FCC Test Report

Report No.:	RF150203E03F
FCC ID:	MAD-RU00-M03
Test Model:	RU00-M03
Serial Model:	RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z , Configuration Code)
Received Date:	July 13, 2018
Test Date:	Aug. 03 to 06, 2018
Issued Date:	Sep. 26, 2018
Applicant:	Microelectronics Technology Inc.
Address:	1, Innovation Road II,Hsinchu Science-based Industrial Park, Hsinchu, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
FCC Registration / Designation Number:	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RF150203E03F	Original release.	Sep. 26, 2018

1 Certificate of Conformity

Product:	RFID HP-SIP Module
Brand:	MTI
Test Model:	RU00-M03
Serial Model:	RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z , Configuration Code)
Sample Status:	ENGINEERING SAMPLE
Applicant:	Microelectronics Technology Inc.
Test Date:	Aug. 03 to 06, 2018
Standards:	47 CFR FCC Part 15, Subpart C (Section 15.247) ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, 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.

Prepared by : Mary Ko , **Date:** Sep. 26, 2018

Mary Ko / Specialist

Approved by : , **Date:** Sep. 26, 2018

May Chen / Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (SECTION 15.247)			
FCC Clause	Test Item	Result	Remarks
15.247(b)	Maximum Peak Output Power	PASS	Meet the requirement of limit.
15.205 & 209 & 15.247(d)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -3.4dB at 250.02MHz.
15.203	Antenna Requirement	PASS	**Ant. No. 2:** Antenna connector is SMA. (The device is professionally installed) **Ant. No. 3:** Antenna connector is N-Type.

NOTE: If The Frequency Hopping System operating in 2400-2483.5MHz band and the output power less than 125mW. The hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of hopping channel whichever is greater.

2.1 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	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.53 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.08 dB
	6GHz ~ 18GHz	4.98 dB
	18GHz ~ 40GHz	5.19 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	RFID HP-SIP Module
Brand	MTI
Test Model	RU00-M03
Serial Model	RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z , Configuration Code)
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	DC 5V from host equipment
Modulation Type	ASK
Modulation Technology	FHSS
Operating Frequency	902.75MHz ~ 927.25MHz
Number of Channel	50
Output Power	931.108mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. This report is prepared for FCC Class II change. The difference compared with the Report No.: RF150203E03E design changed is as the following:
   - ◆ Added two antennas.

Original

Ant. No.	Antenna Type	Gain(dBi) (Include cable loss)	Antenna Connector	Cable Loss(dB)	Frequency range (MHz to MHz)
1	Patch	5.25	SMA Female	0.75	902~928

Newly

Ant. No.	Brand	Model	Antenna Type	Gain(dBi) (Include cable loss)	Antenna Connector	Cable Loss(dB)	Frequency range (MHz to MHz)
2	Broadradio	BRA-07	Circular Polarization	0	SMA	0	860~960
3	AMERICAN RFID SOLUTIONS	HD 500	Circular	5.25	N type female	0.75	902~928

Note:
1. The EUT has four chain ports (chain 0 / chain 1 / chain 2 / chain 3 / chain 4) and can connect any one to function. When one chain port functions, another don't any function.
2. From the above conditions, the worst cases were found in **Chain 3**. Therefore only the test data of the mode was recorded in this report.
3. Antenna No. 1 & 3 only for test not for sale.

   - ◆ Added one antenna port.
   - ◆ Added one antenna trace layout design on host part.
   - ◆ Added model name: RU00-M03, RU00-M03-XXXX (X= 0~9, A~Z, Configuration Code).

Brand	Product Name	Model Name	Difference
MTI	RFID HP-SIP Module	RU00-M03	X= 0~9 , A~Z , Configuration Code for marketing propose
		RU00-M03-XXXX	

2. According to above conditions, only Output Power and Radiated emissions test items need to be performed. And all data was verified to meet the requirements.

3. The EUT has below model names, which are identical to each other in all aspects except for the following:

Brand	Product name	Model Name	Different
MTI	RFID HP-SIP Module	RU00-M04	1. X= 0~9 , A~Z , Configuration Code 2. For marketing propose
		RU00-M04-XXXX	
		RU00-M03	
		RU00-M03-XXXX	

From the above models, model: **RU00-M03** was selected as representative model for the test and its data was recorded in this report.

4. The EUT has three different Link Profile designs as following table:

Type No	Link Profile
1	PR_ASK/M4/250KHz
2	DSB_ASK/FM0/40KHz
3	DSB_ASK/FM0/400KHz

5. The EUT incorporates a SISO function.

MODULATION MODE	**TX & RX CONFIGURATION**	
Mode A	1TX	1RX

6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

50 channels are provided to this EUT.

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	902.75	21	913.25	42	923.75
1	903.25	22	913.75	43	924.25
2	903.75	23	914.25	44	924.75
3	904.25	24	914.75	45	925.25
4	904.75	25	915.25	46	925.75
5	905.25	26	915.75	47	926.25
6	905.75	27	916.25	48	926.75
7	906.25	28	916.75	49	927.25
8	906.75	29	917.25		
9	907.25	30	917.75		
10	907.75	31	918.25		
11	908.25	32	918.75		
12	908.75	33	919.25		
13	909.25	34	919.75		
14	909.75	35	920.25		
15	910.25	36	920.75		
16	910.75	37	921.25		
17	911.25	38	921.75		
18	911.75	39	922.25		
19	912.25	40	922.75		
20	912.75	41	923.25		

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO			DESCRIPTION
	RE≥1G	RE<1G	APCM	
1	√	√	√	Antenna No. 3 with Link Profile design: Type 1
2	√	√	√	Antenna No. 3 with Link Profile design: Type 2
3	√	√	√	Antenna No. 3 with Link Profile design: Type 3
4	√	√	-	Antenna No. 2 with Link Profile design: Type 1
5	√	√	-	Antenna No. 2 with Link Profile design: Type 2
6	√	√	-	Antenna No. 2 with Link Profile design: Type 3

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
APCM: Antenna Port Conducted Measurement

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.

Available Channel	Tested Channel	Modulation Technology	Modulation Technology
0 to 49	0, 24, 49	FHSS	ASK

Radiated Emission Test (Below 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.

Available Channel	Tested Channel	Modulation Technology	Modulation Technology
0 to 49	0, 24, 49	FHSS	ASK

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.

Available Channel	Tested Channel	Modulation Technology	Modulation Technology
0 to 49	0, 24, 49	FHSS	ASK

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (System)	TESTED BY
RE≥1G	22deg. C, 69%RH	120Vac, 60Hz	Frank Chuang
RE<1G	23deg. C, 66%RH 22deg. C, 65%RH	120Vac, 60 Hz	Frank Chuang
APCM	25deg. C, 60%RH	120Vac, 60 Hz	Anderson Chen

3.3 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.

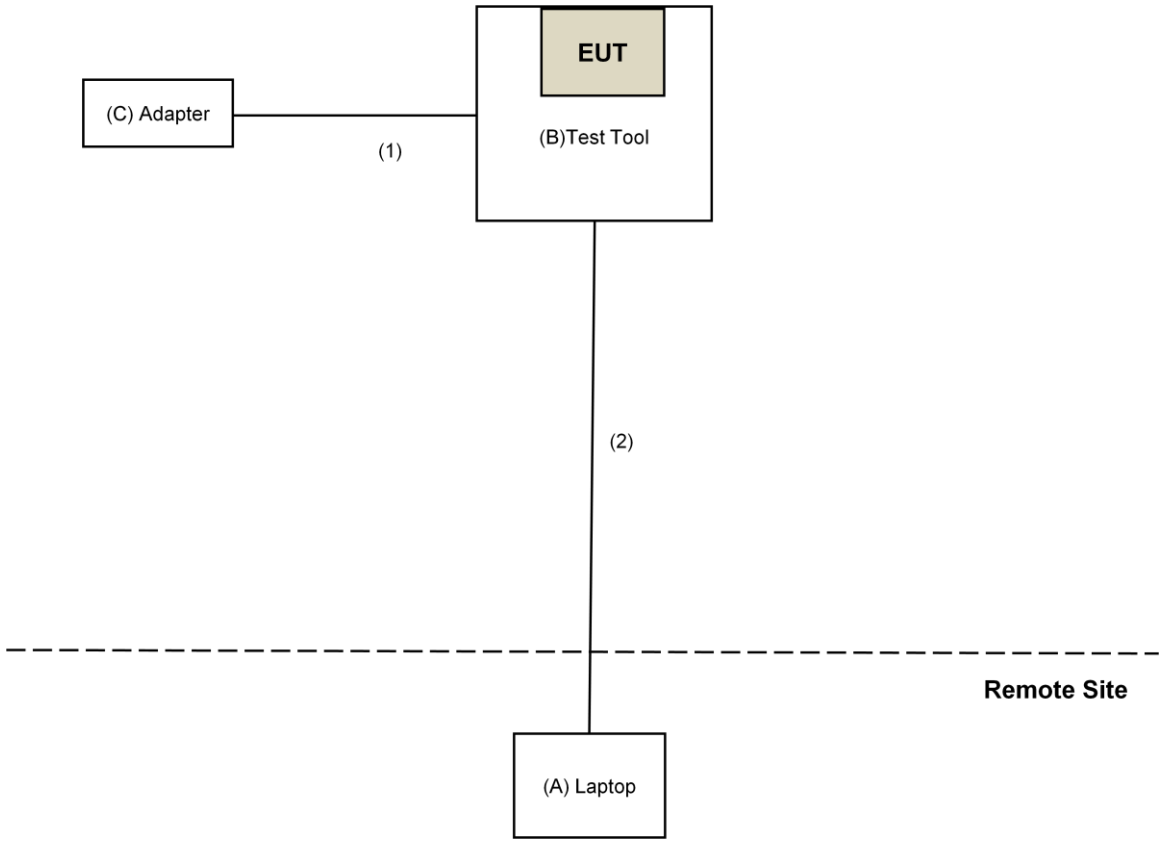
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E6420	B92T3R1	FCC DoC	Provided by Lab
B.	Test Tool	NA	NA	NA	NA	Supplied by client
C.	Adapter	NA	NA	NA	NA	Supplied by client

Note:

1. All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.6	No	0	Supplied by client
2.	RJ-45 Cable	1	10	No	0	Provided by Lab

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards

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

FCC Part 15, Subpart C (15.247)
ANSI C63.10-2013

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/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 20dB under any condition of modulation.

4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2018	July 11, 2019
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001	Jan. 15, 2018	Jan. 14, 2019
RF Cable	NA	LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 05, 2018	May 04, 2019
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 29, 2017	Nov. 28, 2018
RF Cable	8D	966-3-1	Mar. 20, 2018	Mar. 19, 2019
RF Cable	8D	966-3-2	Mar. 20, 2018	Mar. 19, 2019
RF Cable	8D	966-3-3	Mar. 20, 2018	Mar. 19, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-1200	160922	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-2000	150317	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-5000	150322	Jan. 29, 2018	Jan. 28, 2019
Spectrum Analyzer Keysight	N9030A	MY54490679	July 23, 2018	July 22, 2019
Pre-Amplifier EMCI	EMC184045SE	980386	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160924	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Spectrum Analyzer R&S	FSV40	100964	June 20, 2018	June 19, 2019
Power meter Anritsu	ML2495A	1014008	May 09, 2018	May 08, 2019
Power sensor Anritsu	MA2411B	0917122	May 09, 2018	May 08, 2019

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5. Loop antenna was used for all emissions below 30 MHz.
6. Tested Date: Aug. 03 to 06, 2018

4.1.3 Test Procedures

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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, which was mounted on the top of a variable-height antenna tower.

c. Both Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case 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 Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. 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, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna 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 quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

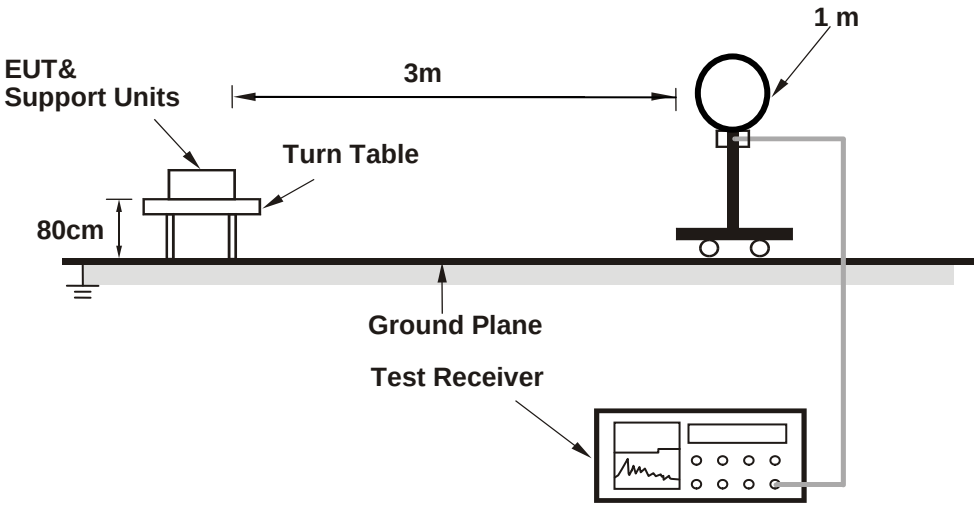
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

