

TEST REPORT

Product : SATELLAI Collar
Trade mark : SATELLAI
Model/Type reference : D1
Serial Number : N/A
Report Number : EED32Q81916402
FCC ID : 2BMT9STL24D1
Date of Issue : Jan. 09, 2025
Test Standards : 47 CFR Part 2
47 CFR Part 22 subpart H
47 CFR Part 24 subpart E
47 CFR Part 27
Test result : PASS

Prepared for:

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Date:

Jan. 09, 2025



Check No.: 4223221124

1 Version

Version No.	Date	Description
00	Jan. 09, 2025	Original

2 Test Summary

Test Item	Test Requirement	Test method	Result
FCC Part 22 (LTE Band 5,LTE Band 26)			
Conducted output power	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	Note1
Effective Radiated Power of Transmitter(ERP)	Part 2.1046(a)/Part 22.913(a)	TIA-603-E-2016 &KDB 971168 D01v02r02	Note1
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 22.917(b) &KDB 971168 D01v02r02	Note1
Band Edge at antenna terminals	Part 2.1051/Part 22.917(a)	Part 22.917(b) &KDB 971168 D01v02r02	Note1
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	Note1
Field strength of spurious radiation	Part 2.1053/ Part 2.1057/ Part 22.917(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/ Part 22.355	TIA-603-E-2016 &KDB 971168 D01v02r02	Note1
FCC Part 24 (LTE Band 2,LTE Band 25)			
Conducted output power	Part 2.1046(a) /Part 24.232(c)	TIA-603-E-2016&KDB 971168 D01v02r02	Note2
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 24.232(c)	TIA-603-E-2016 &KDB 971168 D01v02r02	Note2
peak-to-average ratio	Part 24.232(d)	KDB 971168 D01v02r02	Note2
99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 24.238(b) &KDB 971168 D01v02r02	Note2
Band Edge at antenna terminals	Part 2.1051/ Part 24.238(a)	Part 24.238(b) &KDB 971168 D01v02r02	Note2
Spurious emissions at antenna terminals	Part 2.1051/ Part 2.1057/ Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	Note2
Field strength of spurious radiation	Part 2.1053 /Part 2.1057 / Part 24.238(a)(b)	TIA-603-E-2016 &KDB 971168 D01v02r02	PASS
Frequency stability	Part 2.1055/Part 24.235	TIA-603-E-2016 &KDB 971168 D01v02r02	Note2
FCC Part 27 (LTE Band 4,LTE Band 7,LTE Band 12,LTE Band 13,LTE Band 66)			
Conducted output power	Part 2.1046(a) /Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	Note3
Effective Radiated Power of Transmitter(EIRP)	Part 2.1046(a) / Part 27.50(d)	TIA-603-E-2016&KDB 971168 D01v03r01	Note3
peak-to-average ratio	Part 27.50(d)	KDB 971168 D01v03r01	Note3

99% &26dBOccupied Bandwidth	Part 2.1049(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note3
Band Edge at antenna terminals	Part 2.1051/ Part 27.53(h)	Part 27.53(h) &KDB 971168 D01v03r01	Note3
Spurious emissions at antenna terminals	Part 2.1051/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	Note3
Field strength of spurious radiation	Part 2.1053/ Part 27.53(h)	TIA-603-E-2016&KDB 971168 D01v03r01	PASS
Frequency stability	Part 2.1055/Part 27.54	TIA-603-E-2016&KDB 971168 D01v03r01	Note3

Remark:

The communication module of this product has been certified, and the FCC ID number of the module is FCC ID:2ANPO00NRF9160. In addition, the product does not use the full function of the module, it only uses the LTE Cat-M Band 2,Band 4,Band 12,Band 13,Band 25,Band 66,Band 5 and Band 26, the other bands are not open.

