FCC PART 27

FCC PART 22H, PART 24E

TEST REPORT

For

Sky Phone LLC

1348 Washington Av. Suite 350, Miami Beach, Florida, United States

FCC ID: 2ABOSSKYELITE4T

Report Type:	**Product Type:**
Class II Permissive Change	4G Smart Phone

Report Number:	RSZ180115028-00DA1
Report Date:	2018-03-28
Reviewed By:	Rocky Kang RF Engineer
Prepared By:	Bay Area Compliance Laboratories Corp. (Shenzhen) 6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	RSZ180115028-00DA1	Original Report	2018-02-07
1	RSZ180115028-00DA1	Updated Report *	2018-03-20
2	RSZ180115028-00DA1	Updated Report **	2018-03-28

Note:
1. *Added the FCC Part 15B JBP into the related submittal(s)/grant(s).

2. **Updated the model of Adapter, it not affect any test data, so we only updated the information of adapter and the adapter label view.

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Sky Phone LLC's* product, model number: Elite 45T *(FCC ID: 2ABOSSKYELITE4T)* or the "EUT" in this report was a *4G Smart Phone,* which was measured approximately:
13.4 cm (L) ×6.9cm (W) × 1.1 cm (H), rated with input voltage: DC 3.7 V battery or DC 5V from adapter.

Adapter Information:
Model: Elite 45T
Input: AC 100-240V, 50/60Hz, 0.15 A
Output: DC 5.0V, 0.5 A

**All measurement and test data in this report was gathered from production sample serial number: 1800063. (Assigned by BACL, Shenzhen). The EUT supplied by the applicant was received on 2018-01-15.*

Objective

This test report is prepared on behalf of *Sky Phone LLC* in accordance with Part 2-Subpart J, Part 22-Subpart H and Part 24-Subpart E and Subpart 27 of the Federal Communication Commissions rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

This is a CIIPC application of the device; the differences between the original device and the current one are as follows:

1. Change the model name to "Elite 45T"
2. Change the size and color of EUT.
3. Change all the size of antenna and antenna gain for marketing purpose.
4. Change the battery capacity.

For the change made to the device, the test item "Radiated Power" and "Spurious Emissions" was performed.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP, FCC Part 15.247 DTS /DSS submissions with FCC ID: 2ABOSSKYELITE4T.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
Part 24 Subpart E - Personal Communication Services
Part 27 – Miscellaneous wireless communications services

Applicable Standards: TIA/EIA 603-D and KDB 971168 D01 v03.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		±1.5dB
Unwanted Emission, conducted		±1.5dB
Emissions, radiated	Below 1GHz	±4.70dB
	Above 1GHz	±4.80dB
Temperature		±1℃
Supply voltages		±0.4%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F., West Wing, Third Phase of Wanli Industrial Building, Shihua Road, Futian Free Trade Zone, Shenzhen, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 382179,the FCC Designation No. : CN5001.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062B.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing according to TIA/EIA-603-D.

The final qualification test was performed with the EUT operating at normal mode.