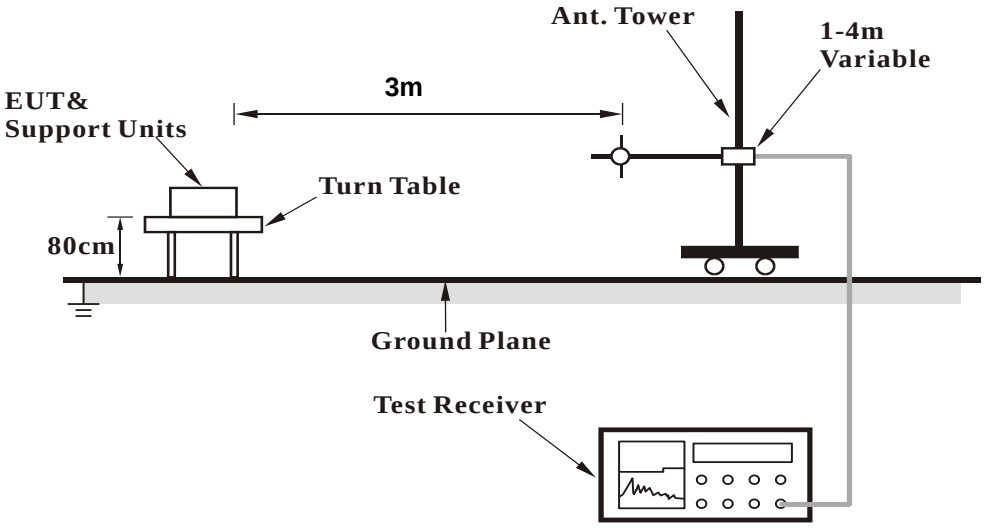
No deviation.

4.1.5 Test Setup

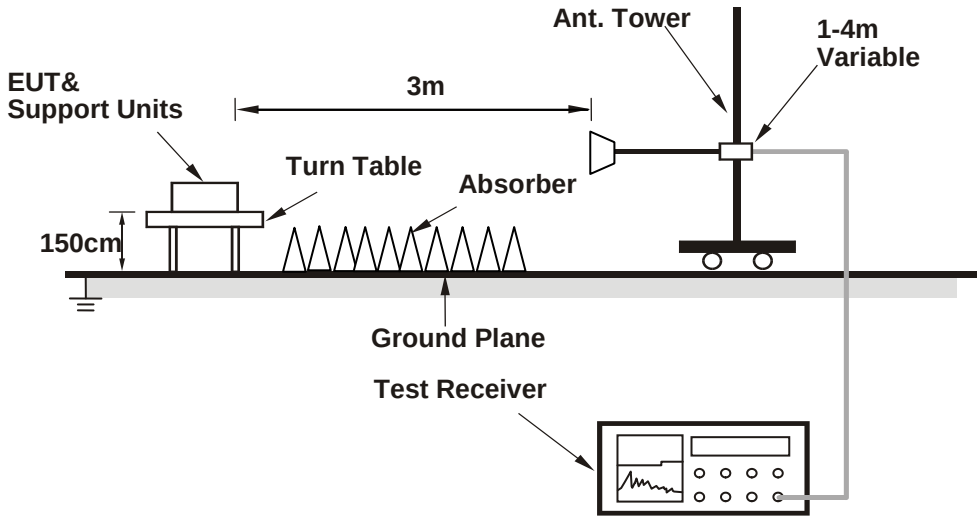
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

a. Placed the EUT on the testing table.
b. Contorlling software (RUN PUTTY.EXE paste tx command) has been activated to set the EUT on specific status.

