

FCC Test Report (WLAN)

Report No.: RF170912E01A

FCC ID: 2AHBN-AP61

Test Model: AP61E

Series Model: AP61

Received Date: Sep. 14, 2017

Test Date: Oct. 05 to Nov. 02, 2017

Issued Date: Nov. 16, 2017

Applicant: Mist Systems, Inc.

Address: 1601 South De Anza Blvd. Suite 248 Cupertino California United States

95014

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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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 /

723255 / TW2022 **Designation Number:**





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Release Control Record

Issue No.	Description	Date Issued
RF170912E01A	Original release.	Nov. 16, 2017

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Report No.: RF170912E01A Reference No.: 170912E02



Certificate of Conformity 1

Product: Premium Outdoor Wi-Fi & BLE Array AP

Brand: Mist

Test Model: AP61E

Series Model: AP61

Sample Status: ENGINEERING SAMPLE

Applicant: Mist Systems, Inc.

Test Date: Oct. 05 to Nov. 02, 2017

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: ______, Date: ______, Nov. 16, 2017 Wendy Wu / Specialist

Approved by: **Date:** Nov. 16, 2017

May Chen / Manager



2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (SECTION 15.247)								
FCC Clause	Test Item	Result	Remarks					
15.205 / 15.209 / 15.247(d)	Radiated Emissions and Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -1.1dB at 2390.00MHz,					
15.247(b)	Conducted power	PASS	Meet the requirement of limit.					

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	5.32 dB
	1GHz ~ 6GHz	5.14 dB
Radiated Emissions above 1 GHz	6GHz ~ 18GHz	5.04 dB
	18GHz ~ 40GHz	5.25 dB

2.2 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT (WLAN)

Product	Premium Outdoor Wi-Fi & BLE Array AP
Brand	Mist
Test Model	AP61E
Series Model	AP61
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	802.3at (50-57Vdc)
117	CCK, DQPSK, DBPSK for DSSS
Modulation Type	64QAM, 16QAM, QPSK, BPSK for OFDM
	256QAM for OFDM in 11ac mode and VHT (20/40) mode in 2.4GHz
Modulation Technology	DSSS, OFDM
	802.11b: up to 11Mbps
Transfer Rate	802.11a/g: up to 54Mbps
Transfer Rate	802.11n: up to 600Mbps
	802.11ac: up to 1733.3Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.462GHz 5GHz: 5.18~ 5.24GHz, 5.745 ~ 5.825GHz
	2.4GHz:
	802.11b, 802.11g, 802.11n (HT20), VHT20: 11
	802.11n (HT40), VHT40: 7
Number of Channel	5GHz:
	802.11a, 802.11n (HT20), 802.11ac (VHT20): 9
	802.11n (HT40), 802.11ac (VHT40): 4
	802.11ac (VHT80): 2
	2.4GHz:
	1TX: 192.752mW CDD Mode:
	4TX: 564.245mW
	3TX: 436.789mW
	2TX: 315.176mW
	Beamforming Mode:
	4TX: 198.072mW
	3TX: 299.686mW
	2TX: 342.424mW 5GHz:
	5.18 ~ 5.24GHz:
	1TX: 36.728mW
	CDD Mode:
	4TX: 39.684mW
Output Power	3TX: 34.437mW
	2TX: 34.126mW
	Beamforming Mode: 4TX: 9.661mW
	3TX: 11.484mW
	2TX: 18.514mW
	5.745 ~ 5.825GHz:
	1TX: 222.844mW
	CDD Mode:
	4TX: 864.747mW 3TX: 671.55mW
	2TX: 436.587mW
	Beamforming Mode:
	4TX: 290.382mW
	3TX: 357.833mW
	2TX: 467.187mW



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 permissive change. The difference compared with the Report No.: RF170912E01 as the following:

♦ Added new model as following table:

Original			Difference
Product	Brand	Model	
Premium Outdoor Wi-Fi &	Mist	AP61	1. Internal Antenna
BLE Array AP	IVIISt		For marketing purpose
Newly			
Product	Brand	Model	
Premium Outdoor Wi-Fi &	Mist	AP61E	External Antenna
BLE Array AP	IVIISL	AFUIL	For marketing purpose

2. According to above condition, for newly model, only Radiated Emissions and Band Edge Measurement and Conducted power need to be performed. And all data were verified to meet the requirements.

3. There are WLAN and Bluetooth technology used for the EUT. The EUT has three radios as following table:

Radio 1	Radio 2	Radio 3	
WLAN - 2.4GHz + 5GHz	(Scanning Radio) WLAN RX only - 2.4GHz + 5GHz	Bluetooth	

4. Simultaneously transmission condition.

Condition	Techn	ology				
1	WLAN 2.4GHz (Radio 1)	Bluetooth(Radio 3)				
2	WLAN 5GHz (Radio 1)	Bluetooth(Radio 3)				
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found						

5. The EUT must be supplied with a POE (only for test not for sale) as following table:

Brand	Model No.	Spec.
Microsemi	IPD-9001GR/AT/AC	Input: 100-240Vac, 50/60Hz, 0.67A
Microserii		Output: 55Vdc, 0.6A



6. The antennas provided to the EUT, please refer to the following table:

The antennas pro For Model No.: AP6		i, piea	se reier to t	irie iollowin	ig table:			
FOI WIOGEI NO AFO		M/L AN	1 - 2 4CHz	ı 5GUz (In	tornala	entonna)		
Antenna Set	Transmitter Circuit			Frequency (GHz	Range Antenna Typ		e Connecter Type	
			3.87 4.94	2.4~2.4 5.15~5	835		71 -	
	Chain (0)		4.66 4.25	5.25~5 5.47~5	5.35	PIFA	i-pex(MHF)	
			4.42	5.725~				
			3.91	2.4~2.4	1835			
			4.23	5.15~5				
	Chain (1)		4.54	5.25~5	5.35	PIFA	i-pex(MHF)	
			4.66	5.47~5.				
1			4.70	5.725~				
		3.93 4.53		2.4~2.4835 5.15~5.25				
	Chain (2)	4.86		5.25~5.35		PIFA	i-pex(MHF)	
		4.95		5.47~5.725				
		4.94		5.725~5.85				
	_	3.81		2.4~2.4835				
		4.50		5.15~5.25				
	Chain (3)	4.92		5.25~5.35		PIFA	i-pex(MHF)	
		4.71 4.90		5.47~5.725 5.725~5.85				
R	adio 2- WLAN I					radio antenn	 a)	
Antenna No.	Antenna Net Gain (ì	Frequenc	cy Range		enna Type	Connecter Type	
	3.85		2.4~2	2.4835				
	4.61			-5.25				
1	4.71		5.25~5.35		PIFA		i-pex(MHF)	
	4.72		5.47~5.725 5.725~5.85		-			
	4.73			~5.85 Bluetooth				
Antenna No.	Antenna Net Gain (Frequency Range (GHz)		Antenna Type		Connecter Type	
1	3.56	-	2.4~2	.4835		Omni	i-pex(MHF)	
2	5.01		2.4~2	.4835		Patch	i-pex(MHF)	



For Model N	No.: AP61E						
		Radio 1	- WLAN - 2.4GHz +	5GHz (Exte	rnal antenna	a)	
Antenna Set	Transmitter Circuit	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
	Chain (0)	PCTEL	FPMI2458-DP4NM	6 5 5 5 5	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Sector	N-Type
	Chain (1)	PCTEL	FPMI2458-DP4NM	6 5 5 5 5	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Sector	N-Type
1	Chain (2)	PCTEL	FPMI2458-DP4NM	6 5 5 5 5	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Sector	N-Type
	Chain (3)	PCTEL	FPMI2458-DP4NM	6 5 5 5 5	2.4~2.4835 5.15~5.25 5.25~5.35 5.47~5.725 5.725~5.85	Sector	N-Type
Antenna Set	Transmitter Circuit	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
	Chain (0)	PCTEL	MPMI2458-4-NM	4 4 4 4 4	2.4~2.4835 5.15~5.25	Omnidirectional	N-Type
	Chain (1)	PCTEL	MPMI2458-4-NM	4 4 4 4 4	2.4~2.4835 5.15~5.25	Omnidirectional	N-Type
2	Chain (2)	PCTEL	MPMI2458-4-NM	4 4 4 4	2.4~2.4835 5.15~5.25	Omnidirectional	N-Type
	Chain (3)	PCTEL	MPMI2458-4-NM	4 4 4 4	2.4~2.4835 5.15~5.25	Omnidirectional	N-Type



Radio 2 - WLAN RX only - 2.4GHz + 5GHz (Scanning radio antenna)							
Antenna No.	Transmitter Circuit	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type		
		3.85	2.4~2.4835				
		4.61	5.15~5.25		i-pex(MHF)		
1	Chain (0)	4.71	5.25~5.35	PIFA			
		4.72	5.47~5.725				
		4.73	5.725~5.85				
		Radio 3 -	Bluetooth				
Antenna No.	Transmitter Circuit	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type		
1	Chain (0)	3.56	2.4~2.4835	Omni	i-pex(MHF)		
2	Chain (1)	5.01	2.4~2.4835	Patch	i-pex(MHF)		

Note:

Max. gain was selected for Antenna Port Conducted Measurement test.
 For antennas of radio 2 & 3, Model No.: AP61 is as same as AP61E.



7. The EUT incorporates a MIMO function:

MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION		
802.11b	1 ~ 11Mbps	4TX	4RX	
802.11g	6 ~ 54Mbps	4TX	4RX	
	MCS 0~7	4TX	4RX	
000 445 (UT00)	MCS 8~15	4TX	4RX	
802.11n (HT20)	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	MCS 0~7	4TX	4RX	
000 445 (UT40)	MCS 8~15	4TX	4RX	
802.11n (HT40)	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	MCS 0~7	4TX	4RX	
VIITOO	MCS 8~15	4TX	4RX	
VHT20	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	MCS 0~7	4TX	4RX	
V/UT 40	MCS 8~15	4TX	4RX	
VHT40	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	5GI	Iz Band		
ODULATION MODE	DATA RATE (MCS)	TX & RX CON	IFIGURATION	
802.11a	6 ~ 54Mbps	4TX	4RX	
	MCS 0~7	4TX	4RX	
802.11n (HT20)	MCS 8~15	4TX	4RX	
002.1111 (F120)	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	MCS 0~7	4TX	4RX	
902 44m (UT40)	MCS 8~15	4TX	4RX	
802.11n (HT40)	MCS 16~23	4TX	4RX	
	MCS 24~31	4TX	4RX	
	MCS 0~8, Nss=1	4TX	4RX	
802.11ac (VHT20)	MCS 0~8, Nss=2	4TX	4RX	
002.11ac (VII120)	MCS 0~9, Nss=3	4TX	4RX	
	MCS 0~8, Nss=4	4TX	4RX	
	MCS 0~9, Nss=1	4TX	4RX	
902 11aa (\/UT40\	MCS 0~9, Nss=2	4TX	4RX	
802.11ac (VHT40)	MCS 0~9, Nss=3	4TX	4RX	
	MCS 0~9, Nss=4	4TX	4RX	
	MCS 0~9, Nss=1	4TX	4RX	
902 11aa (\/UT90\	MCS 0~9, Nss=2	4TX	4RX	
802.11ac (VHT80)	MCS 0~9, Nss=3	4TX	4RX	
	MCS 0~9, Nss=4	4TX	4RX	

Note:

- 1. All of modulation mode support beamforming function except 802.11a/b/g modulation mode.
- 2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
- 8. 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**

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20), VHT20:

Channel	Frequency	Channel	Frequency
1	2412MHz	7	2442MHz
2	2417MHz	8	2447MHz
3	2422MHz	9	2452MHz
4	2427MHz	10	2457MHz
5	2432MHz	11	2462MHz
6	2437MHz		

7 channels are provided for 802.11n (HT40), VHT40:

Channel	Frequency	Channel	Frequency
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz		

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3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE		APPLICABLE TO		DESCRIPTION
MODE	RE≥1G	RE<1G	APCM	DESCRIPTION
1	√	√	\checkmark	4TX Mode
2	√	√	√	3TX Mode
3	√	√	√	2TX Mode
4	V	V	V	1TX Mode

Where

RE≥1G: Radiated Emission above 1GHz &

Bandedge Measurement

RE<1G: Radiated Emission below 1GHz

APCM: Antenna Port Conducted Measurement

NOTE: "-"means no effect.

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.

	4TX/3TX/2TX-CDD Mode						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)		
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1		
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6		
	4	4TX/3TX/2TX-Bea	mforming Mode				
MODE	AVAILABLE	TESTED	MODULATION	MODULATION	DATA RATE		
MODE	CHANNEL	CHANNEL	TECHNOLOGY	TYPE	(Mbps)		
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5		
802.11n (HT40)	3 to 9	3, 6, 9	OFDM	BPSK	13.5		
		1T.	X				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)		
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1		
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6		
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5		
802.11n (HT40)	3 to 9	3, 6, 9	OFDM	BPSK	13.5		

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.

4TX/3TX/2TX/1TX-CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240 5745-5825	36 to 48 149 to 165	149	OFDM	BPSK	6

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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.

	4TX/3TX/2TX-CDD Mode						
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)		
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1		
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6		
	4	ITX/3TX/2TX-Bea	mforming Mode				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)		
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5		
802.11n (HT40)	3 to 9	3, 6, 9	OFDM	BPSK	13.5		
		1T.	X				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)		
802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1		
802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6		
802.11n (HT20)	1 to 11	1, 6, 11	OFDM	BPSK	6.5		
802.11n (HT40)	3 to 9	3, 6, 9	OFDM	BPSK	13.5		

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	23deg. C, 68%RH	120Vac, 60Hz	Rey chen
RE<1G 24deg. C, 68%RH		120Vac, 60Hz	Weiwei Lo
APCM	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng

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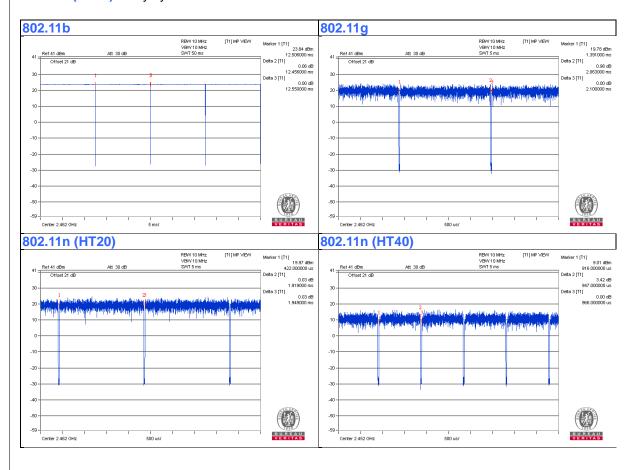


3.3 Duty Cycle of Test Signal

If duty cycle of test signal is ≥ 98 %, duty factor is not required.

802.11b: Duty cycle = 12.456/12.55 = 0.993 **802.11g:** Duty cycle = 2.063/2.1 = 0.982

802.11n (HT20): Duty cycle = 1.919/1.949 = 0.985 **802.11n (HT40):** Duty cycle = 0.947/0.966 = 0.98





3.4 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.	Laptop	DELL	E6420	482T3R1	FCC DoC	Provided by Lab
C.	PoE	Microsemi	PD-9001GR/AT/AC	NA	NA	Supplied by client

Note:

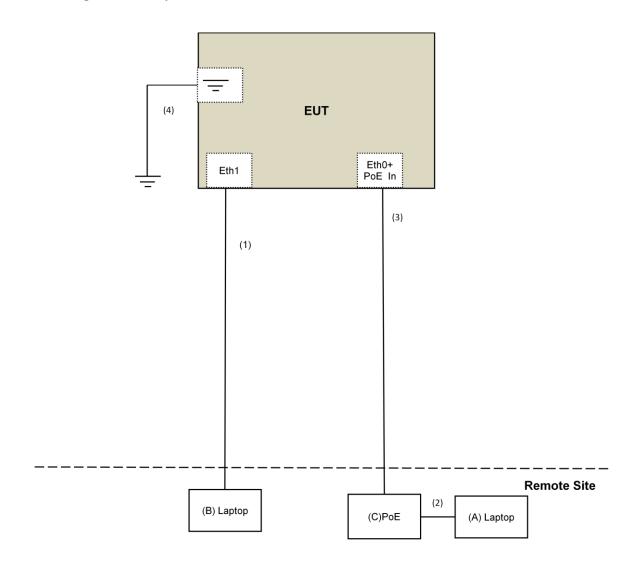
1. All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	RJ-45 Cable	1	3	No	0	Provided by Lab
3.	RJ-45 Cable	1	10	No	0	Provided by Lab
4.	Earth Cable	1	3	No	0	Provided by Lab

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3.4.1 Configuration of System under Test





3.5 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)
KDB 558074 D01 DTS Meas Guidance v04
KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

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

NOTE: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

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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 30dB 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.

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4.1.2 Test Instruments

DESCRIPTION &	MODEL NO.	SERIAL NO.	CALIBRATED	CALIBRATED
MANUFACTURER	MODEL NO.	OLIVIAL IVO.	DATE	UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier ^(*) EMCI	EMC001340	980142	Jan. 20, 2016	Jan. 19, 2018
Loop Antenna ^(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 17, 2017	Jan. 16, 2018
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 06, 2017	May 05, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Dec. 29, 2016	Dec. 28, 2017
RF Cable	8D	966-3-1 966-3-2 966-3-3	Apr. 01, 2017	Mar. 31, 2018
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 28, 2016	Dec. 27, 2017
Pre-Amplifier EMCI	EMC12630SE	980384	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160922 150317 150322	Feb. 02, 2017 Mar. 29, 2017 Mar. 29, 2017	Feb. 01, 2018 Mar. 28, 2018 Mar. 28, 2018
Spectrum Analyzer Keysight	N9030A	MY54490679	July 25, 2017	July 24, 2018
Pre-Amplifier EMCI	EMC184045SE	980386	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
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	July 1, 2017	June 30, 2018
Power meter Anritsu	ML2495A	1014008	May 11, 2017	May 10, 2018
Power sensor Anritsu	MA2411B	0917122	May 11, 2017	May 10, 2018



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 Loop antenna was used for all emissions below 30 MHz.
- 5 The CANADA Site Registration No. is 20331-1.
- 6 Tested Date: Oct. 05 to Nov. 02, 2017.

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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 X and Y axes 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 1MHz and the video bandwidth is ≥ 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.

4.1.4 Deviation from Test Standard

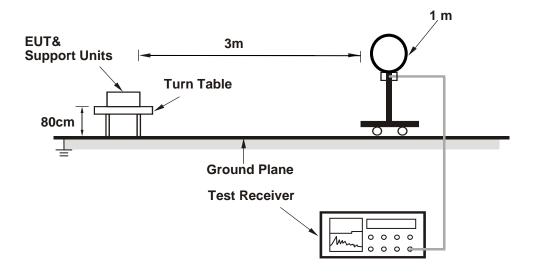
No deviation.

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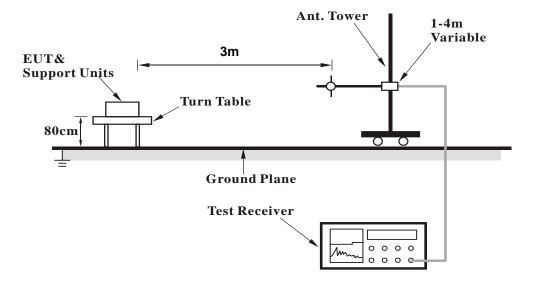


4.1.5 Test Setup

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. Connected the EUT with the Laptop which is placed on remote site.
- b. Controlling software (Mtool_2_0_0_7) has been activated to set the EUT on specific status.

