

TEST REPORT

Applicant : Shenzhen qiuyu Electronic Co., Ltd.
Address : 3F, E Building, Hongzhuyongqi Industrial Park, Lezhujiao village,
xixiang town, Bao'an District ,Shenzhen, China Bao'an
District ,Shenzhen, China
Manufacturer : Shenzhen Qiuyu Electronic Co., Ltd.
Address : 3F, E Building, Hongzhuyongqi Industrial Park, Lezhujiao village,
xixiang town, Bao'an District ,Shenzhen, China
Product Name : KODAK 10-Inch Touchscreen DigitalPhoto Frame /Wi-Fi Enabled
Model Number : RWF-108V,RCF-8019,RCF-1006P,RCF-1008P,RCF-1008W,RCF-10
09P,RCF-1009W,TDF-1003M
Trademark : N/AKODAK / urain/THOMSON
FCC ID : 2AL64-RWF-108V
Receiving Date : Oct 30, 2025
Test Date : Apr 1 2026- Apr 20, 2026
Date of Report : Apr 20, 2026
Test Result : This device described above has been tested by BKC, and the test
results show that the equipment under test (EUT) is in compliance
with the FCC CFR Title 47 Part 15 Subpart C Section 15.247
requirements. And it is applicable only to the tested sample identified
in the report.

Test Procedure Used:

: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Standards : ANSI C63.10-2020 Incladi C63.10 COR 1-2021

Prepared by(Test Engineer):
Casey zheng



Reviewer(Supervisor):
Casey Wang



Approved(Manager):
Jerry Liao



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Revision History of This Test Report

[illegible]

1. General Information

1.1. Description of Device (EUT)

EUT Name	:	KODAK 10-Inch Touchscreen DigitalPhoto Frame /Wi-Fi Enabled
Model No.	:	RWF-108V,RCF-8019,RCF-1006P,RCF-1008P,RCF-1008W,RCF-1009P,RCF-1009W,TDF-1003M
Model Difference	:	The model name, appearance color and memory capacity of this product vary. The main model used for testing is RWF-108V
Power supply	:	Input: AC 100-240V, 50/60Hz, 0.5A DC: 3.7V 4000mAh
Operation frequency	:	2412MHz-2462MHz
Max. RF output power:	:	11.97dBm
Modulation	:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/802.11n(HT20,HT40)802.11ax (HE20,HE40) Orthogonal Frequency Division Multiplexing(OFDM)
Antenna Type	:	FPC antenna, Maximum Gain is 1.23dBi
Intend use environment	:	Residential, commercial and light industrial environment

1.2. Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462	12	2467
13	2472						

1.3. Summary of test result

RF PART		
Test Items	Test Requirement	Result
Antenna requirement	FCC part 15.203/15.247 (c)	PASS
AC Power Line Conducted Emission	FCC part 15.207	PASS
Conducted Peak Output Power	FCC part 15.247 (b)(3)	PASS
Channel Bandwidth& 99% OCB	FCC part 15.247 (a)(2)	PASS
Power Spectral Density	FCC part 15.247 (e)	PASS
Band Edge	FCC part 15.247(d)	PASS
Spurious Emission	FCC part 15.205/15.209	PASS
Remark: N/A is an abbreviation for Not Applicable. Measurement Uncertainty is not taken into account for conformity statement		

1.4.Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Hardware Version	Software Version
Adapter	SNROX	SR-C60502000U2	/	/
Adapter	TEKA	TEKA-AB1B050200US	/	/
Adapter	Sunshine	XSC-0502000S	/	/

1.5.Test mode

The special RF test software was used to control EUT work in Continuous WIFI TX mode, and select test channel, wireless mode.

Test mode	Low channel	Middle channel	High channel
802.11b	2412MHz	2437MHz	2462MHz
802.11g	2412MHz	2437MHz	2462MHz
802.11n20	2412MHz	2437MHz	2462MHz
802.11n40	2422MHz	2437MHz	2452MHz
802.11ax20	2412MHz	2437MHz	2462MHz
802.11ax40	2422MHz	2437MHz	2452MHz

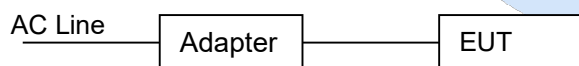
Note: Only the worst Data 1Mbps/6Mbps/6.5Mbps Record in the report

1.6.Block Diagram

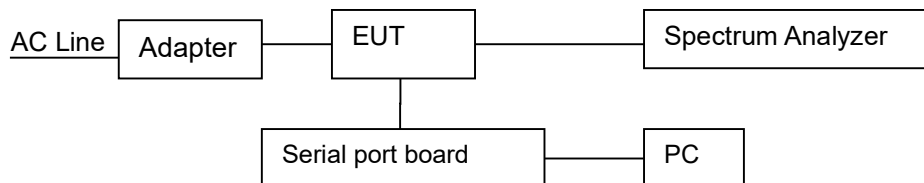
Conducted Emission



Radiated Emission



Conducted Spurious



1.7. Test Conditions

Category	Normal Conditions	Extreme Conditions
Temperature range	15-35°C	N/A
Humidity range	20-75%	N/A
Pressure range	86-106kPa	N/A
Power supply	DC 5V or Battery DC 3.7V	N/A
Note: N/A is an abbreviation for Not Applicable.		

1.8. Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for radio frequency	$\pm 7 \times 10^{-8}$	
Conducted Emissions (150kHz~30MHz)	$\pm 2.54\text{dB}$	
Radiated Emission(9KHz~30MHz)	$\pm 1.6\text{ dB}$	
Radiated Emission(30MHz~1GHz)	Vertical: $\pm 4.14\text{dB}$ Horizontal: $\pm 4.25\text{dB}$	
Radiated Emission(1GHz~6GHz)	$\pm 3.9\text{dB}$	
Radiated Emission(6GHz~18GHz)	$\pm 4.3\text{dB}$	
Radiated Emission(18GHz~40GHz)	$\pm 3.38\text{dB}$	
Uncertainty for conducted RF Power	$\pm 0.20\text{dB}$	
Conducted spurious emissions	$\pm 0.24\text{dB}$	
Uncertainty for temperature	0.6°C	
Uncertainty for humidity	1%	
Bandwidth	$\pm 1.5 \times 10^{-6}$	
Time	$\pm 2\%$	
Duty Cycle	$\pm 2\%$	
Remark: The coverage Factor (k=2), and measurement Uncertainty for a level of Confidence of 95%		

1.9. Test Facility

Site Description		
Name of Firm	:	Shenzhen BKC Testing Co., Ltd.
Site Location	:	Room 103, 1/F, Huaya Building, Huaya Industrial Park, Longhua Community, Longhua District, Shenzhen, Guangdong, China.
ISED CAB identifier	:	CN0188
ISED Company Number	:	34333
FCC Designation Number	:	CN1416
FCC Test Firm Registration Number	:	701543

1.10. Test Equipment

Conducted Test Site

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	LISN	R&S	ENV216	102762	Mar. 10. 2026	Mar. 09. 2027
2	EMI Test Receiver	R&S	ESCI	101424	Mar. 10. 2026	Mar. 09. 2027
3	Rf cables	HTEC	HCE 2M-CE	N/A	Mar. 10. 2026	Mar. 09. 2027
4	Coupling/ Decoupling Network	Diamond	CX210	N/A	Mar. 10. 2026	Mar. 09. 2027
5	CE Testing software	EZ	EZ-EMC	/	/	/

Radiated Test Site(Below 1G and Above 1G)

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Antenna	Schwarzbeck	VULB 9168	01321	Mar. 20. 2026	Mar. 19. 2027
2	EMI Test Receiver	R&S	ESRP	101478	Mar. 10. 2026	Mar. 09. 2027
3	Preamplifier	HP	8447D	2727A05345	Mar. 10. 2026	Mar. 09. 2027
4	Double Ridged Broadband	SCHWARZBECK	BBHA 9120D	02621	Mar. 20. 2026	Mar. 19. 2029
5	Preamplifier	Schwarzbeck	BBV 9718D	00041	Mar. 10. 2026	Mar. 09. 2027
6	Rf cables	HUBER+SUHNER	8M-RE	N/A	Mar. 10. 2026	Mar. 09. 2027
7	Rf cables	HUBER+SUHNER	1.5M-RE	N/A	Mar. 10. 2026	Mar. 09. 2027
8	Rf cables	HUBER+SUHNER	1.5M-AP-RE	N/A	Mar. 10. 2026	Mar. 09. 2027
9	Loop antenna	TESEQ	HLA6121	58357	Mar. 10. 2026	Mar. 09. 2027
10	Spectrum	Agilent	N9020A	MY50510311	Mar. 11. 2026	Mar. 10. 2027
11	Spectrum analyzer	R&S	FSP40	200061	Feb. 13. 2026	Feb. 12. 2027
12	Double Ridged Broadband Horn Antenna	COM-POWER	AH-1840	10100009	Mar. 10. 2026	Mar. 09. 2027
13	RE Testing software	EZ	EZ-EMC	/	/	/

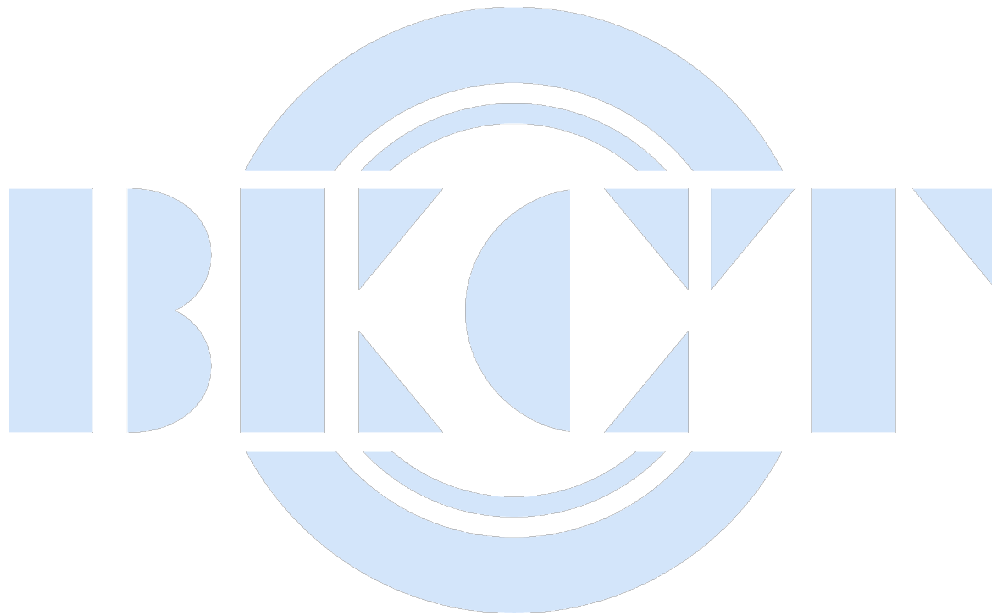
RF Test Site

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum	Agilent	N9020A	MY50510311	Mar. 09. 2026	Mar. 10. 2027
2	Vector source	Agilent	N5182A	MY47420223	Mar. 09. 2026	Mar. 10. 2027
3	All instrument	Rohde & Schwarz	CMW 500	101131	Mar. 09. 2026	Mar. 10. 2027
4	control unit	TSTPASS	TSCB562R2	SN3604554	Mar. 09. 2026	Mar. 10. 2027
6	RF Testing software	TST	TSTPASS	/	Mar. 09. 2026	/
7	Spectrum analyzer	R&S	FSP40	200061	Feb. 13. 2026	Feb. 12. 2027

Note: The power meter is integrated into the control unit

Test software

Software name	TSTPASS RF Auto Test System
Software version	2.0.0.0
Software name	RE Testing software
Software version	EMEC-03A2 RE+
Software name	CE Testing software
Software version	EMEC-3A1+



2. Conducted emission at the mains terminals test

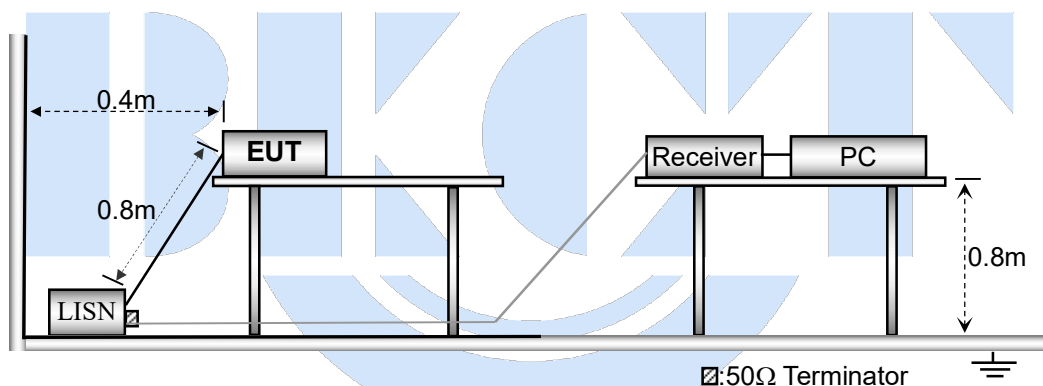
2.1.Limit

Test Requirement:	FCC Part15 C Section 15.207,
Test Method:	ANSI C63.10-2020+Cor.1-2023
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

