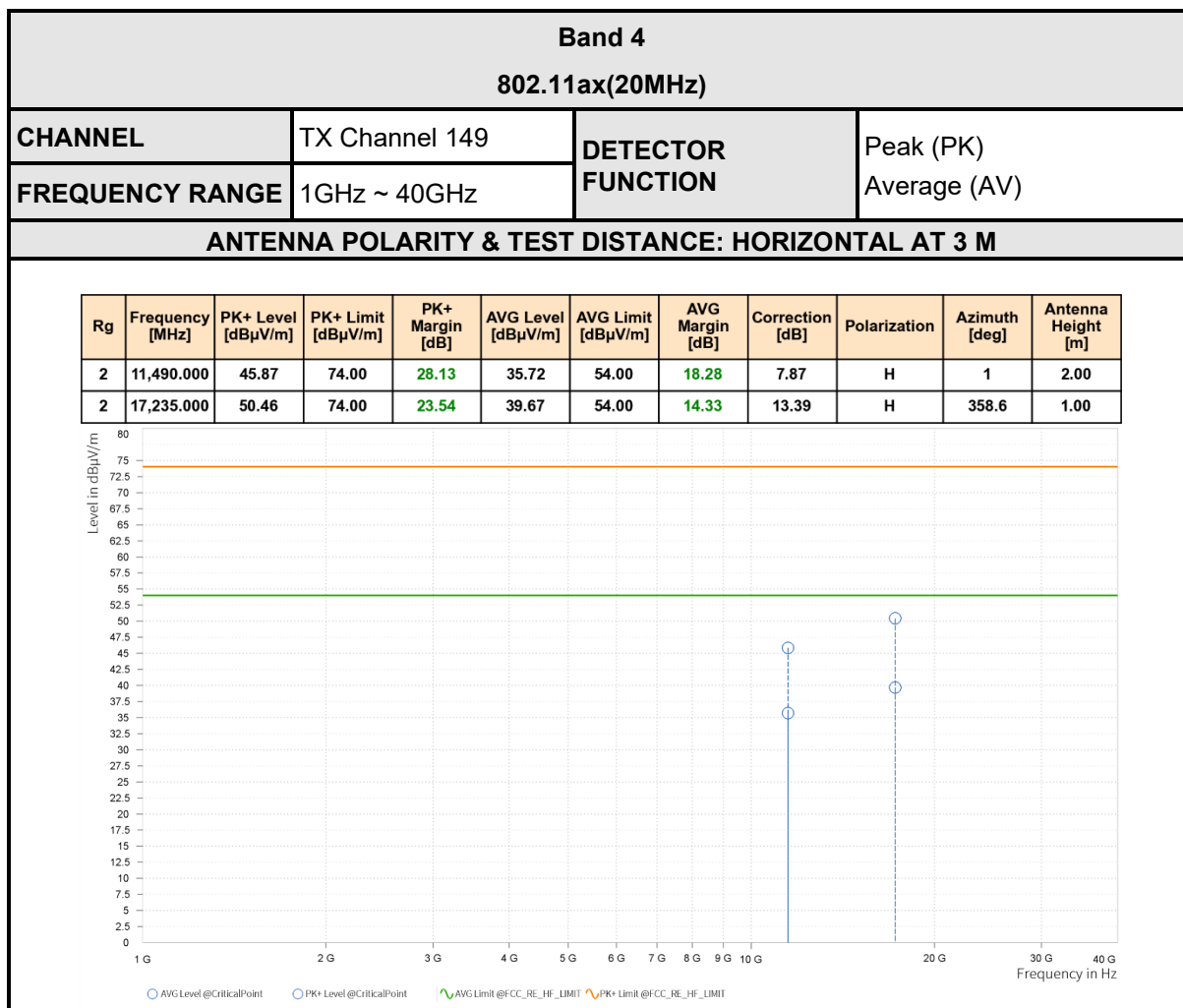
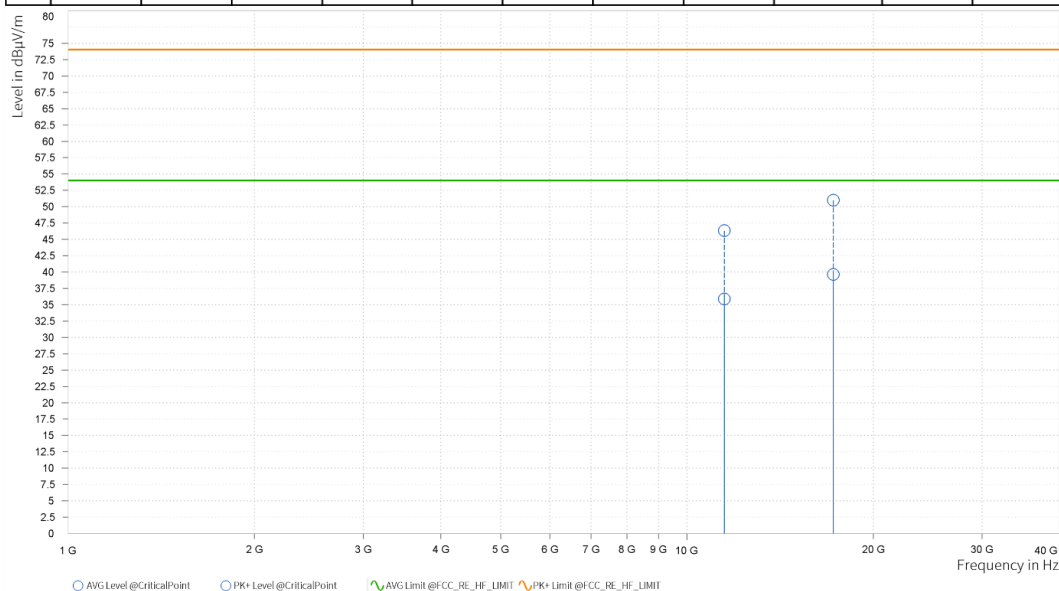






ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	AVG Level [dBμV/m]	AVG Limit [dBμV/m]	AVG Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	11,490.000	46.33	74.00	27.67	35.88	54.00	18.12	7.87	V	351.8	1.00
2	17,235.000	50.99	74.00	23.01	39.64	54.00	14.36	13.39	V	359	2.00



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
2. Margin value = Limit value- Emission level.
3. 5785MHz: Fundamental frequency.



3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dB μ V)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR3	102749	Mar.28,24	Mar.27,26
ELEKTRA test software	Rohde&Schwarz	ELEKTRA	NA	N/A	N/A
LISN network	Rohde&Schwarz	ENV216	102640	Mar.28,24	Mar.27,26
CABLE	Rohde&Schwarz	W61.01	N/A	Apr.26,25	Apr.25,26
CABLE	Rohde&Schwarz	W601	N/A	Apr.26,25	Apr.25,26

NOTE:

1. The test was performed in CE shielded room.
2. The calibration interval of the above test instruments is 12/ 24 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



3.2.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

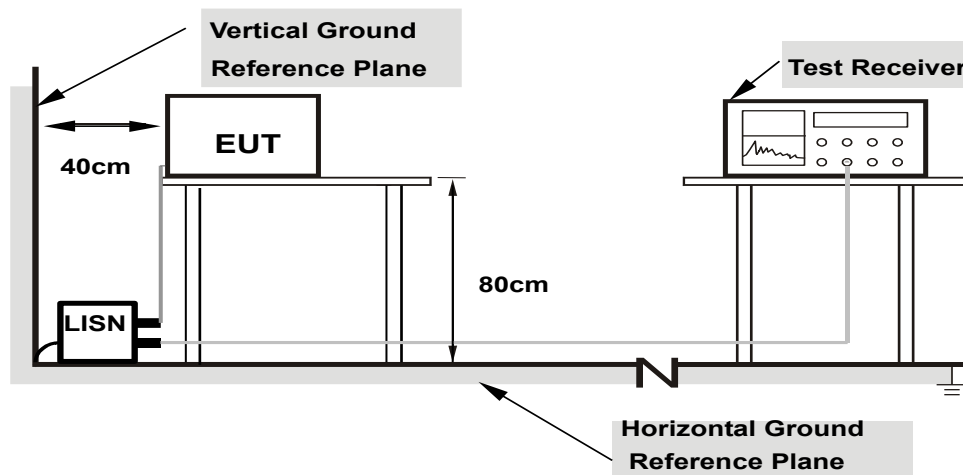
NOTE: All modes of operation were investigated and the worst-case emissions are reported.



3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



- Note:**
- 1.Support units were connected to second LISN.
 - 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.7.