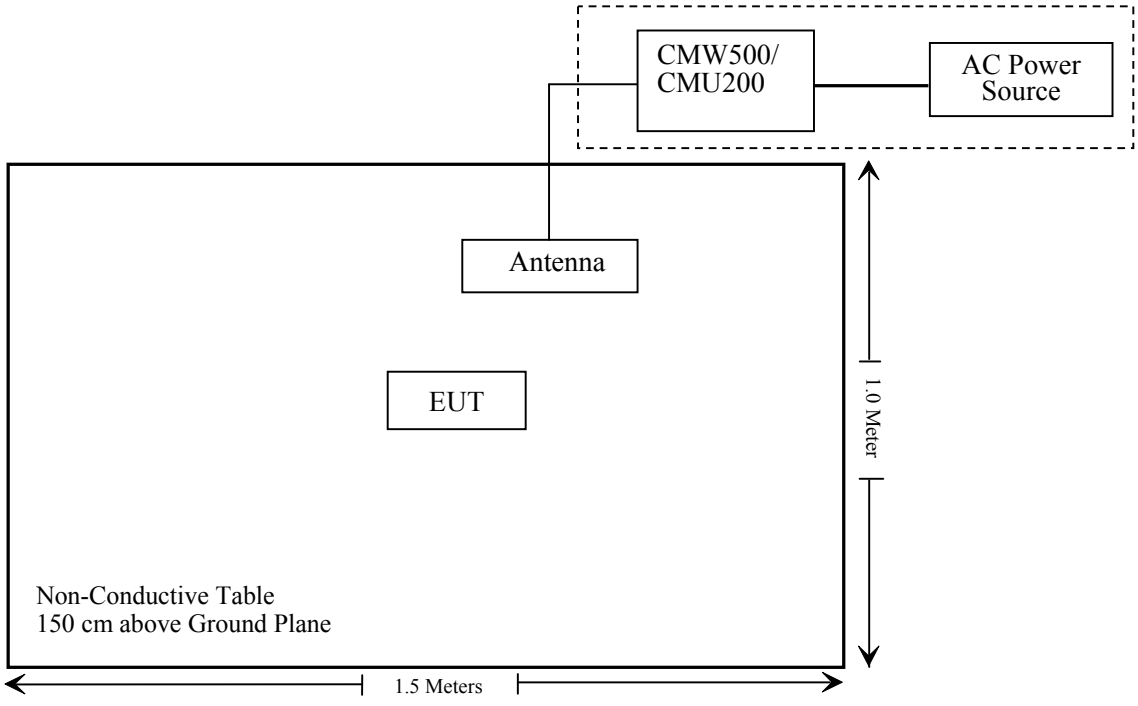
Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	1201.002K50-116218-UY
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	110605

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307, §2.1093	RF Exposure (SAR)	Compliance**
§2.1046; § 22.913 (a); § 24.232 (c); §27.50 (d) (h)	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliance*
§ 2.1051; § 22.917 (a); § 24.238 (a); §27.53 (h)(m)	Spurious Emissions at Antenna Terminal	Compliance*
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53 (h)(m)	Field Strength of Spurious Radiation	Compliance
§ 22.917 (a); § 24.238 (a); §27.53 (h)(m)	Band Edge	Compliance*
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliance*

Compliance*: Please referred to FCC ID: 2ABOSSKYELITE4T granted on 2018-02-13. Report No.: RSZ180110001-00D, which was tested by Hill He, Bay Area Compliance Laboratories Corp. (Shenzhen).
Compliance**: Please refer to SAR report released by BACL, report number: RSZ180115028-20A1

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
A.H.System	Horn Antenna	SAS-200/571	135	2015-08-18	2018-08-17
Rohde & Schwarz	Signal ANALYZER	FSIQ26	8386001028	2017-04-24	2018-04-24
Sunol Sciences	Broadband Antenna	JB1	A040904-2	2017-12-17	2020-12-16
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2017-05-21	2018-05-21
HP	Amplifier	HP8447E	1937A01046	2017-11-19	2018-05-21
Anritsu	Signal Generator	68369B	004114	2017-12-07	2018-12-07
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2017-12-07	2018-12-07
COM POWER	Dipole Antenna	AD-100	041000	NCR	NCR
A.H. System	Horn Antenna	SAS-200/571	135	2015-08-18	2018-08-17
Ducommun technologies	RF Cable	UFA210A-1-4724-30050U	MFR64369 223410-001	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	104PEA	218124002	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	RG-214	1	2017-11-19	2018-05-21
Ducommun technologies	RF Cable	RG-214	2	2017-11-22	2018-05-22
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-04	2017-12-29	2020-12-29
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2017-12-29	2020-12-29
Ducommun technologies	Pre-amplifier	ALN-22093530-01	991373-01	2017-08-03	2018-08-03

* 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).

