

TEST REPORT

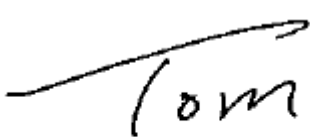
Applicant	Sangean Electronics Inc
Address	No 18, Lane 7, Li-De Street, Chung Ho District, New Taipei City, Taiwan

Manufacturer or Supplier	SANGEAN ELECTRONICS (DONGGUAN) LIMITED
Address	No.1 Riverside street, Shishuikou section, Lianhu Road, Qiaotou town, Dongguan city, Guangdong province P.R.C
Product	INTERNET RADIO/INTERNET DAB/AUX/ BLUETOOTH/SPOTIFY CONNECT/CLOUD MUSIC/AIRMUSIC APP DIGITAL WOODEN RADIO
Brand Name	SANGEAN
Model	WFR-32
Additional Model & Model Difference	N/A
Date of tests	Sep. 29, 2020 ~ Feb. 04, 2021

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

☒ **FCC Part 15, Subpart C, Section 15.247**

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

Tested by Tom Chen Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Jul. 22, 2021

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <https://www.cps.bureauveritas.com/terms-conditions> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 SUMMARY OF TEST RESULTS.....	5
2 MEASUREMENT UNCERTAINTY	5
3 GENERAL INFORMATION	6
3.1 GENERAL DESCRIPTION OF EUT.....	6
3.2 DESCRIPTION OF TEST MODES.....	7
3.2.1 CONFIGURATION OF SYSTEM UNDER TEST	8
3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL.....	8
3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS.....	10
3.4 DESCRIPTION OF SUPPORT UNITS.....	10
4 TEST TYPES AND RESULTS.....	11
4.1. CONDUCTED EMISSION MEASUREMENT	11
4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	11
4.1.2 TEST INSTRUMENTS.....	11
4.1.3 TEST PROCEDURES	12
4.1.4 DEVIATION FROM TEST STANDARD	12
4.1.5 TEST SETUP.....	13
4.1.6 EUT OPERATING CONDITIONS	13
4.1.7 TEST RESULTS	14
4.2. RADIATED EMISSION MEASUREMENT	16
4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	16
4.2.2 TEST INSTRUMENTS.....	17
4.2.3 TEST PROCEDURES	18
4.2.4 DEVIATION FROM TEST STANDARD	19
4.2.5 TEST SETUP.....	19
4.2.6 EUT OPERATING CONDITIONS	20
4.2.7 TEST RESULTS	21
4.3 6dB BANDWIDTH MEASUREMENT	35
4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT	35
4.3.2 TEST INSTRUMENTS.....	35
4.3.3 TEST PROCEDURE.....	35
4.3.4 DEVIATION FROM TEST STANDARD	36
4.3.5 TEST SETUP.....	36
4.3.6 EUT OPERATING CONDITIONS	36
4.3.7 TEST RESULTS	37

4.4	CONDUCTED OUTPUT POWER	42
4.4.1	LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT	42
4.4.2	TEST SETUP	42
4.4.3	TEST INSTRUMENTS	42
4.4.4	TEST PROCEDURES	43
4.4.5	DEVIATION FROM TEST STANDARD	43
4.4.6	EUT OPERATING CONDITIONS	43
4.4.7	TEST RESULTS	44
4.5	POWER SPECTRAL DENSITY MEASUREMENT	46
4.5.1	LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT	46
4.5.2	TEST SETUP	46
4.5.3	TEST INSTRUMENTS	46
4.5.4	TEST PROCEDURE	46
4.5.5	DEVIATION FROM TEST STANDARD	46
4.5.6	EUT OPERATING CONDITION	47
4.5.7	TEST RESULTS	47
4.6	OUT OF BAND EMISSION MEASUREMENT	49
4.6.1	LIMITS OF OUT OF BAND EMISSION MEASUREMENT	49
4.6.2	TEST SETUP	49
4.6.3	TEST INSTRUMENTS	49
4.6.4	TEST PROCEDURE	49
4.6.5	DEVIATION FROM TEST STANDARD	50
4.6.6	EUT OPERATING CONDITION	50
4.6.7	TEST RESULTS	51
5	PHOTOGRAPHS OF THE TEST CONFIGURATION	57
6	APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB	58



Test Report No.: RF2009WDG0226-2

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2009WDG0226-2	Original release	Jul. 22, 2021

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
15.207	AC Power Conducted Emission	PASS	Meet the requirement of limit.
15.247(d) 15.209	Radiated Emissions	PASS	Meet the requirement of limit.
15.247(d)	Band Edge Measurement	PASS	Meet the requirement of limit.
15.247(a)(2)	6dB bandwidth	PASS	Meet the requirement of limit.
15.247(b)	Conducted Output power	PASS	Meet the requirement of limit.
15.247(e)	Power Spectral Density	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is i-pex not a standard connector.

2 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.70dB
Radiated emissions	9KHz ~ 30MHz	2.16dB
	30MHz ~ 1GMHz	3.82dB
	1GHz ~ 18GHz	4.94dB
	18GHz ~ 40GHz	5.07dB

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

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	INTERNET RADIO/INTERNET DAB/AUX/ BLUETOOTH/SPOTIFY CONNECT/CLOUD MUSIC/AIRMUSIC APP DIGITAL WOODEN RADIO
MODEL NO.	WFR-32
ADDITIONAL NO.	N/A
FCC ID	BYG-WFR32
NOMINAL VOLTAGE	DC 9V 2.5A 22.5W from Adapter input AC 100-240V 50/60Hz 0.68A Max
MODULATION TECHNOLOGY	DSSS, OFDM
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
OPERATING FREQUENCY	2412-2462MHz for 11b/g/n(HT20) 2422-2452MHz for 11n(HT40)
PEAK OUTPUT POWER	77.804 mW(Maximum)
ANTENNA TYPE	Integral Antenna, with 2.55dBi gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

NOTES:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.
2. Please refer to the EUT photo document (Reference No.: 2009WDG0226) for detailed product photo.
3. The EUT provides completed transmitters and receivers:

MODULATION MODE	FUNCTION
802.11b	1TX/1RX
802.11g	1TX/1RX
802.11n (HT20)	1TX/1RX
802.11n (HT40)	1TX/1RX

4. The EUT can be powered by adapter as list as following

ADAPTER	
BRAND:	SANGEAN
MODEL:	HKP18-0902500dU
INPUT:	AC 100-240V, 50/60HZ 0.68A, Max.
OUTPUT:	DC 9V 2.5A 22.5W
AC LINE:	Unshielded, Non-detachable, 1.5m

3.2 DESCRIPTION OF TEST MODES

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

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

7 channels are provided for 802.11n (HT40):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
3	2422MHz	7	2442MHz
4	2427MHz	8	2447MHz
5	2432MHz	9	2452MHz
6	2437MHz		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photographs of the test configuration for reference.

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, power supply voltage range and antenna ports. The worst case was found when positioned on X axis for radiated emission. Following test modes were selected for the final test, and the final worst case is marked in boldface and recorded in the report:

EUT CONFIGURE MODE	APPLICABLE TO				MODE
	RE<1G	RE≥1G	PLC	APCM	
A	√	√	√	√	Powered by Adapter with WIFI link

Where **RE<1G**: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz

APCM: Antenna Port Conducted Measurement

POWER LINE CONDUCTED EMISSION TEST:

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

EUT CONFIGURE MODE	TESTED CONDITION
A	WIFI (2.4G) Link

RADIATED EMISSION TEST (BELOW 1GHz):

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1	DSSS	DBPSK	1.0

For the test results, only the worst case was shown in test report.