4.1.7 Test Results (Mode 1)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	131.4 QP			1.38 H	351	126.3	5.1
2	101.90	36.0 QP	43.5	-7.5	1.50 H	92	47.9	-11.9
3	202.98	29.5 QP	43.5	-14.0	1.50 H	121	40.4	-10.9
4	250.02	42.5 QP	46.0	-3.5	1.50 H	31	51.4	-8.9
5	500.21	36.4 QP	46.0	-9.6	2.00 H	360	38.4	-2.0
6	625.02	34.1 QP	46.0	-11.9	1.50 H	2	33.2	0.9
7	750.01	38.0 QP	46.0	-8.0	1.50 H	0	34.7	3.3
8	902.00	62.3 QP	111.4	-49.1	1.38 H	351	57.2	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	128.8 QP			1.09 V	353	123.7	5.1
2	108.52	37.6 QP	43.5	-5.9	2.00 V	0	48.4	-10.8
3	146.66	30.9 QP	43.5	-12.6	1.50 V	229	38.6	-7.7
4	202.74	30.7 QP	43.5	-12.8	1.50 V	112	41.6	-10.9
5	249.65	36.5 QP	46.0	-9.5	1.50 V	50	45.4	-8.9
6	374.86	33.8 QP	46.0	-12.2	1.50 V	340	38.8	-5.0
7	500.09	38.5 QP	46.0	-7.5	1.50 V	46	40.5	-2.0
8	902.00	62.0 QP	108.8	-46.8	1.09 V	353	56.9	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	131.6 QP			1.36 H	351	126.4	5.2
2	101.90	36.0 QP	43.5	-7.5	2.00 H	76	47.9	-11.9
3	250.02	42.3 QP	46.0	-3.7	1.50 H	35	51.2	-8.9
4	375.15	32.7 QP	46.0	-13.3	1.00 H	360	37.7	-5.0
5	500.21	35.9 QP	46.0	-10.1	2.00 H	12	37.9	-2.0
6	625.02	35.1 QP	46.0	-10.9	1.00 H	0	34.2	0.9
7	749.98	35.8 QP	46.0	-10.2	1.00 H	343	32.5	3.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	128.3 QP			1.06 V	352	123.1	5.2
2	108.32	37.9 QP	43.5	-5.6	1.00 V	50	48.7	-10.8
3	146.68	31.0 QP	43.5	-12.5	1.50 V	199	38.7	-7.7
4	202.64	30.6 QP	43.5	-12.9	1.00 V	142	41.5	-10.9
5	249.45	36.2 QP	46.0	-9.8	1.50 V	190	45.1	-8.9
6	375.07	33.7 QP	46.0	-12.3	1.00 V	290	38.7	-5.0
7	500.17	38.1 QP	46.0	-7.9	2.00 V	16	40.1	-2.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	131.6 QP			1.38 H	353	126.3	5.3
2	101.88	35.6 QP	43.5	-7.9	2.00 H	91	47.5	-11.9
3	202.93	29.5 QP	43.5	-14.0	1.50 H	113	40.4	-10.9
4	250.02	42.3 QP	46.0	-3.7	1.50 H	49	51.2	-8.9
5	318.33	34.0 QP	46.0	-12.0	1.00 H	275	40.2	-6.2
6	500.21	37.1 QP	46.0	-8.9	2.00 H	360	39.1	-2.0
7	625.02	34.3 QP	46.0	-11.7	1.50 H	16	33.4	0.9
8	928.00	62.8 QP	111.6	-48.8	1.38 H	353	57.5	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	128.0 QP			1.08 V	353	122.7	5.3
2	101.79	36.2 QP	43.5	-7.3	1.00 V	192	48.1	-11.9
3	203.00	30.2 QP	43.5	-13.3	1.50 V	151	41.1	-10.9
4	249.93	42.4 QP	46.0	-3.6	1.00 V	101	51.3	-8.9
5	500.13	36.5 QP	46.0	-9.5	1.50 V	60	38.5	-2.0
6	624.93	34.0 QP	46.0	-12.0	1.50 V	5	33.1	0.9
7	750.10	37.7 QP	46.0	-8.3	1.50 V	7	34.4	3.3
8	928.00	61.8 QP	108.0	-46.2	1.08 V	353	56.5	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	42.1 PK	74.0	-31.9	1.61 H	98	44.1	-2.0
2	2708.25	37.6 AV	54.0	-16.4	1.61 H	98	39.6	-2.0
3	3611.00	45.0 PK	74.0	-29.0	1.74 H	136	45.7	-0.7
4	3611.00	38.8 AV	54.0	-15.2	1.74 H	136	39.5	-0.7
5	4513.75	48.2 PK	74.0	-25.8	2.06 H	156	47.4	0.8
6	4513.75	44.6 AV	54.0	-9.4	2.06 H	156	43.8	0.8
7	5416.50	45.2 PK	74.0	-28.8	1.84 H	307	42.7	2.5
8	5416.50	34.2 AV	54.0	-19.8	1.84 H	307	31.7	2.5
9	#7222.00	45.6 PK	74.0	-28.4	1.50 H	230	37.7	7.9
10	#7222.00	35.6 AV	54.0	-18.4	1.50 H	230	27.7	7.9
11	8124.75	44.7 PK	74.0	-29.3	2.22 H	90	36.0	8.7
12	8124.75	34.7 AV	54.0	-19.3	2.22 H	90	26.0	8.7
13	9027.50	42.7 PK	74.0	-31.3	1.76 H	20	33.4	9.3
14	9027.50	33.2 AV	54.0	-20.8	1.76 H	20	23.9	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	41.7 PK	74.0	-32.3	1.65 V	340	43.7	-2.0
2	2708.25	37.4 AV	54.0	-16.6	1.65 V	340	39.4	-2.0
3	3611.00	42.2 PK	74.0	-31.8	1.39 V	270	42.9	-0.7
4	3611.00	33.3 AV	54.0	-20.7	1.39 V	270	34.0	-0.7
5	4513.75	52.4 PK	74.0	-21.6	1.52 V	16	51.6	0.8
6	4513.75	43.7 AV	54.0	-10.3	1.52 V	16	42.9	0.8
7	5416.50	41.4 PK	74.0	-32.6	1.50 V	319	38.9	2.5
8	5416.50	30.3 AV	54.0	-23.7	1.50 V	319	27.8	2.5
9	#7222.00	48.5 PK	74.0	-25.5	1.39 V	137	40.6	7.9
10	#7222.00	36.2 AV	54.0	-17.8	1.39 V	137	28.3	7.9
11	8124.75	44.0 PK	74.0	-30.0	1.99 V	281	35.3	8.7
12	8124.75	32.9 AV	54.0	-21.1	1.99 V	281	24.2	8.7
13	9027.50	49.0 PK	74.0	-25.0	1.34 V	166	39.7	9.3
14	9027.50	38.3 AV	54.0	-15.7	1.34 V	166	29.0	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	42.3 PK	74.0	-31.7	1.70 H	100	44.2	-1.9
2	2744.25	37.4 AV	54.0	-16.6	1.70 H	100	39.3	-1.9
3	3659.00	45.1 PK	74.0	-28.9	1.73 H	133	45.7	-0.6
4	3659.00	39.0 AV	54.0	-15.0	1.73 H	133	39.6	-0.6
5	4573.75	48.6 PK	74.0	-25.4	2.04 H	162	47.5	1.1
6	4573.75	44.8 AV	54.0	-9.2	2.04 H	162	43.7	1.1
7	#5488.50	45.0 PK	74.0	-29.0	1.83 H	284	42.5	2.5
8	#5488.50	34.3 AV	54.0	-19.7	1.83 H	284	31.8	2.5
9	7318.00	45.3 PK	74.0	-28.7	1.50 H	233	37.5	7.8
10	7318.00	35.7 AV	54.0	-18.3	1.50 H	233	27.9	7.8
11	8232.75	45.2 PK	74.0	-28.8	2.22 H	91	37.0	8.2
12	8232.75	35.1 AV	54.0	-18.9	2.22 H	91	26.9	8.2
13	9147.50	43.5 PK	74.0	-30.5	1.67 H	26	33.7	9.8
14	9147.50	33.9 AV	54.0	-20.1	1.67 H	26	24.1	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	41.4 PK	74.0	-32.6	1.63 V	356	43.3	-1.9
2	2744.25	36.7 AV	54.0	-17.3	1.63 V	356	38.6	-1.9
3	3659.00	42.3 PK	74.0	-31.7	1.39 V	269	42.9	-0.6
4	3659.00	33.6 AV	54.0	-20.4	1.39 V	269	34.2	-0.6
5	4573.75	51.8 PK	74.0	-22.2	1.54 V	0	50.7	1.1
6	4573.75	43.2 AV	54.0	-10.8	1.54 V	0	42.1	1.1
7	#5488.50	42.0 PK	74.0	-32.0	1.58 V	319	39.5	2.5
8	#5488.50	31.2 AV	54.0	-22.8	1.58 V	319	28.7	2.5
9	7318.00	48.9 PK	74.0	-25.1	1.41 V	153	41.1	7.8
10	7318.00	36.8 AV	54.0	-17.2	1.41 V	153	29.0	7.8
11	8232.75	44.7 PK	74.0	-29.3	1.99 V	285	36.5	8.2
12	8232.75	33.3 AV	54.0	-20.7	1.99 V	285	25.1	8.2
13	9147.50	49.1 PK	74.0	-24.9	1.35 V	172	39.3	9.8
14	9147.50	38.2 AV	54.0	-15.8	1.35 V	172	28.4	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	41.7 PK	74.0	-32.3	1.64 H	109	43.7	-2.0
2	2781.75	37.3 AV	54.0	-16.7	1.64 H	109	39.3	-2.0
3	3709.00	45.4 PK	74.0	-28.6	1.78 H	127	45.9	-0.5
4	3709.00	39.2 AV	54.0	-14.8	1.78 H	127	39.7	-0.5
5	4636.25	48.6 PK	74.0	-25.4	2.01 H	168	47.2	1.4
6	4636.25	45.1 AV	54.0	-8.9	2.01 H	168	43.7	1.4
7	#5563.50	45.4 PK	74.0	-28.6	1.87 H	312	42.6	2.8
8	#5563.50	34.1 AV	54.0	-19.9	1.87 H	312	31.3	2.8
9	7418.00	45.9 PK	74.0	-28.1	1.50 H	244	37.9	8.0
10	7418.00	35.9 AV	54.0	-18.1	1.50 H	244	27.9	8.0
11	8345.25	44.3 PK	74.0	-29.7	2.27 H	90	36.0	8.3
12	8345.25	34.6 AV	54.0	-19.4	2.27 H	90	26.3	8.3
13	#9272.50	42.3 PK	74.0	-31.7	1.71 H	20	32.0	10.3
14	#9272.50	32.8 AV	54.0	-21.2	1.71 H	20	22.5	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	41.4 PK	74.0	-32.6	1.66 V	330	43.4	-2.0
2	2781.75	36.6 AV	54.0	-17.4	1.66 V	330	38.6	-2.0
3	3709.00	41.5 PK	74.0	-32.5	1.36 V	256	42.0	-0.5
4	3709.00	32.9 AV	54.0	-21.1	1.36 V	256	33.4	-0.5
5	4636.25	51.8 PK	74.0	-22.2	1.52 V	15	50.4	1.4
6	4636.25	43.5 AV	54.0	-10.5	1.52 V	15	42.1	1.4
7	#5563.50	42.1 PK	74.0	-31.9	1.50 V	305	39.3	2.8
8	#5563.50	31.1 AV	54.0	-22.9	1.50 V	305	28.3	2.8
9	7418.00	48.7 PK	74.0	-25.3	1.43 V	137	40.7	8.0
10	7418.00	36.7 AV	54.0	-17.3	1.43 V	137	28.7	8.0
11	8345.25	44.4 PK	74.0	-29.6	1.92 V	272	36.1	8.3
12	8345.25	33.4 AV	54.0	-20.6	1.92 V	272	25.1	8.3
13	#9272.50	48.1 PK	74.0	-25.9	1.35 V	143	37.8	10.3
14	#9272.50	37.6 AV	54.0	-16.4	1.35 V	143	27.3	10.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.8 Test Results (Mode 2)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	131.6 QP			1.38 H	351	126.5	5.1
2	101.93	36.1 QP	43.5	-7.4	2.00 H	96	48.0	-11.9
3	198.13	28.6 QP	43.5	-14.9	1.50 H	117	39.5	-10.9
4	250.02	41.5 QP	46.0	-4.5	2.00 H	37	50.4	-8.9
5	375.00	35.1 QP	46.0	-10.9	1.00 H	268	40.1	-5.0
6	500.23	37.0 QP	46.0	-9.0	1.50 H	360	39.0	-2.0
7	625.02	33.4 QP	46.0	-12.6	1.50 H	4	32.5	0.9
8	902.00	64.3 QP	111.6	-47.3	1.38 H	351	59.2	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	128.7 QP			1.09 V	355	123.6	5.1
2	108.84	37.0 QP	43.5	-6.5	1.00 V	10	47.7	-10.7
3	146.67	31.6 QP	43.5	-11.9	1.00 V	249	39.3	-7.7
4	202.95	30.9 QP	43.5	-12.6	1.00 V	82	41.8	-10.9
5	250.00	36.5 QP	46.0	-9.5	2.00 V	135	45.4	-8.9
6	375.00	34.4 QP	46.0	-11.6	1.50 V	0	39.4	-5.0
7	500.21	38.6 QP	46.0	-7.4	2.00 V	306	40.6	-2.0
8	902.00	61.3 QP	108.7	-47.4	1.09 V	355	56.2	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	131.6 QP			1.39 H	354	126.4	5.2
2	101.93	35.9 QP	43.5	-7.6	2.00 H	72	47.8	-11.9
3	172.03	30.2 QP	43.5	-13.3	1.50 H	235	38.7	-8.5
4	**250.02**	**42.6 QP**	**46.0**	**-3.4**	**2.00 H**	**31**	**51.5**	**-8.9**
5	375.15	32.1 QP	46.0	-13.9	1.00 H	244	37.1	-5.0
6	500.21	36.4 QP	46.0	-9.6	2.00 H	360	38.4	-2.0
7	625.02	33.0 QP	46.0	-13.0	1.50 H	8	32.1	0.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	128.6 QP			1.09 V	344	123.4	5.2
2	108.74	37.2 QP	43.5	-6.3	1.00 V	50	48.0	-10.8
3	146.66	31.4 QP	43.5	-12.1	1.50 V	219	39.1	-7.7
4	202.92	31.1 QP	43.5	-12.4	1.20 V	52	42.0	-10.9
5	249.82	36.9 QP	46.0	-9.1	1.50 V	105	45.8	-8.9
6	375.04	34.2 QP	46.0	-11.8	1.00 V	8	39.2	-5.0
7	500.23	38.5 QP	46.0	-7.5	2.00 V	336	40.5	-2.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	131.4 QP			1.37 H	352	126.1	5.3
2	101.90	35.9 QP	43.5	-7.6	2.00 H	78	47.8	-11.9
3	202.15	28.9 QP	43.5	-14.6	1.50 H	119	39.8	-10.9
4	250.02	42.2 QP	46.0	-3.8	1.50 H	40	51.1	-8.9
5	375.05	32.9 QP	46.0	-13.1	1.00 H	264	37.9	-5.0
6	500.18	37.4 QP	46.0	-8.6	1.50 H	360	39.4	-2.0
7	625.02	32.8 QP	46.0	-13.2	1.00 H	0	31.9	0.9
8	749.98	35.8 QP	46.0	-10.2	1.00 H	12	32.5	3.3
9	928.00	62.2 QP	111.4	-49.2	1.37 H	352	56.9	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	128.2 QP			1.10 V	355	122.9	5.3
2	108.72	37.4 QP	43.5	-6.1	1.50 V	30	48.2	-10.8
3	146.86	31.2 QP	43.5	-12.3	1.00 V	249	38.9	-7.7
4	202.94	30.9 QP	43.5	-12.6	1.50 V	32	41.8	-10.9
5	249.85	36.7 QP	46.0	-9.3	1.50 V	4	45.6	-8.9
6	375.06	33.9 QP	46.0	-12.1	1.00 V	6	38.9	-5.0
7	500.20	38.7 QP	46.0	-7.3	2.00 V	156	40.7	-2.0
8	928.00	61.9 QP	108.2	-46.3	1.10 V	355	56.6	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	42.0 PK	74.0	-32.0	1.62 H	87	44.0	-2.0
2	2708.25	37.7 AV	54.0	-16.3	1.62 H	87	39.7	-2.0
3	3611.00	45.0 PK	74.0	-29.0	1.76 H	121	45.7	-0.7
4	3611.00	38.9 AV	54.0	-15.1	1.76 H	121	39.6	-0.7
5	4513.75	48.8 PK	74.0	-25.2	2.08 H	155	48.0	0.8
6	4513.75	45.2 AV	54.0	-8.8	2.08 H	155	44.4	0.8
7	5416.50	45.4 PK	74.0	-28.6	1.89 H	306	42.9	2.5
8	5416.50	34.7 AV	54.0	-19.3	1.89 H	306	32.2	2.5
9	#7222.00	45.3 PK	74.0	-28.7	1.49 H	208	37.4	7.9
10	#7222.00	35.5 AV	54.0	-18.5	1.49 H	208	27.6	7.9
11	8124.75	44.4 PK	74.0	-29.6	2.25 H	90	35.7	8.7
12	8124.75	34.3 AV	54.0	-19.7	2.25 H	90	25.6	8.7
13	9027.50	43.2 PK	74.0	-30.8	1.77 H	29	33.9	9.3
14	9027.50	34.0 AV	54.0	-20.0	1.77 H	29	24.7	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	41.3 PK	74.0	-32.7	1.61 V	360	43.3	-2.0
2	2708.25	36.7 AV	54.0	-17.3	1.61 V	360	38.7	-2.0
3	3611.00	41.6 PK	74.0	-32.4	1.39 V	263	42.3	-0.7
4	3611.00	33.3 AV	54.0	-20.7	1.39 V	263	34.0	-0.7
5	4513.75	51.6 PK	74.0	-22.4	1.53 V	11	50.8	0.8
6	4513.75	43.6 AV	54.0	-10.4	1.53 V	11	42.8	0.8
7	5416.50	41.8 PK	74.0	-32.2	1.51 V	303	39.3	2.5
8	5416.50	30.9 AV	54.0	-23.1	1.51 V	303	28.4	2.5
9	#7222.00	49.0 PK	74.0	-25.0	1.51 V	161	41.1	7.9
10	#7222.00	36.7 AV	54.0	-17.3	1.51 V	161	28.8	7.9
11	8124.75	43.9 PK	74.0	-30.1	2.04 V	283	35.2	8.7
12	8124.75	32.9 AV	54.0	-21.1	2.04 V	283	24.2	8.7
13	9027.50	47.5 PK	74.0	-26.5	1.48 V	168	38.2	9.3
14	9027.50	37.1 AV	54.0	-16.9	1.48 V	168	27.8	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	42.4 PK	74.0	-31.6	1.64 H	75	44.3	-1.9
2	2744.25	37.9 AV	54.0	-16.1	1.64 H	75	39.8	-1.9
3	3659.00	44.8 PK	74.0	-29.2	1.71 H	114	45.4	-0.6
4	3659.00	38.8 AV	54.0	-15.2	1.71 H	114	39.4	-0.6
5	4573.75	49.1 PK	74.0	-24.9	2.11 H	159	48.0	1.1
6	4573.75	45.2 AV	54.0	-8.8	2.11 H	159	44.1	1.1
7	#5488.50	45.1 PK	74.0	-28.9	1.85 H	296	42.6	2.5
8	#5488.50	34.2 AV	54.0	-19.8	1.85 H	296	31.7	2.5
9	7318.00	44.8 PK	74.0	-29.2	1.55 H	193	37.0	7.8
10	7318.00	35.3 AV	54.0	-18.7	1.55 H	193	27.5	7.8
11	8232.75	44.9 PK	74.0	-29.1	2.21 H	93	36.7	8.2
12	8232.75	34.5 AV	54.0	-19.5	2.21 H	93	26.3	8.2
13	9147.50	43.0 PK	74.0	-31.0	1.81 H	15	33.2	9.8
14	9147.50	33.7 AV	54.0	-20.3	1.81 H	15	23.9	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	41.2 PK	74.0	-32.8	1.64 V	352	43.1	-1.9
2	2744.25	36.8 AV	54.0	-17.2	1.64 V	352	38.7	-1.9
3	3659.00	41.9 PK	74.0	-32.1	1.36 V	255	42.5	-0.6
4	3659.00	33.4 AV	54.0	-20.6	1.36 V	255	34.0	-0.6
5	4573.75	51.8 PK	74.0	-22.2	1.58 V	19	50.7	1.1
6	4573.75	43.6 AV	54.0	-10.4	1.58 V	19	42.5	1.1
7	#5488.50	41.8 PK	74.0	-32.2	1.51 V	306	39.3	2.5
8	#5488.50	30.8 AV	54.0	-23.2	1.51 V	306	28.3	2.5
9	7318.00	48.7 PK	74.0	-25.3	1.46 V	158	40.9	7.8
10	7318.00	36.4 AV	54.0	-17.6	1.46 V	158	28.6	7.8
11	8232.75	44.0 PK	74.0	-30.0	2.02 V	285	35.8	8.2
12	8232.75	33.1 AV	54.0	-20.9	2.02 V	285	24.9	8.2
13	9147.50	47.9 PK	74.0	-26.1	1.44 V	167	38.1	9.8
14	9147.50	37.3 AV	54.0	-16.7	1.44 V	167	27.5	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	42.2 PK	74.0	-31.8	1.66 H	90	44.2	-2.0
2	2781.75	37.6 AV	54.0	-16.4	1.66 H	90	39.6	-2.0
3	3709.00	45.5 PK	74.0	-28.5	1.76 H	129	46.0	-0.5
4	3709.00	39.3 AV	54.0	-14.7	1.76 H	129	39.8	-0.5
5	4636.25	48.5 PK	74.0	-25.5	2.03 H	153	47.1	1.4
6	4636.25	44.8 AV	54.0	-9.2	2.03 H	153	43.4	1.4
7	#5563.50	45.2 PK	74.0	-28.8	1.85 H	297	42.4	2.8
8	#5563.50	34.5 AV	54.0	-19.5	1.85 H	297	31.7	2.8
9	7418.00	45.0 PK	74.0	-29.0	1.45 H	223	37.0	8.0
10	7418.00	35.3 AV	54.0	-18.7	1.45 H	223	27.3	8.0
11	8345.25	45.0 PK	74.0	-29.0	2.22 H	86	36.7	8.3
12	8345.25	34.7 AV	54.0	-19.3	2.22 H	86	26.4	8.3
13	#9272.50	43.1 PK	74.0	-30.9	1.72 H	35	32.8	10.3
14	#9272.50	33.7 AV	54.0	-20.3	1.72 H	35	23.4	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	41.5 PK	74.0	-32.5	1.67 V	341	43.5	-2.0
2	2781.75	37.0 AV	54.0	-17.0	1.67 V	341	39.0	-2.0
3	3709.00	42.0 PK	74.0	-32.0	1.39 V	269	42.5	-0.5
4	3709.00	33.3 AV	54.0	-20.7	1.39 V	269	33.8	-0.5
5	4636.25	51.8 PK	74.0	-22.2	1.56 V	10	50.4	1.4
6	4636.25	43.3 AV	54.0	-10.7	1.56 V	10	41.9	1.4
7	#5563.50	41.7 PK	74.0	-32.3	1.52 V	308	38.9	2.8
8	#5563.50	30.8 AV	54.0	-23.2	1.52 V	308	28.0	2.8
9	7418.00	48.9 PK	74.0	-25.1	1.42 V	147	40.9	8.0
10	7418.00	36.6 AV	54.0	-17.4	1.42 V	147	28.6	8.0
11	8345.25	44.5 PK	74.0	-29.5	1.96 V	284	36.2	8.3
12	8345.25	33.3 AV	54.0	-20.7	1.96 V	284	25.0	8.3
13	#9272.50	48.5 PK	74.0	-25.5	1.38 V	158	38.2	10.3
14	#9272.50	37.8 AV	54.0	-16.2	1.38 V	158	27.5	10.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.9 Test Results (Mode 3)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	131.6 QP			1.35 H	348	126.5	5.1
2	101.93	36.1 QP	43.5	-7.4	2.00 H	76	48.0	-11.9
3	250.02	41.7 QP	46.0	-4.3	1.50 H	54	50.6	-8.9
4	303.20	35.5 QP	46.0	-10.5	1.00 H	141	42.3	-6.8
5	375.00	33.2 QP	46.0	-12.8	1.00 H	260	38.2	-5.0
6	500.21	37.3 QP	46.0	-8.7	1.50 H	360	39.3	-2.0
7	750.01	36.8 QP	46.0	-9.2	1.00 H	0	33.5	3.3
8	902.00	62.2 QP	111.6	-49.4	1.35 H	348	57.1	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	128.5 QP			1.08 V	355	123.4	5.1
2	101.70	36.4 QP	43.5	-7.1	1.00 V	122	48.3	-11.9
3	202.80	30.0 QP	43.5	-13.5	1.50 V	121	40.9	-10.9
4	249.84	42.5 QP	46.0	-3.5	1.50 V	171	51.4	-8.9
5	500.02	36.3 QP	46.0	-9.7	1.00 V	90	38.3	-2.0
6	625.05	34.3 QP	46.0	-11.7	2.00 V	260	33.4	0.9
7	749.93	37.5 QP	46.0	-8.5	1.50 V	50	34.2	3.3
8	902.00	61.9 QP	108.5	-46.6	1.08 V	355	56.8	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	131.4 QP			1.37 H	352	126.2	5.2
2	101.88	35.3 QP	43.5	-8.2	2.00 H	63	47.2	-11.9
3	202.90	30.0 QP	43.5	-13.5	1.00 H	130	40.9	-10.9
4	250.00	42.0 QP	46.0	-4.0	2.00 H	27	50.9	-8.9
5	375.15	32.5 QP	46.0	-13.5	2.00 H	53	37.5	-5.0
6	500.23	36.7 QP	46.0	-9.3	2.00 H	360	38.7	-2.0
7	749.98	36.3 QP	46.0	-9.7	1.00 H	9	33.0	3.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	128.5 QP			1.07 V	352	123.3	5.2
2	101.90	36.2 QP	43.5	-7.3	1.00 V	102	48.1	-11.9
3	202.84	30.5 QP	43.5	-13.0	2.00 V	81	41.4	-10.9
4	249.94	42.3 QP	46.0	-3.7	1.00 V	201	51.2	-8.9
5	499.99	36.5 QP	46.0	-9.5	1.50 V	320	38.5	-2.0
6	625.03	34.1 QP	46.0	-11.9	1.50 V	242	33.2	0.9
7	749.95	37.3 QP	46.0	-8.7	1.50 V	110	34.0	3.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	131.7 QP			1.37 H	352	126.4	5.3
2	101.90	36.3 QP	43.5	-7.2	2.00 H	81	48.2	-11.9
3	202.20	29.4 QP	43.5	-14.1	1.50 H	125	40.3	-10.9
4	250.02	42.0 QP	46.0	-4.0	1.50 H	40	50.9	-8.9
5	375.00	33.2 QP	46.0	-12.8	1.00 H	246	38.2	-5.0
6	500.21	37.2 QP	46.0	-8.8	1.50 H	360	39.2	-2.0
7	750.03	36.2 QP	46.0	-9.8	1.00 H	10	32.9	3.3
8	928.00	62.3 QP	111.7	-49.4	1.37 H	352	57.0	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	128.4 QP			1.11 V	351	123.1	5.3
2	101.91	36.2 QP	43.5	-7.3	1.50 V	95	48.1	-11.9
3	202.83	30.8 QP	43.5	-12.7	2.00 V	78	41.7	-10.9
4	250.24	42.2 QP	46.0	-3.8	1.00 V	101	51.1	-8.9
5	500.19	36.3 QP	46.0	-9.7	1.50 V	10	38.3	-2.0
6	625.03	33.9 QP	46.0	-12.1	1.00 V	212	33.0	0.9
7	749.97	37.5 QP	46.0	-8.5	1.50 V	140	34.2	3.3
8	928.00	61.9 QP	108.4	-46.5	1.11 V	351	56.6	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	41.8 PK	74.0	-32.2	1.63 H	100	43.8	-2.0
2	2708.25	37.5 AV	54.0	-16.5	1.63 H	100	39.5	-2.0
3	3611.00	45.4 PK	74.0	-28.6	1.69 H	120	46.1	-0.7
4	3611.00	38.9 AV	54.0	-15.1	1.69 H	120	39.6	-0.7
5	4513.75	48.3 PK	74.0	-25.7	2.06 H	166	47.5	0.8
6	4513.75	44.9 AV	54.0	-9.1	2.06 H	166	44.1	0.8
7	5416.50	45.4 PK	74.0	-28.6	1.85 H	297	42.9	2.5
8	5416.50	34.5 AV	54.0	-19.5	1.85 H	297	32.0	2.5
9	#7222.00	45.1 PK	74.0	-28.9	1.49 H	237	37.2	7.9
10	#7222.00	35.2 AV	54.0	-18.8	1.49 H	237	27.3	7.9
11	8124.75	44.1 PK	74.0	-29.9	2.19 H	74	35.4	8.7
12	8124.75	34.3 AV	54.0	-19.7	2.19 H	74	25.6	8.7
13	9027.50	42.8 PK	74.0	-31.2	1.74 H	6	33.5	9.3
14	9027.50	33.2 AV	54.0	-20.8	1.74 H	6	23.9	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	41.4 PK	74.0	-32.6	1.70 V	332	43.4	-2.0
2	2708.25	37.1 AV	54.0	-16.9	1.70 V	332	39.1	-2.0
3	3611.00	42.6 PK	74.0	-31.4	1.42 V	267	43.3	-0.7
4	3611.00	33.7 AV	54.0	-20.3	1.42 V	267	34.4	-0.7
5	4513.75	52.5 PK	74.0	-21.5	1.52 V	13	51.7	0.8
