

Test Report

Report No.: HQ191231EL07-FR

FCC ID: 2AWK4SR200615

Applicant: Suirui Group Co., Ltd.

Address: Buildings 18/19, North Olympic Sci.&Tech. Park, 1st Baosheng S.
Rd., Haidian, Beijing, P.R.C.

Product: Zhumu Cloud Video Conferencing Collaboration Kit

Brand:  SUIRUI

Test Model(s): ZM-3100

Series Model(s): ZM-**00 (The “**” can be “31” to “69” for market use)

Test Date: Mar. 24, 2020 ~ Aug 22, 2020

Issued By: Hwa-Hsing (Dongguan) Testing Co., Ltd.

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FCC Designation Number: CN1255

Standards: FCC Part 15, Subpart E, Section 15.407

The above equipment has been tested by **Hwa-Hsing (Dongguan) Testing Co., Ltd.**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

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Release Control Record

Issue No.	Description	Date Issued
HQ191231EL07-FR	Original release.	Aug. 24, 2020

1 Summary of test results

The EUT has been tested according to the following specifications:

FCC part 15, subpart e (section 15.407 under new rule) ANSI C63.10:2013			
Standard section	Test type	Result	Remark
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit.
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	No antenna connector is used

1.1 Measurement uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions	150kHz ~ 30MHz	2.66 dB
Radiated emissions	9KHz ~ 30MHz	2.90 dB
	30MHz ~ 1000MHz	3.47 dB
	1GHz ~ 18GHz	4.84 dB
	18GHz ~ 40GHz	4.62 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

1.2 Modification Record

There were no modifications required for compliance.

2 General information of EUT

2.1 General description of EUT

Product	Zhumu Cloud Video Conferencing Collaboration Kit
Brand	 SUIRUI
Test Model(s)	ZM-3100
Series Model(s)	ZM-**00 (The "***" can be "31" to "69" for market use)
Models difference description	Difference for model name only
Power supply	DC19V from Adapter
Status of EUT	Engineering prototype
Modulation technology	OFDM
Modulation type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Transfer rate	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps 802.11ac : up to 867Mbps
Operating frequency	5180~5240MHz, 5260~5320MHz 5500~5700MHz, 5745~5825MHz
Number of channel	See the section 2.2
Conducted output power	7.40 dBm for 5150 ~ 5250MHz (Maximum AVG Power) 12.24dBm for 5250 ~ 5350MHz (Maximum AVG Power) 12.55dBm for 5470 ~ 5725MHz (Maximum AVG Power) 9.72dBm for 5725 ~ 5850MHz (Maximum AVG Power)
Antenna type& Antenna Gain	PCB antenna with 6.55dBi gain
Antenna connector	I-PEX
Product SW/HW	win 10/ABVCS7300
Radio SW/HW	win 10/ABVCS7300
EUT Category	Mobile and Portable client device

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- Please refer to the EUT photo document for detailed product photo (Reference No.: HQ191231EL07).
- The UUT power supply the adapter as below:

Brand	
Model	HKA09019047-6U
Input:	AC100-240V~50/60Hz, 1.5A
Output:	DC19V 4.74A

5. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitter and 2 receiver.

Support mode	Transmit and receive mode	Transmit and Receive Chain
802.11a	MIMO	2TX,2RX
802.11n HT20	MIMO	2TX,2RX
802.11n HT40	MIMO	2TX,2RX
802.11ac VHT20	MIMO	2TX,2RX
802.11ac VHT40	MIMO	2TX,2RX
802.11ac VHT80	MIMO	2TX,2RX

*The modulation and bandwidth are similar for 802.11h mode for 20MHz / 40MHz and 802.11ac mode for 20MHz/ 40MHz, therefore investigated worst case to representative mode in test report.

Power setting value from test software:

EUT configure mode	Antenna Transmitter technique	Freq. Band (MHz)	Power Setting Value
802.11a	MIMO	5150-5250	4
802.11n (20MHz)	MIMO		4
802.11n (40MHz)	MIMO		4
802.11ac 20MHz	MIMO		4
802.11ac 40MHz	MIMO		4
802.11ac 80MHz	MIMO		4
802.11a	MIMO	5250-5350	8
802.11n (20MHz)	MIMO		8
802.11n (40MHz)	MIMO		8
802.11ac 20MHz	MIMO		8
802.11ac 40MHz	MIMO		8
802.11ac 80MHz	MIMO		8
802.11a	MIMO	5470-5725	8
802.11n (20MHz)	MIMO		8
802.11n (40MHz)	MIMO		8
802.11ac 20MHz	MIMO		8
802.11ac 40MHz	MIMO		8
802.11ac 80MHz	MIMO		8
802.11a	MIMO	5725-5850	8
802.11n (20MHz)	MIMO		8
802.11n (40MHz)	MIMO		8
802.11ac 20MHz	MIMO		8
802.11ac 40MHz	MIMO		8
802.11ac 80MHz	MIMO		8

2.2 Description of test modes

For 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz):

Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz
44	5220 MHz	48	5240 MHz

2 channels are provided for 802.11a c 40MHz, 802.11n (40MHz):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency	Channel	Frequency
42	5210MHz	--	--

For 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz):

Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz

2 channels are provided for 802.11a c 40MHz, 802.11n (40MHz):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency	Channel	Frequency
58	5290MHz	--	--

For 5470 ~ 5725MHz

11 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz):

Channel	Frequency	Channel	Frequency
100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz
124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz
140	5700 MHz	--	--

4 channels are provided for 802.11a c 40MHz, 802.11n (40MHz):

Channel	Frequency	Channel	Frequency
102	5510 MHz	110	5550 MHz
118	5590 MHz	134	5670 MHz

2 channel is provided for 802.11ac (80MHz):

Channel	Frequency	Channel	Frequency
106	5530MHz	122	5610MHz

For 5725 ~ 5850MHz

5 channels are provided for 802.11a, 802.11a c 20MHz, 802.11n (20MHz):

Channel	Frequency	Channel	Frequency
149	5745MHz	153	5765MHz
157	5785MHz	161	5805MHz
165	5825MHz	--	--

2 channels are provided for 802.11a c 40MHz, 802.11n (40MHz):

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (80MHz):

Channel	Frequency	Channel	Frequency
155	5775MHz	--	--

2.3 Test mode applicability and tested channel detail

EUT Configure mode		Applicable test items				Description
		RE≥1G	RE≤1G	PLC	APCM	
802.11a		√	√	√	√	Fully test
802.11n HT20		√	-	√	√	Fully test
802.11n HT40		√	-	√	√	Fully test
802.11ac VHT20		√	-	-	-	Power check
802.11ac VHT40		√	-	-	-	Power check
802.11ac VHT80		√	-	√	√	Fully test
Where:	RE≥1G: Radiated Emission above 1GHz					
	RE≤1G: Radiated Emission below 1GHz					
	PLC: Power Line Conducted Emission					
	APCM: Antenna Port Conducted Measurement					
<u>Radiated Emission:</u> The EUT had been pre-tested on the positioned of each 3 axis. Pretest mode: 802.11a, Channel 38 transmitting. The worst case was found when positioned on X-plane .						

Antenna Transmitter technique:

EUT Configure mode	SISO	SISO	MIMO	Description
	Ant 0	Ant 0	Ant 0+Ant 1	
802.11a, CH36	√	√	Worst case mode	Max. field strength check To determine the worst-case Transmitter mode
802.11n (20MHz)	√	√		
802.11n (20MHz)	-	-	√	Max. conducted power check To determine the worst-case mode
802.11ac (20MHz)	-	-	√	
802.11n (40MHz)	-	-	√	
802.11ac (40MHz)	-	-	√	
802.11ac (80MHz)	-	-	√	

Radiated emission test (above 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Worst position	Freq. Band (MHz)	Antenna Transmitter technique	Tested channel	Modulation technology	Modulation type	Data rate (Mbps)
802.11a	Z-plane	5150-5250	MIMO	36, 40, 48	OFDM	BPSK	6.0
802.11n (20MHz)	Z-plane		MIMO	36, 40, 48	OFDM	BPSK	6.5
802.11n (40MHz)	Z-plane		MIMO	38, 46	OFDM	BPSK	13.5
802.11ac 80MHz	Z-plane		MIMO	42	OFDM	BPSK	V0
802.11a	Z-plane	5250-5350	MIMO	52, 60, 64	OFDM	BPSK	6.0
802.11n (20MHz)	Z-plane		MIMO	52, 60, 64	OFDM	BPSK	MCS0
802.11n (40MHz)	Z-plane		MIMO	54, 62	OFDM	BPSK	MCS0
802.11ac 80MHz	Z-plane		MIMO	58	OFDM	BPSK	V0
802.11a	Z-plane	5470-5725	MIMO	100, 112, 140	OFDM	BPSK	6.0
802.11n (20MHz)	Z-plane		MIMO	100, 112, 140	OFDM	BPSK	MCS0
802.11n (40MHz)	Z-plane		MIMO	102, 110, 134	OFDM	BPSK	MCS0
802.11ac 80MHz	Z-plane		MIMO	106	OFDM	BPSK	V0
802.11a	Z-plane	5725-5850	MIMO	149, 157, 165	OFDM	BPSK	6.0
802.11n (20MHz)	Z-plane		MIMO	149, 157, 165	OFDM	BPSK	MCS0
802.11n (40MHz)	Z-plane		MIMO	151, 159	OFDM	BPSK	MCS0
802.11ac 80MHz	Z-plane		MIMO	155	OFDM	BPSK	V0