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4.1.7 Test Results (Mode 1)

Sector Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	60.5 PK	74.0	-13.5	1.46 H	351	62.1	-1.6	
2	2390.00	48.9 AV	54.0	-5.1	1.46 H	351	50.5	-1.6	
3	*2412.00	119.2 PK			1.46 H	351	120.7	-1.5	
4	*2412.00	116.9 AV			1.46 H	351	118.4	-1.5	
5	4824.00	42.6 PK	74.0	-31.4	1.46 H	30	39.6	3.0	
6	4824.00	40.8 AV	54.0	-13.2	1.46 H	30	37.8	3.0	
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ.	EMISSION LEVEL	LIMIT (dRu)//m)	MARGIN (dB)	ANTENNA HEIGHT	TABLE ANGLE	RAW VALUE	CORRECTION FACTOR	

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	2390.00	59.1 PK	74.0	-14.9	3.09 V	31	60.7	-1.6
2	2390.00	47.1 AV	54.0	-6.9	3.09 V	31	48.7	-1.6
3	*2412.00	116.0 PK			3.09 V	31	117.5	-1.5
4	*2412.00	113.7 AV			3.09 V	31	115.2	-1.5
5	4824.00	42.2 PK	74.0	-31.8	2.70 V	332	39.2	3.0
6	4824.00	40.0 AV	54.0	-14.0	2.70 V	332	37.0	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	121.7 PK			1.41 H	360	123.2	-1.5	
2	*2437.00	119.4 AV			1.41 H	360	120.9	-1.5	
3	4874.00	42.9 PK	74.0	-31.1	1.49 H	45	39.7	3.2	
4	4874.00	41.1 AV	54.0	-12.9	1.49 H	45	37.9	3.2	
5	7311.00	40.8 PK	74.0	-33.2	1.38 H	24	31.9	8.9	
6	7311.00	33.7 AV	54.0	-20.3	1.38 H	24	24.8	8.9	
		ANTENNA	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	118.5 PK			3.03 V	23	120.0	-1.5	
2	*2437.00	116.2 AV			3.03 V	23	117.7	-1.5	
3	4874.00	42.5 PK	74.0	-31.5	2.75 V	347	39.3	3.2	
4	4874.00	40.8 AV	54.0	-13.2	2.75 V	347	37.6	3.2	
5	7311.00	39.9 PK	74.0	-34.1	1.72 V	59	31.0	8.9	
6	7311.00	32.9 AV	54.0	-21.1	1.72 V	59	24.0	8.9	

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AITOL	7112 10 2001 12				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	STANCE: HO	RIZONTAL	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	*2462.00	118.9 PK			1.44 H	346	120.3	-1.4
2	*2462.00	116.6 AV			1.44 H	346	118.0	-1.4
3	2483.50	57.4 PK	74.0	-16.6	1.44 H	346	58.8	-1.4
4	2483.50	46.5 AV	54.0	-7.5	1.44 H	346	47.9	-1.4
5	4924.00	42.6 PK	74.0	-31.4	1.49 H	49	39.3	3.3
6	4924.00	40.6 AV	54.0	-13.4	1.49 H	49	37.3	3.3
7	7386.00	41.4 PK	74.0	-32.6	1.40 H	19	32.3	9.1
8	7386.00	34.0 AV	54.0	-20.0	1.40 H	19	24.9	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	115.7 PK			3.12 V	34	117.1	-1.4
2	*2462.00	113.4 AV			3.12 V	34	114.8	-1.4
3	2483.50	56.0 PK	74.0	-18.0	3.12 V	34	57.4	-1.4
4	2483.50	44.7 AV	54.0	-9.3	3.12 V	34	46.1	-1.4
5	4924.00	42.3 PK	74.0	-31.7	2.74 V	334	39.0	3.3
6	4924.00	40.7 AV	54.0	-13.3	2.74 V	334	37.4	3.3
7	7386.00	39.7 PK	74.0	-34.3	1.69 V	66	30.6	9.1
8	7386.00	32.4 AV	54.0	-21.6	1.69 V	66	23.3	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	66.3 PK	74.0	-7.7	1.45 H	335	67.9	-1.6	
2	2390.00	48.6 AV	54.0	-5.4	1.45 H	335	50.2	-1.6	
3	*2412.00	117.1 PK			1.45 H	335	118.6	-1.5	
4	*2412.00	108.3 AV			1.45 H	335	109.8	-1.5	
5	4824.00	42.9 PK	74.0	-31.1	1.43 H	44	39.9	3.0	
6	4824.00	41.2 AV	54.0	-12.8	1.43 H	44	38.2	3.0	
	_	ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	60.0 PK	74.0	-14.0	1.59 V	341	61.6	-1.6
2	2390.00	45.3 AV	54.0	-8.7	1.59 V	341	46.9	-1.6
3	*2412.00	114.6 PK			1.59 V	341	116.1	-1.5
4	*2412.00	104.9 AV			1.59 V	341	106.4	-1.5
5	4824.00	42.9 PK	74.0	-31.1	2.75 V	331	39.9	3.0
6	4824.00	40.5 AV	54.0	-13.5	2.75 V	331	37.5	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	124.5 PK			1.48 H	353	126.0	-1.5			
2	*2437.00	114.5 AV			1.48 H	353	116.0	-1.5			
3	4874.00	43.5 PK	74.0	-30.5	1.51 H	52	40.3	3.2			
4	4874.00	41.5 AV	54.0	-12.5	1.51 H	52	38.3	3.2			
5	7311.00	40.9 PK	74.0	-33.1	1.40 H	9	32.0	8.9			
6	7311.00	33.7 AV	54.0	-20.3	1.40 H	9	24.8	8.9			
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	122.0 PK			1.63 V	351	123.5	-1.5			
2	*2437.00	112.0 AV			1.63 V	351	113.5	-1.5			
3	4874.00	42.6 PK	74.0	-31.4	2.75 V	349	39.4	3.2			
4	4874.00	40.8 AV	54.0	-13.2	2.75 V	349	37.6	3.2			
5	7311.00	40.5 PK	74.0	-33.5	1.75 V	70	31.6	8.9			
6	7311.00	33.3 AV	54.0	-20.7	1.75 V	70	24.4	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	, area	7112 200112	-				,
		ANTENNA	POLARITY :	& TEST DIS	STANCE: HO	PIZONTAI	АТЗМ	
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	*2462.00	118.4 PK			1.51 H	335	119.8	-1.4
2	*2462.00	108.6 AV			1.51 H	335	110.0	-1.4
3	2483.50	62.5 PK	74.0	-11.5	1.51 H	335	63.9	-1.4
4	2483.50	47.2 AV	54.0	-6.8	1.51 H	335	48.6	-1.4
5	4924.00	43.0 PK	74.0	-31.0	1.53 H	63	39.7	3.3
6	4924.00	40.9 AV	54.0	-13.1	1.53 H	63	37.6	3.3
7	7386.00	40.9 PK	74.0	-33.1	1.36 H	31	31.8	9.1
8	7386.00	33.7 AV	54.0	-20.3	1.36 H	31	24.6	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	115.9 PK			1.62 V	344	117.3	-1.4
2	*2462.00	106.1 AV			1.62 V	344	107.5	-1.4
3	2483.50	56.2 PK	74.0	-17.8	1.62 V	344	57.6	-1.4
4	2483.50	43.9 AV	54.0	-10.1	1.62 V	344	45.3	-1.4
5	4924.00	42.6 PK	74.0	-31.4	2.72 V	326	39.3	3.3
6	4924.00	40.9 AV	54.0	-13.1	2.72 V	326	37.6	3.3
7	7386.00	39.9 PK	74.0	-34.1	1.65 V	64	30.8	9.1
8	7386.00	32.4 AV	54.0	-21.6	1.65 V	64	23.3	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	72.9 PK	74.0	-1.1	1.49 H	343	74.5	-1.6			
2	2390.00	50.0 AV	54.0	-4.0	1.49 H	343	51.6	-1.6			
3	*2412.00	117.9 PK			1.49 H	343	119.4	-1.5			
4	*2412.00	107.3 AV			1.49 H	343	108.8	-1.5			
5	4824.00	43.1 PK	74.0	-30.9	1.41 H	43	40.1	3.0			
6	4824.00	41.2 AV	54.0	-12.8	1.41 H	43	38.2	3.0			
	_	ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	66.6 PK	74.0	-7.4	1.64 V	15	68.2	-1.6
2	2390.00	46.7 AV	54.0	-7.3	1.64 V	15	48.3	-1.6
3	*2412.00	115.4 PK			1.64 V	15	116.9	-1.5
4	*2412.00	104.8 AV			1.64 V	15	106.3	-1.5
5	4824.00	42.1 PK	74.0	-31.9	2.70 V	320	39.1	3.0
6	4824.00	39.8 AV	54.0	-14.2	2.70 V	320	36.8	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	122.4 PK			1.40 H	345	123.9	-1.5			
2	*2437.00	111.5 AV			1.40 H	345	113.0	-1.5			
3	4874.00	42.5 PK	74.0	-31.5	1.45 H	55	39.3	3.2			
4	4874.00	41.0 AV	54.0	-13.0	1.45 H	55	37.8	3.2			
5	7311.00	40.7 PK	74.0	-33.3	1.35 H	25	31.8	8.9			
6	7311.00	33.4 AV	54.0	-20.6	1.35 H	25	24.5	8.9			
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	119.9 PK			1.63 V	12	121.4	-1.5			
2	*2437.00	109.0 AV			1.63 V	12	110.5	-1.5			
3	4874.00	42.4 PK	74.0	-31.6	2.69 V	332	39.2	3.2			
4	4874.00	40.8 AV	54.0	-13.2	2.69 V	332	37.6	3.2			
5	7311.00	40.3 PK	74.0	-33.7	1.75 V	63	31.4	8.9			
6	7311.00	33.2 AV	54.0	-20.8	1.75 V	63	24.3	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AITOL	7112 10 2001 12					,
		ANTENNA	POLARITY 8	& TEST DIS	STANCE: HO	RIZONTAL	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	*2462.00	118.7 PK			1.50 H	360	120.1	-1.4
2	*2462.00	108.5 AV			1.50 H	360	109.9	-1.4
3	2483.50	62.3 PK	74.0	-11.7	1.50 H	360	63.7	-1.4
4	2483.50	47.1 AV	54.0	-6.9	1.50 H	360	48.5	-1.4
5	4924.00	42.2 PK	74.0	-31.8	1.48 H	44	38.9	3.3
6	4924.00	40.5 AV	54.0	-13.5	1.48 H	44	37.2	3.3
7	7386.00	41.2 PK	74.0	-32.8	1.41 H	28	32.1	9.1
8	7386.00	33.8 AV	54.0	-20.2	1.41 H	28	24.7	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	116.2 PK			1.68 V	25	117.6	-1.4
2	*2462.00	106.0 AV			1.68 V	25	107.4	-1.4
3	2483.50	56.0 PK	74.0	-18.0	1.68 V	25	57.4	-1.4
4	2483.50	43.8 AV	54.0	-10.2	1.68 V	25	45.2	-1.4
5	4924.00	42.3 PK	74.0	-31.7	2.70 V	327	39.0	3.3
6	4924.00	40.8 AV	54.0	-13.2	2.70 V	327	37.5	3.3
7	7386.00	39.2 PK	74.0	-34.8	1.67 V	53	30.1	9.1
8	7386.00	32.0 AV	54.0	-22.0	1.67 V	53	22.9	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	68.4 PK	74.0	-5.6	1.51 H	341	70.0	-1.6			
2	2390.00	52.5 AV	54.0	-1.5	1.51 H	341	54.1	-1.6			
3	*2422.00	110.8 PK			1.51 H	341	112.4	-1.6			
4	*2422.00	100.0 AV			1.51 H	341	101.6	-1.6			
5	4844.00	42.3 PK	74.0	-31.7	1.54 H	56	39.2	3.1			
6	4844.00	40.5 AV	54.0	-13.5	1.54 H	56	37.4	3.1			
7	7266.00	41.7 PK	74.0	-32.3	1.39 H	5	32.8	8.9			
8	7266.00	34.4 AV	54.0	-19.6	1.39 H	5	25.5	8.9			
		ANTENNA	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	62.1 PK	74.0	-11.9	1.69 V	14	63.7	-1.6			
2	2390.00	49.2 AV	54.0	-4.8	1.69 V	14	50.8	-1.6			
3	*2422.00	108.3 PK			1.69 V	14	109.9	-1.6			
4	*2422.00	97.5 AV			1.69 V	14	99.1	-1.6			
5	4844.00	41.8 PK	74.0	-32.2	2.77 V	339	38.7	3.1			
6	4844.00	40.4 AV	54.0	-13.6	2.77 V	339	37.3	3.1			
7	7266.00	39.9 PK	74.0	-34.1	1.72 V	78	31.0	8.9			
8	7266.00	32.8 AV	54.0	-21.2	1.72 V	78	23.9	8.9			

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)	
FREQUENCY RANGE	GHz ~ 25GHz	FUNCTION	Average (AV)	

	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	*2437.00	113.9 PK			1.48 H	351	115.4	-1.5	
2	*2437.00	102.9 AV			1.48 H	351	104.4	-1.5	
3	4874.00	43.2 PK	74.0	-30.8	1.44 H	34	40.0	3.2	
4	4874.00	41.5 AV	54.0	-12.5	1.44 H	34	38.3	3.2	
5	7311.00	40.9 PK	74.0	-33.1	1.40 H	35	32.0	8.9	
6	7311.00	34.0 AV	54.0	-20.0	1.40 H	35	25.1	8.9	
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	111.4 PK			1.71 V	14	112.9	-1.5	
2	*2437.00	100.4 AV			1.71 V	14	101.9	-1.5	
3	4874.00	43.2 PK	74.0	-30.8	2.76 V	339	40.0	3.2	
4	4874.00	41.2 AV	54.0	-12.8	2.76 V	339	38.0	3.2	
5	7311.00	40.1 PK	74.0	-33.9	1.76 V	67	31.2	8.9	
6	7311.00	33.1 AV	54.0	-20.9	1.76 V	67	24.2	8.9	

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)	
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)	

		7.1102	7112 200112					,
		ANTENNA	POLARITY :	& TEST DIS	STANCE: HO	PIZONTAI	ΔТЗМ	
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	*2452.00	111.2 PK			1.49 H	347	112.7	-1.5
2	*2452.00	100.1 AV			1.49 H	347	101.6	-1.5
3	2483.50	64.5 PK	74.0	-9.5	1.49 H	347	65.9	-1.4
4	2483.50	48.4 AV	54.0	-5.6	1.49 H	347	49.8	-1.4
5	4904.00	42.9 PK	74.0	-31.1	1.55 H	51	39.7	3.2
6	4904.00	41.1 AV	54.0	-12.9	1.55 H	51	37.9	3.2
7	7356.00	41.5 PK	74.0	-32.5	1.36 H	30	32.4	9.1
8	7356.00	33.9 AV	54.0	-20.1	1.36 H	30	24.8	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	108.7 PK			1.75 V	23	110.2	-1.5
2	*2452.00	97.6 AV			1.75 V	23	99.1	-1.5
3	2483.50	58.2 PK	74.0	-15.8	1.75 V	23	59.6	-1.4
4	2483.50	45.1 AV	54.0	-8.9	1.75 V	23	46.5	-1.4
5	4904.00	41.9 PK	74.0	-32.1	2.70 V	320	38.7	3.2
6	4904.00	40.5 AV	54.0	-13.5	2.70 V	320	37.3	3.2
7	7356.00	40.3 PK	74.0	-33.7	1.68 V	61	31.2	9.1
8	7356.00	32.8 AV	54.0	-21.2	1.68 V	61	23.7	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Oversi Bask (OB)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	106.70	36.3 QP	43.5	-7.2	2.00 H	188	47.7	-11.4	
2	141.19	34.3 QP	43.5	-9.2	2.00 H	74	42.7	-8.4	
3	207.22	34.3 QP	43.5	-9.2	1.50 H	178	45.8	-11.5	
4	393.90	38.5 QP	46.0	-7.5	2.00 H	316	44.1	-5.6	
5	410.92	37.6 QP	46.0	-8.4	2.00 H	301	42.7	-5.1	
6	437.38	35.8 QP	46.0	-10.2	2.00 H	299	39.7	-3.9	
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	44.67	35.5 QP	40.0	-4.5	1.50 V	303	43.7	-8.2	
2	106.70	35.9 QP	43.5	-7.6	1.00 V	242	47.3	-11.4	
3	357.50	38.8 QP	46.0	-7.2	1.00 V	310	45.1	-6.3	
4	384.49	42.4 QP	46.0	-3.6	1.00 V	246	48.1	-5.7	
5	424.04	37.3 QP	46.0	-8.7	1.00 V	261	41.8	-4.5	
6	488.23	38.0 QP	46.0	-8.0	1.00 V	12	41.3	-3.3	

- 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



Omnidirectional Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2387.00	56.1 PK	74.0	-17.9	1.45 H	241	57.7	-1.6	
2	2387.00	44.2 AV	54.0	-9.8	1.45 H	241	45.8	-1.6	
3	*2412.00	103.2 PK			1.45 H	241	104.7	-1.5	
4	*2412.00	101.0 AV			1.45 H	241	102.5	-1.5	
5	4824.00	41.6 PK	74.0	-32.4	2.71 H	360	38.6	3.0	
6	4824.00	40.7 AV	54.0	-13.3	2.71 H	360	37.7	3.0	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2387.00	59.3 PK	74.0	-14.7	2.15 V	360	60.9	-1.6	
2	2387.00	48.0 AV	54.0	-6.0	2.15 V	360	49.6	-1.6	
3	*2412.00	118.2 PK			2.15 V	360	119.7	-1.5	
4	*2412.00	116.0 AV			2.15 V	360	117.5	-1.5	
5	4824.00	41.7 PK	74.0	-32.3	1.63 V	59	38.7	3.0	
6	4824.00	40.2 AV	54.0	-13.8	1.63 V	59	37.2	3.0	

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	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	2390.00	53.5 PK	74.0	-20.5	1.49 H	248	55.1	-1.6			
2	2390.00	40.7 AV	54.0	-13.3	1.49 H	248	42.3	-1.6			
3	*2437.00	106.6 PK			1.49 H	248	108.1	-1.5			
4	*2437.00	104.4 AV			1.49 H	248	105.9	-1.5			
5	2483.50	54.1 PK	74.0	-19.9	1.49 H	248	55.5	-1.4			
6	2483.50	41.0 AV	54.0	-13.0	1.49 H	248	42.4	-1.4			
7	4874.00	42.8 PK	74.0	-31.2	2.71 H	341	39.6	3.2			
8	4874.00	40.8 AV	54.0	-13.2	2.71 H	341	37.6	3.2			
9	7311.00	41.0 PK	74.0	-33.0	1.81 H	43	32.1	8.9			
10	7311.00	33.9 AV	54.0	-20.1	1.81 H	43	25.0	8.9			
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	56.7 PK	74.0	-17.3	2.15 V	360	58.3	-1.6			
2	2390.00	44.5 AV	54.0	-9.5	2.15 V	360	46.1	-1.6			
3	*2437.00	121.6 PK			2.15 V	360	123.1	-1.5			
4	*2437.00	119.4 AV			2.15 V	360	120.9	-1.5			
5	2483.50	56.6 PK	74.0	-17.4	2.15 V	360	58.0	-1.4			
6	2483.50	43.5 AV	54.0	-10.5	2.15 V	360	44.9	-1.4			
7	4874.00	43.8 PK	74.0	-30.2	2.69 V	341	40.6	3.2			
8	4874.00	41.7 AV	54.0	-12.3	2.69 V	341	38.5	3.2			
9	7311.00	39.9 PK	74.0	-34.1	1.74 V	80	31.0	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUEITOT I	AIIOL	200112					<u>'</u>
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	103.4 PK			1.47 H	244	104.8	-1.4
2	*2462.00	101.2 AV			1.47 H	244	102.6	-1.4
3	2483.50	57.7 PK	74.0	-16.3	1.47 H	244	59.1	-1.4
4	2483.50	47.6 AV	54.0	-6.4	1.47 H	244	49.0	-1.4
5	4924.00	42.6 PK	74.0	-31.4	2.82 H	341	39.3	3.3
6	4924.00	41.1 AV	54.0	-12.9	2.82 H	341	37.8	3.3
7	7386.00	39.7 PK	74.0	-34.3	1.65 H	46	30.6	9.1
8	7386.00	32.4 AV	54.0	-21.6	1.65 H	46	23.3	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	118.4 PK			2.11 V	360	119.8	-1.4
2	*2462.00	116.2 AV			2.11 V	360	117.6	-1.4
3	2483.50	60.2 PK	74.0	-13.8	2.11 V	360	61.6	-1.4
4	2483.50	50.1 AV	54.0	-3.9	2.11 V	360	51.5	-1.4
5	4924.00	42.9 PK	74.0	-31.1	1.60 V	26	39.6	3.3
6	4924.00	40.7 AV	54.0	-13.3	1.60 V	26	37.4	3.3
7	7386.00	42.1 PK	74.0	-31.9	1.30 V	44	33.0	9.1
8	7386.00	34.4 AV	54.0	-19.6	1.30 V	44	25.3	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	60.2 PK	74.0	-13.8	1.53 H	249	61.8	-1.6	
2	2390.00	43.3 AV	54.0	-10.7	1.53 H	249	44.9	-1.6	
3	*2412.00	102.2 PK			1.53 H	249	103.7	-1.5	
4	*2412.00	93.4 AV			1.53 H	249	94.9	-1.5	
5	4824.00	37.2 PK	74.0	-36.8	1.72 H	332	34.2	3.0	
6	4824.00	24.3 AV	54.0	-29.7	1.72 H	332	21.3	3.0	
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
		EMISSION			ANTENNA	TABLE	RAW	CORRECTION	

	7441 E14107 (1 GE74141 1 & 1 EG1 B1G1741 GE1 VE1711 G71E 711 G III								
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	2390.00	63.4 PK	74.0	-10.6	1.86 V	360	65.0	-1.6	
2	2390.00	47.1 AV	54.0	-6.9	1.86 V	360	48.7	-1.6	
3	*2412.00	115.4 PK			1.86 V	360	116.9	-1.5	
4	*2412.00	105.9 AV			1.86 V	360	107.4	-1.5	
5	4824.00	39.7 PK	74.0	-34.3	2.02 V	165	36.7	3.0	
6	4824.00	25.9 AV	54.0	-28.1	2.02 V	165	22.9	3.0	

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) 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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	57.0 PK	74.0	-17.0	1.45 H	240	58.6	-1.6
2	2390.00	41.2 AV	54.0	-12.8	1.45 H	240	42.8	-1.6
3	*2437.00	102.2 PK			1.45 H	240	103.7	-1.5
4	*2437.00	100.7 AV			1.45 H	240	102.2	-1.5
5	2483.50	57.9 PK	74.0	-16.1	1.45 H	240	59.3	-1.4
6	2483.50	41.8 AV	54.0	-12.2	1.45 H	240	43.2	-1.4
7	4874.00	37.6 PK	74.0	-36.4	1.73 H	296	34.4	3.2
8	4874.00	24.9 AV	54.0	-29.1	1.73 H	296	21.7	3.2
9	7311.00	42.5 PK	74.0	-31.5	1.40 H	227	33.6	8.9
10	7311.00	30.4 AV	54.0	-23.6	1.40 H	227	21.5	8.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	60.2 PK	74.0	-13.8	1.89 V	360	61.8	-1.6
2	2390.00	45.0 AV	54.0	-9.0	1.89 V	360	46.6	-1.6
3	*2437.00	115.4 PK			1.89 V	360	116.9	-1.5
4	*2437.00	113.2 AV			1.89 V	360	114.7	-1.5
5	2483.50	60.4 PK	74.0	-13.6	1.89 V	360	61.8	-1.4
6	2483.50	44.3 AV	54.0	-9.7	1.89 V	360	45.7	-1.4
7	4874.00	38.7 PK	74.0	-35.3	1.93 V	135	35.5	3.2
8	4874.00	26.1 AV	54.0	-27.9	1.93 V	135	22.9	3.2
9	7311.00	43.8 PK	74.0	-30.2	1.60 V	129	34.9	8.9
10	7311.00	30.8 AV	54.0	-23.2	1.60 V	129	21.9	8.9

