

FCC Test Report

Report No. : 1811C50036812502

Applicant : Anker Innovations Limited

Address : Unit 56, 8th Floor, Tower 2, Admiralty Centre,
18 Harcourt Road, Hong Kong

Product Name : Anker SOLIX C1000 Gen 2 Portable Power
Station/Anker SOLIX C1000X Gen 2 Portable
Power Station

Report Date : 2025-05-21



Shenzhen Anbotek Compliance Laboratory Limited



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TEST REPORT

Applicant : Anker Innovations Limited
Manufacturer : Anker Innovations Limited
Product Name : Anker SOLIX C1000 Gen 2 Portable Power Station/Anker SOLIX C1000X Gen 2 Portable Power Station
Model No. : A1763, A1765
Trade Mark : 
Rating(s) : Please see to page 7.

Test Standard(s) : 47 CFR Part 15.247

Test Method(s) : ANSI C63.10: 2020, KDB 558074 D01 15.247 Meas Guidance v05r02

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the 47 CFR Part 15.247 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt 2025-03-12

Date of Test 2025-03-12 to 2025-03-26

Prepared By



(Lene Chen)

Approved & Authorized Signer



(Hugo Chen)



Revision History

Report Version	Description	Issued Date
R00	Original Issue.	2025-05-21

1. General Information

1.1. Client Information

Applicant	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer	:	Anker Innovations Limited
Address	:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

1.2. Description of Device (EUT)

Product Name	:	Anker SOLIX C1000 Gen 2 Portable Power Station/Anker SOLIX C1000X Gen 2 Portable Power Station
Model No.	:	A1763, A1765 (Note: According to the model differences on page 7, we prepare "A1763" for all tests, and prepared "A1765" for conducted emission and radiated spurious emissions (below 1GHz) difference testing.)
Trade Mark	:	
Test Power Supply	:	AC 120V, 60Hz/ DC 60V/ DC 51.2V battery inside
Test Sample No.	:	A1763: 1-3-1(Normal Sample), 1-3-2(Engineering Sample) A1765: 1-3-3(Normal Sample)
Adapter	:	N/A
RF Specification		
Operation Mode	:	☒ 802.11b ☒ 802.11g ☒ 802.11n(HT20) ☒ 802.11n(HT40)
Operation Frequency	:	2412~2462MHz
Number of Channel	:	11 Channel for 20MHz bandwidth (2412~2462MHz) 7 channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	☒ 802.11b: DSSS (CCK, DQPSK, DBPSK) ☒ 802.11g: OFDM (BPSK, QPSK, 16QAM, 64QAM) ☒ 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type	:	FPC Antenna
Antenna Gain(Peak)	:	3.57dBi
Remark: 1) All of the RF specification are provided by customer. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		

Model differences:

Model No.	Product Name	Color	Number of AC Output Port	Antenna & Gain
A1763	Anker SOLIX C1000 Gen 2 Portable Power Station	Gray	5	FPC / 3.57dBi
A1765	Anker SOLIX C1000X Gen 2 Portable Power Station	Black	3	FPC / 3.40dBi

Rating(s):

A1763:

Anker SOLIX C1000 Gen 2 Portable Power Station
Model: A1763. Rated Capacity: 51.2Vdc 20000mAh/1024Wh
AC Input Voltage: 120V~14A Max, 60Hz
AC Input Power (Charging): 1200W Max
AC Input Power (Ultra Fast Charging): 1530W Max
AC Input Power (Bypass Mode): 1440W Max
XT60 Input: 11-28V = 8.2A; 28-60V = 14.5A (600W Max)
Car Charger Output: 12V = 10A USB-A1 Output: 5V = 2.4A
USB-C1 Output: 5V = 3A (15W Max)
USB-C2 Output: 5V = 3A / 9V = 3A / 15V = 3A / 20V = 3A / 20V = 5A / 28V = 5A (140W Max)
USB-C3 Output: 5V = 3A / 9V = 3A / 15V = 3A / 20V = 3A / 20V = 5A / 28V = 5A (140W Max)
AC Output (Inverter Mode):
120V~15A, 60Hz, 1800W Max, L+N+PE (Total: 120V~16.66A, 2000W)
AC Output (Bypass Mode): 120V~12A Max, 60Hz, 1440W Max, L+N+PE
Discharging Temperature: -4°F/-04°F / -20°C/-40°C
Charging Temperature: 32°F/04°F / 0°C~40°C
FCC ID: 2AOKB-A1763 IC: 23451-A1763 CAN ICES-003 (B)/NMB-003(B)
Anker Innovations Limited / Made in China
Address: Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

The device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interferences received, including interference that may cause undesired operation.

ALWAYS HERE TO HELP

— <https://support.ankersolix.com> —



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(UK) +44 (0)1616 056 301
(DE) +49 (800)000 2522
(日本) +81 03 4455 7823

WARNING-

Do not overcharge the internal battery. See Instruction Manual. Do not smoke, strike a match, or cause a spark in the vicinity of the power pack. Only charge the internal battery in a well ventilated area.

WARNING:

Risk of Electric Shock and Risk of Fire. This device is not to be stored in a vehicle.

CAUTION-

Risk of Injury To Persons. Do not use this product if the power cord or the battery cables are damaged in any way.

CAUTION-

This device is not intended for use in a commercial repair facility

CAUTION:

Risk of Electric Shock. Connect only to properly grounded outlets.

DANGER!

This device is not waterproof. Use indoors if it is raining or the ground is wet outside.

AVERTISSEMENT-

Ne pas surcharger la batterie interne. Consulter le manuel d'utilisation. Il ne faut pas fumer, allumer une allumette ou produire des étincelles à proximité du bloc d'alimentation.

AVERTISSEMENT:

Risque de blessure aux personnes. Ne pas utiliser ce produit si le cordon d'alimentation ou les câbles de batterie sont endommagés de quelque façon.

AVERTISSEMENT:

Le dispositif n'est pas destiné à être utilisé dans un atelier de réparation commercial.

MISE EN GARDE:

Risque de choc électrique. Brancher l'unité uniquement à des prises de courant correctement mises à la masse.

MISE EN GARDE:

Cet appareil n'est pas étanche. Utilisez-le à l'intérieur s'il pleut ou si le sol est humide à l'extérieur.

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Li-ion 32

A1765:

Anker SOLIX C1000X Gen 2 Portable Power Station
Model: A1765. Rated Capacity: 51.2Vdc 20000mAh/1024Wh
AC Input Voltage: 120V~14A Max, 60Hz
AC Input Power (Charging): 1200W Max
AC Input Power (Ultra Fast Charging): 1530W Max
AC Input Power (Bypass Mode): 1440W Max
XT60 Input: 11-28V = 8.2A; 28-60V = 14.5A (600W Max)
Car Charger Output: 12V = 10A USB-A1 Output: 5V = 2.4A
USB-C1 Output: 5V = 3A (15W Max)
USB-C2 Output: 5V = 3A / 9V = 3A / 15V = 3A / 20V = 3A / 20V = 5A / 28V = 5A (140W Max)
USB-C3 Output: 5V = 3A / 9V = 3A / 15V = 3A / 20V = 3A / 20V = 5A / 28V = 5A (140W Max)
AC Output (Inverter Mode):
120V~15A, 60Hz, 1800W Max, L+N+PE (Total: 120V~16.66A, 2000W)
AC Output (Bypass Mode): 120V~12A Max, 60Hz, 1440W Max, L+N+PE
Discharging Temperature: -4°F/-04°F / -20°C/-40°C
Charging Temperature: 32°F/04°F / 0°C~40°C
FCC ID: 2AOKB-A1763 IC: 23451-A1763 CAN ICES-003 (B)/NMB-003(B)
Anker Innovations Limited / Made in China
Address: Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

The device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interferences received, including interference that may cause undesired operation.

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WARNING-

Do not overcharge the internal battery. See Instruction Manual. Do not smoke, strike a match, or cause a spark in the vicinity of the power pack. Only charge the internal battery in a well ventilated area.

WARNING:

Risk of Electric Shock and Risk of Fire. This device is not to be stored in a vehicle.

CAUTION-

Risk of Injury To Persons. Do not use this product if the power cord or the battery cables are damaged in any way.

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DANGER!

This device is not waterproof. Use indoors if it is raining or the ground is wet outside.