Note1:The test data refer to the report of No.:NIE:59675RRF.003;

Note2:The test data refer to the report of No.:NIE:59675RRF.001;

Note3:The test data refer to the report of No.:NIE:59675RRF.001 and NO:NIE:58741RRF.003;

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

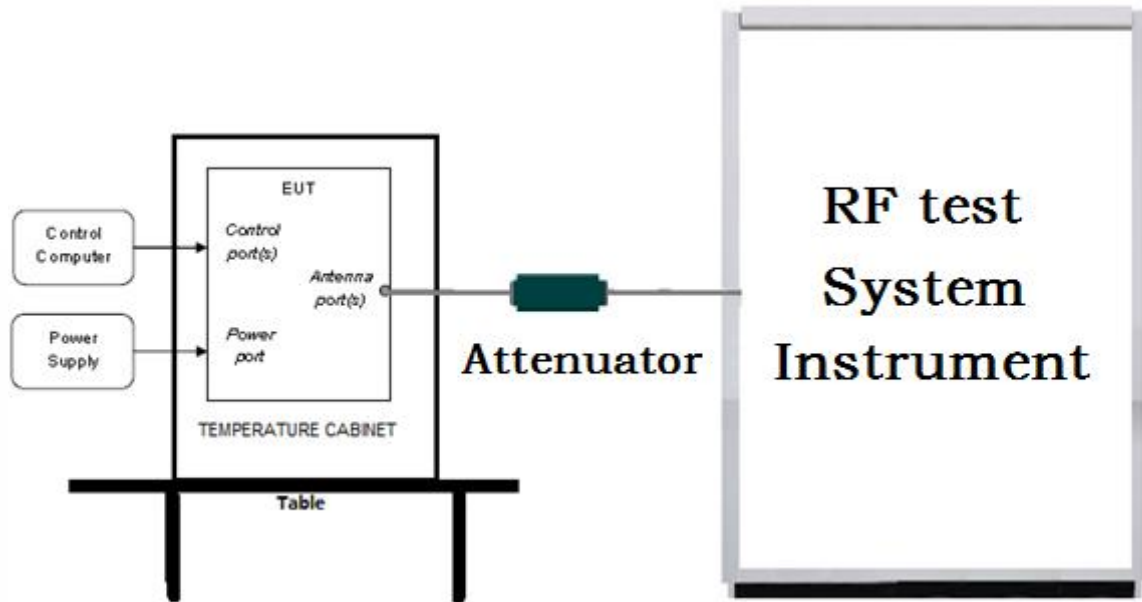
3 Content

1 VERSION	2
2 TEST SUMMARY	3
3 CONTENT	5
4 TEST REQUIREMENT	6
4.1 TEST SETUP	6
4.1.1 For Conducted test setup	6
4.1.2 For Radiated Emissions test setup	6
4.2 TEST ENVIRONMENT	7
5 GENERAL INFORMATION	7
5.1 CLIENT INFORMATION	7
5.2 GENERAL DESCRIPTION OF EUT	7
5.3 DESCRIPTION OF SUPPORT UNITS	8
5.4 TEST LOCATION	8
5.5 DEVIATION FROM STANDARDS	8
5.6 ABNORMALITIES FROM STANDARD CONDITIONS	8
5.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER	8
5.8 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	8
6 EQUIPMENT LIST	9
7 RADIO TECHNICAL REQUIREMENTS SPECIFICATION	11
APPENDIX A: RF OUTPUT POWER	12
APPENDIX B: FIELD STRENGTH OF SPURIOUS RADIATION	13
PHOTOGRAPHS OF TEST SETUP	30
PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS	32