Radiated emission test (below 1GHz):

- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure mode	Worst Position	Freq. Band (MHz)	Antenna Transmitter technique	Worst case channel	Modulation technology	Modulation type	Data rate (Mbps)
802.11a	Z-plane	5150-5250 5470-5725 5725-5850	MIMO	100	OFDM	BPSK	6.0

Power line conducted emission test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure mode	Worst Position	Freq. Band (MHz)	Antenna Transmitter technique	Tested channel	Modulation technology	Modulation type	Data rate (Mbps)
802.11a	-	5150-5250 5470-5725 5725-5850	MIMO	100	OFDM	BPSK	6.0

Antenna port conducted measurement:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT configure mode	Antenna Transmitter technique	Freq. Band (MHz)	Tested channel	Modulation technology	Modulation type	Data rate (Mbps)
802.11a	MIMO	5150-5250	36, 40, 48	OFDM	BPSK	6.0
802.11n (20MHz)	MIMO		36, 40, 48	OFDM	BPSK	6.5
802.11n (40MHz)	MIMO		38, 46	OFDM	BPSK	13.5
802.11ac 80MHz	MIMO		42	OFDM	BPSK	V0
802.11a	MIMO	5250-5350	52, 60, 64	OFDM	BPSK	6.0
802.11n (20MHz)	MIMO		52, 60, 64	OFDM	BPSK	MCS0
802.11n (40MHz)	MIMO		54, 62	OFDM	BPSK	MCS0
802.11ac 80MHz	MIMO		58	OFDM	BPSK	V0
802.11a	MIMO	5470-5725	100, 112, 140	OFDM	BPSK	6.0
802.11n (20MHz)	MIMO		100, 112, 140	OFDM	BPSK	MCS0
802.11n (40MHz)	MIMO		102, 110, 134	OFDM	BPSK	MCS0
802.11ac 80MHz	MIMO		106	OFDM	BPSK	V0
802.11a	MIMO	5725-5850	149, 157, 165	OFDM	BPSK	6.0
802.11n (20MHz)	MIMO		149, 157, 165	OFDM	BPSK	MCS0
802.11n (40MHz)	MIMO		151, 159	OFDM	BPSK	MCS0
802.11ac 80MHz	MIMO		155	OFDM	BPSK	V0

Test condition:

Applicable to	Environmental conditions	Power supply	Tested by
RE<1G	25.2deg. C, 55%RH	DC 19V From adapter	Tank Tan
RE≥1G	24.2deg. C, 55%RH	DC 19V From adapter	Tank Tan
PLC	25.4deg. C, 56%RH	DC 19V From adapter	Tank Tan
APCM	24.6deg. C, 55%RH	DC 19V From adapter	Harry Li

2.4 Duty cycle of test signal

Chain 0 & Chain 1: Duty cycle of test signal<98%



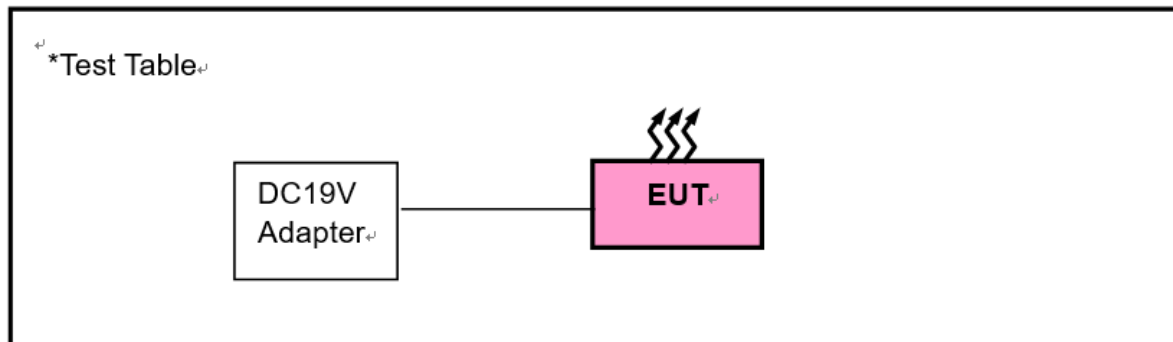
2.5 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model no.	Serial no.	FCC ID
1	Mouse	DELL	MS111-L	CN-09RRC7-44751-0C6-04TR	N/A
2	Keyboard	DELL	KDY1202000	N/A	N/A

No.	Description of the above support units
1	USB Line: Un-shieldin 1.5m
2	USB Line: Un-shieldin 1.5m

Configuration of System under Test:



2.6 General description of applied standards

The EUT is a RF Product. According to the specification of the EUT declared by the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)
789033 D02 General UNII Test Procedures New Rules v01r03
KDB 662911 D01 v02r01
 ANSI C63.10-2013

(All test items have been performed and recorded as per the above standards) .

Note:

The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15.Subpart B. Class B (DoC). The test report has been issued separately.

3 Test types and results

3.1 Radiated emission and band-edge measurement

3.1.1 Limits of radiated emission and band-edge measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequencies (MHz)	Field strength (micro volts/meter)	Measurement distance(meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 30dB under any condition of modulation.

3.1.2 Limits of unwanted emission out of the restricted bands

Applicable to	Limit	
789033 D02 General UNII Test Procedures New Rules v01r03	Field strength at 3m	
	PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
Applicable to	EIRP Limit	Equivalent field strength at 3m
15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK: -27 (dBm/MHz)#1 PK: -17 (dBm/MHz)#2	PK: 68.2 (dBμV/m)#1 PK: 78.2 (dBμV/m)#2
	#1: Beyond 10MHz of the band edge #2: with in 10MHz of band edge	

*For transmitters operating in the 5.725-5.85 GHz band:

Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \quad \mu\text{V/m, where } P \text{ is the eirp (Watts).}$$

3.1.3 Test instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
EMI Test Receiver Rohde&Schwarz	ESCI 7	100962	2019-07-16	2020-07-15
Broadband antenna Schwarzbeck	VULB 9168	00937	2019-10-18	2020-10-17
3m Semi-anechoic Chamber MAORUI	9m*6m*6m	NSEMC003	2020-04-15	2021-04-14
Signal Amplifier Com-power	PAM-103	18020051	2019-10-18	2020-10-17
Attenuator Rohde&Schwarz	TS2GA-6dB	18101101	N/A	N/A
Test software FARAD	FARAD	EZ_EMCV1.1.4.2	N/A	N/A
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	2019-10-18	2020-10-17
Loop Antenna	HLA 6121	45745	2019-10-18	2020-10-17
Preamplifier EMCI	EMC001340	980201	2019-10-18	2020-10-17
Digital Multimeter FLUKE	15B+	43512617WS	2019-10-18	2020-10-17
Horn Antenna Schwarzbeck	BBHA 9170	01959	2019-10-18	2020-10-17
Spectrum Analyzer Rohde&Schwarz	FSV-40N	101783	2019-10-18	2020-10-17
Broadband Coaxial Preamplifier Schwarzbeck	BBV 9718	00025	2019-10-18	2020-10-17
Horn Antenna Schwarzbeck	BBHA 9170	BBHA9170242	2019-10-18	2020-10-17
Pre-Amplifier EMCI	EMC 184045	980102	2019-10-18	2020-10-17
Spectrum Keysight	N9020A	MY51240612	2019-10-18	2020-10-17
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower&Turn Table Controller MF	MF-7802	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA.

2. The test was performed in Chamber 1.

3.1.4 Test procedures

- a. The EUT was placed on the top of a rotating table 0.8 meters (below 1GHz) / 1.5 meters (1-18GHz) / 1.5 meters (18-40GHz) above the reference ground. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna (Below 1GHz)& (Above 1-18GHz), which was mounted on the top of a variable-height antenna tower. The EUT was set 1 meters away from the interference-receiving antenna (18-40GHz).
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Note:

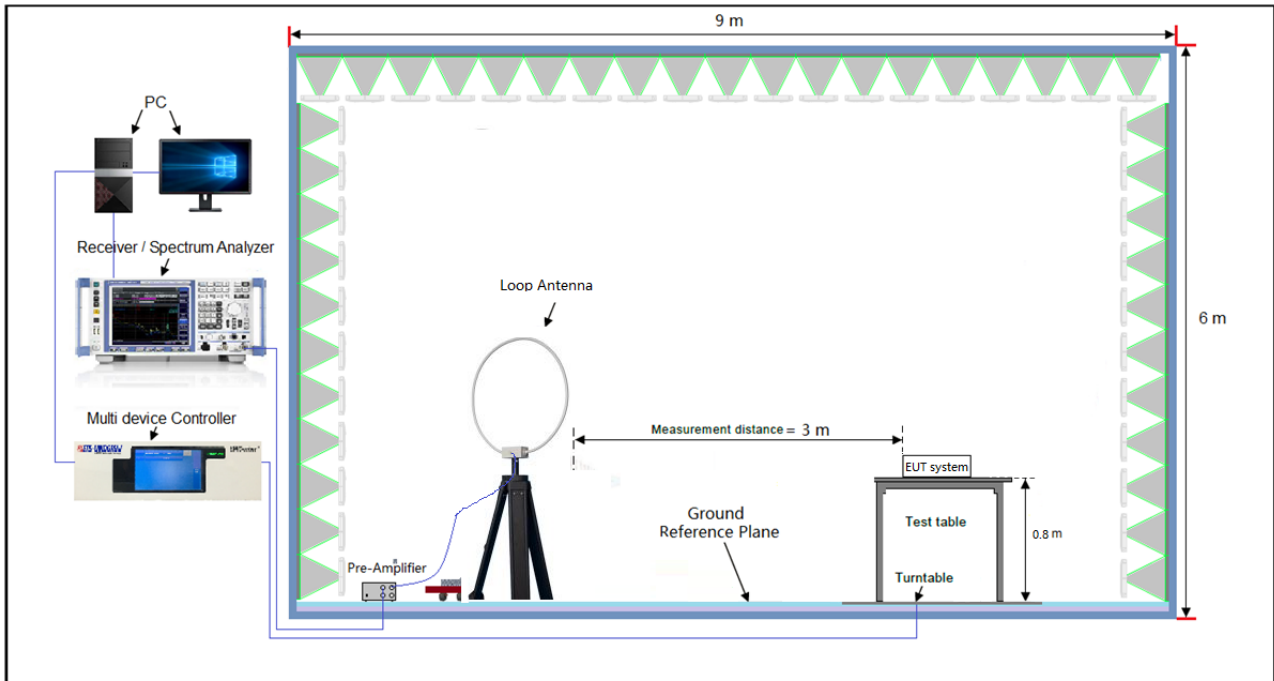
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