AVERTISSEMENT-

Ne pas surcharger la batterie interne. Consulter le manuel d'utilisation. Il ne faut pas fumer, allumer une allumette ou produire des étincelles à proximité du bloc d'alimentation.

AVERTISSEMENT:

Risque de blessure aux personnes. Ne pas utiliser ce produit si le cordon d'alimentation ou les câbles de batterie sont endommagés de quelque façon.

AVERTISSEMENT:

Le dispositif n'est pas destiné à être utilisé dans un atelier de réparation commercial.

MISE EN GARDE:

Risque de choc électrique. Brancher l'unité uniquement à des prises de courant correctement mises à la masse.

MISE EN GARDE:

Cet appareil n'est pas étanche. Utilisez-le à l'intérieur s'il pleut ou si le sol est humide à l'extérieur.

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DANGER!

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1.3. Auxiliary Equipment Used During Test

Title	Manufacturer	Model No.	Serial No.
/	/	/	/

1.4. Description of Test Configuration

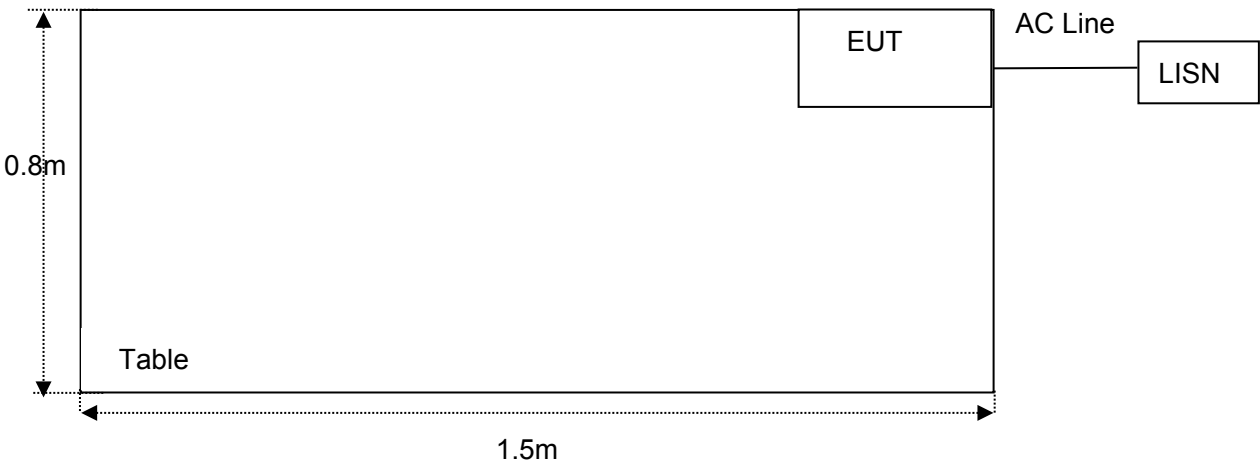
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

Note:

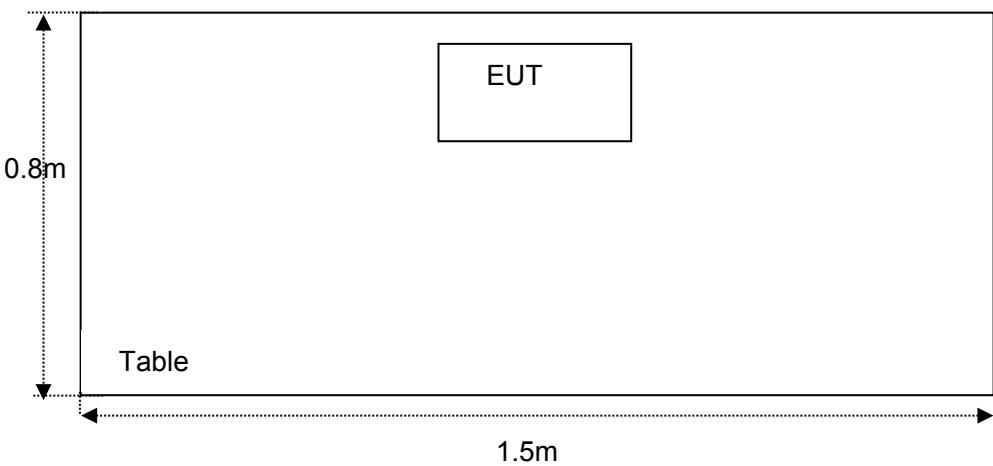
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
2. For 802.11b, 802.11g, and 802.11n(HT20) modes were test with channel 1, 6, 11.
For 802.11n(HT40) modes were test with channel 3, 6, 9.

1.5. Description of Test Setup

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1.6. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Sep. 09, 2024	1 Year
2.	Three Phase V-type Artificial Power Network	CYBERTEK	EM5040DT	E215040DT00 1	Jan. 13, 2025	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Jan. 13, 2025	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR26	101481	Jan. 14, 2025	1 Year
5.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Sep. 09, 2024	1 Year
6.	EMI Preamplifier	SKET Electronic	LNPA-0118G- 45	SKET-PA-002	Jan. 13, 2025	1 Year
7.	Double Ridged Horn Antenna	SCHWARZBECK	BBHA 9120D	02555	Oct. 16, 2022	3 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	345	Oct. 23, 2022	3 Year
9.	Loop Antenna(9K-30M)	Schwarzbeck	FMZB1519B	00053	Sep. 12, 2024	1 Year
10.	Horn Antenna	A-INFO	LB-180400-KF	J211060628	Jan. 22, 2024	3 Year
11.	Pre-amplifier	SONOMA	310N	186860	Jan. 14, 2025	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
13.	MXA Spectrum Analysis	KEYSIGHT	N9020A	MY53280032	Sep. 09, 2024	1 Year
14.	MXG RF Vector Signal Generator	Agilent	N5182A	MY47420647	Jan. 14, 2025	1 Year
15.	Signal Generator	Agilent	E4421B	MY41000743	Feb. 21, 2025	1 Year
16.	DC Power Supply	IVYTECH	IV3605	1804D360510	Sep. 09, 2024	1 Year
17.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Oct. 14, 2024	1 Year
18.	Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102150	May. 06, 2024	1 Year



1.7. Measurement Uncertainty

Parameter	Uncertainty
Conducted emissions (AMN 150kHz~30MHz)	3.2dB
Occupied Bandwidth	925Hz
Conducted Output Power	0.76dB
Power Spectral Density	0.76dB
Time	2%
Conducted Spurious Emission	1.24dB
Radiated spurious emissions (Below 30MHz)	3.26dB
Radiated spurious emissions (30MHz~1GHz)	Horizontal: 3.70dB; Vertical: 4.42dB
Radiated spurious emissions (above 1GHz)	1G-6GHz: 4.64dB 6G-18GHz: 4.82dB 18G-40GHz: 5.62dB
The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

1.8. Additional Instructions

Power level setup in software

EspRFTTest TOOL

Operation Band:

Mode	Channel(MHz)	Power level	Transmitting type
802.11b	2412	default	data pack TX
802.11b	2437	default	data pack TX
802.11b	2462	default	data pack TX
802.11g	2412	default	data pack TX
802.11g	2437	default	data pack TX
802.11g	2462	default	data pack TX
802.11n(HT20)	2412	default	data pack TX
802.11n(HT20)	2437	default	data pack TX
802.11n(HT20)	2462	default	data pack TX
802.11n(HT40)	2422	default	data pack TX
802.11n(HT40)	2437	default	data pack TX
802.11n(HT40)	2452	default	data pack TX

1.9. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 279531

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 279531.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.

