 (MURS Channel), Channels: 5
Sensitivity: About -118dBm

EUT Exercise Software

No exercise software was used.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

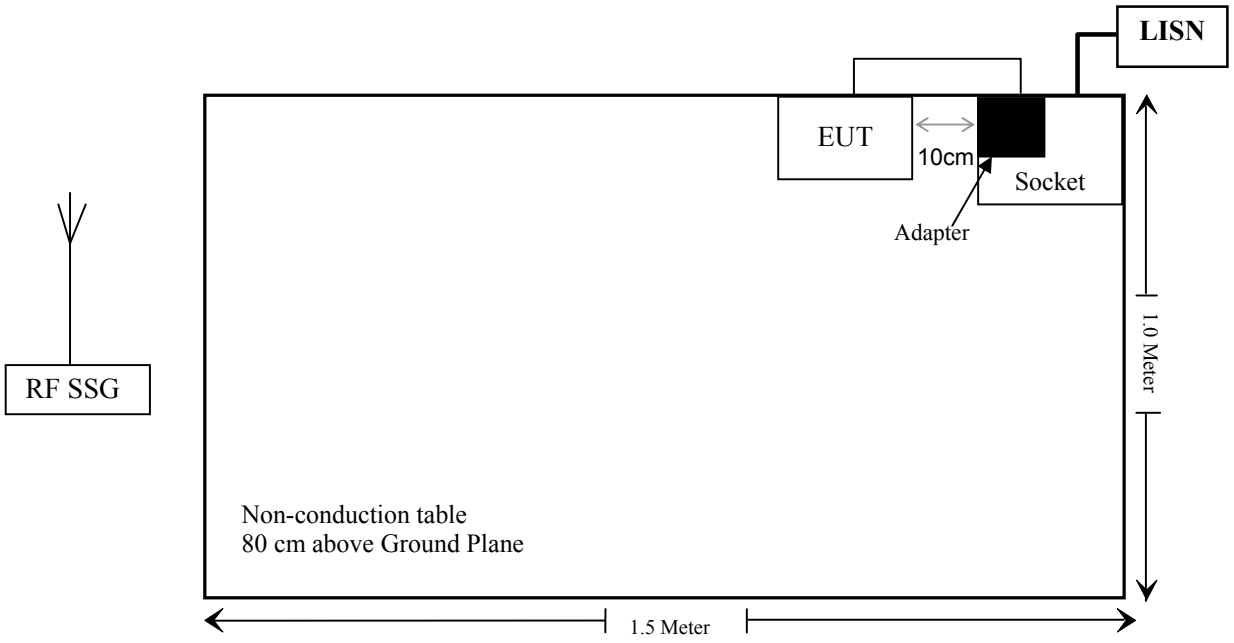
Manufacturer	Description	Model	Serial Number
R&S	RF SSG	SMU200A	103866

External I/O Cable

Cable Description	Length (m)	From/Port	To
Un-shielding Un-detachable DC Power Cable	1.4	EUT	Adapter

Block Diagram of Test Setup

For conducted emission:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	Compliance
§15.109	Radiated Spurious Emissions	Compliance
§15.111	Antenna Conducted Power for Receiver	Compliance
§15.121	Compliance for Scanning Receiver	Compliance

FCC §15.107 – AC LINE CONDUCTED EMISSIONS

Applicable Standard

According to FCC §15.107

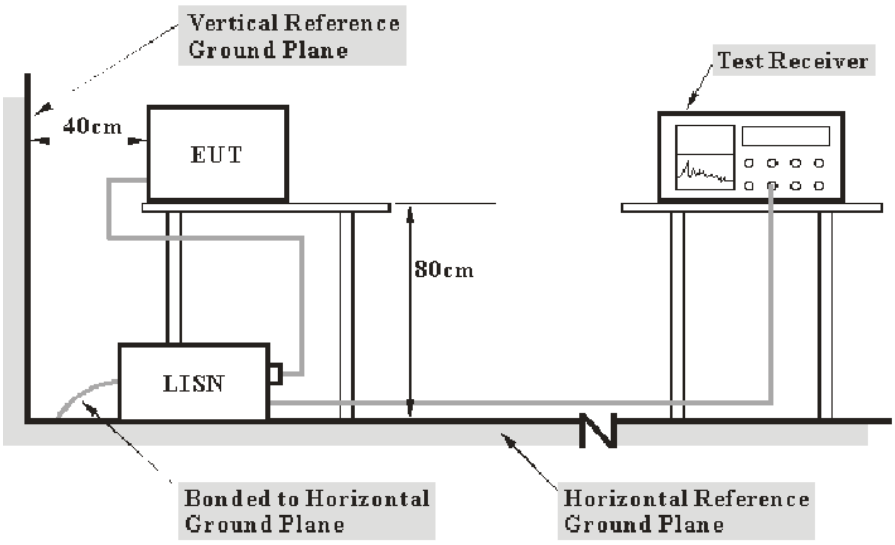
Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN/ISN and receiver, LISN/ISN voltage division factor, LISN/ISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report