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

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

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	802.11n HT40	3 to 9	3, 9	OFDM	BPSK	13.5

ANTENNA PORT CONDUCTED MEASUREMENT:

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1.0
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6.0
A	802.11n HT20	1 to 11	1, 6, 11	OFDM	BPSK	6.5
A	802.11n HT40	3 to 9	3, 6, 9	OFDM	BPSK	13.5

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER(POE)	TESTED BY
RE<1G	25deg. C, 53%RH	AC 120V/60Hz	Ming Bai
RE≥1G	25deg. C, 53%RH	AC 120V/60Hz	Ming Bai
PLC	20deg. C, 56%RH	AC 120V/60Hz	Daniel
APCM	25deg. C, 60%RH	AC 120V/60Hz	Daniel

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C, Section 15.247

KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10-2013

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

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit without any other necessary accessory or support units.

4 TEST TYPES AND RESULTS

4.1. CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

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

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

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 17,21
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Mar. 17,21
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Sep. 23,21
Test software	ADT	ADT_Cond_V7.3.7	N/A	N/A

- NOTES:**
1. The test was performed in shielded room 553.
 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

4.1.3 TEST PROCEDURES

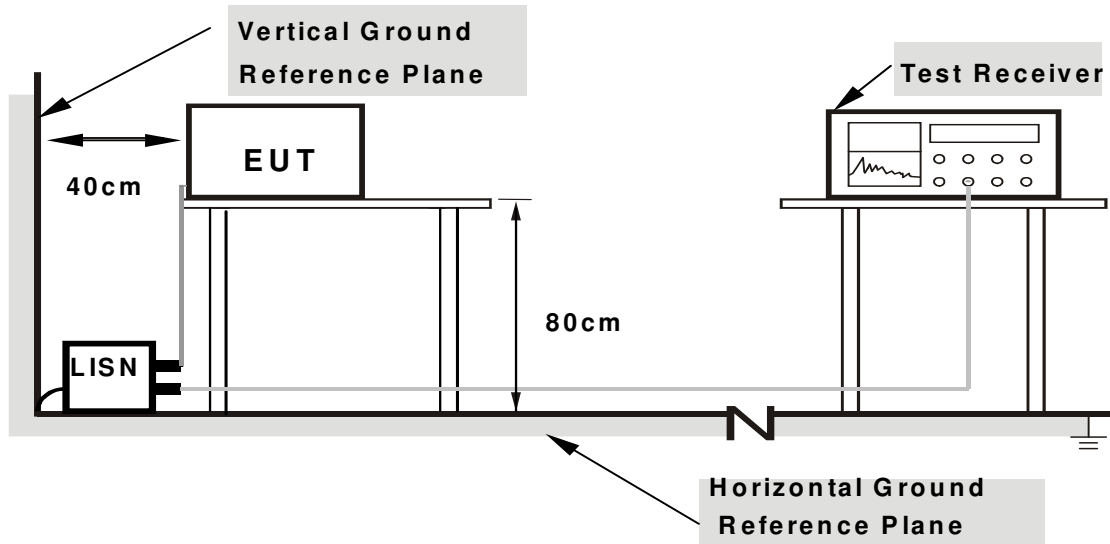
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

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

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



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

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

4.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power and connected of all equipment.
- b. EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

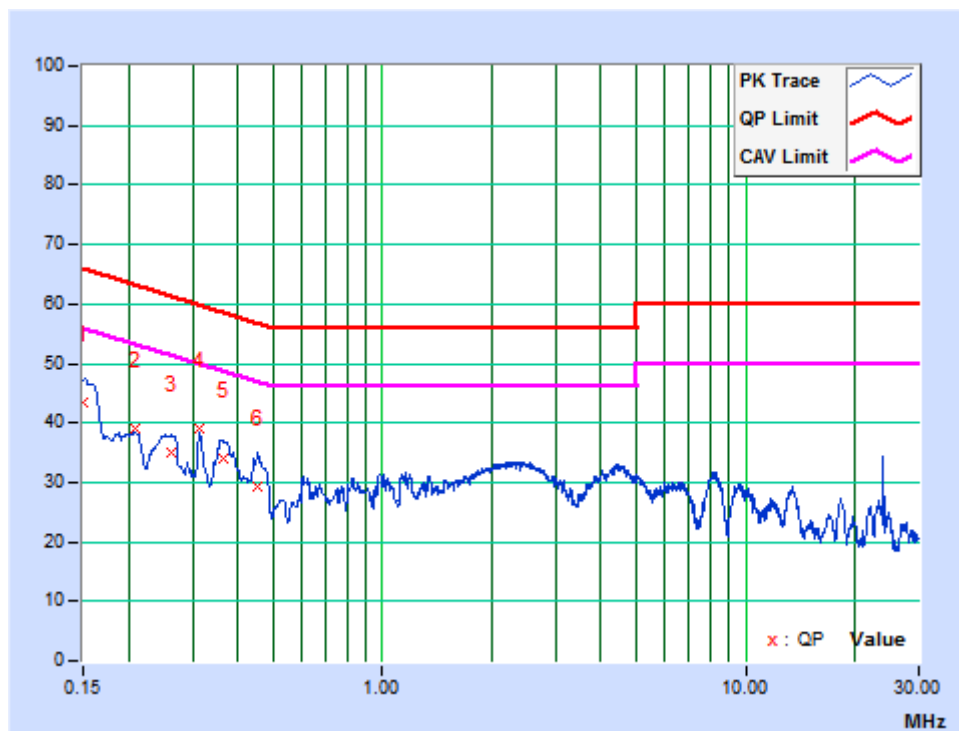
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA: WIFI

PHASE	Line	6dB BANDWIDTH	9kHz
-------	------	---------------	------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.77	33.83	16.00	43.60	25.77	66.00	56.00	-22.40	-30.23
2	0.20791	9.78	29.35	16.75	39.13	26.53	63.29	53.29	-24.16	-26.76
3	0.26159	9.80	25.07	15.03	34.87	24.83	61.38	51.38	-26.51	-26.55
4	0.31470	9.83	29.06	23.53	38.89	33.36	59.85	49.85	-20.96	-16.49
5	0.36388	9.84	24.18	17.23	34.02	27.07	58.64	48.64	-24.62	-21.57
6	0.45185	9.86	19.54	5.90	29.40	15.76	56.84	46.84	-27.44	-31.08

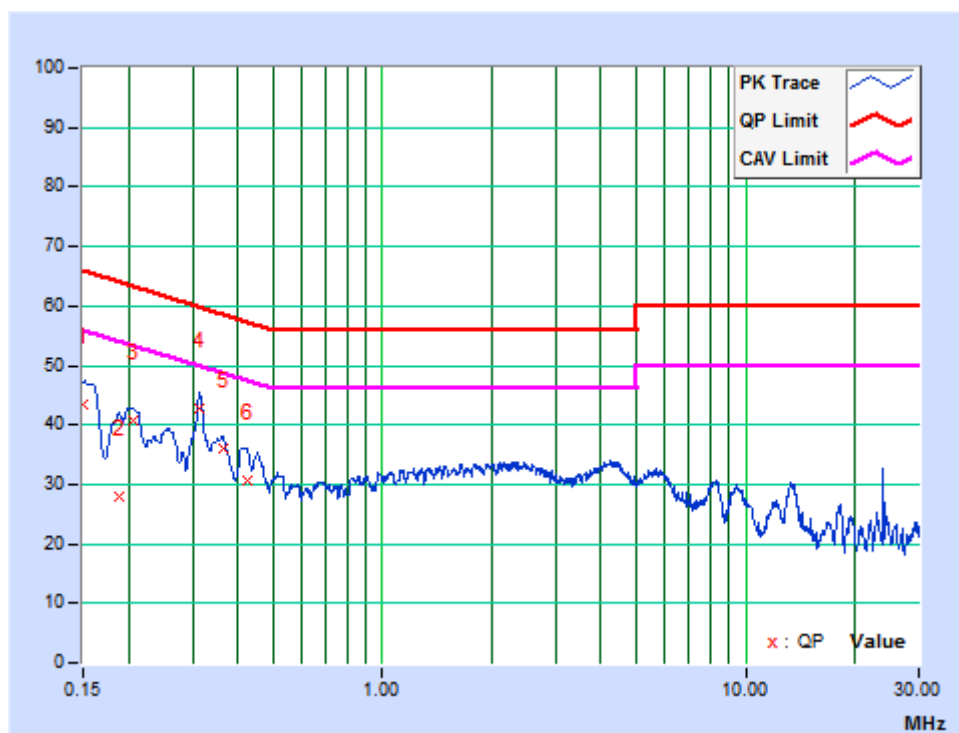
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value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