Frequency MHz	Limits dB(μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

2.2.Test Setup

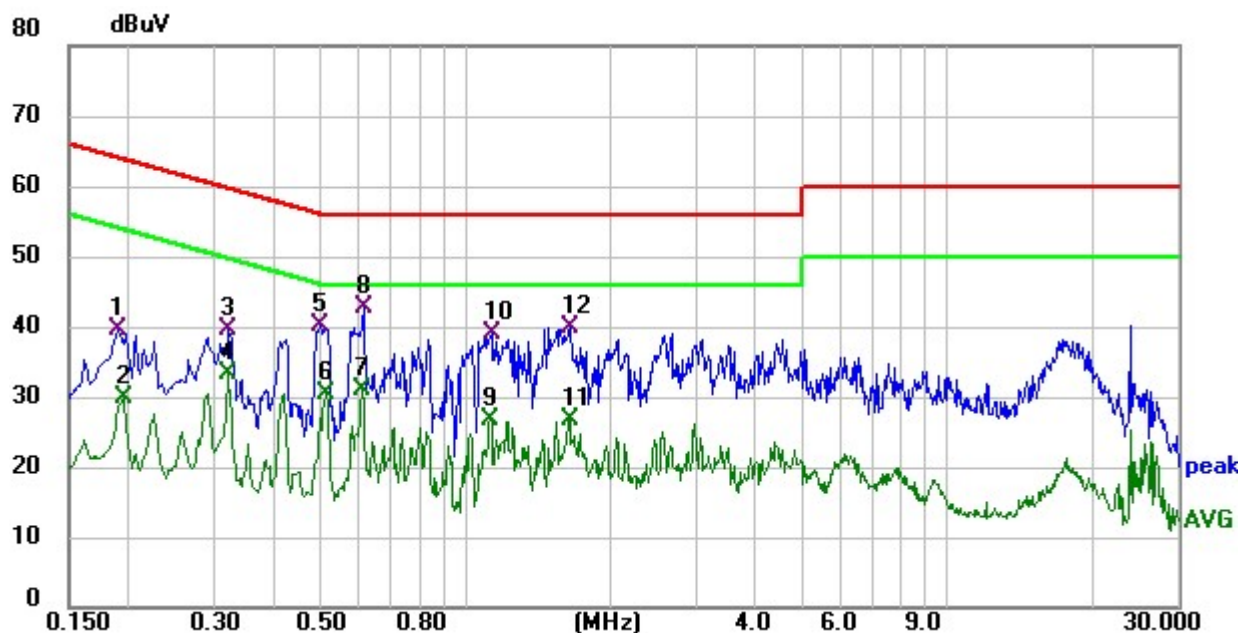


2.3.Test Procedure

1. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
2. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
3. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
4. LISN at least 80 cm from nearest part of EUT chassis.
5. For the actual test configuration, please refer to the related Item - EUT Test Photos.

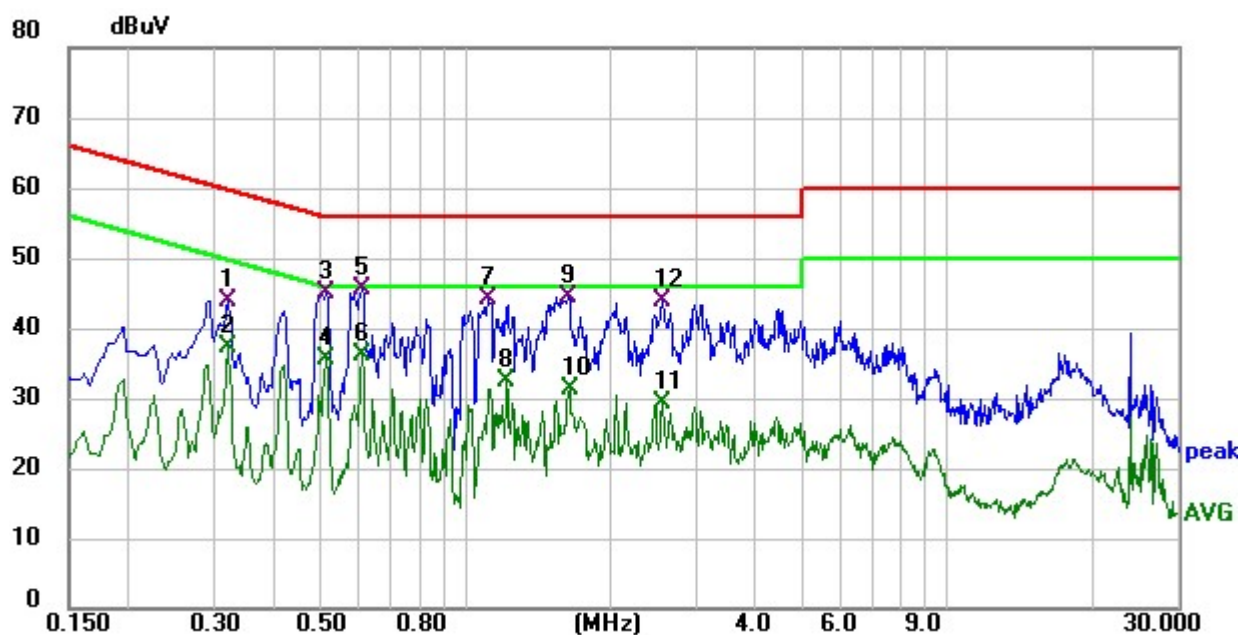
2.4. Test Result

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	SR-C60502000U2



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1900	20.37	19.23	39.60	64.04	-24.44	QP	P	
2	0.1940	10.48	19.24	29.72	53.86	-24.14	AVG	P	
3	0.3220	20.32	19.38	39.70	59.66	-19.96	QP	P	
4	0.3220	13.93	19.38	33.31	49.66	-16.35	AVG	P	
5	0.4980	20.63	19.46	40.09	56.03	-15.94	QP	P	
6	0.5140	11.06	19.46	30.52	46.00	-15.48	AVG	P	
7	0.6100	11.65	19.44	31.09	46.00	-14.91	AVG	P	
8 *	0.6140	23.18	19.44	42.62	56.00	-13.38	QP	P	
9	1.1260	7.32	19.40	26.72	46.00	-19.28	AVG	P	
10	1.1300	19.56	19.40	38.96	56.00	-17.04	QP	P	
11	1.6460	7.32	19.47	26.79	46.00	-19.21	AVG	P	
12	1.6540	20.52	19.47	39.99	56.00	-16.01	QP	P	

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	SR-C60502000U2

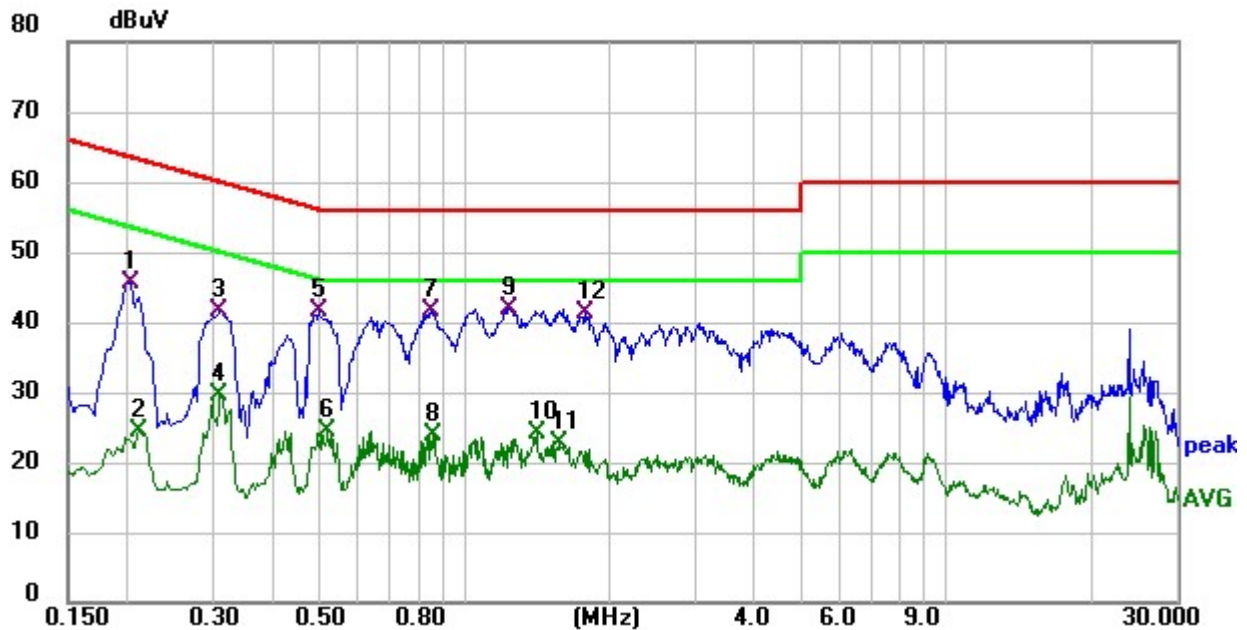


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3220	24.60	19.38	43.98	59.66	-15.68	QP	P	
2	0.3220	17.77	19.38	37.15	49.66	-12.51	AVG	P	
3	0.5140	25.49	19.46	44.95	56.00	-11.05	QP	P	
4	0.5140	16.06	19.46	35.52	46.00	-10.48	AVG	P	
5	0.6100	26.20	19.44	45.64	56.00	-10.36	QP	P	
6 *	0.6100	16.72	19.44	36.16	46.00	-9.84	AVG	P	
7	1.1220	24.71	19.40	44.11	56.00	-11.89	QP	P	
8	1.2180	12.86	19.45	32.31	46.00	-13.69	AVG	P	
9	1.6380	24.97	19.47	44.44	56.00	-11.56	QP	P	
10	1.6460	11.73	19.47	31.20	46.00	-14.80	AVG	P	
11	2.5620	9.88	19.49	29.37	46.00	-16.63	AVG	P	
12	2.5700	24.31	19.49	43.80	56.00	-12.20	QP	P	

Remark: 1. Level(dBuV)=Reading(dBuV)+Factor(dB)
2. Margin(dB)= Level(dBuV)-Limit(dBuV)

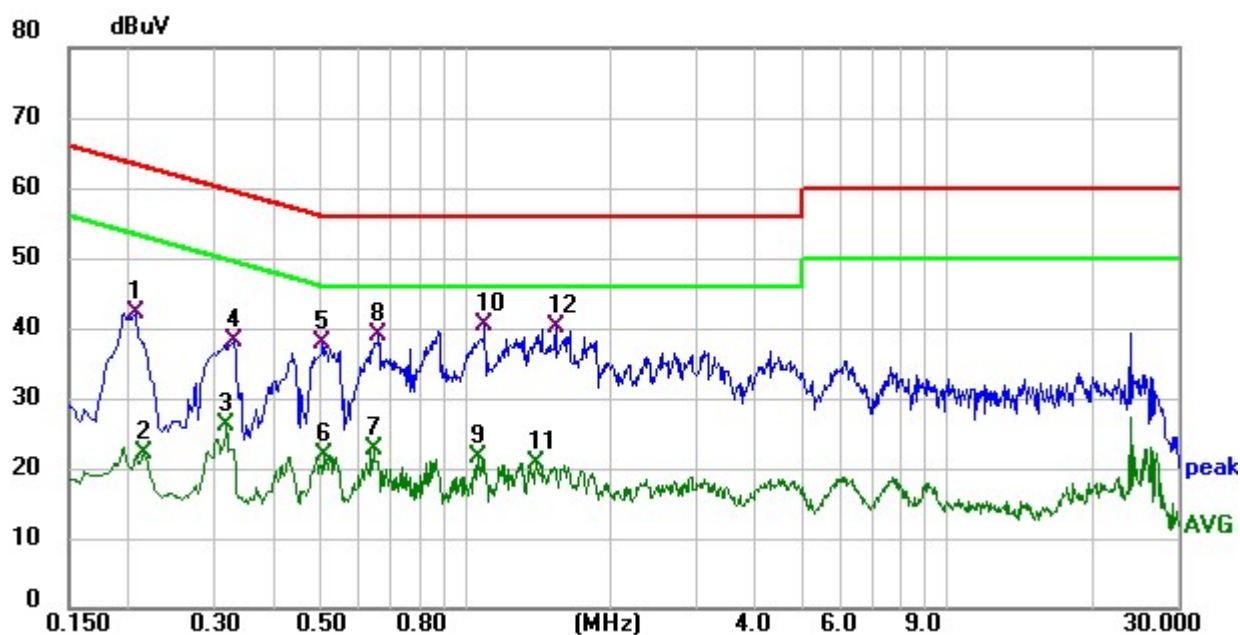
Conducted Emission At The Mains Terminals Test Data

Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	TEKA-AB1B050200US



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2020	26.37	19.26	45.63	63.53	-17.90	QP	P	
2	0.2100	5.18	19.27	24.45	53.21	-28.76	AVG	P	
3	0.3100	22.21	19.39	41.60	59.97	-18.37	QP	P	
4	0.3100	10.14	19.39	29.53	49.97	-20.44	AVG	P	
5	0.4980	22.01	19.46	41.47	56.03	-14.56	QP	P	
6	0.5180	4.95	19.46	24.41	46.00	-21.59	AVG	P	
7	0.8500	22.20	19.41	41.61	56.00	-14.39	QP	P	
8	0.8580	4.55	19.41	23.96	46.00	-22.04	AVG	P	
9 *	1.2420	22.41	19.46	41.87	56.00	-14.13	QP	P	
10	1.4140	4.74	19.46	24.20	46.00	-21.80	AVG	P	
11	1.5820	3.34	19.47	22.81	46.00	-23.19	AVG	P	
12	1.7900	21.78	19.47	41.25	56.00	-14.75	QP	P	

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	TEKA-AB1B050200US



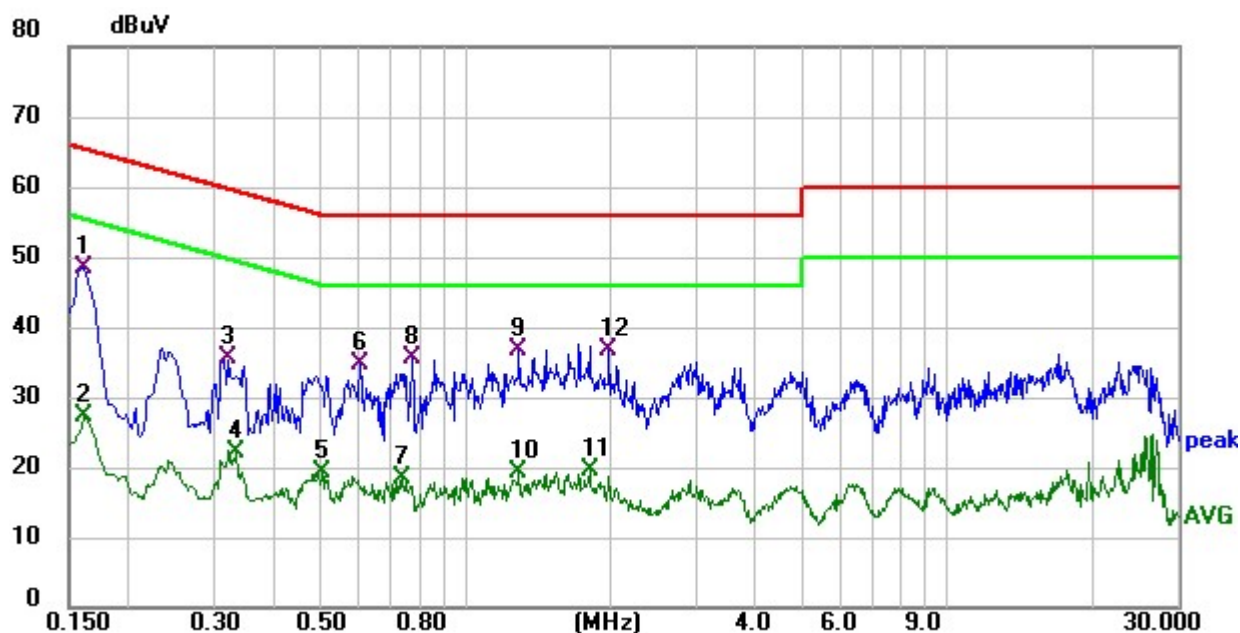
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2060	22.89	19.15	42.04	63.37	-21.33	QP	P	
2	0.2140	3.11	19.15	22.26	53.05	-30.79	AVG	P	
3	0.3180	7.00	19.23	26.23	49.76	-23.53	AVG	P	
4	0.3300	18.87	19.22	38.09	59.45	-21.36	QP	P	
5	0.5060	18.48	19.26	37.74	56.00	-18.26	QP	P	
6	0.5100	2.65	19.26	21.91	46.00	-24.09	AVG	P	
7	0.6460	3.36	19.26	22.62	46.00	-23.38	AVG	P	
8	0.6580	19.73	19.26	38.99	56.00	-17.01	QP	P	
9	1.0700	2.38	19.23	21.61	46.00	-24.39	AVG	P	
10 *	1.0940	21.15	19.24	40.39	56.00	-15.61	QP	P	
11	1.4060	1.42	19.28	20.70	46.00	-25.30	AVG	P	
12	1.5380	20.79	19.28	40.07	56.00	-15.93	QP	P	

Remark: 1. Level(dBuV)=Reading(dBuV)+Factor(dB)

2. Margin(dB)= Level(dBuV)-Limit(dBuV)

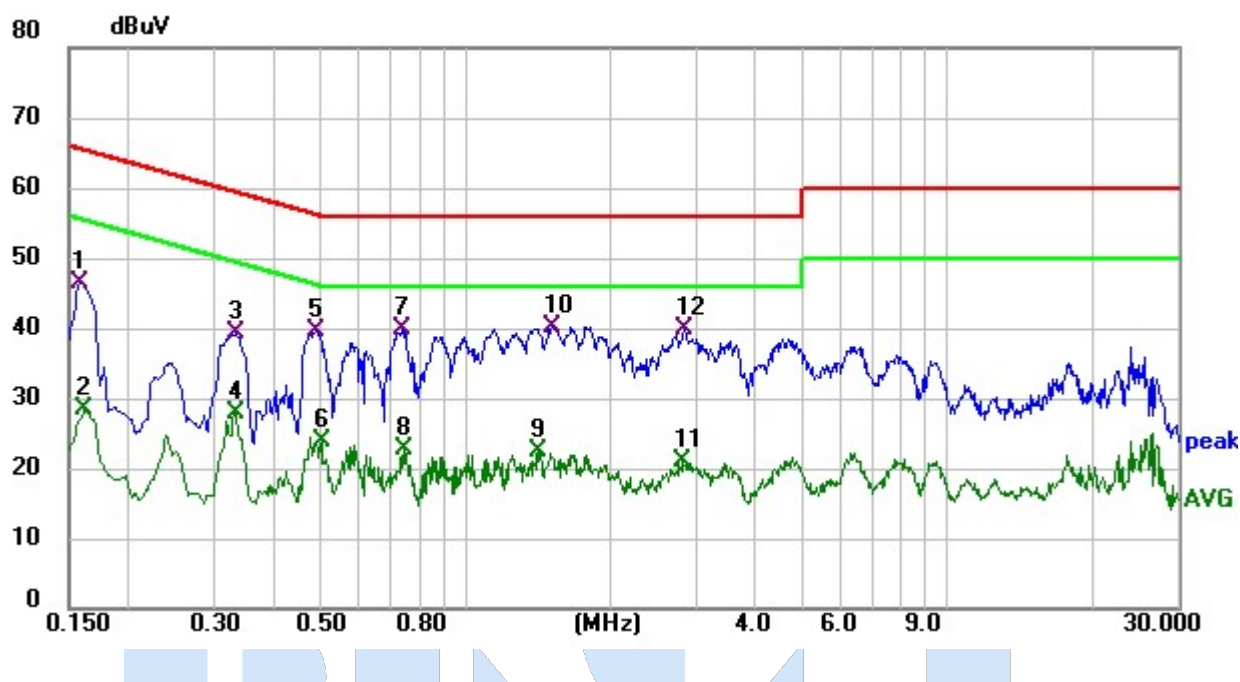
Conducted Emission At The Mains Terminals Test Data

Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	XSC-0502000S



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1620	29.39	19.03	48.42	65.36	-16.94	QP	P	
2	0.1620	8.37	19.03	27.40	55.36	-27.96	AVG	P	
3	0.3220	16.20	19.23	35.43	59.66	-24.23	QP	P	
4	0.3339	2.99	19.22	22.21	49.35	-27.14	AVG	P	
5	0.5060	-0.02	19.26	19.24	46.00	-26.76	AVG	P	
6	0.6060	15.37	19.26	34.63	56.00	-21.37	QP	P	
7	0.7380	-0.78	19.27	18.49	46.00	-27.51	AVG	P	
8	0.7780	16.30	19.27	35.57	56.00	-20.43	QP	P	
9	1.2900	17.52	19.29	36.81	56.00	-19.19	QP	P	
10	1.2900	-0.02	19.29	19.27	46.00	-26.73	AVG	P	
11	1.8100	0.31	19.27	19.58	46.00	-26.42	AVG	P	
12	1.9820	17.41	19.26	36.67	56.00	-19.33	QP	P	

Conducted Emission At The Mains Terminals Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	AC 120V/60Hz	Test Mode:	802.11b
EUT	RWF-108V	Adapter	XSC-0502000S



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1580	27.41	19.14	46.55	65.57	-19.02	QP	P	
2	0.1620	9.31	19.15	28.46	55.36	-26.90	AVG	P	
3	0.3339	19.87	19.37	39.24	59.35	-20.11	QP	P	
4	0.3339	8.39	19.37	27.76	49.35	-21.59	AVG	P	
5	0.4900	20.11	19.45	39.56	56.17	-16.61	QP	P	
6	0.5020	4.52	19.46	23.98	46.00	-22.02	AVG	P	
7	0.7420	20.44	19.43	39.87	56.00	-16.13	QP	P	
8	0.7460	3.36	19.43	22.79	46.00	-23.21	AVG	P	
9	1.4180	2.85	19.46	22.31	46.00	-23.69	AVG	P	
10 *	1.5140	20.71	19.47	40.18	56.00	-15.82	QP	P	
11	2.8260	1.53	19.49	21.02	46.00	-24.98	AVG	P	
12	2.8500	20.23	19.49	39.72	56.00	-16.28	QP	P	

Remark: 1. Level(dBuV)=Reading(dBuV)+Factor(dB)

2. Margin(dB)= Level(dBuV)-Limit(dBuV)

3. Radiated Spurious Emissions

3.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.247,&
Test Method: KDB 558074 D01 15.247 Meas Guidance v05;
ANSI C63.10-2020+Cor.1-2023
Test Result: PASS
Measurement Distance: 3m

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

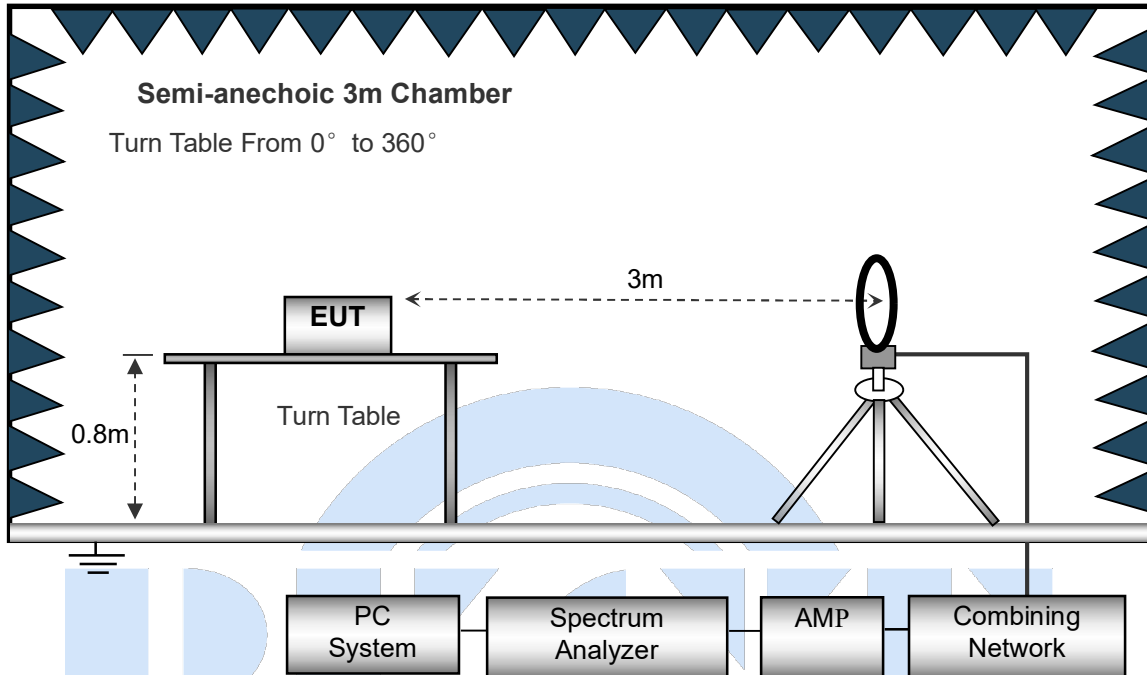
Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log(2400/F(\text{kHz})) + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log(24000/F(\text{kHz})) + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log(30) + 40$
30 ~ 88	100	3	100	$20\log(100)$
88 ~ 216	150	3	150	$20\log(150)$
216 ~ 960	200	3	200	$20\log(200)$
Above 960	500	3	500	$20\log(500)$