Port	Measurement uncertainty
AC Mains	3.34 dB (k=2, 95% level of confidence)
CAT 3	3.72 dB (k=2, 95% level of confidence)
CAT 5	3.74 dB (k=2, 95% level of confidence)
CAT 6	4.54 dB (k=2, 95% level of confidence)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with per ANSI C63.4-2014. The related limit was specified in FCC Part 15.107 Class B.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCS30	100176	2016-06-01	2017-05-31
Rohde & Schwarz	LISN 1	ENV216	3560.6650.12-101613-Yb	2015-12-15	2016-12-14
COM-POWER	LISN 2	LI-200	12208	2015-12-15	2016-12-14
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2016-05-14	2017-05-14
Rohde & Schwarz	CE Test software	EMC 32	V8.53	NCR	NCR
Ducommun technologies	Conducted Emission Cable	RG-214	CB031	2016-06-15	2017-06-15

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Correction Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.107,

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_m + U_{(Lm)} \leq L_{lim} + U_{cispr}$$

In BACL., $U_{(Lm)}$ is less than U_{cispr}, if L_m is less than L_{lim}, it implies that the EUT complies with the limit.

Test Data

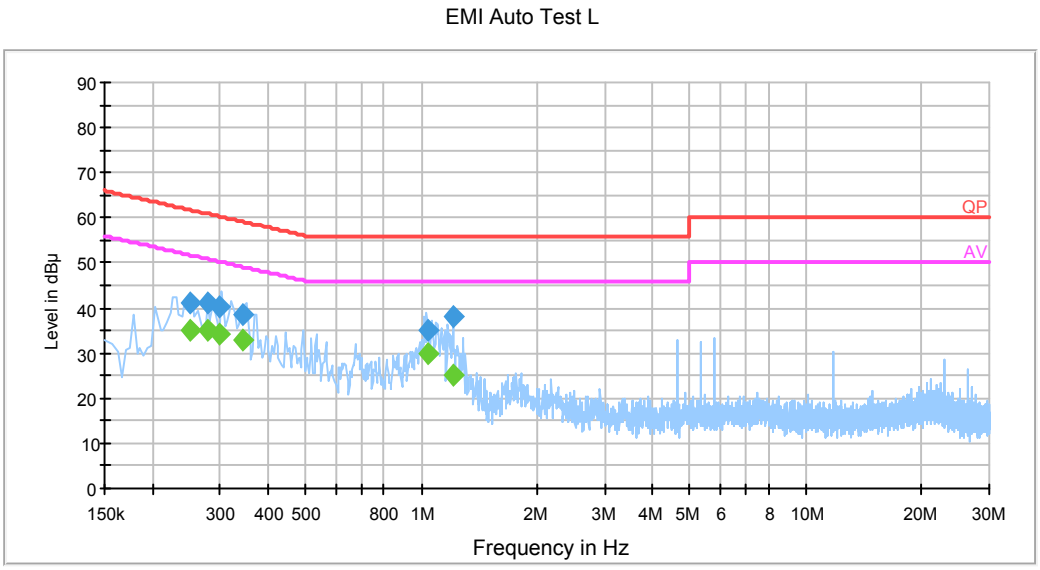
Environmental Conditions

Temperature:	25℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Candy Li on 2016-08-30.

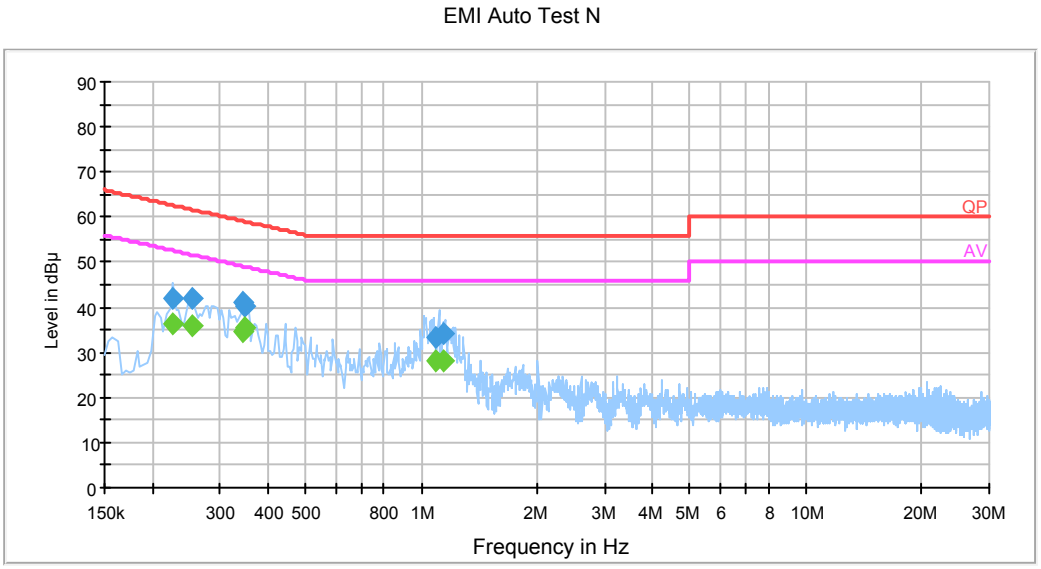
EUT Operation Mode: Receiving

AC 120V/60 Hz, Line:



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.249500	41.2	20.0	61.8	20.6	QP
0.277500	41.1	19.9	60.9	19.8	QP
0.297470	40.1	19.9	60.3	20.2	QP
0.344750	38.4	19.9	59.1	20.7	QP
1.046490	35.3	20.0	56.0	20.7	QP
1.215790	37.9	20.0	56.0	18.1	QP
0.249500	35.1	20.0	51.8	16.7	Ave.
0.277500	35.0	19.9	50.9	15.9	Ave.
0.297470	34.3	19.9	50.3	16.0	Ave.
0.344750	33.0	19.9	49.1	16.1	Ave.
1.046490	29.8	20.0	46.0	16.2	Ave.
1.215790	25.0	20.0	46.0	21.0	Ave.

AC 120V/60 Hz, Neutral:

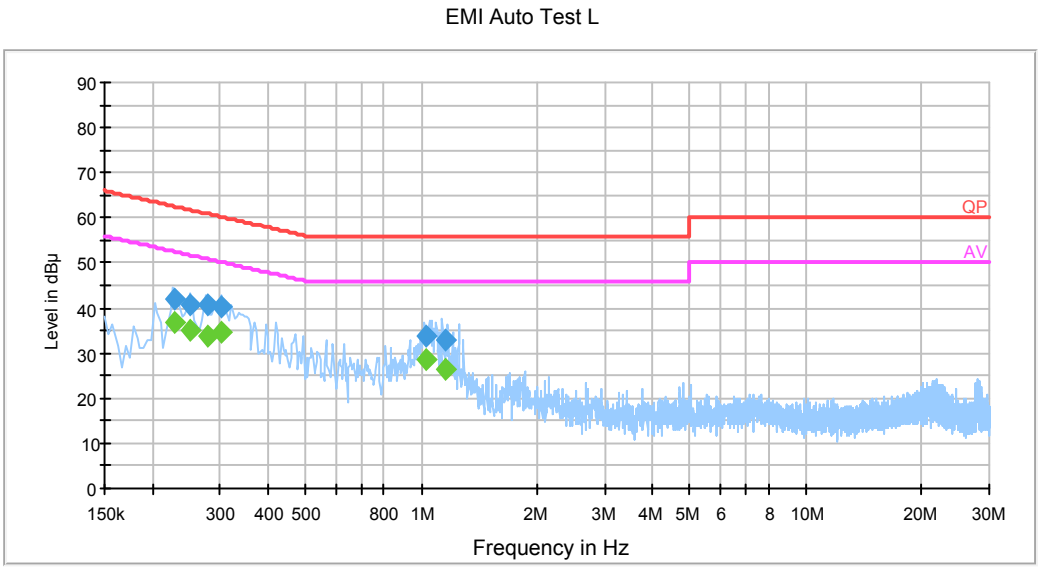


Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.225500	41.9	20.0	62.6	20.7	QP
0.253500	42.1	19.9	61.6	19.5	QP
0.344750	41.0	19.9	59.1	18.1	QP
0.348690	40.4	19.9	59.0	18.6	QP
1.093350	33.3	20.0	56.0	22.7	QP
1.148750	34.1	20.0	56.0	21.9	QP
0.225500	36.5	20.0	52.6	16.1	Ave.
0.253500	36.1	19.9	51.6	15.5	Ave.
0.344750	34.7	19.9	49.1	14.4	Ave.
0.348690	35.4	19.9	49.0	13.6	Ave.
1.093350	28.1	20.0	46.0	17.9	Ave.
1.148750	28.3	20.0	46.0	17.7	Ave.

Note:
1) Correction Factor =LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation
The corrected factor has been input into the transducer of the test software.
2) Corrected Amplitude = Reading + Correction Factor
3) Margin = Limit – Corrected Amplitude