PHASE	Neutral	6dB BANDWIDTH	9kHz
-------	---------	---------------	------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.70	33.81	18.34	43.51	28.04	66.00	56.00	-22.49	-27.96
2	0.18825	9.71	18.11	-2.24	27.82	7.47	64.11	54.11	-36.29	-46.64
3	0.20625	9.71	31.16	22.06	40.87	31.77	63.35	53.35	-22.48	-21.58
4	0.31387	9.77	33.11	27.43	42.88	37.20	59.87	49.87	-16.99	-12.67
5	0.36292	9.78	26.37	18.30	36.15	28.08	58.66	48.66	-22.51	-20.58
6	0.42298	9.80	20.97	7.84	30.77	17.64	57.39	47.39	-26.62	-29.75

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



4.2. RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

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).

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTES:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	May 13, 21
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	May 27,21
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Mar. 14,21
Bilog Antenna (20MHz -2GHz)	Teseq	CBL 6111D	30643	May 29,21
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	00062558	May 29,21
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	May 09, 21
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 22,21
Test Software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	May 08,21
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Mar. 03,21
Test Software	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	May 19,21

NOTES:

1. The test was performed in 966 Chamber.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 749762.

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.
- g. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTES:

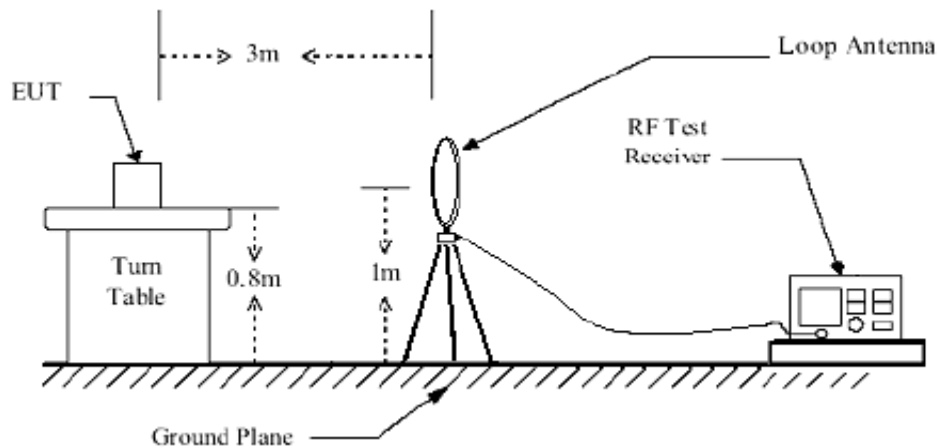
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes, the worst-case test configuration was reported on the file test setup photo.

4.2.4 DEVIATION FROM TEST STANDARD

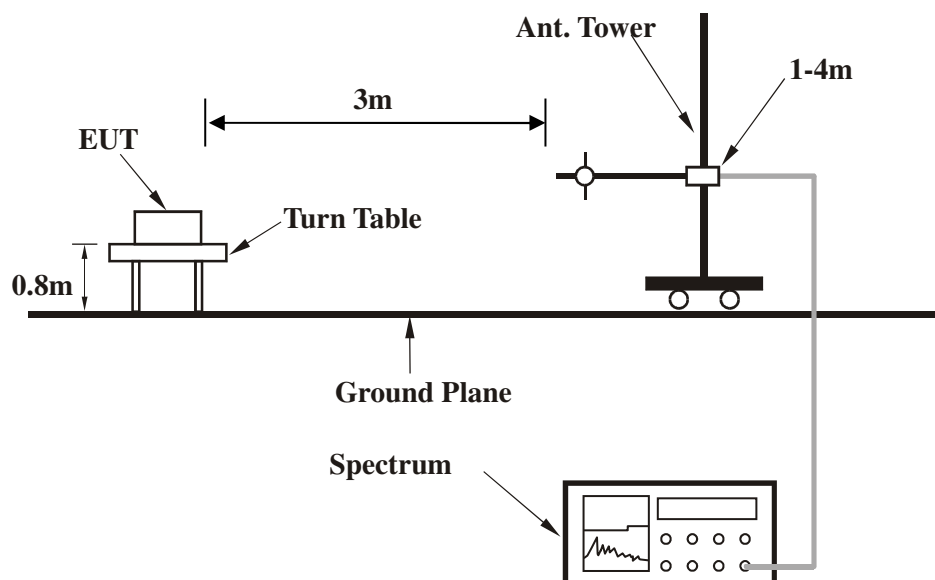
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup

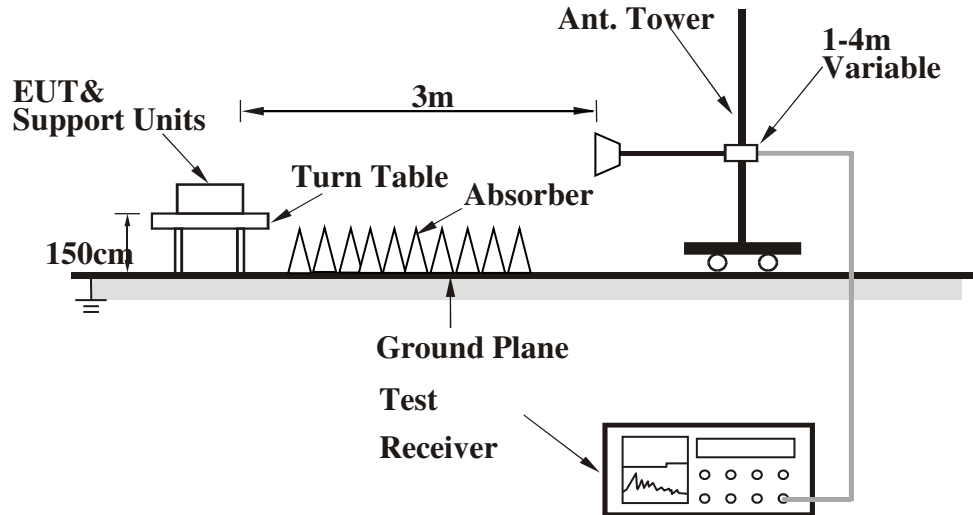


Below 1GHz test setup



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

Above 1GHz test setup



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

4.2.6 EUT OPERATING CONDITIONS

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

4.2.7 TEST RESULTS

BELOW 1GHz WORST-CASE DATA:

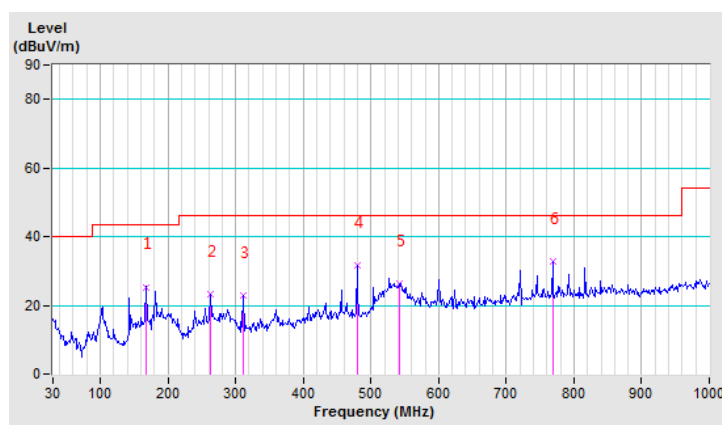
802.11b

CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	168.35	25.32 QP	43.50	-18.18	1.00 H	321	43.18	-17.86
2	263.17	23.37 QP	46.00	-22.63	1.00 H	311	39.11	-15.74
3	311.36	22.95 QP	46.00	-23.05	1.00 H	301	36.88	-13.93
4	479.25	31.48 QP	46.00	-14.52	1.00 H	290	41.57	-10.09
5	541.43	26.46 QP	46.00	-19.54	1.00 H	280	34.52	-8.06
6	768.38	32.63 QP	46.00	-13.37	1.00 H	264	36.20	-3.57

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

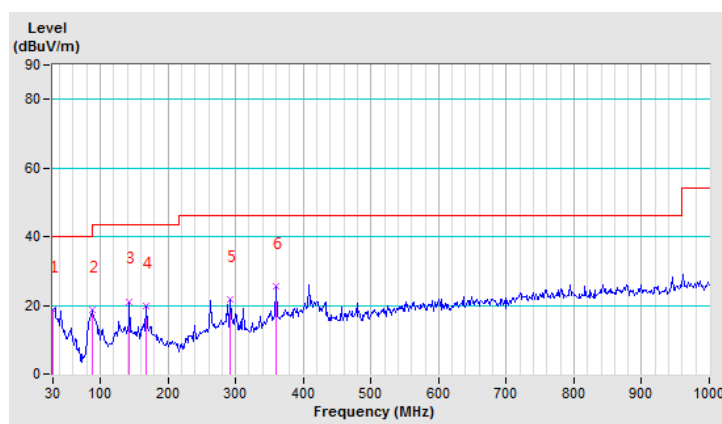


CHANNEL	TX Channel 1	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	18.79 QP	40.00	-21.21	1.00 V	61	30.93	-12.14
2	89.07	18.69 QP	43.50	-24.81	1.00 V	46	39.67	-20.98
3	143.48	21.15 QP	43.50	-22.35	1.00 V	34	39.38	-18.23
4	168.35	19.87 QP	43.50	-23.63	1.00 V	23	37.73	-17.86
5	292.71	21.56 QP	46.00	-24.44	1.00 V	12	36.22	-14.66
6	359.55	25.67 QP	46.00	-20.33	1.00 V	2	38.08	-12.41

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz DATA
802.11b

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.97 PK	74.00	-20.03	1.63 H	78	48.91	5.06
2	2390.00	43.87 AV	54.00	-10.13	1.63 H	78	38.81	5.06
3	*2412.00	103.39 PK			1.63 H	78	97.84	5.55
4	*2412.00	99.01 AV			1.63 H	78	93.46	5.55
5	4824.00	50.69 PK	74.00	-23.31	1.00 H	160	40.00	10.69
6	4824.00	40.73 AV	54.00	-13.27	1.00 H	160	30.04	10.69
7	#7236.00	57.37 PK	74.00	-16.63	1.00 H	160	40.42	16.95
8	#7236.00	45.83 AV	54.00	-8.17	1.00 H	160	28.88	16.95
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.87 PK	74.00	-20.13	1.79 V	187	48.81	5.06
2	2390.00	44.09 AV	54.00	-9.91	1.79 V	187	39.03	5.06
3	*2412.00	104.96 PK			1.79 V	187	99.77	5.19
4	*2412.00	100.59 AV			1.79 V	187	95.40	5.19
5	4824.00	51.39 PK	74.00	-22.61	1.00 V	231	40.70	10.69
6	4824.00	40.98 AV	54.00	-13.02	1.00 V	231	30.29	10.69
7	#7236.00	56.97 PK	74.00	-17.03	1.00 V	231	40.02	16.95
8	#7236.00	45.37 AV	54.00	-8.63	1.00 V	231	28.42	16.95

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	102.34 PK			1.49 H	126	97.02	5.32
2	*2437.00	98.64 AV			1.49 H	126	93.32	5.32
3	4874.00	52.34 PK	74.00	-21.66	1.00 H	226	41.44	10.90
4	4874.00	40.36 AV	54.00	-13.64	1.00 H	226	29.46	10.90
5	7311.00	56.66 PK	74.00	-17.34	1.00 H	98	39.50	17.16
6	7311.00	45.47 AV	54.00	-8.53	1.00 H	98	28.31	17.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	103.59 PK			1.04 V	185	98.27	5.32
2	*2437.00	99.87 AV			1.04 V	185	94.55	5.32
3	4874.00	52.34 PK	74.00	-21.66	1.00 V	155	41.44	10.90
4	4874.00	41.66 AV	54.00	-12.34	1.00 V	155	30.76	10.90
5	7311.00	56.35 PK	74.00	-17.65	1.00 V	130	39.19	17.16
6	7311.00	46.15 AV	54.00	-7.85	1.00 V	130	28.99	17.16

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	97.73 PK			1.00 H	125	92.22	5.51
2	*2462.00	93.23 AV			1.00 H	125	87.72	5.51
3	2483.50	52.73 PK	74.00	-21.27	1.00 H	125	47.16	5.57
4	2483.50	40.19 AV	54.00	-13.81	1.00 H	125	34.62	5.57
5	4924.00	52.34 PK	74.00	-21.66	1.00 H	282	41.17	11.17
6	4924.00	41.69 AV	54.00	-12.31	1.00 H	282	30.52	11.17
7	7416.00	56.95 PK	74.00	-17.05	1.00 H	282	39.50	17.45
8	7416.00	45.74 AV	54.00	-8.26	1.00 H	282	28.29	17.45
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	97.71 PK			1.69 V	264	92.16	5.55
2	*2462.00	93.24 AV			1.69 V	264	87.69	5.55
3	2483.50	52.13 PK	74.00	-21.87	1.69 V	264	46.56	5.57
4	2483.50	40.47 AV	54.00	-13.53	1.69 V	264	34.90	5.57
5	4924.00	52.36 PK	74.00	-21.64	1.00 V	219	41.19	11.17
6	4924.00	41.26 AV	54.00	-12.74	1.00 V	219	30.09	11.17
7	7416.00	56.36 PK	74.00	-17.64	1.00 V	219	38.91	17.45
8	7416.00	46.95 AV	54.00	-7.05	1.00 V	219	29.50	17.45

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. "*" : Fundamental frequency.