3.1.5 Deviation from test standard

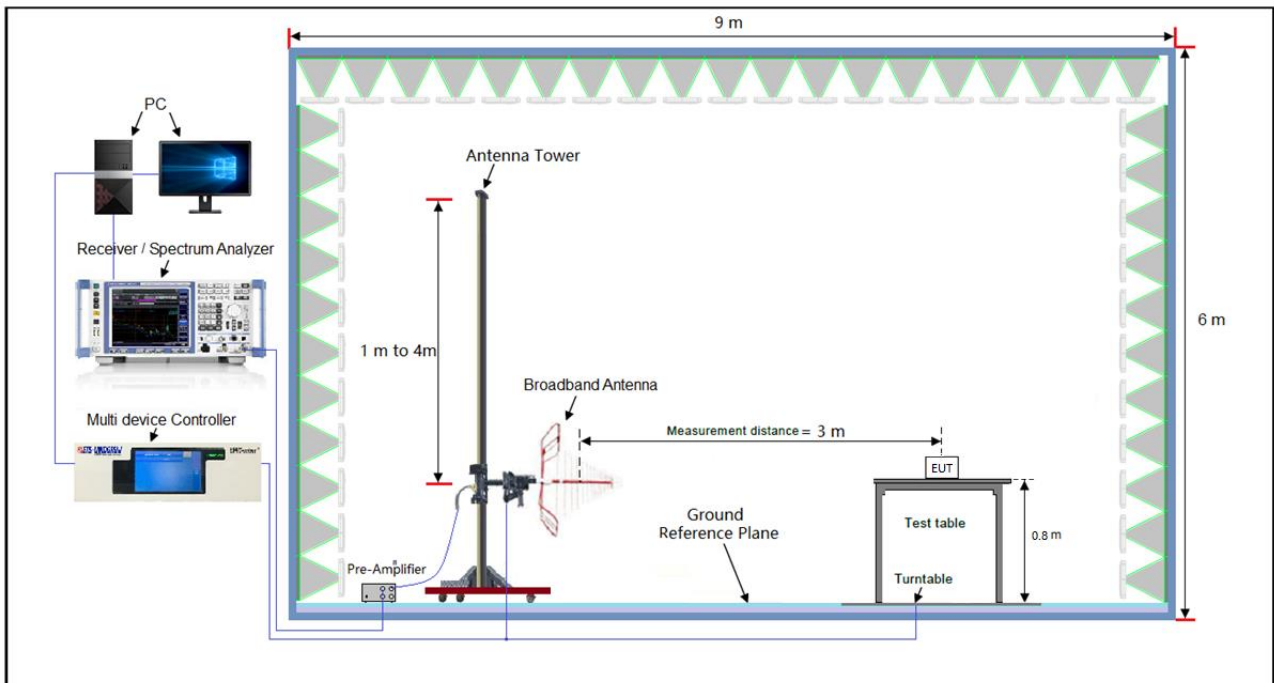
No deviation.

3.1.6 Test setup

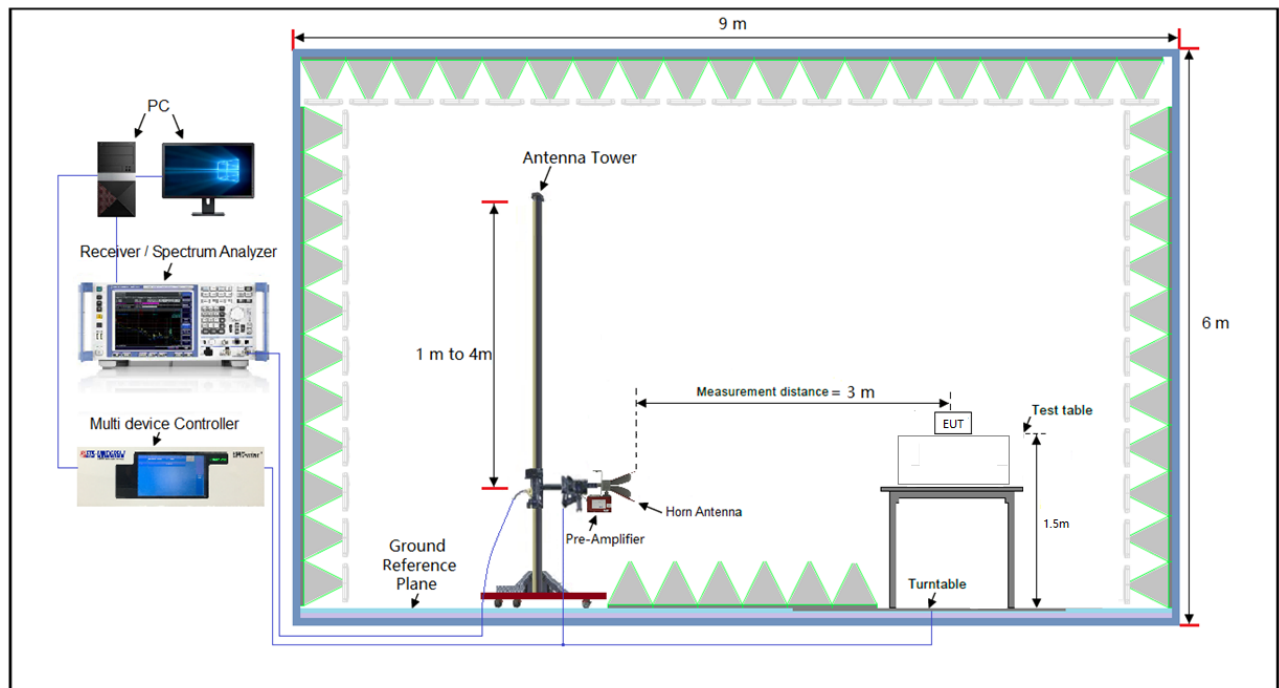
Radiated emission below 30MHz:



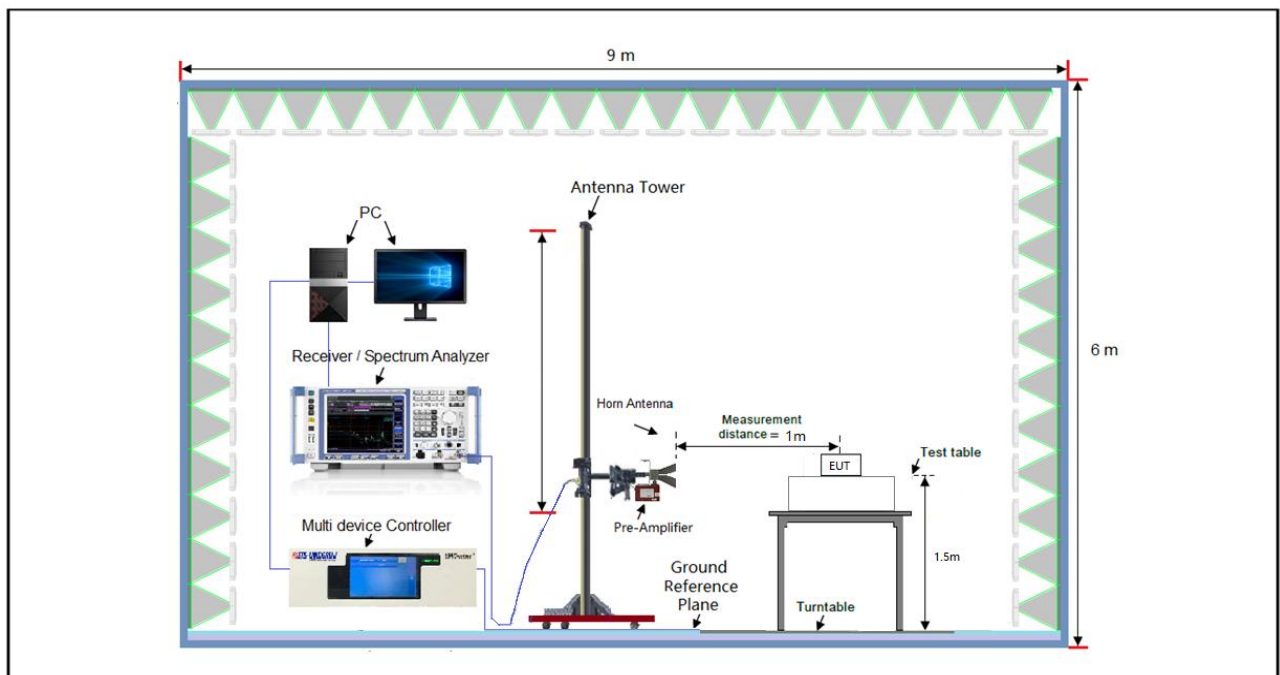
30MHz to 1GHz test setup:



Frequency Range above 1-18GHz:



Frequency Range above 18-40GHz:



Note: For the actual test configuration, please refer to the attached file (Test Setup Photo).