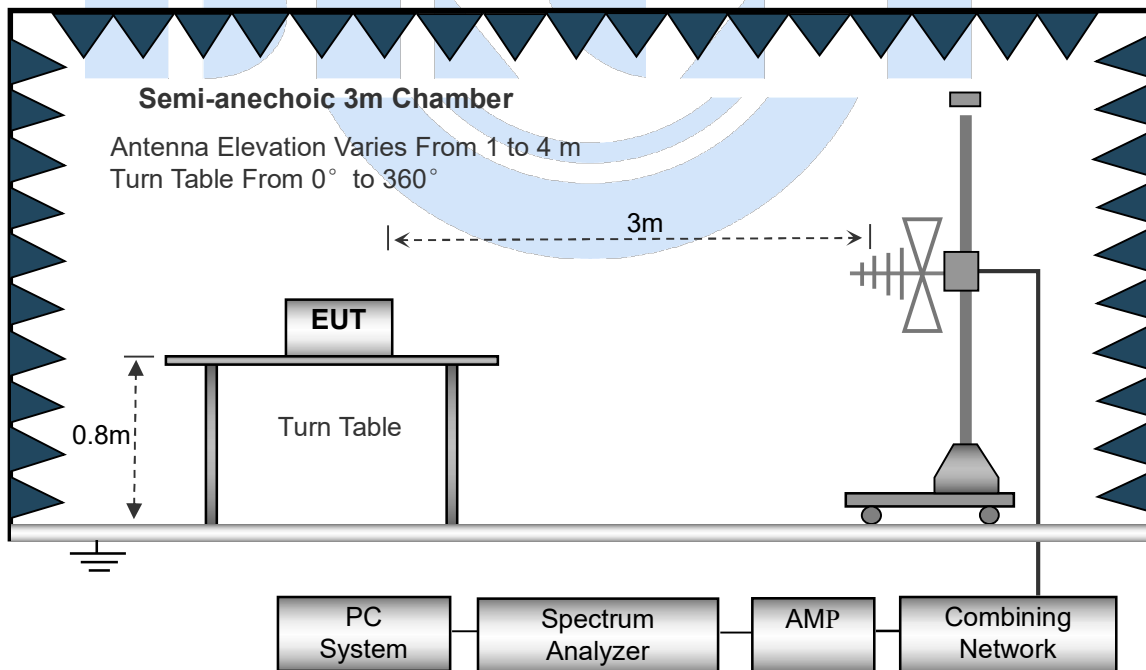
3.2. Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

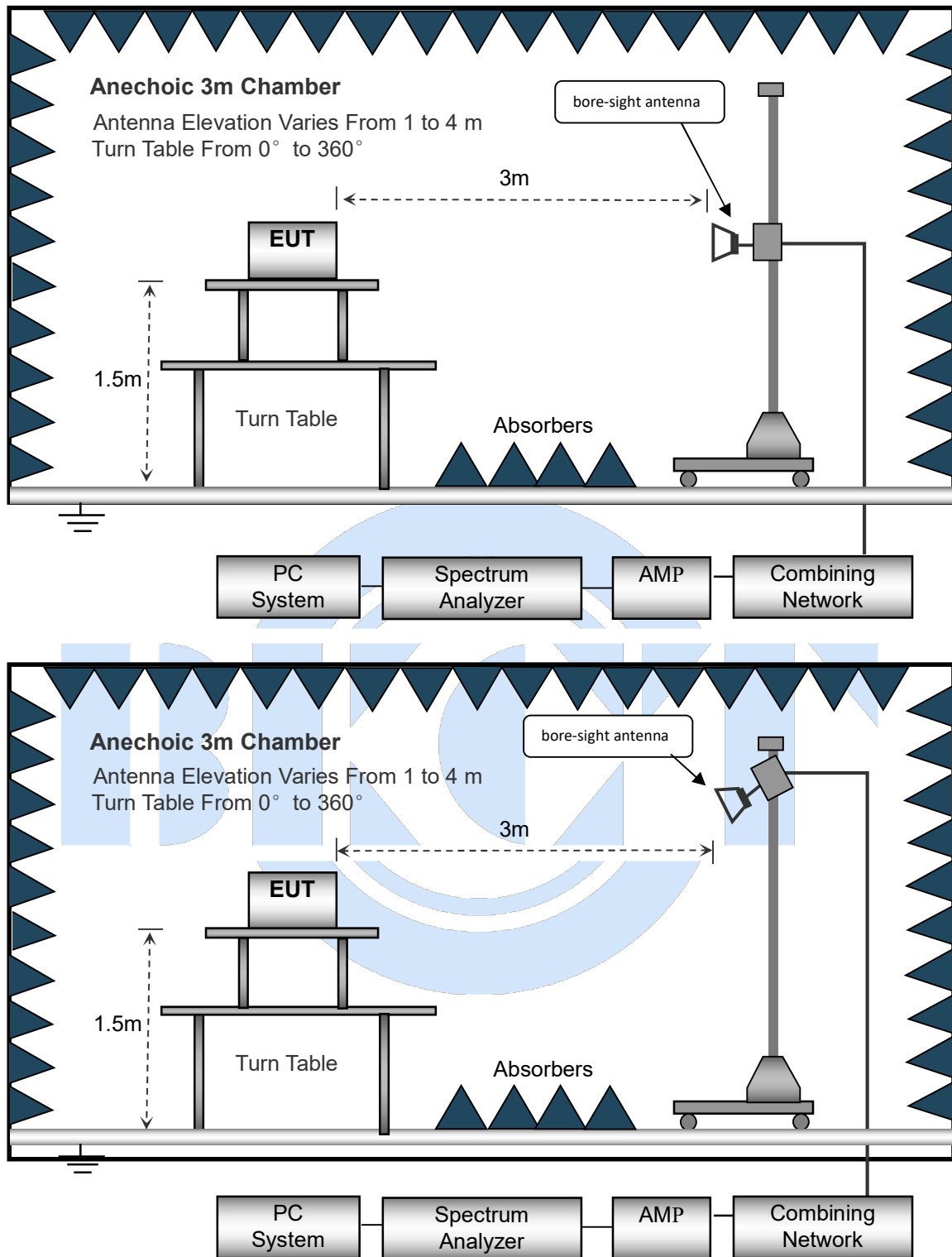
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.

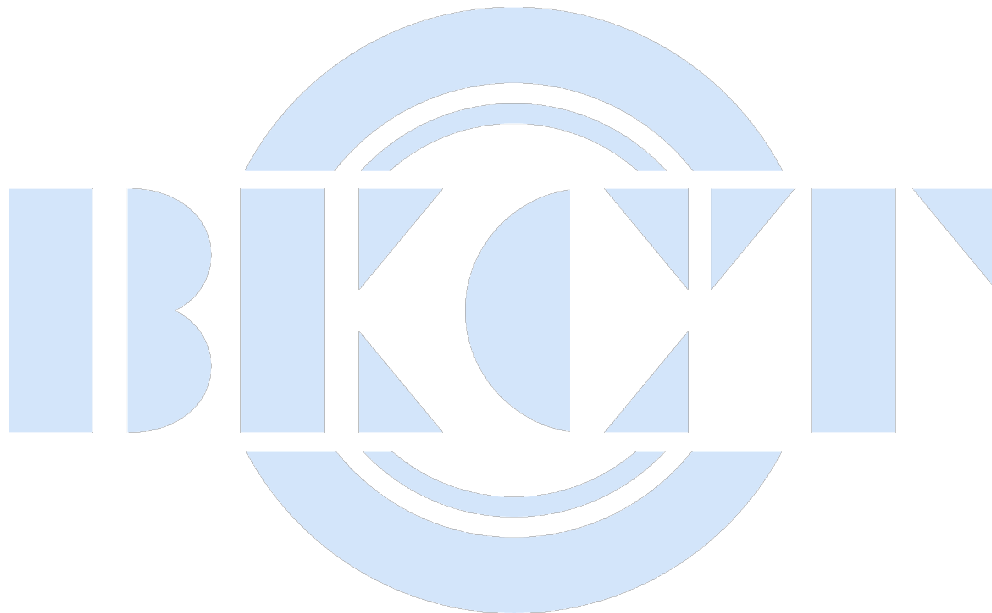


The test setup for emission measurement above 1 GHz.



3.3. Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high - pass filter is used during radiated emissions above 1GHz measurement.



3.4.Test Result

Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 1GHz

Radiation Emission Test Data			
Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	SR-C60502000U2



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	35.3750	16.59	12.77	29.36	40.00	-10.64	QP	
2	40.9880	16.19	13.38	29.57	40.00	-10.43	QP	
3	116.1320	18.98	11.03	30.01	44.00	-13.99	QP	
4 *	455.9057	23.99	16.86	40.85	46.00	-5.15	QP	
5	601.4265	17.68	20.02	37.70	46.00	-8.30	QP	
6	842.1295	13.59	23.50	37.09	46.00	-8.91	QP	

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	SR-C60502000U2

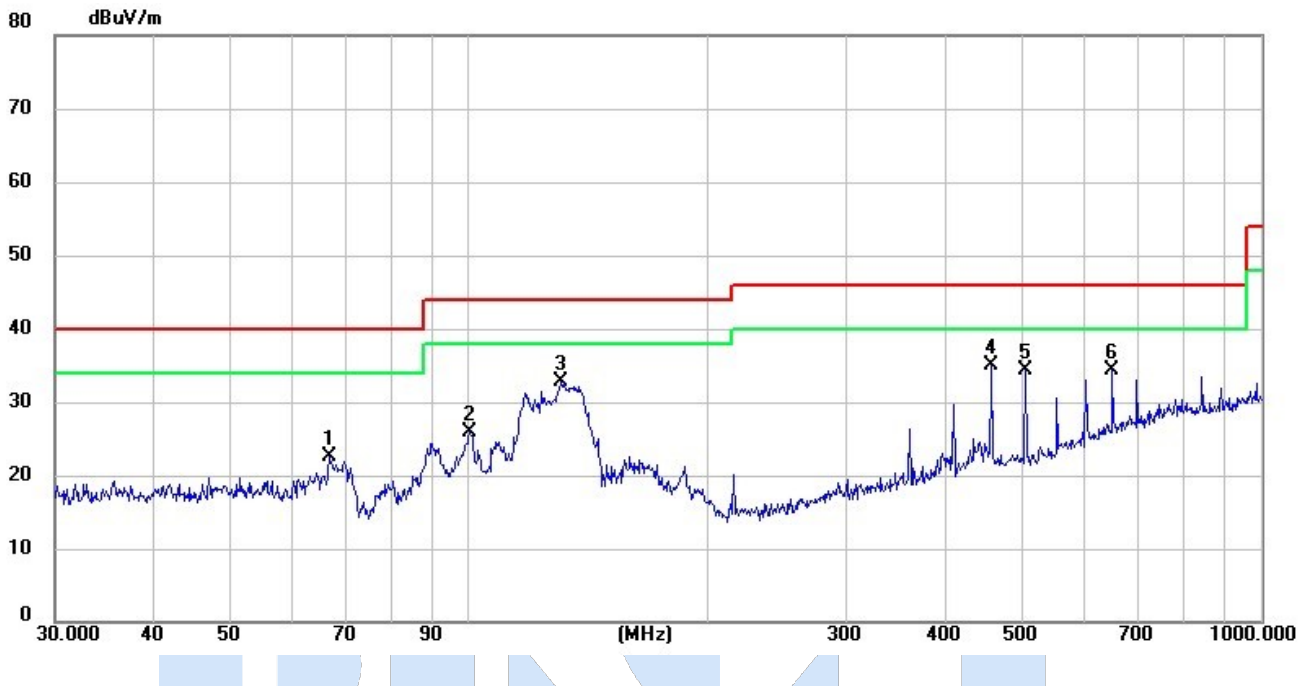


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	42.0065	6.94	13.32	20.26	40.00	-19.74	QP	
2	89.9046	14.85	8.81	23.66	44.00	-20.34	QP	
3	117.7724	18.32	11.20	29.52	44.00	-14.48	QP	
4	457.5072	14.99	16.87	31.86	46.00	-14.14	QP	
5	504.7062	17.09	17.43	34.52	46.00	-11.48	QP	
6 *	649.6594	14.11	20.73	34.84	46.00	-11.16	QP	