802.11g

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.31 PK	74.00	-15.69	1.67 H	180	53.25	5.06
2	2390.00	41.01 AV	54.00	-12.99	1.67 H	180	35.95	5.06
3	*2412.00	102.13 PK			1.67 H	180	96.94	5.19
4	*2412.00	91.78 AV			1.67 H	180	86.59	5.19
5	4824.00	51.72 PK	74.00	-22.28	1.00 H	150	41.03	10.69
6	4824.00	41.39 AV	54.00	-12.61	1.00 H	150	30.70	10.69
7	#7236.00	56.17 PK	74.00	-17.83	1.00 H	284	39.22	16.95
8	#7236.00	45.22 AV	54.00	-8.78	1.00 H	284	28.27	16.95
9	9468.00	62.67 PK	74.00	-11.33	1.00 H	284	42.59	20.08
10	9468.00	52.56 AV	54.00	-1.44	1.00 H	284	32.48	20.08
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	57.06 PK	74.00	-16.94	1.93 V	162	52.00	5.06
2	2390.00	40.59 AV	54.00	-13.41	1.93 V	162	35.53	5.06
3	*2412.00	101.04 PK			1.93 V	162	95.85	5.19
4	*2412.00	90.76 AV			1.93 V	162	85.57	5.19
5	4824.00	51.26 PK	74.00	-22.74	1.00 V	235	40.57	10.69
6	4824.00	41.36 AV	54.00	-12.64	1.00 V	235	30.67	10.69
7	#7236.00	56.36 PK	74.00	-17.64	1.00 V	235	39.41	16.95
8	#7236.00	45.26 AV	54.00	-8.74	1.00 V	235	28.31	16.95
9	#9648.00	62.11 PK	74.00	-11.89	1.00 V	220	42.32	19.79
10	#9648.00	50.31 AV	54.00	-3.69	1.00 V	220	30.52	19.79

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	97.81 PK			1.21 H	161	92.49	5.32
2	*2437.00	87.21 AV			1.21 H	161	81.89	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 H	156	41.46	10.90
4	4874.00	41.15 AV	54.00	-12.85	1.00 H	156	30.25	10.90
5	7311.00	56.26 PK	74.00	-17.74	1.00 H	166	39.10	17.16
6	7311.00	45.26 AV	54.00	-8.74	1.00 H	166	28.10	17.16
7	9748.00	62.34 PK	74.00	-11.66	1.00 H	110	42.82	19.52
8	9748.00	50.49 AV	54.00	-3.51	1.00 H	110	30.97	19.52
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	96.26 PK			1.00 V	162	90.94	5.32
2	*2437.00	86.15 AV			1.00 V	162	80.83	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 V	188	41.46	10.90
4	4874.00	41.69 AV	54.00	-12.31	1.00 V	188	30.79	10.90
5	7311.00	56.26 PK	74.00	-17.74	1.00 V	220	39.10	17.16
6	7311.00	45.80 AV	54.00	-8.20	1.00 V	220	28.64	17.16

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	94.71 PK			1.00 H	130	89.20	5.51
2	*2462.00	84.16 AV			1.00 H	130	78.65	5.51
3	2483.50	67.01 PK	74.00	-6.99	1.00 H	130	61.44	5.57
4	2483.50	44.46 AV	54.00	-9.54	1.00 H	130	38.89	5.57
5	4924.00	51.33 PK	74.00	-22.67	1.00 H	282	40.16	11.17
6	4924.00	38.85 AV	54.00	-15.15	1.00 H	282	27.68	11.17
7	7416.00	56.69 PK	74.00	-17.31	1.00 H	282	39.24	17.45
8	7416.00	45.94 AV	54.00	-8.06	1.00 H	282	28.49	17.45
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	95.10 PK			1.98 V	95	89.59	5.51
2	*2462.00	84.52 AV			1.98 V	95	79.01	5.51
3	2483.50	67.33 PK	74.00	-6.67	1.98 V	95	61.76	5.57
4	2483.50	45.65 AV	54.00	-8.35	1.98 V	95	40.08	5.57
5	4924.00	51.36 PK	74.00	-22.64	1.00 V	223	40.19	11.17
6	4924.00	41.33 AV	54.00	-12.67	1.00 V	223	30.16	11.17
7	7416.00	56.36 PK	74.00	-17.64	1.00 V	223	38.91	17.45
8	7416.00	45.91 AV	54.00	-8.09	1.00 V	223	28.46	17.45

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

802.11n HT20

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2383.50	61.33 PK	74.00	-12.67	1.65 H	138	55.76	5.57
2	2383.50	41.82 AV	54.00	-12.18	1.65 H	138	36.25	5.57
3	*2412.00	101.17 PK			1.65 H	138	95.66	5.51
4	*2412.00	90.17 AV			1.65 H	138	84.66	5.51
5	4824.00	52.33 PK	74.00	-21.67	1.00 H	286	41.64	10.69
6	4824.00	40.18 AV	54.00	-13.82	1.00 H	286	29.49	10.69
7	#7236.00	52.33 PK	74.00	-21.67	1.00 H	286	35.38	16.95
8	#7236.00	40.18 AV	54.00	-13.82	1.00 H	286	23.23	16.95
9	#9648.00	62.95 PK	74.00	-11.05	1.00 H	220	43.16	19.79
10	#9648.00	53.06 AV	54.00	-0.94	1.00 H	220	33.27	19.79
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.20 PK	74.00	-12.80	1.73 V	183	56.14	5.06
2	2390.00	41.74 AV	54.00	-12.26	1.73 V	183	36.68	5.06
3	*2412.00	100.68 PK			1.73 V	183	95.49	5.19
4	*2412.00	90.12 AV			1.73 V	183	84.93	5.19
5	4824.00	51.13 PK	74.00	-22.87	1.00 V	240	40.44	10.69
6	4824.00	39.37 AV	54.00	-14.63	1.00 V	240	28.68	10.69
7	#7236.00	57.37 PK	74.00	-16.63	1.00 V	240	40.42	16.95
8	#7236.00	45.79 AV	54.00	-8.21	1.00 V	240	28.84	16.95

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	97.45 PK			1.38 H	155	92.13	5.32
2	*2437.00	86.56 AV			1.38 H	155	81.24	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 H	160	41.46	10.90
4	4874.00	41.26 AV	54.00	-12.74	1.00 H	160	30.36	10.90
5	7311.00	56.26 PK	74.00	-17.74	1.00 H	110	39.10	17.16
6	7311.00	46.36 AV	54.00	-7.64	1.00 H	110	29.20	17.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	96.85 PK			1.11 V	186	91.53	5.32
2	*2437.00	85.64 AV			1.11 V	186	80.32	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 V	255	41.46	10.90
4	4874.00	41.36 AV	54.00	-12.64	1.00 V	255	30.46	10.90
5	7311.00	56.98 PK	74.00	-17.02	1.00 V	230	39.82	17.16
6	7311.00	45.98 AV	54.00	-8.02	1.00 V	230	28.82	17.16

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	94.62 PK			1.00 H	131	89.11	5.51
2	*2462.00	83.91 AV			1.00 H	131	78.40	5.51
3	2483.50	68.80 PK	74.00	-5.20	1.00 H	131	63.23	5.57
4	2483.50	47.06 AV	54.00	-6.94	1.00 H	131	41.49	5.57
5	4924.00	53.26 PK	74.00	-20.74	1.00 H	282	42.09	11.17
6	4924.00	41.36 AV	54.00	-12.64	1.00 H	282	30.19	11.17
7	7416.00	57.52 PK	74.00	-16.48	1.00 H	282	40.07	17.45
8	7416.00	46.95 AV	54.00	-7.05	1.00 H	282	29.50	17.45
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	94.33 PK			1.97 V	184	88.82	5.51
2	*2462.00	83.92 AV			1.97 V	184	78.41	5.51
3	2483.50	69.44 PK	74.00	-4.56	1.97 V	184	63.87	5.57
4	2483.50	43.79 AV	54.00	-10.21	1.97 V	184	38.22	5.57
5	4924.00	51.36 PK	74.00	-22.64	1.00 V	249	40.19	11.17
6	4924.00	41.26 AV	54.00	-12.74	1.00 V	249	30.09	11.17
7	7416.00	57.65 PK	74.00	-16.35	1.00 V	249	40.20	17.45
8	7416.00	46.84 AV	54.00	-7.16	1.00 V	249	29.39	17.45

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. "*" : Fundamental frequency.