1.10. Disclaimer

1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
2. The test report is invalid if there is any evidence and/or falsification.
3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.
7. The data in this report will be synchronized with the corresponding national market supervision and management departments and cross-border e-commerce platforms as required by regulatory agencies.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Summary of Test Results

Standard Section	Test Item	Result
15.203/15.247(c)	Antenna Requirement	PASS
15.207	Conducted Emission	PASS
15.205/15.209/15.247(d)	Radiated Spurious Emission and Band Edge	PASS
15.247(b)(3)	Maximum Conduct Output Power	PASS
15.247(a)(2)	6dB Bandwidth	PASS
N/A	99% Occupied Bandwidth	Report only
15.247(e)	Maximum Power Spectral Density	PASS
15.247(d)	Conducted Spurious Emission and Band Edge	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		

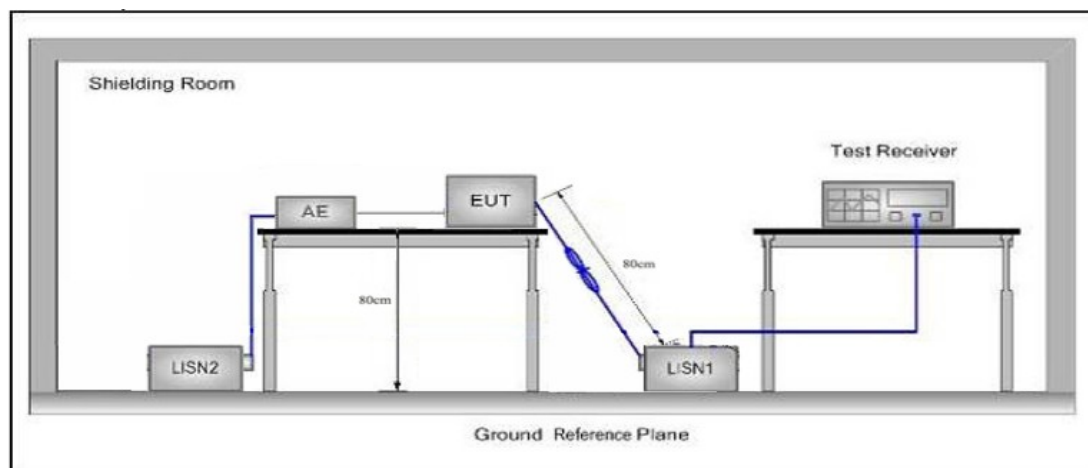
3. Conducted Emission Test

3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207		
Test Limit	Frequency	Maximum RF Line Voltage (dBuV)	
		Quasi-peak Level	Average Level
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56	46
	5MHz~30MHz	60	50

Remark: (1) *Decreasing linearly with logarithm of the frequency.
(2) The lower limit shall apply at the transition frequency.

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10: 2020 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

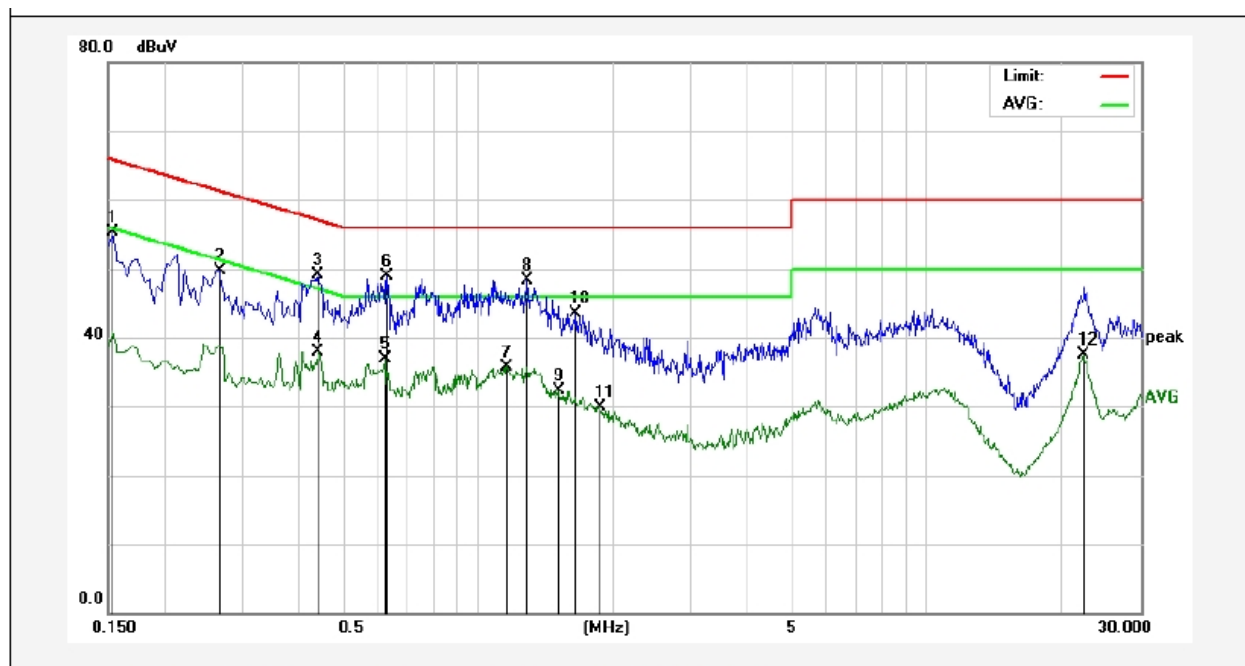
3.4. Test Data

During the test, pre-scan all modes, only the worst case is recorded in the report.

Please to see the following pages.

Conducted Emission Test Data

Test Mode A1763
Test Site: 1# Shielded Room
Operating Condition: 802.11b 2412MHz
Test Specification: AC 120V, 60Hz
Comment: Live Line
Temp.(°C)/Hum.(%RH): 22.1°C/50%RH

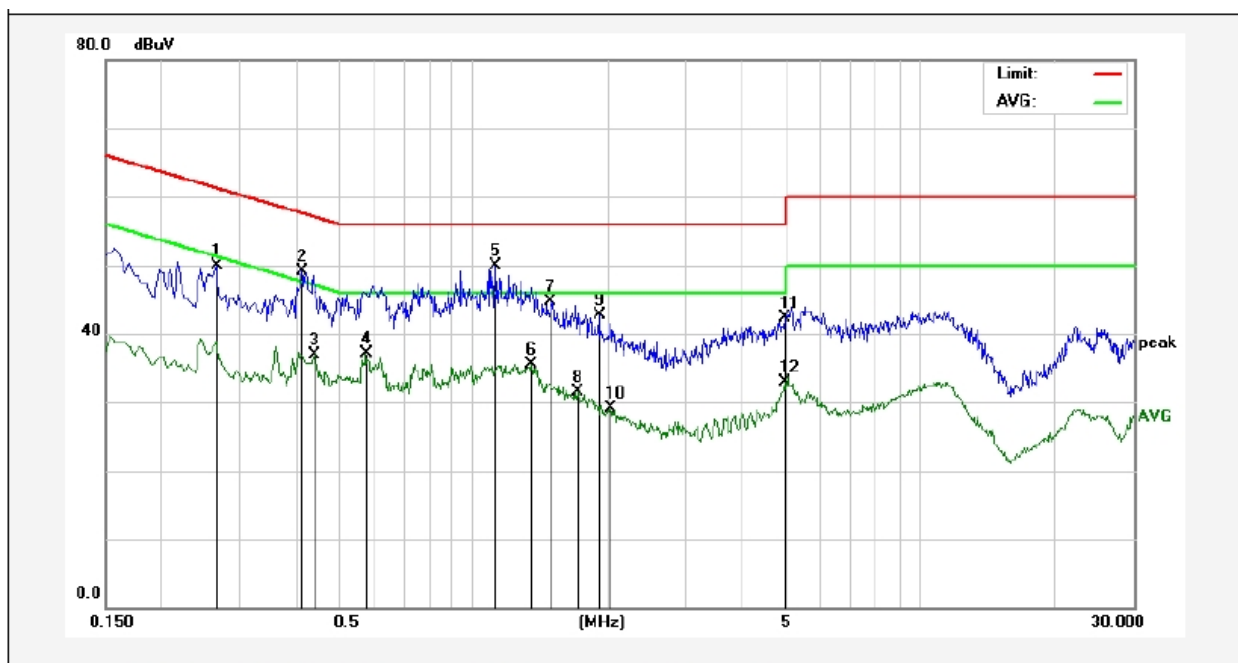


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1539	37.38	17.83	55.21	65.78	-10.57	QP	
2	0.2660	31.85	17.84	49.69	61.24	-11.55	QP	
3	0.4420	31.28	17.83	49.11	57.02	-7.91	QP	
4	0.4420	20.14	17.83	37.97	47.02	-9.05	AVG	
5	0.6220	19.09	17.87	36.96	46.00	-9.04	AVG	
6	0.6300	30.97	17.87	48.84	56.00	-7.16	QP	
7	1.1620	17.94	17.86	35.80	46.00	-10.20	AVG	
8	1.2940	30.44	17.86	48.30	56.00	-7.70	QP	
9	1.5140	14.51	17.85	32.36	46.00	-13.64	AVG	
10	1.6580	25.74	17.85	43.59	56.00	-12.41	QP	
11	1.8740	12.12	17.85	29.97	46.00	-16.03	AVG	
12	22.3980	19.07	18.39	37.46	50.00	-12.54	AVG	