6	4513.75	44.0 AV	54.0	-10.0	1.52 V	13	43.2	0.8
7	5416.50	41.2 PK	74.0	-32.8	1.47 V	324	38.7	2.5
8	5416.50	30.2 AV	54.0	-23.8	1.47 V	324	27.7	2.5
9	#7222.00	48.9 PK	74.0	-25.1	1.37 V	148	41.0	7.9
10	#7222.00	36.6 AV	54.0	-17.4	1.37 V	148	28.7	7.9
11	8124.75	43.9 PK	74.0	-30.1	1.98 V	287	35.2	8.7
12	8124.75	33.0 AV	54.0	-21.0	1.98 V	287	24.3	8.7
13	9027.50	49.3 PK	74.0	-24.7	1.32 V	164	40.0	9.3
14	9027.50	38.5 AV	54.0	-15.5	1.32 V	164	29.2	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	41.7 PK	74.0	-32.3	1.63 H	93	43.6	-1.9
2	2744.25	37.5 AV	54.0	-16.5	1.63 H	93	39.4	-1.9
3	3659.00	45.1 PK	74.0	-28.9	1.75 H	131	45.7	-0.6
4	3659.00	38.9 AV	54.0	-15.1	1.75 H	131	39.5	-0.6
5	4573.75	47.9 PK	74.0	-26.1	2.03 H	160	46.8	1.1
6	4573.75	44.6 AV	54.0	-9.4	2.03 H	160	43.5	1.1
7	#5488.50	45.1 PK	74.0	-28.9	1.89 H	291	42.6	2.5
8	#5488.50	34.2 AV	54.0	-19.8	1.89 H	291	31.7	2.5
9	7318.00	45.1 PK	74.0	-28.9	1.46 H	241	37.3	7.8
10	7318.00	35.1 AV	54.0	-18.9	1.46 H	241	27.3	7.8
11	8232.75	44.7 PK	74.0	-29.3	2.24 H	77	36.5	8.2
12	8232.75	34.7 AV	54.0	-19.3	2.24 H	77	26.5	8.2
13	9147.50	43.3 PK	74.0	-30.7	1.74 H	28	33.5	9.8
14	9147.50	33.7 AV	54.0	-20.3	1.74 H	28	23.9	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	41.5 PK	74.0	-32.5	1.64 V	330	43.4	-1.9
2	2744.25	37.1 AV	54.0	-16.9	1.64 V	330	39.0	-1.9
3	3659.00	42.3 PK	74.0	-31.7	1.40 V	259	42.9	-0.6
4	3659.00	33.1 AV	54.0	-20.9	1.40 V	259	33.7	-0.6
5	4573.75	52.0 PK	74.0	-22.0	1.57 V	4	50.9	1.1
6	4573.75	43.3 AV	54.0	-10.7	1.57 V	4	42.2	1.1
7	#5488.50	41.6 PK	74.0	-32.4	1.51 V	306	39.1	2.5
8	#5488.50	30.4 AV	54.0	-23.6	1.51 V	306	27.9	2.5
9	7318.00	48.1 PK	74.0	-25.9	1.38 V	146	40.3	7.8
10	7318.00	36.1 AV	54.0	-17.9	1.38 V	146	28.3	7.8
11	8232.75	43.8 PK	74.0	-30.2	2.01 V	267	35.6	8.2
12	8232.75	32.8 AV	54.0	-21.2	2.01 V	267	24.6	8.2
13	9147.50	49.2 PK	74.0	-24.8	1.30 V	177	39.4	9.8
14	9147.50	38.7 AV	54.0	-15.3	1.30 V	177	28.9	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	42.6 PK	74.0	-31.4	1.63 H	95	44.6	-2.0
2	2781.75	38.0 AV	54.0	-16.0	1.63 H	95	40.0	-2.0
3	3709.00	45.4 PK	74.0	-28.6	1.72 H	141	45.9	-0.5
4	3709.00	39.3 AV	54.0	-14.7	1.72 H	141	39.8	-0.5
5	4636.25	47.4 PK	74.0	-26.6	2.03 H	162	46.0	1.4
6	4636.25	44.1 AV	54.0	-9.9	2.03 H	162	42.7	1.4
7	#5563.50	44.8 PK	74.0	-29.2	1.84 H	322	42.0	2.8
8	#5563.50	33.9 AV	54.0	-20.1	1.84 H	322	31.1	2.8
9	7418.00	45.3 PK	74.0	-28.7	1.47 H	238	37.3	8.0
10	7418.00	35.5 AV	54.0	-18.5	1.47 H	238	27.5	8.0
11	8345.25	44.1 PK	74.0	-29.9	2.24 H	91	35.8	8.3
12	8345.25	34.4 AV	54.0	-19.6	2.24 H	91	26.1	8.3
13	#9272.50	42.4 PK	74.0	-31.6	1.78 H	31	32.1	10.3
14	#9272.50	33.1 AV	54.0	-20.9	1.78 H	31	22.8	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	41.4 PK	74.0	-32.6	1.62 V	325	43.4	-2.0
2	2781.75	37.0 AV	54.0	-17.0	1.62 V	325	39.0	-2.0
3	3709.00	42.0 PK	74.0	-32.0	1.38 V	254	42.5	-0.5
4	3709.00	33.0 AV	54.0	-21.0	1.38 V	254	33.5	-0.5
5	4636.25	52.0 PK	74.0	-22.0	1.52 V	23	50.6	1.4
6	4636.25	43.3 AV	54.0	-10.7	1.52 V	23	41.9	1.4
7	#5563.50	40.9 PK	74.0	-33.1	1.54 V	332	38.1	2.8
8	#5563.50	30.1 AV	54.0	-23.9	1.54 V	332	27.3	2.8
9	7418.00	48.2 PK	74.0	-25.8	1.39 V	153	40.2	8.0
10	7418.00	36.1 AV	54.0	-17.9	1.39 V	153	28.1	8.0
11	8345.25	44.7 PK	74.0	-29.3	2.02 V	289	36.4	8.3
12	8345.25	33.4 AV	54.0	-20.6	2.02 V	289	25.1	8.3
13	#9272.50	49.4 PK	74.0	-24.6	1.32 V	181	39.1	10.3
14	#9272.50	38.7 AV	54.0	-15.3	1.32 V	181	28.4	10.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.10 Test Results (Mode 4)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	124.3 QP			1.33 H	332	119.2	5.1
2	108.04	30.8 QP	43.5	-12.7	1.50 H	270	41.7	-10.9
3	157.53	27.4 QP	43.5	-16.1	1.50 H	289	35.0	-7.6
4	250.02	35.7 QP	46.0	-10.3	1.00 H	128	44.6	-8.9
5	333.00	32.0 QP	46.0	-14.0	1.00 H	61	37.8	-5.8
6	375.17	37.8 QP	46.0	-8.2	1.50 H	360	42.8	-5.0
7	500.23	31.1 QP	46.0	-14.9	1.00 H	221	33.1	-2.0
8	902.00	55.2 QP	104.3	-49.1	1.33 H	332	50.1	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	124.3 QP			1.02 V	19	119.2	5.1
2	107.38	30.7 QP	43.5	-12.8	1.50 V	360	41.7	-11.0
3	154.26	29.7 QP	43.5	-13.8	1.00 V	96	37.3	-7.6
4	250.07	31.6 QP	46.0	-14.4	1.50 V	360	40.5	-8.9
5	375.15	35.3 QP	46.0	-10.7	1.50 V	99	40.3	-5.0
6	500.21	33.8 QP	46.0	-12.2	1.00 V	268	35.8	-2.0
7	77.21	33.5 QP	40.0	-6.5	1.50 V	360	45.4	-11.9
8	902.00	55.0 QP	104.3	-49.3	1.02 V	19	49.9	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	125.0 QP			1.34 H	332	119.8	5.2
2	108.79	33.8 QP	43.5	-9.7	2.00 H	253	44.6	-10.8
3	161.36	29.5 QP	43.5	-14.0	1.50 H	237	37.5	-8.0
4	250.04	31.5 QP	46.0	-14.5	1.00 H	297	40.4	-8.9
5	317.75	31.7 QP	46.0	-14.3	1.00 H	26	37.9	-6.2
6	375.17	32.9 QP	46.0	-13.1	1.00 H	2	37.9	-5.0
7	500.21	30.9 QP	46.0	-15.1	1.50 H	360	32.9	-2.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	124.8 QP			1.03 V	16	119.6	5.2
2	77.21	33.6 QP	40.0	-6.4	1.00 V	360	45.5	-11.9
3	107.33	30.7 QP	43.5	-12.8	2.00 V	360	41.7	-11.0
4	154.26	29.6 QP	43.5	-13.9	1.00 V	80	37.2	-7.6
5	250.02	32.0 QP	46.0	-14.0	2.00 V	339	40.9	-8.9
6	375.15	35.6 QP	46.0	-10.4	1.50 V	97	40.6	-5.0
7	500.23	34.2 QP	46.0	-11.8	2.00 V	360	36.2	-2.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.5 QP			1.31 H	331	120.2	5.3
2	108.81	32.8 QP	43.5	-10.7	1.50 H	264	43.6	-10.8
3	161.36	29.9 QP	43.5	-13.6	2.00 H	279	37.9	-8.0
4	250.02	31.1 QP	46.0	-14.9	1.00 H	292	40.0	-8.9
5	322.84	31.9 QP	46.0	-14.1	1.00 H	40	38.0	-6.1
6	375.03	33.2 QP	46.0	-12.8	2.00 H	28	38.2	-5.0
7	500.21	31.6 QP	46.0	-14.4	1.00 H	220	33.6	-2.0
8	928.00	52.4 QP	105.5	-53.1	1.31 H	331	47.1	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.5 QP			1.02 V	16	120.2	5.3
2	77.24	33.5 QP	40.0	-6.5	1.00 V	358	45.4	-11.9
3	106.85	31.8 QP	43.5	-11.7	1.00 V	360	42.9	-11.1
4	168.81	29.6 QP	43.5	-13.9	1.00 V	55	37.9	-8.3
5	250.02	32.1 QP	46.0	-13.9	1.50 V	360	41.0	-8.9
6	302.50	31.6 QP	46.0	-14.4	1.00 V	250	38.4	-6.8
7	375.17	35.7 QP	46.0	-10.3	1.50 V	104	40.7	-5.0
8	928.00	52.2 QP	105.5	-53.3	1.02 V	16	46.9	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	43.3 PK	74.0	-30.7	2.03 H	203	45.3	-2.0
2	2708.25	38.7 AV	54.0	-15.3	2.03 H	203	40.7	-2.0
3	3611.00	45.1 PK	74.0	-28.9	1.74 H	124	45.8	-0.7
4	3611.00	38.4 AV	54.0	-15.6	1.74 H	124	39.1	-0.7
5	4513.75	53.0 PK	74.0	-21.0	1.56 H	83	52.2	0.8
6	4513.75	47.2 AV	54.0	-6.8	1.56 H	83	46.4	0.8
7	5416.50	45.4 PK	74.0	-28.6	1.76 H	260	42.9	2.5
8	5416.50	34.9 AV	54.0	-19.1	1.76 H	260	32.4	2.5
9	#7222.00	49.6 PK	74.0	-24.4	1.51 H	216	41.7	7.9
10	#7222.00	38.5 AV	54.0	-15.5	1.51 H	216	30.6	7.9
11	8124.75	44.3 PK	74.0	-29.7	2.77 H	64	35.6	8.7
12	8124.75	34.2 AV	54.0	-19.8	2.77 H	64	25.5	8.7
13	9027.50	43.2 PK	74.0	-30.8	1.34 H	174	33.9	9.3
14	9027.50	33.7 AV	54.0	-20.3	1.34 H	174	24.4	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	38.8 PK	74.0	-35.2	1.58 V	164	40.8	-2.0
2	2708.25	32.1 AV	54.0	-21.9	1.58 V	164	34.1	-2.0
3	3611.00	42.8 PK	74.0	-31.2	2.05 V	135	43.5	-0.7
4	3611.00	33.9 AV	54.0	-20.1	2.05 V	135	34.6	-0.7
5	4513.75	50.9 PK	74.0	-23.1	2.49 V	312	50.1	0.8
6	4513.75	42.5 AV	54.0	-11.5	2.49 V	312	41.7	0.8
7	5416.50	41.5 PK	74.0	-32.5	1.51 V	170	39.0	2.5
8	5416.50	30.2 AV	54.0	-23.8	1.51 V	170	27.7	2.5
9	#7222.00	48.6 PK	74.0	-25.4	1.63 V	17	40.7	7.9
10	#7222.00	36.3 AV	54.0	-17.7	1.63 V	17	28.4	7.9
11	8124.75	45.4 PK	74.0	-28.6	1.84 V	84	36.7	8.7
12	8124.75	34.0 AV	54.0	-20.0	1.84 V	84	25.3	8.7
13	9027.50	47.8 PK	74.0	-26.2	1.44 V	158	38.5	9.3
14	9027.50	37.1 AV	54.0	-16.9	1.44 V	158	27.8	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	44.4 PK	74.0	-29.6	2.07 H	184	46.3	-1.9
2	2744.25	39.4 AV	54.0	-14.6	2.07 H	184	41.3	-1.9
3	3659.00	45.3 PK	74.0	-28.7	1.68 H	122	45.9	-0.6
4	3659.00	38.9 AV	54.0	-15.1	1.68 H	122	39.5	-0.6
5	4573.75	53.2 PK	74.0	-20.8	1.59 H	81	52.1	1.1
6	4573.75	47.6 AV	54.0	-6.4	1.59 H	81	46.5	1.1
7	#5488.50	45.8 PK	74.0	-28.2	1.78 H	250	43.3	2.5
8	#5488.50	35.2 AV	54.0	-18.8	1.78 H	250	32.7	2.5
9	7318.00	50.1 PK	74.0	-23.9	1.51 H	216	42.3	7.8
10	7318.00	39.0 AV	54.0	-15.0	1.51 H	216	31.2	7.8
11	8232.75	45.0 PK	74.0	-29.0	2.83 H	89	36.8	8.2
12	8232.75	34.8 AV	54.0	-19.2	2.83 H	89	26.6	8.2
13	9147.50	43.1 PK	74.0	-30.9	1.41 H	174	33.3	9.8
14	9147.50	33.7 AV	54.0	-20.3	1.41 H	174	23.9	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	39.2 PK	74.0	-34.8	1.63 V	172	41.1	-1.9
2	2744.25	32.2 AV	54.0	-21.8	1.63 V	172	34.1	-1.9
3	3659.00	41.7 PK	74.0	-32.3	2.00 V	133	42.3	-0.6
4	3659.00	33.0 AV	54.0	-21.0	2.00 V	133	33.6	-0.6
5	4573.75	50.9 PK	74.0	-23.1	2.54 V	331	49.8	1.1
6	4573.75	42.6 AV	54.0	-11.4	2.54 V	331	41.5	1.1
7	#5488.50	41.7 PK	74.0	-32.3	1.61 V	168	39.2	2.5
8	#5488.50	30.6 AV	54.0	-23.4	1.61 V	168	28.1	2.5
9	7318.00	49.1 PK	74.0	-24.9	1.61 V	14	41.3	7.8
10	7318.00	36.7 AV	54.0	-17.3	1.61 V	14	28.9	7.8
11	8232.75	44.3 PK	74.0	-29.7	1.80 V	84	36.1	8.2
12	8232.75	33.3 AV	54.0	-20.7	1.80 V	84	25.1	8.2
13	9147.50	48.1 PK	74.0	-25.9	1.50 V	153	38.3	9.8
14	9147.50	37.3 AV	54.0	-16.7	1.50 V	153	27.5	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	42.8 PK	74.0	-31.2	2.10 H	199	44.8	-2.0
2	2781.75	38.4 AV	54.0	-15.6	2.10 H	199	40.4	-2.0
3	3709.00	44.7 PK	74.0	-29.3	1.67 H	128	45.2	-0.5
4	3709.00	38.5 AV	54.0	-15.5	1.67 H	128	39.0	-0.5
5	4636.25	52.8 PK	74.0	-21.2	1.49 H	98	51.4	1.4
6	4636.25	47.2 AV	54.0	-6.8	1.49 H	98	45.8	1.4
7	#5563.50	45.4 PK	74.0	-28.6	1.81 H	256	42.6	2.8
8	#5563.50	35.1 AV	54.0	-18.9	1.81 H	256	32.3	2.8
9	7418.00	49.9 PK	74.0	-24.1	1.55 H	219	41.9	8.0
10	7418.00	38.7 AV	54.0	-15.3	1.55 H	219	30.7	8.0
11	8345.25	45.2 PK	74.0	-28.8	2.79 H	91	36.9	8.3
12	8345.25	34.5 AV	54.0	-19.5	2.79 H	91	26.2	8.3
13	#9272.50	42.7 PK	74.0	-31.3	1.32 H	169	32.4	10.3
14	#9272.50	33.6 AV	54.0	-20.4	1.32 H	169	23.3	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	39.7 PK	74.0	-34.3	1.63 V	164	41.7	-2.0
2	2781.75	32.8 AV	54.0	-21.2	1.63 V	164	34.8	-2.0
3	3709.00	42.5 PK	74.0	-31.5	2.07 V	115	43.0	-0.5
4	3709.00	33.9 AV	54.0	-20.1	2.07 V	115	34.4	-0.5
5	4636.25	51.3 PK	74.0	-22.7	2.56 V	335	49.9	1.4
6	4636.25	43.2 AV	54.0	-10.8	2.56 V	335	41.8	1.4
7	#5563.50	41.6 PK	74.0	-32.4	1.52 V	168	38.8	2.8
8	#5563.50	30.7 AV	54.0	-23.3	1.52 V	168	27.9	2.8
9	7418.00	48.7 PK	74.0	-25.3	1.66 V	26	40.7	8.0
10	7418.00	36.5 AV	54.0	-17.5	1.66 V	26	28.5	8.0
11	8345.25	44.3 PK	74.0	-29.7	1.82 V	89	36.0	8.3
12	8345.25	33.2 AV	54.0	-20.8	1.82 V	89	24.9	8.3
13	#9272.50	48.0 PK	74.0	-26.0	1.48 V	178	37.7	10.3
14	#9272.50	37.2 AV	54.0	-16.8	1.48 V	178	26.9	10.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.11 Test Results (Mode 5)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	123.9 QP			1.35 H	333	118.8	5.1
2	108.81	32.6 QP	43.5	-10.9	2.00 H	57	43.4	-10.8
3	163.01	29.9 QP	43.5	-13.6	1.50 H	82	38.0	-8.1
4	250.07	31.4 QP	46.0	-14.6	1.00 H	302	40.3	-8.9
5	332.91	31.7 QP	46.0	-14.3	1.00 H	42	37.5	-5.8
6	375.15	33.6 QP	46.0	-12.4	2.00 H	38	38.6	-5.0
7	500.23	30.8 QP	46.0	-15.2	1.00 H	360	32.8	-2.0
8	902.00	54.5 QP	103.9	-49.4	1.35 H	333	49.4	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	123.7 QP			1.02 V	21	118.6	5.1
2	106.78	32.0 QP	43.5	-11.5	1.50 V	360	43.1	-11.1
3	168.81	29.7 QP	43.5	-13.8	1.00 V	19	38.0	-8.3
4	250.02	31.5 QP	46.0	-14.5	1.50 V	360	40.4	-8.9
5	375.15	34.9 QP	46.0	-11.1	1.50 V	105	39.9	-5.0
6	500.01	34.0 QP	46.0	-12.0	1.00 V	268	36.0	-2.0
7	77.24	33.2 QP	40.0	-6.8	1.00 V	360	45.1	-11.9
8	902.00	54.4 QP	103.7	-49.3	1.02 V	21	49.3	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	124.6 QP			1.32 H	331	119.4	5.2
2	108.81	33.9 QP	43.5	-9.6	1.50 H	54	44.7	-10.8
3	162.48	28.9 QP	43.5	-14.6	2.00 H	270	36.9	-8.0
4	250.07	31.2 QP	46.0	-14.8	1.00 H	295	40.1	-8.9
5	327.52	32.7 QP	46.0	-13.3	1.50 H	360	38.7	-6.0
6	375.03	33.1 QP	46.0	-12.9	2.00 H	32	38.1	-5.0
7	480.23	30.5 QP	46.0	-15.5	2.00 H	314	33.0	-2.5
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	124.4 QP			1.03 V	17	119.2	5.2
2	77.99	32.3 QP	40.0	-7.7	1.00 V	360	44.4	-12.1
3	168.83	29.6 QP	43.5	-13.9	1.00 V	40	37.9	-8.3
4	250.04	31.6 QP	46.0	-14.4	1.50 V	360	40.5	-8.9
5	332.98	30.3 QP	46.0	-15.7	1.50 V	360	36.1	-5.8
6	375.15	34.5 QP	46.0	-11.5	1.50 V	103	39.5	-5.0
7	500.21	34.0 QP	46.0	-12.0	1.00 V	360	36.0	-2.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.2 QP			1.32 H	334	119.9	5.3
2	108.91	33.9 QP	43.5	-9.6	2.00 H	53	44.6	-10.7
3	146.72	29.4 QP	43.5	-14.1	2.00 H	51	37.1	-7.7
4	250.07	32.0 QP	46.0	-14.0	1.00 H	285	40.9	-8.9
5	323.06	30.7 QP	46.0	-15.3	1.00 H	56	36.7	-6.0
6	375.03	32.8 QP	46.0	-13.2	2.00 H	51	37.8	-5.0
7	500.01	31.4 QP	46.0	-14.6	1.50 H	26	33.4	-2.0
8	928.00	51.9 QP	105.2	-53.3	1.32 H	334	46.6	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.2 QP			1.32 V	334	119.9	5.3
2	79.25	32.8 QP	40.0	-7.2	1.00 V	158	45.3	-12.5
3	108.84	30.4 QP	43.5	-13.1	2.00 V	12	41.1	-10.7
4	189.81	28.2 QP	43.5	-15.3	1.00 V	333	38.6	-10.4
5	250.02	37.8 QP	46.0	-8.2	2.00 V	360	46.7	-8.9
6	332.91	33.6 QP	46.0	-12.4	1.50 V	154	39.4	-5.8
7	375.00	32.1 QP	46.0	-13.9	1.00 V	171	37.1	-5.0
8	500.21	35.5 QP	46.0	-10.5	1.00 V	360	37.5	-2.0
9	928.00	51.8 QP	105.2	-53.4	1.32 V	334	46.5	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	43.6 PK	74.0	-30.4	2.05 H	191	45.6	-2.0
2	2708.25	38.9 AV	54.0	-15.1	2.05 H	191	40.9	-2.0
3	3611.00	45.3 PK	74.0	-28.7	1.69 H	127	46.0	-0.7
4	3611.00	38.8 AV	54.0	-15.2	1.69 H	127	39.5	-0.7
5	4513.75	53.1 PK	74.0	-20.9	1.53 H	85	52.3	0.8
6	4513.75	47.5 AV	54.0	-6.5	1.53 H	85	46.7	0.8
7	5416.50	45.8 PK	74.0	-28.2	1.80 H	250	43.3	2.5
8	5416.50	35.2 AV	54.0	-18.8	1.80 H	250	32.7	2.5
9	#7222.00	49.9 PK	74.0	-24.1	1.52 H	221	42.0	7.9
10	#7222.00	38.8 AV	54.0	-15.2	1.52 H	221	30.9	7.9
11	8124.75	44.8 PK	74.0	-29.2	2.81 H	78	36.1	8.7
12	8124.75	34.4 AV	54.0	-19.6	2.81 H	78	25.7	8.7
13	9027.50	43.1 PK	74.0	-30.9	1.36 H	159	33.8	9.3
14	9027.50	33.8 AV	54.0	-20.2	1.36 H	159	24.5	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	39.0 PK	74.0	-35.0	1.61 V	169	41.0	-2.0
2	2708.25	32.3 AV	54.0	-21.7	1.61 V	169	34.3	-2.0
3	3611.00	41.7 PK	74.0	-32.3	2.09 V	130	42.4	-0.7
4	3611.00	33.3 AV	54.0	-20.7	2.09 V	130	34.0	-0.7
5	4513.75	51.3 PK	74.0	-22.7	2.46 V	309	50.5	0.8
6	4513.75	42.9 AV	54.0	-11.1	2.46 V	309	42.1	0.8
7	5416.50	41.8 PK	74.0	-32.2	1.60 V	181	39.3	2.5
8	5416.50	30.5 AV	54.0	-23.5	1.60 V	181	28.0	2.5
9	#7222.00	48.4 PK	74.0	-25.6	1.65 V	27	40.5	7.9
10	#7222.00	36.3 AV	54.0	-17.7	1.65 V	27	28.4	7.9
11	8124.75	45.5 PK	74.0	-28.5	1.87 V	78	36.8	8.7
12	8124.75	34.0 AV	54.0	-20.0	1.87 V	78	25.3	8.7
13	9027.50	47.6 PK	74.0	-26.4	1.46 V	154	38.3	9.3
14	9027.50	36.9 AV	54.0	-17.1	1.46 V	154	27.6	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	43.4 PK	74.0	-30.6	2.05 H	203	45.3	-1.9
2	2744.25	38.4 AV	54.0	-15.6	2.05 H	203	40.3	-1.9
3	3659.00	46.0 PK	74.0	-28.0	1.63 H	119	46.6	-0.6
4	3659.00	39.3 AV	54.0	-14.7	1.63 H	119	39.9	-0.6
5	4573.75	52.2 PK	74.0	-21.8	1.51 H	57	51.1	1.1
6	4573.75	46.8 AV	54.0	-7.2	1.51 H	57	45.7	1.1
7	#5488.50	45.0 PK	74.0	-29.0	1.81 H	254	42.5	2.5
8	#5488.50	34.5 AV	54.0	-19.5	1.81 H	254	32.0	2.5
9	7318.00	50.0 PK	74.0	-24.0	1.51 H	225	42.2	7.8
10	7318.00	38.9 AV	54.0	-15.1	1.51 H	225	31.1	7.8
11	8232.75	45.4 PK	74.0	-28.6	2.83 H	79	37.2	8.2
12	8232.75	35.1 AV	54.0	-18.9	2.83 H	79	26.9	8.2
13	9147.50	42.8 PK	74.0	-31.2	1.34 H	144	33.0	9.8
14	9147.50	33.3 AV	54.0	-20.7	1.34 H	144	23.5	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	39.4 PK	74.0	-34.6	1.63 V	161	41.3	-1.9
2	2744.25	32.7 AV	54.0	-21.3	1.63 V	161	34.6	-1.9
3	3659.00	42.7 PK	74.0	-31.3	2.05 V	127	43.3	-0.6
4	3659.00	33.9 AV	54.0	-20.1	2.05 V	127	34.5	-0.6
5	4573.75	51.0 PK	74.0	-23.0	2.55 V	310	49.9	1.1
6	4573.75	42.4 AV	54.0	-11.6	2.55 V	310	41.3	1.1
7	#5488.50	41.2 PK	74.0	-32.8	1.56 V	182	38.7	2.5
8	#5488.50	30.1 AV	54.0	-23.9	1.56 V	182	27.6	2.5
9	7318.00	48.9 PK	74.0	-25.1	1.62 V	33	41.1	7.8
10	7318.00	36.7 AV	54.0	-17.3	1.62 V	33	28.9	7.8
11	8232.75	45.5 PK	74.0	-28.5	1.85 V	80	37.3	8.2
12	8232.75	34.1 AV	54.0	-19.9	1.85 V	80	25.9	8.2
13	9147.50	47.6 PK	74.0	-26.4	1.53 V	166	37.8	9.8
14	9147.50	36.5 AV	54.0	-17.5	1.53 V	166	26.7	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	43.5 PK	74.0	-30.5	2.09 H	188	45.5	-2.0
2	2781.75	38.8 AV	54.0	-15.2	2.09 H	188	40.8	-2.0
3	3709.00	45.5 PK	74.0	-28.5	1.65 H	123	46.0	-0.5
4	3709.00	38.9 AV	54.0	-15.1	1.65 H	123	39.4	-0.5
5	4636.25	52.6 PK	74.0	-21.4	1.54 H	71	51.2	1.4
6	4636.25	47.2 AV	54.0	-6.8	1.54 H	71	45.8	1.4
7	#5563.50	45.4 PK	74.0	-28.6	1.78 H	241	42.6	2.8
8	#5563.50	34.8 AV	54.0	-19.2	1.78 H	241	32.0	2.8
9	7418.00	49.8 PK	74.0	-24.2	1.52 H	223	41.8	8.0
10	7418.00	38.8 AV	54.0	-15.2	1.52 H	223	30.8	8.0
11	8345.25	45.1 PK	74.0	-28.9	2.81 H	74	36.8	8.3
12	8345.25	34.8 AV	54.0	-19.2	2.81 H	74	26.5	8.3
13	#9272.50	43.2 PK	74.0	-30.8	1.33 H	154	32.9	10.3
14	#9272.50	33.6 AV	54.0	-20.4	1.33 H	154	23.3	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	39.2 PK	74.0	-34.8	1.62 V	166	41.2	-2.0
2	2781.75	32.3 AV	54.0	-21.7	1.62 V	166	34.3	-2.0
3	3709.00	42.1 PK	74.0	-31.9	2.03 V	129	42.6	-0.5
4	3709.00	33.5 AV	54.0	-20.5	2.03 V	129	34.0	-0.5
5	4636.25	51.1 PK	74.0	-22.9	2.51 V	323	49.7	1.4
6	4636.25	42.8 AV	54.0	-11.2	2.51 V	323	41.4	1.4
7	#5563.50	41.6 PK	74.0	-32.4	1.56 V	177	38.8	2.8
8	#5563.50	30.5 AV	54.0	-23.5	1.56 V	177	27.7	2.8
9	7418.00	48.9 PK	74.0	-25.1	1.66 V	28	40.9	8.0
10	7418.00	36.6 AV	54.0	-17.4	1.66 V	28	28.6	8.0
11	8345.25	44.8 PK	74.0	-29.2	1.82 V	78	36.5	8.3
12	8345.25	33.6 AV	54.0	-20.4	1.82 V	78	25.3	8.3
13	#9272.50	47.8 PK	74.0	-26.2	1.49 V	163	37.5	10.3
14	#9272.50	36.8 AV	54.0	-17.2	1.49 V	163	26.5	10.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.1.12 Test Results (Mode 6)

