



FCC RADIO TEST REPORT

Applicant : TRENDNET INC

Address : 20675 MANHATTAN PL, TORRANCE,
CA 90501 USA

Equipment : AX1800 Dual Band WiFi 6 PoE+ Access Point

Model No. : TEW-921DAPxx
(x=0-9,A-Z,"/" or blank for marketing purpose)

Trade Name : TRENDnet

FCC ID. : XU8TEW921DAP

I HEREBY CERTIFY THAT :

The sample was received on Oct. 06, 2020 and the testing was completed on Nov. 12, 2020 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





Contents

1. Summary of Test Procedure and Test Results.....	4
1.1 Applicable Standards	4
2. Test Configuration of Equipment under Test.....	5
2.1 Feature of Equipment under Test.....	5
2.2 Test Mode and Test Software	6
2.3 Description of Test System.....	7
2.4 General Information of Test	8
2.5 Measurement Uncertainty	8
3. Test Equipment and Ancillaries Used for Tests	9
4. Test of AC Power Line Conducted Emission	11
4.1 Test Result and Data	11
4.2 Test Photographs (30MHz ~ 1GHz)	13
5. Test of Spurious Emission (Radiated)	14
5.1 Test Limit	14
5.2 Test Procedures	15
5.3 Typical Test Setup	15
5.4 Test Result and Data (9kHz ~ 30MHz).....	17
5.5 Test Result and Data (30MHz ~ 1GHz).....	17
5.6 Test Result and Data (1GHz ~ 25GHz).....	19
5.7 Restricted Bands of Operation	21
5.8 Test Photographs (30MHz ~ 1GHz)	22
5.9 Test Photographs (1GHz ~ 40GHz)	23
6. Test of Conducted Spurious Emission	25
6.1 Test Limit	25
6.2 Test Procedure	25
6.3 Test Setup Layout	25
6.4 Test Result and Data	25



History of this test report

Report No.	Issue Date	Description
TEFU2009275	Nov. 17, 2020	Original

Report Type		Description
☐	Original report	NA
☒	Derivative Report	This sample provided has been confirmed to be identical to the original report sample. The only difference are as listed below. As it doesn't affect the test result, the original report number: TEFU2009273 and content will be used. 1.Applicant information. 2.Equipment name. 3.Model number. 4.Trade name.



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10:2013

Description of Test	Result
CO-LOCATION	PASS

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(TEFD2009275).



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Frequency Range	802.11b/g/n/ax: 2412-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz
Modulation Type	WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM
Data Rate	WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	2412-2462MHz: ANT A:3.2dBi, ANT B:3.1dBi 5180-5240MHz: ANT A:3.8dBi, ANT B:4dBi 5745-5825MHz: ANT A:4.2dBi, ANT B:4dBi
Adapter	1. Brand: APD ,Model: WB-18Q12FK 2. Brand: APD ,Model: WB-18Q12FG 3. Brand: APD ,Model: WB-18Q12FU1

Note:

- 1.WLAN 2.4G 802.11n Support TurboQAM.
- 2.WLAN 2.4GHz 802.11n and TurboQAM and 802.11ax support beamforming Function.
- 3.WLAN 5GHz 802.11ac and 802.11ax support beamforming Function.
- 4.EUT not support TPC Function.
- 5.WLAN 2.4G and WLAN 5G can simultaneously transmission.
- 6.EUT support Master and Client Mode.
- 7.For more details, please refer to the User's manual of the EUT.

Difference description

Model No.	Remark
TEW-921DAPxx	x=0-9,A-Z,"/" or blank for marketing purpose



2.2 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included Notebook and EUT for RF test.
- c. An executive program, " QRCT ver.4.0.00129.0" under Windows OS system was executed to transmit and receive data via WLAN.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	2.4G 11b CH06 + 5G 11a CH157 , Power from PoE
2	2.4G 11b CH06 + 5G 11a CH157 , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	2.4G 11b CH06 + 5G 11a CH157 , Power from PoE
2	2.4G 11b CH06 + 5G 11a CH157 , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	2.4G 11b CH06 + 5G 11a CH157 , Power from PoE
2	2.4G 11b CH06 + 5G 11a CH157 , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	



2.3 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.8m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A



2.4 General Information of Test

Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz	
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.	