- 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 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AITOL	7112 10 200112				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	103.8 PK			1.48 H	255	105.2	-1.4
2	*2462.00	94.8 AV			1.48 H	255	96.2	-1.4
3	2483.50	62.9 PK	74.0	-11.1	1.48 H	255	64.3	-1.4
4	2483.50	44.3 AV	54.0	-9.7	1.48 H	255	45.7	-1.4
5	4924.00	38.2 PK	74.0	-35.8	1.50 H	303	34.9	3.3
6	4924.00	25.4 AV	54.0	-28.6	1.50 H	303	22.1	3.3
7	7386.00	43.1 PK	74.0	-30.9	1.45 H	214	34.0	9.1
8	7386.00	29.9 AV	54.0	-24.1	1.45 H	214	20.8	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	117.0 PK			1.96 V	360	118.4	-1.4
2	*2462.00	107.3 AV			1.96 V	360	108.7	-1.4
3	2483.50	65.4 PK	74.0	-8.6	1.96 V	360	66.8	-1.4
4	2483.50	46.8 AV	54.0	-7.2	1.96 V	360	48.2	-1.4
5	4924.00	38.5 PK	74.0	-35.5	2.06 V	124	35.2	3.3
6	4924.00	25.6 AV	54.0	-28.4	2.06 V	124	22.3	3.3
7	7386.00	43.4 PK	74.0	-30.6	1.59 V	152	34.3	9.1
8	7386.00	30.0 AV	54.0	-24.0	1.59 V	152	20.9	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2387.00	60.5 PK	74.0	-13.5	1.54 H	252	62.1	-1.6	
2	2387.00	42.0 AV	54.0	-12.0	1.54 H	252	43.6	-1.6	
3	*2412.00	101.4 PK			1.54 H	252	102.9	-1.5	
4	*2412.00	92.5 AV			1.54 H	252	94.0	-1.5	
5	4824.00	37.3 PK	74.0	-36.7	1.66 H	306	34.3	3.0	
6	4824.00	24.3 AV	54.0	-29.7	1.66 H	306	21.3	3.0	
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2387.00	63.7 PK	74.0	-10.3	1.63 V	359	65.3	-1.6
2	2387.00	45.8 AV	54.0	-8.2	1.63 V	359	47.4	-1.6
3	*2412.00	114.6 PK			1.63 V	359	116.1	-1.5
4	*2412.00	105.0 AV			1.63 V	359	106.5	-1.5
5	4824.00	39.1 PK	74.0	-34.9	2.04 V	151	36.1	3.0
6	4824.00	25.5 AV	54.0	-28.5	2.04 V	151	22.5	3.0

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) 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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	55.0 PK	74.0	-19.0	1.45 H	256	56.6	-1.6
2	2390.00	39.9 AV	54.0	-14.1	1.45 H	256	41.5	-1.6
3	*2437.00	105.9 PK			1.45 H	256	107.4	-1.5
4	*2437.00	96.9 AV			1.45 H	256	98.4	-1.5
5	2483.50	56.3 PK	74.0	-17.7	1.45 H	256	57.7	-1.4
6	2483.50	40.2 AV	54.0	-13.8	1.45 H	256	41.6	-1.4
7	4874.00	38.1 PK	74.0	-35.9	1.80 H	300	34.9	3.2
8	4874.00	25.5 AV	54.0	-28.5	1.80 H	300	22.3	3.2
9	7311.00	42.6 PK	74.0	-31.4	1.35 H	210	33.7	8.9
10	7311.00	30.4 AV	54.0	-23.6	1.35 H	210	21.5	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	58.2 PK	74.0	-15.8	1.62 V	343	59.8	-1.6
2	2390.00	43.7 AV	54.0	-10.3	1.62 V	343	45.3	-1.6
3	*2437.00	119.1 PK			1.62 V	343	120.6	-1.5
4	*2437.00	109.4 AV			1.62 V	343	110.9	-1.5
5	2483.50	58.8 PK	74.0	-15.2	1.62 V	343	60.2	-1.4
6	2483.50	42.7 AV	54.0	-11.3	1.62 V	343	44.1	-1.4
7	4874.00	39.1 PK	74.0	-34.9	1.98 V	138	35.9	3.2
8	4874.00	26.1 AV	54.0	-27.9	1.98 V	138	22.9	3.2
9	7311.00	43.7 PK	74.0	-30.3	1.53 V	126	34.8	8.9
10	7311.00	30.3 AV	54.0	-23.7	1.53 V	126	21.4	8.9

- 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 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

								,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	102.9 PK			1.52 H	255	104.3	-1.4
2	*2462.00	94.0 AV			1.52 H	255	95.4	-1.4
3	2486.50	64.8 PK	74.0	-9.2	1.52 H	255	66.2	-1.4
4	2486.50	44.0 AV	54.0	-10.0	1.52 H	255	45.4	-1.4
5	4924.00	38.0 PK	74.0	-36.0	1.54 H	325	34.7	3.3
6	4924.00	25.5 AV	54.0	-28.5	1.54 H	325	22.2	3.3
7	7386.00	42.5 PK	74.0	-31.5	1.43 H	204	33.4	9.1
8	7386.00	29.4 AV	54.0	-24.6	1.43 H	204	20.3	9.1
		ANTENNA	POLARITY	& TEST D	STANCE: V	ERTICAL A	T 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	*2462.00	116.1 PK			1.79 V	356	117.5	-1.4
2	*2462.00	106.5 AV			1.79 V	356	107.9	-1.4
3	2486.50	67.3 PK	74.0	-6.7	1.79 V	356	68.7	-1.4
4	2486.50	46.5 AV	54.0	-7.5	1.79 V	356	47.9	-1.4
5	4924.00	39.0 PK	74.0	-35.0	1.98 V	140	35.7	3.3
6	4924.00	25.9 AV	54.0	-28.1	1.98 V	140	22.6	3.3
7	7386.00	43.0 PK	74.0	-31.0	1.68 V	139	33.9	9.1
8	7386.00	29.8 AV	54.0	-24.2	1.68 V	139	20.7	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	57.8 PK	74.0	-16.2	2.80 H	249	59.4	-1.6
2	2390.00	44.6 AV	54.0	-9.4	2.80 H	249	46.2	-1.6
3	*2422.00	94.3 PK			2.80 H	249	95.9	-1.6
4	*2422.00	84.2 AV			2.80 H	249	85.8	-1.6
5	4844.00	37.8 PK	74.0	-36.2	1.68 H	317	34.7	3.1
6	4844.00	24.7 AV	54.0	-29.3	1.68 H	317	21.6	3.1
7	7266.00	42.9 PK	74.0	-31.1	1.39 H	191	34.0	8.9
8	7266.00	29.7 AV	54.0	-24.3	1.39 H	191	20.8	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSION LEVEL	LIMIT	MARGIN	ANTENNA HEIGHT	TABLE ANGLE	RAW VALUE	CORRECTION FACTOR
		(dBuV/m)	(dBuV/m)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)
1	2390.00	(dBuV/m) 61.0 PK	74.0	-13.0				
1 2	2390.00		,	, ,	(m)	(Degree)	(dBuV)	(dB/m)
		61.0 PK	74.0	-13.0	(m) 1.80 V	(Degree) 360	(dBuV) 62.6	(dB/m) -1.6
2	2390.00	61.0 PK 48.4 AV	74.0	-13.0	(m) 1.80 V 1.80 V	(Degree) 360 360	(dBuV) 62.6 50.0	(dB/m) -1.6 -1.6
2	2390.00	61.0 PK 48.4 AV 107.5 PK	74.0	-13.0	(m) 1.80 V 1.80 V 1.80 V	(Degree) 360 360 360	(dBuV) 62.6 50.0 109.1	(dB/m) -1.6 -1.6 -1.6
3 4	2390.00 *2422.00 *2422.00	61.0 PK 48.4 AV 107.5 PK 96.7 AV	74.0 54.0	-13.0 -5.6	(m) 1.80 V 1.80 V 1.80 V	(Degree) 360 360 360 360	(dBuV) 62.6 50.0 109.1 98.3	(dB/m) -1.6 -1.6 -1.6 -1.6
2 3 4 5	2390.00 *2422.00 *2422.00 4844.00	61.0 PK 48.4 AV 107.5 PK 96.7 AV 39.2 PK	74.0 54.0 74.0	-13.0 -5.6	(m) 1.80 V 1.80 V 1.80 V 1.80 V 2.08 V	(Degree) 360 360 360 360 360 158	(dBuV) 62.6 50.0 109.1 98.3 36.1	(dB/m) -1.6 -1.6 -1.6 -1.6 -3.1

- 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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	59.9 PK	74.0	-14.1	2.75 H	242	61.5	-1.6
2	2390.00	43.5 AV	54.0	-10.5	2.75 H	242	45.1	-1.6
3	*2437.00	98.1 PK			2.75 H	242	99.6	-1.5
4	*2437.00	87.2 AV			2.75 H	242	88.7	-1.5
5	2483.50	51.4 PK	74.0	-22.6	2.75 H	242	52.8	-1.4
6	2483.50	42.5 AV	54.0	-11.5	2.75 H	242	43.9	-1.4
7	4874.00	37.8 PK	74.0	-36.2	1.77 H	310	34.6	3.2
8	4874.00	25.1 AV	54.0	-28.9	1.77 H	310	21.9	3.2
9	7311.00	42.4 PK	74.0	-31.6	1.34 H	212	33.5	8.9
10	7311.00	30.0 AV	54.0	-24.0	1.34 H	212	21.1	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	63.1 PK	74.0	-10.9	1.92 V	360	64.7	-1.6
2	2390.00	47.3 AV	54.0	-6.7	1.92 V	360	48.9	-1.6
3	*2437.00	111.3 PK			1.92 V	360	112.8	-1.5
4	*2437.00	99.7 AV			1.92 V	360	101.2	-1.5
5	2483.50	53.9 PK	74.0	-20.1	1.92 V	360	55.3	-1.4
6	2483.50	45.0 AV	54.0	-9.0	1.92 V	360	46.4	-1.4
7	4874.00	38.6 PK	74.0	-35.4	1.98 V	141	35.4	3.2
8	4874.00	25.8 AV	54.0	-28.2	1.98 V	141	22.6	3.2
9	7311.00	43.8 PK	74.0	-30.2	1.57 V	117	34.9	8.9
10	7311.00	30.6 AV	54.0	-23.4	1.57 V	117	21.7	8.9

- 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 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

1 1/2	.QOLITOT I	ANGE 10	200112	-				,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2452.00	95.4 PK			2.80 H	247	96.9	-1.5
2	*2452.00	84.5 AV			2.80 H	247	86.0	-1.5
3	2483.50	54.1 PK	74.0	-19.9	2.80 H	247	55.5	-1.4
4	2483.50	40.7 AV	54.0	-13.3	2.80 H	247	42.1	-1.4
5	4904.00	37.9 PK	74.0	-36.1	1.53 H	317	34.7	3.2
6	4904.00	25.2 AV	54.0	-28.8	1.53 H	317	22.0	3.2
7	7356.00	42.5 PK	74.0	-31.5	1.48 H	209	33.4	9.1
8	7356.00	29.5 AV	54.0	-24.5	1.48 H	209	20.4	9.1
		ANTENNA	A POLARITY	& TEST D	STANCE: V	ERTICAL A	T 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	*2452.00	108.6 PK			1.94 V	355	110.1	-1.5
2	*2452.00	97.0 AV			1.94 V	355	98.5	-1.5
3	2483.50	57.4 PK	74.0	-16.6	1.94 V	355	58.8	-1.4
4	2483.50	44.5 AV	54.0	-9.5	1.94 V	355	45.9	-1.4
5	4904.00	38.7 PK	74.0	-35.3	2.03 V	129	35.5	3.2
6	4904.00	25.7 AV	54.0	-28.3	2.03 V	129	22.5	3.2
7	7356.00	43.2 PK	74.0	-30.8	1.64 V	151	34.1	9.1
8	7356.00	30.1 AV	54.0	-23.9	1.64 V	151	21.0	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Baak (OB)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	113.06	34.5 QP	43.5	-9.0	1.50 H	313	45.3	-10.8	
2	138.45	31.2 QP	43.5	-12.3	2.00 H	274	39.8	-8.6	
3	352.06	34.5 QP	46.0	-11.5	1.00 H	38	41.0	-6.5	
4	390.84	38.4 QP	46.0	-7.6	2.00 H	318	44.0	-5.6	
5	409.42	35.8 QP	46.0	-10.2	2.00 H	333	40.9	-5.1	
6	438.59	34.9 QP	46.0	-11.1	2.00 H	99	38.8	-3.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	45.74	36.1 QP	40.0	-3.9	1.00 V	159	44.4	-8.3	
2	113.08	32.5 QP	43.5	-11.0	1.00 V	345	43.3	-10.8	
3	360.62	39.6 QP	46.0	-6.4	1.00 V	0	45.8	-6.2	
4	414.46	37.3 QP	46.0	-8.7	1.50 V	360	42.3	-5.0	
5	441.09	36.1 QP	46.0	-9.9	1.00 V	0	39.9	-3.8	
6	482.29	37.9 QP	46.0	-8.1	1.00 V	25	41.3	-3.4	

- 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



4.1.8 Test Results (Mode 2)

Sector Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	AT 3 M	1
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	2390.00	58.7 PK	74.0	-15.3	1.30 H	347	60.3	-1.6
2	2390.00	46.8 AV	54.0	-7.2	1.30 H	347	48.4	-1.6
3	*2412.00	113.3 PK			1.30 H	347	114.8	-1.5
4	*2412.00	111.0 AV			1.30 H	347	112.5	-1.5
5	4824.00	38.7 PK	74.0	-35.3	1.99 H	148	35.7	3.0
6	4824.00	25.4 AV	54.0	-28.6	1.99 H	148	22.4	3.0
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	57.8 PK	74.0	-16.2	1.54 V	358	59.4	-1.6
2	2390.00	45.9 AV	54.0	-8.1	1.54 V	358	47.5	-1.6
3	*2412.00	107.6 PK			1.54 V	358	109.1	-1.5
4	*2412.00	105.2 AV			1.54 V	358	106.7	-1.5
5	4824.00	37.7 PK	74.0	-36.3	1.59 V	321	34.7	3.0
6	4824.00	25.0 AV	54.0	-29.0	1.59 V	321	22.0	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	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	*2437.00	116.3 PK			1.27 H	345	117.8	-1.5
2	*2437.00	114.1 AV			1.27 H	345	115.6	-1.5
3	4874.00	38.7 PK	74.0	-35.3	2.01 H	155	35.5	3.2
4	4874.00	25.5 AV	54.0	-28.5	2.01 H	155	22.3	3.2
5	7311.00	43.7 PK	74.0	-30.3	1.59 H	153	34.8	8.9
6	7311.00	30.7 AV	54.0	-23.3	1.59 H	153	21.8	8.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M	
NO.	NO. FREQ. (MHz) EMISSION LIMIT (dBuV/m) (dB) ANTENNA TABLE RAW CORRECTION (MHz) (MHz							
1	*2437.00	110.6 PK			1.50 V	353	112.1	-1.5
2	*2437.00	108.3 AV			1.50 V	353	109.8	-1.5
3	4874.00	37.9 PK	74.0	-36.1	1.67 V	306	34.7	3.2
4	4874.00	25.1 AV	54.0	-28.9	1.67 V	306	21.9	3.2
5	7311.00	42.5 PK	74.0	-31.5	1.37 V	229	33.6	8.9
6	7311.00	29.4 AV	54.0	-24.6	1.37 V	229	20.5	8.9

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		7	200112					,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	113.3 PK			1.35 H	360	114.7	-1.4
2	*2462.00	111.2 AV			1.35 H	360	112.6	-1.4
3	2483.50	58.1 PK	74.0	-15.9	1.35 H	360	59.5	-1.4
4	2483.50	46.3 AV	54.0	-7.7	1.35 H	360	47.7	-1.4
5	4924.00	38.4 PK	74.0	-35.6	2.01 H	144	35.1	3.3
6	4924.00	25.2 AV	54.0	-28.8	2.01 H	144	21.9	3.3
7	7386.00	43.3 PK	74.0	-30.7	1.63 H	152	34.2	9.1
8	7386.00	30.2 AV	54.0	-23.8	1.63 H	152	21.1	9.1
		ANTENNA	A POLARITY	4 & TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	110.6 PK			1.55 V	360	112.0	-1.4
2	*2462.00	105.4 AV			1.55 V	360	106.8	-1.4
3	2483.50	57.2 PK	74.0	-16.8	1.55 V	360	58.6	-1.4
4	2483.50	45.4 AV	54.0	-8.6	1.55 V	360	46.8	-1.4
5	4924.00	37.6 PK	74.0	-36.4	1.64 V	312	34.3	3.3
6	4924.00	24.9 AV	54.0	-29.1	1.64 V	312	21.6	3.3
7	7386.00	42.8 PK	74.0	-31.2	1.43 V	214	33.7	9.1
8	7386.00	29.7 AV	54.0	-24.3	1.43 V	214	20.6	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	65.1 PK	74.0	-8.9	1.98 H	346	66.7	-1.6
2	2390.00	45.5 AV	54.0	-8.5	1.98 H	346	47.1	-1.6
3	*2412.00	110.5 PK			1.98 H	346	112.0	-1.5
4	*2412.00	101.0 AV			1.98 H	346	102.5	-1.5
5	4824.00	38.3 PK	74.0	-35.7	2.03 H	137	35.3	3.0
6	4824.00	24.9 AV	54.0	-29.1	2.03 H	137	21.9	3.0
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	64.2 PK	74.0	-9.8	1.49 V	360	65.8	-1.6
2	2390.00	45.4 AV	54.0	-8.6	1.49 V	360	47.0	-1.6
3	*2412.00	108.0 PK			1.49 V	360	109.5	-1.5
4	*2412.00	97.6 AV			1.49 V	360	99.1	-1.5
5	4824.00	37.2 PK	74.0	-36.8	1.59 V	314	34.2	3.0
6	4824.00	24.6 AV	54.0	-29.4	1.59 V	314	21.6	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	63.5 PK	74.0	-10.5	1.94 H	359	65.1	-1.6	
2	2390.00	45.8 AV	54.0	-8.2	1.94 H	359	47.4	-1.6	
3	*2437.00	117.3 PK			1.94 H	359	118.8	-1.5	
4	*2437.00	108.2 AV			1.94 H	359	109.7	-1.5	
5	2483.50	61.0 PK	74.0	-13.0	1.94 H	359	62.4	-1.4	
6	2483.50	45.4 AV	54.0	-8.6	1.94 H	359	46.8	-1.4	
7	4874.00	38.6 PK	74.0	-35.4	1.97 H	163	35.4	3.2	
8	4874.00	25.6 AV	54.0	-28.4	1.97 H	163	22.4	3.2	
9	7311.00	43.2 PK	74.0	-30.8	1.56 H	138	34.3	8.9	
10	7311.00	30.3 AV	54.0	-23.7	1.56 H	138	21.4	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	62.6 PK	74.0	-11.4	1.56 V	360	64.2	-1.6	
2	2390.00	45.7 AV	54.0	-8.3	1.56 V	360	47.3	-1.6	
3	*2437.00	114.8 PK			1.56 V	360	116.3	-1.5	
4	*2437.00	104.8 AV			1.56 V	360	106.3	-1.5	
5	2483.50	60.1 PK	74.0	-13.9	1.56 V	360	61.5	-1.4	
6	2483.50	45.3 AV	54.0	-8.7	1.56 V	360	46.7	-1.4	
7	4874.00	38.1 PK	74.0	-35.9	1.71 V	302	34.9	3.2	
8	4874.00	25.4 AV	54.0	-28.6	1.71 V	302	22.2	3.2	
9	7311.00	42.4 PK	74.0	-31.6	1.34 V	223	33.5	8.9	
10	7311.00	29.4 AV	54.0	-24.6	1.34 V	223	20.5	8.9	

- 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 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

FKE	QUENCTR	ANGE	nz ~ 25Gn2	-			/worago (//	• ,
		ANTENNA	POLARITY 8	& TEST DI	STANCE: HO	RIZONTAL	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	*2462.00	114.4 PK			1.97 H	360	115.8	-1.4
2	*2462.00	104.9 AV			1.97 H	360	106.3	-1.4
3	2483.50	68.2 PK	74.0	-5.8	1.97 H	360	69.6	-1.4
4	2483.50	47.6 AV	54.0	-6.4	1.97 H	360	49.0	-1.4
5	4924.00	38.0 PK	74.0	-36.0	2.05 H	130	34.7	3.3
6	4924.00	24.9 AV	54.0	-29.1	2.05 H	130	21.6	3.3
7	7386.00	43.0 PK	74.0	-31.0	1.62 H	142	33.9	9.1
8	7386.00	30.2 AV	54.0	-23.8	1.62 H	142	21.1	9.1
		ANTENNA	POLARITY	& TEST	DISTANCE: V	ERTICAL A	T 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	*2462.00	111.9 PK			1.53 V	357	113.3	-1.4
2	*2462.00	101.5 AV			1.53 V	357	102.9	-1.4
3	2483.50	67.3 PK	74.0	-6.7	1.53 V	357	68.7	-1.4
4	2483.50	47.5 AV	54.0	-6.5	1.53 V	357	48.9	-1.4
5	4924.00	37.8 PK	74.0	-36.2	1.64 V	326	34.5	3.3
6	4924.00	24.8 AV	54.0	-29.2	1.64 V	326	21.5	3.3
7	7386.00	42.7 PK	74.0	-31.3	1.45 V	227	33.6	9.1
8	7386.00	29.8 AV	54.0	-24.2	1.45 V	227	20.7	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA I	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	64.3 PK	74.0	-9.7	2.21 H	360	65.9	-1.6
2	2390.00	45.0 AV	54.0	-9.0	2.21 H	360	46.6	-1.6
3	*2412.00	109.4 PK			2.21 H	360	110.9	-1.5
4	*2412.00	96.5 AV			2.21 H	360	98.0	-1.5
5	4824.00	38.7 PK	74.0	-35.3	2.00 H	145	35.7	3.0
6	4824.00	25.4 AV	54.0	-28.6	2.00 H	145	22.4	3.0
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	63.9 PK	74.0	-10.1	1.57 V	360	65.5	-1.6

-8.7

-36.0

-28.9

REMARKS:

2

4

5

6

2390.00

*2412.00

*2412.00

4824.00

4824.00

- 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)

1.57 V

1.57 V

1.57 V

1.64 V

1.64 V

360

360

360

321

321

46.9

108.4

94.6

35.0

22.1

-1.6

-1.5

-1.5

3.0

3.0

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

54.0

74.0

54.0

- 4. Margin value = Emission Level Limit value
- 5. " * ": Fundamental frequency.