4 Test Requirement

4.1 Test setup

4.1.1 For Conducted test setup



4.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

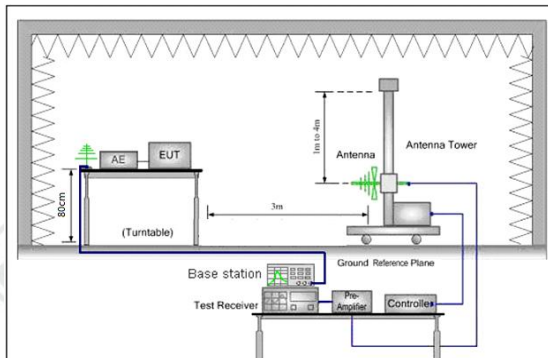


Figure 1.30MHz to 1GHz

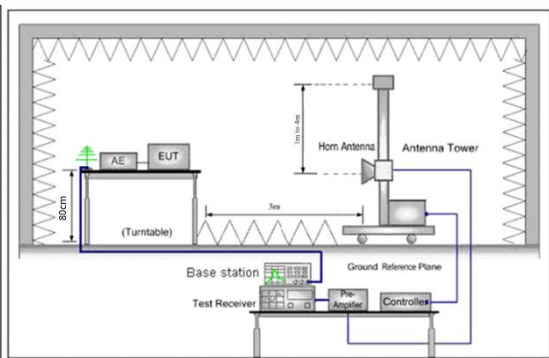


Figure 2. above 1GHz

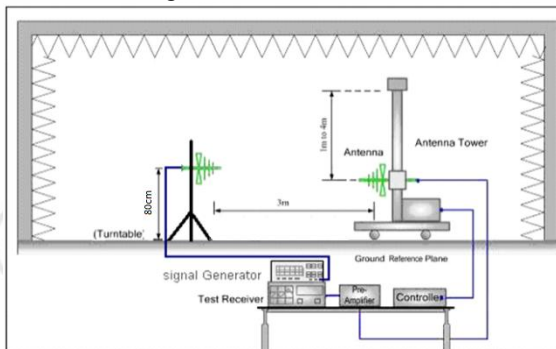


Figure 1. 30MHz to 1GHz

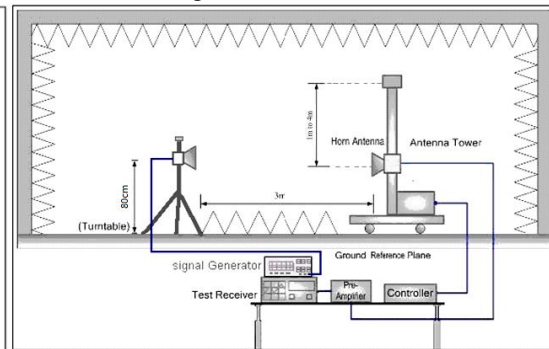


Figure 2. above 1GHz

4.2 Test Environment

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010mbar

5 General Information

5.1 Client Information

Applicant:	Shenzhen XingLian Future Technology Co., Ltd.
Address of Applicant:	Room 1007, Tower A, TCL Building, No. 6 Gaoxin South First Rd., Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, China
Manufacturer:	Shenzhen XingLian Future Technology Co., Ltd.
Address of Manufacturer:	Room 1007, Tower A, TCL Building, No. 6 Gaoxin South First Rd., Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, China
Factory:	Shenzhen Zowee Intelligent Manufacturing Co., Ltd.
Address of Factory:	No. 149, Tongfuyu Industrial Zone Songgang, Baoan District Shenzhen Guangdong 518105 China

5.2 General Description of EUT

Product Name:	SATELLAI Collar		
Model No.:	D1		
Trade Mark:	SATELLAI		
Product Type:	☒ Mobile ☐ Portable ☐ Fixed Location		
Frequency Band:	LTE Cat-M: Band 2:1850.0MHz to 1915.0MHz, Band 4:1710.0MHz to 1780.0MHz Band 12:699.0MHz to 716.0MHz Band 13:777.0MHz to 787.0MHz Band 25:1850.0MHz to 1915.0MHz, Band 66:1710.0MHz to 1780.0MHz Band 5:814.0MHz to 849.0MHz, Band 26:823.3MHz to 824.7MHz		
Modulation Type:	QPSK		
Antenna Type:	FPC Antenna		
Antenna Gain:	LTE Cat-M: Band 2:0.81dBi, Band 4:-0.65dBi, Band 12:-3.43dBi, Band 13:2.01dBi, Band 25:0.81dBi, Band 66:-0.65dBi, Band 5:2.55dBi, Band 26:2.55dBi		
Power Supply:	USB port:	DC 5.0V	
	Battery:	DC 3.8V,1600mAh,6.08Wh	
Sample Received Date:	Dec. 13, 2024		
Sample tested Date:	Dec. 13, 2024 to Dec. 26, 2024		

5.3 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	Think Book	ThinkBook 14 G3	FCC&CE	CTI

5.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

5.5 Deviation from Standards

None.

5.6 Abnormalities from Standard Conditions

None.

5.7 Other Information Requested by the Customer

None.