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2020/10/29~2020/10/30	24~26°C / 42~45%	Nick Guan
Radiated Emissions	3M02-NK	2020/10/26~2020/11/06	20~25°C / 45~47%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2020/11/08~2020/11/12	25~28°C / 43~54%	Leon Huang Dian Chen

2.5 Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.42dB
Radiated Spurious Emission(9KHz~30MHz)	±3.404dB
Radiated Spurious Emission(30MHz~1GHz)	±5.686dB
Radiated Spurious Emission(1GHz~40GHz)	±6.597dB
Conducted Spurious Emission	±2.022dB



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2020/04/10	2021/04/09
Active Loop Antenna	EMCO	6507	40855	2020/05/21	2021/05/20
Horn Antenna	EMCO	3115	31601	2020/10/16	2021/10/15
Horn Antenna	EMCO	3116	31970	2020/03/26	2021/03/25
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2020/06/23	2021/06/22
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2020/08/03	2021/08/02
Preamplifier	EM Electronics corp.	EM330	60660	2020/03/16	2021/03/15
Preamplifier	Agilent	8449B	3008A01954	2020/03/16	2021/03/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2019/11/07	2020/11/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2020/04/09	2021/04/08
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2020/05/27	2021/05/26
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2020/05/27	2021/05/26
Cable-8m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2020/05/27	2021/05/26
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2020/04/01	2021/03/31
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2020/04/01	2021/03/31
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2020/04/09	2021/04/08
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2019/11/25	2020/11/24
Attenuator	KEYSIGHT	8491B	MY39250703	2020/04/17	2021/04/16
TEMP & HUMI CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2020/08/25	2021/08/24
Power Meter	Anritsu	ML2495A	1224005	2020/04/17	2021/04/16
Power Sensor	Anritsu	MA2411B	1207295	2020/04/17	2021/04/16



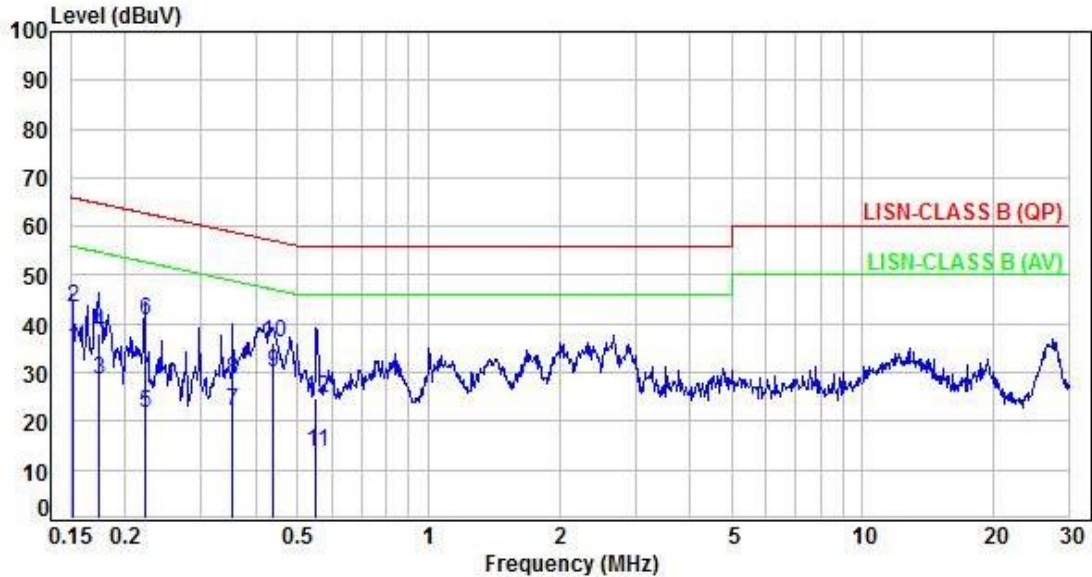
Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100443	2020/05/25	2021/05/24
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2020/03/12	2021/03/11
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2020/03/11	2021/03/10
Cable-6m(9k~300M)	NA	CFD300-NL	NA	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA



4. Test of AC Power Line Conducted Emission

4.1 Test Result and Data

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.05	24.84	34.89	55.94	-21.05	Average	P
2	0.15	10.05	33.13	43.18	65.94	-22.76	QP	P
3	0.17	10.05	18.34	28.39	54.72	-26.33	Average	P
4	0.17	10.05	28.16	38.21	64.72	-26.51	QP	P
5	0.22	10.05	11.56	21.61	52.74	-31.13	Average	P
6	0.22	10.05	30.63	40.68	62.74	-22.06	QP	P
7	0.35	10.05	12.08	22.13	48.87	-26.74	Average	P
8	0.35	10.05	18.57	28.62	58.87	-30.25	QP	P
9	0.44	10.05	20.02	30.07	47.06	-16.99	Average	P
10	0.44	10.05	26.01	36.06	57.06	-21.00	QP	P
11	0.55	10.06	3.53	13.59	46.00	-32.41	Average	P
12	0.55	10.06	14.68	24.74	56.00	-31.26	QP	P

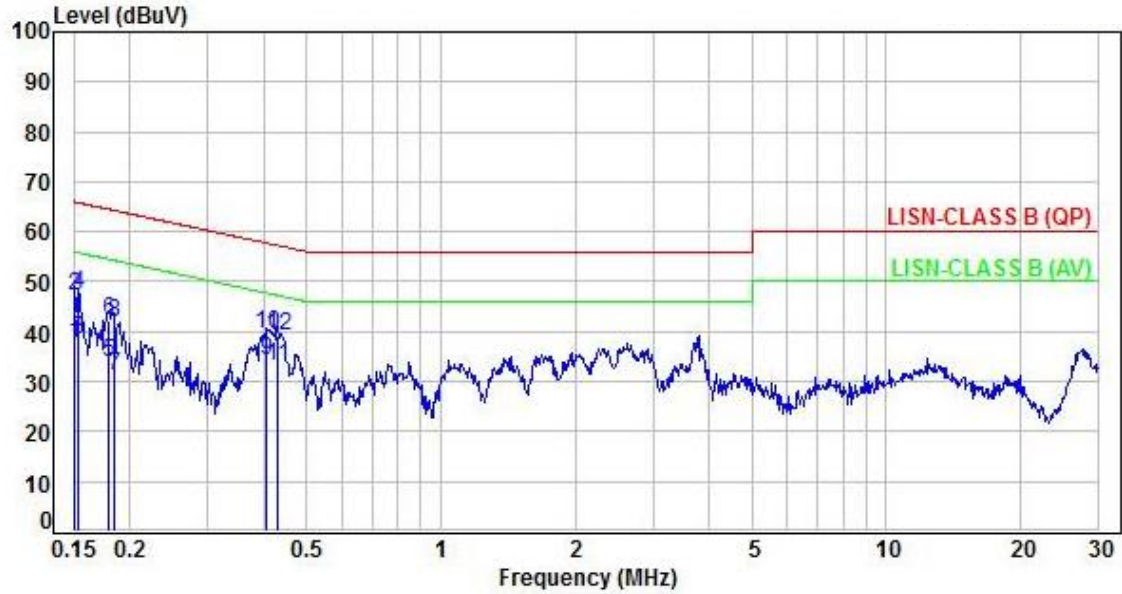
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.02	27.46	37.48	55.99	-18.51	Average	P
2	0.15	10.02	37.15	47.17	65.99	-18.82	QP	P
3	0.15	10.02	28.31	38.33	55.82	-17.49	Average	P
4	0.15	10.02	37.43	47.45	65.82	-18.37	QP	P
5	0.18	10.02	23.98	34.00	54.50	-20.50	Average	P
6	0.18	10.02	32.20	42.22	64.50	-22.28	QP	P
7	0.18	10.02	21.11	31.13	54.28	-23.15	Average	P
8	0.18	10.02	31.88	41.90	64.28	-22.38	QP	P
9	0.41	10.02	24.20	34.22	47.73	-13.51	Average	P
10	0.41	10.02	29.62	39.64	57.73	-18.09	QP	P
11	0.43	10.02	23.16	33.18	47.24	-14.06	Average	P
12	0.43	10.02	29.02	39.04	57.24	-18.20	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



5. Test of Spurious Emission (Radiated)

5.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

Frequency (MHz)	Field Strength (microvolt/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