802.11n HT40

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.27 PK	74.00	-17.73	1.43 H	138	51.21	5.06
2	2390.00	43.04 AV	54.00	-10.96	1.43 H	138	37.98	5.06
3	*2422.00	97.52 PK			1.43 H	138	92.28	5.24
4	*2422.00	87.18 AV			1.43 H	138	81.94	5.24
5	4844.00	52.92 PK	74.00	-21.08	1.00 H	284	42.15	10.77
6	4844.00	41.37 AV	54.00	-12.63	1.00 H	284	30.60	10.77
7	7266.00	57.13 PK	74.00	-16.87	1.00 H	284	40.09	17.04
8	7266.00	46.29 AV	54.00	-7.71	1.00 H	284	29.25	17.04
9	#9688.00	62.36 PK	74.00	-11.64	1.00 H	150	42.69	19.67
10	#9688.00	52.74 AV	54.00	-1.26	1.00 H	150	33.07	19.67
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	53.60 PK	74.00	-20.40	1.23 V	186	48.54	5.06
2	2390.00	40.92 AV	54.00	-13.08	1.23 V	186	35.86	5.06
3	*2422.00	96.08 PK			1.23 V	186	90.84	5.24
4	*2422.00	85.71 AV			1.23 V	186	80.47	5.24
5	4844.00	51.39 PK	74.00	-22.61	1.00 V	333	40.62	10.77
6	4844.00	40.93 AV	54.00	-13.07	1.00 V	333	30.16	10.77
7	7266.00	56.93 PK	74.00	-17.07	1.00 V	333	39.89	17.04
8	7266.00	45.11 AV	54.00	-8.89	1.00 V	333	28.07	17.04

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	95.57 PK			1.43 H	242	90.25	5.32
2	*2437.00	84.86 AV			1.43 H	242	79.54	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 H	150	41.46	10.90
4	4874.00	41.56 AV	54.00	-12.44	1.00 H	150	30.66	10.90
5	7311.00	56.30 PK	74.00	-17.70	1.00 H	115	39.14	17.16
6	7311.00	47.26 AV	54.00	-6.74	1.00 H	115	30.10	17.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	94.59 PK			1.23 V	193	89.27	5.32
2	*2437.00	83.60 AV			1.23 V	193	78.28	5.32
3	4874.00	52.36 PK	74.00	-21.64	1.00 V	155	41.46	10.90
4	4874.00	41.36 AV	54.00	-12.64	1.00 V	155	30.46	10.90
5	7311.00	56.22 PK	74.00	-17.78	1.00 V	160	39.06	17.16
6	7311.00	45.70 AV	54.00	-8.30	1.00 V	160	28.54	17.16

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	92.19 PK			1.00 H	165	86.74	5.45
2	*2452.00	81.85 AV			1.00 H	165	76.40	5.45
3	2483.50	64.01 PK	74.00	-9.99	1.00 H	165	58.44	5.57
4	2483.50	48.31 AV	54.00	-5.69	1.00 H	165	42.74	5.57
5	4924.00	52.54 PK	74.00	-21.46	1.00 H	284	41.45	11.09
6	4924.00	42.56 AV	54.00	-11.44	1.00 H	284	31.47	11.09
7	7386.00	56.36 PK	74.00	-17.64	1.00 H	284	39.00	17.36
8	7386.00	45.29 AV	54.00	-8.71	1.00 H	284	27.93	17.36
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	92.61 PK			1.46 V	163	87.16	5.45
2	*2452.00	82.26 AV			1.46 V	163	76.81	5.45
3	2483.50	64.42 PK	74.00	-9.58	1.46 V	163	58.85	5.57
4	2483.50	48.45 AV	54.00	-5.55	1.46 V	163	42.88	5.57
5	4924.00	50.26 PK	74.00	-23.74	1.00 V	219	39.17	11.09
6	4924.00	39.51 AV	54.00	-14.49	1.00 V	219	28.42	11.09
7	7386.00	57.03 PK	74.00	-16.97	1.00 V	219	39.67	17.36
8	7386.00	46.54 AV	54.00	-7.46	1.00 V	219	29.18	17.36

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

4.3 6dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	May 21,21
Power Sensor	Keysight	U2021XA	MY55060018	May 21,21
Power Meter	Anritsu	ML2495A	1139001	Mar. 11,21
Power Sensor	Anritsu	MA2411B	1531155	Mar. 11,21
Digital Multimeter	FLUKE	15B	A1220010DG	Oct.16, 21
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Nov. 14,21
Oscilloscope	Agilent	DSO9254A	MY51260160	Sep. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 12,21
Signal Generator	Agilent	N5183A	MY50140980	Sep. 18,21
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 11,21
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	May 19,21
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A

NOTES: 1. The test was performed in RF Oven room.

2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

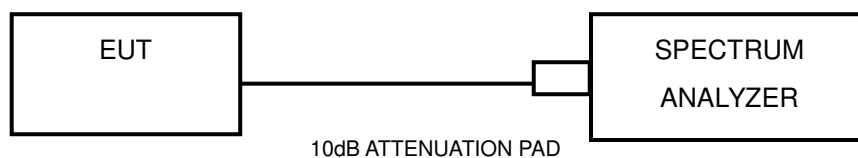
4.3.3 TEST PROCEDURE

1. Set resolution bandwidth (RBW) = 100KHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
3. Trace mode = max hold.
4. Sweep = auto couple.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 TEST RESULTS

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	9.09	0.5	PASS
6	2437	9.11	0.5	PASS
11	2462	9.12	0.5	PASS