FCC §1.1307(b) & §2.1093 - RF EXPOSURE INFORMATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: RSZ180115028-20A1.

FCC § 2.1046, § 22.913 (a) & § 24.232 (c); §27.50 (d) (h) - RF OUTPUT POWER

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

According to §27.50(d), the maximum EIRP must not exceed 1Watts (30dBm) for 1710-1755MHz.

According to §27.50(h), the maximum EIRP must not exceed 2Watts (33dBm) for 2500-2570MHz.

Test Procedure

Radiated method:

TIA 603-D section 2.2.17

Test Data

Environmental Conditions

Temperature:	25 ℃
Relative Humidity:	50 %
ATM Pressure:	101.0 kPa

The testing was performed by Hill He on 2018-02-05.

Radiated Power

GSM Mode:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H/24E	
			Height (m)	Polar (H/V)	Level (dBm)	Cable loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
ERP for Cellular Band (Part 22H), Middle Channel										
836.6	90.33	255	2.2	H	27.9	0.7	0.0	27.20	38.45	11.25
836.6	91.15	328	1.6	V	30.7	0.7	0.0	30.00	38.45	8.45
EIRP for PCS Band (Part 24E), Middle Channel										
1880.00	87.26	193	1.9	H	17.2	1.30	8.50	24.40	33	8.6
1880.00	90.14	273	1.9	V	19.9	1.30	8.50	27.10	33	5.9

EDGE Mode:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (m)	Polar (H/V)	Level (dBm)	Cable loss (dB)	Antenna Gain (dB)			
ERP, Cellular Band (Part 22H), Middle Channel										
836.6	86.31	75	1.8	H	23.9	0.7	0.0	23.20	38.45	15.25
836.6	87.09	236	1.9	V	26.7	0.7	0.0	26.00	38.45	12.45
EIRP, PCS Band (Part 24E), Middle Channel										
1880.00	85.31	80	1.7	H	15.3	1.30	8.50	22.50	33	10.5
1880.00	88.56	299	2.5	V	18.3	1.30	8.50	25.50	33	7.5

WCDMA Mode:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H/24E	
			Height (m)	Polar (H/V)	Level (dBm)	Cable loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
ERP for WCDMA Band V (Part 22H), Middle Channel										
836.6	82.43	258	1.7	H	20.0	0.7	0.0	19.30	38.45	19.15
836.6	81.96	140	2.0	V	21.5	0.7	0.0	20.80	38.45	17.65
EIRP for WCDMA Band II (Part 24E), Middle Channel										
1880.00	82.69	138	2.1	H	12.6	1.30	8.50	19.80	33	13.2
1880.00	83.24	20	1.9	V	13.0	1.30	8.50	20.20	33	12.8

Note:
Absolute Level = Substituted Level - Cable loss + Antenna Gain
Margin = Limit- Absolute Level

LTE Band 4:

QPSK:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
1.4 MHz Bandwidth									
1732.50	85.84	72	2.1	H	12.7	1.30	9.10	20.50	30
1732.50	85.10	338	1.5	V	12.5	1.30	9.10	20.30	30
3 MHz Bandwidth									
1732.50	86.14	273	1.2	H	13.0	1.30	9.10	20.80	30
1732.50	85.24	292	1.4	V	12.7	1.30	9.10	20.50	30
5 MHz Bandwidth									
1732.50	85.74	263	1.2	H	12.6	1.30	9.10	20.40	30
1732.50	84.67	280	1.6	V	12.1	1.30	9.10	19.90	30
10 MHz Bandwidth									
1732.50	86.23	84	1.5	H	13.1	1.30	9.10	20.90	30
1732.50	84.79	346	2.0	V	12.2	1.30	9.10	20.00	30
15 MHz Bandwidth									
1732.50	86.43	143	1.8	H	13.3	1.30	9.10	21.10	30
1732.50	85.42	308	1.7	V	12.9	1.30	9.10	20.70	30
20 MHz Bandwidth									
1732.50	85.91	11	1.8	H	12.7	1.30	9.10	20.50	30
1732.50	85.06	325	1.8	V	12.5	1.30	9.10	20.30	30