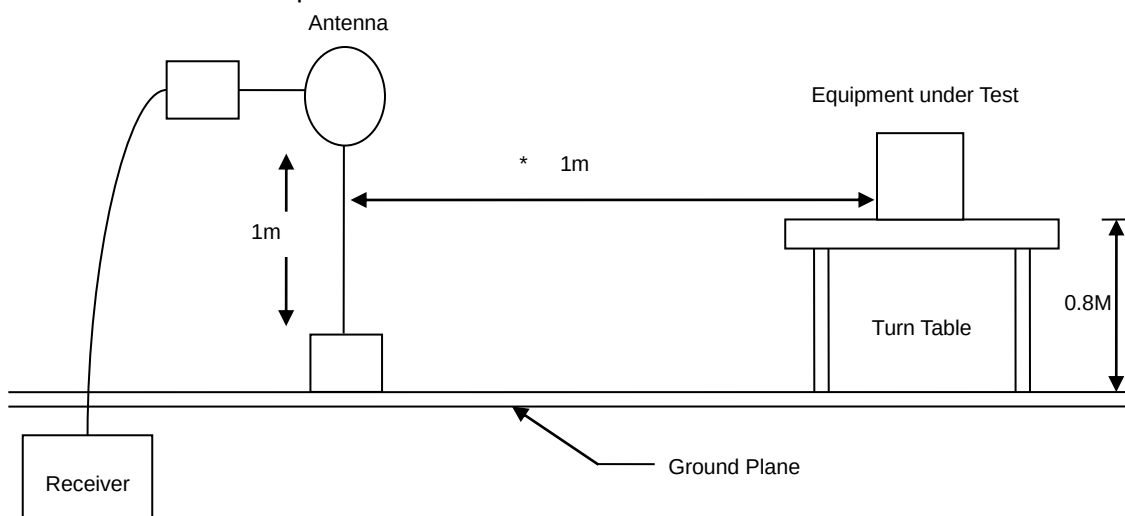
5.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
(Z-AXIS is the worst.)