***EUT operating condition:**

Installed the EUT in the PC and set the EUT under transmission condition continuously at specific channel frequency.

3.1.7 Test results

Below 1GHz worst-case data

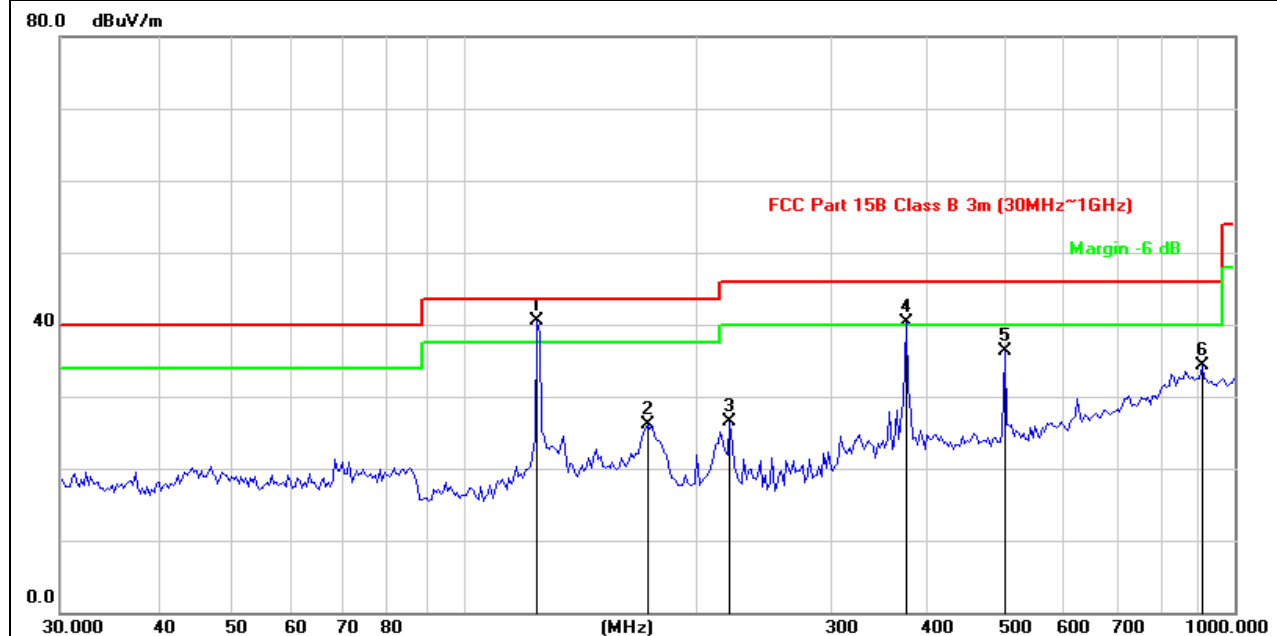
*9kHz ~ 30MHz Data:

The amplitude of spurious emissions attenuated more than 20dB below the permissible value is not required to be report.

*30MHz ~ 1GHz Worst-Case Data:

EUT Test Condition	802.11a TX		
Test Channel	Channel 100	Frequency Range	30MHz ~ 1GHz
Power supply	DC 19V from adapter	Detector Function	Peak (PK) Quasi-peak (QP)
Environmental Conditions	25deg. C, 65%RH	Tested By	Tank tan

Antennal Polarity & test distance: horizontal at 3 m



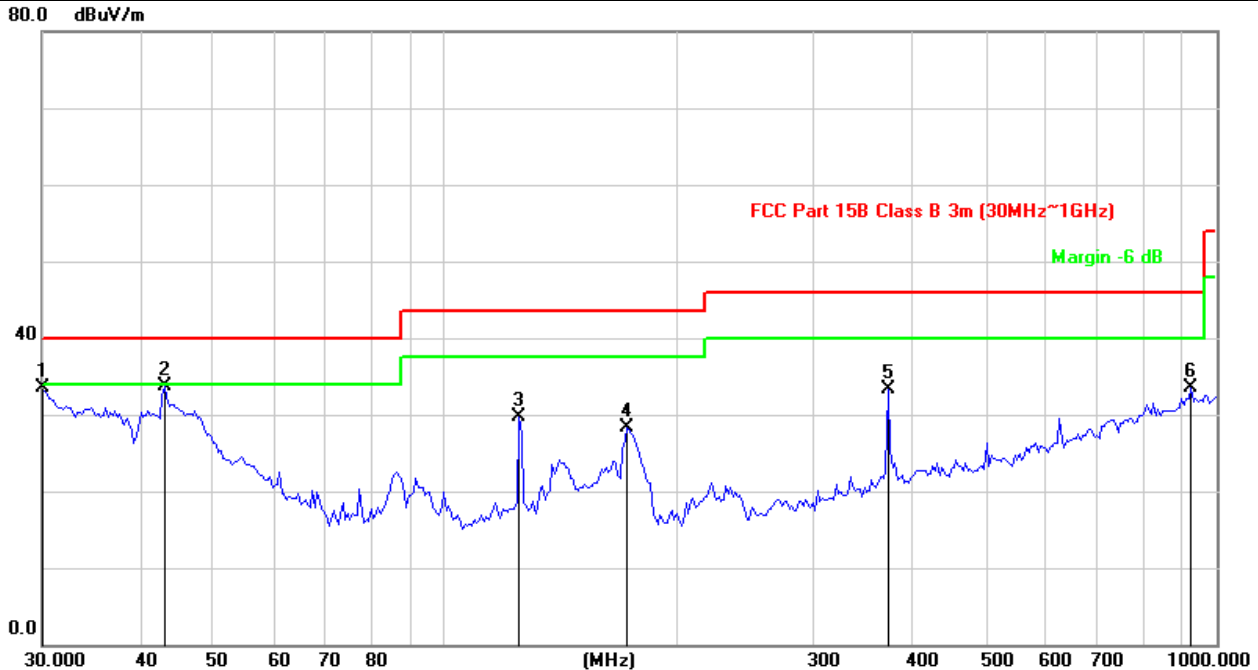
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	124.5690	55.11	-14.68	40.43	43.50	-3.07	QP	200	147
2	173.2050	39.33	-13.28	26.05	43.50	-17.45	QP	200	296
3	221.3920	42.29	-15.82	26.47	46.00	-19.53	QP	200	173
4	374.6225	50.27	-9.93	40.34	46.00	-5.66	QP	200	230
5	502.9395	43.90	-7.57	36.33	46.00	-9.67	QP	200	228
6	906.4823	32.72	1.51	34.23	46.00	-11.77	QP	100	125

Remarks:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

EUT Test Condition	802.11a TX		
Channel	Channel 100	Frequency Range	30MHz ~ 1GHz
Power supply	DC 19V from adapter	Detector Function	Peak (PK) Quasi-peak (QP)
Environmental Conditions	25deg. C, 65%RH	Tested By	Tank Tan

Antennal Polarity & test distance: vertical at 3 m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
	30.0000	50.55	-17.12	33.43	40.00	-6.57	QP	100	211
2	43.2017	48.37	-14.68	33.69	40.00	-6.31	QP	100	132
3	124.5690	44.43	-14.68	29.75	43.50	-13.75	QP	100	150
4	171.9946	41.60	-13.27	28.33	43.50	-15.17	QP	100	179
5	374.6225	43.29	-9.93	33.36	46.00	-12.64	QP	100	266
6	925.7563	31.73	1.87	33.60	46.00	-12.40	QP	100	231

Remarks:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

Above 1GHz data

802.11a

Test Channel	TX Channel 36	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	44.67	7.54	52.21	74.00	-21.79	peak	299	42
2	5150.000	31.84	7.54	39.38	54.00	-14.62	AVG	299	42
3 *	5180.000	102.95	8.49	111.44			peak	299	42
4 *	5180.000	85.79	8.49	94.28			AVG	299	42
5	10360.000	32.37	17.87	50.24	68.30	-18.06	peak	100	135
6	15540.000	35.28	22.25	57.53	74.00	-16.47	peak	100	276
7	15540.000	21.64	22.25	43.89	54.00	-10.11	AVG	100	276
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	44.07	7.54	51.61	74.00	-22.39	peak	290	83
2	5150.000	31.29	7.54	38.83	54.00	-15.17	AVG	290	83
3 *	5180.000	99.05	8.49	107.54			peak	290	83
4 *	5180.000	85.53	8.49	94.02			AVG	290	83
5	10360.000	32.58	17.87	50.45	68.30	-17.85	peak	100	172
6	15540.000	33.73	22.25	55.98	74.00	-18.02	peak	100	241
7	15540.000	21.57	22.25	43.82	54.00	-10.18	AVG	100	241