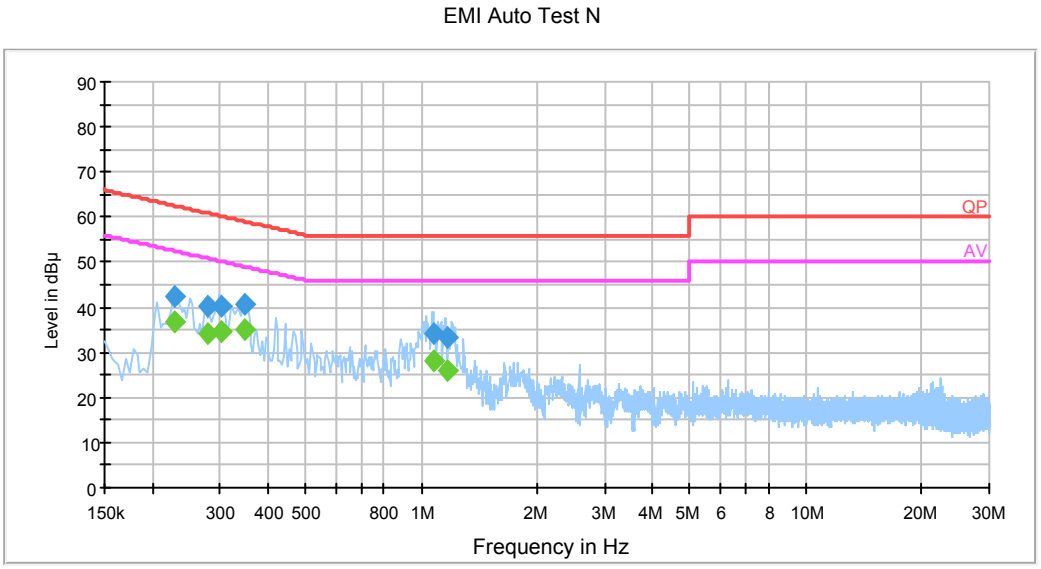
EUT Operation Mode: Scanning

AC 120V/60 Hz, Line:



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.229500	42.1	20.0	62.5	20.4	QP
0.249500	40.8	20.0	61.8	21.0	QP
0.277500	40.8	19.9	60.9	20.1	QP
0.301470	40.1	19.9	60.2	20.1	QP
1.034250	33.7	20.0	56.0	22.3	QP
1.151010	33.0	20.0	56.0	23.0	QP
0.229500	36.7	20.0	52.5	15.8	Ave.
0.249500	35.3	20.0	51.8	16.5	Ave.
0.277500	33.7	19.9	50.9	17.2	Ave.
0.301470	34.6	19.9	50.2	15.6	Ave.
1.034250	28.6	20.0	46.0	17.4	Ave.
1.151010	26.6	20.0	46.0	19.4	Ave.

AC 120V/60 Hz, Neutral:



Frequency (MHz)	Corrected Amplitude (dBµV)	Correction Factor (dB)	Limit (dBµV)	Margin (dB)	Detector (PK/Ave./QP)
0.229500	42.3	20.0	62.5	20.2	QP
0.278501	40.3	19.9	60.9	20.6	QP
0.301500	40.3	19.9	60.2	19.9	QP
0.348810	40.7	19.9	59.0	18.3	QP
1.078010	34.1	20.0	56.0	21.9	QP
1.171310	33.3	20.0	56.0	22.7	QP
0.229500	36.9	20.0	52.5	15.6	Ave.
0.278501	34.3	19.9	50.9	16.6	Ave.
0.301500	34.6	19.9	50.2	15.6	Ave.
0.348810	35.2	19.9	49.0	13.8	Ave.
1.078010	28.3	20.0	46.0	17.7	Ave.
1.171310	25.9	20.0	46.0	20.1	Ave.

Note:
1) Correction Factor =LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation
The corrected factor has been input into the transducer of the test software.
2) Corrected Amplitude = Reading + Correction Factor
3) Margin = Limit – Corrected Amplitude

FCC §15.109 - RADIATED SPURIOUS EMISSIONS

Applicable Standard

FCC §15.109

Measurement Uncertainty

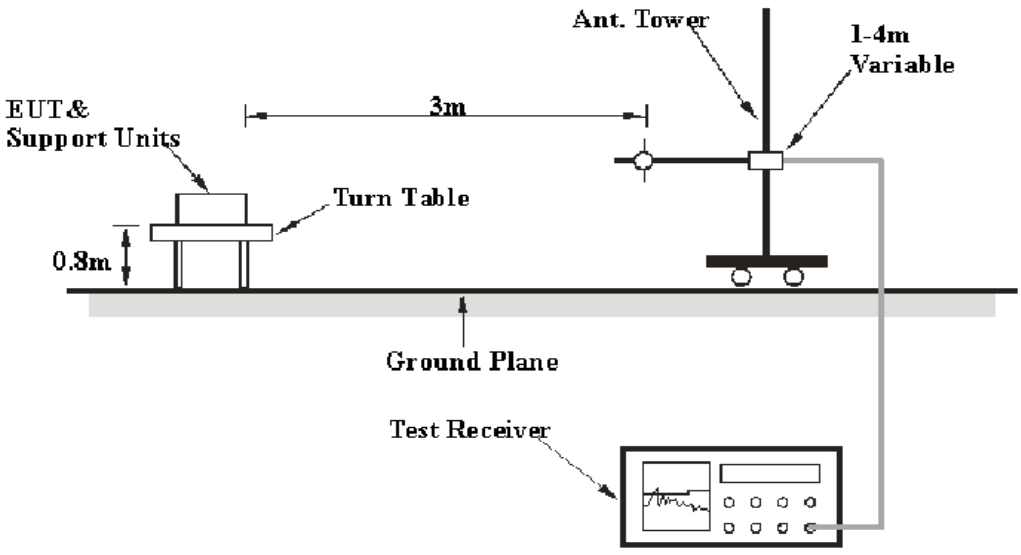
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown in below table. And the uncertainty will not be taken into consideration for the test data recorded in the report