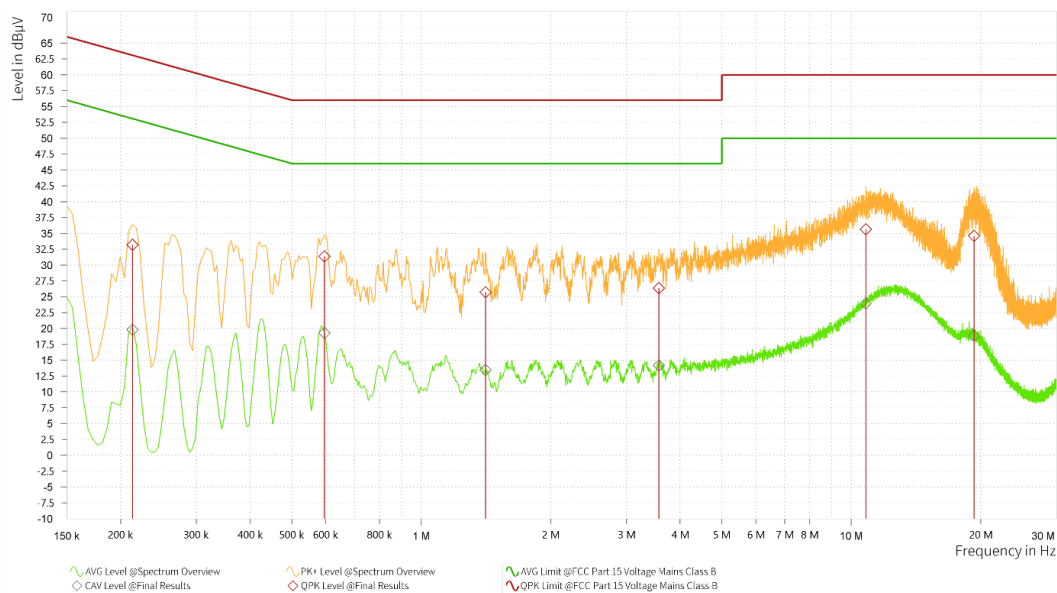
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Hanwen Xu		

Rg	Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	CAV Level [dBμV]	CAV: AVG Limit [dBμV]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]
1	0.213	33.18	63.09	29.91	19.80	53.09	33.29	9.78	L1	9.000
1	0.596	31.35	56.00	24.65	19.28	46.00	26.72	9.75	L1	9.000
1	1.410	25.71	56.00	30.29	13.45	46.00	32.55	9.78	L1	9.000
1	3.570	26.36	56.00	29.64	14.18	46.00	31.82	10.00	L1	9.000
1	10.815	35.65	60.00	24.35	23.94	50.00	26.06	11.19	L1	9.000
1	19.302	34.59	60.00	25.41	18.85	50.00	31.15	13.36	L1	9.000

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.





Frequency Range	150KHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120Vac, 60Hz	Environmental Conditions	26deg. C, 51%RH
Tested By	Hanwen Xu		

Rg	Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	CAV Level [dBμV]	CAV: AVG Limit [dBμV]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]
1	0.159	36.64	65.52	28.88	21.70	55.52	33.82	9.82	N	9.000
1	0.465	28.41	56.60	28.19	12.49	46.60	34.11	9.76	N	9.000
1	1.406	20.23	56.00	35.77	10.90	46.00	35.10	9.80	N	9.000
1	4.061	23.29	56.00	32.71	12.69	46.00	33.31	10.08	N	9.000
1	12.431	35.39	60.00	24.61	23.27	50.00	26.73	11.66	N	9.000
1	20.279	35.64	60.00	24.36	18.40	50.00	31.60	13.59	N	9.000

- REMARKS:** 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Limit value - Emission level
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.





4. PHOTOGRAPHS OF THE TEST CONFIGURATION

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



5. MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.



6. APPENDIX : ORIGINAL REPORT

FCC TEST REPORT

(Part 15, Subpart E)

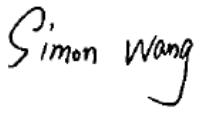
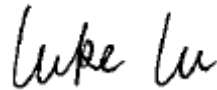
Applicant:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany

Manufacturer or Supplier:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany
Product:	Tablet
Brand Name:	i.safe MOBILE
Model Name	M940A01
Marketing Name:	IS940.1, IS940.M1, IS940.2, IS940.RG
FCC ID:	2AACZ-M940A01
Date of tests:	Jun. 05, 2024 ~ Jul. 17, 2024

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Jul. 17, 2024	 Date: Jul. 17, 2024

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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Test Report No.: W7L-P24050018RF03

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P24050018RF03	Original release	Jul. 17, 2024

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E		
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT
15.407(b)(9)	AC Power Conducted Emission	Compliance
15.407(b) (1/2/3/4/5)	Radiated Emission & Band Edge Measurement	Compliance
15.407(a/1/2/3)	Maximum conducted output Power	Compliance
15.407(a/1/2/3)	Peak Power Spectral Density	Compliance
15.407(a)(2)(12)	26 dB Bandwidth	Compliance
15.407(e)	6 dB Bandwidth	Compliance
15.203	Antenna Requirement	Compliance

NOTE:

1. Except the data of RSE and Band Edge Measurement, other data please refer to Appendix C.
2. Preliminary Investigation scans were completed to compare Full RU Tone modes and Single User Tone modes. It was found that SU modes were the worst case over Full RU-Tone mode in every instance, and the physical waveforms of SU mode and FULL RU-Tone are the same, and both FULL RU-Tone mode have lower power than SU mode. Therefore, only SU mode was report as it is representative of Full RU-Tone worst case scenario.
3. RLAN 5G supports SISO&MIMO mode, the whole testing has assessed the MIMO mode by referring to their maximum conducted power.
4. For 802.11n HT20/ ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing is assessed only 802.11n HT20/ HT40 by referring to their higher conducted power.
5. Only the worse data was reported.

1.1 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	UNCERTAINTY
AC Power Conducted emissions	±2.70dB
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions (30MHz~1GHz)	±4.98dB
Radiated emissions (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Power Spectral Density	±0.85 dB

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



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Tablet
BRAND NAME	i.safe MOBILE
MODEL NAME	M940A01
MARKETING NAME	IS940.1, IS940.M1, IS940.2, IS940.RG
NOMINAL VOLTAGE	5Vdc (adapter or host equipment) 3.7Vdc (Li-ion, battery)
MODULATION	OFDM, OFDMA
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 300.0Mbps 802.11ac: up to 1732Mbps 802.11ax: up to 2402Mbps
OPERATING FREQUENCY	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz
NUMBER OF CHANNEL	5180 ~ 5240MHz: 4 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU996) 5260 ~ 5320MHz: 4 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU 996) 5500 ~ 5720MHz: 12 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 6 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 3 for 802.11ac/ax (80MHz)/ 802.11ax(80M RU 996) 5745 ~ 5825MHz: 5 for 802.11a, 802.11n/ac/ax (20MHz)/ 802.11ax(20M RU 242) 2 for 802.11n/ac/ax (40MHz)/ 802.11ax(40M RU 484) 1 for 802.11ac/ax (80MHz)/ 802.11ax(80MRU 996)
MAX. OUTPUT POWER	30.41mW for 5180 ~ 5240MHz



	32.21mW for 5260 ~ 5320MHz 35.16mW for 5500 ~ 5720MHz 35.81mW for 5745 ~ 5825MHz
ANTENNA TYPE	PIFA Antenna
ANTENNA GAIN	ANT 8: -0.7dBi for 5180 ~ 5240MHz -0.7dBi for 5260 ~ 5320MHz -0.7dBi for 5500 ~ 5720MHz -0.7dBi for 5745 ~ 5825MHz ANT 9: 0.7dBi for 5180 ~ 5240MHz 0.7dBi for 5260 ~ 5320MHz 0.7dBi for 5500 ~ 5720MHz 0.7dBi for 5745 ~ 5825MHz
HW VERSION	V05
SW VERSION	IS940_ROW_00.00_2_20240605
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable: with shielded cable, w/o ferrite core, 1.0 meter

NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers.

MODULATION MODE	TX FUNCTION
802.11a	2TX/2RX
802.11n/802.11ac/ax (20MHz)	2TX/2RX
802.11n/802.11ac/ax (40MHz)	2TX/2RX
802.11ac/ax (80MHz)	2TX/2RX
802.11ax (20MHz RU 242)	2TX/2RX
802.11ax (40MHz RU 484)	2TX/2RX
802.11ax (80MHz RU 996)	2TX/2RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

**Test Report No.: W7L-P24050018RF03**

5. EUT only supports full RU, and the SU power is greater than RU, so RU mode is overwritten with SU test.

6. List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
AC Adapter	N/A	SHENZHEN SHI YINGYUAN POWER SUPPLY TECHNOLOGY CO., LTD.	ICP12-050-2000B	I/P: 100-240Vac, 0.5A, O/P: 5Vdc, 2A
Battery	N/A	BMZ Company Limited	MBP940AA01	Capacity: 3.7Vdc, 8160mAh
USB Cable	N/A	Winpower Technology Co., LTD	PROTECTOR 2.0	Signal Line, 1.0meter

2.2 DESCRIPTION OF TEST MODES

FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
42	5210 MHz		

FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
58	5290 MHz		

FOR 5500 ~ 5720MHz

12 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	124	5620MHz
104	5520 MHz	128	5640MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

6 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510 MHz	126	5630MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
106	5530 MHz	122	5610 MHz
138	5690 MHz		

FOR 5745 ~ 5825MHz

5 channels are provided for 802.11a, 802.11n, 802.11ac/ax (20MHz)/ 802.11ax (20MHz RU 242):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

3 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
142	5710 MHz	159	5795 MHz
151	5755 MHz		

2 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
138	5690 MHz	155	5775 MHz



2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE<1G	PLC	APCM	
A	√	√	√	-	Powered by Adapter with wifi(5G) link
B	-	-	-	√	Powered by Battery with wifi(5G) link
C	-	-	-	-	Powered by USB with wifi(5G) link

Where

RE $\geq$ 1G: Radiated Emission above 1GHz**RE<1G:** Radiated Emission below 1GHz**PLC:** Power Line Conducted Emission**APCM:** Antenna Port Conducted Measurement**NOTE:**The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.**NOTE:** “-” means no effect**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).
- ☒ The following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11ax (80MHz)	5500-5720	106 to 138	106	OFDM	MCS0

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
A	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134, 142	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0
A	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157, 165	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	MCS0



POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11ax (80MHz)	5500-5720	106 to 138	106	OFDM	MCS0

BANDEDGE MEASUREMENT:

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

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)
A	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
A	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
A	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134, 142	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0



	996)					
A	802.11a	5745-5825	149 to 165	149, 157,165	OFDM	6.0
A	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157,165	OFDM, OFDMA	MCS0
A	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
A	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	MCS0

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ 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).
- ☒ The following channel(s) was (were) selected for the final test as listed below.
- ☒ Only the power test item is tested for the FULL RU(802.11ax RU 242/484/996/2*996), the remaining test items are configured as follows.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATIO N	DATA RATE (Mbps)
B	802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		36 to 48	36, 40, 48	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		38 to 46	38, 46	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		42	42	OFDM, OFDMA	MCS0
B	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		52 to 64	52, 60, 64	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		54 to 62	54, 62	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		58	58	OFDM, OFDMA	MCS0
B	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		100 to 144	100, 116, 140, 144	OFDM, OFDMA	MCS0



B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		102 to 142	102, 110, 134, 142	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		106 to 138	106, 122, 138	OFDM, OFDMA	MCS0
B	802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6.0
B	802.11n/ac/ax (20MHz)/ 802.11ax (20MHz RU 242)		149 to 165	149, 157, 165	OFDM, OFDMA	MCS0
B	802.11n/ac/ax (40MHz)/ 802.11ax (40MHz RU 484)		151 to 159	151, 159	OFDM, OFDMA	MCS0
B	802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996)		155	155	OFDM, OFDMA	MCS0



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TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE<1G	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
RE≥1G	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
PLC	25deg. C, 52%RH	DC 5V By Adapter	James Fu
APCM	25deg. C, 60%RH	DC 3.7V By Battery	James Fu



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2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix C.