Remark: Result=Reading+Factor Over Limit=Result-Limit

Conducted Emission Test Data

Test Mode **A1763**
Test Site: 1# Shielded Room
Operating Condition: 802.11b 2412MHz
Test Specification: AC 120V, 60Hz
Comment: Neutral Line
Temp.(°C)/Hum.(%RH): 22.1°C/50%RH

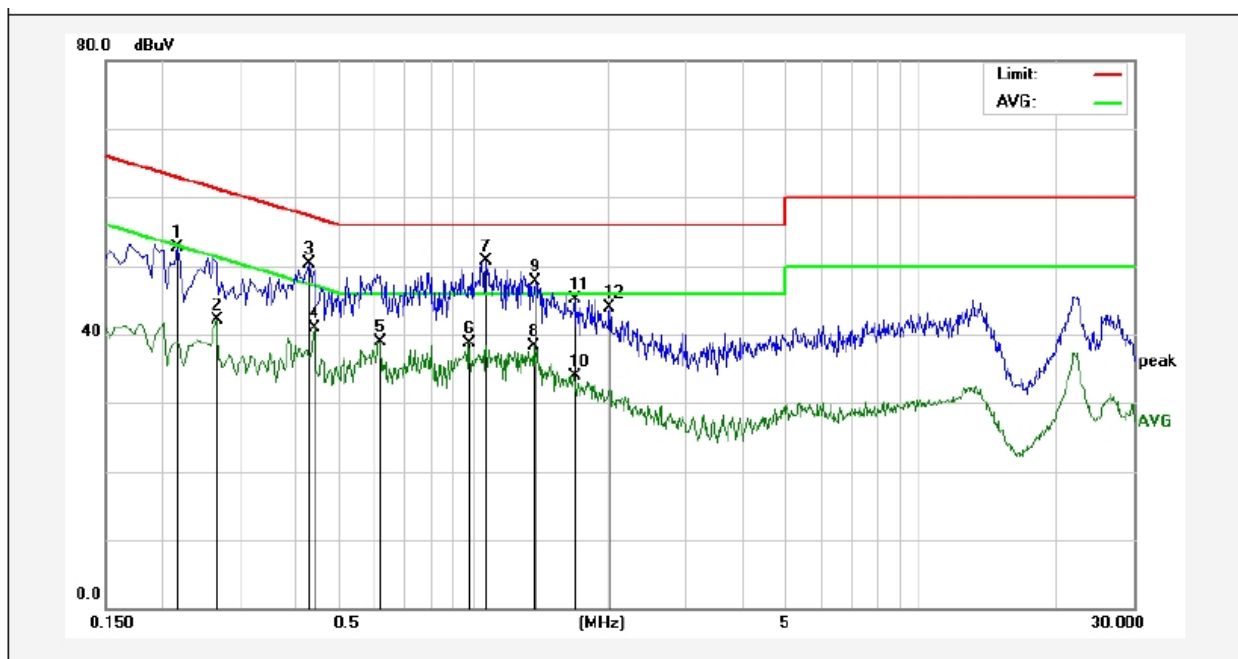


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.2660	32.12	17.84	49.96	61.24	-11.28	QP	
2	0.4140	31.34	17.82	49.16	57.57	-8.41	QP	
3	0.4420	19.17	17.83	37.00	47.02	-10.02	AVG	
4	0.5740	19.22	17.86	37.08	46.00	-8.92	AVG	
5	1.1180	32.02	17.86	49.88	56.00	-6.12	QP	
6	1.3500	17.63	17.86	35.49	46.00	-10.51	AVG	
7	1.4940	26.78	17.86	44.64	56.00	-11.36	QP	
8	1.7140	13.72	17.85	31.57	46.00	-14.43	AVG	
9	1.9180	24.91	17.85	42.76	56.00	-13.24	QP	
10	2.0260	11.31	17.85	29.16	46.00	-16.84	AVG	
11	4.9620	24.44	17.86	42.30	56.00	-13.70	QP	
12	4.9620	15.09	17.86	32.95	46.00	-13.05	AVG	

Remark: Result=Reading+Factor Over Limit=Result-Limit

Conducted Emission Test Data

Test Mode **A1765**
Test Site: 1# Shielded Room
Operating Condition: 802.11b 2412MHz
Test Specification: AC 120V, 60Hz
Comment: Live Line
Temp.(°C)/Hum.(%RH): 22.1°C/50%RH

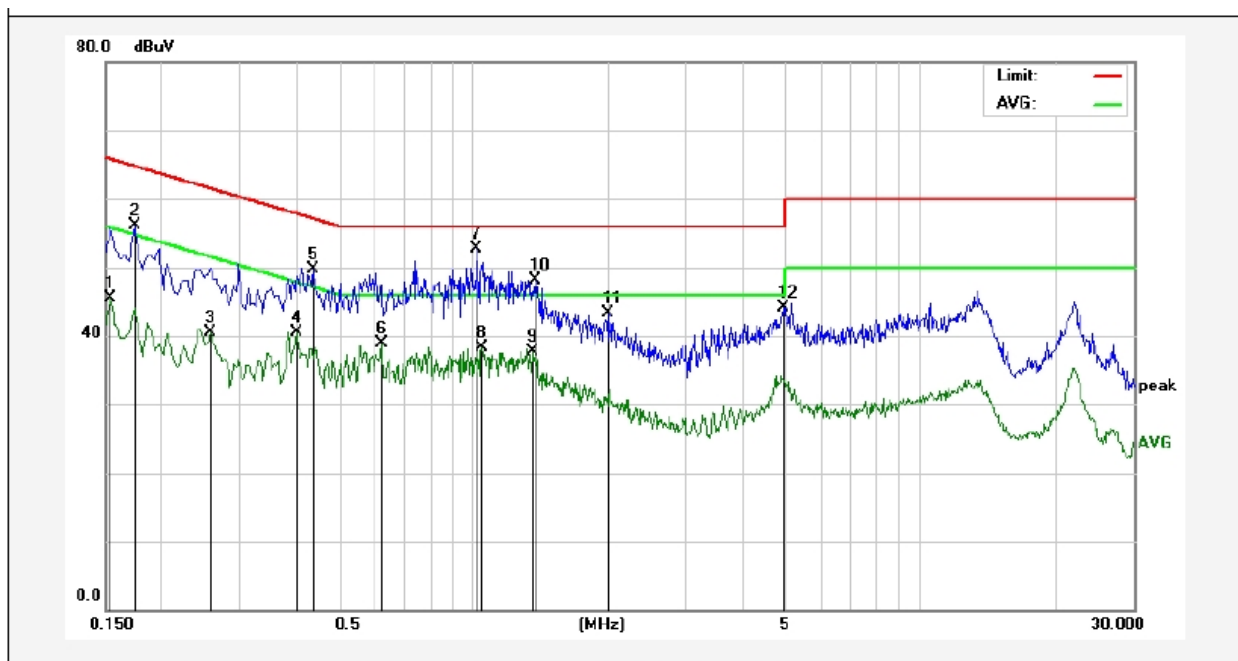


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.2180	34.85	17.82	52.67	62.89	-10.22	peak	
2	0.2660	24.33	17.84	42.17	51.24	-9.07	AVG	
3	0.4300	32.57	17.82	50.39	57.25	-6.86	peak	
4	0.4420	23.09	17.83	40.92	47.02	-6.10	AVG	
5	0.6140	20.94	17.87	38.81	46.00	-7.19	AVG	
6	0.9780	20.87	17.86	38.73	46.00	-7.27	AVG	
7	1.0700	32.78	17.86	50.64	56.00	-5.36	peak	
8	1.3660	20.47	17.86	38.33	46.00	-7.67	AVG	
9	1.3779	29.88	17.86	47.74	56.00	-8.26	peak	
10	1.6780	16.05	17.85	33.90	46.00	-12.10	AVG	
11	1.6820	27.23	17.85	45.08	56.00	-10.92	peak	
12	2.0220	26.07	17.85	43.92	56.00	-12.08	peak	