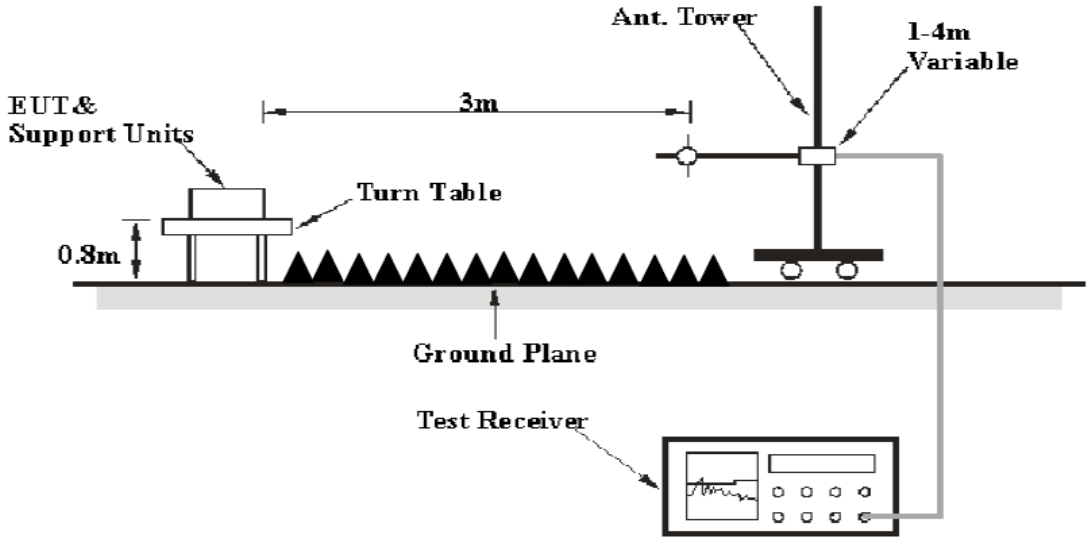
Frequency	Polarity	Measurement uncertainty
30 MHz~200 MHz	Horizontal	4.04 dB (k=2, 95% level of confidence)
	Vertical	4.52 dB (k=2, 95% level of confidence)
200 MHz~1 GHz	Horizontal	4.72 dB (k=2, 95% level of confidence)
	Vertical	5.81 dB (k=2, 95% level of confidence)
1 GHz~6 GHz	Horizontal/Vertical	4.64 dB (k=2, 95% level of confidence)
Above 6 GHz	Horizontal/Vertical	4.88 dB (k=2, 95% level of confidence)

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 2 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	Ave.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Amplifier	HP8447E	1937A01046	2016-05-06	2017-05-06
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2015-12-15	2016-12-14
Sunol Sciences	Bi-log Antenna	JB1	A040904-2	2014-12-07	2017-12-06
Mini	Amplifier	ZVA-183-S+	5969001149	2016-04-23	2017-04-23
A.H. System	Horn Antenna	SAS-200/571	135	2015-08-18	2018-08-17
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2016-04-14	2017-04-14
TDK	Chamber	Chamber A	2#	2013-10-15	2016-10-15
TDK	Chamber	Chamber B	1#	2016-07-23	2017-07-22
R&S	Auto test Software	EMC32	V9.10	NCR	NCR
Ducommun technologies	RF Cable	UFA210A-1-4724-30050U	MFR64369 223410-001	2015-10-22	2016-10-22
Ducommun technologies	RF Cable	104PEA	218124002	2015-10-22	2016-10-22
Ducommun technologies	RF Cable	RG-214	1	2016-05-06	2017-05-06
Ducommun technologies	RF Cable	RG-214	2	2016-05-06	2017-05-06

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.109 Class B,

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level is in compliance with the limit if

$$L_m + U_{(Lm)} \leq L_{lim} + U_{cispr}$$

In BACL, $U_{(Lm)}$ is less than U_{cispr}, if L_m is less than L_{lim}, it implies that the EUT complies with the limit.

Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Candy Li on 2016-08-29.