45.3 AV

106.9 PK

93.1 AV

38.0 PK

25.1 AV



CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	117.6 PK			2.26 H	360	119.1	-1.5	
2	*2437.00	103.8 AV			2.26 H	360	105.3	-1.5	
3	4874.00	38.7 PK	74.0	-35.3	2.05 H	158	35.5	3.2	
4	4874.00	25.4 AV	54.0	-28.6	2.05 H	158	22.2	3.2	
5	7311.00	44.0 PK	74.0	-30.0	1.64 H	156	35.1	8.9	
6	7311.00	31.1 AV	54.0	-22.9	1.64 H	156	22.2	8.9	
		ANTENNA	A POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. EMISSION LIMIT MARGIN ANTENNA TABLE RAW CORRECT								
1	*2437.00	115.1 PK			1.58 V	360	116.6	-1.5	
2	*2437.00	100.4 AV			1.58 V	360	101.9	-1.5	
3	4874.00	38.0 PK	74.0	-36.0	1.65 V	320	34.8	3.2	
4	4874.00	25.1 AV	54.0	-28.9	1.65 V	320	21.9	3.2	
5	7311.00	42.3 PK	74.0	-31.7	1.38 V	216	33.4	8.9	
6	7311.00	29.5 AV	54.0	-24.5	1.38 V	216	20.6	8.9	

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	7	112 200112					<u> </u>
		ANTENNA	DOL ADITY	P TEST DIS	STANCE: HO	DIZONTAL	AT 2 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	*2462.00	110.5 PK			2.23 H	360	111.9	-1.4
2	*2462.00	97.6 AV			2.23 H	360	99.0	-1.4
3	2483.50	64.0 PK	74.0	-10.0	2.23 H	360	65.4	-1.4
4	2483.50	45.1 AV	54.0	-8.9	2.23 H	360	46.5	-1.4
5	4924.00	38.8 PK	74.0	-35.2	1.96 H	151	35.5	3.3
6	4924.00	25.4 AV	54.0	-28.6	1.96 H	151	22.1	3.3
7	7386.00	43.3 PK	74.0	-30.7	1.64 H	140	34.2	9.1
8	7386.00	30.2 AV	54.0	-23.8	1.64 H	140	21.1	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	108.0 PK			1.60 V	360	109.4	-1.4
2	*2462.00	94.2 AV			1.60 V	360	95.6	-1.4
3	2483.50	63.1 PK	74.0	-10.9	1.60 V	360	64.5	-1.4
4	2483.50	45.0 AV	54.0	-9.0	1.60 V	360	46.4	-1.4
5	4924.00	38.0 PK	74.0	-36.0	1.60 V	300	34.7	3.3
6	4924.00	25.3 AV	54.0	-28.7	1.60 V	300	22.0	3.3
7	7386.00	42.5 PK	74.0	-31.5	1.48 V	210	33.4	9.1
8	7386.00	29.6 AV	54.0	-24.4	1.48 V	210	20.5	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	57.1 PK	74.0	-16.9	1.79 H	360	58.7	-1.6	
2	2390.00	44.8 AV	54.0	-9.2	1.79 H	360	46.4	-1.6	
3	*2422.00	104.4 PK			1.79 H	360	106.0	-1.6	
4	*2422.00	88.8 AV			1.79 H	360	90.4	-1.6	
5	4844.00	38.6 PK	74.0	-35.4	1.99 H	158	35.5	3.1	
6	4844.00	25.3 AV	54.0	-28.7	1.99 H	158	22.2	3.1	
7	7266.00	43.7 PK	74.0	-30.3	1.57 H	169	34.8	8.9	
8	7266.00	30.8 AV	54.0	-23.2	1.57 H	169	21.9	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. (MHz) EMISSION LIMIT (dBuV/m) (dB) ANTENNA TABLE RAW CORRECTION (MHz) FACTOR								
		(aBuv/m)	,	(3.7)	(m)	(Degree)	(dBuV)	(dB/m)	
1	2390.00	56.2 PK	74.0	-17.8	(m) 1.52 V	(Degree) 360	(dBuV) 57.8	(dB/m) -1.6	
1	2390.00 2390.00		74.0 54.0	, ,	` ,	, , ,	, ,	` '	
		56.2 PK		-17.8	1.52 V	360	57.8	-1.6	
2	2390.00	56.2 PK 44.7 AV		-17.8	1.52 V 1.52 V	360 360	57.8 46.3	-1.6 -1.6	
2	2390.00	56.2 PK 44.7 AV 98.7 PK		-17.8	1.52 V 1.52 V 1.52 V	360 360 360	57.8 46.3 100.3	-1.6 -1.6 -1.6	
3 4	2390.00 *2422.00 *2422.00	56.2 PK 44.7 AV 98.7 PK 83.0 AV	54.0	-17.8 -9.3	1.52 V 1.52 V 1.52 V 1.52 V	360 360 360 360	57.8 46.3 100.3 84.6	-1.6 -1.6 -1.6 -1.6	
2 3 4 5	2390.00 *2422.00 *2422.00 4844.00	56.2 PK 44.7 AV 98.7 PK 83.0 AV 37.5 PK	54.0 74.0	-17.8 -9.3 -36.5	1.52 V 1.52 V 1.52 V 1.52 V 1.70 V	360 360 360 360 325	57.8 46.3 100.3 84.6 34.4	-1.6 -1.6 -1.6 -1.6 -3.1	

- 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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	107.3 PK			1.81 H	357	108.8	-1.5
2	*2437.00	92.0 AV			1.81 H	357	93.5	-1.5
3	4874.00	38.9 PK	74.0	-35.1	1.92 H	152	35.7	3.2
4	4874.00	25.8 AV	54.0	-28.2	1.92 H	152	22.6	3.2
5	7311.00	43.8 PK	74.0	-30.2	1.59 H	127	34.9	8.9
6	7311.00	30.8 AV	54.0	-23.2	1.59 H	127	21.9	8.9
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	101.6 PK			1.46 V	360	103.1	-1.5
2	*2437.00	86.2 AV			1.46 V	360	87.7	-1.5
3	4874.00	38.0 PK	74.0	-36.0	1.68 V	307	34.8	3.2
4	4874.00	25.1 AV	54.0	-28.9	1.68 V	307	21.9	3.2
5	7311.00	42.2 PK	74.0	-31.8	1.37 V	219	33.3	8.9
6	7311.00	29.3 AV	54.0	-24.7	1.37 V	219	20.4	8.9

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	.QOLITOT I	AITOL	7112 12 2001 12	-			3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2452.00	104.6 PK			1.82 H	350	106.1	-1.5
2	*2452.00	89.1 AV			1.82 H	350	90.6	-1.5
3	2483.50	57.0 PK	74.0	-17.0	1.82 H	350	58.4	-1.4
4	2483.50	44.5 AV	54.0	-9.5	1.82 H	350	45.9	-1.4
5	4904.00	38.4 PK	74.0	-35.6	2.05 H	129	35.2	3.2
6	4904.00	25.3 AV	54.0	-28.7	2.05 H	129	22.1	3.2
7	7356.00	43.7 PK	74.0	-30.3	1.62 H	154	34.6	9.1
8	7356.00	30.3 AV	54.0	-23.7	1.62 H	154	21.2	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	98.9 PK			1.50 V	360	100.4	-1.5
2	*2452.00	83.3 AV			1.50 V	360	84.8	-1.5
3	2483.50	56.1 PK	74.0	-17.9	1.50 V	360	57.5	-1.4
4	2483.50	44.4 AV	54.0	-9.6	1.50 V	360	45.8	-1.4
5	4904.00	37.5 PK	74.0	-36.5	1.60 V	297	34.3	3.2
6	4904.00	24.8 AV	54.0	-29.2	1.60 V	297	21.6	3.2
7	7356.00	42.8 PK	74.0	-31.2	1.42 V	204	33.7	9.1
8	7356.00	29.4 AV	54.0	-24.6	1.42 V	204	20.3	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Back (OB)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

		ΔΝΤΕΝΝΔ	POLARITY :	R TEST DIS	TANCE: HO	PIZONTAI	ДТЗМ	
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	113.08	36.7 QP	43.5	-6.8	2.00 H	319	47.5	-10.8
2	139.27	34.9 QP	43.5	-8.6	2.00 H	84	43.5	-8.6
3	207.56	33.4 QP	43.5	-10.1	1.50 H	153	45.0	-11.6
4	391.20	38.1 QP	46.0	-7.9	2.00 H	314	43.7	-5.6
5	412.16	37.0 QP	46.0	-9.0	2.00 H	311	42.0	-5.0
6	438.76	35.0 QP	46.0	-11.0	2.00 H	301	38.9	-3.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	45.20	36.7 QP	40.0	-3.3	1.00 V	180	45.0	-8.3
2	106.73	34.8 QP	43.5	-8.7	1.00 V	220	46.2	-11.4
3	357.25	40.1 QP	46.0	-5.9	1.00 V	303	46.4	-6.3
4	380.15	42.2 QP	46.0	-3.8	1.00 V	255	48.0	-5.8
5	425.61	37.3 QP	46.0	-8.7	1.00 V	258	41.7	-4.4
6	492.93	38.6 QP	46.0	-7.4	1.00 V	258	41.9	-3.3

- 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



Omnidirectional Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	58.0 PK	74.0	-16.0	1.50 H	360	59.6	-1.6
2	2390.00	46.0 AV	54.0	-8.0	1.50 H	360	47.6	-1.6
3	*2412.00	106.5 PK			1.60 H	358	108.0	-1.5
4	*2412.00	103.9 AV			1.60 H	358	105.4	-1.5
5	4824.00	37.9 PK	74.0	-36.1	1.56 H	316	34.9	3.0
6	4824.00	25.1 AV	54.0	-28.9	1.56 H	316	22.1	3.0
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	58.5 PK	74.0	-15.5	1.31 V	356	60.1	-1.6
2	2390.00	46.7 AV	54.0	-7.3	1.31 V	356	48.3	-1.6
3	*2412.00	112.6 PK			1.33 V	355	114.1	-1.5
4	*2412.00	110.2 AV			1.33 V	355	111.7	-1.5
5	4824.00	38.3 PK	74.0	-35.7	1.97 V	146	35.3	3.0
6	4824.00	25.1 AV	54.0	-28.9	1.97 V	146	22.1	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	109.6 PK			1.56 H	350	111.1	-1.5		
2	*2437.00	107.5 AV			1.56 H	350	109.0	-1.5		
3	4874.00	38.2 PK	74.0	-35.8	1.61 H	301	35.0	3.2		
4	4874.00	25.2 AV	54.0	-28.8	1.61 H	301	22.0	3.2		
5	7311.00	42.6 PK	74.0	-31.4	1.32 H	239	33.7	8.9		
6	7311.00	29.5 AV	54.0	-24.5	1.32 H	239	20.6	8.9		
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 3 M			
NO.	FREQ EMISSION LIMIT MAR				ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)		
1	*2437.00	115.9 PK			1.33 V	360	117.4	-1.5		
2	*2437.00	113.4 AV			1.33 V	360	114.9	-1.5		
3	4874.00	38.0 PK	74.0	-36.0	2.00 V	141	34.8	3.2		
4	4874.00	25.0 AV	54.0	-29.0	2.00 V	141	21.8	3.2		
5	7311.00	43.7 PK	74.0	-30.3	1.58 V	145	34.8	8.9		
6	7311.00	30.8 AV	54.0	-23.2	1.58 V	145	21.9	8.9		

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

· ·/-	.QOLITOT I	AITOL	7112 12 2001 12				3 - (<u> </u>
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	106.4 PK			1.58 H	360	107.8	-1.4
2	*2462.00	103.7 AV			1.58 H	360	105.1	-1.4
3	2483.50	57.4 PK	74.0	-16.6	1.51 H	360	58.8	-1.4
4	2483.50	45.5 AV	54.0	-8.5	1.51 H	360	46.9	-1.4
5	4924.00	37.5 PK	74.0	-36.5	1.68 H	323	34.2	3.3
6	4924.00	25.0 AV	54.0	-29.0	1.68 H	323	21.7	3.3
7	7386.00	42.8 PK	74.0	-31.2	1.42 H	225	33.7	9.1
8	7386.00	29.8 AV	54.0	-24.2	1.42 H	225	20.7	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	112.5 PK			1.34 V	347	113.9	-1.4
2	*2462.00	110.1 AV			1.34 V	347	111.5	-1.4
3	2483.50	58.2 PK	74.0	-15.8	1.34 V	360	59.6	-1.4
4	2483.50	46.3 AV	54.0	-7.7	1.34 V	360	47.7	-1.4
5	4924.00	38.5 PK	74.0	-35.5	1.97 V	147	35.2	3.3
6	4924.00	25.4 AV	54.0	-28.6	1.97 V	147	22.1	3.3
7	7386.00	42.8 PK	74.0	-31.2	1.57 V	164	33.7	9.1
8	7386.00	29.9 AV	54.0	-24.1	1.57 V	164	20.8	9.1

- 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.



Report Format Version: 6.1.1

802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	64.2 PK	74.0	-9.8	1.50 H	360	65.8	-1.6			
2	2390.00	45.6 AV	54.0	-8.4	1.50 H	360	47.2	-1.6			
3	*2412.00	106.8 PK			1.53 H	356	108.3	-1.5			
4	*2412.00	96.4 AV			1.53 H	356	97.9	-1.5			
5	4824.00	36.9 PK	74.0	-37.1	1.64 H	308	33.9	3.0			
6	4824.00	24.5 AV	54.0	-29.5	1.64 H	308	21.5	3.0			
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/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	2390.00	65.5 PK	74.0	-8.5	1.95 V	349	67.1	-1.6
2	2390.00	45.7 AV	54.0	-8.3	1.95 V	349	47.3	-1.6
3	*2412.00	109.9 PK			1.95 V	333	111.4	-1.5
4	*2412.00	100.5 AV			1.95 V	333	102.0	-1.5
5	4824.00	37.9 PK	74.0	-36.1	1.98 V	149	34.9	3.0
6	4824.00	24.8 AV	54.0	-29.2	1.98 V	149	21.8	3.0

- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) 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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	62.7 PK	74.0	-11.3	1.57 H	360	64.3	-1.6
2	2390.00	46.0 AV	54.0	-8.0	1.57 H	360	47.6	-1.6
3	*2437.00	114.2 PK			1.52 H	360	115.7	-1.5
4	*2437.00	104.0 AV			1.52 H	360	105.5	-1.5
5	2483.50	60.1 PK	74.0	-13.9	1.52 H	360	61.5	-1.4
6	2483.50	45.0 AV	54.0	-9.0	1.52 H	360	46.4	-1.4
7	4874.00	38.1 PK	74.0	-35.9	1.66 H	293	34.9	3.2
8	4874.00	25.6 AV	54.0	-28.4	1.66 H	293	22.4	3.2
9	7311.00	42.0 PK	74.0	-32.0	1.39 H	225	33.1	8.9
10	7311.00	28.9 AV	54.0	-25.1	1.39 H	225	20.0	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	63.3 PK	74.0	-10.7	1.95 V	351	64.9	-1.6
2	2390.00	45.5 AV	54.0	-8.5	1.95 V	351	47.1	-1.6
3	*2437.00	116.3 PK			1.98 V	352	117.8	-1.5
4	*2437.00	107.3 AV			1.98 V	352	108.8	-1.5
5	2483.50	60.5 PK	74.0	-13.5	1.97 V	352	61.9	-1.4
6	2483.50	45.0 AV	54.0	-9.0	1.97 V	352	46.4	-1.4
7	4874.00	39.0 PK	74.0	-35.0	2.01 V	164	35.8	3.2
8	4874.00	26.0 AV	54.0	-28.0	2.01 V	164	22.8	3.2
9	7311.00	43.5 PK	74.0	-30.5	1.55 V	125	34.6	8.9
10	7311.00	30.7 AV	54.0	-23.3	1.55 V	125	21.8	8.9

- 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 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AIIOL 10	200112	-				
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	111.0 PK			1.51 H	356	112.4	-1.4
2	*2462.00	100.8 AV			1.51 H	356	102.2	-1.4
3	2483.50	67.3 PK	74.0	-6.7	1.54 H	360	68.7	-1.4
4	2483.50	47.4 AV	54.0	-6.6	1.54 H	360	48.8	-1.4
5	4924.00	38.1 PK	74.0	-35.9	1.63 H	314	34.8	3.3
6	4924.00	24.8 AV	54.0	-29.2	1.63 H	314	21.5	3.3
7	7386.00	42.9 PK	74.0	-31.1	1.50 H	233	33.8	9.1
8	7386.00	30.1 AV	54.0	-23.9	1.50 H	233	21.0	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	113.0 PK			1.94 V	360	114.4	-1.4
2	*2462.00	103.8 AV			1.94 V	360	105.2	-1.4
3	2483.50	68.4 PK	74.0	-5.6	2.00 V	360	69.8	-1.4
4	2483.50	47.8 AV	54.0	-6.2	2.00 V	360	49.2	-1.4
5	4924.00	38.4 PK	74.0	-35.6	2.03 V	125	35.1	3.3
6	4924.00	25.4 AV	54.0	-28.6	2.03 V	125	22.1	3.3
7	7386.00	43.0 PK	74.0	-31.0	1.62 V	155	33.9	9.1
8	7386.00	30.0 AV	54.0	-24.0	1.62 V	155	20.9	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	63.9 PK	74.0	-10.1	1.59 H	347	65.5	-1.6		
2	2390.00	45.4 AV	54.0	-8.6	1.59 H	347	47.0	-1.6		
3	*2412.00	106.4 PK			1.53 H	360	107.9	-1.5		
4	*2412.00	92.3 AV			1.53 H	360	93.8	-1.5		
5	4824.00	38.3 PK	74.0	-35.7	1.61 H	329	35.3	3.0		
6	4824.00	25.3 AV	54.0	-28.7	1.61 H	329	22.3	3.0		
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	64.2 PK	74.0	-9.8	2.15 V	360	65.8	-1.6
2	2390.00	44.6 AV	54.0	-9.4	2.15 V	360	46.2	-1.6
3	*2412.00	108.3 PK			2.23 V	360	109.8	-1.5
4	*2412.00	95.4 AV			2.23 V	360	96.9	-1.5
5	4824.00	39.0 PK	74.0	-35.0	2.02 V	129	36.0	3.0
6	4824.00	25.5 AV	54.0	-28.5	2.02 V	129	22.5	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)	
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)	

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	*2437.00	114.6 PK			1.53 H	354	116.1	-1.5
2	*2437.00	99.9 AV			1.53 H	354	101.4	-1.5
3	4874.00	38.0 PK	74.0	-36.0	1.71 H	320	34.8	3.2
4	4874.00	24.8 AV	54.0	-29.2	1.71 H	320	21.6	3.2
5	7311.00	42.1 PK	74.0	-31.9	1.37 H	203	33.2	8.9
6	7311.00	29.1 AV	54.0	-24.9	1.37 H	203	20.2	8.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	116.9 PK			2.21 V	360	118.4	-1.5
2	*2437.00	103.0 AV			2.21 V	360	104.5	-1.5
3	4874.00	38.3 PK	74.0	-35.7	2.08 V	172	35.1	3.2
4	4874.00	24.9 AV	54.0	-29.1	2.08 V	172	21.7	3.2
5	7311.00	44.0 PK	74.0	-30.0	1.61 V	167	35.1	8.9
6	7311.00	31.3 AV	54.0	-22.7	1.61 V	167	22.4	8.9

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)	
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)	

	.QOLITOT I	AITOL	7112 12 2001 12				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	106.7 PK			1.61 H	360	108.1	-1.4
2	*2462.00	92.8 AV			1.61 H	360	94.2	-1.4
3	2483.50	62.9 PK	74.0	-11.1	1.56 H	360	64.3	-1.4
4	2483.50	44.6 AV	54.0	-9.4	1.56 H	360	46.0	-1.4
5	4924.00	37.8 PK	74.0	-36.2	1.66 H	303	34.5	3.3
6	4924.00	25.4 AV	54.0	-28.6	1.66 H	303	22.1	3.3
7	7386.00	42.6 PK	74.0	-31.4	1.44 H	210	33.5	9.1
8	7386.00	29.6 AV	54.0	-24.4	1.44 H	210	20.5	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	109.4 PK			2.18 V	360	110.8	-1.4
2	*2462.00	96.7 AV			2.18 V	360	98.1	-1.4
3	2483.50	64.0 PK	74.0	-10.0	2.18 V	360	65.4	-1.4
4	2483.50	45.0 AV	54.0	-9.0	2.18 V	360	46.4	-1.4
5	4924.00	38.8 PK	74.0	-35.2	2.02 V	141	35.5	3.3
6	4924.00	25.2 AV	54.0	-28.8	2.02 V	141	21.9	3.3
7	7386.00	43.5 PK	74.0	-30.5	1.61 V	143	34.4	9.1
8	7386.00	30.5 AV	54.0	-23.5	1.61 V	143	21.4	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)	
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)	

	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	2390.00	56.2 PK	74.0	-17.8	1.46 H	357	57.8	-1.6	
2	2390.00	44.9 AV	54.0	-9.1	1.46 H	357	46.5	-1.6	
3	*2422.00	97.9 PK			1.48 H	360	99.5	-1.6	
4	*2422.00	82.3 AV			1.48 H	360	83.9	-1.6	
5	4844.00	37.5 PK	74.0	-36.5	1.64 H	312	34.4	3.1	
6	4844.00	24.5 AV	54.0	-29.5	1.64 H	312	21.4	3.1	
7	7266.00	42.8 PK	74.0	-31.2	1.38 H	206	33.9	8.9	
8	7266.00	29.8 AV	54.0	-24.2	1.38 H	206	20.9	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	56.7 PK	74.0	-17.3	1.80 V	354	58.3	-1.6	
2	2390.00	44.7 AV	54.0	-9.3	1.80 V	354	46.3	-1.6	
3	*2422.00	102.8 PK			1.83 V	360	104.4	-1.6	
4	*2422.00	87.3 AV			1.83 V	360	88.9	-1.6	
4		0110711							
5	4844.00	39.0 PK	74.0	-35.0	2.05 V	143	35.9	3.1	
	4844.00 4844.00		74.0 54.0	-35.0 -28.4	2.05 V 2.05 V	143 143	35.9 22.5	3.1 3.1	
5		39.0 PK							