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	TEKA-AB1B050200US



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	66.7325	10.99	11.47	22.46	40.00	-17.54	QP	
2	100.2283	16.34	9.50	25.84	44.00	-18.16	QP	
3	130.8369	20.69	12.11	32.80	44.00	-11.20	QP	
4 *	457.5072	18.04	16.87	34.91	46.00	-11.09	QP	
5	504.7062	16.89	17.43	34.32	46.00	-11.68	QP	
6	649.6594	13.60	20.73	34.33	46.00	-11.67	QP	

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	TEKA-AB1B050200US



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	32.5197	17.14	12.57	29.71	40.00	-10.29	QP	
2	41.2764	14.80	13.36	28.16	40.00	-11.84	QP	
3	50.7635	14.65	13.23	27.88	40.00	-12.12	QP	
4	118.1860	19.70	11.25	30.95	44.00	-13.05	QP	
5 *	455.9057	23.69	16.86	40.55	46.00	-5.45	QP	
6	649.6594	16.47	20.73	37.20	46.00	-8.80	QP	

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	XSC-0502000S



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	40.8444	17.18	13.39	30.57	40.00	-9.43	QP	
2	80.3617	23.26	8.84	32.10	40.00	-7.90	QP	
3	115.7256	21.37	10.99	32.36	44.00	-11.64	QP	
4 *	457.5072	22.87	16.87	39.74	46.00	-6.26	QP	
5	649.6594	18.35	20.73	39.08	46.00	-6.92	QP	
6	744.8660	16.59	22.26	38.85	46.00	-7.15	QP	

Radiation Emission Test Data			
Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode	802.11b
EUT	RWF-108V	Adapter	XSC-0502000S



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	86.5027	15.66	8.82	24.48	40.00	-15.52	QP	
2	116.5400	20.69	11.07	31.76	44.00	-12.24	QP	
3	174.4240	12.08	12.29	24.37	44.00	-19.63	QP	
4	457.5072	18.27	16.87	35.14	46.00	-10.86	QP	
5	504.7062	18.19	17.43	35.62	46.00	-10.38	QP	
6 *	793.3960	12.97	23.06	36.03	46.00	-9.97	QP	

Remark: 1. Result = Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit

Above 1GHz

802.11b

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Low Channel:2412MHz									
V	4824.00	51.21	30.57	5.81	24.76	51.21	74.00	-22.79	Pk
V	4824.00	43.76	30.57	5.81	24.76	43.76	54.00	-10.24	AV
V	7236.00	52.36	30.49	6.45	24.82	53.14	74.00	-20.86	Pk
V	7236.00	43.82	30.49	6.45	24.82	44.60	54.00	-9.40	AV
V	9648.00	52.29	30.93	7.62	25.01	53.99	74.00	-20.01	Pk
V	9648.00	43.22	30.93	7.62	25.01	44.92	54.00	-9.08	AV
V	12060.00	50.30	31.34	9.16	25.83	53.95	74.00	-20.05	Pk
V	12060.00	43.96	31.34	9.16	25.83	47.61	54.00	-6.39	AV
H	4824.00	51.67	30.57	5.81	24.76	51.67	74.00	-22.33	Pk
H	4824.00	43.74	30.57	5.81	24.76	43.74	54.00	-10.26	AV
H	7236.00	51.11	30.49	6.45	24.82	51.89	74.00	-22.11	Pk
H	7236.00	43.74	30.49	6.45	24.82	44.52	54.00	-9.48	AV
H	9648.00	50.92	30.93	7.62	25.01	52.62	74.00	-21.38	Pk
H	9648.00	43.73	30.93	7.62	25.01	45.43	54.00	-8.57	AV
H	12060.00	53.73	31.34	9.16	25.83	57.38	74.00	-16.62	Pk
H	12060.00	43.44	31.34	9.16	25.83	47.09	54.00	-6.91	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
Middle Channel:2437MHz									
V	4874.00	51.23	31.16	6.19	24.81	51.07	74.00	-22.93	Pk
V	4874.00	43.82	31.16	6.19	24.81	43.66	54.00	-10.34	AV
V	7311.00	51.24	30.51	6.48	24.86	52.07	74.00	-21.93	Pk
V	7311.00	43.91	30.51	6.48	24.86	44.74	54.00	-9.26	AV
V	9748.00	52.94	31.02	7.71	25.31	54.94	74.00	-19.06	Pk
V	9748.00	43.23	31.02	7.71	25.31	45.23	54.00	-8.77	AV
V	12185.00	54.17	31.42	9.14	26.03	57.92	74.00	-16.08	Pk
V	12185.00	43.31	31.42	9.14	26.03	47.06	54.00	-6.94	AV

H	4874.00	54.88	31.16	6.19	24.81	54.72	74.00	-19.28	Pk
H	4874.00	43.63	31.16	6.19	24.81	43.47	54.00	-10.53	AV
H	7311.00	51.73	30.51	6.48	24.86	52.56	74.00	-21.44	Pk
H	7311.00	43.73	30.51	6.48	24.86	44.56	54.00	-9.44	AV
H	9748.00	52.91	31.02	7.71	25.31	54.91	74.00	-19.09	Pk
H	9748.00	43.64	31.02	7.71	25.31	45.64	54.00	-8.36	AV
H	12185.00	51.06	31.42	9.14	26.03	54.81	74.00	-19.19	Pk
H	12185.00	43.22	31.42	9.14	26.03	46.97	54.00	-7.03	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
High Channel:2462MHz									
V	4924.00	54.62	31.52	6.32	25.13	54.55	74.00	-19.45	Pk
V	4924.00	43.41	31.52	6.32	25.13	43.34	54.00	-10.66	AV
V	7386.00	52.66	30.82	6.63	25.34	53.81	74.00	-20.19	Pk
V	7386.00	43.92	30.82	6.63	25.34	45.07	54.00	-8.93	AV
V	9848.00	51.64	31.15	7.87	25.67	54.03	74.00	-19.97	Pk
V	9848.00	43.45	31.15	7.87	25.67	45.84	54.00	-8.16	AV
V	12310.00	53.31	31.42	9.43	26.48	57.80	74.00	-16.20	Pk
V	12310.00	43.23	31.42	9.43	26.48	47.72	54.00	-6.28	AV
H	4924.00	53.19	31.52	6.32	25.13	53.12	74.00	-20.88	Pk
H	4924.00	43.59	31.52	6.32	25.13	43.52	54.00	-10.48	AV
H	7386.00	53.92	30.82	6.63	25.34	55.07	74.00	-18.93	Pk
H	7386.00	43.49	30.82	6.63	25.34	44.64	54.00	-9.36	AV
H	9848.00	53.00	31.15	7.87	25.67	55.39	74.00	-18.61	Pk
H	9848.00	43.91	31.15	7.87	25.67	46.30	54.00	-7.70	AV
H	12310.00	52.43	31.42	9.43	26.48	56.92	74.00	-17.08	Pk
H	12310.00	43.67	31.42	9.43	26.48	47.96	54.00	-6.04	AV

802.11g

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detect or Type
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							m)		
Low Channel:2412MHz									
V	4824.00	52.31	30.57	5.83	24.78	52.35	74.00	-21.65	Pk
V	4824.00	43.07	30.57	5.83	24.78	43.11	54.00	-10.89	AV
V	7236.00	53.83	30.49	6.47	24.83	54.64	74.00	-19.36	Pk
V	7236.00	43.82	30.49	6.47	24.83	44.63	54.00	-9.37	AV
V	9648.00	51.49	30.93	7.65	25.05	53.26	74.00	-20.74	Pk
V	9648.00	43.65	30.93	7.65	25.05	45.42	54.00	-8.58	AV
V	12060.00	52.52	31.34	9.21	25.86	56.25	74.00	-17.75	Pk
V	12060.00	43.82	31.34	9.21	25.86	47.55	54.00	-6.45	AV
H	4824.00	53.63	30.57	5.83	24.78	53.67	74.00	-20.33	Pk
H	4824.00	43.74	30.57	5.83	24.78	43.78	54.00	-10.22	AV
H	7236.00	51.50	30.49	6.47	24.83	52.31	74.00	-21.69	Pk
H	7236.00	43.89	30.49	6.47	24.83	44.70	54.00	-9.30	AV
H	9648.00	50.94	30.93	7.65	25.05	52.71	74.00	-21.29	Pk
H	9648.00	43.84	30.93	7.65	25.05	45.61	54.00	-8.39	AV
H	12060.00	53.29	31.34	9.21	25.86	57.02	74.00	-16.98	Pk
H	12060.00	43.61	31.34	9.21	25.86	47.34	54.00	-6.66	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amp lifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
Middle Channel:2437MHz									
V	4874.00	51.63	31.16	6.19	24.81	51.47	74.00	-22.53	Pk
V	4874.00	43.60	31.16	6.19	24.81	43.44	54.00	-10.56	AV
V	7311.00	51.28	30.51	6.48	24.86	52.11	74.00	-21.89	Pk
V	7311.00	43.16	30.51	6.48	24.86	43.99	54.00	-10.01	AV
V	9748.00	52.11	31.02	7.71	25.31	54.11	74.00	-19.89	Pk
V	9748.00	43.70	31.02	7.71	25.31	45.70	54.00	-8.30	AV
V	12185.00	50.71	31.42	9.14	26.03	54.46	74.00	-19.54	Pk
V	12185.00	43.13	31.42	9.14	26.03	46.88	54.00	-7.12	AV
H	4874.00	52.32	31.16	6.19	24.81	52.16	74.00	-21.84	Pk
H	4874.00	43.21	31.16	6.19	24.81	43.05	54.00	-10.95	AV
H	7311.00	52.65	30.51	6.48	24.86	53.48	74.00	-20.52	Pk
H	7311.00	43.97	30.51	6.48	24.86	44.80	54.00	-9.20	AV
H	9748.00	52.01	31.02	7.71	25.31	54.01	74.00	-19.99	Pk



H	9748.00	43.32	31.02	7.71	25.31	45.32	54.00	-8.68	AV
H	12185.00	51.94	31.42	9.14	26.03	55.69	74.00	-18.31	Pk
H	12185.00	43.87	31.42	9.14	26.03	47.62	54.00	-6.38	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	50.38	31.52	6.32	25.13	50.31	74.00	-23.69	Pk
V	4924.00	43.99	31.52	6.32	25.13	43.92	54.00	-10.08	AV
V	7386.00	53.90	30.82	6.63	25.34	55.05	74.00	-18.95	Pk
V	7386.00	43.35	30.82	6.63	25.34	44.50	54.00	-9.50	AV
V	9848.00	53.61	31.15	7.87	25.67	56.00	74.00	-18.00	Pk
V	9848.00	43.86	31.15	7.87	25.67	46.25	54.00	-7.75	AV
V	12310.00	52.38	31.42	9.43	26.48	56.87	74.00	-17.13	Pk
V	12310.00	43.90	31.42	9.43	26.48	47.99	54.00	-6.01	AV
H	4924.00	51.32	31.52	6.32	25.13	51.25	74.00	-22.75	Pk
H	4924.00	43.08	31.52	6.32	25.13	43.01	54.00	-10.99	AV
H	7386.00	54.77	30.82	6.63	25.34	55.92	74.00	-18.08	Pk
H	7386.00	43.87	30.82	6.63	25.34	45.02	54.00	-8.98	AV
H	9848.00	53.38	31.15	7.87	25.67	55.77	74.00	-18.23	Pk
H	9848.00	43.03	31.15	7.87	25.67	45.42	54.00	-8.58	AV
H	12310.00	52.84	31.42	9.43	26.48	57.33	74.00	-16.67	Pk
H	12310.00	43.73	31.42	9.43	26.48	47.92	54.00	-6.08	AV

802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	50.34	30.57	5.81	24.76	50.34	74.00	-23.66	Pk
V	4824.00	43.25	30.57	5.81	24.76	43.25	54.00	-10.75	AV