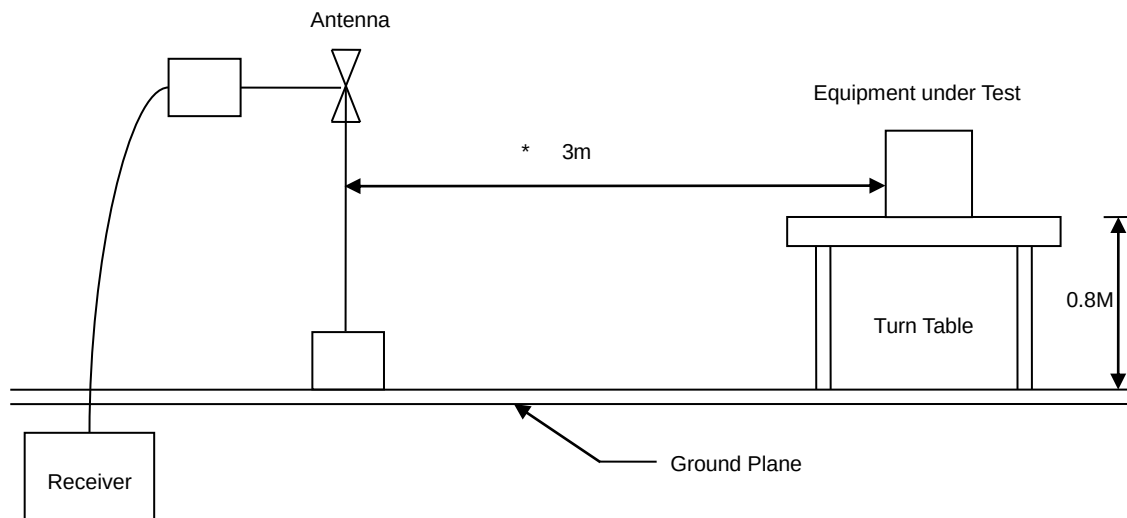
5.3 Typical Test Setup

Below 30MHz test setup

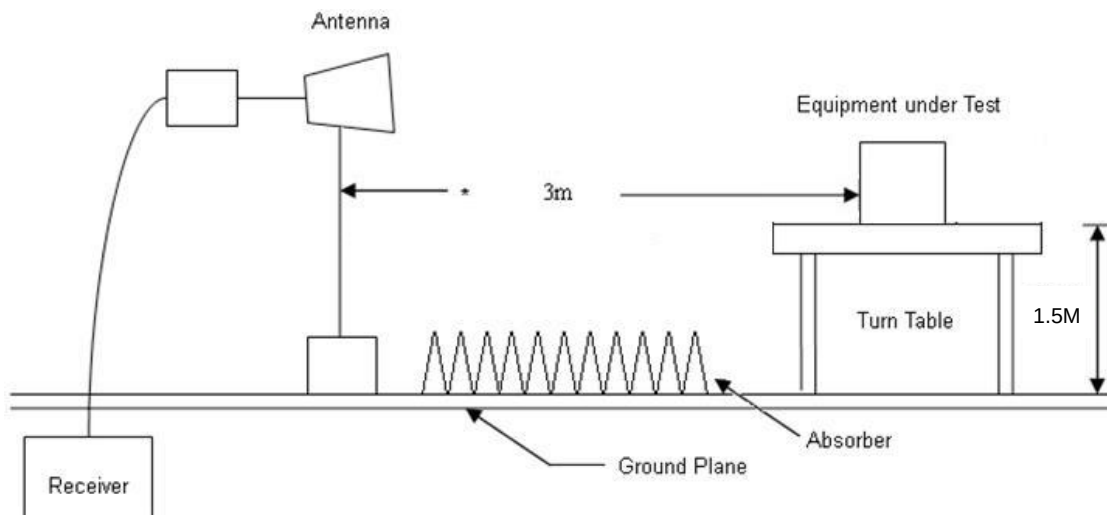




30MHz- 1GHz Test Setup



Above 1GHz Test Setup



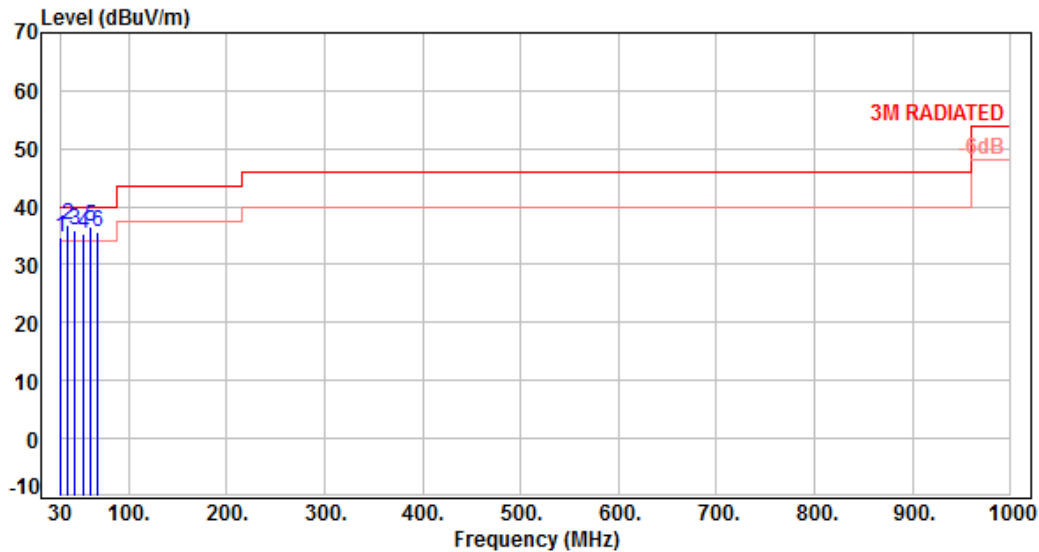


5.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

5.5 Test Result and Data (30MHz ~ 1GHz)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	45.00	34.58	40.00	-5.42	QP	100	0	P
2	37.76	-10.05	47.01	36.96	40.00	-3.04	Peak	400	0	P
3	44.55	-9.57	45.60	36.03	40.00	-3.97	QP	100	0	P
4	53.28	-9.49	44.90	35.41	40.00	-4.59	QP	100	0	P
5	61.04	-10.29	46.88	36.59	40.00	-3.41	Peak	400	0	P
6	67.83	-11.33	46.82	35.49	40.00	-4.51	Peak	400	0	P