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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	101.5 PK			1.46 H	360	103.0	-1.5	
2	*2437.00	85.9 AV			1.46 H	360	87.4	-1.5	
3	4874.00	37.5 PK	74.0	-36.5	1.74 H	310	34.3	3.2	
4	4874.00	24.7 AV	54.0	-29.3	1.74 H	310	21.5	3.2	
5	7311.00	42.3 PK	74.0	-31.7	1.32 H	222	33.4	8.9	
6	7311.00	29.7 AV	54.0	-24.3	1.32 H	222	20.8	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	106.6 PK			1.77 V	360	108.1	-1.5	
2	*2437.00	91.5 AV			1.77 V	360	93.0	-1.5	
3	4874.00	39.0 PK	74.0	-35.0	1.96 V	156	35.8	3.2	
4	4874.00	26.2 AV	54.0	-27.8	1.96 V	156	23.0	3.2	
5	7311.00	44.0 PK	74.0	-30.0	1.58 V	122	35.1	8.9	
6	7311.00	30.8 AV	54.0	-23.2	1.58 V	122	21.9	8.9	

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	, area	7112 200112					,
		ANTENNA	DOLADITY :	R TEST DIS	STANCE: HO	DIZONTAL	AT 2 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	*2452.00	98.1 PK			1.48 H	360	99.6	-1.5
2	*2452.00	82.6 AV			1.48 H	360	84.1	-1.5
3	2483.50	56.2 PK	74.0	-17.8	1.55 H	360	57.6	-1.4
4	2483.50	44.5 AV	54.0	-9.5	1.55 H	360	45.9	-1.4
5	4904.00	37.8 PK	74.0	-36.2	1.56 H	303	34.6	3.2
6	4904.00	25.0 AV	54.0	-29.0	1.56 H	303	21.8	3.2
7	7356.00	42.8 PK	74.0	-31.2	1.47 H	204	33.7	9.1
8	7356.00	29.7 AV	54.0	-24.3	1.47 H	204	20.6	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	104.1 PK			1.87 V	349	105.6	-1.5
2	*2452.00	88.4 AV			1.87 V	349	89.9	-1.5
3	2483.50	57.6 PK	74.0	-16.4	1.86 V	345	59.0	-1.4
4	2483.50	44.9 AV	54.0	-9.1	1.86 V	345	46.3	-1.4
5	4904.00	38.4 PK	74.0	-35.6	2.00 V	139	35.2	3.2
6	4904.00	25.4 AV	54.0	-28.6	2.00 V	139	22.2	3.2
7	7356.00	43.3 PK	74.0	-30.7	1.66 V	151	34.2	9.1
8	7356.00	29.9 AV	54.0	-24.1	1.66 V	151	20.8	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Baak (OD)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	102.46	34.1 QP	43.5	-9.4	2.00 H	194	46.2	-12.1
2	140.09	32.4 QP	43.5	-11.1	2.00 H	95	41.0	-8.6
3	354.71	34.0 QP	46.0	-12.0	1.00 H	48	40.4	-6.4
4	385.82	38.5 QP	46.0	-7.5	2.00 H	344	44.2	-5.7
5	411.23	35.6 QP	46.0	-10.4	2.00 H	337	40.7	-5.1
6	439.12	35.7 QP	46.0	-10.3	2.00 H	314	39.6	-3.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	45.74	36.1 QP	40.0	-3.9	1.00 V	202	44.4	-8.3
2	114.12	30.6 QP	43.5	-12.9	1.00 V	355	41.3	-10.7
3	360.75	39.8 QP	46.0	-6.2	1.50 V	0	46.0	-6.2
4	413.80	37.3 QP	46.0	-8.7	2.00 V	360	42.3	-5.0
5	444.14	36.1 QP	46.0	-9.9	1.00 V	1	39.9	-3.8
6	480.98	37.3 QP	46.0	-8.7	1.00 V	16	40.7	-3.4

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



4.1.9 Test Results (Mode 3)

Sector Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	58.3 PK	74.0	-15.7	1.14 H	15	59.9	-1.6	
2	2390.00	46.5 AV	54.0	-7.5	1.14 H	15	48.1	-1.6	
3	*2412.00	113.8 PK			1.14 H	15	115.3	-1.5	
4	*2412.00	111.5 AV			1.14 H	15	113.0	-1.5	
5	4824.00	38.2 PK	74.0	-35.8	1.95 H	156	35.2	3.0	
6	4824.00	24.9 AV	54.0	-29.1	1.95 H	156	21.9	3.0	
		4 5 ITT 5 IS I 4		, a TEAT DI					

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	2390.00	58.1 PK	74.0	-15.9	2.50 V	57	59.7	-1.6
2	2390.00	46.3 AV	54.0	-7.7	2.50 V	57	47.9	-1.6
3	*2412.00	113.8 PK			2.50 V	57	115.3	-1.5
4	*2412.00	107.6 AV			2.50 V	57	109.1	-1.5
5	4824.00	37.6 PK	74.0	-36.4	1.62 V	316	34.6	3.0
6	4824.00	24.6 AV	54.0	-29.4	1.62 V	316	21.6	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	116.5 PK			1.08 H	6	118.0	-1.5		
2	*2437.00	114.2 AV			1.08 H	6	115.7	-1.5		
3	4874.00	39.1 PK	74.0	-34.9	2.00 H	160	35.9	3.2		
4	4874.00	25.7 AV	54.0	-28.3	2.00 H	160	22.5	3.2		
5	7311.00	43.2 PK	74.0	-30.8	1.58 H	149	34.3	8.9		
6	7311.00	30.3 AV	54.0	-23.7	1.58 H	149	21.4	8.9		
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	112.8 PK			2.53 V	44	114.3	-1.5		
2	*2437.00	110.3 AV			2.53 V	44	111.8	-1.5		
3	4874.00	37.3 PK	74.0	-36.7	1.61 V	291	34.1	3.2		
4	4874.00	24.8 AV	54.0	-29.2	1.61 V	291	21.6	3.2		
5	7311.00	42.6 PK	74.0	-31.4	1.35 V	214	33.7	8.9		
6	7311.00	29.6 AV	54.0	-24.4	1.35 V	214	20.7	8.9		

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	7	112 200112					<u>'</u>
		ΔΝΤΕΝΝΔ	POLARITY :	R TEST DIS	STANCE: HO	PIZONTAI	АТЗМ	
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	*2462.00	113.8 PK			1.11 H	3	115.2	-1.4
2	*2462.00	111.5 AV			1.11 H	3	112.9	-1.4
3	2483.50	59.5 PK	74.0	-14.5	1.11 H	3	60.9	-1.4
4	2483.50	47.0 AV	54.0	-7.0	1.11 H	3	48.4	-1.4
5	4924.00	38.1 PK	74.0	-35.9	2.07 H	146	34.8	3.3
6	4924.00	24.8 AV	54.0	-29.2	2.07 H	146	21.5	3.3
7	7386.00	43.8 PK	74.0	-30.2	1.62 H	161	34.7	9.1
8	7386.00	30.4 AV	54.0	-23.6	1.62 H	161	21.3	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	113.8 PK			2.51 V	36	115.2	-1.4
2	*2462.00	107.6 AV			2.51 V	36	109.0	-1.4
3	2483.50	58.6 PK	74.0	-15.4	2.51 V	36	60.0	-1.4
4	2483.50	46.1 AV	54.0	-7.9	2.51 V	36	47.5	-1.4
5	4924.00	37.0 PK	74.0	-37.0	1.69 V	321	33.7	3.3
6	4924.00	24.5 AV	54.0	-29.5	1.69 V	321	21.2	3.3
7	7386.00	43.3 PK	74.0	-30.7	1.42 V	229	34.2	9.1
8	7386.00	30.1 AV	54.0	-23.9	1.42 V	229	21.0	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	66.1 PK	74.0	-7.9	1.13 H	5	67.7	-1.6		
2	2390.00	46.3 AV	54.0	-7.7	1.13 H	5	47.9	-1.6		
3	*2412.00	111.4 PK			1.13 H	5	112.9	-1.5		
4	*2412.00	101.8 AV			1.13 H	5	103.3	-1.5		
5	4824.00	38.4 PK	74.0	-35.6	1.99 H	144	35.4	3.0		
6	4824.00	25.0 AV	54.0	-29.0	1.99 H	144	22.0	3.0		
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 3 M			
							- A14	00000000000		

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	2390.00	65.2 PK	74.0	-8.8	2.53 V	31	66.8	-1.6
2	2390.00	45.4 AV	54.0	-8.6	2.53 V	31	47.0	-1.6
3	*2412.00	111.4 PK			2.53 V	31	112.9	-1.5
4	*2412.00	97.9 AV			2.53 V	31	99.4	-1.5
5	4824.00	37.2 PK	74.0	-36.8	1.53 V	313	34.2	3.0
6	4824.00	24.8 AV	54.0	-29.2	1.53 V	313	21.8	3.0

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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	118.2 PK			1.09 H	9	119.7	-1.5			
2	*2437.00	108.8 AV			1.09 H	9	110.3	-1.5			
3	4874.00	38.8 PK	74.0	-35.2	1.98 H	153	35.6	3.2			
4	4874.00	25.8 AV	54.0	-28.2	1.98 H	153	22.6	3.2			
5	7311.00	43.2 PK	74.0	-30.8	1.56 H	144	34.3	8.9			
6	7311.00	30.4 AV	54.0	-23.6	1.56 H	144	21.5	8.9			
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	118.2 PK			2.48 V	31	119.7	-1.5			
2	*2437.00	104.9 AV			2.48 V	31	106.4	-1.5			
3	4874.00	37.5 PK	74.0	-36.5	1.69 V	313	34.3	3.2			
4	4874.00	25.0 AV	54.0	-29.0	1.69 V	313	21.8	3.2			
5	7311.00	42.1 PK	74.0	-31.9	1.30 V	211	33.2	8.9			
6	7311.00	29.2 AV	54.0	-24.8	1.30 V	211	20.3	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	113.5 PK			1.13 H	12	114.9	-1.4
2	*2462.00	103.8 AV			1.13 H	12	105.2	-1.4
3	2483.50	68.7 PK	74.0	-5.3	1.13 H	12	70.1	-1.4
4	2483.50	48.7 AV	54.0	-5.3	1.13 H	12	50.1	-1.4
5	4924.00	37.8 PK	74.0	-36.2	2.06 H	127	34.5	3.3
6	4924.00	24.5 AV	54.0	-29.5	2.06 H	127	21.2	3.3
7	7386.00	43.3 PK	74.0	-30.7	1.67 H	154	34.2	9.1
8	7386.00	30.6 AV	54.0	-23.4	1.67 H	154	21.5	9.1
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2462.00	113.5 PK			2.48 V	33	114.9	-1.4
2	*2462.00	99.9 AV			2.48 V	33	101.3	-1.4
3	2483.50	67.8 PK	74.0	-6.2	2.48 V	33	69.2	-1.4
4	2483.50	47.8 AV	54.0	-6.2	2.48 V	33	49.2	-1.4
5	4924.00	37.9 PK	74.0	-36.1	1.59 V	314	34.6	3.3
6	4924.00	25.1 AV	54.0	-28.9	1.59 V	314	21.8	3.3
7	7386.00	43.3 PK	74.0	-30.7	1.50 V	213	34.2	9.1
8	7386.00	30.3 AV	54.0	-23.7	1.50 V	213	21.2	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	70.2 PK	74.0	-3.8	1.06 H	24	71.8	-1.6			
2	2390.00	47.5 AV	54.0	-6.5	1.06 H	24	49.1	-1.6			
3	*2412.00	111.1 PK			1.06 H	24	112.6	-1.5			
4	*2412.00	101.3 AV			1.06 H	24	102.8	-1.5			
5	4824.00	38.6 PK	74.0	-35.4	2.04 H	152	35.6	3.0			
6	4824.00	25.0 AV	54.0	-29.0	2.04 H	152	22.0	3.0			
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	69.3 PK	74.0	-4.7	2.54 V	55	70.9	-1.6
2	2390.00	46.6 AV	54.0	-7.4	2.54 V	55	48.2	-1.6
3	*2412.00	111.1 PK			2.54 V	55	112.6	-1.5
4	*2412.00	97.4 AV			2.54 V	55	98.9	-1.5
5	4824.00	38.1 PK	74.0	-35.9	1.63 V	337	35.1	3.0
6	4824.00	25.4 AV	54.0	-28.6	1.63 V	337	22.4	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	118.3 PK			1.11 H	8	119.8	-1.5	
2	*2437.00	108.1 AV			1.11 H	8	109.6	-1.5	
3	4874.00	38.8 PK	74.0	-35.2	2.04 H	169	35.6	3.2	
4	4874.00	25.4 AV	54.0	-28.6	2.04 H	169	22.2	3.2	
5	7311.00	44.7 PK	74.0	-29.3	1.69 H	161	35.8	8.9	
6	7311.00	31.6 AV	54.0	-22.4	1.69 H	161	22.7	8.9	
		ANTENNA	A POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	118.3 PK			2.48 V	52	119.8	-1.5	
2	*2437.00	104.2 AV			2.48 V	52	105.7	-1.5	
3	4874.00	37.4 PK	74.0	-36.6	1.60 V	326	34.2	3.2	
4	4874.00	24.6 AV	54.0	-29.4	1.60 V	326	21.4	3.2	
4									
5	7311.00	42.9 PK	74.0	-31.1	1.40 V	222	34.0	8.9	

- 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.

Report No.: RF170912E01A Page No. 84 / 135 Report Format Version: 6.1.1 Reference No.: 170912E02



CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	7	112 200112					,
		ΔΝΤΕΝΝΔ	POLARITY :	R TEST DIS	STANCE: HO	PIZONTAI	АТЗМ	
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	*2462.00	112.6 PK			1.15 H	6	114.0	-1.4
2	*2462.00	102.4 AV			1.15 H	6	103.8	-1.4
3	2483.50	54.7 PK	74.0	-19.3	1.15 H	6	56.1	-1.4
4	2483.50	42.3 AV	54.0	-11.7	1.15 H	6	43.7	-1.4
5	4924.00	38.9 PK	74.0	-35.1	1.95 H	138	35.6	3.3
6	4924.00	25.7 AV	54.0	-28.3	1.95 H	138	22.4	3.3
7	7386.00	43.9 PK	74.0	-30.1	1.59 H	142	34.8	9.1
8	7386.00	30.6 AV	54.0	-23.4	1.59 H	142	21.5	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	112.6 PK			2.57 V	31	114.0	-1.4
2	*2462.00	98.5 AV			2.57 V	31	99.9	-1.4
3	2483.50	53.8 PK	74.0	-20.2	2.57 V	31	55.2	-1.4
4	2483.50	41.4 AV	54.0	-12.6	2.57 V	31	42.8	-1.4
5	4924.00	38.1 PK	74.0	-35.9	1.62 V	297	34.8	3.3
6	4924.00	25.3 AV	54.0	-28.7	1.62 V	297	22.0	3.3
7	7386.00	42.5 PK	74.0	-31.5	1.53 V	201	33.4	9.1
8	7386.00	29.8 AV	54.0	-24.2	1.53 V	201	20.7	9.1

- 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.

Report No.: RF170912E01A Page No. 85 / 135 Report Format Version: 6.1.1



802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	61.3 PK	74.0	-12.7	1.28 H	360	62.9	-1.6	
2	2390.00	48.2 AV	54.0	-5.8	1.28 H	360	49.8	-1.6	
3	*2422.00	105.1 PK			1.28 H	360	106.7	-1.6	
4	*2422.00	93.6 AV			1.28 H	360	95.2	-1.6	
5	4844.00	38.2 PK	74.0	-35.8	2.04 H	155	35.1	3.1	
6	4844.00	25.1 AV	54.0	-28.9	2.04 H	155	22.0	3.1	
7	7266.00	44.2 PK	74.0	-29.8	1.59 H	185	35.3	8.9	
8	7266.00	31.0 AV	54.0	-23.0	1.59 H	185	22.1	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	60.4 PK	74.0	-13.6	2.58 V	43	62.0	-1.6	
2	2390.00	47.3 AV	54.0	-6.7	2.58 V	43	48.9	-1.6	
3	*2422.00	105.1 PK			2.58 V	43	106.7	-1.6	
4	*2422.00	89.7 AV			2.58 V	43	91.3	-1.6	
5	4844.00	37.5 PK	74.0	-36.5	1.71 V	322	34.4	3.1	
6	4844.00	24.8 AV	54.0	-29.2	1.71 V	322	21.7	3.1	
7	7266.00	42.6 PK	74.0	-31.4	1.37 V	208	33.7	8.9	
8	7266.00	29.8 AV	54.0	-24.2	1.37 V	208	20.9	8.9	

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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	107.5 PK			1.23 H	360	109.0	-1.5
2	*2437.00	96.7 AV			1.23 H	360	98.2	-1.5
3	4874.00	39.2 PK	74.0	-34.8	1.91 H	146	36.0	3.2
4	4874.00	26.0 AV	54.0	-28.0	1.91 H	146	22.8	3.2
5	7311.00	43.8 PK	74.0	-30.2	1.64 H	126	34.9	8.9
6	7311.00	30.9 AV	54.0	-23.1	1.64 H	126	22.0	8.9
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	107.5 PK			2.55 V	52	109.0	-1.5
2	*2437.00	92.8 AV			2.55 V	52	94.3	-1.5
3	4874.00	38.0 PK	74.0	-36.0	1.72 V	320	34.8	3.2
4	4874.00	24.8 AV	54.0	-29.2	1.72 V	320	21.6	3.2
5	7311.00	41.9 PK	74.0	-32.1	1.40 V	218	33.0	8.9
6	7311.00	28.9 AV	54.0	-25.1	1.40 V	218	20.0	8.9

- 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.

Report No.: RF170912E01A Page No. 87 / 135 Report Format Version: 6.1.1



CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUEINCT IN	AITOL	71 12 ~ 2501 12	-			3 - (<u>'</u>
		ANTFNNA	POLARITY A	& TEST DIS	STANCE: HO	RIZONTAL	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	*2452.00	104.3 PK			1.24 H	360	105.8	-1.5
2	*2452.00	94.0 AV			1.24 H	360	95.5	-1.5
3	2483.50	58.3 PK	74.0	-15.7	1.24 H	360	59.7	-1.4
4	2483.50	44.4 AV	54.0	-9.6	1.24 H	360	45.8	-1.4
5	4904.00	38.4 PK	74.0	-35.6	2.08 H	121	35.2	3.2
6	4904.00	25.3 AV	54.0	-28.7	2.08 H	121	22.1	3.2
7	7356.00	44.2 PK	74.0	-29.8	1.62 H	157	35.1	9.1
8	7356.00	30.6 AV	54.0	-23.4	1.62 H	157	21.5	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	104.3 PK			2.50 V	58	105.8	-1.5
2	*2452.00	90.1 AV			2.50 V	58	91.6	-1.5
3	2483.50	57.4 PK	74.0	-16.6	2.50 V	58	58.8	-1.4
4	2483.50	43.5 AV	54.0	-10.5	2.50 V	58	44.9	-1.4
5	4904.00	37.7 PK	74.0	-36.3	1.61 V	305	34.5	3.2
6	4904.00	24.7 AV	54.0	-29.3	1.61 V	305	21.5	3.2
7	7356.00	42.7 PK	74.0	-31.3	1.48 V	207	33.6	9.1
8	7356.00	29.6 AV	54.0	-24.4	1.48 V	207	20.5	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Baak (OD)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	112.84	36.9 QP	43.5	-6.6	1.50 H	291	47.7	-10.8	
2	141.21	33.8 QP	43.5	-9.7	2.00 H	100	42.2	-8.4	
3	207.32	34.2 QP	43.5	-9.3	1.50 H	190	45.7	-11.5	
4	393.24	37.6 QP	46.0	-8.4	2.00 H	315	43.2	-5.6	
5	412.01	37.1 QP	46.0	-8.9	2.00 H	307	42.1	-5.0	
6	481.41	35.6 QP	46.0	-10.4	2.00 H	150	39.0	-3.4	
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	47.80	34.6 QP	40.0	-5.4	1.00 V	283	42.7	-8.1	
2	106.70	34.7 QP	43.5	-8.8	1.00 V	215	46.1	-11.4	
3	356.67	38.9 QP	46.0	-7.1	1.50 V	307	45.3	-6.4	
4	385.24	42.5 QP	46.0	-3.5	1.00 V	260	48.2	-5.7	
5	421.03	37.2 QP	46.0	-8.8	1.00 V	270	41.9	-4.7	
6	493.42	38.6 QP	46.0	-7.4	1.00 V	260	41.8	-3.2	

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



Omnidirectional Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	58.1 PK	74.0	-15.9	2.81 H	82	59.7	-1.6
2	2390.00	45.9 AV	54.0	-8.1	2.81 H	82	47.5	-1.6
3	*2412.00	109.3 PK			2.81 H	82	110.8	-1.5
4	*2412.00	106.8 AV			2.81 H	82	108.3	-1.5
5	4824.00	37.8 PK	74.0	-36.2	1.65 H	301	34.8	3.0
6	4824.00	24.5 AV	54.0	-29.5	1.65 H	301	21.5	3.0
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	58.9 PK	74.0	-15.1	1.45 V	25	60.5	-1.6
2	2390.00	46.8 AV	54.0	-7.2	1.45 V	25	48.4	-1.6
3	*2412.00	113.0 PK			1.45 V	25	114.5	-1.5
4	*2412.00	110.7 AV			1.45 V	25	112.2	-1.5
5	4824.00	38.6 PK	74.0	-35.4	1.98 V	163	35.6	3.0
6	4824.00	25.0 AV	54.0	-29.0	1.98 V	163	22.0	3.0

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.