2.4 DESCRIPTION OF SUPPORT UNITS

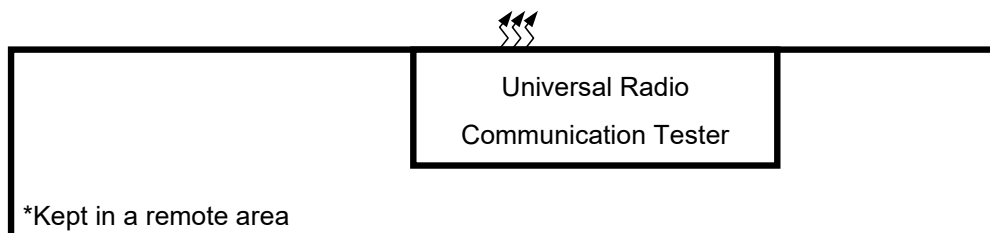
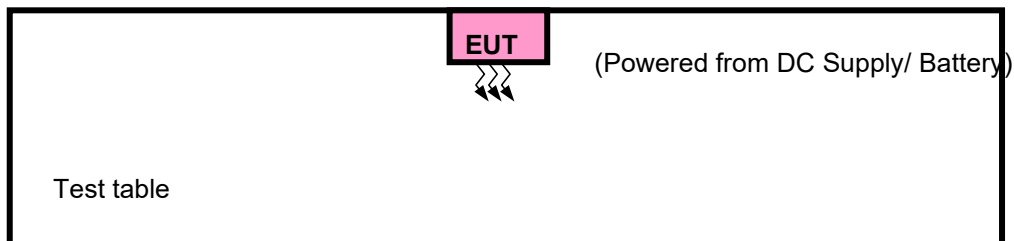
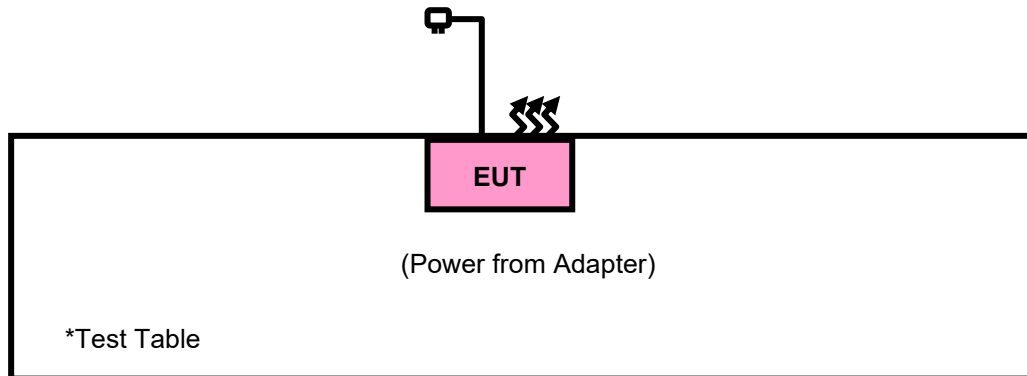
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Desktop	Lenovo	M73 SFF	PC04GRQV	N/A
2	Desktop	Lenovo	M73 SFF	PC06CS27	N/A
3	Laptop	Lenovo	ThinkpadL440	R90FTFKN	N/A
4	DC source	Kikusui/JP	PMX18-5A	0000001	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	AC Line: Unshielded, Detachable 1.5m
2	AC Line: Unshielded, Detachable 1.5m
3	AC Line: Unshielded, Detachable 1.5m
4	DC Line: Unshielded, Detachable 1.0m



2.4.1 CONFIGURATION OF SYSTEM UNDER TEST



2.5 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 E (15.407)

KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

ANSI C63.10-2020

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

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

3 TEST TYPES AND RESULTS

3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

3.1.1 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:

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.

3.1.2 LIMITS OF UNWANTED EMISSION

RESTRICTED BANDS	APPLICABLE TO	LIMIT	
	789033 D02 General UNII Test Procedures New Rules v02r01	FIELD STRENGTH AT 3m (dBµV/m)	
		PK : 74	AV : 54
OUT OF THE RESTRICTED BANDS	APPLICABLE TO	EIRP LIMIT (dBm/MHz)	EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)
	15.407(b)(1)	PK : -27	PK : 68.2
	15.407(b)(2)		
	15.407(b)(3)		
	15.407(b)(4)	See note 2 (FCC 16-24)	



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

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

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

3.1.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	Nov. 14,23	Nov. 13,26
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Feb. 18,24	Feb. 17,25
Horn Antenna	ETS-LINDGREN	3117	00168692	Feb. 18,24	Feb. 17,25
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Sep.04, 23	Sep.03, 24
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120-3	3.2.06	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	N/A	May. 06,24	May. 05,25
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Mar. 28,24	Mar. 27,25
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 06,24	May. 05,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,24	May.09,25
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 17,24	Feb. 16,25
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 12,23	Aug. 11,24
Power Meter	Anritsu	ML2495A	1506002	Feb. 14,24	Feb. 13,25
Power Sensor	Anritsu	MA2411B	1339352	Feb. 14,24	Feb. 13,25
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.03,23	Sep.02,24

NOTE: 1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Chamber.

3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

3.1.4 TEST PROCEDURES

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

NOTE:

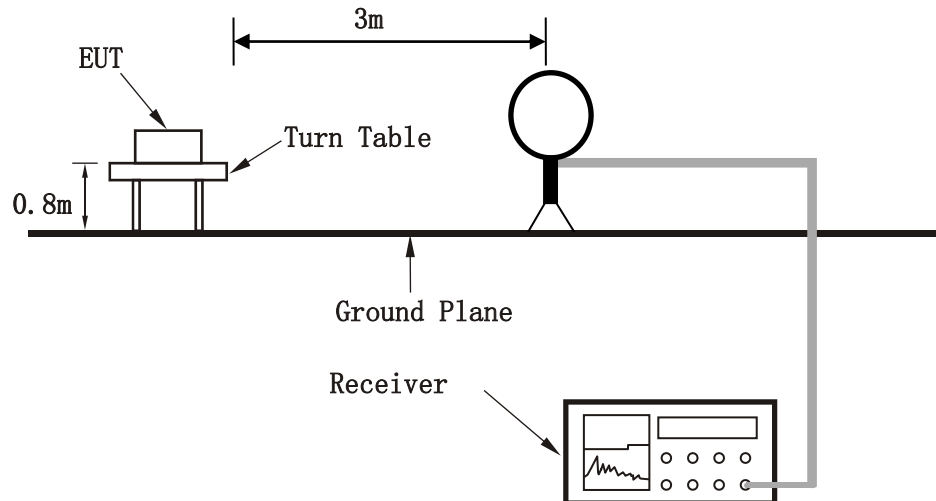
- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ($10 \log(1/\text{duty cycle})$).
- 4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
- 5. All modes of operation were investigated, and the worst-case emissions are reported.

3.1.5 DEVIATION FROM TEST STANDARD

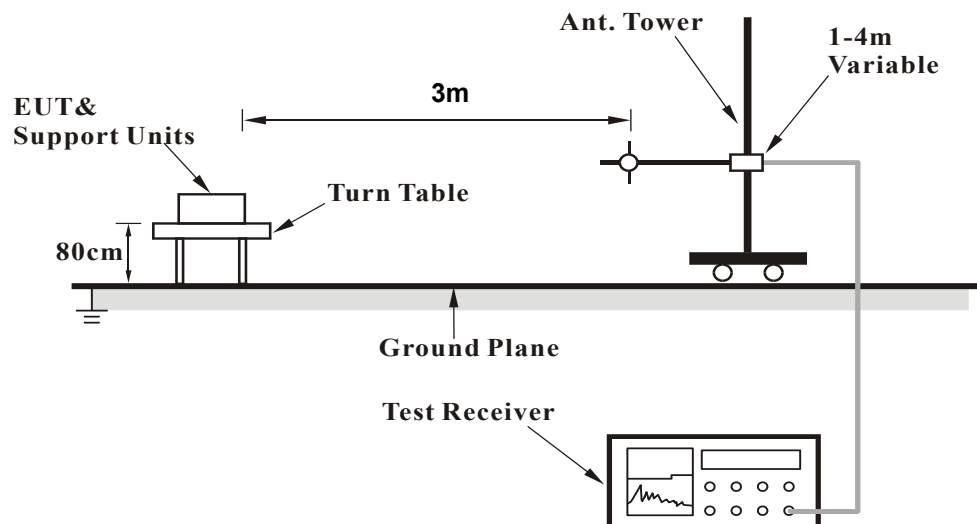
No deviation.