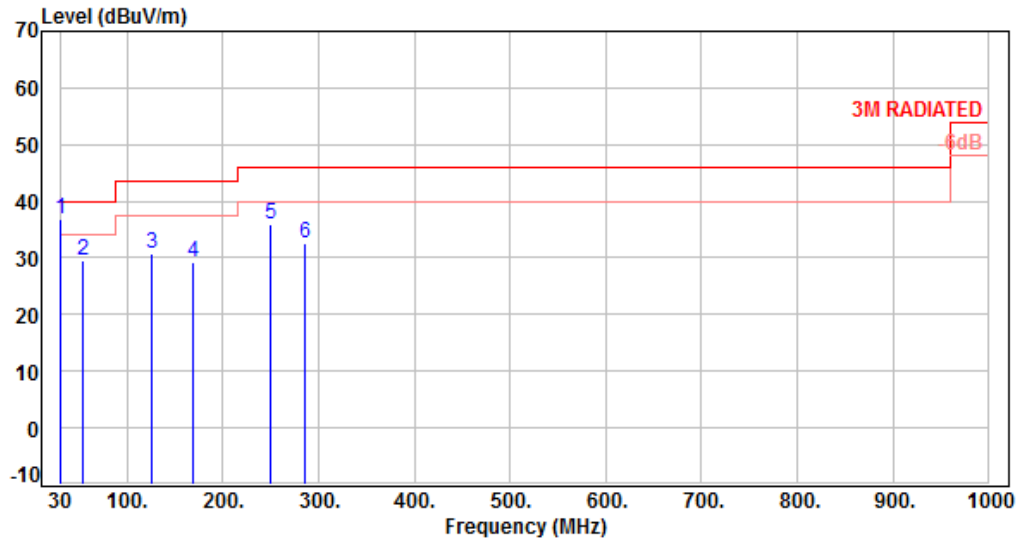
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	47.18	36.76	40.00	-3.24	Peak	100	0	P
2	53.28	-9.49	39.11	29.62	40.00	-10.38	Peak	100	0	P
3	125.06	-11.29	42.11	30.82	43.50	-12.68	Peak	100	0	P
4	169.68	-9.67	38.78	29.11	43.50	-14.39	Peak	100	0	P
5	250.19	-10.34	46.22	35.88	46.00	-10.12	Peak	100	0	P
6	285.11	-8.90	41.61	32.71	46.00	-13.29	Peak	100	0	P

Note: Level=Reading+Factor

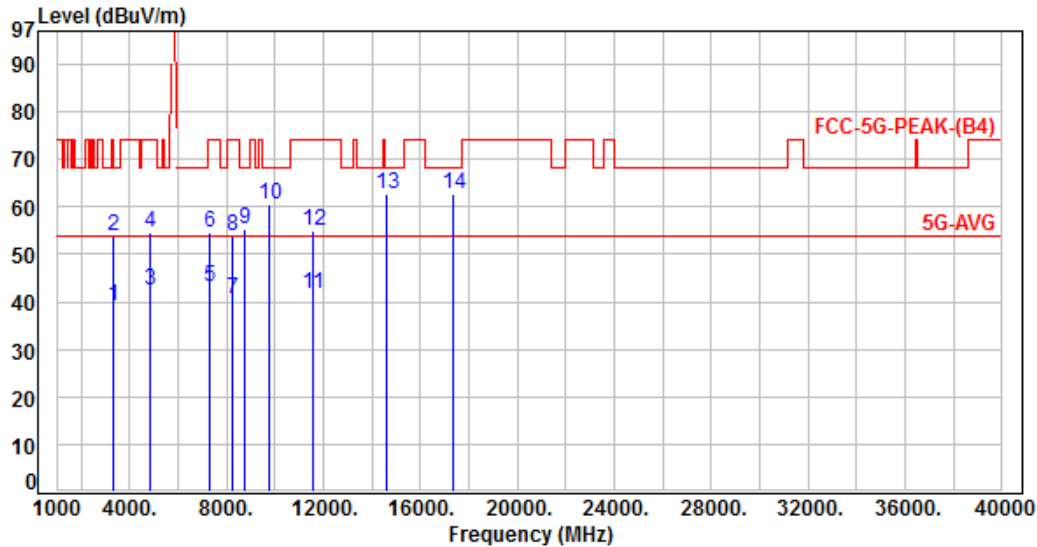
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