Report No.: RF170912E01A Page No. 90 / 135 Report Format Version: 6.1.1



CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	112.0 PK			2.76 H	89	113.5	-1.5	
2	*2437.00	109.5 AV			2.76 H	89	111.0	-1.5	
3	4874.00	36.9 PK	74.0	-37.1	1.57 H	288	33.7	3.2	
4	4874.00	24.6 AV	54.0	-29.4	1.57 H	288	21.4	3.2	
5	7311.00	42.5 PK	74.0	-31.5	1.32 H	224	33.6	8.9	
6	7311.00	29.3 AV	54.0	-24.7	1.32 H	224	20.4	8.9	
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	115.7 PK			1.43 V	18	117.2	-1.5	
2	*2437.00	113.4 AV			1.43 V	18	114.9	-1.5	
3	4874.00	39.7 PK	74.0	-34.3	2.04 V	174	36.5	3.2	
4	4874.00	26.0 AV	54.0	-28.0	2.04 V	174	22.8	3.2	
5	7311.00	43.6 PK	74.0	-30.4	1.57 V	139	34.7	8.9	
6	7311.00	30.8 AV	54.0	-23.2	1.57 V	139	21.9	8.9	

- 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.

Report No.: RF170912E01A Page No. 91 / 135 Report Format Version: 6.1.1 Reference No.: 170912E02



CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AITOL	7112 12 2001 12					,
		ANTENNA	POLARITY 8	& TEST DIS	STANCE: HO	RIZONTAL	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	*2462.00	109.3 PK			2.72 H	85	110.7	-1.4
2	*2462.00	106.8 AV			2.72 H	85	108.2	-1.4
3	2483.50	59.0 PK	74.0	-15.0	2.72 H	85	60.4	-1.4
4	2483.50	46.0 AV	54.0	-8.0	2.72 H	85	47.4	-1.4
5	4924.00	37.6 PK	74.0	-36.4	1.57 H	295	34.3	3.3
6	4924.00	24.7 AV	54.0	-29.3	1.57 H	295	21.4	3.3
7	7386.00	43.5 PK	74.0	-30.5	1.27 H	233	34.4	9.1
8	7386.00	30.1 AV	54.0	-23.9	1.27 H	233	21.0	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	113.0 PK			1.45 V	34	114.4	-1.4
2	*2462.00	110.7 AV			1.45 V	34	112.1	-1.4
3	2483.50	59.8 PK	74.0	-14.2	1.45 V	34	61.2	-1.4
4	2483.50	46.9 AV	54.0	-7.1	1.45 V	34	48.3	-1.4
5	4924.00	38.6 PK	74.0	-35.4	2.04 V	175	35.3	3.3
6	4924.00	25.2 AV	54.0	-28.8	2.04 V	175	21.9	3.3
7	7386.00	43.4 PK	74.0	-30.6	1.53 V	147	34.3	9.1
8	7386.00	30.0 AV	54.0	-24.0	1.53 V	147	20.9	9.1

- 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.

Report No.: RF170912E01A Page No. 92 / 135 Report Format Version: 6.1.1 Reference No.: 170912E02



802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	65.5 PK	74.0	-8.5	2.72 H	100	67.1	-1.6	
2	2390.00	45.6 AV	54.0	-8.4	2.72 H	100	47.2	-1.6	
3	*2412.00	106.9 PK			2.72 H	100	108.4	-1.5	
4	*2412.00	97.1 AV			2.72 H	100	98.6	-1.5	
5	4824.00	38.1 PK	74.0	-35.9	1.62 H	297	35.1	3.0	
6	4824.00	25.0 AV	54.0	-29.0	1.62 H	297	22.0	3.0	
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	66.3 PK	74.0	-7.7	1.44 V	14	67.9	-1.6
2	2390.00	46.5 AV	54.0	-7.5	1.44 V	14	48.1	-1.6
3	*2412.00	110.6 PK			1.44 V	14	112.1	-1.5
4	*2412.00	101.0 AV			1.44 V	14	102.5	-1.5
5	4824.00	39.1 PK	74.0	-34.9	2.02 V	188	36.1	3.0
6	4824.00	25.7 AV	54.0	-28.3	2.02 V	188	22.7	3.0

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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	113.7 PK			2.79 H	94	115.2	-1.5	
2	*2437.00	104.1 AV			2.79 H	94	105.6	-1.5	
3	4874.00	37.5 PK	74.0	-36.5	1.51 H	301	34.3	3.2	
4	4874.00	25.0 AV	54.0	-29.0	1.51 H	301	21.8	3.2	
5	7311.00	42.1 PK	74.0	-31.9	1.31 H	222	33.2	8.9	
6	7311.00	28.9 AV	54.0	-25.1	1.31 H	222	20.0	8.9	
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	117.4 PK			1.42 V	15	118.9	-1.5	
2	*2437.00	108.0 AV			1.42 V	15	109.5	-1.5	
3	4874.00	39.8 PK	74.0	-34.2	1.98 V	175	36.6	3.2	
4	4874.00	26.2 AV	54.0	-27.8	1.98 V	175	23.0	3.2	
5	7311.00	42.8 PK	74.0	-31.2	1.61 V	135	33.9	8.9	
6	7311.00	30.3 AV	54.0	-23.7	1.61 V	135	21.4	8.9	

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

· ·/-	QUEITOT I	AITOL	7112 10 200112					,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	109.0 PK			2.76 H	80	110.4	-1.4
2	*2462.00	99.1 AV			2.76 H	80	100.5	-1.4
3	2483.50	68.1 PK	74.0	-5.9	2.76 H	80	69.5	-1.4
4	2483.50	48.0 AV	54.0	-6.0	2.76 H	80	49.4	-1.4
5	4924.00	37.7 PK	74.0	-36.3	1.63 H	282	34.4	3.3
6	4924.00	24.9 AV	54.0	-29.1	1.63 H	282	21.6	3.3
7	7386.00	43.5 PK	74.0	-30.5	1.26 H	232	34.4	9.1
8	7386.00	30.4 AV	54.0	-23.6	1.26 H	232	21.3	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	112.7 PK			1.47 V	38	114.1	-1.4
2	*2462.00	103.0 AV			1.47 V	38	104.4	-1.4
3	2483.50	68.9 PK	74.0	-5.1	1.47 V	38	70.3	-1.4
4	2483.50	48.9 AV	54.0	-5.1	1.47 V	38	50.3	-1.4
5	4924.00	38.5 PK	74.0	-35.5	2.08 V	186	35.2	3.3
6	4924.00	25.2 AV	54.0	-28.8	2.08 V	186	21.9	3.3
7	7386.00	43.2 PK	74.0	-30.8	1.49 V	144	34.1	9.1
8	7386.00	30.1 AV	54.0	-23.9	1.49 V	144	21.0	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	68.0 PK	74.0	-6.0	2.71 H	102	69.6	-1.6	
2	2390.00	46.2 AV	54.0	-7.8	2.71 H	102	47.8	-1.6	
3	*2412.00	106.6 PK			2.71 H	102	108.1	-1.5	
4	*2412.00	96.6 AV			2.71 H	102	98.1	-1.5	
5	4824.00	37.3 PK	74.0	-36.7	1.54 H	290	34.3	3.0	
6	4824.00	24.6 AV	54.0	-29.4	1.54 H	290	21.6	3.0	
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	68.8 PK	74.0	-5.2	1.46 V	35	70.4	-1.6
2	2390.00	47.1 AV	54.0	-6.9	1.46 V	35	48.7	-1.6
3	*2412.00	110.3 PK			1.46 V	35	111.8	-1.5
4	*2412.00	100.5 AV			1.46 V	35	102.0	-1.5
5	4824.00	38.6 PK	74.0	-35.4	2.03 V	190	35.6	3.0
6	4824.00	25.4 AV	54.0	-28.6	2.03 V	190	22.4	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	113.8 PK			2.77 H	79	115.3	-1.5	
2	*2437.00	103.4 AV			2.77 H	79	104.9	-1.5	
3	4874.00	36.9 PK	74.0	-37.1	1.60 H	289	33.7	3.2	
4	4874.00	24.7 AV	54.0	-29.3	1.60 H	289	21.5	3.2	
5	7311.00	43.1 PK	74.0	-30.9	1.28 H	224	34.2	8.9	
6	7311.00	29.8 AV	54.0	-24.2	1.28 H	224	20.9	8.9	
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	117.5 PK			1.48 V	18	119.0	-1.5	
2	*2437.00	107.3 AV			1.48 V	18	108.8	-1.5	
3	4874.00	39.0 PK	74.0	-35.0	2.09 V	168	35.8	3.2	
4	4874.00	25.5 AV	54.0	-28.5	2.09 V	168	22.3	3.2	
5	7311.00	43.9 PK	74.0	-30.1	1.56 V	132	35.0	8.9	
6	7311.00	31.2 AV	54.0	-22.8	1.56 V	132	22.3	8.9	

- 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.

Report No.: RF170912E01A Page No. 97 / 135 Report Format Version: 6.1.1 Reference No.: 170912E02



CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	, area	7112 200112	-				,
		ANTENNA	DOL ADITY	P TEST DIS	STANCE: HO	DIZONTAL	AT 2 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	*2462.00	108.1 PK			2.81 H	96	109.5	-1.4
2	*2462.00	97.7 AV			2.81 H	96	99.1	-1.4
3	2483.50	53.8 PK	74.0	-20.2	2.81 H	96	55.2	-1.4
4	2483.50	41.4 AV	54.0	-12.6	2.81 H	96	42.8	-1.4
5	4924.00	37.5 PK	74.0	-36.5	1.58 H	302	34.2	3.3
6	4924.00	24.3 AV	54.0	-29.7	1.58 H	302	21.0	3.3
7	7386.00	43.6 PK	74.0	-30.4	1.26 H	228	34.5	9.1
8	7386.00	30.5 AV	54.0	-23.5	1.26 H	228	21.4	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	111.8 PK			1.43 V	17	113.2	-1.4
2	*2462.00	101.6 AV			1.43 V	17	103.0	-1.4
3	2483.50	54.6 PK	74.0	-19.4	1.43 V	17	56.0	-1.4
4	2483.50	42.3 AV	54.0	-11.7	1.43 V	17	43.7	-1.4
5	4924.00	38.4 PK	74.0	-35.6	2.02 V	163	35.1	3.3
6	4924.00	25.0 AV	54.0	-29.0	2.02 V	163	21.7	3.3
7	7386.00	43.5 PK	74.0	-30.5	1.52 V	135	34.4	9.1
8	7386.00	30.3 AV	54.0	-23.7	1.52 V	135	21.2	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	60.6 PK	74.0	-13.4	2.74 H	100	62.2	-1.6	
2	2390.00	47.3 AV	54.0	-6.7	2.74 H	100	48.9	-1.6	
3	*2422.00	100.6 PK			2.74 H	100	102.2	-1.6	
4	*2422.00	88.9 AV			2.74 H	100	90.5	-1.6	
5	4844.00	36.6 PK	74.0	-37.4	1.72 H	312	33.5	3.1	
6	4844.00	24.2 AV	54.0	-29.8	1.72 H	312	21.1	3.1	
7	7266.00	43.4 PK	74.0	-30.6	1.42 H	222	34.5	8.9	
8	7266.00	30.0 AV	54.0	-24.0	1.42 H	222	21.1	8.9	
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	61.4 PK	74.0	-12.6	1.51 V	34	63.0	-1.6	
2	2390.00	48.2 AV	54.0	-5.8	1.51 V	34	49.8	-1.6	
3	*2422.00	104.3 PK			1.51 V	34	105.9	-1.6	
4	*2422.00	92.8 AV			1.51 V	34	94.4	-1.6	
4 5	*2422.00 4844.00	92.8 AV 38.9 PK	74.0	-35.1	1.51 V 1.99 V	34 160	94.4 35.8	-1.6 3.1	
-			74.0 54.0	-35.1 -28.7	_				
5	4844.00	38.9 PK	_		1.99 V	160	35.8	3.1	

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 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	*2437.00	103.0 PK			2.80 H	79	104.5	-1.5
2	*2437.00	92.0 AV			2.80 H	79	93.5	-1.5
3	4874.00	37.4 PK	74.0	-36.6	1.57 H	291	34.2	3.2
4	4874.00	25.0 AV	54.0	-29.0	1.57 H	291	21.8	3.2
5	7311.00	42.4 PK	74.0	-31.6	1.28 H	223	33.5	8.9
6	7311.00	29.1 AV	54.0	-24.9	1.28 H	223	20.2	8.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	*2437.00	106.7 PK			1.48 V	34	108.2	-1.5
2	*2437.00	95.9 AV			1.48 V	34	97.4	-1.5
3	4874.00	39.5 PK	74.0	-34.5	2.07 V	182	36.3	3.2
4	4874.00	26.0 AV	54.0	-28.0	2.07 V	182	22.8	3.2
5	7311.00	43.5 PK	74.0	-30.5	1.63 V	133	34.6	8.9
6	7311.00	30.8 AV	54.0	-23.2	1.63 V	133	21.9	8.9

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	, area	7112 200112					,
		ANTENNA	POLARITY :	& TEST DIS	STANCE: HO	PIZONTAI	АТЗМ	
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	*2452.00	99.8 PK			2.71 H	95	101.3	-1.5
2	*2452.00	89.3 AV			2.71 H	95	90.8	-1.5
3	2483.50	58.2 PK	74.0	-15.8	2.71 H	95	59.6	-1.4
4	2483.50	44.0 AV	54.0	-10.0	2.71 H	95	45.4	-1.4
5	4904.00	36.6 PK	74.0	-37.4	1.72 H	326	33.4	3.2
6	4904.00	24.2 AV	54.0	-29.8	1.72 H	326	21.0	3.2
7	7356.00	43.0 PK	74.0	-31.0	1.46 H	233	33.9	9.1
8	7356.00	29.9 AV	54.0	-24.1	1.46 H	233	20.8	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	103.5 PK			1.47 V	36	105.0	-1.5
2	*2452.00	93.2 AV			1.47 V	36	94.7	-1.5
3	2483.50	59.0 PK	74.0	-15.0	1.47 V	36	60.4	-1.4
4	2483.50	44.9 AV	54.0	-9.1	1.47 V	36	46.3	-1.4
5	4904.00	38.8 PK	74.0	-35.2	2.03 V	186	35.6	3.2
6	4904.00	25.5 AV	54.0	-28.5	2.03 V	186	22.3	3.2
7	7356.00	43.6 PK	74.0	-30.4	1.52 V	137	34.5	9.1
8	7356.00	30.0 AV	54.0	-24.0	1.52 V	137	20.9	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Baak (OD)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	113.15	34.3 QP	43.5	-9.2	1.50 H	325	45.1	-10.8
2	142.06	31.2 QP	43.5	-12.3	1.50 H	122	39.6	-8.4
3	348.72	34.5 QP	46.0	-11.5	1.00 H	27	41.0	-6.5
4	390.04	38.1 QP	46.0	-7.9	2.00 H	345	43.7	-5.6
5	407.23	35.7 QP	46.0	-10.3	2.00 H	319	40.9	-5.2
6	441.06	35.1 QP	46.0	-10.9	2.00 H	95	38.9	-3.8
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	45.28	36.1 QP	40.0	-3.9	1.00 V	178	44.4	-8.3
2	112.86	31.9 QP	43.5	-11.6	1.00 V	360	42.7	-10.8
3	345.64	39.8 QP	46.0	-6.2	1.50 V	182	46.3	-6.5
4	413.15	37.7 QP	46.0	-8.3	1.50 V	360	42.7	-5.0
5	445.38	36.2 QP	46.0	-9.8	1.00 V	0	40.0	-3.8
6	484.06	37.6 QP	46.0	-8.4	1.00 V	16	41.0	-3.4

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

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4.1.10 Test Results (Mode 4)

Sector Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	55.9 PK	74.0	-18.1	1.46 H	360	57.5	-1.6
2	2390.00	44.0 AV	54.0	-10.0	1.46 H	360	45.6	-1.6
3	*2412.00	108.0 PK			1.46 H	360	109.5	-1.5
4	*2412.00	105.9 AV			1.46 H	360	107.4	-1.5
5	4824.00	34.7 PK	74.0	-39.3	1.62 H	32	31.7	3.0
6	4824.00	18.9 AV	54.0	-35.1	1.62 H	32	15.9	3.0
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	55.1 PK	74.0	-18.9	1.00 V	360	56.7	-1.6
2	2390.00	43.3 AV	54.0	-10.7	1.00 V	360	44.9	-1.6
3	*2412.00	106.9 PK			1.00 V	360	108.4	-1.5
4	*2412.00	104.6 AV			1.00 V	360	106.1	-1.5
5	4824.00	33.3 PK	74.0	-40.7	1.50 V	115	30.3	3.0
6	4824.00	19.0 AV	54.0	-35.0	1.50 V	115	16.0	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	56.0 PK	74.0	-18.0	1.00 H	360	57.6	-1.6
2	2390.00	41.9 AV	54.0	-12.1	1.00 H	360	43.5	-1.6
3	*2437.00	112.0 PK			1.00 H	360	113.5	-1.5
4	*2437.00	109.6 AV			1.00 H	360	111.1	-1.5
5	2483.50	55.2 PK	74.0	-18.8	1.00 H	360	56.6	-1.4
6	2483.50	41.7 AV	54.0	-12.3	1.00 H	360	43.1	-1.4
7	4874.00	37.8 PK	74.0	-36.2	1.65 H	59	34.6	3.2
8	4874.00	23.8 AV	54.0	-30.2	1.65 H	59	20.6	3.2
9	7311.00	42.3 PK	74.0	-31.7	1.82 H	84	33.4	8.9
10	7311.00	28.8 AV	54.0	-25.2	1.82 H	84	19.9	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	54.7 PK	74.0	-19.3	1.00 V	360	56.3	-1.6
2	2390.00	41.6 AV	54.0	-12.4	1.00 V	360	43.2	-1.6
3	*2437.00	109.2 PK			1.00 V	360	110.7	-1.5
4	*2437.00	106.5 AV			1.00 V	360	108.0	-1.5
5	2483.50	55.7 PK	74.0	-18.3	1.00 V	360	57.1	-1.4
6	2483.50	41.4 AV	54.0	-12.6	1.00 V	360	42.8	-1.4
7	4874.00	38.2 PK	74.0	-35.8	1.35 V	222	35.0	3.2
8	4874.00	23.9 AV	54.0	-30.1	1.35 V	222	20.7	3.2
9	7311.00	42.6 PK	74.0	-31.4	1.63 V	32	33.7	8.9
10	7311.00	29.0 AV	54.0	-25.0	1.63 V	32	20.1	8.9

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	.QOLITOT I	AITOL	7112 12 2001 12				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	108.9 PK			1.50 H	20	110.3	-1.4
2	*2462.00	106.4 AV			1.50 H	20	107.8	-1.4
3	2483.50	56.6 PK	74.0	-17.4	1.50 H	20	58.0	-1.4
4	2483.50	44.1 AV	54.0	-9.9	1.50 H	20	45.5	-1.4
5	4924.00	37.2 PK	74.0	-36.8	1.63 H	263	33.9	3.3
6	4924.00	24.1 AV	54.0	-29.9	1.63 H	263	20.8	3.3
7	7386.00	42.5 PK	74.0	-31.5	1.42 H	321	33.4	9.1
8	7386.00	28.9 AV	54.0	-25.1	1.42 H	321	19.8	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	107.8 PK			1.52 V	345	109.2	-1.4
2	*2462.00	105.6 AV			1.52 V	345	107.0	-1.4
3	2483.50	54.4 PK	74.0	-19.6	1.52 V	345	55.8	-1.4
4	2483.50	42.6 AV	54.0	-11.4	1.52 V	345	44.0	-1.4
5	4924.00	38.2 PK	74.0	-35.8	1.56 V	231	34.9	3.3
6	4924.00	23.8 AV	54.0	-30.2	1.56 V	231	20.5	3.3
7	7386.00	42.8 PK	74.0	-31.2	2.10 V	155	33.7	9.1
8	7386.00	28.9 AV	54.0	-25.1	2.10 V	155	19.8	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	65.9 PK	74.0	-8.1	1.00 H	11	67.5	-1.6	
2	2390.00	45.9 AV	54.0	-8.1	1.00 H	11	47.5	-1.6	
3	*2412.00	107.8 PK			1.00 H	11	109.3	-1.5	
4	*2412.00	97.4 AV			1.00 H	11	98.9	-1.5	
5	4824.00	37.4 PK	74.0	-36.6	1.60 H	279	34.4	3.0	
6	4824.00	24.3 AV	54.0	-29.7	1.60 H	279	21.3	3.0	
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 3 M		
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	FACTOR (dB/m)	
NO.	•	LEVEL		_	HEIGHT	ANGLE	VALUE	FACTOR	
	(MHz)	LEVEL (dBuV/m)	(dBuV/m)	(dB)	HEIGHT (m)	ANGLE (Degree)	VALUE (dBuV)	FACTOR (dB/m)	
1	(MHz) 2390.00	LEVEL (dBuV/m) 63.0 PK	(dBuV/m) 74.0	(dB) -11.0	HEIGHT (m) 1.53 V	ANGLE (Degree)	VALUE (dBuV) 64.6	FACTOR (dB/m) -1.6	
1 2	(MHz) 2390.00 2390.00	LEVEL (dBuV/m) 63.0 PK 44.7 AV	(dBuV/m) 74.0	(dB) -11.0	HEIGHT (m) 1.53 V 1.53 V	ANGLE (Degree) 346 346	VALUE (dBuV) 64.6 46.3	FACTOR (dB/m) -1.6 -1.6	

REMARKS:

4824.00

6

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

-30.3

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

1.58 V

234

20.7

3.0

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

54.0

- 4. Margin value = Emission Level Limit value
- 5. " * ": Fundamental frequency.