V	7236.00	52.04	30.49	6.45	24.82	52.82	74.00	-21.18	Pk
V	7236.00	43.36	30.49	6.45	24.82	44.14	54.00	-9.86	AV
V	9648.00	54.72	30.93	7.62	25.01	56.42	74.00	-17.58	Pk
V	9648.00	43.05	30.93	7.62	25.01	44.75	54.00	-9.25	AV
V	12060.00	50.63	31.34	9.16	25.83	54.28	74.00	-19.72	Pk
V	12060.00	43.96	31.34	9.16	25.83	47.61	54.00	-6.39	AV
H	4824.00	54.99	30.57	5.81	24.76	54.99	74.00	-19.01	Pk
H	4824.00	43.70	30.57	5.81	24.76	43.70	54.00	-10.30	AV
H	7236.00	50.40	30.49	6.45	24.82	51.18	74.00	-22.82	Pk
H	7236.00	43.37	30.49	6.45	24.82	44.15	54.00	-9.85	AV
H	9648.00	52.58	30.93	7.62	25.01	54.28	74.00	-19.72	Pk
H	9648.00	43.63	30.93	7.62	25.01	45.33	54.00	-8.67	AV
H	12060.00	52.20	31.34	9.16	25.83	55.85	74.00	-18.15	Pk
H	12060.00	43.81	31.34	9.16	25.83	47.46	54.00	-6.54	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amp lifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
Middle Channel:2437MHz									
V	4874.00	54.47	31.16	6.19	24.81	54.31	74.00	-19.69	Pk
V	4874.00	43.44	31.16	6.19	24.81	43.28	54.00	-10.72	AV
V	7311.00	52.49	30.51	6.48	24.86	53.32	74.00	-20.68	Pk
V	7311.00	43.36	30.51	6.48	24.86	44.19	54.00	-9.81	AV
V	9748.00	51.66	31.02	7.71	25.31	53.66	74.00	-20.34	Pk
V	9748.00	43.03	31.02	7.71	25.31	45.03	54.00	-8.97	AV
V	12185.00	53.27	31.42	9.14	26.03	57.02	74.00	-16.98	Pk
V	12185.00	43.38	31.42	9.14	26.03	47.13	54.00	-6.87	AV
H	4874.00	50.90	31.16	6.19	24.81	50.74	74.00	-23.26	Pk
H	4874.00	43.32	31.16	6.19	24.81	43.16	54.00	-10.84	AV
H	7311.00	51.05	30.51	6.48	24.86	51.88	74.00	-22.12	Pk
H	7311.00	43.18	30.51	6.48	24.86	44.01	54.00	-9.99	AV
H	9748.00	50.49	31.02	7.71	25.31	52.49	74.00	-21.51	Pk
H	9748.00	43.55	31.02	7.71	25.31	45.55	54.00	-8.45	AV
H	12185.00	54.39	31.42	9.14	26.03	58.14	74.00	-15.86	Pk
H	12185.00	43.39	31.42	9.14	26.03	47.14	54.00	-6.86	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.47	31.52	6.32	25.13	53.40	74.00	-20.60	Pk
V	4924.00	43.27	31.52	6.32	25.13	43.20	54.00	-10.80	AV
V	7386.00	52.50	30.82	6.63	25.34	53.65	74.00	-20.35	Pk
V	7386.00	43.44	30.82	6.63	25.34	44.59	54.00	-9.41	AV
V	9848.00	53.55	31.15	7.87	25.67	55.94	74.00	-18.06	Pk
V	9848.00	43.32	31.15	7.87	25.67	45.71	54.00	-8.29	AV
V	12310.00	51.42	31.42	9.43	26.48	55.91	74.00	-18.09	Pk
V	12310.00	43.05	31.42	9.43	26.48	47.54	54.00	-6.46	AV
H	4924.00	52.30	31.52	6.32	25.13	52.23	74.00	-21.77	Pk
H	4924.00	43.43	31.52	6.32	25.13	43.36	54.00	-10.64	AV
H	7386.00	53.74	30.82	6.63	25.34	54.89	74.00	-19.11	Pk
H	7386.00	43.31	30.82	6.63	25.34	44.46	54.00	-9.54	AV
H	9848.00	53.38	31.15	7.87	25.67	55.77	74.00	-18.23	Pk
H	9848.00	43.09	31.15	7.87	25.67	45.48	54.00	-8.52	AV
H	12310.00	50.12	31.42	9.43	26.48	54.61	74.00	-19.39	Pk
H	12310.00	43.98	31.42	9.43	26.48	49.97	54.00	-6.03	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2422MHz									
V	4844.00	53.84	30.59	5.83	24.78	53.86	74.00	-20.14	Pk
V	4844.00	43.50	30.59	5.83	24.78	43.52	54.00	-10.48	AV
V	7266.00	50.63	30.51	6.47	24.83	51.42	74.00	-22.58	Pk
V	7266.00	43.10	30.51	6.47	24.83	43.89	54.00	-10.11	AV
V	9688.00	54.17	31.03	7.65	25.05	55.84	74.00	-18.16	Pk
V	9688.00	43.47	31.03	7.65	25.05	45.14	54.00	-8.86	AV
V	12110.00	51.82	31.52	9.21	25.86	55.37	74.00	-18.63	Pk
V	12110.00	43.85	31.52	9.21	25.86	47.40	54.00	-6.60	AV
H	4844.00	54.40	30.59	5.83	24.78	54.42	74.00	-19.58	Pk

H	4844.00	43.81	30.59	5.83	24.78	43.83	54.00	-10.17	AV
H	7266.00	52.64	30.51	6.47	24.83	53.43	74.00	-20.57	Pk
H	7266.00	43.81	30.51	6.47	24.83	44.60	54.00	-9.40	AV
H	9688.00	52.18	31.03	7.65	25.05	53.85	74.00	-20.15	Pk
H	9688.00	43.87	31.03	7.65	25.05	45.54	54.00	-8.46	AV
H	12110.00	51.16	31.52	9.21	25.86	54.71	74.00	-19.29	Pk
H	12110.00	43.11	31.52	9.21	25.86	46.66	54.00	-7.34	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amp lifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
Middle Channel:2437MHz									
V	4874.00	52.67	31.16	6.19	24.81	52.51	74.00	-21.49	Pk
V	4874.00	43.61	31.16	6.19	24.81	43.45	54.00	-10.55	AV
V	7311.00	50.20	30.51	6.48	24.86	51.03	74.00	-22.97	Pk
V	7311.00	43.16	30.51	6.48	24.86	43.99	54.00	-10.01	AV
V	9748.00	52.71	31.02	7.71	25.31	54.71	74.00	-19.29	Pk
V	9748.00	43.01	31.02	7.71	25.31	45.01	54.00	-8.99	AV
V	12185.00	50.30	31.42	9.14	26.03	54.05	74.00	-19.95	Pk
V	12185.00	43.90	31.42	9.14	26.03	47.65	54.00	-6.35	AV
H	4874.00	52.24	31.16	6.19	24.81	52.08	74.00	-21.92	Pk
H	4874.00	43.73	31.16	6.19	24.81	43.57	54.00	-10.43	AV
H	7311.00	52.54	30.51	6.48	24.86	53.37	74.00	-20.63	Pk
H	7311.00	43.93	30.51	6.48	24.86	44.76	54.00	-9.24	AV
H	9748.00	50.41	31.02	7.71	25.31	52.41	74.00	-21.59	Pk
H	9748.00	43.42	31.02	7.71	25.31	45.42	54.00	-8.58	AV
H	12185.00	53.78	31.42	9.14	26.03	57.53	74.00	-16.47	Pk
H	12185.00	43.10	31.42	9.14	26.03	46.85	54.00	-7.15	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amp lifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
High Channel:2452MHz									
V	4904.00	51.72	31.50	6.29	25.08	51.59	74.00	-22.41	Pk
V	4904.00	43.74	31.50	6.29	25.08	43.61	54.00	-10.39	AV
V	7336.00	53.97	30.79	6.58	25.31	55.07	74.00	-18.93	Pk

V	7336.00	43.16	30.79	6.58	25.31	44.26	54.00	-9.74	AV
V	9808.00	51.88	31.12	7.83	25.62	54.21	74.00	-19.79	Pk
V	9808.00	43.21	31.12	7.83	25.62	45.54	54.00	-8.46	AV
V	12260.00	50.27	31.33	9.38	26.45	54.77	74.00	-19.23	Pk
V	12260.00	43.30	31.33	9.38	26.45	47.80	54.00	-6.20	AV
H	4904.00	50.60	31.50	6.29	25.08	50.47	74.00	-23.53	Pk
H	4904.00	43.80	31.50	6.29	25.08	43.67	54.00	-10.33	AV
H	7336.00	54.03	30.79	6.58	25.31	55.13	74.00	-18.87	Pk
H	7336.00	43.59	30.79	6.58	25.31	44.69	54.00	-9.31	AV
H	9808.00	54.67	31.12	7.83	25.62	57.00	74.00	-17.00	Pk
H	9808.00	43.88	31.12	7.83	25.62	46.21	54.00	-7.79	AV
H	12260.00	52.88	31.33	9.38	26.45	57.38	74.00	-16.62	Pk
H	12260.00	43.59	31.33	9.38	26.45	48.09	54.00	-5.91	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	54.22	30.57	5.81	24.76	54.22	74.00	-19.78	Pk
V	4824.00	43.30	30.57	5.81	24.76	43.30	54.00	-10.70	AV
V	7236.00	50.50	30.49	6.45	24.82	51.28	74.00	-22.72	Pk
V	7236.00	43.37	30.49	6.45	24.82	44.15	54.00	-9.85	AV
V	9648.00	54.00	30.93	7.62	25.01	55.70	74.00	-18.30	Pk
V	9648.00	43.31	30.93	7.62	25.01	45.01	54.00	-8.99	AV
V	12060.00	51.83	31.34	9.16	25.83	55.48	74.00	-18.52	Pk
V	12060.00	43.26	31.34	9.16	25.83	46.91	54.00	-7.09	AV
H	4824.00	51.97	30.57	5.81	24.76	51.97	74.00	-22.03	Pk
H	4824.00	43.38	30.57	5.81	24.76	43.38	54.00	-10.62	AV
H	7236.00	53.40	30.49	6.45	24.82	54.18	74.00	-19.82	Pk
H	7236.00	43.65	30.49	6.45	24.82	44.43	54.00	-9.57	AV
H	9648.00	50.15	30.93	7.62	25.01	51.85	74.00	-22.15	Pk
H	9648.00	43.53	30.93	7.62	25.01	45.23	54.00	-8.77	AV
H	12060.00	51.46	31.34	9.16	25.83	55.11	74.00	-18.89	Pk

H	12060.00	43.32	31.34	9.16	25.83	46.97	54.00	-7.03	AV
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Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	52.31	31.16	6.19	24.81	52.15	74.00	-21.85	Pk
V	4874.00	43.19	31.16	6.19	24.81	43.03	54.00	-10.97	AV
V	7311.00	51.39	30.51	6.48	24.86	52.22	74.00	-21.78	Pk
V	7311.00	43.53	30.51	6.48	24.86	44.36	54.00	-9.64	AV
V	9748.00	50.33	31.02	7.71	25.31	52.33	74.00	-21.67	Pk
V	9748.00	43.34	31.02	7.71	25.31	45.34	54.00	-8.66	AV
V	12185.00	50.69	31.42	9.14	26.03	54.44	74.00	-19.56	Pk
V	12185.00	43.54	31.42	9.14	26.03	47.29	54.00	-6.71	AV
H	4874.00	52.44	31.16	6.19	24.81	52.28	74.00	-21.72	Pk
H	4874.00	43.37	31.16	6.19	24.81	43.21	54.00	-10.79	AV
H	7311.00	53.98	30.51	6.48	24.86	54.81	74.00	-19.19	Pk
H	7311.00	43.99	30.51	6.48	24.86	44.82	54.00	-9.18	AV
H	9748.00	51.81	31.02	7.71	25.31	53.81	74.00	-20.19	Pk
H	9748.00	43.15	31.02	7.71	25.31	45.15	54.00	-8.85	AV
H	12185.00	50.92	31.42	9.14	26.03	54.67	74.00	-19.33	Pk
H	12185.00	43.19	31.42	9.14	26.03	46.94	54.00	-7.06	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	54.84	31.52	6.32	25.13	54.77	74.00	-19.23	Pk
V	4924.00	43.55	31.52	6.32	25.13	43.48	54.00	-10.52	AV
V	7386.00	51.35	30.82	6.63	25.34	52.50	74.00	-21.50	Pk
V	7386.00	43.11	30.82	6.63	25.34	44.26	54.00	-9.74	AV
V	9848.00	53.22	31.15	7.87	25.67	55.61	74.00	-18.39	Pk
V	9848.00	43.50	31.15	7.87	25.67	45.89	54.00	-8.11	AV
V	12310.00	50.51	31.42	9.43	26.48	55.00	74.00	-19.00	Pk
V	12310.00	43.59	31.42	9.43	26.48	48.08	54.00	-5.92	AV
H	4924.00	53.13	31.52	6.32	25.13	53.06	74.00	-20.94	Pk