802.11g

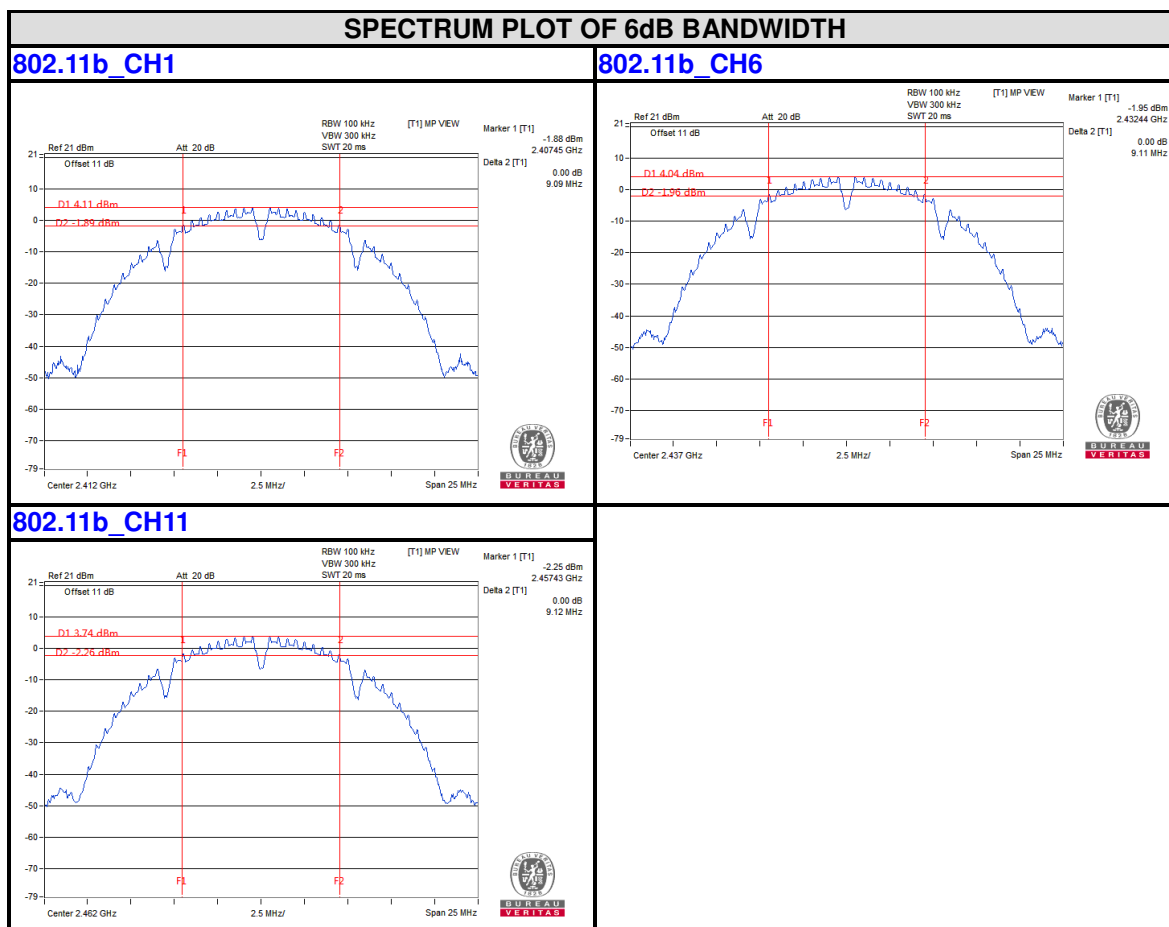
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.63	0.5	PASS
6	2437	16.63	0.5	PASS
11	2462	16.63	0.5	PASS

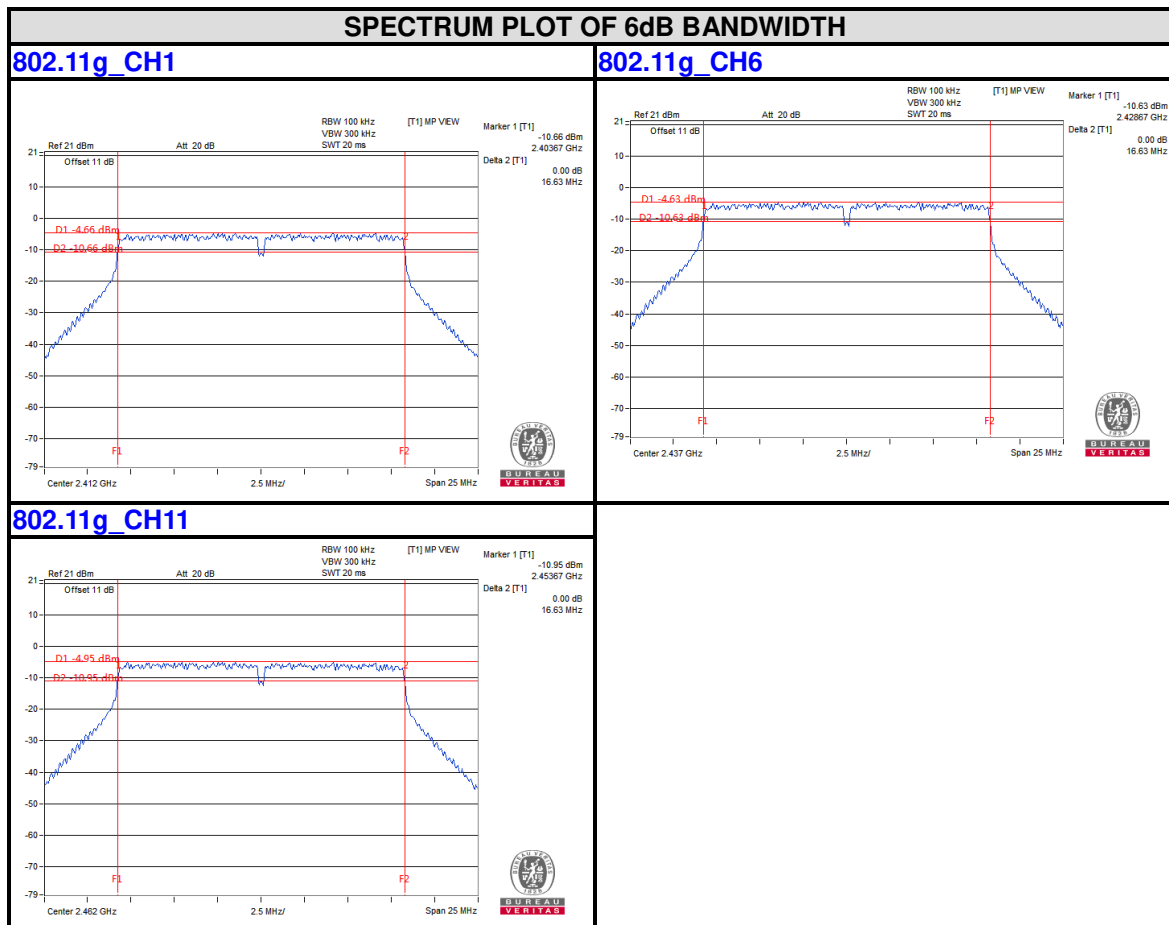
802.11n HT20

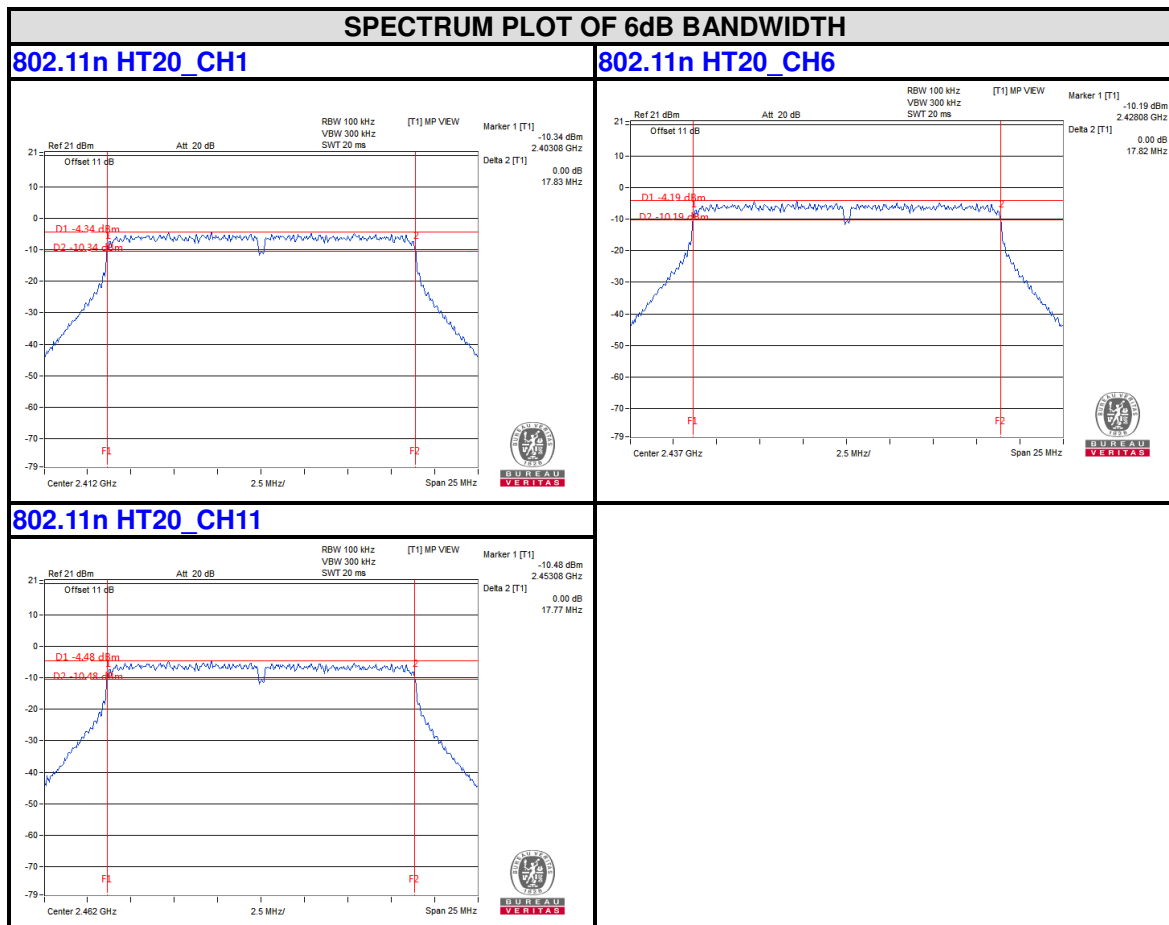
CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.83	0.5	PASS
6	2437	17.82	0.5	PASS
11	2462	17.77	0.5	PASS