30MHz – 2 GHz:

EUT Operation Mode: Scanning

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	FCC Part 15B	
	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)			Limit (dBµV/m)	Margin (dB)
30.26	25.55	QP	139	3.9	V	-1.9	23.65	40	16.35
38.29	27.60	QP	65	1.8	V	-6.7	20.90	40	19.1
141.58	29.22	QP	78	3.3	V	-7.2	22.02	43.5	21.48
703.53	21.35	QP	39	1.2	V	3.6	24.95	46	21.05
789.11	21.86	QP	260	3.7	H	4.9	26.76	46	19.24
893.44	21.26	QP	297	2.0	H	4.7	25.96	46	20.04
1231.84	38.67	PK	314	1.1	H	-0.48	38.19	74	35.81
1231.84	26.44	Ave.	314	1.1	H	-0.48	25.96	54	28.04
1231.84	39.21	PK	236	1.2	V	-0.28	38.93	74	35.07
1231.84	26.95	Ave.	236	1.2	V	-0.28	26.67	54	27.33

EUT Operation Mode: Receiving (Channel 154.6MHz)

Frequency (MHz)	Receiver		Turntable Degree	Rx Antenna		Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	FCC Part 15B	
	Reading (dBµV)	Detector (PK/QP/Ave.)		Height (m)	Polar (H/V)			Limit (dBµV/m)	Margin (dB)
30.25	23.68	QP	225	2.6	V	-1.9	21.78	40	18.22
38.03	26.35	QP	245	1.2	V	-6.5	19.85	40	20.15
56.44	34.54	QP	152	1.6	V	-13.9	20.64	40	19.36
144.01	29.72	QP	13	2.8	H	-7.3	22.42	43.5	21.08
690.14	22.04	QP	55	3.0	H	3.3	25.34	46	20.66
825.93	21.58	QP	117	3.9	H	5.0	26.58	46	19.42
1189.26	37.65	PK	95	1.3	H	-0.48	37.17	74	36.83
1189.26	25.18	Ave.	95	1.3	H	-0.48	24.7	54	29.30
1189.26	38.72	PK	230	1.0	V	-0.28	38.44	74	35.56
1189.26	26.04	Ave.	230	1.0	V	-0.28	25.76	54	28.24

Note:
1) Correction Factor=Antenna factor (RX) + cable loss – amplifier factor
2) Corrected Amplitude = Correction Factor + Reading
3) Margin = Limit - Corrected Amplitude

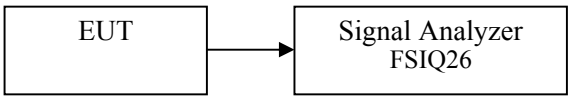
FCC §15.111 – ANTENNA CONDUCTED POWER FOR RECEIVER

Applicable Standard

FCC §15.111

(a) In addition to the radiated emission limits, receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of §15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in §15.33 shall not exceed 2.0 nanowatts.

EUT Setup



Test Procedure

1) The receiver antenna terminal connected to to a spectrum analyzeras shown in the above block diagram.
2) The test data of the worst case condition was reported on the following Data page.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	8386001028	2016-04-14	2017-04-14

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Results Summary

According to the following data, the EUT complied with the FCC §15.111.

Test Data

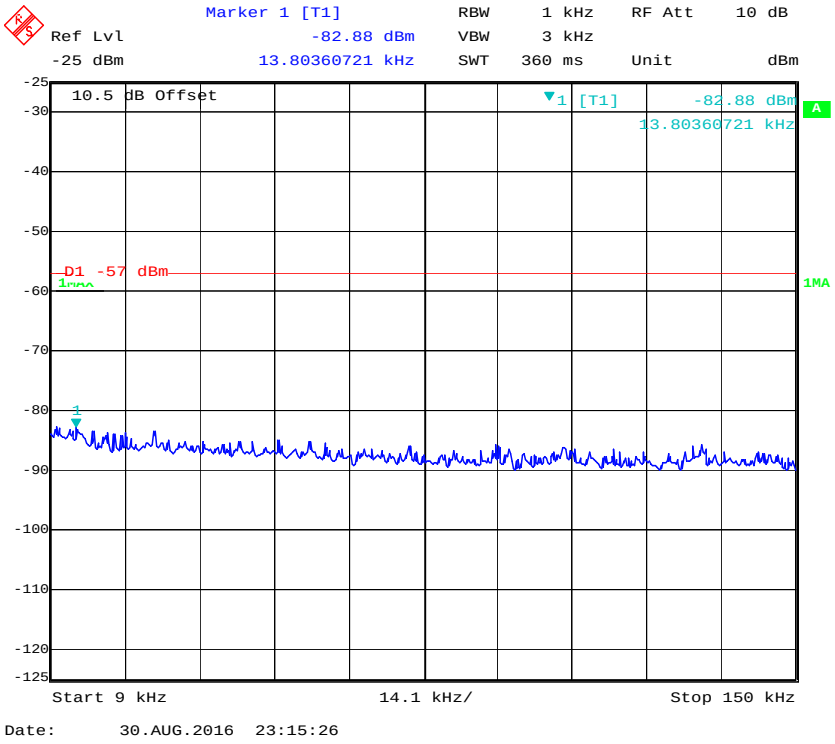
Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