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 44	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal polarity & test distance: horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	41.94	7.54	49.48	74.00	-24.52	peak	315	46
2	5150.000	30.04	7.54	37.58	54.00	-16.42	AVG	315	46
3 *	5200.000	98.39	9.12	107.51			peak	315	46
4 *	5200.000	84.91	9.12	94.03			AVG	315	46
5	10400.000	32.73	18.00	50.73	68.30	-17.57	peak	100	152
6	15600.000	33.49	22.23	55.72	74.00	-18.28	peak	100	217
7	15600.000	21.30	22.23	43.53	54.00	-10.47	AVG	100	217
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	42.23	7.54	49.77	74.00	-24.23	peak	284	87
2	5150.000	30.15	7.54	37.69	54.00	-16.31	AVG	284	87
3 *	5200.000	98.64	9.12	107.76			peak	284	87
4 *	5200.000	84.73	9.12	93.85			AVG	284	87
5	10400.000	31.95	18.00	49.95	68.30	-18.35	peak	100	168
6	15600.000	33.63	22.23	55.86	74.00	-18.14	peak	100	221
7	15600.000	21.33	22.23	43.56	54.00	-10.44	AVG	100	221

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	41.51	7.54	49.05	74.00	-24.95	peak	309	44
2	5150.000	29.61	7.54	37.15	54.00	-16.85	AVG	309	44
3 *	5240.000	103.11	7.97	111.08			peak	309	44
4 *	5240.000	85.99	7.97	93.96			AVG	309	44
5	10480.000	29.07	18.26	47.33	68.30	-20.97	peak	100	192
6	15720.000	35.81	22.19	58.00	74.00	-16.00	peak	100	251
7	15720.000	22.17	22.19	44.36	54.00	-9.64	AVG	100	251
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	41.20	7.54	48.74	74.00	-25.26	peak	269	89
2	5150.000	28.72	7.54	36.26	54.00	-17.74	AVG	269	89
3 *	5240.000	98.61	7.97	106.58			peak	269	89
4 *	5240.000	85.30	7.97	93.27			AVG	269	89
5	10480.000	32.58	18.26	50.84	68.30	-17.46	peak	100	187
6	15720.000	34.84	22.19	57.03	74.00	-16.97	peak	100	128
7	15720.000	22.17	22.19	44.36	54.00	-9.64	AVG	100	128

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal polarity & test distance: horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5260.000	100.09	7.41	107.50			peak	297	42
2 *	5260.000	86.47	7.41	93.88			AVG	297	42
3	5350.000	38.65	6.34	44.99	74.00	-29.01	peak	297	42
4	5350.000	27.52	6.34	33.86	54.00	-20.14	AVG	297	42
5	10520.000	32.49	18.36	50.85	68.30	-17.45	peak	100	172
6	15780.000	34.79	22.17	56.96	74.00	-17.04	peak	100	235
7	15780.000	21.76	22.17	43.93	54.00	-10.07	AVG	100	235
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5260.000	96.93	7.41	104.34			peak	126	88
2 *	5260.000	83.78	7.41	91.19			AVG	126	88
3	5350.000	39.41	6.34	45.75	74.00	-28.25	peak	126	88
4	5350.000	26.63	6.34	32.97	54.00	-21.03	AVG	126	88
5	10520.000	33.53	18.36	51.89	68.30	-16.41	peak	100	156
6	15780.000	34.54	22.17	56.71	74.00	-17.29	peak	100	314
7	15780.000	21.73	22.17	43.90	54.00	-10.10	AVG	100	314

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 60	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5300.000	98.12	6.26	104.38			peak	309	56
2 *	5300.000	84.95	6.26	91.21			AVG	309	56
3	5350.000	40.36	6.34	46.70	74.00	-27.30	peak	309	56
4	5350.000	27.96	6.34	34.30	54.00	-19.70	AVG	309	56
5	10600.000	33.36	18.52	51.88	74.00	-22.12	peak	100	163
6	10600.000	20.32	18.52	38.84	54.00	-15.16	AVG	100	163
7	15900.000	34.06	22.13	56.19	74.00	-17.81	peak	100	202
8	15900.000	21.76	22.13	43.89	54.00	-10.11	AVG	100	202
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5300.000	96.54	6.26	102.80			peak	300	85
2 *	5300.000	83.76	6.26	90.02			AVG	300	85
3	5350.000	41.32	6.34	47.66	74.00	-26.34	peak	300	85
4	5350.000	26.91	6.34	33.25	54.00	-20.75	AVG	300	85
5	10600.000	32.10	18.52	50.62	74.00	-23.38	peak	100	225
6	10600.000	20.34	18.52	38.86	54.00	-15.14	AVG	100	225
7	15900.000	34.91	22.13	57.04	74.00	-16.96	peak	100	289
8	15900.000	21.78	22.13	43.91	54.00	-10.09	AVG	100	289

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5320.000	97.84	6.29	104.13			peak	319	57
2 *	5320.000	84.72	6.29	91.01			AVG	319	57
3	5350.000	42.58	6.34	48.92	74.00	-25.08	peak	319	57
4	5350.000	30.56	6.34	36.90	54.00	-17.10	AVG	319	57
5	10640.000	32.88	18.60	51.48	74.00	-22.52	peak	100	195
6	10640.000	20.22	18.60	38.82	54.00	-15.18	AVG	100	195
7	15960.000	33.51	22.11	55.62	74.00	-18.38	peak	100	246
8	15960.000	21.51	22.11	43.62	54.00	-10.38	AVG	100	246
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5320.000	97.13	6.29	103.42			peak	130	84
2 *	5320.000	84.20	6.29	90.49			AVG	130	84
3	5350.000	44.23	6.34	50.57	74.00	-23.43	peak	130	84
4	5350.000	29.82	6.34	36.16	54.00	-17.84	AVG	130	84
5	10640.000	33.84	18.60	52.44	74.00	-21.56	peak	100	130
6	10640.000	20.30	18.60	38.90	54.00	-15.10	AVG	100	130
7	15960.000	33.86	22.11	55.97	74.00	-18.03	peak	100	211
8	15960.000	21.44	22.11	43.55	54.00	-10.45	AVG	100	211

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 100	Detector Function	Peak (PK)
Frequency Range	1GHz ~ 40GHz		Average (AV)

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	46.76	6.50	53.26	68.30	-15.04	peak	387	353
2 *	5500.000	102.12	6.54	108.66			peak	387	353
3 *	5500.000	87.91	6.54	94.45			AVG	387	353
4	11000.000	33.16	19.32	52.48	74.00	-21.52	peak	100	276
5	11000.000	19.39	19.32	38.71	54.00	-15.29	AVG	100	276
6	16500.000	35.49	23.34	58.83	68.30	-9.47	peak	100	178
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	42.75	6.50	49.25	68.30	-19.05	peak	100	57
2 *	5500.000	95.14	6.54	101.68			peak	100	57
3 *	5500.000	82.14	6.54	88.68			AVG	100	57
4	11000.000	31.77	19.32	51.09	74.00	-22.91	peak	100	154
5	11000.000	17.75	19.32	37.07	54.00	-16.93	AVG	100	154
6	16500.000	34.39	23.34	57.73	68.30	-10.57	peak	100	63

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 120	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	44.30	6.50	50.80	68.30	-17.50	peak	380	357
2 *	5600.000	101.74	6.72	108.46			peak	380	357
3 *	5600.000	90.58	6.72	97.30			AVG	380	357
4	11200.000	35.54	19.51	55.05	74.00	-18.95	peak	100	106
5	11200.000	19.79	19.51	39.30	54.00	-14.70	AVG	100	106
6	16800.000	36.84	24.44	61.28	68.30	-7.02	peak	100	225
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	36.25	6.50	42.75	68.30	-25.55	peak	100	56
2 *	5600.000	95.31	6.72	102.03			peak	100	56
3 *	5600.000	83.60	6.72	90.32			peak	100	56
4	11200.000	35.17	19.51	54.68	74.00	-19.32	peak	100	254
5	11200.000	19.72	19.51	39.23	54.00	-14.77	AVG	100	254
6	16800.000	37.78	24.44	62.22	68.30	-6.08	peak	100	323

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5700.000	102.12	6.92	109.04			peak	360	356
2 *	5700.000	90.73	6.92	97.65			AVG	360	356
3	5725.000	48.66	6.96	55.62	68.30	-12.68	peak	360	356
4	11400.000	35.16	19.68	54.84	74.00	-19.16	peak	100	168
5	11400.000	22.54	19.68	42.22	54.00	-11.78	AVG	100	168
6	17100.000	33.95	25.59	59.54	68.30	-8.76	peak	100	293
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5700.000	98.62	6.92	105.54			peak	316	108
2 *	5700.000	86.62	6.92	93.54			AVG	316	108
3	5725.000	48.20	6.96	55.16	68.30	-13.14	peak	316	108
4	11400.000	35.52	19.68	55.20	74.00	-18.80	peak	100	81
5	11400.000	22.46	19.68	42.14	54.00	-11.86	AVG	100	81
6	17100.000	34.85	25.59	60.44	68.30	-7.86	peak	100	274