23.7 AV

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	60.6 PK	74.0	-13.4	1.00 H	7	62.2	-1.6
2	2390.00	44.0 AV	54.0	-10.0	1.00 H	7	45.6	-1.6
3	*2437.00	114.3 PK			1.00 H	7	115.8	-1.5
4	*2437.00	103.8 AV			1.00 H	7	105.3	-1.5
5	2483.50	60.1 PK	74.0	-13.9	1.00 H	7	61.5	-1.4
6	2483.50	43.4 AV	54.0	-10.6	1.00 H	7	44.8	-1.4
7	4874.00	37.9 PK	74.0	-36.1	1.67 H	67	34.7	3.2
8	4874.00	23.9 AV	54.0	-30.1	1.67 H	67	20.7	3.2
9	7311.00	42.2 PK	74.0	-31.8	1.80 H	88	33.3	8.9
10	7311.00	28.9 AV	54.0	-25.1	1.80 H	88	20.0	8.9
		ANTENNA	A POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	59.4 PK	74.0	-14.6	1.90 V	344	61.0	-1.6
2	2390.00	43.4 AV	54.0	-10.6	1.90 V	344	45.0	-1.6
3	*2437.00	112.9 PK			1.90 V	344	114.4	-1.5
4	*2437.00	102.6 AV			1.90 V	344	104.1	-1.5
_					1.90 V	344	59.4	-1.4
5	2483.50	58.0 PK	74.0	-16.0	1.90 V	344	59.4	-1.4
5 6	2483.50 2483.50	58.0 PK 42.5 AV	74.0 54.0	-16.0 -11.5	1.90 V 1.90 V	344	43.9	-1.4
6	2483.50	42.5 AV	54.0	-11.5	1.90 V	344	43.9	-1.4
6	2483.50 4874.00	42.5 AV 37.8 PK	54.0 74.0	-11.5 -36.2	1.90 V 1.37 V	344 235	43.9 34.6	-1.4 3.2

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	.QOLITOT I	AITOL	7112 12 2001 12				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	108.6 PK			1.00 H	360	110.0	-1.4
2	*2462.00	98.3 AV			1.00 H	360	99.7	-1.4
3	2483.50	64.2 PK	74.0	-9.8	1.00 H	360	65.6	-1.4
4	2483.50	45.6 AV	54.0	-8.4	1.00 H	360	47.0	-1.4
5	4924.00	37.1 PK	74.0	-36.9	1.57 H	250	33.8	3.3
6	4924.00	23.8 AV	54.0	-30.2	1.57 H	250	20.5	3.3
7	7386.00	42.0 PK	74.0	-32.0	1.43 H	335	32.9	9.1
8	7386.00	28.5 AV	54.0	-25.5	1.43 H	335	19.4	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	108.6 PK			3.00 V	341	110.0	-1.4
2	*2462.00	98.4 AV			3.00 V	341	99.8	-1.4
3	2483.50	62.7 PK	74.0	-11.3	3.00 V	341	64.1	-1.4
4	2483.50	44.2 AV	54.0	-9.8	3.00 V	341	45.6	-1.4
5	4924.00	38.8 PK	74.0	-35.2	1.54 V	239	35.5	3.3
6	4924.00	24.2 AV	54.0	-29.8	1.54 V	239	20.9	3.3
7	7386.00	42.7 PK	74.0	-31.3	2.15 V	156	33.6	9.1
8	7386.00	29.0 AV	54.0	-25.0	2.15 V	156	19.9	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	66.1 PK	74.0	-7.9	1.00 H	360	67.7	-1.6	
2	2390.00	45.2 AV	54.0	-8.8	1.00 H	360	46.8	-1.6	
3	*2412.00	107.2 PK			1.00 H	360	108.7	-1.5	
4	*2412.00	96.2 AV			1.00 H	360	97.7	-1.5	
5	4824.00	36.7 PK	74.0	-37.3	1.59 H	262	33.7	3.0	
6	4824.00	23.6 AV	54.0	-30.4	1.59 H	262	20.6	3.0	
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	62.8 PK	74.0	-11.2	1.52 V	347	64.4	-1.6	
2	2390.00	44.2 AV	54.0	-9.8	1.52 V	347	45.8	-1.6	

REMARKS:

4

5

6

*2412.00

*2412.00

4824.00

4824.00

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

-34.6

-29.4

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

1.52 V

1.52 V

1.58 V

1.58 V

347

347

227

227

108.6

97.0

36.4

21.6

-1.5

-1.5

3.0

3.0

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

74.0

54.0

- 4. Margin value = Emission Level Limit value
- 5. " * ": Fundamental frequency.

107.1 PK

95.5 AV

39.4 PK

24.6 AV

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		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	2390.00	61.2 PK	74.0	-12.8	1.00 H	11	62.8	-1.6			
2	2390.00	44.1 AV	54.0	-9.9	1.00 H	11	45.7	-1.6			
3	*2437.00	114.7 PK			1.00 H	11	116.2	-1.5			
4	*2437.00	103.6 AV			1.00 H	11	105.1	-1.5			
5	2483.50	59.4 PK	74.0	-14.6	1.00 H	11	60.8	-1.4			
6	2483.50	43.2 AV	54.0	-10.8	1.00 H	11	44.6	-1.4			
7	4874.00	37.5 PK	74.0	-36.5	1.64 H	62	34.3	3.2			
8	4874.00	23.4 AV	54.0	-30.6	1.64 H	62	20.2	3.2			
9	7311.00	42.3 PK	74.0	-31.7	1.85 H	84	33.4	8.9			
10	7311.00	28.5 AV	54.0	-25.5	1.85 H	84	19.6	8.9			
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	61.5 PK	74.0	-12.5	1.56 V	345	63.1	-1.6			
2	2390.00	43.6 AV	54.0	-10.4	1.56 V	345	45.2	-1.6			
3	*2437.00										
	2437.00	114.0 PK			1.56 V	345	115.5	-1.5			
4	*2437.00	114.0 PK 102.4 AV			1.56 V 1.56 V	345 345	115.5 103.9	-1.5 -1.5			
			74.0	-16.1							
4	*2437.00	102.4 AV	74.0 54.0	-16.1 -11.5	1.56 V	345	103.9	-1.5			
4 5	*2437.00 2483.50	102.4 AV 57.9 PK			1.56 V 1.56 V	345 354	103.9 59.3	-1.5 -1.4			
4 5 6	*2437.00 2483.50 2483.50	102.4 AV 57.9 PK 42.5 AV	54.0	-11.5	1.56 V 1.56 V 1.56 V	345 354 354	103.9 59.3 43.9	-1.5 -1.4 -1.4			
4 5 6 7	*2437.00 2483.50 2483.50 4874.00	102.4 AV 57.9 PK 42.5 AV 38.1 PK	54.0 74.0	-11.5 -35.9	1.56 V 1.56 V 1.56 V 1.32 V	345 354 354 209	103.9 59.3 43.9 34.9	-1.5 -1.4 -1.4 3.2			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	.QOLITOT I	AITOL	7112 10 2001 12				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	109.9 PK			1.00 H	7	111.3	-1.4
2	*2462.00	98.7 AV			1.00 H	7	100.1	-1.4
3	2483.50	68.5 PK	74.0	-5.5	1.00 H	7	69.9	-1.4
4	2483.50	46.5 AV	54.0	-7.5	1.00 H	7	47.9	-1.4
5	4924.00	37.5 PK	74.0	-36.5	1.62 H	266	34.2	3.3
6	4924.00	24.3 AV	54.0	-29.7	1.62 H	266	21.0	3.3
7	7386.00	42.8 PK	74.0	-31.2	1.41 H	314	33.7	9.1
8	7386.00	28.9 AV	54.0	-25.1	1.41 H	314	19.8	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	108.3 PK			1.57 V	343	109.7	-1.4
2	*2462.00	97.8 AV			1.57 V	343	99.2	-1.4
3	2483.50	65.9 PK	74.0	-8.1	1.57 V	343	67.3	-1.4
4	2483.50	45.2 AV	54.0	-8.8	1.57 V	343	46.6	-1.4
5	4924.00	38.3 PK	74.0	-35.7	1.60 V	246	35.0	3.3
6	4924.00	23.8 AV	54.0	-30.2	1.60 V	246	20.5	3.3
7	7386.00	42.8 PK	74.0	-31.2	2.13 V	153	33.7	9.1
8	7386.00	29.1 AV	54.0	-24.9	2.13 V	153	20.0	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	60.1 PK	74.0	-13.9	1.00 H	6	61.7	-1.6		
2	2390.00	46.4 AV	54.0	-7.6	1.00 H	6	48.0	-1.6		
3	*2422.00	101.1 PK			1.00 H	6	102.7	-1.6		
4	*2422.00	89.9 AV			1.00 H	6	91.5	-1.6		
5	4844.00	37.1 PK	74.0	-36.9	1.63 H	248	34.0	3.1		
6	4844.00	23.7 AV	54.0	-30.3	1.63 H	248	20.6	3.1		
7	7266.00	42.5 PK	74.0	-31.5	1.37 H	307	33.6	8.9		
8	7266.00	28.9 AV	54.0	-25.1	1.37 H	307	20.0	8.9		
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	59.1 PK	74.0	-14.9	1.61 V	347	60.7	-1.6		
2	2390.00	40.5.4\/	540	7.5				4.0		
_	2330.00	46.5 AV	54.0	-7.5	1.61 V	347	48.1	-1.6		
3	*2422.00	46.5 AV 100.9 PK	54.0	-7.5	1.61 V 1.61 V	347 347	48.1 102.5	-1.6 -1.6		
			54.0	-7.5		•				
3	*2422.00	100.9 PK	74.0	-7.5	1.61 V	347	102.5	-1.6		
3	*2422.00 *2422.00	100.9 PK 89.0 AV		-	1.61 V 1.61 V	347 347	102.5 90.6	-1.6 -1.6		
3 4 5	*2422.00 *2422.00 4844.00	100.9 PK 89.0 AV 39.2 PK	74.0	-34.8	1.61 V 1.61 V 1.54 V	347 347 249	102.5 90.6 36.1	-1.6 -1.6 3.1		

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	63.3 PK	74.0	-10.7	1.00 H	10	64.9	-1.6
2	2390.00	47.6 AV	54.0	-6.4	1.00 H	10	49.2	-1.6
3	*2437.00	105.6 PK			1.00 H	10	107.1	-1.5
4	*2437.00	93.8 AV			1.00 H	10	95.3	-1.5
5	2483.50	66.6 PK	74.0	-7.4	1.00 H	10	68.0	-1.4
6	2483.50	44.9 AV	54.0	-9.1	1.00 H	10	46.3	-1.4
7	4874.00	37.7 PK	74.0	-36.3	1.61 H	66	34.5	3.2
8	4874.00	23.5 AV	54.0	-30.5	1.61 H	66	20.3	3.2
9	7311.00	42.4 PK	74.0	-31.6	1.83 H	84	33.5	8.9
10	7311.00	28.9 AV	54.0	-25.1	1.83 H	84	20.0	8.9
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	61.9 PK	74.0	-12.1	1.52 V	346	63.5	-1.6
2	2390.00	46.8 AV	54.0	-7.2	1.52 V	346	48.4	-1.6
3	*2437.00	103.6 PK			1.52 V	346	105.1	-1.5
4	*2437.00	92.1 AV			1.52 V	346	93.6	-1.5
5	2483.50	64.4 PK	74.0	-9.6	1.52 V	346	65.8	-1.4
6	2483.50	43.8 AV	54.0	-10.2	1.52 V	346	45.2	-1.4
7	4874.00	38.4 PK	74.0	-35.6	1.30 V	227	35.2	3.2
8	4874.00	24.2 AV	54.0	-29.8	1.30 V	227	21.0	3.2
9	7311.00	42.8 PK	74.0	-31.2	1.60 V	25	33.9	8.9
10	7311.00	29.0 AV	54.0	-25.0	1.60 V	25	20.1	8.9

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

1 1/4	QUEINCT IN	ANGL	10112 ~ 250112	-			, worago (, t	- /
		ANTENN	IA POLARITY 8	& TEST DIS	STANCE: HO	RIZONTAL	AT 3 M	
NO.	FREQ. (MHz)	EMISSIO LEVEL (dBuV/m	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	103.2 Pł	<		1.00 H	9	104.7	-1.5
2	*2452.00	91.2 AV	'		1.00 H	9	92.7	-1.5
3	2483.50	64.4 PK	74.0	-9.6	1.00 H	9	65.8	-1.4
4	2483.50	43.1 AV	54.0	-10.9	1.00 H	9	44.5	-1.4
5	4904.00	37.0 PK	74.0	-37.0	1.66 H	277	33.8	3.2
6	4904.00	24.0 AV	54.0	-30.0	1.66 H	277	20.8	3.2
7	7356.00	42.7 PK	74.0	-31.3	1.47 H	322	33.6	9.1
8	7356.00	28.9 AV	54.0	-25.1	1.47 H	322	19.8	9.1
		ANTEN	INA POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 3 M	
NO.	FREQ. (MHz)	EMISSIO LEVEL (dBuV/m	(dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	101.8 PI	<		1.57 V	346	103.3	-1.5
2	*2452.00	90.0 AV	'		1.57 V	346	91.5	-1.5
3	2483.50	60.4 PK	74.0	-13.6	1.57 V	346	61.8	-1.4
4	2483.50	42.4 AV	54.0	-11.6	1.57 V	346	43.8	-1.4
5	4904.00	38.4 PK	74.0	-35.6	1.61 V	232	35.2	3.2
6	4904.00	24.0 AV	54.0	-30.0	1.61 V	232	20.8	3.2
7	7356.00	42.7 PK	74.0	-31.3	2.11 V	147	33.6	9.1
8	7356.00	28.8 AV	54.0	-25.2	2.11 V	147	19.7	9.1

- 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.

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Below 1GHz Data:

802.11b

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Ougai Back (OB)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

	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	113.59	36.7 QP	43.5	-6.8	1.50 H	300	47.5	-10.8
2	139.25	34.9 QP	43.5	-8.6	2.00 H	85	43.5	-8.6
3	207.51	34.3 QP	43.5	-9.2	1.00 H	190	45.9	-11.6
4	359.97	36.4 QP	46.0	-9.6	1.00 H	37	42.7	-6.3
5	412.11	37.4 QP	46.0	-8.6	2.00 H	309	42.4	-5.0
6	485.85	34.8 QP	46.0	-11.2	1.50 H	360	38.2	-3.4
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	45.13	34.2 QP	40.0	-5.8	1.00 V	181	42.4	-8.2
2	106.73	34.6 QP	43.5	-8.9	1.00 V	218	46.0	-11.4
3	358.59	39.1 QP	46.0	-6.9	1.00 V	300	45.4	-6.3
4	380.70	42.3 QP	46.0	-3.7	1.00 V	275	48.1	-5.8
5	421.25	37.5 QP	46.0	-8.5	1.00 V	260	42.2	-4.7
6	489.20	38.8 QP	46.0	-7.2	1.50 V	262	42.1	-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

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Omnidirectional Antenna

Above 1GHz Data:

802.11b

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	55.0 PK	74.0	-19.0	1.03 H	360	56.6	-1.6
2	2390.00	43.3 AV	54.0	-10.7	1.03 H	360	44.9	-1.6
3	*2412.00	105.4 PK			1.03 H	360	106.9	-1.5
4	*2412.00	103.3 AV			1.03 H	360	104.8	-1.5
5	4824.00	33.1 PK	74.0	-40.9	1.48 H	117	30.1	3.0
6	4824.00	18.9 AV	54.0	-35.1	1.48 H	117	15.9	3.0
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	55.6 PK	74.0	-18.4	1.41 V	360	57.2	-1.6
2	2390.00	43.7 AV	54.0	-10.3	1.41 V	360	45.3	-1.6
3	*2412.00	107.3 PK			1.41 V	360	108.8	-1.5
4	*2412.00	105.1 AV			1.41 V	360	106.6	-1.5
5	4824.00	34.8 PK	74.0	-39.2	1.62 V	25	31.8	3.0
6	4824.00	18.8 AV	54.0	-35.2	1.62 V	25	15.8	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	54.8 PK	74.0	-19.2	1.03 H	360	56.4	-1.6	
2	2390.00	41.4 AV	54.0	-12.6	1.03 H	360	43.0	-1.6	
3	*2437.00	108.8 PK			1.03 H	360	110.3	-1.5	
4	*2437.00	105.9 AV			1.03 H	360	107.4	-1.5	
5	2483.50	55.5 PK	74.0	-18.5	1.03 H	360	56.9	-1.4	
6	2483.50	41.1 AV	54.0	-12.9	1.03 H	360	42.5	-1.4	
7	4874.00	37.8 PK	74.0	-36.2	1.35 H	213	34.6	3.2	
8	4874.00	23.6 AV	54.0	-30.4	1.35 H	213	20.4	3.2	
9	7311.00	42.1 PK	74.0	-31.9	1.68 H	28	33.2	8.9	
10	7311.00	28.5 AV	54.0	-25.5	1.68 H	28	19.6	8.9	
		ANTENNA	POLARITY	& TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	56.3 PK	74.0	-17.7	1.04 V	360	57.9	-1.6	
2	2390.00	42.2 AV	54.0	-11.8	1.04 V	360	43.8	-1.6	
3	*2437.00	111.3 PK			1.04 V	360	112.8	-1.5	
4	*2437.00	108.7 AV			1.04 V	360	110.2	-1.5	
5	2483.50	55.3 PK	74.0	-18.7	1.04 V	360	56.7	-1.4	
6	2483.50	41.8 AV	54.0	-12.2	1.04 V	360	43.2	-1.4	
7	4874.00	38.2 PK	74.0	-35.8	1.61 V	44	35.0	3.2	
8	4874.00	24.3 AV	54.0	-29.7	1.61 V	44	21.1	3.2	
9	7311.00	43.0 PK	74.0	-31.0	1.78 V	79	34.1	8.9	
10	7311.00	29.2 AV	54.0	-24.8	1.78 V	79	20.3	8.9	

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	.QOLITOT I	AITOL	7112 10 200112					,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	107.5 PK			1.48 H	351	108.9	-1.4
2	*2462.00	105.1 AV			1.48 H	351	106.5	-1.4
3	2483.50	54.1 PK	74.0	-19.9	1.48 H	351	55.5	-1.4
4	2483.50	42.2 AV	54.0	-11.8	1.48 H	351	43.6	-1.4
5	4924.00	38.2 PK	74.0	-35.8	1.54 H	220	34.9	3.3
6	4924.00	23.9 AV	54.0	-30.1	1.54 H	220	20.6	3.3
7	7386.00	42.4 PK	74.0	-31.6	2.13 H	160	33.3	9.1
8	7386.00	28.4 AV	54.0	-25.6	2.13 H	160	19.3	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	108.2 PK			1.56 V	6	109.6	-1.4
2	*2462.00	105.9 AV			1.56 V	6	107.3	-1.4
3	2483.50	56.8 PK	74.0	-17.2	1.56 V	6	58.2	-1.4
4	2483.50	44.0 AV	54.0	-10.0	1.56 V	6	45.4	-1.4
5	4924.00	37.3 PK	74.0	-36.7	1.66 V	265	34.0	3.3
6	4924.00	24.4 AV	54.0	-29.6	1.66 V	265	21.1	3.3
7	7386.00	42.4 PK	74.0	-31.6	1.46 V	310	33.3	9.1
8	7386.00	29.0 AV	54.0	-25.0	1.46 V	310	19.9	9.1

- 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.

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802.11g

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	62.9 PK	74.0	-11.1	1.53 H	331	64.5	-1.6
2	2390.00	44.7 AV	54.0	-9.3	1.53 H	331	46.3	-1.6
3	*2412.00	107.0 PK			1.53 H	331	108.5	-1.5
4	*2412.00	96.9 AV			1.53 H	331	98.4	-1.5
5	4824.00	38.4 PK	74.0	-35.6	1.60 H	230	35.4	3.0
6	4824.00	24.0 AV	54.0	-30.0	1.60 H	230	21.0	3.0
	ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							
NO.	FREQ.	EMISSION LEVEL	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT	TABLE ANGLE	RAW VALUE	CORRECTION FACTOR

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	2390.00	66.1 PK	74.0	-7.9	1.04 V	17	67.7	-1.6
2	2390.00	46.2 AV	54.0	-7.8	1.04 V	17	47.8	-1.6
3	*2412.00	107.1 PK			1.04 V	17	108.6	-1.5
4	*2412.00	96.9 AV			1.04 V	17	98.4	-1.5
5	4824.00	37.5 PK	74.0	-36.5	1.59 V	269	34.5	3.0
6	4824.00	24.5 AV	54.0	-29.5	1.59 V	269	21.5	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	59.5 PK	74.0	-14.5	1.88 H	334	61.1	-1.6			
2	2390.00	43.4 AV	54.0	-10.6	1.88 H	334	45.0	-1.6			
3	*2437.00	112.4 PK			1.88 H	334	113.9	-1.5			
4	*2437.00	102.1 AV			1.88 H	334	103.6	-1.5			
5	2483.50	57.9 PK	74.0	-16.1	1.88 H	334	59.3	-1.4			
6	2483.50	42.6 AV	54.0	-11.4	1.88 H	334	44.0	-1.4			
7	4874.00	38.0 PK	74.0	-36.0	1.35 H	226	34.8	3.2			
8	4874.00	23.7 AV	54.0	-30.3	1.35 H	226	20.5	3.2			
9	7311.00	41.9 PK	74.0	-32.1	1.64 H	50	33.0	8.9			
10	7311.00	28.8 AV	54.0	-25.2	1.64 H	50	19.9	8.9			
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	60.5 PK	74.0	-13.5	1.07 V	17	62.1	-1.6			
2	2390.00	43.9 AV	54.0	-10.1	1.07 V	17	45.5	-1.6			
3	*2437.00	113.9 PK			1.07 V	17	115.4	-1.5			
4	*2437.00	103.2 AV			1.07 V	17	104.7	-1.5			
5	2483.50	59.5 PK	74.0	-14.5	1.07 V	17	60.9	-1.4			
6	2483.50	42.9 AV	54.0	-11.1	1.07 V	17	44.3	-1.4			
7	4874.00	37.7 PK	74.0	-36.3	1.72 V	55	34.5	3.2			
8	4874.00	23.6 AV	54.0	-30.4	1.72 V	55	20.4	3.2			
9	7311.00	41.8 PK	74.0	-32.2	1.75 V	92	32.9	8.9			
10	7311.00	28.6 AV	54.0	-25.4	1.75 V	92	19.7	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

/_	.QOLITOT I	AITOL	7112 10 200112				3 - (,
		ANTENNA	POLARITY 8	& TEST DIS	TANCE: HO	RIZONTAL	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	*2462.00	108.2 PK			2.94 H	348	109.6	-1.4
2	*2462.00	97.9 AV			2.94 H	348	99.3	-1.4
3	2483.50	62.6 PK	74.0	-11.4	2.94 H	348	64.0	-1.4
4	2483.50	43.9 AV	54.0	-10.1	2.94 H	348	45.3	-1.4
5	4924.00	39.0 PK	74.0	-35.0	1.49 H	253	35.7	3.3
6	4924.00	24.7 AV	54.0	-29.3	1.49 H	253	21.4	3.3
7	7386.00	42.7 PK	74.0	-31.3	2.19 H	142	33.6	9.1
8	7386.00	29.1 AV	54.0	-24.9	2.19 H	142	20.0	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	108.0 PK			1.03 V	354	109.4	-1.4
2	*2462.00	97.8 AV			1.03 V	354	99.2	-1.4
3	2483.50	64.8 PK	74.0	-9.2	1.03 V	354	66.2	-1.4
4	2483.50	46.1 AV	54.0	-7.9	1.03 V	354	47.5	-1.4
5	4924.00	37.0 PK	74.0	-37.0	1.59 V	254	33.7	3.3
6	4924.00	23.7 AV	54.0	-30.3	1.59 V	254	20.4	3.3
7	7386.00	41.6 PK	74.0	-32.4	1.39 V	323	32.5	9.1
8	7386.00	28.1 AV	54.0	-25.9	1.39 V	323	19.0	9.1

- 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.