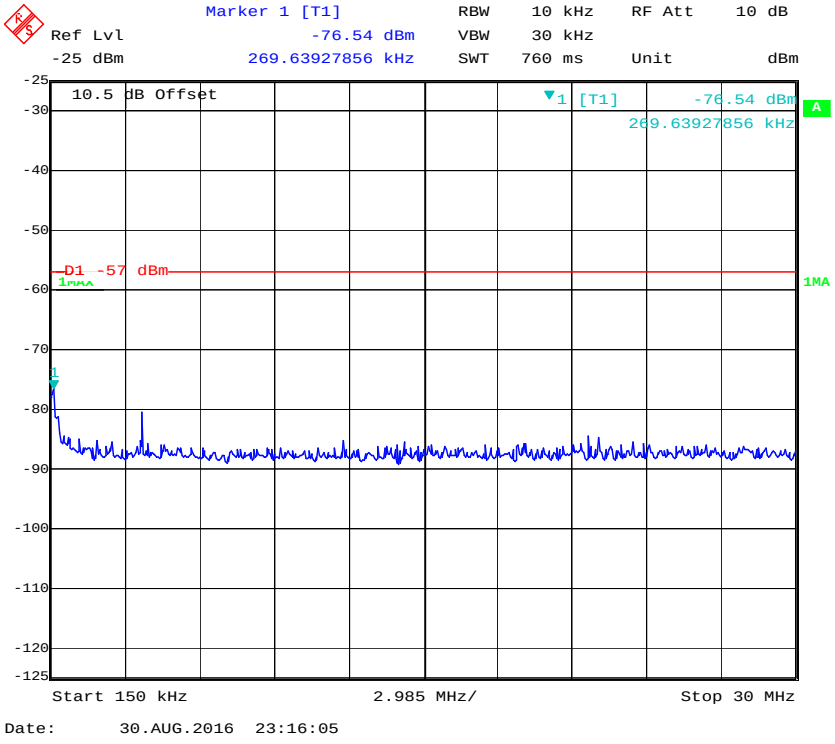
The testing was performed by Candy Li on 2016-08-30.