Remark: Result=Reading+Factor Over Limit=Result-Limit

Conducted Emission Test Data

Test Mode A1765
Test Site: 1# Shielded Room
Operating Condition: 802.11b 2412MHz
Test Specification: AC 120V, 60Hz
Comment: Neutral Line
Temp.(°C)/Hum.(%RH): 22.1°C/50%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Over Limit (dB)	Detector	Remark
1	0.1539	27.77	17.83	45.60	55.78	-10.18	AVG	
2	0.1740	38.23	17.82	56.05	64.76	-8.71	peak	
3	0.2580	22.61	17.84	40.45	51.49	-11.04	AVG	
4	0.4020	22.63	17.81	40.44	47.81	-7.37	AVG	
5	0.4380	31.90	17.83	49.73	57.10	-7.37	peak	
6	0.6220	20.99	17.87	38.86	46.00	-7.14	AVG	
7	1.0180	34.79	17.86	52.65	56.00	-3.35	peak	
8	1.0460	20.44	17.86	38.30	46.00	-7.70	AVG	
9	1.3580	19.84	17.86	37.70	46.00	-8.30	AVG	
10	1.3740	30.30	17.86	48.16	56.00	-7.84	peak	
11	2.0100	25.42	17.85	43.27	56.00	-12.73	peak	
12	4.9420	26.30	17.86	44.16	56.00	-11.84	peak	

Remark: Result=Reading+Factor Over Limit=Result-Limit

4. Radiation Spurious Emission and Band Edge Test

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205, 15.247(d)				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz~1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz~30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup

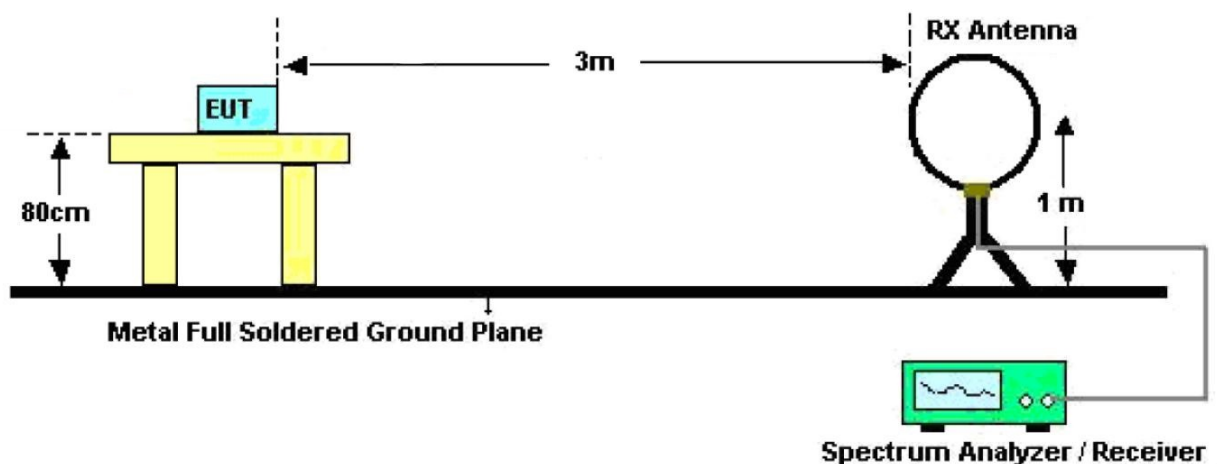


Figure 1. Below 30MHz

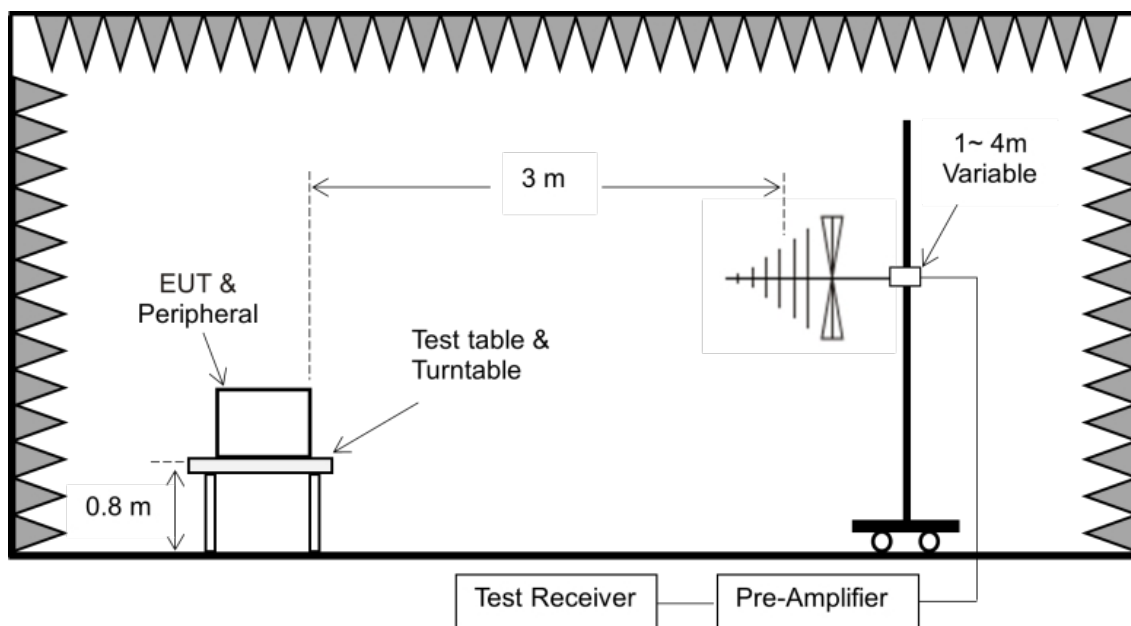


Figure 2. 30MHz to 1GHz

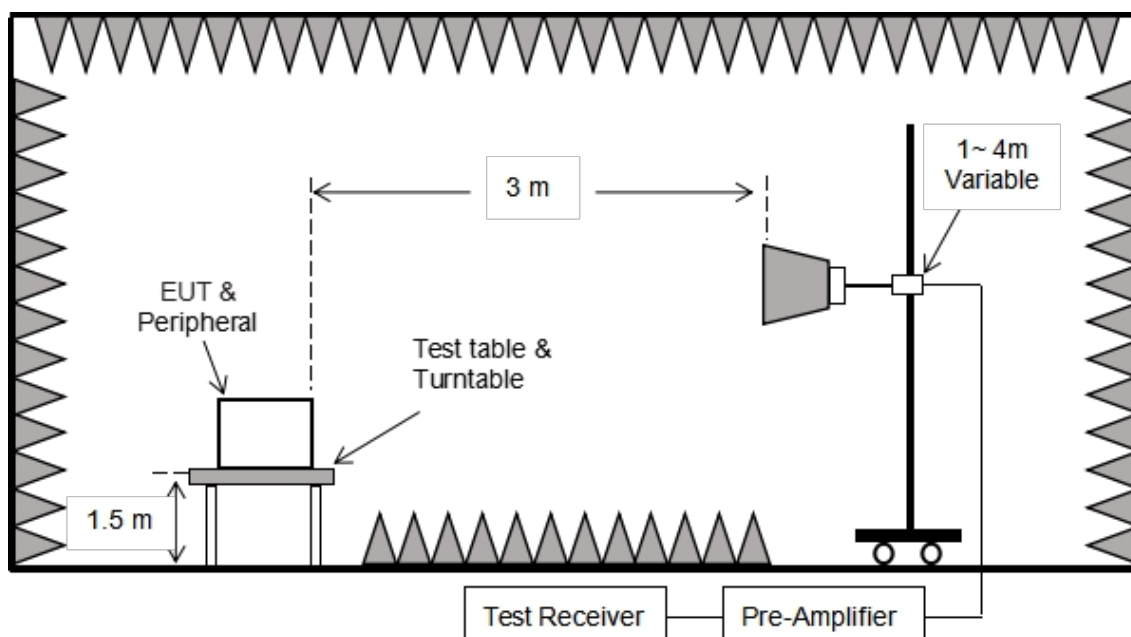


Figure 3. Above 1 GHz

4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9'x6'x6' Chamber. The device is evaluated in xyz orientation.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz,Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

For average measurement:

–VBW=10Hz, When duty cycle is no less than 98 percent

–VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clause 5.4 duty cycle.