5.6 Test Result and Data (1GHz ~ 25GHz)

Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	3348.00	1.34	37.63	38.97	54.00	-15.03	Average	100	15	P
2	3348.00	1.34	52.33	53.67	74.00	-20.33	Peak	100	15	P
3	4874.00	5.04	37.50	42.54	54.00	-11.46	Average	100	163	P
4	4874.00	5.04	49.65	54.69	74.00	-19.31	Peak	100	163	P
5	7311.00	10.33	32.66	42.99	54.00	-11.01	Average	100	200	P
6	7311.00	10.33	44.26	54.59	74.00	-19.41	Peak	100	200	P
7	8222.00	11.45	29.02	40.47	54.00	-13.53	Average	100	50	P
8	8222.00	11.45	42.36	53.81	74.00	-20.19	Peak	100	50	P
9	8750.00	12.31	43.13	55.44	68.20	-12.76	Peak	120	75	P
10	9748.00	12.52	47.94	60.46	68.20	-7.74	Peak	100	135	P
11	11570.00	15.20	26.54	41.74	54.00	-12.26	Average	130	180	P
12	11570.00	15.20	39.65	54.85	74.00	-19.15	Peak	130	180	P
13	14622.00	20.55	42.24	62.79	68.20	-5.41	Peak	100	350	P
14	17355.00	21.34	41.35	62.69	68.20	-5.51	Peak	100	300	P

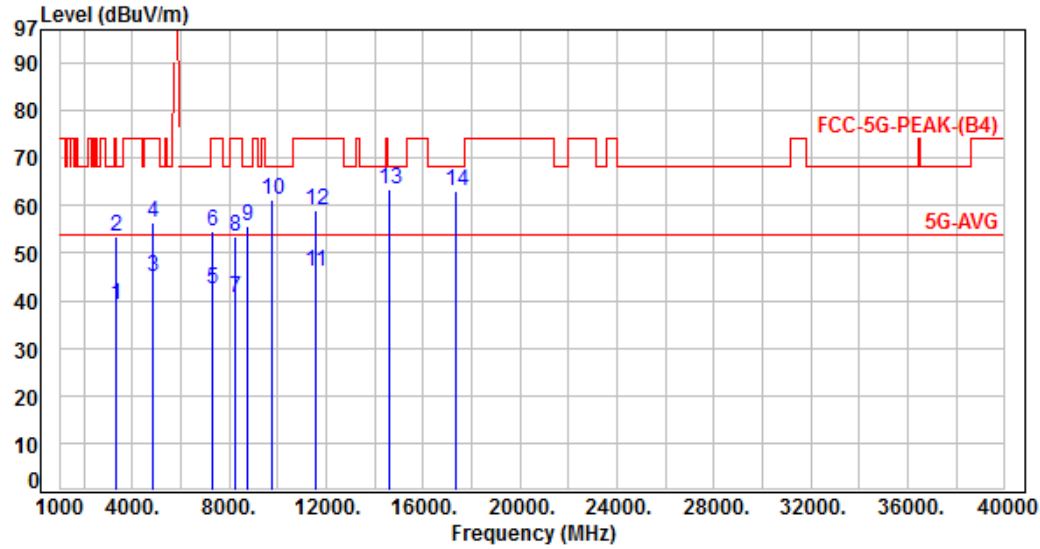
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	3348.00	1.34	37.86	39.20	54.00	-14.80	Average	100	250	P
2	3348.00	1.34	52.21	53.55	74.00	-20.45	Peak	100	250	P
3	4874.00	5.04	39.82	44.86	54.00	-9.14	Average	100	145	P
4	4874.00	5.04	51.25	56.29	74.00	-17.71	Peak	100	145	P
5	7311.00	10.33	31.95	42.28	54.00	-11.72	Average	100	90	P
6	7311.00	10.33	44.41	54.74	74.00	-19.26	Peak	100	90	P
7	8222.00	11.45	29.14	40.59	54.00	-13.41	Average	100	47	P
8	8222.00	11.45	42.19	53.64	74.00	-20.36	Peak	100	47	P
9	8750.00	12.31	43.50	55.81	68.20	-12.39	Peak	215	225	P
10	9748.00	12.52	48.59	61.11	68.20	-7.09	Peak	205	293	P
11	11570.00	15.20	30.87	46.07	54.00	-7.93	Average	100	235	P
12	11570.00	15.20	43.85	59.05	74.00	-14.95	Peak	100	235	P
13	14622.00	20.55	42.96	63.51	68.20	-4.69	Peak	100	200	P
14	17355.00	21.34	41.68	63.02	68.20	-5.18	Peak	100	144	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