EUT Operation Mode: Receiving

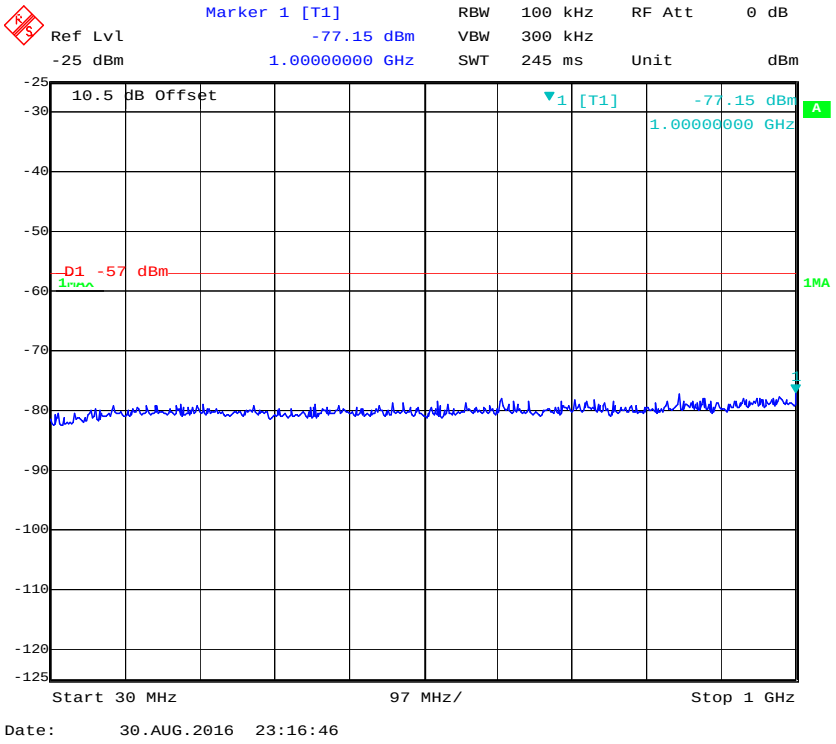
Antenna Conducted Power: 9kHz~150kHz



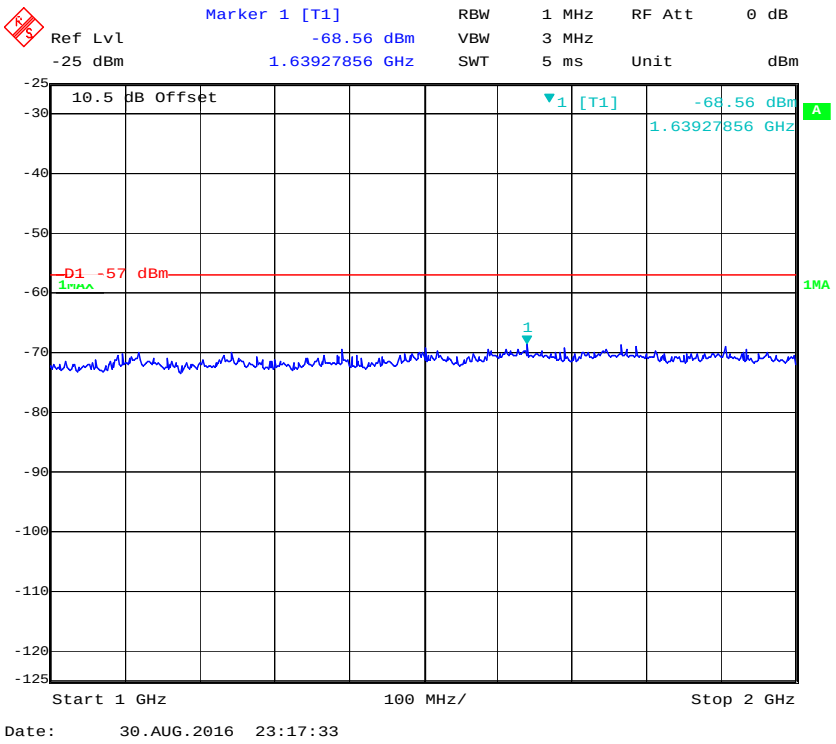
Antenna Conducted Power: 150kHz~30MHz



Antenna Conducted Power: 30MHz~1GHz



Antenna Conducted Power: 1GHz~2GHz



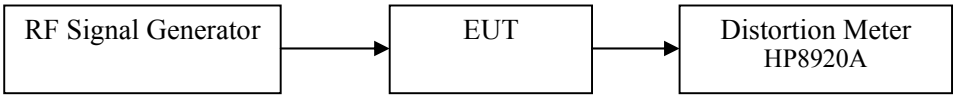
FCC §15.121 - COMPLIANCE FOR SCANNING RECEIVER

Applicable Standard

FCC §15.121

EUT Setup

For FCC §15.121(b) Scanning Receiver Cellular Band Rejection Test



Test Procedure

3) Connected the EUT as shown in the above block diagram.
4) Apply a RF signal to the receiver input port at lowest, middle and highest channel frequencies of receiver operation band.
5) Adjust the audio output level of the receiver to it's rated value with the distortion less than 10%.
6) Adjust the RF Signal Generator Output Power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB.This output level of the RF SG at each channel frequency is the sensitivity of the receiver.
7) Select the lowest or worse-case sensitivity level for all of the bands as the reference sensitivity.
8) Adjust the RF Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5) and its frequency to the frequency points in the cellular band.
9) Set the Receiver squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level.
10) Set the receiver in a scanning mode and allow it to scan through it's complete receiving range.
11) If the receiver unsquelched or stopped on any frequency, receiving at this frequency, then adjust the signal generator output level until 12 dB SINAD is produced, this level is the spurious value and the difference between the reference sensitivity and the spurious value is the rejection ratio and must be at least 38dB.
12) Repeat above procedure at the frequencies 824.5, 836.0, and 848.5 MHz for the mobile band, and 869.1, 881.5, and 893.5MHz for the cellular base band.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
HP	Signal Generator	8648C	3426AU1345	2016-04-14	2017-04-14
HP	RF Communications Test Set	HP8920A	3438A05201	2016-06-14	2017-06-13

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

Test Results Summary

Comply with FCC 121(a):
– Please refer to the technical informations or the attestation letter conforming compliance with this requirement.

Comply with FCC 121(b):
– Please refer to the following Scanning Receiver Cellular Band Rejection Test Result.

Comply with FCC 121(c):
– Not applicable.

Comply with FCC 121(d):
– Please refer to the User Manual.

Comply with FCC 121(e):
– This Scanning Receiver is not assembled from kits or marketed in kit form.

Comply with FCC 121(f):
– Please refer to the label of the product.

Test Data

For FCC §15.121(b) Scanning Receiver Cellular Band Rejection

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Candy Li on 2016-08-30.

EUT Operation Mode: Scanning + Receiving

Scanning Receiver Cellular Band Rejection Test Data:

EUT's Scanning Frequency Band (MHz)	Test Frequencies of Cellular Band (MHz)	Spurious Value of Cellular Frequencies for 12 dB SINAD (dBm)	Reference Sensitivity for 12 dB SINAD (dBm)	Rejection Ratio (dB)	Rejection Ratio Limit (dB)
162.400~162.550	824.5, 836.0, 848.5, 869.1, 881.5, 893.5	-42.5	<-118.0	<-75.5	**-38.0**

Note: Rejection Ratio = Reference Sensitivity - Spurious Value

Result

Compliance with the requirements specified in Part 15.121 for scanning receiver.

******* END OF REPORT *******