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802.11n (HT20)

CHANNEL	TX Channel 1	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	62.3 PK	74.0	-11.7	1.47 H	360	63.9	-1.6			
2	2390.00	43.9 AV	54.0	-10.1	1.47 H	360	45.5	-1.6			
3	*2412.00	105.9 PK			1.47 H	360	107.4	-1.5			
4	*2412.00	94.5 AV			1.47 H	360	96.0	-1.5			
5	4824.00	39.5 PK	74.0	-34.5	1.59 H	233	36.5	3.0			
6	4824.00	24.5 AV	54.0	-29.5	1.59 H	233	21.5	3.0			
		ANTENNA	POLARITY	' & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	66.0 PK	74.0	-8.0	1.05 V	358	67.6	-1.6
2	2390.00	45.4 AV	54.0	-8.6	1.05 V	358	47.0	-1.6
3	*2412.00	106.5 PK			1.05 V	358	108.0	-1.5
4	*2412.00	95.6 AV			1.05 V	358	97.1	-1.5
5	4824.00	36.8 PK	74.0	-37.2	1.61 V	254	33.8	3.0
6	4824.00	23.9 AV	54.0	-30.1	1.61 V	254	20.9	3.0

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	61.8 PK	74.0	-12.2	1.61 H	352	63.4	-1.6			
2	2390.00	43.6 AV	54.0	-10.4	1.61 H	352	45.2	-1.6			
3	*2437.00	113.6 PK			1.61 H	352	115.1	-1.5			
4	*2437.00	102.0 AV			1.61 H	352	103.5	-1.5			
5	2483.50	58.1 PK	74.0	-15.9	1.61 H	352	59.5	-1.4			
6	2483.50	42.7 AV	54.0	-11.3	1.61 H	352	44.1	-1.4			
7	4874.00	38.4 PK	74.0	-35.6	1.29 H	213	35.2	3.2			
8	4874.00	24.0 AV	54.0	-30.0	1.29 H	213	20.8	3.2			
9	7311.00	42.9 PK	74.0	-31.1	1.62 H	24	34.0	8.9			
10	7311.00	29.2 AV	54.0	-24.8	1.62 H	24	20.3	8.9			
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	61.5 PK	74.0	-12.5	1.00 V	7	63.1	-1.6			
2	2390.00	44.2 AV	54.0	-9.8	1.00 V	7	45.8	-1.6			
3	*2437.00	113.8 PK			1.07 V	1	115.3	-1.5			
4	*2437.00	102.5 AV			1.07 V	1	104.0	-1.5			
5	2483.50	59.7 PK	74.0	-14.3	1.07 V	1	61.1	-1.4			
6	2483.50	43.4 AV	54.0	-10.6	1.07 V	1	44.8	-1.4			
7	4874.00	37.2 PK	74.0	-36.8	1.58 V	77	34.0	3.2			
	4874.00	23.3 AV	54.0	-30.7	1.58 V	77	20.1	3.2			
8											
9	7311.00	42.7 PK	74.0	-31.3	1.81 V	82	33.8	8.9			

- 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.

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CHANNEL	TX Channel 11	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUENUT I	, area	7112 200112					<u> </u>
		ANTENNA	POLARITY :	& TEST DIS	STANCE: HO	PIZONTAI	ΔТЗМ	
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	*2462.00	107.5 PK			1.54 H	343	108.9	-1.4
2	*2462.00	97.1 AV			1.54 H	343	98.5	-1.4
3	2483.50	66.2 PK	74.0	-7.8	1.54 H	343	67.6	-1.4
4	2483.50	45.6 AV	54.0	-8.4	1.54 H	343	47.0	-1.4
5	4924.00	38.9 PK	74.0	-35.1	1.55 H	234	35.6	3.3
6	4924.00	24.1 AV	54.0	-29.9	1.55 H	234	20.8	3.3
7	7386.00	42.7 PK	74.0	-31.3	2.15 H	160	33.6	9.1
8	7386.00	29.0 AV	54.0	-25.0	2.15 H	160	19.9	9.1
		ANTENNA	POLARITY	& TEST D	ISTANCE: V	ERTICAL A	T 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	*2462.00	109.3 PK			1.06 V	11	110.7	-1.4
2	*2462.00	98.4 AV			1.06 V	11	99.8	-1.4
3	2483.50	68.1 PK	74.0	-5.9	1.06 V	11	69.5	-1.4
4	2483.50	46.2 AV	54.0	-7.8	1.06 V	11	47.6	-1.4
5	4924.00	37.5 PK	74.0	-36.5	1.57 V	255	34.2	3.3
6	4924.00	24.5 AV	54.0	-29.5	1.57 V	255	21.2	3.3
7	7386.00	42.3 PK	74.0	-31.7	1.40 V	306	33.2	9.1
8	7386.00	28.6 AV	54.0	-25.4	1.40 V	306	19.5	9.1

- 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.

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802.11n (HT40)

CHANNEL	TX Channel 3	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	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	2390.00	59.6 PK	74.0	-14.4	1.59 H	355	61.2	-1.6			
2	2390.00	46.8 AV	54.0	-7.2	1.59 H	355	48.4	-1.6			
3	*2422.00	99.6 PK			1.59 H	355	101.2	-1.6			
4	*2422.00	87.8 AV			1.59 H	355	89.4	-1.6			
5	4844.00	39.3 PK	74.0	-34.7	1.54 H	255	36.2	3.1			
6	4844.00	24.7 AV	54.0	-29.3	1.54 H	255	21.6	3.1			
7	7266.00	43.1 PK	74.0	-30.9	2.25 H	148	34.2	8.9			
8	7266.00	29.2 AV	54.0	-24.8	2.25 H	148	20.3	8.9			
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	60.6 PK	74.0	-13.4	1.03 V	14	62.2	-1.6			
2	2390.00	46.6 AV	54.0	-7.4	1.03 V	14	48.2	-1.6			
3	*2422.00	100.5 PK			1.03 V	14	102.1	-1.6			
4	*2422.00	89.2 AV			1.03 V	14	90.8	-1.6			
5	4844.00	36.9 PK	74.0	-37.1	1.69 V	253	33.8	3.1			
6	4844.00	23.4 AV	54.0	-30.6	1.69 V	253	20.3	3.1			
7	7266.00	43.1 PK	74.0	-30.9	1.37 V	294	34.2	8.9			
8	7266.00	29.3 AV	54.0	-24.7	1.37 V	294	20.4	8.9			

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.

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CHANNEL	TX Channel 6	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

		ANTENNA	POLARITY &	& TEST DIS	TANCE: HO	RIZONTAL	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	2390.00	61.9 PK	74.0	-12.1	1.56 H	333	63.5	-1.6
2	2390.00	46.5 AV	54.0	-7.5	1.56 H	333	48.1	-1.6
3	*2437.00	103.3 PK			1.56 H	333	104.8	-1.5
4	*2437.00	91.5 AV			1.56 H	333	93.0	-1.5
5	2483.50	64.4 PK	74.0	-9.6	1.56 H	333	65.8	-1.4
6	2483.50	43.9 AV	54.0	-10.1	1.56 H	333	45.3	-1.4
7	4874.00	38.8 PK	74.0	-35.2	1.26 H	225	35.6	3.2
8	4874.00	24.4 AV	54.0	-29.6	1.26 H	225	21.2	3.2
9	7311.00	42.2 PK	74.0	-31.8	1.59 H	20	33.3	8.9
10	7311.00	28.7 AV	54.0	-25.3	1.59 H	20	19.8	8.9
		ANTENNA	POLARITY	/ & TEST DI	STANCE: V	ERTICAL A	T 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	2390.00	63.7 PK	74.0	-10.3	1.00 V	9	65.3	-1.6
2	2390.00	47.8 AV	54.0	-6.2	1.00 V	9	49.4	-1.6
3	*2437.00	105.2 PK			1.00 V	9	106.7	-1.5
4	*2437.00	93.2 AV			1.00 V	9	94.7	-1.5
5	2483.50	66.4 PK	74.0	-7.6	1.00 V	9	67.8	-1.4
6	2483.50	44.9 AV	54.0	-9.1	1.00 V	9	46.3	-1.4
7	4874.00	37.0 PK	74.0	-37.0	1.66 V	77	33.8	3.2
8	4874.00	23.0 AV	54.0	-31.0	1.66 V	77	19.8	3.2
9	7311.00	42.3 PK	74.0	-31.7	1.78 V	95	33.4	8.9
10	7311.00	29.1 AV	54.0	-24.9	1.78 V	95	20.2	8.9

- 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.

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CHANNEL	TX Channel 9	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz	FUNCTION	Average (AV)

	QUEINCT IN	AITOL	71 12 ~ 2501 12	-			3 - (<u>'</u>
		ΔΝΤΕΝΝΔ	POLARITY A	& TEST DIS	STANCE: HO	RIZONTAL	ΔΤ 3 Μ	
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	*2452.00	100.9 PK			1.58 H	360	102.4	-1.5
2	*2452.00	89.0 AV			1.58 H	360	90.5	-1.5
3	2483.50	60.6 PK	74.0	-13.4	1.58 H	360	62.0	-1.4
4	2483.50	42.5 AV	54.0	-11.5	1.58 H	360	43.9	-1.4
5	4904.00	38.5 PK	74.0	-35.5	1.65 H	247	35.3	3.2
6	4904.00	24.0 AV	54.0	-30.0	1.65 H	247	20.8	3.2
7	7356.00	42.4 PK	74.0	-31.6	2.11 H	161	33.3	9.1
8	7356.00	28.4 AV	54.0	-25.6	2.11 H	161	19.3	9.1
		ANTENNA	A POLARITY	/ & TEST D	ISTANCE: V	ERTICAL A	T 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	*2452.00	102.5 PK			1.02 V	8	104.0	-1.5
2	*2452.00	90.7 AV			1.02 V	8	92.2	-1.5
3	2483.50	64.9 PK	74.0	-9.1	1.02 V	8	66.3	-1.4
4	2483.50	43.4 AV	54.0	-10.6	1.02 V	8	44.8	-1.4
5	4904.00	37.0 PK	74.0	-37.0	1.68 V	271	33.8	3.2
6	4904.00	23.9 AV	54.0	-30.1	1.68 V	271	20.7	3.2
7	7356.00	43.0 PK	74.0	-31.0	1.43 V	336	33.9	9.1
8	7356.00	29.1 AV	54.0	-24.9	1.43 V	336	20.0	9.1

- 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.

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Below 1GHz Data

802.11b

CHANNEL	TX Channel 6	DETECTOR	Ougai Baak (OD)
FREQUENCY RANGE	9kHz ~ 1GHz	FUNCTION	Quasi-Peak (QP)

		ANTENNA	POLARITY	& TEST DIS	TANCE: HO	RIZONTAL	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	113.42	33.1 QP	43.5	-10.4	1.50 H	305	43.9	-10.8
2	140.05	32.8 QP	43.5	-10.7	1.00 H	284	41.4	-8.6
3	349.93	34.2 QP	46.0	-11.8	1.00 H	29	40.7	-6.5
4	388.61	38.2 QP	46.0	-7.8	2.00 H	354	43.9	-5.7
5	411.57	35.2 QP	46.0	-10.8	2.00 H	309	40.2	-5.0
6	440.24	35.0 QP	46.0	-11.0	2.00 H	91	38.8	-3.8
		ANTENNA	POLARITY	4 & TEST DI	STANCE: V	ERTICAL A	T 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	45.74	35.9 QP	40.0	-4.1	1.00 V	154	44.2	-8.3
2	113.08	33.0 QP	43.5	-10.5	1.00 V	323	43.8	-10.8
3	257.44	31.4 QP	46.0	-14.6	1.50 V	241	40.7	-9.3
4	352.28	39.7 QP	46.0	-6.3	1.50 V	165	46.2	-6.5
5	415.19	37.7 QP	46.0	-8.3	2.00 V	360	42.6	-4.9
6	486.34	37.3 QP	46.0	-8.7	1.00 V	40	40.7	-3.4

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

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4.2 Conducted Output Power Measurement

4.2.1 Limits of Conducted Output Power Measurement

For systems using digital modulation in the 2400-2483.5 MHz bands: 1 Watt (30dBm)

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

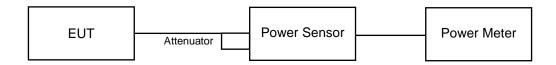
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \le 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths \geq 40 MHz for any N_{ANT};

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \ge 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

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 Procedures

An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor. Record the power level.

4.2.5 Deviation from Test Standard

No deviation.

4.2.6 EUT Operating Conditions

Same as Item 4.3.6.

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4.2.7 Test Results (Mode 1)

CDD Mode

802.11b

Chan. Freq.		A	Average Po	ower (dBm)	Total Power (mW)	Total Power	Limit	Pass / Fail
Chan.	(MHz)	Chain 0	Chain 1	Chain 2	Chain 3		(dBm)	(dBm)	Pass/Fall
1	2412	18.33	18.65	18.92	18.99	298.592	24.75	30.00	Pass
6	2437	21.16	21.34	22.00	21.43	564.245	27.51	30.00	Pass
11	2462	18.06	18.44	18.78	18.49	279.937	24.47	30.00	Pass

802.11g

_	Chan.	A	Average Power (dBm)			Total	Total	Limit	Doos / Foil	
Chan.	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Chain 3 Power Pow (mW) (dBn		(dBm)	(dBm)	Pass / Fail	
1	2412	14.23	14.88	15.03	14.36	116.378	20.66	30.00	Pass	
6	2437	21.12	21.56	21.98	20.67	547.081	27.38	30.00	Pass	
11	2462	14.89	15.44	16.26	15.14	140.753	21.48	30.00	Pass	

Beamforming Mode

802.11n (HT20)

Chan.		A	Average Po	ower (dBm)	Total	Total	Limit	Doos / Foil	
Chan.	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Chain 3	Power (mW)			Pass / Fail	
1	2412	14.26	14.78	15.72	14.26	120.724	20.82	23.98	Pass	
6	2437	16.25	17.09	17.26	17.12	198.072	22.97	23.98	Pass	
11	2462	14.88	15.22	15.63	14.78	130.647	21.16	23.98	Pass	

Note: Directional gain = 6dBi + 10log(4) = 12.02dBi > 6dBi, so the power limit shall be reduced to 30-(12.02-6) = 23.98dBm.

802.11n (HT40)

Chan	Chan.	Chan. Average Power (dBm) Freq.		Total	Total	Limit	Dogg / Fail			
Chan.	(MHz)	Chain 0	Chain 1	Chain 2	Chain 3	Power (mW)	Power (dBm)	(dBm)	Pass / Fail	
3	2422	10.29	11.12	11.45	10.22	48.117	16.82	23.98	Pass	
6	2437	13.29	13.82	14.28	13.49	94.557	19.76	23.98	Pass	
9	2452	10.02	10.79	11.14	10.42	46.058	16.63	23.98	Pass	

Note: Directional gain = 6dBi + 10log(4) = 12.02dBi > 6dBi, so the power limit shall be reduced to 30-(12.02-6) = 23.98dBm.

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4.2.8 Test Results (Mode 2)

CDD Mode

802.11b

Chan. Freq.		Ave	rage Power (d	Bm)	Total Power	Total Power	Limit	Pass / Fail
Chan.	Freq. (MHz)	Chain 0	Chain 1	Chain 2	(mW)	(dBm)	(dBm)	Pass/Fall
1	2412	18.80	19.22	19.40	246.514	23.92	30.00	Pass
6	2437	21.35	21.45	22.06	436.789	26.40	30.00	Pass
11	2462	18.51	18.94	19.26	233.634	23.69	30.00	Pass

802.11g

Chan	Chan.			Bm)	Total	Total	Limit	Doos / Foil
Chan.	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Power (mW)	Power (dBm)	(dBm)	Pass / Fail
1	2412	14.58	15.16	12.38	78.816	18.97	30.00	Pass
6	2437	21.12	21.59	21.99	431.757	26.35	30.00	Pass
11	2462	15.13	15.69	16.54	114.734	20.60	30.00	Pass

Beamforming Mode

802.11n (HT20)

Chan.	Chan.	Average Power (dBm)			Total Power	Total Power	Limit	Pass / Fail
Chan.	n. Freq. (MHz)	Chain 0	Chain 1	Chain 2	(mW)	(dBm)	(dBm)	rass/raii
1	2412	14.52	14.52	15.49	92.028	19.64	25.23	Pass
6	2437	19.65	19.88	20.42	299.686	24.77	25.23	Pass
11	2462	15.01	15.36	15.56	102.027	20.09	25.23	Pass

Note: Directional gain = 6dBi + 10log(3) = 10.77dBi > 6dBi, so the power limit shall be reduced to 30-(10.77-6) = 25.23dBm.

802.11n (HT40)

Chan.	Chan.	Ave	rage Power (d	Bm)	Total	Total Power	Limit	Pass / Fail
Chan.	Freq. (MHz)	Chain 0	Chain 1	Chain 2	Power (mW)	(dBm)	(dBm)	F455 / FAII
3	2422	10.70	11.63	10.75	38.189	15.82	25.23	Pass
6	2437	13.65	14.39	14.82	80.992	19.08	25.23	Pass
9	2452	10.55	11.35	10.92	37.355	15.72	25.23	Pass

Note: Directional gain = 6dBi + 10log(3) = 10.77dBi > 6dBi, so the power limit shall be reduced to 30-(10.77-6) = 25.23dBm.

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4.2.9 Test Results (Mode 3)

CDD Mode

802.11b

Chan.	Freq.	Average Po	ower (dBm)	Total Power	Total Power	Limit	Pass / Fail
Crian.	(MHz)	Chain 1	Chain 2	(mW)	(dBm)	(dBm)	Pass/Fall
1	2412	19.90	20.46	208.897	23.20	30.00	Pass
6	2437	22.02	21.93	315.176	24.99	30.00	Pass
11	2462	19.72	19.94	192.384	22.84	30.00	Pass

802.11g

Chan.	Freq.	Average Po	ower (dBm)	Total Power	Total Power	Limit	Pass / Fail
Chan.	(MHz)	Chain 1	Chain 2	(mW)	(dBm)	(dBm)	Pass/Pall
1	2412	15.79	15.58	74.072	18.70	30.00	Pass
6	2437	21.96	21.17	287.954	24.59	30.00	Pass
11	2462	16.98	16.39	93.439	19.71	30.00	Pass

Beamforming Mode

802.11n (HT20)

Chan	Freq.	Average Po	ower (dBm)	Total	Total	Limit	Dage / Fail	
Chan.	Chan.	(MHz)	Chain 1	Chain 2	Power (mW)	Power (dBm)	(dBm)	Pass / Fail
1	2412	15.96	15.41	74.2	18.70	26.99	Pass	
6	2437	22.39	22.28	342.424	25.35	26.99	Pass	
11	2462	16.41	15.93	82.926	19.19	26.99	Pass	

Note: Directional gain = 6dBi + 10log(2) = 9.01dBi > 6dBi, so the power limit shall be reduced to 30-(9.01-6) = 26.99dBm.

802.11n (HT40)

Chan	Freq.	Average Po	ower (dBm)	Total	Total	Limit	Dogg / Fail
Chan.	(MHz)	Chain 1	Chain 2	Power (mW)	Power (dBm)	(dBm)	Pass / Fail
3	2422	12.23	11.47	30.739	14.88	26.99	Pass
6	2437	15.64	15.24	70.064	18.45	26.99	Pass
9	2452	12.01	11.64	30.473	14.84	26.99	Pass

Note: Directional gain = 6dBi + 10log(2) = 9.01dBi > 6dBi, so the power limit shall be reduced to 30-(9.01-6) = 26.99dBm.

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4.2.10 Test Results (Mode 4)

CDD Mode

802.11b

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass/Fail
1	2412	115.878	20.64	30.00	Pass
6	2437	192.752	22.85	30.00	Pass
11	2462	179.887	22.55	30.00	Pass

802.11g

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass/Fail
1	2412	45.499	16.58	30.00	Pass
6	2437	157.036	21.96	30.00	Pass
11	2462	140.929	21.49	30.00	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass/Fail
1	2412	47.534	16.77	30.00	Pass
6	2437	138.676	21.42	30.00	Pass
11	2462	51.88	17.15	30.00	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Average Power (mW)	Average Power (dBm)	Limit (dBm)	Pass/Fail
3	2422	20.701	13.16	30.00	Pass
6	2437	45.604	16.59	30.00	Pass
9	2452	19.861	12.98	30.00	Pass

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5 Pictures of Test Arrangements
Please refer to the attached file (Test Setup Photo).

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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:

Linko EMC/RF Lab

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-2-26052180 Fax: 886-2-26051924 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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