3.1.6 TEST SETUP

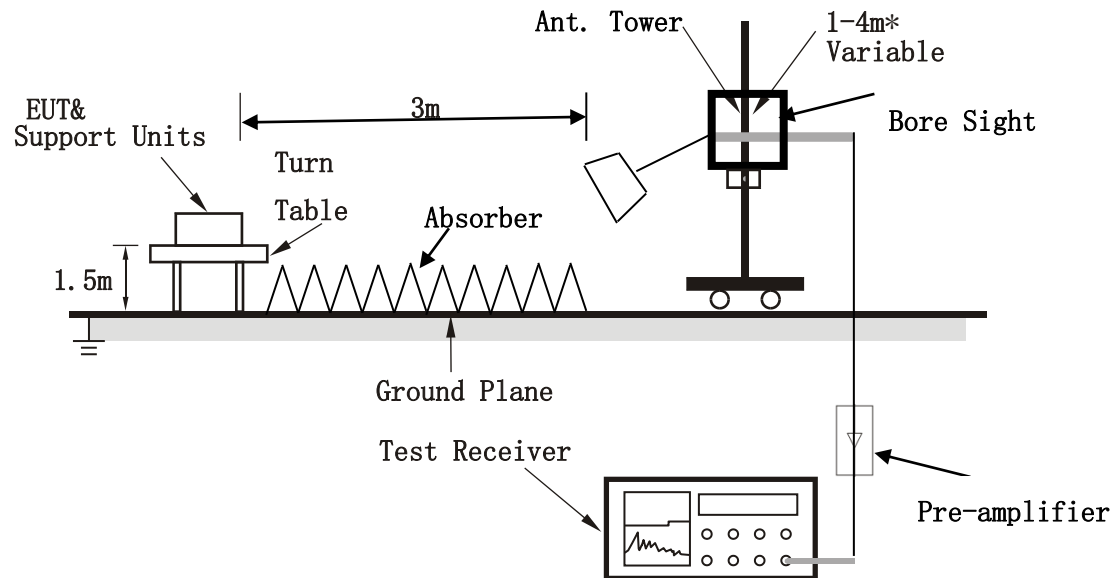
<Frequency Range 9KHz~30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

3.1.7 EUT OPERATING CONDITION

- Set the EUT under full load condition and placed it on a testing table.
- Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.
- The necessary accessories enable the EUT in full functions.



3.1.8 TEST RESULTS

NOTE : The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

30 MHz – 1GHz data:

Band 3

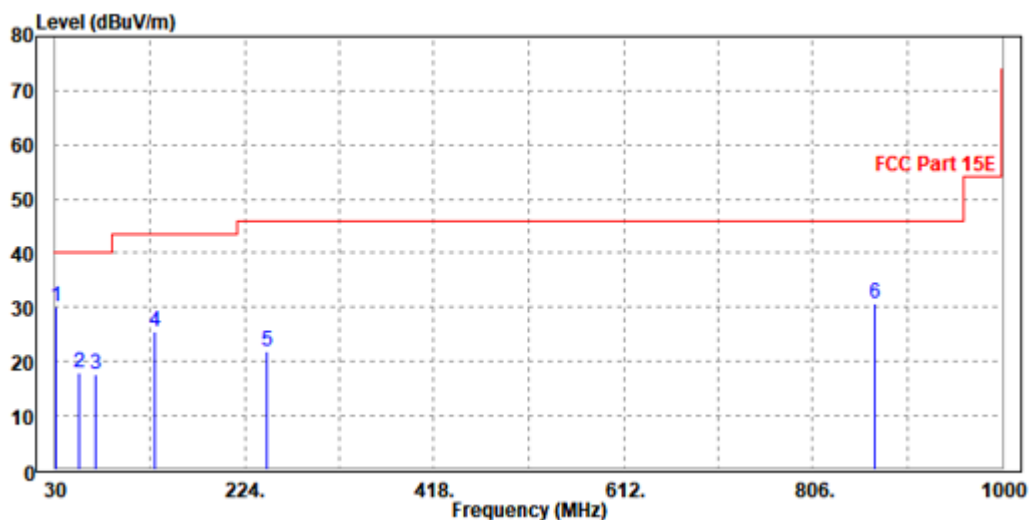
802.11ax (80MHz):

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
31.940	28.63	41.76	40.00	-11.37	24.13	0.16	37.42	100	360	Peak
54.250	30.19	54.08	40.00	-9.81	13.18	0.29	37.36	100	360	Peak
174.530	26.90	46.96	43.50	-16.60	15.75	0.83	36.64	100	360	Peak
248.250	34.72	51.73	46.00	-11.28	18.43	1.14	36.58	100	360	Peak
313.240	32.74	49.00	46.00	-13.26	19.00	1.35	36.61	100	360	Peak
869.050	31.22	36.92	46.00	-14.78	29.20	2.72	37.62	100	360	Peak

REMARKS:

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



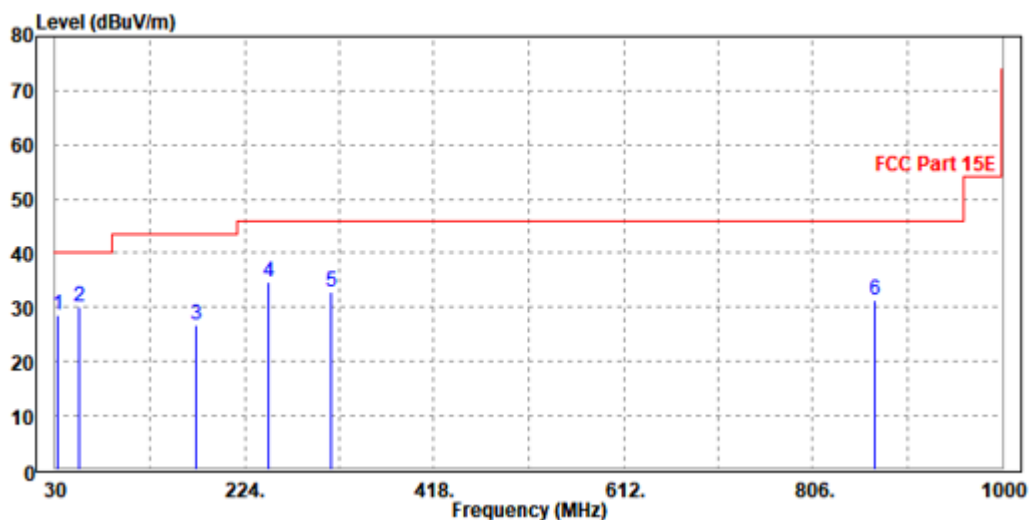


CHANNEL	Channel 106	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	30MHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
30.970	30.00	42.68	40.00	-10.00	24.61	0.14	37.43	100	0	Peak
55.220	17.89	41.41	40.00	-22.11	13.55	0.30	37.37	100	0	Peak
70.740	17.57	41.27	40.00	-22.43	13.23	0.38	37.31	100	0	Peak
131.850	25.43	47.92	43.50	-18.07	13.60	0.69	36.78	100	0	Peak
246.310	21.83	38.92	46.00	-24.17	18.35	1.14	36.58	100	0	Peak
869.050	30.64	36.34	46.00	-15.36	29.20	2.72	37.62	100	0	Peak

REMARKS:

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





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ABOVE 1GHz WORST-CASE DATA:

Note: For higher frequency, the emission is too low to be detected.

Band 1

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.40	54.62	74.00	-20.60	34.20	11.17	46.59	100	185	Peak
5150	45.02	46.24	54.00	-8.98	34.20	11.17	46.59	100	185	Average
5180	103.10	104.23	/	/	34.26	11.20	46.59	100	185	Peak
5180	93.95	95.08	/	/	34.26	11.20	46.59	100	185	Average
5350	52.31	53.16	74.00	-21.69	34.30	11.39	46.54	100	185	Peak
5350	45.11	45.96	54.00	-8.89	34.30	11.39	46.54	100	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.36	54.78	74.00	-20.64	34.00	11.17	46.59	100	90	Peak
5150	45.32	46.74	54.00	-8.68	34.00	11.17	46.59	100	90	Average
5180	102.69	104.14	/	/	33.94	11.20	46.59	100	90	Peak
5180	94.93	96.38	/	/	33.94	11.20	46.59	100	90	Average
5350	54.20	54.55	74.00	-19.80	34.80	11.39	46.54	100	90	Peak
5350	45.61	45.96	54.00	-8.39	34.80	11.39	46.54	100	90	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5180MHz: Fundamental frequency.