5.8 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

6 Equipment List

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model	Serial No.	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/28/2022	09/27/2023
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023
Spectrum Analyzer	R&S	FSV40	101200	07/29/2022	07/28/2023
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/15/2021	04/14/2024
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/23/2022	12/23/2023
Horn Antenna	A.H.SYSTEMS	SAS-574	374	05/29/2021	05/28/2024
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024
Preamplifier	Agilent	11909A	12-1	03/28/2023	03/27/2024
Preamplifier	CD	PAP-1840-60	6041.6042	07/05/2022	07/04/2023
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	---	---
Cable line	Fulai(7M)	SF106	5219/6A	05/22/2022	05/21/2025
Cable line	Fulai(6M)	SF106	5220/6A	05/22/2022	05/21/2025
Cable line	Fulai(3M)	SF106	5216/6A	05/22/2022	05/21/2025
Cable line	Fulai(3M)	SF106	5217/6A	05/22/2022	05/21/2025

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	02-27-2023	02-26-2024
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980597	04-20-2022 04-13-2023	04-19-2023 04-12-2024
Preamplifier	EMCI	EMC001330	980563	03-28-2023	03-27-2024
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023
Temperature/Humidity Indicator	biaozhi	GM1360	EJ1611459	02-15-2023	02-14-2024
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	01-09-2021	01-08-2024
Cable line	Times	EMC104-NMNM-1000	SN160710	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	01-09-2021	01-08-2024
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	01-09-2021	01-08-2024
Cable line	Times	HF160-KMKM-3.00M	393493-0001	01-09-2021	01-08-2024

7 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	PART 22	PART 22 – PUBLIC MOBILE SERVICES Subpart H – Cellular Radiotelephone Service
2	PART 24	PART 24 – PERSONAL COMMUNICATIONS SERVICES Subpart E – Broadband PCS
3	PART 27	PART 27 – MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES Subpart C – Technical Standards
4	PART 90	PART 90—PRIVATE LAND MOBILE RADIO SERVICES
5	PART 2	Frequency allocations and radio treaty matters; general rules and regulations
6	TIA-603-E-2016	Land Mobile FM or PM -Communications Equipment -Measurement and Performance Standards
7	KDB971168 D01	KDB971168 D01 Power Meas License Digital Systems v02r02
8	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

Test Results List:

Test Method:		Test Descriptions & Test Conditions	Verdict	Note
ANSI C63.26-2015	Clause 5.2	RF output power	PASS	Appendix A
		NT/NV		
ANSI C63.26-2015	Clause 5.5	Field strength of spurious radiation	PASS	Appendix B
		NT/NV		

Appendix A: RF output power

Frequency	Max. Conducted Tune-up Output power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	ERP (dBm)	Result
@LTE Cat-M Band 2	24.00	0.81	24.81	22.66	Pass
@LTE Cat-M Band 4	24.00	-0.65	23.35	21.20	Pass
@LTE Cat-M Band 12	24.00	-3.43	20.57	18.42	Pass
@LTE Cat-M Band 13	24.00	2.01	26.01	23.86	Pass
@LTE Cat-M Band 25	24.00	0.81	24.81	22.66	Pass
@LTE Cat-M Band 66	24.00	-0.65	23.35	21.20	Pass
@LTE Cat-M Band 5	24.00	2.55	26.55	24.40	Pass
@LTE Cat-M Band 26	24.00	2.55	26.55	24.40	Pass

Note:

- ① $ERP(dBm) = EIRP(dBm) - 2.15$;
- ② $EIRP(dBm) = \text{Max. Conducted Tune-up Output power (dBm)} + \text{Antenna gain(dBi)}$;
- ③ The Max. Conducted Tune-up Output power (dBm) declared by client;

Appendix B: Field strength of spurious radiation

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-30MHz	Peak	10kHz	30kHz	Peak
	30MHz-1GHz	Peak	120kHz	300kHz	Peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
Measurement Procedure:	1. Scan up to 10th harmonic, find the maximum radiation frequency to measure. 2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT. Test procedure as below: 1) The EUT was powered ON and placed on a 0.8m high table at a 3 meter fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test. 2) The EUT was set 3 meters(above 18GHz the distance is 1 meter) away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization. 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter. 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions. 7) The output power into the substitution antenna was then measured. 8) Steps 6) and 7) were repeated with both antennas polarized. 9) Calculate power in dBm by the following formula: $\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$ $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ $\text{EIRP} = \text{ERP} + 2.15\text{dB}$ where: Pg is the generator output power into the substitution antenna. 10) Test the EUT in the lowest channel, the middle channel the Highest channel 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, And found the X axis positioning which it is worse case. 12) Repeat above procedures until all frequencies measured was complete.				
Limit:	Attenuated at least 43+10log(P)				

Measurement Data:

Remark: Only the worst case data was recorded in the report.