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5698.000	49.78	6.92	56.70	103.72	-47.02	peak	386	356
2	5724.500	50.08	6.96	57.04	121.06	-64.02	peak	386	356
3 *	5745.000	98.33	6.99	105.32			peak	386	356
4 *	5745.000	92.05	6.99	99.04			AVG	386	356
5	5890.500	47.78	7.28	55.06	97.55	-42.49	peak	386	356
6	11490.000	34.61	19.77	54.38	74.00	-19.62	peak	100	120
7	11490.000	19.57	19.77	39.34	54.00	-14.66	AVG	100	120
8	17235.000	35.86	26.17	62.03	68.30	-6.27	peak	100	318
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5696.000	50.10	6.92	57.02	102.24	-45.22	peak	295	65
2	5725.000	49.42	6.96	56.38	122.20	-65.82	peak	295	65
3 *	5745.000	93.80	6.99	100.79			peak	295	65
4 *	5745.000	84.00	6.99	90.99			AVG	295	65
5	5863.500	50.65	7.22	57.87	108.42	-50.55	peak	295	65
6	11490.000	34.44	19.77	54.21	74.00	-19.79	peak	100	154
7	11490.000	19.52	19.77	39.29	54.00	-14.71	AVG	100	154
8	17235.000	35.94	26.17	62.11	68.30	-6.19	peak	100	269

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5734.500	48.28	6.97	55.25	122.20	-66.95	peak	382	358
2 *	5785.000	101.34	7.08	108.42			peak	382	358
3	5785.000	90.40	7.08	97.48			AVG	382	358
4	5871.000	47.80	7.25	55.05	106.32	-51.27	peak	382	358
5	11570.000	32.92	19.75	52.67	74.00	-21.33	peak	100	146
6	11570.000	19.79	19.75	39.54	54.00	-14.46	AVG	100	146
7	17355.000	33.00	26.68	59.68	68.30	-8.62	peak	100	315
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5686.500	46.17	6.88	53.05	95.21	-42.16	peak	387	127
2	5785.000	92.58	7.08	99.66			peak	387	127
3 *	5785.000	81.97	7.08	89.05			AVG	387	127
4	5901.500	48.56	7.30	55.86	92.13	-36.27	peak	387	127
5	11570.000	33.75	19.75	53.50	74.00	-20.50	peak	100	82
6	11570.000	19.77	19.75	39.52	54.00	-14.48	AVG	100	82
7	17355.000	32.62	26.68	59.30	68.30	-9.00	peak	100	214

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5717.000	46.99	6.95	53.94	109.96	-56.02	peak	396	356
2*	5825.000	100.77	7.15	107.92			peak	396	356
3*	5825.000	90.17	7.15	97.32			AVG	396	356
4	5850.000	47.63	7.20	54.83	122.20	-67.37	peak	396	356
5	5854.000	48.63	7.20	55.83	113.08	-57.25	peak	396	356
6	11650.000	35.17	19.72	54.89	74.00	-19.11	peak	100	131
7	11650.000	19.85	19.72	39.57	54.00	-14.43	AVG	100	131
8	17475.000	35.93	27.19	63.12	68.30	-5.18	peak	100	245
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5719.500	46.43	6.95	53.38	110.66	-57.28	peak	400	129
2*	5825.000	94.45	7.15	101.60			peak	400	129
3*	5825.000	83.25	7.15	90.40			AVG	400	129
4	5850.000	46.22	7.20	53.42	122.20	-68.78	peak	400	129
5	5908.500	47.07	7.32	54.39	88.67	-34.28	peak	400	129
6	11650.000	34.87	19.72	54.59	74.00	-19.41	peak	100	103
7	11650.000	19.77	19.72	39.49	54.00	-14.51	AVG	100	103
8	17475.000	35.31	27.19	62.50	68.30	-5.80	peak	100	168

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

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Test Channel	TX Channel 36	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	45.59	7.54	53.13	74.00	-20.87	peak	286	48
2	5150.000	33.31	7.54	40.85	54.00	-13.15	AVG	286	48
3 *	5180.000	99.57	8.49	108.06			peak	286	48
4 *	5180.000	86.91	8.49	95.40			AVG	286	48
5	10360.000	32.10	17.87	49.97	68.30	-18.33	peak	100	67
6	15540.000	36.13	22.25	58.38	74.00	-15.62	peak	100	167
7	15540.000	21.90	22.25	44.15	54.00	-9.85	AVG	100	167
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	44.27	7.54	51.81	74.00	-22.19	peak	400	64
2	5150.000	31.90	7.54	39.44	54.00	-14.56	AVG	400	64
3 *	5180.000	98.34	8.49	106.83			peak	400	64
4 *	5180.000	86.86	8.49	95.35			AVG	400	64
5	10360.000	31.38	17.87	49.25	68.30	-19.05	peak	100	175
6	15540.000	36.99	22.25	59.24	74.00	-14.76	peak	100	261
7	15540.000	21.92	22.25	44.17	54.00	-9.83	AVG	100	261

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 44	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	52.36	7.54	59.90	74.00	-14.10	peak	234	269
2	5150.000	39.06	7.54	46.60	54.00	-7.40	AVG	234	269
3 *	5200.000	100.97	9.12	110.09			peak	234	269
4 *	5200.000	69.23	9.12	78.35			AVG	234	269
5	10400.000	41.04	18.00	59.04	74.00	-14.96	peak	100	267
6	10400.000	25.62	18.00	43.62	54.00	-10.38	AVG	100	267
	15600.000	36.69	22.23	58.92	74.00	-15.08	peak	100	0
7	15600.000	21.57	22.23	43.80	54.00	-10.20	AVG	100	0
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	48.93	7.54	56.47	74.00	-17.53	peak	100	253
2	5150.000	35.66	7.54	43.20	54.00	-10.80	AVG	100	253
3 *	5200.000	90.75	9.12	99.87			peak	100	253
4 *	5200.000	65.51	9.12	74.63			AVG	100	253
5	10400.000	39.46	18.00	57.46	74.00	-16.54	peak	100	142
6	10400.000	23.15	18.00	41.15	54.00	-12.85	AVG	100	142
	15600.000	36.91	22.23	59.14	74.00	-14.86	peak	100	360
7	15600.000	21.74	22.23	43.97	54.00	-10.03	AVG	100	360

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 48	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5240.000	101.71	7.97	109.68			peak	212	277
2 *	5240.000	70.82	7.97	78.79			AVG	212	277
3	10480.000	40.49	18.26	58.75	74.00	-15.25	peak	199	253
4	10480.000	24.85	18.26	43.11	54.00	-10.89	AVG	199	253
5	15720.000	35.94	22.19	58.13	74.00	-15.87	peak	100	360
6	15720.000	21.72	22.19	43.91	54.00	-10.09	AVG	100	360
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5240.000	92.33	7.97	100.30			peak	100	241
2 *	5240.000	66.24	7.97	74.21			AVG	100	241
3	10480.000	38.37	18.26	56.63	74.00	-17.37	peak	100	142
4	10480.000	22.56	18.26	40.82	54.00	-13.18	AVG	100	142
5	15720.000	36.01	22.19	58.20	74.00	-15.80	peak	100	0
6	15720.000	21.68	22.19	43.87	54.00	-10.13	AVG	100	0

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 52	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5260.000	97.89	7.41	105.30			peak	164	58
2 *	5260.000	86.23	7.41	93.64			AVG	164	58
3	5350.000	38.27	6.34	44.61	74.00	-29.39	peak	164	58
4	5350.000	25.86	6.34	32.20	54.00	-21.80	AVG	164	58
5	10520.000	33.27	18.36	51.63	68.30	-16.67	peak	100	314
6	15780.000	35.12	22.17	57.29	74.00	-16.71	peak	100	314
7	15780.000	21.80	22.17	43.97	54.00	-10.03	AVG	100	268
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5260.000	96.98	7.41	104.39			peak	400	122
2 *	5260.000	85.79	7.41	93.20			AVG	400	122
3	5350.000	39.57	6.34	45.91	74.00	-28.09	peak	400	122
4	5350.000	27.28	6.34	33.62	54.00	-20.38	AVG	400	122
5	10520.000	32.81	18.36	51.17	68.30	-17.13	peak	100	85
6	15780.000	34.92	22.17	57.09	74.00	-16.91	peak	100	174
7	15780.000	21.83	22.17	44.00	54.00	-10.00	AVG	100	174

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 60	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5300.000	100.09	6.26	106.35			peak	362	117
2 *	5300.000	85.36	6.26	91.62			AVG	362	117
3	5350.000	43.31	6.34	49.65	74.00	-24.35	peak	362	117
4	5350.000	29.13	6.34	35.47	54.00	-18.53	AVG	362	117
5	10600.000	33.64	18.52	52.16	74.00	-21.84	peak	100	186
6	10600.000	20.35	18.52	38.87	54.00	-15.13	AVG	100	186
7	15900.000	34.29	22.13	56.42	74.00	-17.58	peak	100	110
8	15900.000	21.80	22.13	43.93	54.00	-10.07	AVG	100	110
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5300.000	97.00	6.26	103.26			peak	400	61
2 *	5300.000	84.48	6.26	90.74			AVG	400	61
3	5350.000	41.98	6.34	48.32	74.00	-25.68	peak	400	61
4	5350.000	27.18	6.34	33.52	54.00	-20.48	AVG	400	61
5	10600.000	32.52	18.52	51.04	74.00	-22.96	peak	100	74
6	10600.000	20.37	18.52	38.89	54.00	-15.11	AVG	100	74
7	15900.000	34.50	22.13	56.63	74.00	-17.37	peak	100	232
8	15900.000	21.95	22.13	44.08	54.00	-9.92	AVG	100	232