**BUREAU
VERITAS**

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CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	185	Peak
5150	44.97	46.19	54.00	-9.03	34.20	11.17	46.59	100	185	Average
5200	103.14	104.20	/	/	34.30	11.22	46.58	100	185	Peak
5200	94.30	95.36	/	/	34.30	11.22	46.58	100	185	Average
5350	51.80	52.65	74.00	-22.20	34.30	11.39	46.54	100	185	Peak
5350	45.44	46.29	54.00	-8.56	34.30	11.39	46.54	100	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.22	53.64	74.00	-21.78	34.00	11.17	46.59	100	90	Peak
5150	44.95	46.37	54.00	-9.05	34.00	11.17	46.59	100	90	Average
5200	103.50	104.96	/	/	33.90	11.22	46.58	100	90	Peak
5200	96.43	97.89	/	/	33.90	11.22	46.58	100	90	Average
5350	53.29	53.64	74.00	-20.71	34.80	11.39	46.54	100	90	Peak
5350	45.84	46.19	54.00	-8.16	34.80	11.39	46.54	100	90	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	185	Peak
5150	45.15	46.37	54.00	-8.85	34.20	11.17	46.59	100	185	Average
5240	103.52	104.36	/	/	34.46	11.27	46.57	100	185	Peak
5240	94.57	95.41	/	/	34.46	11.27	46.57	100	185	Average
5350	53.61	54.46	74.00	-20.39	34.30	11.39	46.54	100	185	Peak
5350	45.97	46.82	54.00	-8.03	34.30	11.39	46.54	100	185	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.54	52.96	74.00	-22.46	34.00	11.17	46.59	100	90	Peak
5150	44.63	46.05	54.00	-9.37	34.00	11.17	46.59	100	90	Average
5240	104.29	105.61	/	/	33.98	11.27	46.57	100	90	Peak
5240	94.92	96.24	/	/	33.98	11.27	46.57	100	90	Average
5350	54.43	54.78	74.00	-19.57	34.80	11.39	46.54	100	90	Peak
5350	47.11	47.46	54.00	-6.89	34.80	11.39	46.54	100	90	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11n (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.39	53.61	74.00	-21.61	34.20	11.17	46.59	100	185	Peak
5150	45.16	46.38	54.00	-8.84	34.20	11.17	46.59	100	185	Average
5180	99.84	100.97	/	/	34.26	11.20	46.59	100	185	Peak
5180	89.33	90.46	/	/	34.26	11.20	46.59	100	185	Average
5350	52.60	53.45	74.00	-21.40	34.30	11.39	46.54	100	185	Peak
5350	45.00	45.85	54.00	-9.00	34.30	11.39	46.54	100	185	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.43	55.85	74.00	-19.57	34.00	11.17	46.59	100	90	Peak
5150	45.28	46.70	54.00	-8.72	34.00	11.17	46.59	100	90	Average
5180	100.03	101.48	/	/	33.94	11.20	46.59	100	90	Peak
5180	91.30	92.75	/	/	33.94	11.20	46.59	100	90	Average
5350	52.92	53.27	74.00	-21.08	34.80	11.39	46.54	100	90	Peak
5350	45.22	45.57	54.00	-8.78	34.80	11.39	46.54	100	90	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.86	55.08	74.00	-20.14	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5200	100.35	101.41	/	/	34.30	11.22	46.58	100	165	Peak
5200	89.98	91.04	/	/	34.30	11.22	46.58	100	165	Average
5350	53.10	53.95	74.00	-20.90	34.30	11.39	46.54	100	165	Peak
5350	45.64	46.49	54.00	-8.36	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.03	56.45	74.00	-18.97	34.00	11.17	46.59	100	85	Peak
5150	45.40	46.82	54.00	-8.60	34.00	11.17	46.59	100	85	Average
5200	100.59	102.05	/	/	33.90	11.22	46.58	100	85	Peak
5200	90.75	92.21	/	/	33.90	11.22	46.58	100	85	Average
5350	54.20	54.55	74.00	-19.80	34.80	11.39	46.54	100	85	Peak
5350	46.20	46.55	54.00	-7.80	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.72	52.94	74.00	-22.28	34.20	11.17	46.59	100	165	Peak
5150	45.30	46.52	54.00	-8.70	34.20	11.17	46.59	100	165	Average
5240	99.72	100.56	/	/	34.46	11.27	46.57	100	165	Peak
5240	91.29	92.13	/	/	34.46	11.27	46.57	100	165	Average
5350	52.63	53.48	74.00	-21.37	34.30	11.39	46.54	100	165	Peak
5350	45.74	46.59	54.00	-8.26	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.09	54.51	74.00	-20.91	34.00	11.17	46.59	100	85	Peak
5150	45.34	46.76	54.00	-8.66	34.00	11.17	46.59	100	85	Average
5240	101.17	102.49	/	/	33.98	11.27	46.57	100	85	Peak
5240	90.51	91.83	/	/	33.98	11.27	46.57	100	85	Average
5350	53.24	53.59	74.00	-20.76	34.80	11.39	46.54	100	85	Peak
5350	46.18	46.53	54.00	-7.82	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11n (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.56	52.78	74.00	-22.44	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5190	96.84	97.93	/	/	34.28	11.21	46.58	100	165	Peak
5190	87.19	88.28	/	/	34.28	11.21	46.58	100	165	Average
5350	52.77	53.62	74.00	-21.23	34.30	11.39	46.54	100	165	Peak
5350	45.72	46.57	54.00	-8.28	34.30	11.39	46.54	100	165	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.50	52.92	74.00	-22.50	34.00	11.17	46.59	100	85	Peak
5150	45.34	46.76	54.00	-8.66	34.00	11.17	46.59	100	85	Average
5190	97.10	98.55	/	/	33.92	11.21	46.58	100	85	Peak
5190	87.92	89.37	/	/	33.92	11.21	46.58	100	85	Average
5350	52.92	53.27	74.00	-21.08	34.80	11.39	46.54	100	85	Peak
5350	46.26	46.61	54.00	-7.74	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.09	53.31	74.00	-21.91	34.20	11.17	46.59	100	165	Peak
5150	45.49	46.71	54.00	-8.51	34.20	11.17	46.59	100	165	Average
5230	96.95	97.84	/	/	34.42	11.26	46.57	100	165	Peak
5230	87.03	87.92	/	/	34.42	11.26	46.57	100	165	Average
5350	52.04	52.89	74.00	-21.96	34.30	11.39	46.54	100	165	Peak
5350	45.69	46.54	54.00	-8.31	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.71	53.13	74.00	-22.29	34.00	11.17	46.59	100	85	Peak
5150	45.45	46.87	54.00	-8.55	34.00	11.17	46.59	100	85	Average
5230	96.17	97.52	/	/	33.96	11.26	46.57	100	85	Peak
5230	88.16	89.51	/	/	33.96	11.26	46.57	100	85	Average
5350	52.21	52.56	74.00	-21.79	34.80	11.39	46.54	100	85	Peak
5350	46.33	46.68	54.00	-7.67	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11ax (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.02	54.24	74.00	-20.98	34.20	11.17	46.59	100	165	Peak
5150	45.36	46.58	54.00	-8.64	34.20	11.17	46.59	100	165	Average
5180	99.20	100.33	/	/	34.26	11.20	46.59	100	165	Peak
5180	89.30	90.43	/	/	34.26	11.20	46.59	100	165	Average
5350	52.42	53.27	74.00	-21.58	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.44	54.86	74.00	-20.56	34.00	11.17	46.59	100	85	Peak
5150	45.82	47.24	54.00	-8.18	34.00	11.17	46.59	100	85	Average
5180	101.23	102.68	/	/	33.94	11.20	46.59	100	85	Peak
5180	91.90	93.35	/	/	33.94	11.20	46.59	100	85	Average
5350	52.61	52.96	74.00	-21.39	34.80	11.39	46.54	100	85	Peak
5350	45.68	46.03	54.00	-8.32	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.26	53.48	74.00	-21.74	34.20	11.17	46.59	100	165	Peak
5150	45.43	46.65	54.00	-8.57	34.20	11.17	46.59	100	165	Average
5200	99.36	100.42	/	/	34.30	11.22	46.58	100	165	Peak
5200	89.00	90.06	/	/	34.30	11.22	46.58	100	165	Average
5350	51.64	52.49	74.00	-22.36	34.30	11.39	46.54	100	165	Peak
5350	45.39	46.24	54.00	-8.61	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.85	54.27	74.00	-21.15	34.00	11.17	46.59	100	85	Peak
5150	45.45	46.87	54.00	-8.55	34.00	11.17	46.59	100	85	Average
5200	100.19	101.65	/	/	33.90	11.22	46.58	100	85	Peak
5200	90.11	91.57	/	/	33.90	11.22	46.58	100	85	Average
5350	52.52	52.87	74.00	-21.48	34.80	11.39	46.54	100	85	Peak
5350	45.83	46.18	54.00	-8.17	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.07	46.29	54.00	-8.93	34.20	11.17	46.59	100	165	Average
5240	99.00	99.84	/	/	34.46	11.27	46.57	100	165	Peak
5240	88.73	89.57	/	/	34.46	11.27	46.57	100	165	Average
5350	53.31	54.16	74.00	-20.69	34.30	11.39	46.54	100	165	Peak
5350	45.69	46.54	54.00	-8.31	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.77	54.19	74.00	-21.23	34.00	11.17	46.59	100	85	Peak
5150	44.86	46.28	54.00	-9.14	34.00	11.17	46.59	100	85	Average
5240	99.81	101.13	/	/	33.98	11.27	46.57	100	85	Peak
5240	89.33	90.65	/	/	33.98	11.27	46.57	100	85	Average
5350	53.33	53.68	74.00	-20.67	34.80	11.39	46.54	100	85	Peak
5350	46.17	46.52	54.00	-7.83	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11ax (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.15	46.37	54.00	-8.85	34.20	11.17	46.59	100	165	Average
5190	94.54	95.63	/	/	34.28	11.21	46.58	100	165	Peak
5190	85.56	86.65	/	/	34.28	11.21	46.58	100	165	Average
5350	51.73	52.58	74.00	-22.27	34.30	11.39	46.54	100	165	Peak
5350	45.33	46.18	54.00	-8.67	34.30	11.39	46.54	100	165	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.84	53.26	74.00	-22.16	34.00	11.17	46.59	100	85	Peak
5150	45.44	46.86	54.00	-8.56	34.00	11.17	46.59	100	85	Average
5190	96.13	97.58	/	/	33.92	11.21	46.58	100	85	Peak
5190	87.11	88.56	/	/	33.92	11.21	46.58	100	85	Average
5350	52.22	52.57	74.00	-21.78	34.80	11.39	46.54	100	85	Peak
5350	45.78	46.13	54.00	-8.22	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	165	Peak
5150	45.37	46.59	54.00	-8.63	34.20	11.17	46.59	100	165	Average
5230	94.24	95.13	/	/	34.42	11.26	46.57	100	165	Peak
5230	84.85	85.74	/	/	34.42	11.26	46.57	100	165	Average
5350	51.89	52.74	74.00	-22.11	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.78	53.20	74.00	-22.22	34.00	11.17	46.59	100	85	Peak
5150	44.87	46.29	54.00	-9.13	34.00	11.17	46.59	100	85	Average
5230	95.30	96.65	/	/	33.96	11.26	46.57	100	85	Peak
5230	86.32	87.67	/	/	33.96	11.26	46.57	100	85	Average
5350	54.50	54.85	74.00	-19.50	34.80	11.39	46.54	100	85	Peak
5350	46.68	47.03	54.00	-7.32	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11ax (80MHz)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	165	Peak
5150	45.30	46.52	54.00	-8.70	34.20	11.17	46.59	100	165	Average
5210	90.83	91.83	/	/	34.34	11.24	46.58	100	165	Peak
5210	82.47	83.47	/	/	34.34	11.24	46.58	100	165	Average
5350	52.10	52.95	74.00	-21.90	34.30	11.39	46.54	100	165	Peak
5350	45.28	46.13	54.00	-8.72	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.27	52.69	74.00	-22.73	34.00	11.17	46.59	100	85	Peak
5150	44.92	46.34	54.00	-9.08	34.00	11.17	46.59	100	85	Average
5210	92.17	93.59	/	/	33.92	11.24	46.58	100	85	Peak
5210	83.66	85.08	/	/	33.92	11.24	46.58	100	85	Average
5350	51.83	52.18	74.00	-22.17	34.80	11.39	46.54	100	85	Peak
5350	45.33	45.68	54.00	-8.67	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