Mode	LTE	Remark	Traffic
Band	Band=2 BW=20MHz	Channel	18900

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-58.54	-13.00	45.54	PASS	Horizontal
2	208.9038	150	92	-68.87	-13.00	55.87	PASS	Horizontal
3	375.001	150	330	-60.38	-13.00	47.38	PASS	Horizontal
4	2938.7939	150	66	-34.83	-13.00	21.83	PASS	Horizontal
5	6483.3617	150	226	-47.89	-13.00	34.89	PASS	Horizontal
6	11235.7493	150	38	-41.42	-13.00	28.42	PASS	Horizontal
7	62.4045	150	43	-57.19	-13.00	44.19	PASS	Vertical
8	208.9038	150	348	-69.88	-13.00	56.88	PASS	Vertical
9	375.001	150	178	-60.39	-13.00	47.39	PASS	Vertical
10	2929.593	150	304	-35.39	-13.00	22.39	PASS	Vertical
11	4500.1125	150	110	-48.13	-13.00	35.13	PASS	Vertical
12	11231.3616	150	143	-41.08	-13.00	28.08	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=4 BW=20MHz	Channel	20175

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	35.045	150	260	-57.87	-13.00	44.87	PASS	Horizontal
2	80.062	150	357	-61.84	-13.00	48.84	PASS	Horizontal
3	375.001	150	347	-59.63	-13.00	46.63	PASS	Horizontal
4	2826.7827	150	214	-38.67	-13.00	25.67	PASS	Horizontal
5	6888.4944	150	117	-46.99	-13.00	33.99	PASS	Horizontal
6	10602.4551	150	125	-42.38	-13.00	29.38	PASS	Horizontal
7	62.2104	150	17	-56.46	-13.00	43.46	PASS	Vertical
8	375.001	150	70	-59.35	-13.00	46.35	PASS	Vertical
9	2536.5537	150	54	-39.13	-13.00	26.13	PASS	Vertical
10	6900.6825	150	360	-46.78	-13.00	33.78	PASS	Vertical
11	11246.4748	150	122	-41.58	-13.00	28.58	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=12 BW=20MHz	Channel	23095

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-62.30	-13.00	49.30	PASS	Horizontal
2	208.9038	150	34	-69.83	-13.00	56.83	PASS	Horizontal
3	375.001	150	357	-59.87	-13.00	46.87	PASS	Horizontal
4	1419.517	150	158	-45.53	-13.00	32.53	PASS	Horizontal
5	2129.2879	150	0	-48.85	-13.00	35.85	PASS	Horizontal
6	4960.146	150	80	-42.13	-13.00	29.13	PASS	Horizontal
7	58.5237	150	243	-53.94	-13.00	40.94	PASS	Vertical
8	159.812	150	46	-73.05	-13.00	60.05	PASS	Vertical
9	315.043	150	206	-67.15	-13.00	54.15	PASS	Vertical
10	1419.517	150	100	-46.58	-13.00	33.58	PASS	Vertical
11	2117.5368	150	152	-45.70	-13.00	32.70	PASS	Vertical
12	4803.8554	150	216	-37.93	-13.00	24.93	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=13 BW=20MHz	Channel	23230

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-62.44	-13.00	49.44	PASS	Horizontal
2	391.6883	150	28	-32.65	-13.00	19.65	PASS	Horizontal
3	1170.392	150	12	-38.79	-13.00	25.79	PASS	Horizontal
4	2352.5603	150	338	-55.00	-13.00	42.00	PASS	Horizontal
5	4853.2103	150	210	-43.43	-13.00	30.43	PASS	Horizontal
6	9674.7175	150	0	-52.39	-13.00	39.39	PASS	Horizontal
7	56.3893	150	334	-57.50	-13.00	44.50	PASS	Vertical
8	390.7181	150	146	-44.34	-13.00	31.34	PASS	Vertical
9	1160.9911	150	136	-40.67	-13.00	27.67	PASS	Vertical
10	1568.7569	150	40	-41.29	-13.00	28.29	PASS	Vertical
11	4960.146	150	84	-50.97	-13.00	37.97	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=25 BW=20MHz	Channel	26365