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
1.4 MHz Bandwidth									
1732.50	86.14	20	1.2	H	13.0	1.30	9.10	20.80	30
1732.50	85.31	246	1.9	V	12.7	1.30	9.10	20.50	30
3 MHz Bandwidth									
1732.50	86.17	338	2.0	H	13.0	1.30	9.10	20.80	30
1732.50	84.69	317	1.3	V	12.1	1.30	9.10	19.90	30
5 MHz Bandwidth									
1732.50	86.75	79	2.1	H	13.6	1.30	9.10	21.40	30
1732.50	85.22	341	1.7	V	12.7	1.30	9.10	20.50	30
10 MHz Bandwidth									
1732.50	86.14	20	1.2	H	13.0	1.30	9.10	20.80	30
1732.50	85.31	246	1.9	V	12.7	1.30	9.10	20.50	30
15 MHz Bandwidth									
1732.50	86.21	191	1.3	H	13.0	1.30	9.10	20.80	30
1732.50	84.97	101	2.5	V	12.4	1.30	9.10	20.20	30
20 MHz Bandwidth									
1732.50	86.47	222	1.6	H	13.3	1.30	9.10	21.10	30
1732.50	84.26	132	2.2	V	11.7	1.30	9.10	19.50	30

LTE Band 5:

QPSK:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
1.4 MHz Bandwidth									
836.5	83.24	347	2.2	H	20.8	0.7	0.0	20.10	38.45
836.5	80.13	164	1.4	V	19.7	0.7	0.0	19.00	38.45
3 MHz Bandwidth									
836.6	83.31	264	1.2	H	20.9	0.7	0.0	20.20	38.45
836.6	80.23	41	1.3	V	19.8	0.7	0.0	19.10	38.45
5 MHz Bandwidth									
836.6	84.05	190	1.3	H	21.6	0.7	0.0	20.90	38.45
836.6	80.69	304	1.7	V	20.3	0.7	0.0	19.60	38.45
10 MHz Bandwidth									
836.6	83.59	31	1.4	H	21.2	0.7	0.0	20.50	38.45
836.6	80.42	101	1.1	V	20.0	0.7	0.0	19.30	38.45

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
1.4 MHz Bandwidth									
836.6	83.32	220	1.8	H	20.9	0.7	0.0	20.20	38.45
836.6	80.56	310	1.3	V	20.1	0.7	0.0	19.40	38.45
3 MHz Bandwidth									
836.6	83.81	234	2.1	H	21.4	0.7	0.0	20.70	38.45
836.6	80.95	102	1.3	V	20.5	0.7	0.0	19.80	38.45
5 MHz Bandwidth									
836.6	83.28	39	1.9	H	20.9	0.7	0.0	20.20	38.45
836.6	80.57	192	1.9	V	20.1	0.7	0.0	19.40	38.45
10 MHz Bandwidth									
836.6	83.58	344	1.9	H	21.2	0.7	0.0	20.50	38.45
836.6	80.37	107	1.8	V	19.9	0.7	0.0	19.20	38.45

LTE Band 7:

QPSK:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
5 MHz Bandwidth									
2535.00	84.20	181	2.0	H	14.7	2.60	9.30	21.40	33
2535.00	82.64	300	2.0	V	13.8	2.60	9.30	20.50	33
10 MHz Bandwidth									
2535.00	84.15	57	1.6	H	14.7	2.60	9.30	21.40	33
2535.00	82.49	307	1.8	V	13.6	2.60	9.30	20.30	33
15 MHz Bandwidth									
2535.00	84.07	92	1.9	H	14.6	2.60	9.30	21.30	33
2535.00	82.46	90	1.9	V	13.6	2.60	9.30	20.30	33
20 MHz Bandwidth									
2535.00	84.36	199	2.0	H	14.9	2.60	9.30	21.60	33
2535.00	82.74	15	1.3	V	13.9	2.60	9.30	20.60	33