Below 1GHz Data:

CHANNEL	TX Channel 0	**DETECTOR FUNCTION**	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	124.4 QP			1.35 H	334	119.3	5.1
2	107.94	32.7 QP	43.5	-10.8	2.00 H	277	43.6	-10.9
3	163.33	29.6 QP	43.5	-13.9	2.00 H	56	37.7	-8.1
4	250.04	32.1 QP	46.0	-13.9	1.00 H	297	41.0	-8.9
5	317.63	31.2 QP	46.0	-14.8	1.50 H	360	37.4	-6.2
6	375.17	32.7 QP	46.0	-13.3	2.00 H	40	37.7	-5.0
7	500.21	31.0 QP	46.0	-15.0	1.00 H	224	33.0	-2.0
8	902.00	55.2 QP	104.4	-49.2	1.35 H	334	50.1	5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	*902.75	124.3 QP			1.03 V	17	119.2	5.1
2	107.43	31.3 QP	43.5	-12.2	1.00 V	360	42.3	-11.0
3	168.49	30.1 QP	43.5	-13.4	1.00 V	51	38.4	-8.3
4	250.00	31.3 QP	46.0	-14.7	2.00 V	347	40.2	-8.9
5	375.17	34.9 QP	46.0	-11.1	1.50 V	105	39.9	-5.0
6	500.21	34.7 QP	46.0	-11.3	1.00 V	360	36.7	-2.0
7	78.02	33.7 QP	40.0	-6.3	1.00 V	360	45.8	-12.1
8	902.00	55.1 QP	104.3	-49.2	1.03 V	17	50.0	5.1