H	4924.00	43.47	31.52	6.32	25.13	43.40	54.00	-10.60	AV
H	7386.00	53.11	30.82	6.63	25.34	54.26	74.00	-19.74	Pk
H	7386.00	43.54	30.82	6.63	25.34	44.69	54.00	-9.31	AV
H	9848.00	52.35	31.15	7.87	25.67	54.74	74.00	-19.26	Pk
H	9848.00	43.80	31.15	7.87	25.67	46.19	54.00	-7.81	AV
H	12310.00	54.46	31.42	9.43	26.48	58.95	74.00	-15.05	Pk
H	12310.00	43.94	31.42	9.43	26.48	48.43	54.00	-5.57	AV

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Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2422MHz									
V	4844.00	50.40	30.59	5.83	24.78	50.42	74.00	-23.58	Pk
V	4844.00	43.87	30.59	5.83	24.78	43.89	54.00	-10.11	AV
V	7266.00	53.41	30.51	6.47	24.83	54.20	74.00	-19.80	Pk
V	7266.00	43.94	30.51	6.47	24.83	44.73	54.00	-9.27	AV
V	9688.00	52.24	31.03	7.65	25.05	53.91	74.00	-20.09	Pk
V	9688.00	43.60	31.03	7.65	25.05	45.27	54.00	-8.73	AV
V	12110.00	52.18	31.52	9.21	25.86	55.73	74.00	-18.27	Pk
V	12110.00	43.37	31.52	9.21	25.86	46.92	54.00	-7.08	AV
H	4844.00	53.97	30.59	5.83	24.78	53.99	74.00	-20.01	Pk
H	4844.00	43.23	30.59	5.83	24.78	43.25	54.00	-10.75	AV
H	7266.00	52.54	30.51	6.47	24.83	53.33	74.00	-20.67	Pk
H	7266.00	43.26	30.51	6.47	24.83	44.05	54.00	-9.95	AV
H	9688.00	53.08	31.03	7.65	25.05	54.75	74.00	-19.25	Pk
H	9688.00	43.56	31.03	7.65	25.05	45.23	54.00	-8.77	AV
H	12110.00	52.23	31.52	9.21	25.86	55.78	74.00	-18.22	Pk
H	12110.00	43.20	31.52	9.21	25.86	46.75	54.00	-7.25	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									

V	4874.00	54.64	31.16	6.19	24.81	54.48	74.00	-19.52	Pk
V	4874.00	43.08	31.16	6.19	24.81	42.92	54.00	-11.08	AV
V	7311.00	50.25	30.51	6.48	24.86	51.08	74.00	-22.92	Pk
V	7311.00	43.46	30.51	6.48	24.86	44.29	54.00	-9.71	AV
V	9748.00	54.88	31.02	7.71	25.31	56.88	74.00	-17.12	Pk
V	9748.00	43.09	31.02	7.71	25.31	45.09	54.00	-8.91	AV
V	12185.00	54.43	31.42	9.14	26.03	58.18	74.00	-15.82	Pk
V	12185.00	43.09	31.42	9.14	26.03	46.84	54.00	-7.16	AV
H	4874.00	50.42	31.16	6.19	24.81	50.26	74.00	-23.74	Pk
H	4874.00	43.89	31.16	6.19	24.81	43.73	54.00	-10.27	AV
H	7311.00	54.25	30.51	6.48	24.86	55.08	74.00	-18.92	Pk
H	7311.00	43.60	30.51	6.48	24.86	44.43	54.00	-9.57	AV
H	9748.00	51.98	31.02	7.71	25.31	53.98	74.00	-20.02	Pk
H	9748.00	43.72	31.02	7.71	25.31	45.72	54.00	-8.28	AV
H	12185.00	53.43	31.42	9.14	26.03	57.18	74.00	-16.82	Pk
H	12185.00	43.22	31.42	9.14	26.03	46.97	54.00	-7.03	AV

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amp lifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
High Channel:2452MHz									
V	4904.00	52.56	31.50	6.29	25.08	52.43	74.00	-21.57	Pk
V	4904.00	43.06	31.50	6.29	25.08	42.93	54.00	-11.07	AV
V	7336.00	54.07	30.79	6.58	25.31	55.17	74.00	-18.83	Pk
V	7336.00	43.71	30.79	6.58	25.31	44.81	54.00	-9.19	AV
V	9808.00	53.67	31.12	7.83	25.62	56.00	74.00	-18.00	Pk
V	9808.00	43.27	31.12	7.83	25.62	45.60	54.00	-8.40	AV
V	12260.00	54.99	31.33	9.38	26.45	59.49	74.00	-14.51	Pk
V	12260.00	43.98	31.33	9.38	26.45	48.48	54.00	-5.52	AV
H	4904.00	53.65	31.50	6.29	25.08	53.52	74.00	-20.48	Pk
H	4904.00	43.63	31.50	6.29	25.08	43.50	54.00	-10.50	AV
H	7336.00	53.75	30.79	6.58	25.31	54.85	74.00	-19.15	Pk
H	7336.00	43.18	30.79	6.58	25.31	44.28	54.00	-9.72	AV
H	9808.00	50.07	31.12	7.83	25.62	52.40	74.00	-21.60	Pk
H	9808.00	43.60	31.12	7.83	25.62	45.93	54.00	-8.07	AV
H	12260.00	50.52	31.33	9.38	26.45	55.02	74.00	-18.98	Pk



H	12260.00	43.53	31.33	9.38	26.45	48.03	54.00	-5.97	AV
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Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss - Pre-amplifier,

Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Radiated Band Emission Measurement:

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Detec tor Type	Result
802.11b	Low Channel 2412MHz									
	H	2390.00	54.79	30.22	4.85	23.98	53.40	74.00	Pk	PASS
	H	2390.00	44.77	30.22	4.85	23.98	40.13	54.00	AV	PASS
	H	2400.00	54.56	30.26	4.87	24.13	53.30	74.00	Pk	PASS
	H	2400.00	44.11	30.26	4.87	24.13	42.85	54.00	AV	PASS
	V	2390.00	53.39	30.22	4.85	23.98	52.00	74.00	Pk	PASS
	V	2390.00	44.51	30.22	4.85	23.98	43.12	54.00	AV	PASS
	V	2400.00	53.62	30.26	4.87	24.13	52.36	74.00	Pk	PASS
	V	2400.00	44.29	30.26	4.87	24.13	43.03	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.93	30.22	4.85	23.98	52.54	74.00	Pk	PASS
	H	2483.50	44.56	30.22	4.85	23.98	43.17	54.00	AV	PASS
	H	2500.00	53.62	30.26	4.87	24.13	52.36	74.00	Pk	PASS
	H	2500.00	44.74	30.26	4.87	24.13	43.48	54.00	AV	PASS
	V	2483.50	54.27	30.22	4.85	23.98	52.88	74.00	Pk	PASS
	V	2483.50	44.93	30.22	4.85	23.98	43.54	54.00	AV	PASS
	V	2500.00	54.35	30.26	4.87	24.13	53.09	74.00	Pk	PASS
	V	2500.00	44.59	30.26	4.87	24.13	43.33	54.00	AV	PASS
802.11g	Low Channel 2412MHz									
	H	2390.00	53.68	30.22	4.85	23.98	52.29	74.00	Pk	PASS

	H	2390.00	44.10	30.22	4.85	23.98	42.71	54.00	AV	PASS
	H	2400.00	53.62	30.26	4.87	24.13	52.36	74.00	Pk	PASS
	H	2400.00	44.55	30.26	4.87	24.13	43.29	54.00	AV	PASS
	V	2390.00	53.45	30.22	4.85	23.98	52.06	74.00	Pk	PASS
	V	2390.00	44.42	30.22	4.85	23.98	43.03	54.00	AV	PASS
	V	2400.00	54.64	30.26	4.87	24.13	53.38	74.00	Pk	PASS
	V	2400.00	44.05	30.26	4.87	24.13	42.79	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.70	31.12	4.98	24.56	52.12	74.00	Pk	PASS
	H	2483.50	44.90	31.12	4.98	24.56	43.32	54.00	AV	PASS
	H	2500.00	53.47	31.17	5.12	24.61	52.03	74.00	Pk	PASS
	H	2500.00	44.21	31.17	5.12	24.61	42.77	54.00	AV	PASS
	V	2483.50	54.38	31.12	4.98	24.56	52.80	74.00	Pk	PASS
	V	2483.50	44.30	31.12	4.98	24.56	42.72	54.00	AV	PASS
	V	2500.00	53.05	31.17	5.12	24.61	51.61	74.00	Pk	PASS
	V	2500.00	44.33	31.17	5.12	24.61	42.89	54.00	AV	PASS
802.11 n20	Low Channel 2412MHz									
	H	2390.00	54.98	31.12	4.98	24.56	53.40	74.00	Pk	PASS
	H	2390.00	44.26	31.12	4.98	24.56	42.68	54.00	AV	PASS
	H	2400.00	53.61	31.17	5.12	24.61	52.17	74.00	Pk	PASS
	H	2400.00	44.20	31.17	5.12	24.61	42.76	54.00	AV	PASS
	V	2390.00	53.12	31.12	4.98	24.56	51.54	74.00	Pk	PASS
	V	2390.00	44.69	31.12	4.98	24.56	43.11	54.00	AV	PASS
	V	2400.00	53.99	31.17	5.12	24.61	52.55	74.00	Pk	PASS
	V	2400.00	44.84	31.17	5.12	24.61	43.40	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.09	31.12	4.98	24.56	51.51	74.00	Pk	PASS
	H	2483.50	44.55	31.12	4.98	24.56	42.97	54.00	AV	PASS
	H	2500.00	53.09	31.17	5.12	24.61	51.65	74.00	Pk	PASS
	H	2500.00	44.83	31.17	5.12	24.61	43.39	54.00	AV	PASS
	V	2483.50	54.75	31.12	4.98	24.56	53.17	74.00	Pk	PASS
	V	2483.50	44.43	31.12	4.98	24.56	42.85	54.00	AV	PASS
	V	2500.00	53.77	31.17	5.12	24.61	52.33	74.00	Pk	PASS
	V	2500.00	44.19	31.17	5.12	24.61	42.75	54.00	AV	PASS
802.11 N40	Low Channel 2422MHz									
	H	2390.00	54.11	30.22	4.85	23.98	52.72	74.00	Pk	PASS



	H	2390.00	44.43	30.22	4.85	23.98	43.04	54.00	AV	PASS
	H	2400.00	53.39	30.26	4.87	24.13	52.13	74.00	Pk	PASS
	H	2400.00	44.40	30.26	4.87	24.13	43.14	54.00	AV	PASS
	V	2390.00	54.96	30.22	4.85	23.98	53.57	74.00	Pk	PASS
	V	2390.00	44.06	30.22	4.85	23.98	42.67	54.00	AV	PASS
	V	2400.00	54.21	30.26	4.87	24.13	52.95	74.00	Pk	PASS
	V	2400.00	44.25	30.26	4.87	24.13	42.99	54.00	AV	PASS
	High Channel 2452MHz									
	H	2483.50	54.27	30.22	4.85	23.98	52.88	74.00	Pk	PASS
	H	2483.50	44.14	30.22	4.85	23.98	42.75	54.00	AV	PASS
	H	2500.00	54.93	30.26	4.87	24.13	53.67	74.00	Pk	PASS
	H	2500.00	44.61	30.26	4.87	24.13	43.35	54.00	AV	PASS
	V	2483.50	54.85	30.22	4.85	23.98	53.46	74.00	Pk	PASS
	V	2483.50	44.21	30.22	4.85	23.98	42.82	54.00	AV	PASS
	V	2500.00	54.97	30.26	4.87	24.13	53.71	74.00	Pk	PASS
	V	2500.00	44.72	30.26	4.87	24.13	43.46	54.00	AV	PASS
802.11 Ax20	Low Channel 2412MHz									
	H	2390.00	54.53	30.22	4.85	23.98	53.14	74.00	Pk	PASS
	H	2390.00	44.44	30.22	4.85	23.98	43.05	54.00	AV	PASS
	H	2400.00	53.57	30.26	4.87	24.13	52.31	74.00	Pk	PASS
	H	2400.00	44.57	30.26	4.87	24.13	43.31	54.00	AV	PASS
	V	2390.00	53.03	30.22	4.85	23.98	51.64	74.00	Pk	PASS
	V	2390.00	44.08	30.22	4.85	23.98	42.69	54.00	AV	PASS
	V	2400.00	54.77	30.26	4.87	24.13	53.51	74.00	Pk	PASS
	V	2400.00	44.46	30.26	4.87	24.13	43.20	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.59	31.12	4.98	24.56	52.01	74.00	Pk	PASS
	H	2483.50	44.01	31.12	4.98	24.56	42.43	54.00	AV	PASS
	H	2500.00	54.35	31.17	5.12	24.61	52.91	74.00	Pk	PASS
	H	2500.00	44.30	31.17	5.12	24.61	42.86	54.00	AV	PASS
	V	2483.50	53.07	31.12	4.98	24.56	51.49	74.00	Pk	PASS
	V	2483.50	44.02	31.12	4.98	24.56	42.44	54.00	AV	PASS
	V	2500.00	54.31	31.17	5.12	24.61	52.87	74.00	Pk	PASS
	V	2500.00	44.77	31.17	5.12	24.61	43.33	54.00	AV	PASS
802.11 Ax40	Low Channel 2422MHz									
	H	2390.00	54.54	31.12	4.98	24.56	52.96	74.00	Pk	PASS