4.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all modes, only the worst case is recorded in the report.

Test Results (30~1000MHz)

Test Mode

A1763

Test Mode:

802.11b 2412MHz

Power Source:

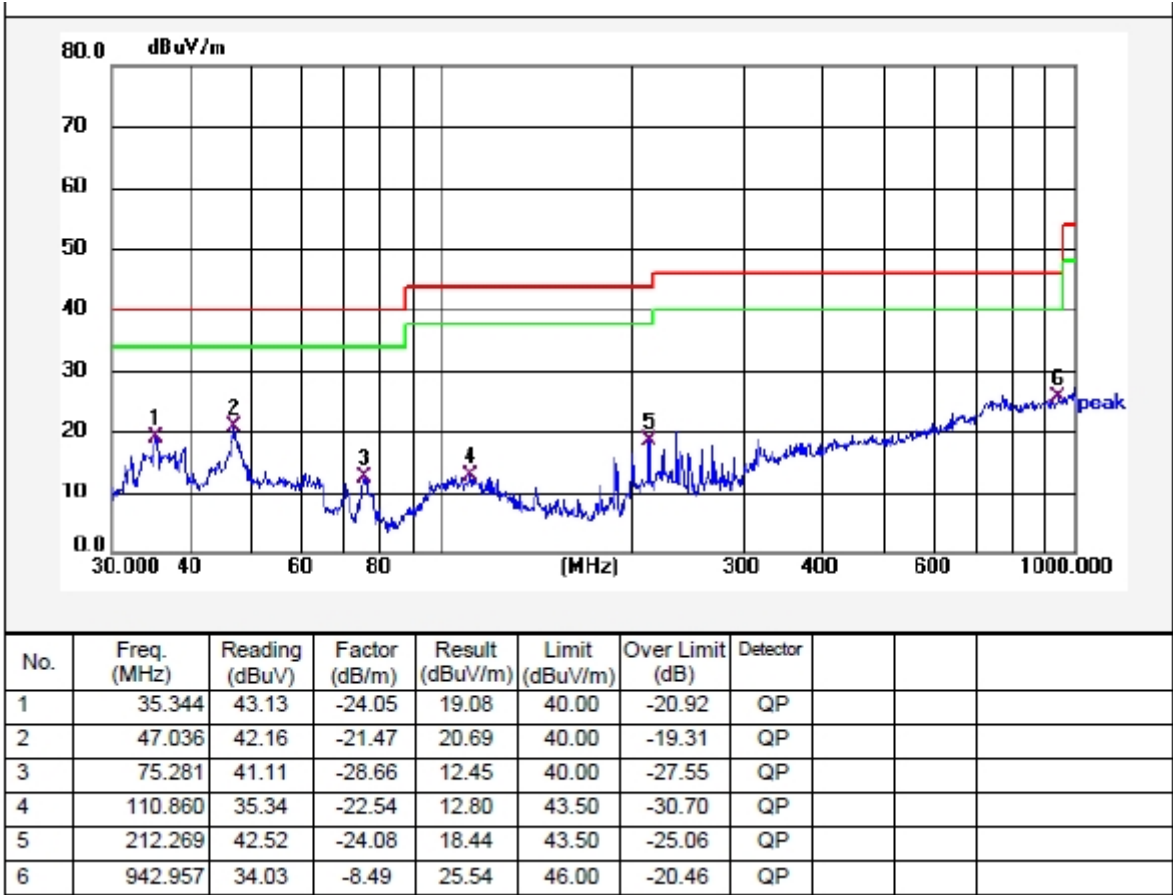
DC 51.2V battery inside

Polarization:

Horizontal

Temp.(°C)/Hum.(%RH):

24.4°C/48%RH



Remark: Result=Reading+Factor Over Limit=Result-Limit

Test Results (30~1000MHz)

Test Mode

A1763

Test Mode:

802.11b 2412MHz

Power Source:

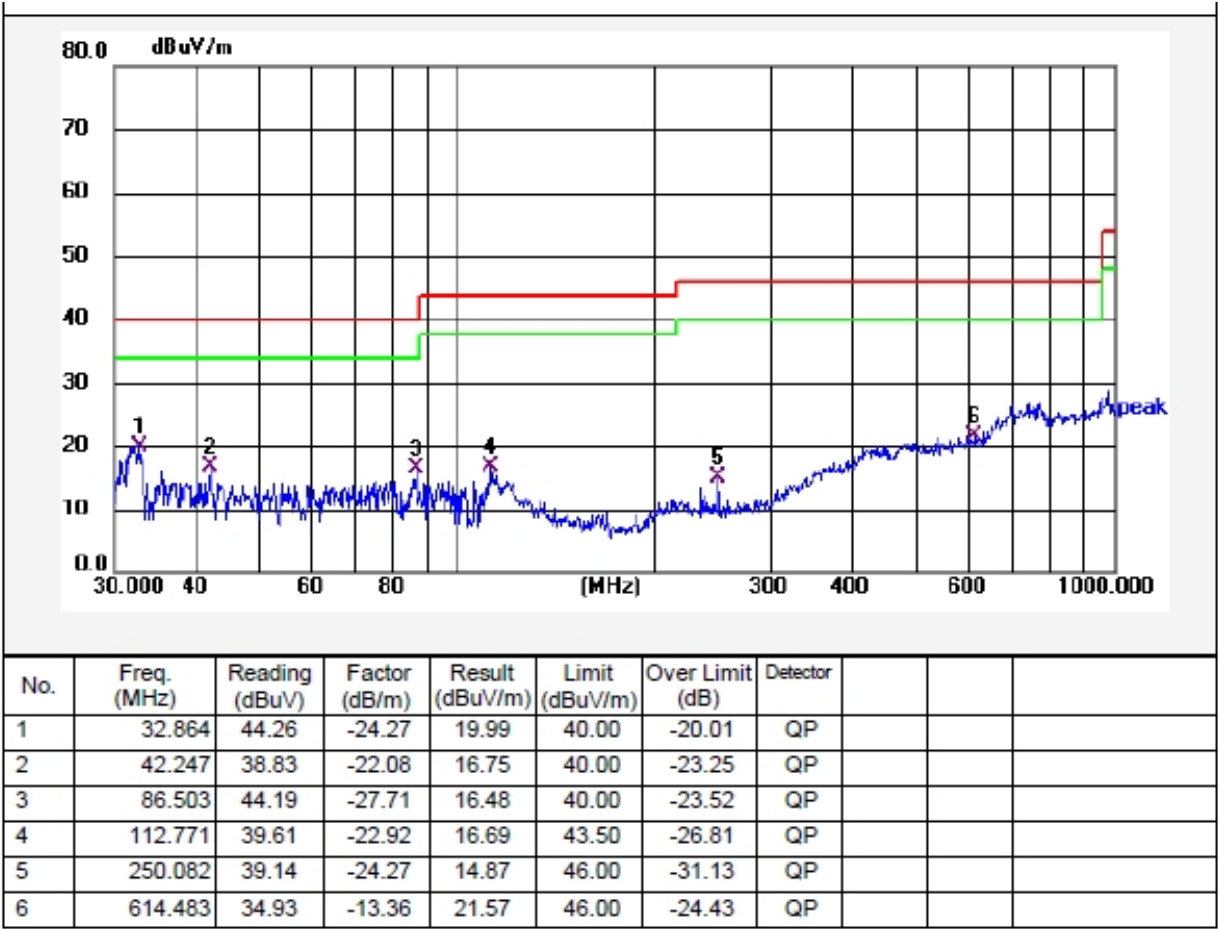
DC 51.2V battery inside

Polarization:

Vertical

Temp.(°C)/Hum.(%RH):