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-62.40	-13.00	49.40	PASS	Horizontal
2	375.001	150	357	-59.60	-13.00	46.60	PASS	Horizontal
3	625.117	150	357	-68.17	-13.00	55.17	PASS	Horizontal
4	1655.4655	150	87	-40.57	-13.00	27.57	PASS	Horizontal
5	6802.8803	150	3	-47.39	-13.00	34.39	PASS	Horizontal
6	15895.2895	150	296	-38.28	-13.00	25.28	PASS	Horizontal
7	34.0748	150	26	-57.10	-13.00	44.10	PASS	Vertical
8	110.138	150	357	-71.70	-13.00	58.70	PASS	Vertical
9	375.001	150	304	-59.70	-13.00	46.70	PASS	Vertical
10	1629.0629	150	183	-39.79	-13.00	26.79	PASS	Vertical
11	4851.1851	150	324	-44.97	-13.00	31.97	PASS	Vertical
12	15895.2895	150	187	-36.86	-13.00	23.86	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=5 BW=20MHz	Channel	20525

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	37.3735	150	92	-57.95	-13.00	44.95	PASS	Horizontal
2	120.034	150	357	-63.69	-13.00	50.69	PASS	Horizontal
3	375.001	150	357	-59.61	-13.00	46.61	PASS	Horizontal
4	1676.8677	150	0	-42.56	-13.00	29.56	PASS	Horizontal
5	2515.9016	150	14	-46.81	-13.00	33.81	PASS	Horizontal
6	6868.5369	150	120	-54.70	-13.00	41.70	PASS	Horizontal
7	58.5237	150	290	-55.10	-13.00	42.10	PASS	Vertical
8	208.9038	150	326	-70.34	-13.00	57.34	PASS	Vertical
9	375.001	150	248	-60.10	-13.00	47.10	PASS	Vertical
10	1669.817	150	191	-36.07	-13.00	23.07	PASS	Vertical
11	2504.1504	150	308	-48.89	-13.00	35.89	PASS	Vertical
12	3354.9355	150	248	-52.06	-13.00	39.06	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=66 BW=20MHz	Channel	66786

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-62.83	-13.00	49.83	PASS	Horizontal
2	208.9038	150	100	-69.06	-13.00	56.06	PASS	Horizontal
3	375.001	150	357	-60.21	-13.00	47.21	PASS	Horizontal
4	1546.8547	150	162	-39.99	-13.00	26.99	PASS	Horizontal
5	6404.8702	150	3	-46.77	-13.00	33.77	PASS	Horizontal
6	11239.162	150	356	-40.65	-13.00	27.65	PASS	Horizontal
7	58.5237	150	174	-55.14	-13.00	42.14	PASS	Vertical
8	208.9038	150	314	-68.78	-13.00	55.78	PASS	Vertical
9	375.001	150	57	-58.95	-13.00	45.95	PASS	Vertical
10	2855.5856	150	57	-35.86	-13.00	22.86	PASS	Vertical
11	4960.823	150	252	-45.19	-13.00	32.19	PASS	Vertical
12	11213.3232	150	52	-41.35	-13.00	28.35	PASS	Vertical

Mode	LTE	Remark	Traffic
Band	Band=26 BW=20MHz	Channel	26865

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-59.39	-13.00	46.39	PASS	Horizontal
2	208.9038	150	72	-68.77	-13.00	55.77	PASS	Horizontal
3	375.001	150	328	-59.73	-13.00	46.73	PASS	Horizontal
4	1761.6762	150	27	-57.76	-13.00	44.76	PASS	Horizontal
5	5546.2546	150	250	-56.12	-13.00	43.12	PASS	Horizontal
6	16573.5574	150	270	-46.05	-13.00	33.05	PASS	Horizontal
7	58.3297	150	360	-55.35	-13.00	42.35	PASS	Vertical
8	103.7347	150	246	-69.52	-13.00	56.52	PASS	Vertical
9	375.001	150	66	-59.77	-13.00	46.77	PASS	Vertical
10	1710.6711	150	12	-56.11	-13.00	43.11	PASS	Vertical
11	4850.8851	150	3	-43.84	-13.00	30.84	PASS	Vertical
12	16582.0582	150	137	-46.95	-13.00	33.95	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=2 BW=20MHz	Channel	18900