H	2390.00	44.28	31.12	4.98	24.56	42.70	54.00	AV	PASS
H	2400.00	53.31	31.17	5.12	24.61	51.87	74.00	Pk	PASS
H	2400.00	44.11	31.17	5.12	24.61	42.67	54.00	AV	PASS
V	2390.00	53.40	31.12	4.98	24.56	51.82	74.00	Pk	PASS
V	2390.00	44.66	31.12	4.98	24.56	43.08	54.00	AV	PASS
V	2400.00	53.56	31.17	5.12	24.61	52.12	74.00	Pk	PASS
V	2400.00	44.97	31.17	5.12	24.61	43.53	54.00	AV	PASS
High Channel 2452MHz									
H	2483.50	53.76	31.12	4.98	24.56	52.18	74.00	Pk	PASS
H	2483.50	44.24	31.12	4.98	24.56	42.66	54.00	AV	PASS
H	2500.00	53.10	31.17	5.12	24.61	51.66	74.00	Pk	PASS
H	2500.00	44.37	31.17	5.12	24.61	42.93	54.00	AV	PASS
V	2483.50	54.47	31.12	4.98	24.56	52.89	74.00	Pk	PASS
V	2483.50	44.31	31.12	4.98	24.56	42.73	54.00	AV	PASS
V	2500.00	54.14	31.17	5.12	24.61	52.70	74.00	Pk	PASS
V	2500.00	44.83	31.17	5.12	24.61	43.39	54.00	AV	PASS
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss - Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									

4. Conducted Spurious Emissions

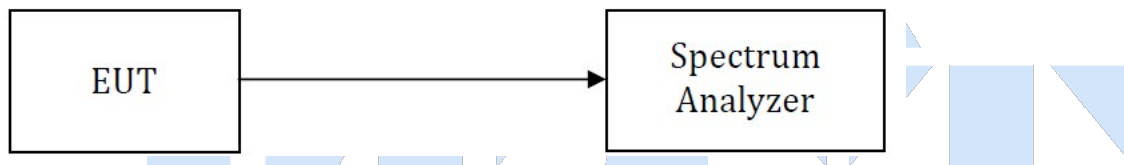
4.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247,
Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02;
ANSI C63.10-2020+Cor.1-2023
Test Result: PASS

Limit:

In any 100 kHz 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.2.Test Setup



4.3.Test Procedure

Establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level

Establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.

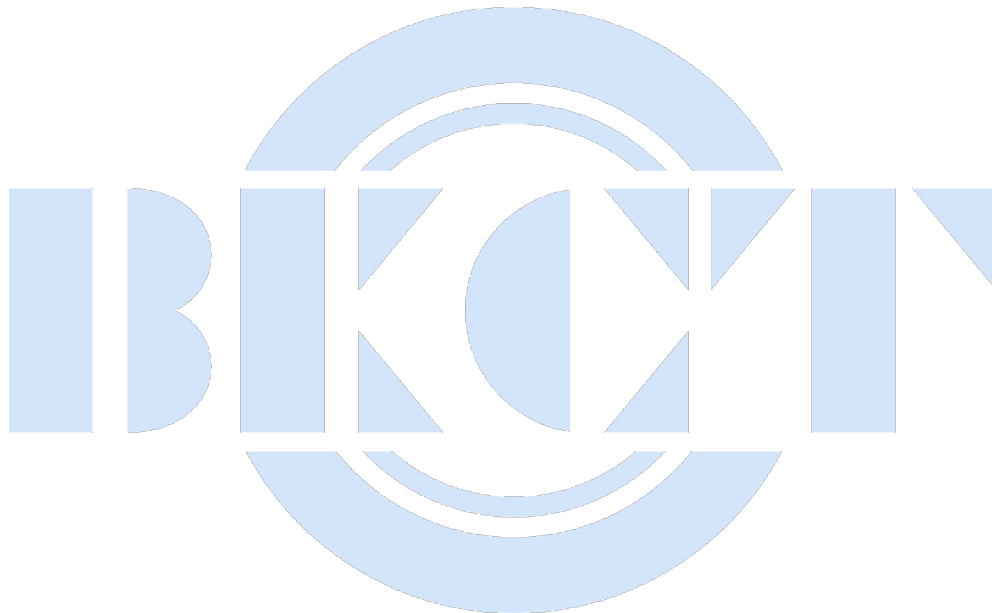
NOTE—the number of points can also be increased for large spans to retain frequency resolution

- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

4.4. Test Result

Test plot please see the attachment for 2.4GWIFI data.



5. Band Edge Measurement

5.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247,

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02;

ANSI C63.10-2020+Cor.1-2023

Test Limit: Regulation 15.247 (d), In any 100 kHz bandwidth outside the frequency band 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 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. 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 in §15.209(a) (see §15.205(c)).

Test Mode: Transmitting

5.2.Test setup



5.3.Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

5.4.Test Result

Test plot please see the attachment for 2.4GWIFI data.

6. -6 dB Bandwidth and 99% Bandwidth Measurement

6.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247,

Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02; ANSI C63.10-2020+Cor.1-2023

6.2.Test Setup



6.3.Test Procedure

For DTS Bandwidth ANSI C63.10 2020 Section 11.8.1

The steps for the first option are as follows:

- 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.

For 99% Bandwidth, ANSI C63.10 2020 Section 6.9.3

Occupied bandwidth-power bandwidth (99%) measurement procedure

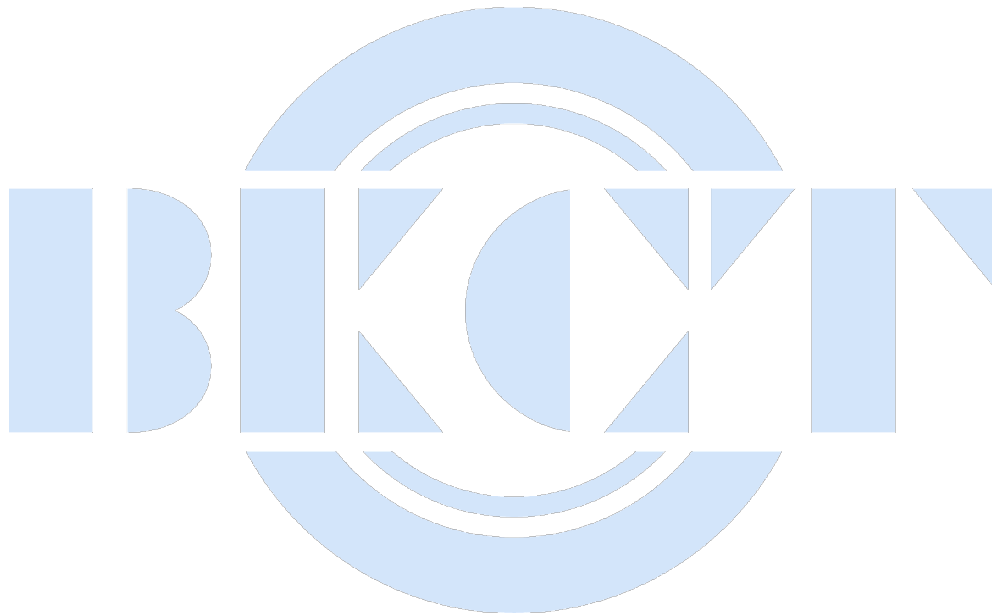
The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.6.2.
- Step a) through step c) might require iteration to adjust within the specified range.
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
- Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

6.4. Test Result

Test plot please see the attachment for 2.4GWIFI data.



7. Maximum Output Power

7.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247,
Test Method: KDB 558074 D01 15.247 Meas Guidance v05r02;
ANSI C63.10-2020+Cor.1-2023

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2.Test Setup



7.3.Test Procedure

Method AVGPM is a measurement using an RF average power meter, as follows:

a) .

As an alternative to spectrum analyzer or EMI receiver measurements, measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent (see Figure 24) if all of the conditions listed below are satisfied:

- 1) The EUT is configured to transmit continuously, or to transmit with a constant duty cycle.
- 2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
- 3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- b) If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal as described in 11.6.
- c) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- d) Correct the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.

7.4.Test Result

Test plot Please see the attachment for 2.4GWIFI data.

8. Power Spectral density

8.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.247,

Test Method: KDB 558074 D01 15.247 Meas Guidance v05; ANSI C63.10-2020+Cor.1-2023

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

8.2.Test Setup



8.3.Test Procedure

KDB 558074 D01 15.247 Meas Guidance v05r02;

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set instrument center frequency to DTS channel center frequency
3. Set span to > 1.5 times the OBW.
4. Set RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
5. Set VBW $\geq [3 \times \text{RBW}]$
6. Detector = power averaging (rms) or sample detector (when rms not available).
7. Ensure that the number of measurement points in the sweep $\geq [2 \times \text{span} / \text{RBW}]$.
8. Sweep time = auto couple.
9. Employ trace averaging (rms) mode over a minimum of 100 traces.
10. Use the peak marker function to determine the maximum amplitude level.
11. If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat(note that this might require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).
12. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

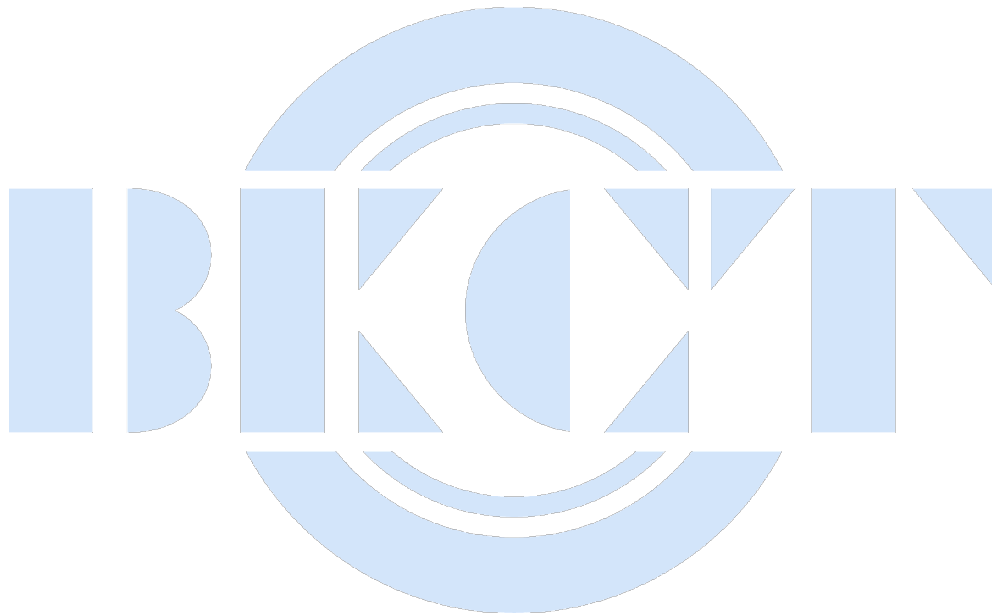
8.4.Test Result

Test plot please see the attachment for 2.4GWIFI data.

9. Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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. This product has an integrated antenna fulfill the requirement of this section.

According to the , 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. This product has an integrated antenna fulfill the requirement of this section.



10. Test Photographs

Please see the attachment for Appendix I Test Photos.

Appendix II: Photos of the EUT

Please see the attachment for Appendix II External Photos and Appendix II Internal Photos.

***** END OF REPORT *****