16QAM:

Frequency (MHz)	Receiver Reading (dBμV)	Turn table Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		
Middle Channel									
5 MHz Bandwidth									
2535.00	84.12	23	1.1	H	14.6	2.60	9.30	21.30	33
2535.00	82.46	135	2.3	V	13.6	2.60	9.30	20.30	33
10 MHz Bandwidth									
2535.00	84.23	101	1.3	H	14.7	2.60	9.30	21.40	33
2535.00	82.96	22	2.1	V	14.1	2.60	9.30	20.80	33
15 MHz Bandwidth									
2535.00	84.41	5	2.3	H	14.9	2.60	9.30	21.60	33
2535.00	83.01	293	1.9	V	14.1	2.60	9.30	20.80	33
20 MHz Bandwidth									
2535.00	84.39	117	2.4	H	14.9	2.60	9.30	21.60	33
2535.00	83.28	140	2.3	V	14.4	2.60	9.30	21.10	33

Note:
All above data were tested with no amplifier
Absolute Level = Substituted Level - Cable loss + Antenna Gain
Margin = Limit- Absolute Level

FCC § 2.1053; § 22.917 (a);§ 24.238 (a); §27.53 (h)(m) SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917(a) and § 24.238(a) and § 27.53(h)(m)

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Test Data

Environmental Conditions

Temperature:	24 ℃
Relative Humidity:	48 %
ATM Pressure:	110.0 kPa

The testing was performed by Hill He on 2018-02-05.

EUT operation mode: Transmitting

Pre-scan with Low, Middle and High channel, the worst case as below:

30 MHz ~ 10 GHz:

Cellular Band (Part 22H)

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 22H	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
GSM Mode, middle channel										
193.56	36.41	240	1.1	H	-60.6	0.29	0	-60.89	-13	47.89
193.56	36.69	136	1.7	V	-60.3	0.29	0	-60.59	-13	47.59
1673.20	55.37	155	2.0	H	-51.7	1.30	9.10	-43.90	-13	30.90
1673.20	57.97	67	2.0	V	-48.5	1.30	9.10	-40.70	-13	27.70
2509.80	58.2	294	1.3	H	-45.3	2.60	9.30	-38.60	-13	25.60
2509.80	60.31	121	1.2	V	-42.6	2.60	9.30	-35.90	-13	22.90
3346.40	43.21	220	2.2	H	-57.1	1.50	9.60	-49.00	-13	36.00
3346.40	43.32	225	2.3	V	-57.1	1.50	9.60	-49.00	-13	36.00
WCDMA Mode, middle channel										
193.56	35.49	192	2.3	H	-61.5	0.29	0	-61.79	-13	48.79
193.56	36.77	159	1.5	V	-60.2	0.29	0	-60.49	-13	47.49
1673.20	43.64	220	1.4	H	-63.4	1.30	9.10	-55.60	-13	42.60
1673.20	45.01	224	1.2	V	-61.5	1.30	9.10	-53.70	-13	40.70
2509.80	49.06	125	2.1	H	-54.5	2.60	9.30	-47.80	-13	34.80
2509.80	51.78	90	2.3	V	-51.1	2.60	9.30	-44.40	-13	31.40
3346.40	46.03	192	1.0	H	-54.3	1.50	9.60	-46.20	-13	33.20
3346.40	46.33	13	2.2	V	-54.0	1.50	9.60	-45.90	-13	32.90

30 MHz ~ 20 GHz:

PCS Band (Part 24E)