5.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



6. Test of Conducted Spurious Emission

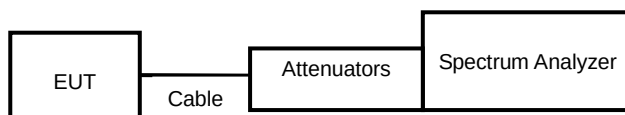
6.1 Test Limit

Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

6.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

6.3 Test Setup Layout



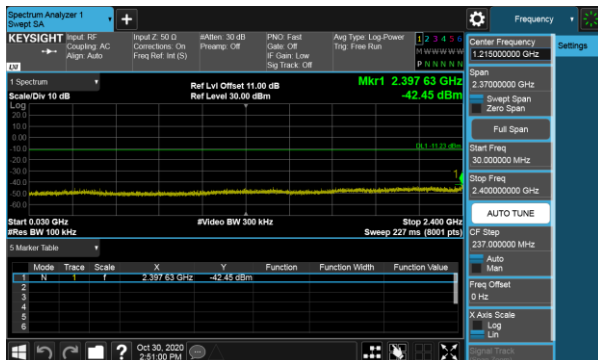
6.4 Test Result and Data

Note: Test plots refers to the following pages.



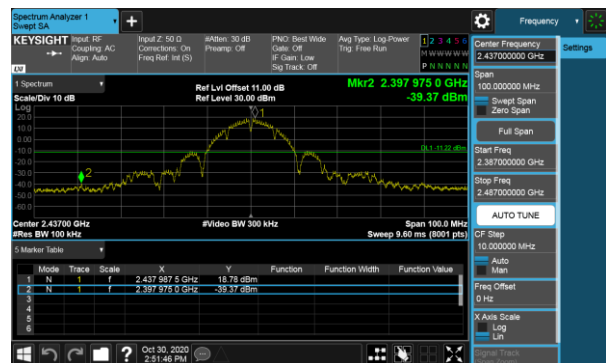
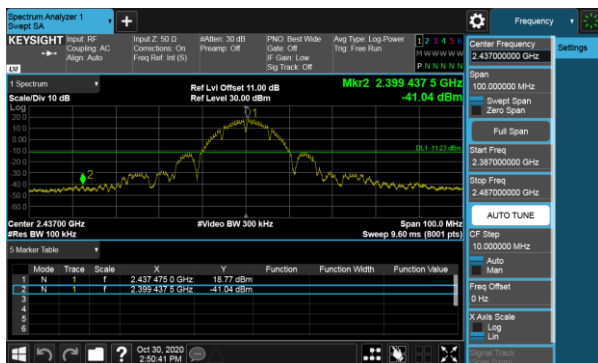
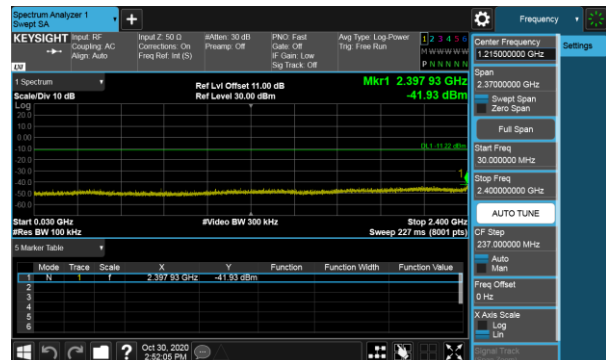
ANT A:

Modulation Type: 11b+11a_CH06+CH157



ANT B:

Modulation Type: 11b+11a_CH06+CH157



-----THE END OF REPORT-----