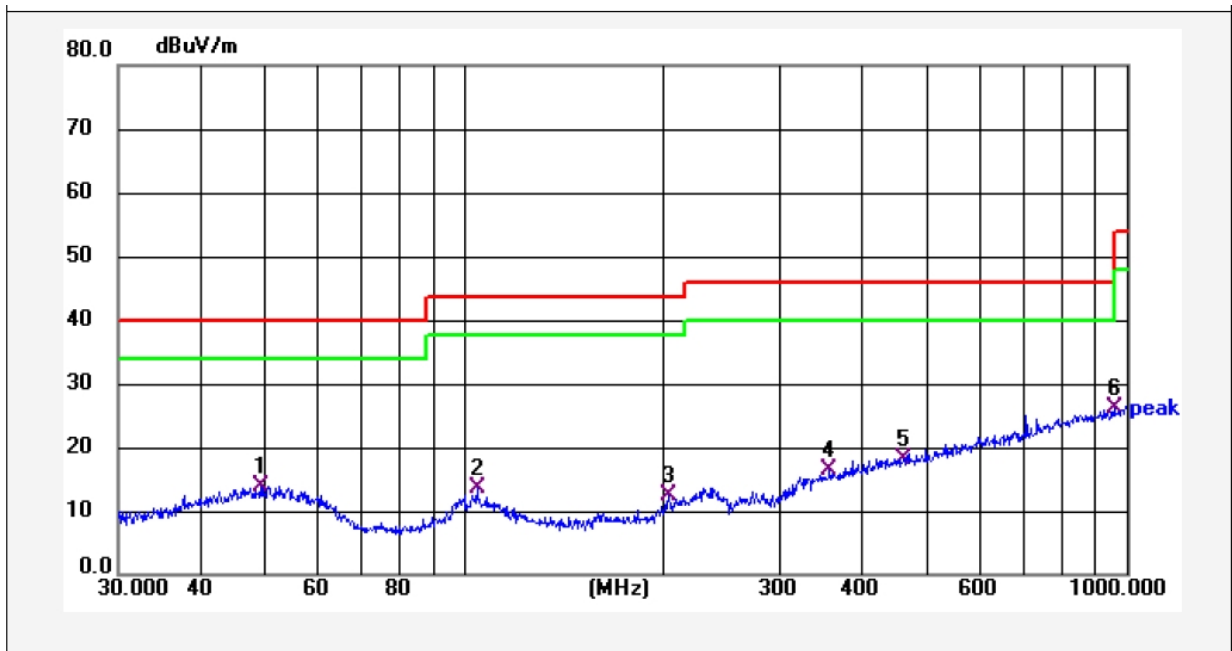
24.4°C/48%RH



Remark: Result=Reading+Factor Over Limit=Result-Limit

Test Results (30~1000MHz)

Test Mode **A1765**
Test Mode: 802.11b 2412MHz
Power Source: DC 51.2V battery inside
Polarization: Horizontal
Temp.(°C)/Hum.(%RH): 24.4°C/48%RH



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Remark
1	49.208	35.39	-21.42	13.97	40.00	-26.03	QP	
2	104.628	35.79	-22.16	13.63	43.50	-29.87	QP	
3	203.612	36.37	-24.00	12.37	43.50	-31.13	QP	
4	355.895	35.20	-18.86	16.34	46.00	-29.66	QP	
5	460.929	34.40	-16.12	18.28	46.00	-27.72	QP	
6	958.794	34.54	-8.30	26.24	46.00	-19.76	QP	

Remark: Result=Reading+Factor Over Limit=Result-Limit

Test Results (Above 1000MHz)

Test Mode: 802.11b Mode			Test channel: Lowest			
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.29	15.31	43.60	74.00	-30.40	Vertical
7236.00	29.83	18.06	47.89	74.00	-26.11	Vertical
9648.00	29.74	23.77	53.51	74.00	-20.49	Vertical
12060.00	*			74.00		Vertical
14472.00	*			74.00		Vertical
4824.00	27.73	15.31	43.04	74.00	-30.96	Horizontal
7236.00	30.04	18.06	48.10	74.00	-25.90	Horizontal
9648.00	28.12	23.77	51.89	74.00	-22.11	Horizontal
12060.00	*			74.00		Horizontal
14472.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	20.31	15.31	35.62	54.00	-18.38	Vertical
7236.00	21.61	18.06	39.67	54.00	-14.33	Vertical
9648.00	21.64	23.77	45.41	54.00	-8.59	Vertical
12060.00	*			54.00		Vertical
14472.00	*			54.00		Vertical
4824.00	20.24	15.31	35.55	54.00	-18.45	Horizontal
7236.00	22.61	18.06	40.67	54.00	-13.33	Horizontal
9648.00	19.86	23.77	43.63	54.00	-10.37	Horizontal
12060.00	*			54.00		Horizontal
14472.00	*			54.00		Horizontal

Test Results (Above 1000MHz)

Test Mode: 802.11b Mode				Test channel: Middle		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	28.24	15.41	43.65	74.00	-30.35	Vertical
7311.00	28.18	18.01	46.19	74.00	-27.81	Vertical
9748.00	29.68	23.79	53.47	74.00	-20.53	Vertical
12185.00	*			74.00		Vertical
14622.00	*			74.00		Vertical
4874.00	27.53	15.41	42.94	74.00	-31.06	Horizontal
7311.00	28.96	18.01	46.97	74.00	-27.03	Horizontal
9748.00	28.42	23.79	52.21	74.00	-21.79	Horizontal
12185.00	*			74.00		Horizontal
14622.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	19.06	15.41	34.47	54.00	-19.53	Vertical
7311.00	19.08	18.01	37.09	54.00	-16.91	Vertical
9748.00	19.93	23.79	43.72	54.00	-10.28	Vertical
12185.00	*			54.00		Vertical
14622.00	*			54.00		Vertical
4874.00	18.63	15.41	34.04	54.00	-19.96	Horizontal
7311.00	19.04	18.01	37.05	54.00	-16.95	Horizontal
9748.00	19.13	23.79	42.92	54.00	-11.08	Horizontal
12185.00	*			54.00		Horizontal
14622.00	*			54.00		Horizontal

Test Results (Above 1000MHz)

Test Mode: 802.11b Mode				Test channel: Highest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	28.10	15.51	43.61	74.00	-30.39	Vertical
7386.00	28.12	17.97	46.09	74.00	-27.91	Vertical
9848.00	29.12	23.82	52.94	74.00	-21.06	Vertical
12310.00	*			74.00		Vertical
14772.00	*			74.00		Vertical
4924.00	28.19	15.51	43.70	74.00	-30.30	Horizontal
7386.00	29.31	17.97	47.28	74.00	-26.72	Horizontal
9848.00	28.92	23.82	52.74	74.00	-21.26	Horizontal
12310.00	*			74.00		Horizontal
14772.00	*			74.00		Horizontal
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	18.89	15.51	34.40	54.00	-19.60	Vertical
7386.00	18.52	17.97	36.49	54.00	-17.51	Vertical
9848.00	20.37	23.82	44.19	54.00	-9.81	Vertical
12310.00	*			54.00		Vertical
14772.00	*			54.00		Vertical
4924.00	18.44	15.51	33.95	54.00	-20.05	Horizontal
7386.00	19.42	17.97	37.39	54.00	-16.61	Horizontal
9848.00	19.36	23.82	43.18	54.00	-10.82	Horizontal
12310.00	*			54.00		Horizontal
14772.00	*			54.00		Horizontal

Remark:

1. During the test, pre-scan the 802.11b,g,n(HT20),n(HT40) mode, and found the 802.11b mode is worse case , the report only record this mode.
2. Result=Reading + Factor
3. Test frequency are from 1GHz to 25GHz, “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Band Edge:

Test Mode: 802.11b Mode				Test channel: Lowest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	38.57	9.58	48.15	74.00	-25.85	Horizontal
2390.00	40.81	9.73	50.54	74.00	-23.46	Horizontal
2310.00	39.92	9.58	49.50	74.00	-24.50	Vertical
2390.00	46.46	9.73	56.19	74.00	-17.81	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	29.21	9.58	38.79	54.00	-15.21	Horizontal
2390.00	36.44	9.73	46.17	54.00	-7.83	Horizontal
2310.00	30.37	9.58	39.95	54.00	-14.05	Vertical
2390.00	38.80	9.73	48.53	54.00	-5.47	Vertical