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	FCC Part 24E	
			Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)		Limit (dBm)	Margin (dB)
GSM Mode, middle channel										
193.56	35.19	298	2.4	H	-61.8	0.29	0	-62.09	-13	49.09
193.56	36.06	298	1.4	V	-60.9	0.29	0	-61.19	-13	48.19
3760.00	46.24	62	2.0	H	-55.0	1.50	9.70	-46.80	-13	33.80
3760.00	49.46	303	1.3	V	-51.3	1.50	9.70	-43.10	-13	30.10
5640.00	47.19	118	1.4	H	-50.4	1.70	11.20	-40.90	-13	27.90
5640.00	49.06	344	2.0	V	-48.2	1.70	11.20	-38.70	-13	25.70
WCDMA Mode, middle channel										
193.56	35.18	102	1.3	H	-61.8	0.29	0	-62.09	-13	49.09
193.56	35.32	28	2.4	V	-61.7	0.29	0	-61.99	-13	48.99
3760.00	42.09	335	1.3	H	-59.1	1.50	9.70	-50.90	-13	37.90
3760.00	42.04	185	2.5	V	-58.7	1.50	9.70	-50.50	-13	37.50
5640.00	42.98	142	1.3	H	-54.6	1.70	11.20	-45.10	-13	32.10
5640.00	42.37	354	2.3	V	-54.9	1.70	11.20	-45.40	-13	32.40

LTE Band: *(Pre-scan with all the bandwidth, and worse case as below)*

Frequency	Receiver	Turntable	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
(MHz)	Reading (dBμV)	Angle Degree	Height (m)	Polar (H/V)	Level (dBm)	Cable Loss (dB)	Antenna Gain (dB)			
Band 4, Middle channel, QPSK, 1.4MHz										
Test frequency range:30 MHz ~ 20 GHz										
193.56	36.28	141	1.7	H	-60.7	0.29	0	-60.99	-13	47.99
193.56	35.67	256	1.9	V	-61.3	0.29	0	-61.59	-13	48.59
3465.00	43.41	141	1.0	H	-57.0	1.50	9.70	-48.80	-13	35.80
3465.00	44.3	164	1.0	V	-56.8	1.50	9.70	-48.60	-13	35.60
5197.50	43.99	156	1.8	H	-54.6	1.60	11.20	-45.00	-13	32.00
5197.50	42.37	129	2.3	V	-55.8	1.60	11.20	-46.20	-13	33.20
Band 5, Middle channel, QPSK, 5MHz										
Test frequency range:30 MHz ~ 9 GHz										
193.56	36.49	307	1.5	H	-60.5	0.29	0	-60.79	-13	47.79
193.56	36.14	38	1.6	V	-60.9	0.29	0	-61.19	-13	48.19
1673.00	43.09	76	1.1	H	-64.0	1.30	9.10	-56.20	-13	43.20
1673.00	44.04	133	1.3	V	-62.4	1.30	9.10	-54.60	-13	41.60
2509.50	47.78	8	2.2	H	-55.7	2.60	9.30	-49.00	-13	36.00
2509.50	48.21	156	1.6	V	-54.7	2.60	9.30	-48.00	-13	35.00
3346.00	50.83	171	1.5	H	-49.5	1.50	9.60	-41.40	-13	28.40
3346.00	46.14	326	1.9	V	-54.2	1.50	9.60	-46.10	-13	33.10
Band 7, Middle channel, QPSK, 5MHz										
Test frequency range:30 MHz ~ 26 GHz										
193.56	35.08	338	1.5	H	-61.9	0.29	0	-62.19	-25	37.19
193.56	35.64	221	1.0	V	-61.4	0.29	0	-61.69	-25	36.69
5070.00	46.95	286	2.4	H	-50.9	1.60	11.20	-41.30	-25	16.30
5070.00	43.79	261	2.1	V	-54.1	1.60	11.20	-44.50	-25	19.50
7605.00	43.97	359	2.4	H	-51.2	2.10	11.60	-41.70	-25	16.70
7605.00	42.37	321	1.9	V	-52.6	2.10	11.60	-43.10	-25	18.10

Note:
1) Absolute Level = Substituted Level - Cable loss + Antenna Gain
2) Margin = Limit- Absolute Level

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