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 64	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5320.000	97.37	6.29	103.66			peak	363	72
2 *	5320.000	84.38	6.29	90.67			AVG	363	72
3	5350.000	41.01	6.34	47.35	74.00	-26.65	peak	363	72
4	5350.000	28.97	6.34	35.31	54.00	-18.69	AVG	363	72
5	10640.000	35.15	18.60	53.75	74.00	-20.25	peak	100	144
6	10640.000	20.02	18.60	38.62	54.00	-15.38	AVG	100	144
7	15960.000	35.02	22.11	57.13	74.00	-16.87	peak	100	212
8	15960.000	21.35	22.11	43.46	54.00	-10.54	AVG	100	212
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5320.000	97.67	6.29	103.96			peak	400	52
2 *	5320.000	84.26	6.29	90.55			AVG	400	52
3	5350.000	45.01	6.34	51.35	74.00	-22.65	peak	400	52
4	5350.000	29.88	6.34	36.22	54.00	-17.78	AVG	400	52
5	10640.000	34.59	18.60	53.19	74.00	-20.81	peak	100	93
6	10640.000	20.36	18.60	38.96	54.00	-15.04	AVG	100	93
7	15960.000	34.40	22.11	56.51	74.00	-17.49	peak	100	296
	15960.000	21.47	22.11	43.58	54.00	-10.42	AVG	100	296

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 100	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	45.64	6.50	52.14	68.30	-16.16	peak	371	279
2 *	5500.000	99.78	6.54	106.32			peak	371	279
3 *	5500.000	85.93	6.54	92.47			AVG	371	279
4	11000.000	34.27	19.32	53.59	74.00	-20.41	peak	100	124
5	11000.000	20.15	19.32	39.47	54.00	-14.53	AVG	100	124
6	16500.000	35.78	23.34	59.12	68.30	-9.18	peak	100	71
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	43.71	6.50	50.21	68.30	-18.09	peak	130	46
2 *	5500.000	95.81	6.54	102.35			peak	130	46
3 *	5500.000	82.43	6.54	88.97			AVG	130	46
4	11000.000	33.33	19.32	52.65	74.00	-21.35	peak	100	274
5	11000.000	19.53	19.32	38.85	54.00	-15.15	AVG	100	274
6	16500.000	36.51	23.34	59.85	68.30	-8.45	peak	100	316

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 120	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	42.82	6.50	49.32	68.30	-18.98	peak	400	312
2 *	5600.000	100.44	6.72	107.16			peak	400	312
3 *	5600.000	88.49	6.72	95.21			peak	400	312
4	11200.000	31.47	19.51	50.98	74.00	-23.02	peak	100	162
5	11200.000	20.10	19.51	39.61	74.00	-34.39	peak	100	162
6	16800.000	34.76	24.44	59.20	68.30	-9.10	peak	100	174
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	35.89	6.50	42.39	68.30	-25.91	peak	100	348
2 *	5600.000	97.13	6.72	103.85			peak	100	348
3 *	5600.000	84.06	6.72	90.78			peak	100	348
4	11200.000	31.99	19.51	51.50	74.00	-22.50	peak	100	172
5	11200.000	19.96	19.51	39.47	54.00	-14.53	AVG	100	172
6	16800.000	35.75	24.44	60.19	68.30	-8.11	peak	100	210

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 140	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5700.000	99.80	6.92	106.72			peak	400	52
2 *	5700.000	87.34	6.92	94.26			AVG	400	52
3	5725.000	44.32	6.96	51.28	68.30	-17.02	peak	400	52
4	11400.000	33.29	19.68	52.97	74.00	-21.03	peak	100	120
5	11400.000	20.94	19.68	40.62	54.00	-13.38	AVG	100	120
6	17100.000	33.30	25.59	58.89	68.30	-9.41	peak	100	288
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5700.000	97.34	6.92	104.26			peak	372	63
2 *	5700.000	86.25	6.92	93.17			AVG	372	63
3	5725.000	46.66	6.96	53.62	68.30	-14.68	peak	372	63
4	11400.000	33.66	19.68	53.34	74.00	-20.66	peak	100	132
5	11400.000	20.47	19.68	40.15	54.00	-13.85	AVG	100	132
6	17100.000	33.77	25.59	59.36	68.30	-8.94	peak	100	264

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 149	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5714.000	50.31	6.94	57.25	109.12	-51.87	peak	386	295
2	5725.000	54.97	6.96	61.93	122.20	-60.27	peak	386	295
3 *	5745.000	103.07	6.99	110.06			peak	386	295
4 *	5745.000	91.51	6.99	98.50			AVG	386	295
5	5863.000	47.81	7.22	55.03	108.56	-53.53	peak	386	295
6	11490.000	34.42	19.77	54.19	74.00	-19.81	peak	100	176
7	11490.000	19.51	19.77	39.28	54.00	-14.72	AVG	100	176
8	17235.000	36.29	26.17	62.46	68.30	-5.84	peak	100	223
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5677.500	45.60	6.86	52.46	88.55	-36.09	peak	100	126
2	5725.000	46.52	6.96	53.48	122.20	-68.72	peak	100	126
3 *	5745.000	90.93	7.00	97.93			peak	100	126
4 *	5745.000	80.05	7.00	87.05			AVG	100	126
5	5910.500	48.05	7.32	55.37	87.69	-32.32	peak	100	126
6	11490.000	34.30	19.77	54.07	74.00	-19.93	peak	100	101
7	11490.000	19.51	19.77	39.28	54.00	-14.72	AVG	100	101
8	17235.000	35.99	26.17	62.16	68.30	-6.14	peak	100	287

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 157	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5670.500	43.49	6.85	50.34	83.37	-33.03	peak	383	351
2	5785.000	97.19	7.08	104.27	122.20	-17.93	peak	383	351
3 *	5785.000	86.51	7.08	93.59	122.20	-28.61	AVG	383	351
4 *	5874.000	43.42	7.25	50.67	105.48	-54.81	peak	383	351
5	11570.000	34.91	19.75	54.66	74.00	-19.34	peak	100	232
6	11570.000	19.70	19.75	39.45	54.00	-14.55	AVG	100	232
7	17355.000	32.78	26.68	59.46	68.30	-8.84	peak	100	141
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5699.000	42.09	6.92	49.01	104.46	-55.45	peak	400	61
2 *	5785.000	95.18	7.08	102.26	122.20	-19.94	peak	400	61
3 *	5785.000	83.90	7.08	90.98	122.20	-31.22	AVG	400	61
4	5871.500	41.56	7.25	48.81	106.18	-57.37	peak	400	61
6	11570.000	35.37	19.75	55.12	74.00	-18.88	peak	100	33
7	11570.000	19.73	19.75	39.48	54.00	-14.52	AVG	100	33
8	17355.000	32.23	26.68	58.91	68.30	-9.39	peak	100	176

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 165	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5722.500	44.28	6.96	51.24	116.50	-65.26	peak	373	360
2 *	5825.000	101.94	7.15	109.09			peak	373	360
3 *	5825.000	90.97	7.15	98.12			AVG	373	360
4	5850.000	49.35	7.20	56.55	122.20	-65.65	peak	373	360
5	5854.000	51.34	7.20	58.54	113.08	-54.54	peak	373	360
6	11650.000	33.49	19.72	53.21	74.00	-20.79	peak	100	64
7	11650.000	19.83	19.72	39.55	54.00	-14.45	AVG	100	64
8	17475.000	36.02	27.19	63.21	68.30	-5.09	peak	100	278
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5705.500	41.14	6.93	48.07	106.74	-58.67	peak	400	127
2*	5825.000	91.66	7.15	98.81			peak	400	127
3 *	5825.000	80.35	7.15	87.50			AVG	400	127
4	5854.500	42.28	7.20	49.48	111.94	-62.46	peak	400	127
5	5881.000	42.66	7.26	49.92	102.24	-52.32	peak	350	243
6	11650.000	34.47	19.72	54.19	74.00	-19.81	peak	100	136
7	11650.000	19.88	19.72	39.60	54.00	-14.40	AVG	100	136
8	17475.000	35.47	27.19	62.66	68.30	-5.64	peak	100	321

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

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Test Channel	TX Channel 38	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity &Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	49.48	7.54	57.02	74.00	-16.98	peak	259	44
2	5150.000	35.17	7.54	42.71	54.00	-11.29	AVG	259	44
3 *	5190.000	93.97	8.80	102.77			peak	259	44
4 *	5190.000	81.96	8.80	90.76			AVG	259	44
5	10380.000	33.74	17.93	51.67	68.30	-16.63	peak	100	147
6	15570.000	34.03	22.24	56.27	74.00	-17.73	peak	100	253
7	15570.000	21.65	22.24	43.89	54.00	-10.11	AVG	100	253
Antennal Polarity &Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	48.72	7.54	56.26	74.00	-17.74	peak	392	64
2	5150.000	36.05	7.54	43.59	54.00	-10.41	AVG	392	64
3 *	5190.000	95.41	8.80	104.21			peak	392	64
4 *	5190.000	82.98	8.80	91.78			AVG	392	64
5	10380.000	31.71	17.93	49.64	68.30	-18.66	peak	100	93
6	15570.000	33.84	22.24	56.08	74.00	-17.92	peak	100	183
7	15570.000	21.68	22.24	43.92	54.00	-10.08	AVG	100	183