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-66.15	-13.00	53.15	PASS	Horizontal
2	208.9038	150	74	-72.53	-13.00	59.53	PASS	Horizontal
3	437.4815	150	65	-70.83	-13.00	57.83	PASS	Horizontal
4	1748.3166	150	339	-39.89	-13.00	26.89	PASS	Horizontal
5	4959.8807	150	11	-55.04	-13.00	42.04	PASS	Horizontal
6	11244.4996	150	350	-51.54	-13.00	38.54	PASS	Horizontal
7	58.3297	150	214	-61.02	-13.00	48.02	PASS	Vertical
8	208.9038	150	312	-72.15	-13.00	59.15	PASS	Vertical
9	437.4815	150	72	-68.90	-13.00	55.90	PASS	Vertical
10	1748.3166	150	285	-40.14	-13.00	27.14	PASS	Vertical
11	6900.9101	150	246	-56.78	-13.00	43.78	PASS	Vertical
12	11252.3002	150	168	-51.29	-13.00	38.29	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=4 BW=20MHz	Channel	20175

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-66.50	-13.00	53.50	PASS	Horizontal
2	208.9038	150	188	-72.83	-13.00	59.83	PASS	Horizontal
3	375.001	150	357	-63.19	-13.00	50.19	PASS	Horizontal
4	1599.9067	150	253	-51.75	-13.00	38.75	PASS	Horizontal
5	4500.9501	150	244	-63.12	-13.00	50.12	PASS	Horizontal
6	11240.5994	150	279	-52.84	-13.00	39.84	PASS	Horizontal
7	58.3297	150	217	-61.28	-13.00	48.28	PASS	Vertical
8	208.9038	150	315	-72.33	-13.00	59.33	PASS	Vertical
9	375.001	150	50	-63.20	-13.00	50.20	PASS	Vertical
10	1704.3136	150	93	-48.46	-13.00	35.46	PASS	Vertical
11	4507.4505	150	94	-59.71	-13.00	46.71	PASS	Vertical
12	11249.0499	150	176	-52.38	-13.00	39.38	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=12 BW=20MHz	Channel	23095

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-66.30	-13.00	53.30	PASS	Horizontal
2	375.001	150	357	-62.91	-13.00	49.91	PASS	Horizontal
3	739.0178	150	348	-72.91	-13.00	59.91	PASS	Horizontal
4	1940.8461	150	244	-65.08	-13.00	52.08	PASS	Horizontal
5	4617.6745	150	262	-68.67	-13.00	55.67	PASS	Horizontal
6	9634.4756	150	191	-63.65	-13.00	50.65	PASS	Horizontal
7	58.3297	150	297	-60.51	-13.00	47.51	PASS	Vertical
8	375.001	150	63	-62.61	-13.00	49.61	PASS	Vertical
9	625.117	150	3	-70.97	-13.00	57.97	PASS	Vertical
10	1679.9787	150	306	-62.39	-13.00	49.39	PASS	Vertical
11	4960.014	150	357	-46.48	-13.00	33.48	PASS	Vertical
12	9757.4672	150	89	-63.52	-13.00	50.52	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=13 BW=20MHz	Channel	23230

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-65.74	-13.00	52.74	PASS	Horizontal
2	375.001	150	357	-63.25	-13.00	50.25	PASS	Horizontal
3	752.4065	150	50	-69.71	-13.00	56.71	PASS	Horizontal
4	2478.0985	150	42	-60.15	-13.00	47.15	PASS	Horizontal
5	4960.5307	150	71	-54.04	-13.00	41.04	PASS	Horizontal
6	11243.8496	150	46	-52.87	-13.00	39.87	PASS	Horizontal
7	36.9854	150	71	-60.14	-13.00	47.14	PASS	Vertical
8	58.3297	150	71	-60.65	-13.00	47.65	PASS	Vertical
9	315.043	150	176	-71.02	-13.00	58.02	PASS	Vertical
10	1439.896	150	97	-61.76	-13.00	48.76	PASS	Vertical
11	4959.8807	150	238	-53.46	-13.00	40.46	PASS	Vertical
12	11245.7997	150	194	-52.46	-13.00	39.46	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=25 BW=20MHz	Channel	26365