802.11ac (80MHz)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.87	53.09	74.00	-22.13	34.20	11.17	46.59	100	165	Peak
5150	45.62	46.84	54.00	-8.38	34.20	11.17	46.59	100	165	Average
5210	89.23	90.23	/	/	34.34	11.24	46.58	100	165	Peak
5210	82.88	83.88	/	/	34.34	11.24	46.58	100	165	Average
5350	51.67	52.52	74.00	-22.33	34.30	11.39	46.54	100	165	Peak
5350	45.84	46.69	54.00	-8.16	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.36	52.78	74.00	-22.64	34.00	11.17	46.59	100	85	Peak
5150	45.33	46.75	54.00	-8.67	34.00	11.17	46.59	100	85	Average
5210	91.13	92.55	/	/	33.92	11.24	46.58	100	85	Peak
5210	83.86	85.28	/	/	33.92	11.24	46.58	100	85	Average
5350	52.74	53.09	74.00	-21.26	34.80	11.39	46.54	100	85	Peak
5350	46.32	46.67	54.00	-7.68	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



Test Report No.: W7L-P24050018RF03

5G WIFI-RU

802.11ax (20MHz) (RU242):

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.36	53.58	74.00	-21.64	34.20	11.17	46.59	100	165	Peak
5150	46.07	47.29	54.00	-7.93	34.20	11.17	46.59	100	165	Average
5180	102.53	103.66	/	/	34.26	11.20	46.59	100	165	Peak
5180	91.72	92.85	/	/	34.26	11.20	46.59	100	165	Average
5350	52.76	53.61	74.00	-21.24	34.30	11.39	46.54	100	165	Peak
5350	45.68	46.53	54.00	-8.32	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.28	54.70	74.00	-20.72	34.00	11.17	46.59	100	85	Peak
5150	45.47	46.89	54.00	-8.53	34.00	11.17	46.59	100	85	Average
5180	102.15	103.60	/	/	33.94	11.20	46.59	100	85	Peak
5180	92.39	93.84	/	/	33.94	11.20	46.59	100	85	Average
5350	54.59	54.94	74.00	-19.41	34.80	11.39	46.54	100	85	Peak
5350	46.14	46.49	54.00	-7.86	34.80	11.39	46.54	100	85	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5180MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.64	52.86	74.00	-22.36	34.20	11.17	46.59	100	165	Peak
5150	45.21	46.43	54.00	-8.79	34.20	11.17	46.59	100	165	Average
5200	102.15	103.21	/	/	34.30	11.22	46.58	100	165	Peak
5200	91.88	92.94	/	/	34.30	11.22	46.58	100	165	Average
5350	52.22	53.07	74.00	-21.78	34.30	11.39	46.54	100	165	Peak
5350	45.67	46.52	54.00	-8.33	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.87	53.29	74.00	-22.13	34.00	11.17	46.59	100	85	Peak
5150	45.29	46.71	54.00	-8.71	34.00	11.17	46.59	100	85	Average
5200	102.15	103.61	/	/	33.90	11.22	46.58	100	85	Peak
5200	92.29	93.75	/	/	33.90	11.22	46.58	100	85	Average
5350	52.49	52.84	74.00	-21.51	34.80	11.39	46.54	100	85	Peak
5350	45.83	46.18	54.00	-8.17	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.69	52.91	74.00	-22.31	34.20	11.17	46.59	100	165	Peak
5150	44.87	46.09	54.00	-9.13	34.20	11.17	46.59	100	165	Average
5240	102.84	103.68	/	/	34.46	11.27	46.57	100	165	Peak
5240	92.33	93.17	/	/	34.46	11.27	46.57	100	165	Average
5350	52.43	53.28	74.00	-21.57	34.30	11.39	46.54	100	165	Peak
5350	45.57	46.42	54.00	-8.43	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.54	52.96	74.00	-22.46	34.00	11.17	46.59	100	85	Peak
5150	45.17	46.59	54.00	-8.83	34.00	11.17	46.59	100	85	Average
5240	103.33	104.65	/	/	33.98	11.27	46.57	100	85	Peak
5240	92.95	94.27	/	/	33.98	11.27	46.57	100	85	Average
5350	54.37	54.72	74.00	-19.63	34.80	11.39	46.54	100	85	Peak
5350	46.88	47.23	54.00	-7.12	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.40	53.62	74.00	-21.60	34.20	11.17	46.59	100	165	Peak
5150	45.71	46.93	54.00	-8.29	34.20	11.17	46.59	100	165	Average
5190	97.35	98.44	/	/	34.28	11.21	46.58	100	165	Peak
5190	88.20	89.29	/	/	34.28	11.21	46.58	100	165	Average
5350	52.10	52.95	74.00	-21.90	34.30	11.39	46.54	100	165	Peak
5350	45.33	46.18	54.00	-8.67	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.10	54.52	74.00	-20.90	34.00	11.17	46.59	100	85	Peak
5150	45.69	47.11	54.00	-8.31	34.00	11.17	46.59	100	85	Average
5190	97.87	99.32	/	/	33.92	11.21	46.58	100	85	Peak
5190	89.30	90.75	/	/	33.92	11.21	46.58	100	85	Average
5350	52.28	52.63	74.00	-21.72	34.80	11.39	46.54	100	85	Peak
5350	45.81	46.16	54.00	-8.19	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.63	53.85	74.00	-21.37	34.20	11.17	46.59	100	165	Peak
5150	45.00	46.22	54.00	-9.00	34.20	11.17	46.59	100	165	Average
5230	97.06	97.95	/	/	34.42	11.26	46.57	100	165	Peak
5230	89.67	90.56	/	/	34.42	11.26	46.57	100	165	Average
5350	53.30	54.15	74.00	-20.70	34.30	11.39	46.54	100	165	Peak
5350	45.91	46.76	54.00	-8.09	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.84	74.00	-21.58	34.00	11.17	46.59	100	85	Peak
5150	44.94	46.36	54.00	-9.06	34.00	11.17	46.59	100	85	Average
5230	97.61	98.96	/	/	33.96	11.26	46.57	100	85	Peak
5230	90.52	91.87	/	/	33.96	11.26	46.57	100	85	Average
5350	54.50	54.85	74.00	-19.50	34.80	11.39	46.54	100	85	Peak
5350	47.16	47.51	54.00	-6.84	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



802.11ax (80MHz) (RU996):

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.67	53.89	74.00	-21.33	34.20	11.17	46.59	100	165	Peak
5150	45.53	46.75	54.00	-8.47	34.20	11.17	46.59	100	165	Average
5210	92.61	93.61	/	/	34.34	11.24	46.58	100	165	Peak
5210	84.05	85.05	/	/	34.34	11.24	46.58	100	165	Average
5350	52.37	53.22	74.00	-21.63	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.32	53.74	74.00	-21.68	34.00	11.17	46.59	100	85	Peak
5150	45.57	46.99	54.00	-8.43	34.00	11.17	46.59	100	85	Average
5210	92.97	94.39	/	/	33.92	11.24	46.58	100	85	Peak
5210	85.53	86.95	/	/	33.92	11.24	46.58	100	85	Average
5350	52.36	52.71	74.00	-21.64	34.80	11.39	46.54	100	85	Peak
5350	45.94	46.29	54.00	-8.06	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