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	124.6 QP			1.33 H	333	119.4	5.2
2	98.48	31.8 QP	43.5	-11.7	2.00 H	60	44.5	-12.7
3	161.31	29.5 QP	43.5	-14.0	2.00 H	246	37.5	-8.0
4	250.07	31.6 QP	46.0	-14.4	1.00 H	305	40.5	-8.9
5	317.58	34.0 QP	46.0	-12.0	1.00 H	48	40.2	-6.2
6	375.17	33.2 QP	46.0	-12.8	2.00 H	24	38.2	-5.0
7	500.23	31.3 QP	46.0	-14.7	1.00 H	209	33.3	-2.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*914.75	124.6 QP			1.04 V	22	119.4	5.2
2	90.36	32.3 QP	43.5	-11.2	1.50 V	360	45.9	-13.6
3	154.21	29.6 QP	43.5	-13.9	1.00 V	52	37.2	-7.6
4	250.04	31.8 QP	46.0	-14.2	2.00 V	350	40.7	-8.9
5	333.03	30.9 QP	46.0	-15.1	1.50 V	228	36.7	-5.8
6	375.17	34.9 QP	46.0	-11.1	1.50 V	88	39.9	-5.0
7	500.21	33.9 QP	46.0	-12.1	1.50 V	360	35.9	-2.0