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 46	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	41.88	7.54	49.42	74.00	-24.58	peak	295	42
2	5150.000	29.56	7.54	37.10	54.00	-16.90	AVG	295	42
3 *	5230.000	94.74	8.26	103.00			peak	295	42
4 *	5230.000	81.87	8.26	90.13			AVG	295	42
5	10460.000	34.13	18.19	52.32	68.30	-15.98	peak	100	140
6	15690.000	33.77	22.20	55.97	74.00	-18.03	peak	100	233
7	15690.000	20.78	22.20	42.98	54.00	-11.02	AVG	100	233
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5150.000	36.44	7.54	43.98	74.00	-30.02	peak	395	123
2	5150.000	26.93	7.54	34.47	54.00	-19.53	AVG	395	123
3 *	5230.000	93.98	8.26	102.24			peak	395	123
4 *	5230.000	81.17	8.26	89.43			AVG	395	123
5	10460.000	32.46	18.19	50.65	68.30	-17.65	peak	100	60
6	15690.000	34.09	22.20	56.29	74.00	-17.71	peak	100	214
7	15690.000	20.83	22.20	43.03	54.00	-10.97	AVG	100	214

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 54	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5270.000	96.53	7.12	103.65			peak	336	53
2 *	5270.000	83.24	7.12	90.36			AVG	336	53
3	5350.000	40.92	6.34	47.26	74.00	-26.74	peak	336	53
4	5350.000	30.11	6.34	36.45	54.00	-17.55	AVG	336	53
5	10540.000	35.14	18.40	53.54	68.30	-14.76	peak	100	127
6	15810.000	38.56	22.16	60.72	74.00	-13.28	peak	100	229
7	15810.000	22.00	22.16	44.16	54.00	-9.84	AVG	100	229
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5270.000	94.73	7.12	101.85			peak	400	58
2 *	5270.000	82.10	7.12	89.22			AVG	400	58
3	5350.000	36.78	6.34	43.12	74.00	-30.88	peak	400	58
4	5350.000	26.94	6.34	33.28	54.00	-20.72	AVG	400	58
5	10540.000	35.00	18.40	53.40	68.30	-14.90	peak	100	60
6	15810.000	36.93	22.16	59.09	74.00	-14.91	peak	100	296
7	15810.000	22.03	22.16	44.19	54.00	-9.81	AVG	100	296
8	15810.000	22.04	22.16	44.20	54.00	-9.80	AVG	100	0

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 62	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5310.000	95.45	6.28	101.73			peak	377	44
2 *	5310.000	83.90	6.28	90.18			AVG	377	44
3	5350.000	50.17	6.34	56.51	74.00	-17.49	peak	377	44
4	5350.000	37.81	6.34	44.15	54.00	-9.85	AVG	377	44
5	10620.000	36.91	18.56	55.47	74.00	-18.53	peak	100	143
6	10620.000	20.52	18.56	39.08	54.00	-14.92	AVG	100	143
7	15930.000	37.30	22.12	59.42	74.00	-14.58	peak	100	287
8	15930.000	22.03	22.12	44.15	54.00	-9.85	AVG	100	287
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5310.000	94.62	6.28	100.90			peak	100	82
2 *	5310.000	81.71	6.28	87.99			AVG	100	82
3	5350.000	47.61	6.34	53.95	74.00	-20.05	peak	100	82
4	5350.000	34.61	6.34	40.95	54.00	-13.05	AVG	100	82
5	10620.000	34.94	18.56	53.50	74.00	-20.50	peak	100	187
6	10620.000	20.46	18.56	39.02	54.00	-14.98	AVG	100	187
7	15930.000	37.05	22.12	59.17	74.00	-14.83	peak	100	273
8	15930.000	21.98	22.12	44.10	54.00	-9.90	AVG	100	273

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 102	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	52.10	6.50	58.60	68.30	-9.70	peak	382	351
2 *	5510.000	98.59	6.56	105.15			peak	382	351
3 *	5510.000	85.61	6.56	92.17			AVG	382	351
4	11020.000	34.40	19.34	53.74	74.00	-20.26	peak	100	72
5	11020.000	21.19	19.34	40.53	54.00	-13.47	AVG	100	72
6	16530.000	36.21	23.45	59.66	68.30	-8.64	peak	100	189
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	46.62	6.50	53.12	68.30	-15.18	peak	100	29
2 *	5510.000	93.69	6.56	100.25			peak	100	29
3 *	5510.000	79.98	6.56	86.54			AVG	100	29
4	11020.000	33.42	19.34	52.76	74.00	-21.24	peak	100	164
5	11020.000	21.17	19.34	40.51	54.00	-13.49	AVG	100	164
6	16530.000	35.95	23.45	59.40	68.30	-8.90	peak	100	237

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 118	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	39.24	6.50	45.74	68.30	-22.56	peak	397	329
2 *	5590.000	97.58	6.70	104.28			peak	397	329
3 *	5590.000	85.33	6.70	92.03			AVG	397	329
4	11180.000	34.17	19.48	53.65	74.00	-20.35	peak	100	114
5	11180.000	21.86	19.48	41.34	54.00	-12.66	AVG	100	114
6	16770.000	37.14	24.33	61.47	68.30	-6.83	peak	100	216
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5470.000	38.75	6.50	45.25	68.30	-23.05	peak	132	129
2 *	5590.000	94.54	6.70	101.24			peak	132	129
3 *	5590.000	80.49	6.70	87.19			AVG	132	129
4	11180.000	36.93	19.48	56.41	74.00	-17.59	peak	100	63
5	11180.000	21.83	19.48	41.31	54.00	-12.69	AVG	100	63
6	16770.000	35.79	24.33	60.12	68.30	-8.18	peak	100	221

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 134	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5670.000	101.18	6.85	108.03			peak	400	360
2 *	5670.000	87.38	6.85	94.23			AVG	400	360
3	5725.000	44.54	6.96	51.50	68.30	-16.80	peak	400	360
4	11340.000	33.11	19.63	52.74	74.00	-21.26	peak	100	92
5	11340.000	20.72	19.63	40.35	54.00	-13.65	AVG	100	92
6	17010.000	32.91	25.21	58.12	68.30	-10.18	peak	100	261
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1 *	5670.000	92.44	6.85	99.29			peak	169	106
2 *	5670.000	78.56	6.85	85.41			AVG	169	106
3	5725.000	39.50	6.96	46.46	68.30	-21.84	peak	169	106
4	11340.000	34.15	19.63	53.78	74.00	-20.22	peak	100	139
5	11340.000	20.75	19.63	40.38	54.00	-13.62	AVG	100	139
6	17010.000	33.05	25.21	58.26	68.30	-10.04	peak	100	252

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 151	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5722.500	52.70	6.96	59.66	116.50	-56.84	peak	382	257
2 *	5755.000	99.10	7.04	106.14			peak	382	257
3 *	5755.000	86.97	7.04	94.01			AVG	382	235
4	5857.000	43.25	7.22	50.47	110.24	-59.77	peak	382	235
6	11510.000	35.05	19.78	54.83	74.00	-19.17	peak	100	182
7	11510.000	19.65	19.78	39.43	54.00	-14.57	AVG	100	182
8	17265.000	35.48	26.30	61.78	68.30	-6.52	peak	100	315
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5722.000	44.43	6.96	51.39	115.36	-63.97	peak	100	126
2 *	5755.500	88.67	6.99	95.66			peak	100	126
3 *	5755.000	76.01	6.99	83.00			AVG	100	126
4	5884.000	41.81	7.27	49.08	100.76	-51.68	peak	100	126
6	11510.000	32.12	19.78	51.90	74.00	-22.10	peak	100	144
7	11510.000	19.60	19.78	39.38	54.00	-14.62	AVG	100	144
8	17265.000	35.57	26.30	61.87	68.30	-6.43	peak	100	236

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.

Test Channel	TX Channel 159	Detector Function	Peak (PK) Average (AV)
Frequency Range	1GHz ~ 40GHz		

Antennal Polarity & Test Distance: Horizontal at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5700.000	45.43	6.92	52.35	105.20	-52.85	peak	400	155
2 *	5795.000	98.27	7.08	105.35			peak	400	195
3 *	5795.000	85.97	7.08	93.05			AVG	400	210
4	5911.000	43.68	7.32	51.00	87.44	-36.44	peak	400	334
6	11590.000	33.52	19.74	53.26	74.00	-20.74	peak	100	112
7	11590.000	20.07	19.74	39.81	54.00	-14.19	AVG	100	112
8	17385.000	29.87	26.82	56.69	68.30	-11.61	peak	100	233
Antennal Polarity & Test Distance: Vertical at 3 m									
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Antenna Height (cm)	Table Angle (Degree)
1	5685.500	41.14	6.88	48.02	94.47	-46.45	peak	103	124
2 *	5795.000	87.97	7.08	95.05			peak	103	124
3 *	5795.000	75.95	7.08	83.03			AVG	103	124
4	5923.000	41.72	7.34	49.06	81.52	-32.46	peak	103	124
6	11590.000	32.82	19.74	52.56	74.00	-21.44	peak	100	74
7	11590.000	20.01	19.74	39.75	54.00	-14.25	AVG	100	74
8	17385.000	32.18	26.82	59.00	68.30	-9.30	peak	100	183

1-Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2-Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3-The other emission levels were very low against the limit.

4-Margin value = Emission level – Limit value.

5- " * ": Fundamental frequency.