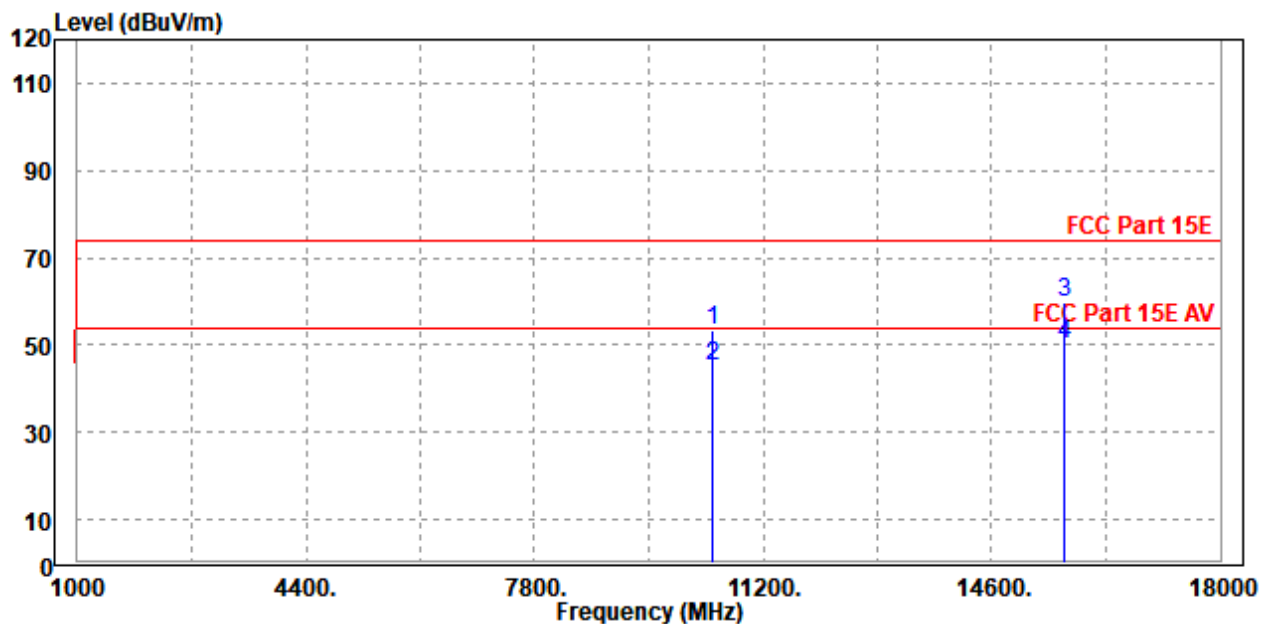
802.11ax (40MHz) RU484

Worst case harmonic:

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

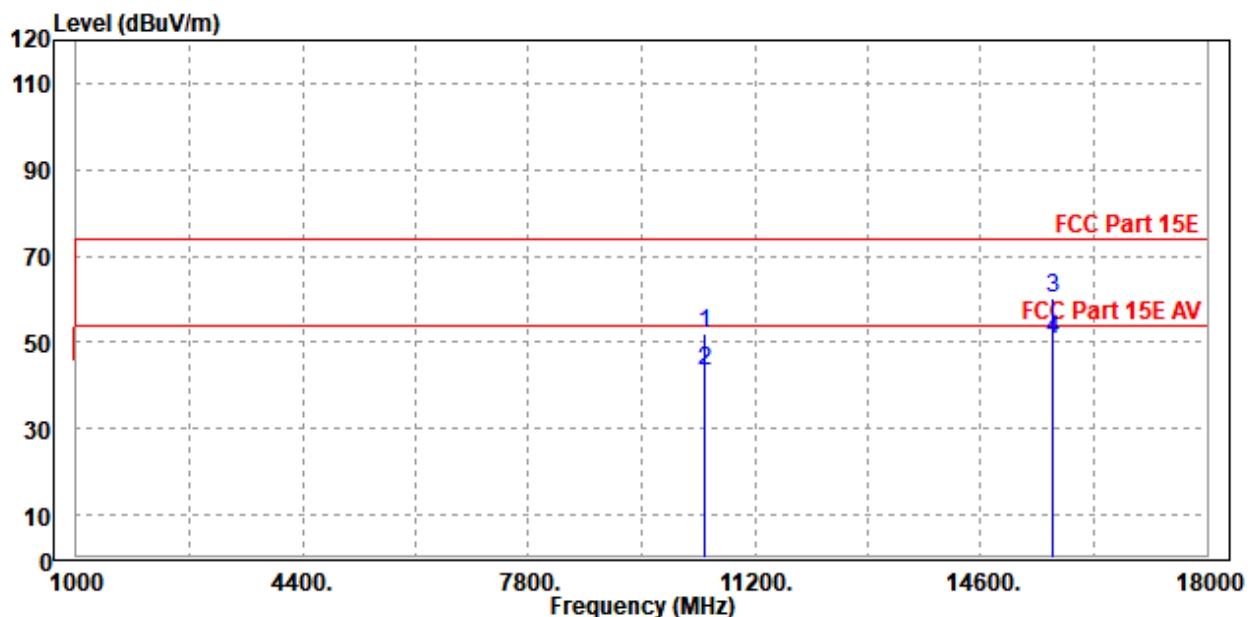
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10452.000	53.32	46.01	74.00	-20.68	7.31	Peak	Horizontal
2	10452.000	45.13	37.82	54.00	-8.87	7.31	Average	Horizontal
3	PK15690.000	59.56	39.88	74.00	-14.44	19.68	Peak	Horizontal
4	PP15690.000	50.25	30.57	54.00	-3.75	19.68	Average	Horizontal





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10460.000	51.95	44.93	74.00	-22.05	7.02	Peak	Vertical
2	10460.000	43.20	36.18	54.00	-10.80	7.02	Average	Vertical
3	PK15688.000	60.03	40.56	74.00	-13.97	19.47	Peak	Vertical
4	PP15688.000	50.49	31.02	54.00	-3.51	19.47	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



Band 2

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.37	46.59	54.00	-8.63	34.20	11.17	46.59	100	165	Average
5260	103.84	104.66	/	/	34.46	11.29	46.57	100	165	Peak
5260	94.61	95.43	/	/	34.46	11.29	46.57	100	165	Average
5350	52.31	53.16	74.00	-21.69	34.30	11.39	46.54	100	165	Peak
5350	45.42	46.27	54.00	-8.58	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.31	54.73	74.00	-20.69	34.00	11.17	46.59	100	85	Peak
5150	45.74	47.16	54.00	-8.26	34.00	11.17	46.59	100	85	Average
5260	105.20	106.36	/	/	34.12	11.29	46.57	100	85	Peak
5260	96.30	97.46	/	/	34.12	11.29	46.57	100	85	Average
5350	53.29	53.64	74.00	-20.71	34.80	11.39	46.54	100	85	Peak
5350	45.88	46.23	54.00	-8.12	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.21	53.43	74.00	-21.79	34.20	11.17	46.59	100	85	Peak
5150	45.53	46.75	54.00	-8.47	34.20	11.17	46.59	100	85	Average
5300	103.26	104.18	/	/	34.30	11.34	46.56	100	85	Peak
5300	94.73	95.65	/	/	34.30	11.34	46.56	100	85	Average
5350	51.99	52.84	74.00	-22.01	34.30	11.39	46.54	100	85	Peak
5350	45.38	46.23	54.00	-8.62	34.30	11.39	46.54	100	85	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.55	53.97	74.00	-21.45	34.00	11.17	46.59	100	85	Peak
5150	45.43	46.85	54.00	-8.57	34.00	11.17	46.59	100	85	Average
5300	105.80	106.42	/	/	34.60	11.34	46.56	100	85	Peak
5300	97.01	97.63	/	/	34.60	11.34	46.56	100	85	Average
5350	54.10	54.45	74.00	-19.90	34.80	11.39	46.54	100	85	Peak
5350	46.44	46.79	54.00	-7.56	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.62	52.84	74.00	-22.38	34.20	11.17	46.59	100	165	Peak
5150	45.23	46.45	54.00	-8.77	34.20	11.17	46.59	100	165	Average
5320	103.95	104.84	/	/	34.30	11.36	46.55	100	165	Peak
5320	94.98	95.87	/	/	34.30	11.36	46.55	100	165	Average
5350	54.00	54.85	74.00	-20.00	34.30	11.39	46.54	100	165	Peak
5350	45.86	46.71	54.00	-8.14	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.45	52.87	74.00	-22.55	34.00	11.17	46.59	100	85	Peak
5150	44.87	46.29	54.00	-9.13	34.00	11.17	46.59	100	85	Average
5320	105.90	106.41	/	/	34.68	11.36	46.55	100	85	Peak
5320	97.01	97.52	/	/	34.68	11.36	46.55	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	46.07	46.42	54.00	-7.93	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

802.11n (20MHz)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.62	54.84	74.00	-20.38	34.20	11.17	46.59	100	85	Peak
5150	45.71	46.93	54.00	-8.29	34.20	11.17	46.59	100	85	Average
5260	100.45	101.27	/	/	34.46	11.29	46.57	100	85	Peak
5260	91.73	92.55	/	/	34.46	11.29	46.57	100	85	Average
5350	52.12	52.97	74.00	-21.88	34.30	11.39	46.54	100	85	Peak
5350	45.44	46.29	54.00	-8.56	34.30	11.39	46.54	100	85	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.32	53.74	74.00	-21.68	34.00	11.17	46.59	100	85	Peak
5150	45.43	46.85	54.00	-8.57	34.00	11.17	46.59	100	85	Average
5260	101.40	102.56	/	/	34.12	11.29	46.57	100	85	Peak
5260	92.00	93.16	/	/	34.12	11.29	46.57	100	85	Average
5350	52.44	52.79	74.00	-21.56	34.80	11.39	46.54	100	85	Peak
5350	45.61	45.96	54.00	-8.39	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.27	53.49	74.00	-21.73	34.20	11.17	46.59	100	165	Peak
5150	45.90	47.12	54.00	-8.10	34.20	11.17	46.59	100	165	Average
5300	99.94	100.86	/	/	34.30	11.34	46.56	100	165	Peak
5300	90.57	91.49	/	/	34.30	11.34	46.56	100	165	Average
5350	52.90	53.75	74.00	-21.10	34.30	11.39	46.54	100	165	Peak
5350	46.04	46.89	54.00	-7.96	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.15	54.57	74.00	-20.85	34.00	11.17	46.59	100	85	Peak
5150	45.69	47.11	54.00	-8.31	34.00	11.17	46.59	100	85	Average
5300	102.17	102.79	/	/	34.60	11.34	46.56	100	85	Peak
5300	92.89	93.51	/	/	34.60	11.34	46.56	100	85	Average
5350	53.77	54.12	74.00	-20.23	34.80	11.39	46.54	100	85	Peak
5350	46.86	47.21	54.00	-7.14	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.36	46.58	54.00	-8.64	34.20	11.17	46.59	100	165	Average
5320	100.95	101.84	/	/	34.30	11.36	46.55	100	165	Peak
5320	91.87	92.76	/	/	34.30	11.36	46.55	100	165	Average
5350	53.34	54.19	74.00	-20.66	34.30	11.39	46.54	100	165	Peak
5350	46.17	47.02	54.00	-7.83	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.79	53.21	74.00	-22.21	34.00	11.17	46.59	100	85	Peak
5150	45.15	46.57	54.00	-8.85	34.00	11.17	46.59	100	85	Average
5320	102.92	103.43	/	/	34.68	11.36	46.55	100	85	Peak
5320	93.56	94.07	/	/	34.68	11.36	46.55	100	85	Average
5350	53.43	53.78	74.00	-20.57	34.80	11.39	46.54	100	85	Peak
5350	47.28	47.63	54.00	-6.72	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