Test Mode: 802.11b Mode				Test channel: Highest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	46.50	9.91	56.41	74.00	-17.59	Horizontal
2500.00	40.68	9.94	50.62	74.00	-23.38	Horizontal
2483.50	46.86	9.91	56.77	74.00	-17.23	Vertical
2500.00	40.36	9.94	50.30	74.00	-23.70	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.81	9.91	47.72	54.00	-6.28	Horizontal
2500.00	29.72	9.94	39.66	54.00	-14.34	Horizontal
2483.50	39.49	9.91	49.40	54.00	-4.60	Vertical
2500.00	30.04	9.94	39.98	54.00	-14.02	Vertical

Remark: 1. Result=Reading + Factor

Radiated Band Edge:

Test Mode: 802.11g Mode				Test channel: Lowest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	37.25	9.58	46.83	74.00	-27.17	Horizontal
2390.00	41.06	9.73	50.79	74.00	-23.21	Horizontal
2310.00	39.58	9.58	49.16	74.00	-24.84	Vertical
2390.00	43.39	9.73	53.12	74.00	-20.88	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	29.83	9.58	39.41	54.00	-14.59	Horizontal
2390.00	36.36	9.73	46.09	54.00	-7.91	Horizontal
2310.00	30.61	9.58	40.19	54.00	-13.81	Vertical
2390.00	36.21	9.73	45.94	54.00	-8.06	Vertical

Test Mode: 802.11g Mode				Test channel: Highest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	46.52	9.91	56.43	74.00	-17.57	Horizontal
2500.00	40.70	9.94	50.64	74.00	-23.36	Horizontal
2483.50	46.66	9.91	56.57	74.00	-17.43	Vertical
2500.00	40.29	9.94	50.23	74.00	-23.77	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	35.98	9.91	45.89	54.00	-8.11	Horizontal
2500.00	28.82	9.94	38.76	54.00	-15.24	Horizontal
2483.50	38.44	9.91	48.35	54.00	-5.65	Vertical
2500.00	29.57	9.94	39.51	54.00	-14.49	Vertical

Remark: 1. Result=Reading + Factor

Radiated Band Edge:

Test Mode: 802.11n (HT20) Mode				Test channel: Lowest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	35.25	9.58	44.83	74.00	-29.17	Horizontal
2390.00	39.06	9.73	48.79	74.00	-25.21	Horizontal
2310.00	38.58	9.58	48.16	74.00	-25.84	Vertical
2390.00	41.39	9.73	51.12	74.00	-22.88	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	28.51	9.58	38.09	54.00	-15.91	Horizontal
2390.00	33.91	9.73	43.64	54.00	-10.36	Horizontal
2310.00	28.22	9.58	37.80	54.00	-16.20	Vertical
2390.00	34.21	9.73	43.94	54.00	-10.06	Vertical

Test Mode: 802.11n (HT20) Mode				Test channel: Highest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	44.27	9.91	54.18	74.00	-19.82	Horizontal
2500.00	38.68	9.94	48.62	74.00	-25.38	Horizontal
2483.50	45.86	9.91	55.77	74.00	-18.23	Vertical
2500.00	40.36	9.94	50.30	74.00	-23.70	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	33.96	9.91	43.87	54.00	-10.13	Horizontal
2500.00	28.97	9.94	38.91	54.00	-15.09	Horizontal
2483.50	35.26	9.91	45.17	54.00	-8.83	Vertical
2500.00	29.71	9.94	39.65	54.00	-14.35	Vertical

Remark: 1. Result=Reading + Factor

Radiated Band Edge:

Test Mode: 802.11n (HT40) Mode				Test channel: Lowest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	37.72	9.58	47.30	74.00	-26.70	Horizontal
2390.00	42.06	9.73	51.79	74.00	-22.21	Horizontal
2310.00	40.58	9.58	50.16	74.00	-23.84	Vertical
2390.00	43.60	9.73	53.33	74.00	-20.67	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	29.43	9.58	39.01	54.00	-14.99	Horizontal
2390.00	34.75	9.73	44.48	54.00	-9.52	Horizontal
2310.00	29.42	9.58	39.00	54.00	-15.00	Vertical
2390.00	33.61	9.73	43.34	54.00	-10.66	Vertical

Test Mode: 802.11n (HT40) Mode				Test channel: Highest		
Peak value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	44.18	9.91	54.09	74.00	-19.91	Horizontal
2500.00	39.36	9.94	49.30	74.00	-24.70	Horizontal
2483.50	45.99	9.91	55.90	74.00	-18.10	Vertical
2500.00	40.86	9.94	50.80	74.00	-23.20	Vertical
Average value:						
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	33.66	9.91	43.57	54.00	-10.43	Horizontal
2500.00	30.97	9.94	40.91	54.00	-13.09	Horizontal
2483.50	35.26	9.91	45.17	54.00	-8.83	Vertical
2500.00	30.71	9.94	40.65	54.00	-13.35	Vertical

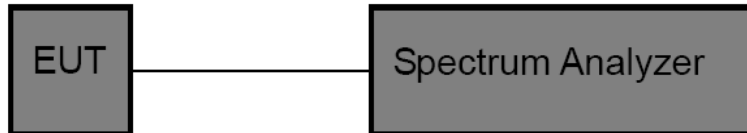
Remark: 1. Result=Reading + Factor

5. Maximum Conducted Output Power Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (b)(3)
Test Limit	1W (30dBm)

5.2. Test Setup



5.3. Test Procedure

1. Measure the duty cycle D of the transmitter output signal.
2. Set span to at least 1.5 times the OBW.
3. Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
4. Set VBW $\geq [3 \times \text{RBW}]$.
5. Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
6. Sweep time = auto.
7. Detector = RMS
8. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
9. Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
10. Add $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

5.4. Test Data

Pass

Please refer to Appendix C of the Appendix Test Data.

Test for Duty Cycle.

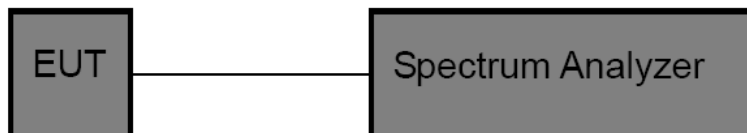
Please refer to Appendix G of the Appendix Test Data.

6. 6dB Bandwidth and 99% Occupied Bandwidth Test

6.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(2)
Test Limit	$\geq 500\text{kHz}$

6.2. Test Setup



6.3. Test Procedure

- Place the EUT on the table and set it in the transmitting mode.
- Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- Set the spectrum analyzer as:

6dB Bandwidth:

 - Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
 - Set the VBW $\geq [3 \times \text{RBW}]$.
 - Detector = peak.
 - Trace mode = max-hold.
 - Sweep = No faster than coupled (auto) time.
 - Allow the trace to stabilize.
 - Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

99% Occupied Bandwidth:

RBW=1~5% OBW, VBW=3*RBW, Sweep Time= Auto, Detector= Peak, Trace= Max hold

6.4. Test Data

Pass

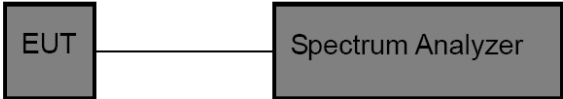
Please refer to Appendix A&B of the Appendix Test Data.

7. Maximum Power Spectral Density Test

7.1. Test Standard and Limit

Test Standard	FCC Part15 C Section15.247 (e)
Test Limit	8dBm/3kHz

7.2. Test Setup



7.3. Test Procedure

1. Place the EUT on the table and set it in transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as $3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$, $\text{VBW} \geq 3 \times \text{RBW}$, $\text{Span} = 1.5 \times \text{DTS BW}$
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

7.4. Test Data

Pass

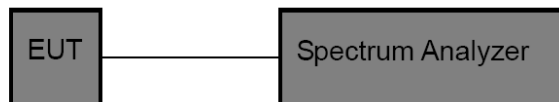
Please refer to Appendix D of the Appendix Test Data.

8. Conducted Spurious Emission and Band Edge Test

8.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d)
Test Limit	In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum 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, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in15.209(a).

8.2. Test Setup



8.3. Test Procedure

Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.
2. Set the VBW = 300kHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.

8.4. Test Data

Pass

Please refer to Appendix E&F of the Appendix Test Data.

9. Antenna Requirement

9.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 2) 15.247(c) (1)(i) requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

9.2. Antenna Connected Construction

The antenna is a **FPC Antenna** which permanently attached, and the best case gain of the antenna is 3.57dBi It complies with the standard requirement.

APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_RF

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----