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-64.86	-13.00	51.86	PASS	Horizontal
2	208.9038	150	110	-72.54	-13.00	59.54	PASS	Horizontal
3	375.001	150	331	-64.47	-13.00	51.47	PASS	Horizontal
4	1887.5258	150	173	-47.96	-13.00	34.96	PASS	Horizontal
5	5342.1061	150	3	-61.30	-13.00	48.30	PASS	Horizontal
6	11239.9493	150	148	-53.10	-13.00	40.10	PASS	Horizontal
7	58.3297	150	297	-60.21	-13.00	47.21	PASS	Vertical
8	208.9038	150	315	-72.15	-13.00	59.15	PASS	Vertical
9	375.001	150	70	-62.50	-13.00	49.50	PASS	Vertical
10	1776.3184	150	198	-49.32	-13.00	36.32	PASS	Vertical
11	4803.8703	150	11	-52.79	-13.00	39.79	PASS	Vertical
12	10600.3067	150	355	-54.57	-13.00	41.57	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=5 BW=20MHz	Channel	20525

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-66.19	-13.00	53.19	PASS	Horizontal
2	315.043	150	357	-72.27	-13.00	59.27	PASS	Horizontal
3	882.8006	150	89	-68.48	-13.00	55.48	PASS	Horizontal
4	1679.9787	150	284	-66.20	-13.00	53.20	PASS	Horizontal
5	4804.9037	150	302	-54.38	-13.00	41.38	PASS	Horizontal
6	9754.3336	150	222	-63.15	-13.00	50.15	PASS	Horizontal
7	58.3297	150	306	-59.79	-13.00	46.79	PASS	Vertical
8	208.9038	150	3	-72.83	-13.00	59.83	PASS	Vertical
9	375.001	150	95	-62.66	-13.00	49.66	PASS	Vertical
10	1646.2931	150	306	-66.56	-13.00	53.56	PASS	Vertical
11	5017.2011	150	3	-64.65	-13.00	51.65	PASS	Vertical
12	9718.2979	150	200	-63.39	-13.00	50.39	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=66 BW=20MHz	Channel	66786

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-67.02	-13.00	54.02	PASS	Horizontal
2	208.9038	150	125	-73.08	-13.00	60.08	PASS	Horizontal
3	375.001	150	348	-64.11	-13.00	51.11	PASS	Horizontal
4	1940.7294	150	44	-36.92	-13.00	23.92	PASS	Horizontal
5	4959.8807	150	11	-54.47	-13.00	41.47	PASS	Horizontal
6	11248.3999	150	91	-51.46	-13.00	38.46	PASS	Horizontal
7	62.4045	150	331	-60.50	-13.00	47.50	PASS	Vertical
8	208.9038	150	321	-73.22	-13.00	60.22	PASS	Vertical
9	375.001	150	47	-62.82	-13.00	49.82	PASS	Vertical
10	1940.7294	150	340	-38.80	-13.00	25.80	PASS	Vertical
11	5047.6365	150	310	-58.70	-13.00	45.70	PASS	Vertical
12	11246.4498	150	184	-51.13	-13.00	38.13	PASS	Vertical

Mode	LTE	Remark	Idle
Band	Band=26 BW=20MHz	Channel	26865

Suspected List								
NO.	Freq. [MHz]	Height [cm]	Azimuth [deg]	Level [dBm]	Limit [dBm]	Margin [dB]	Result	Polarity
1	80.062	150	357	-66.42	-13.00	53.42	PASS	Horizontal
2	208.9038	150	78	-72.67	-13.00	59.67	PASS	Horizontal
3	375.001	150	357	-62.80	-13.00	49.80	PASS	Horizontal
4	1861.6574	150	240	-47.98	-13.00	34.98	PASS	Horizontal
5	4852.6235	150	300	-49.76	-13.00	36.76	PASS	Horizontal
6	9792.9529	150	120	-54.90	-13.00	41.90	PASS	Horizontal
7	62.4045	150	299	-60.64	-13.00	47.64	PASS	Vertical
8	375.001	150	74	-62.20	-13.00	49.20	PASS	Vertical
9	625.117	150	357	-72.07	-13.00	59.07	PASS	Vertical
10	1774.585	150	280	-49.28	-13.00	36.28	PASS	Vertical
11	4506.1504	150	306	-59.61	-13.00	46.61	PASS	Vertical
12	11245.1497	150	280	-52.40	-13.00	39.40	PASS	Vertical