802.11n (40MHz)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.45	53.67	74.00	-21.55	34.20	11.17	46.59	100	165	Peak
5150	45.20	46.42	54.00	-8.80	34.20	11.17	46.59	100	165	Average
5270	95.74	96.58	/	/	34.42	11.30	46.56	100	165	Peak
5270	87.55	88.39	/	/	34.42	11.30	46.56	100	165	Average
5350	53.61	54.46	74.00	-20.39	34.30	11.39	46.54	100	165	Peak
5350	45.54	46.39	54.00	-8.46	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.45	54.87	74.00	-20.55	34.00	11.17	46.59	100	85	Peak
5150	45.87	47.29	54.00	-8.13	34.00	11.17	46.59	100	85	Average
5270	97.10	98.12	/	/	34.24	11.30	46.56	100	85	Peak
5270	88.59	89.61	/	/	34.24	11.30	46.56	100	85	Average
5350	53.13	53.48	74.00	-20.87	34.80	11.39	46.54	100	85	Peak
5350	46.00	46.35	54.00	-8.00	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.04	53.26	74.00	-21.96	34.20	11.17	46.59	100	165	Peak
5150	45.24	46.46	54.00	-8.76	34.20	11.17	46.59	100	165	Average
5310	96.51	97.41	/	/	34.30	11.35	46.55	100	165	Peak
5310	87.54	88.44	/	/	34.30	11.35	46.55	100	165	Average
5350	52.76	53.61	74.00	-21.24	34.30	11.39	46.54	100	165	Peak
5350	46.00	46.85	54.00	-8.00	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.19	53.61	74.00	-21.81	34.00	11.17	46.59	100	85	Peak
5150	44.79	46.21	54.00	-9.21	34.00	11.17	46.59	100	85	Average
5310	97.79	98.35	/	/	34.64	11.35	46.55	100	85	Peak
5310	89.97	90.53	/	/	34.64	11.35	46.55	100	85	Average
5350	52.49	52.84	74.00	-21.51	34.80	11.39	46.54	100	85	Peak
5350	46.02	46.37	54.00	-7.98	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5310MHz: Fundamental frequency.



802.11ax (20MHz)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.42	53.64	74.00	-21.58	34.20	11.17	46.59	100	165	Peak
5150	45.64	46.86	54.00	-8.36	34.20	11.17	46.59	100	165	Average
5260	99.59	100.41	/	/	34.46	11.29	46.57	100	165	Peak
5260	89.16	89.98	/	/	34.46	11.29	46.57	100	165	Average
5350	51.64	52.49	74.00	-22.36	34.30	11.39	46.54	100	165	Peak
5350	45.25	46.10	54.00	-8.75	34.30	11.39	46.54	100	165	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.04	53.46	74.00	-21.96	34.00	11.17	46.59	100	85	Peak
5150	45.66	47.08	54.00	-8.34	34.00	11.17	46.59	100	85	Average
5260	100.74	101.90	/	/	34.12	11.29	46.57	100	85	Peak
5260	89.83	90.99	/	/	34.12	11.29	46.57	100	85	Average
5350	52.54	52.89	74.00	-21.46	34.80	11.39	46.54	100	85	Peak
5350	45.91	46.26	54.00	-8.09	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.57	53.79	74.00	-21.43	34.20	11.17	46.59	100	165	Peak
5150	45.48	46.70	54.00	-8.52	34.20	11.17	46.59	100	165	Average
5300	99.91	100.83	/	/	34.30	11.34	46.56	100	165	Peak
5300	89.13	90.05	/	/	34.30	11.34	46.56	100	165	Average
5350	53.31	54.16	74.00	-20.69	34.30	11.39	46.54	100	165	Peak
5350	46.00	46.85	54.00	-8.00	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.89	54.31	74.00	-21.11	34.00	11.17	46.59	100	85	Peak
5150	45.79	47.21	54.00	-8.21	34.00	11.17	46.59	100	85	Average
5300	101.57	102.19	/	/	34.60	11.34	46.56	100	85	Peak
5300	90.65	91.27	/	/	34.60	11.34	46.56	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	46.61	46.96	54.00	-7.39	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.



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Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.05	53.27	74.00	-21.95	34.20	11.17	46.59	100	165	Peak
5150	45.35	46.57	54.00	-8.65	34.20	11.17	46.59	100	165	Average
5320	98.04	98.93	/	/	34.30	11.36	46.55	100	165	Peak
5320	87.76	88.65	/	/	34.30	11.36	46.55	100	165	Average
5350	53.30	54.15	74.00	-20.70	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.34	52.76	74.00	-22.66	34.00	11.17	46.59	100	85	Peak
5150	44.43	45.85	54.00	-9.57	34.00	11.17	46.59	100	85	Average
5320	99.24	99.75	/	/	34.68	11.36	46.55	100	85	Peak
5320	89.40	89.91	/	/	34.68	11.36	46.55	100	85	Average
5350	53.26	53.61	74.00	-20.74	34.80	11.39	46.54	100	85	Peak
5350	45.67	46.02	54.00	-8.33	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



802.11ax (40MHz)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	50.99	52.21	74.00	-23.01	34.20	11.17	46.59	100	165	Peak
5150	45.63	46.85	54.00	-8.37	34.20	11.17	46.59	100	165	Average
5270	91.56	92.40	/	/	34.42	11.30	46.56	100	165	Peak
5270	84.30	85.14	/	/	34.42	11.30	46.56	100	165	Average
5350	52.79	53.64	74.00	-21.21	34.30	11.39	46.54	100	165	Peak
5350	45.34	46.19	54.00	-8.66	34.30	11.39	46.54	100	165	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.90	54.32	74.00	-21.10	34.00	11.17	46.59	100	85	Peak
5150	45.51	46.93	54.00	-8.49	34.00	11.17	46.59	100	85	Average
5270	94.64	95.66	/	/	34.24	11.30	46.56	100	85	Peak
5270	86.57	87.59	/	/	34.24	11.30	46.56	100	85	Average
5350	52.21	52.56	74.00	-21.79	34.80	11.39	46.54	100	85	Peak
5350	45.73	46.08	54.00	-8.27	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.94	53.16	74.00	-22.06	34.20	11.17	46.59	100	165	Peak
5150	45.01	46.23	54.00	-8.99	34.20	11.17	46.59	100	165	Average
5310	101.94	102.84	/	/	34.30	11.35	46.55	100	165	Peak
5310	84.73	85.63	/	/	34.30	11.35	46.55	100	165	Average
5350	53.21	54.06	74.00	-20.79	34.30	11.39	46.54	100	165	Peak
5350	45.47	46.32	54.00	-8.53	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.13	52.55	74.00	-22.87	34.00	11.17	46.59	100	85	Peak
5150	44.88	46.30	54.00	-9.12	34.00	11.17	46.59	100	85	Average
5310	95.75	96.31	/	/	34.64	11.35	46.55	100	85	Peak
5310	86.95	87.51	/	/	34.64	11.35	46.55	100	85	Average
5350	54.16	54.51	74.00	-19.84	34.80	11.39	46.54	100	85	Peak
5350	45.89	46.24	54.00	-8.11	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5310MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P24050018RF03

802.11ax (80MHz)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.62	53.84	74.00	-21.38	34.20	11.17	46.59	100	165	Peak
5150	45.20	46.42	54.00	-8.80	34.20	11.17	46.59	100	165	Average
5290	88.17	89.07	/	/	34.34	11.32	46.56	100	165	Peak
5290	80.07	80.97	/	/	34.34	11.32	46.56	100	165	Average
5350	53.33	54.18	74.00	-20.67	34.30	11.39	46.54	100	165	Peak
5350	45.50	46.35	54.00	-8.50	34.30	11.39	46.54	100	165	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.22	53.64	74.00	-21.78	34.00	11.17	46.59	100	85	Peak
5150	44.97	46.39	54.00	-9.03	34.00	11.17	46.59	100	85	Average
5290	89.78	90.54	/	/	34.48	11.32	46.56	100	85	Peak
5290	81.76	82.52	/	/	34.48	11.32	46.56	100	85	Average
5350	54.12	54.47	74.00	-19.88	34.80	11.39	46.54	100	85	Peak
5350	45.82	46.17	54.00	-8.18	34.80	11.39	46.54	100	85	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.