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.5 QP			1.34 H	332	120.2	5.3
2	108.81	33.6 QP	43.5	-9.9	2.00 H	242	44.4	-10.8
3	155.64	29.2 QP	43.5	-14.3	2.00 H	73	36.8	-7.6
4	250.04	31.6 QP	46.0	-14.4	1.50 H	305	40.5	-8.9
5	332.86	31.1 QP	46.0	-14.9	1.00 H	50	36.9	-5.8
6	375.15	33.1 QP	46.0	-12.9	2.00 H	30	38.1	-5.0
7	500.23	30.7 QP	46.0	-15.3	1.50 H	360	32.7	-2.0
8	928.00	56.2 QP	105.5	-49.3	1.34 H	332	50.9	5.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*927.25	125.4 QP			1.04 V	14	120.1	5.3
2	90.38	32.6 QP	43.5	-10.9	1.00 V	360	46.2	-13.6
3	106.73	33.0 QP	43.5	-10.5	1.00 V	360	44.1	-11.1
4	154.23	30.5 QP	43.5	-13.0	1.00 V	69	38.1	-7.6
5	250.02	31.4 QP	46.0	-14.6	1.00 V	360	40.3	-8.9
6	375.17	34.6 QP	46.0	-11.4	1.50 V	104	39.6	-5.0
7	500.21	33.8 QP	46.0	-12.2	1.00 V	360	35.8	-2.0
8	928.00	56.1 QP	105.4	-49.3	1.04 V	14	50.8	5.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.

Above 1GHz Data:

CHANNEL	TX Channel 0	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	44.4 PK	74.0	-29.6	2.00 H	193	46.4	-2.0
2	2708.25	39.4 AV	54.0	-14.6	2.00 H	193	41.4	-2.0
3	3611.00	45.4 PK	74.0	-28.6	1.75 H	134	46.1	-0.7
4	3611.00	39.0 AV	54.0	-15.0	1.75 H	134	39.7	-0.7
5	4513.75	53.0 PK	74.0	-21.0	1.58 H	86	52.2	0.8
6	4513.75	47.2 AV	54.0	-6.8	1.58 H	86	46.4	0.8
7	5416.50	46.1 PK	74.0	-27.9	1.85 H	260	43.6	2.5
8	5416.50	35.4 AV	54.0	-18.6	1.85 H	260	32.9	2.5
9	#7222.00	50.0 PK	74.0	-24.0	1.46 H	224	42.1	7.9
10	#7222.00	39.1 AV	54.0	-14.9	1.46 H	224	31.2	7.9
11	8124.75	44.5 PK	74.0	-29.5	2.87 H	87	35.8	8.7
12	8124.75	34.3 AV	54.0	-19.7	2.87 H	87	25.6	8.7
13	9027.50	42.6 PK	74.0	-31.4	1.39 H	145	33.3	9.3
14	9027.50	33.5 AV	54.0	-20.5	1.39 H	145	24.2	9.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2708.25	39.2 PK	74.0	-34.8	1.57 V	170	41.2	-2.0
2	2708.25	32.0 AV	54.0	-22.0	1.57 V	170	34.0	-2.0
3	3611.00	42.2 PK	74.0	-31.8	2.05 V	133	42.9	-0.7
4	3611.00	33.5 AV	54.0	-20.5	2.05 V	133	34.2	-0.7
5	4513.75	51.4 PK	74.0	-22.6	2.57 V	336	50.6	0.8
6	4513.75	43.0 AV	54.0	-11.0	2.57 V	336	42.2	0.8
7	5416.50	40.8 PK	74.0	-33.2	1.61 V	164	38.3	2.5
8	5416.50	30.0 AV	54.0	-24.0	1.61 V	164	27.5	2.5
9	#7222.00	49.0 PK	74.0	-25.0	1.67 V	39	41.1	7.9
10	#7222.00	36.8 AV	54.0	-17.2	1.67 V	39	28.9	7.9
11	8124.75	44.9 PK	74.0	-29.1	1.80 V	74	36.2	8.7
12	8124.75	33.6 AV	54.0	-20.4	1.80 V	74	24.9	8.7
13	9027.50	47.4 PK	74.0	-26.6	1.52 V	152	38.1	9.3
14	9027.50	36.7 AV	54.0	-17.3	1.52 V	152	27.4	9.3

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 24	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	43.8 PK	74.0	-30.2	2.08 H	180	45.7	-1.9
2	2744.25	39.2 AV	54.0	-14.8	2.08 H	180	41.1	-1.9
3	3659.00	45.6 PK	74.0	-28.4	1.73 H	121	46.2	-0.6
4	3659.00	38.8 AV	54.0	-15.2	1.73 H	121	39.4	-0.6
5	4573.75	53.7 PK	74.0	-20.3	1.51 H	91	52.6	1.1
6	4573.75	47.9 AV	54.0	-6.1	1.51 H	91	46.8	1.1
7	#5488.50	46.1 PK	74.0	-27.9	1.81 H	260	43.6	2.5
8	#5488.50	35.2 AV	54.0	-18.8	1.81 H	260	32.7	2.5
9	7318.00	50.4 PK	74.0	-23.6	1.50 H	207	42.6	7.8
10	7318.00	39.1 AV	54.0	-14.9	1.50 H	207	31.3	7.8
11	8232.75	44.5 PK	74.0	-29.5	2.86 H	63	36.3	8.2
12	8232.75	34.4 AV	54.0	-19.6	2.86 H	63	26.2	8.2
13	9147.50	43.4 PK	74.0	-30.6	1.38 H	168	33.6	9.8
14	9147.50	34.2 AV	54.0	-19.8	1.38 H	168	24.4	9.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2744.25	39.0 PK	74.0	-35.0	1.66 V	162	40.9	-1.9
2	2744.25	32.2 AV	54.0	-21.8	1.66 V	162	34.1	-1.9
3	3659.00	42.5 PK	74.0	-31.5	2.00 V	113	43.1	-0.6
4	3659.00	33.9 AV	54.0	-20.1	2.00 V	113	34.5	-0.6
5	4573.75	51.0 PK	74.0	-23.0	2.48 V	315	49.9	1.1
6	4573.75	42.5 AV	54.0	-11.5	2.48 V	315	41.4	1.1
7	#5488.50	42.0 PK	74.0	-32.0	1.54 V	162	39.5	2.5
8	#5488.50	30.7 AV	54.0	-23.3	1.54 V	162	28.2	2.5
9	7318.00	49.1 PK	74.0	-24.9	1.60 V	41	41.3	7.8
10	7318.00	36.8 AV	54.0	-17.2	1.60 V	41	29.0	7.8
11	8232.75	44.7 PK	74.0	-29.3	1.79 V	81	36.5	8.2
12	8232.75	33.5 AV	54.0	-20.5	1.79 V	81	25.3	8.2
13	9147.50	47.7 PK	74.0	-26.3	1.54 V	148	37.9	9.8
14	9147.50	36.7 AV	54.0	-17.3	1.54 V	148	26.9	9.8

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) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 49	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 10GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	43.6 PK	74.0	-30.4	2.04 H	187	45.6	-2.0
2	2781.75	38.8 AV	54.0	-15.2	2.04 H	187	40.8	-2.0
3	3709.00	44.7 PK	74.0	-29.3	1.71 H	127	45.2	-0.5
4	3709.00	38.5 AV	54.0	-15.5	1.71 H	127	39.0	-0.5
5	4636.25	52.7 PK	74.0	-21.3	1.54 H	96	51.3	1.4
6	4636.25	47.1 AV	54.0	-6.9	1.54 H	96	45.7	1.4
7	#5563.50	45.7 PK	74.0	-28.3	1.85 H	256	42.9	2.8
8	#5563.50	34.9 AV	54.0	-19.1	1.85 H	256	32.1	2.8
9	7418.00	50.0 PK	74.0	-24.0	1.48 H	212	42.0	8.0
10	7418.00	39.0 AV	54.0	-15.0	1.48 H	212	31.0	8.0
11	8345.25	44.5 PK	74.0	-29.5	2.76 H	90	36.2	8.3
12	8345.25	34.1 AV	54.0	-19.9	2.76 H	90	25.8	8.3
13	#9272.50	42.8 PK	74.0	-31.2	1.34 H	165	32.5	10.3
14	#9272.50	33.6 AV	54.0	-20.4	1.34 H	165	23.3	10.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2781.75	39.7 PK	74.0	-34.3	1.61 V	157	41.7	-2.0
2	2781.75	32.8 AV	54.0	-21.2	1.61 V	157	34.8	-2.0
3	3709.00	42.7 PK	74.0	-31.3	2.00 V	142	43.2	-0.5
4	3709.00	34.0 AV	54.0	-20.0	2.00 V	142	34.5	-0.5
5	4636.25	50.8 PK	74.0	-23.2	2.48 V	309	49.4	1.4
6	4636.25	42.4 AV	54.0	-11.6	2.48 V	309	41.0	1.4
7	#5563.50	41.5 PK	74.0	-32.5	1.54 V	179	38.7	2.8
8	#5563.50	30.7 AV	54.0	-23.3	1.54 V	179	27.9	2.8
9	7418.00	48.8 PK	74.0	-25.2	1.68 V	44	40.8	8.0
10	7418.00	36.8 AV	54.0	-17.2	1.68 V	44	28.8	8.0
11	8345.25	44.9 PK	74.0	-29.1	1.85 V	68	36.6	8.3
12	8345.25	33.7 AV	54.0	-20.3	1.85 V	68	25.4	8.3
13	#9272.50	48.2 PK	74.0	-25.8	1.43 V	149	37.9	10.3
14	#9272.50	37.1 AV	54.0	-16.9	1.43 V	149	26.8	10.3

REMARKS:

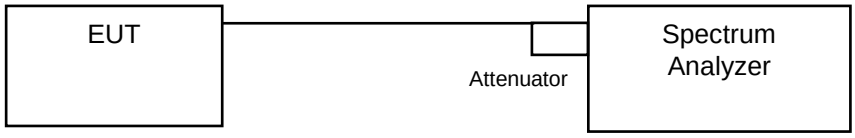
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.2 Maximum Output Power

4.2.1 Limits of Maximum Output Power Measurement

CONDITION	OUTPUT POWER	APPLICATION
hopping channels ≧50	1 W	v
hopping channels ≧25 & ≦50	0.25W	x

4.2.2 Test Setup



4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedure

a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.

c. The center frequency of the spectrum analyzer is set to the fundamental frequency and using 3MHz RBW and 8MHz VBW.

d. Measure the captured power within the band and recording the plot.

e. Repeat above procedures until all frequencies required were complete.

4.2.5 Deviation from Test Standard

No deviation.

4.2.6 EUT Operating Condition

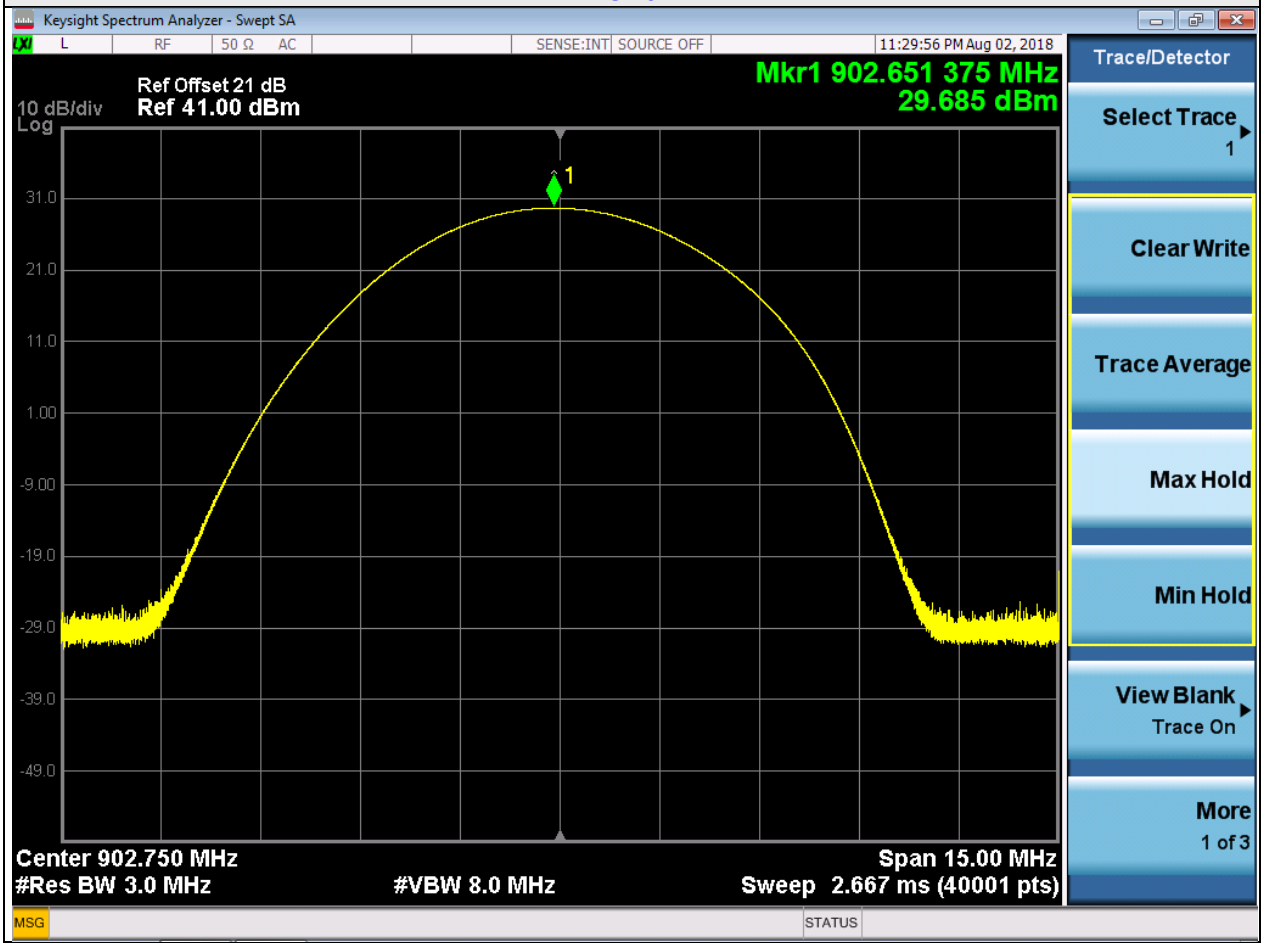
The software provided by client enabled the EUT to transmit and receive data at lowest and highest channel frequencies individually.

4.2.7 Test Results (Mode 1)

Channel	Frequency (MHZ)	Output Power (mW)	Output Power (dBm)	Power Limit (mW)	Pass / Fail
0	902.75	931.108	29.69	30.00	Pass
24	914.75	860.994	29.35	30.00	Pass
49	927.25	849.18	29.29	30.00	Pass

Spectrum Plot of Worst Value

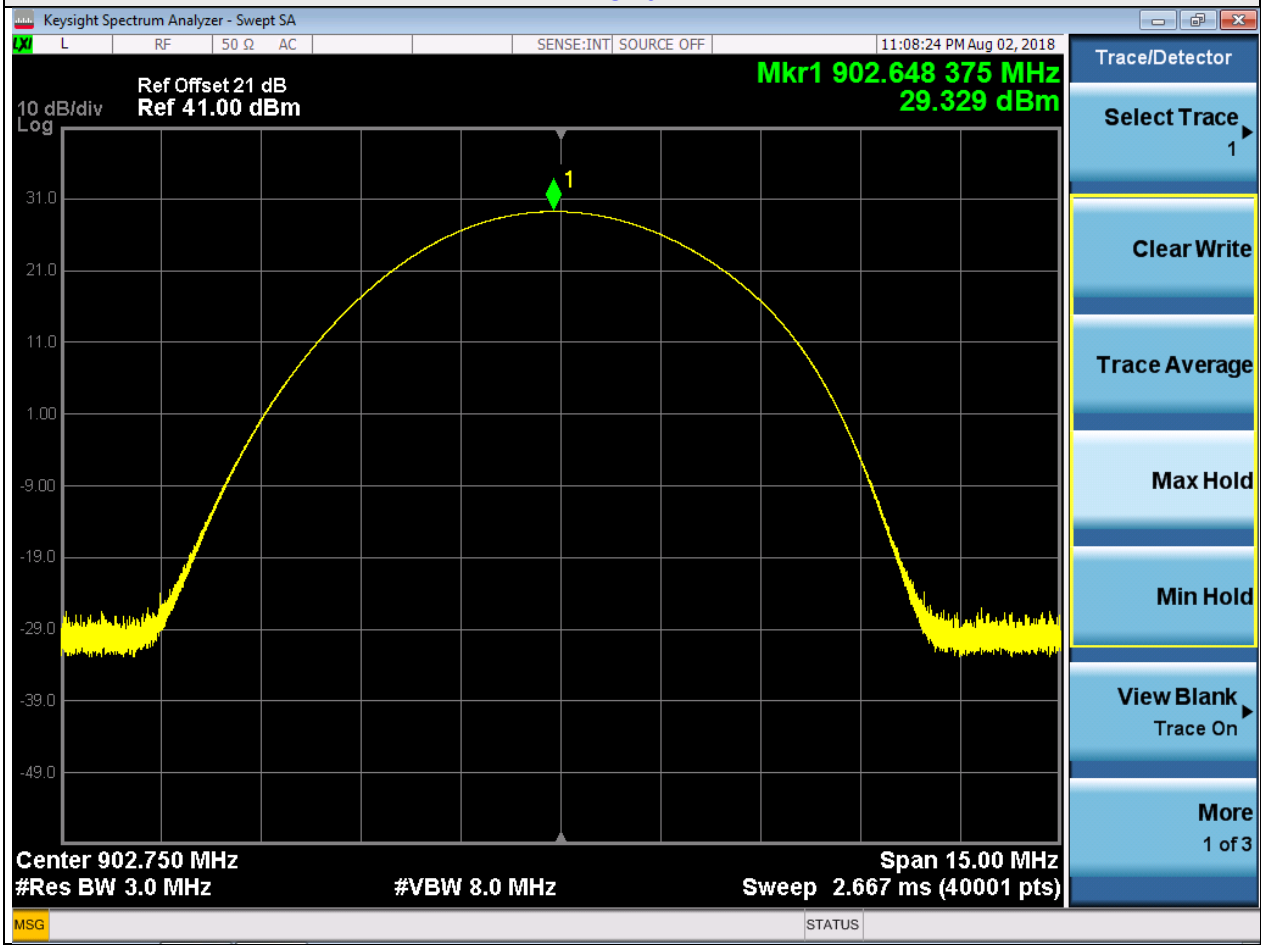
CH0



4.2.8 Test Results (Mode 2)

Channel	Frequency (MHZ)	Output Power (mW)	Output Power (dBm)	Power Limit (mW)	Pass / Fail
0	902.75	857.038	29.33	30.00	Pass
24	914.75	827.942	29.18	30.00	Pass
49	927.25	826.038	29.17	30.00	Pass

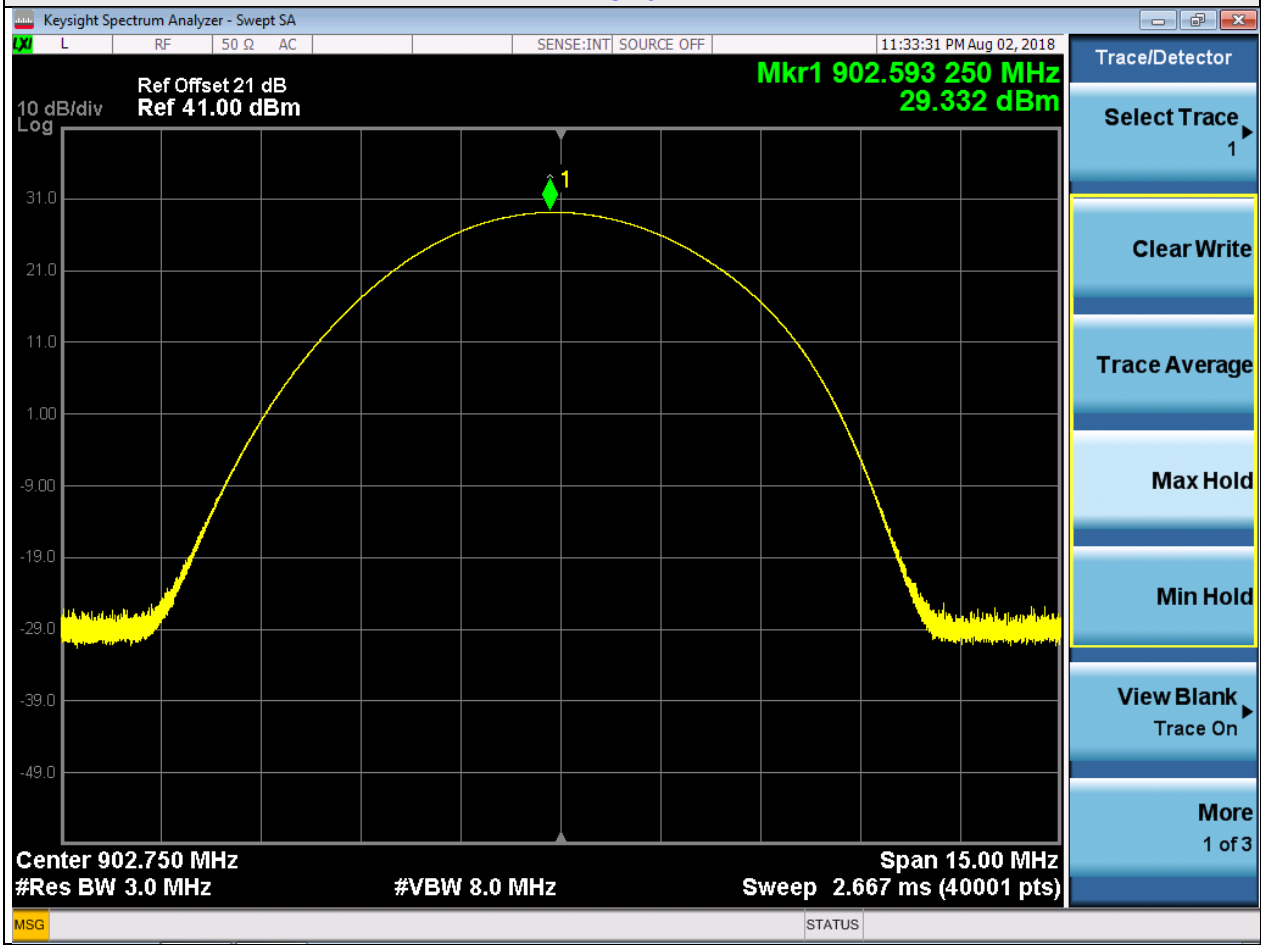
Spectrum Plot of Worst Value
CH0



4.2.9 Test Results (Mode 3)

Channel	Frequency (MHZ)	Output Power (mW)	Output Power (dBm)	Power Limit (mW)	Pass / Fail
0	902.75	857.038	29.33	30.00	Pass
24	914.75	847.227	29.28	30.00	Pass
49	927.25	845.279	29.27	30.00	Pass

Spectrum Plot of Worst Value
CH0



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linkou EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab
Tel: 886-3-6668565
Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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