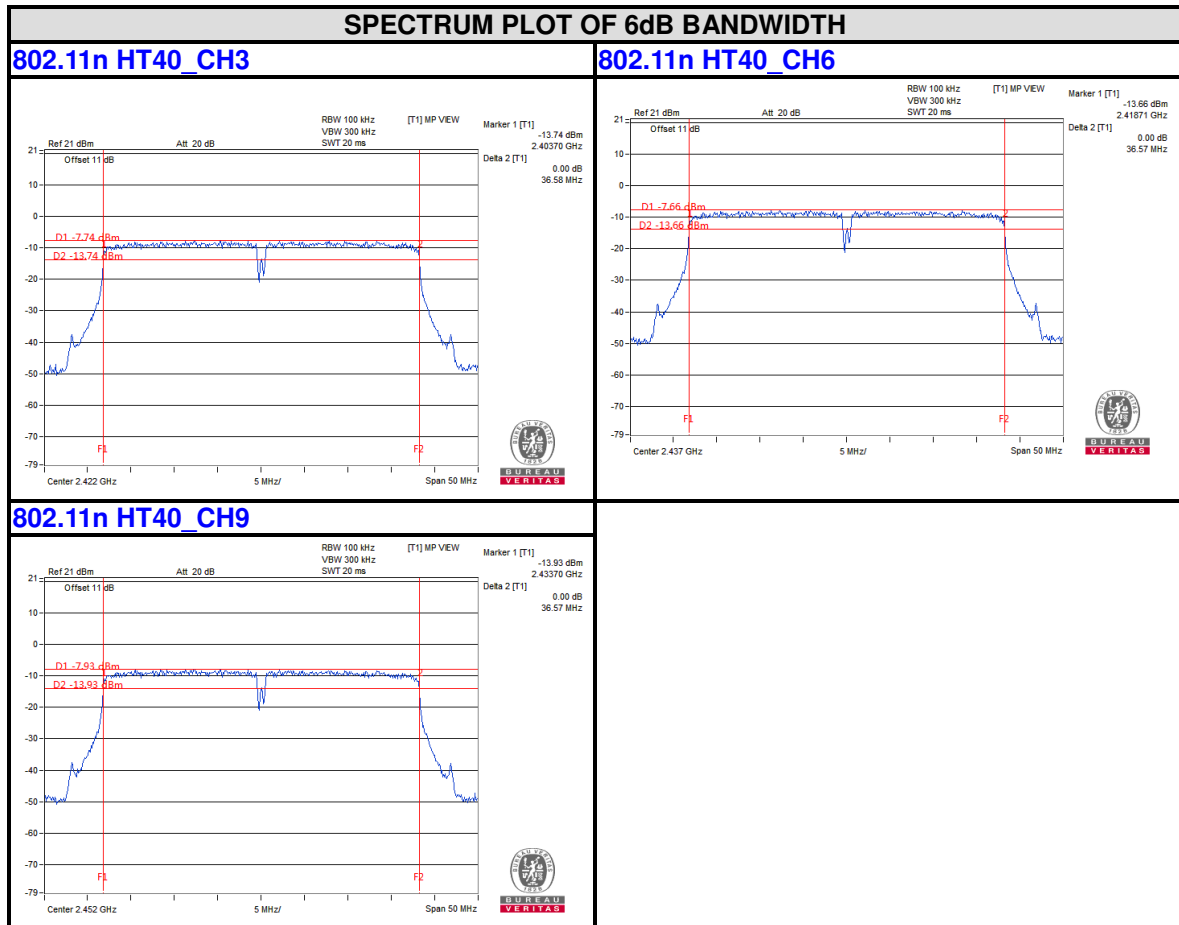
802.11n HT40

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
3	2422	36.58	0.5	PASS
6	2437	36.57	0.5	PASS
9	2452	36.57	0.5	PASS







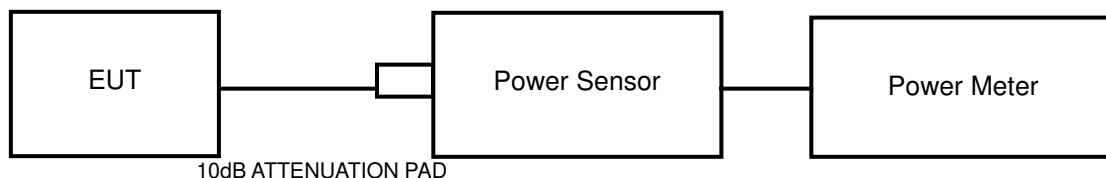


4.4 CONDUCTED OUTPUT POWER

4.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm).

4.4.2 TEST SETUP



4.4.3 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY55060016	May 21,21
Power Sensor	Keysight	U2021XA	MY55060018	May 21,21
Power Meter	Anritsu	ML2495A	1139001	Mar. 11,21
Power Sensor	Anritsu	MA2411B	1531155	Mar. 11,21
Digital Multimeter	FLUKE	15B	A1220010DG	Oct.16, 21
Humid & Temp Programmable Tester	Haida	HD-2257	110807201	Nov. 14,21
Oscilloscope	Agilent	DSO9254A	MY51260160	Sep. 17,21
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101094	Mar. 12,21
Signal Generator	Agilent	N5183A	MY50140980	Sep. 18,21
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Sep. 11,21
BLUETOOTH TESTER	Rohde&Schwarz	CBT32	100811	May 19,21
Attenuator	MINI	BW-S10W2+	S130129FGE2	N/A
DC Source	Keysight	E3642A	MY56146098	N/A

NOTES:

1. The test was performed in RF Oven room.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GREGT/CHINA and NIM/CHINA.

4.4.4 TEST PROCEDURES

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

4.4.5 DEVIATION FROM TEST STANDARD

No deviation.

4.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.4.7 TEST RESULTS

MAXIMUM PEAK OUTPUT POWER

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
1	2412	18.24	66.681	1	PASS
6	2437	18.05	63.826	1	PASS
11	2462	17.72	59.156	1	PASS

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
1	2412	18.82	76.208	1	PASS
6	2437	18.91	77.804	1	PASS
11	2462	18.56	71.779	1	PASS

802.11n HT20

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
1	2412	18.91	77.804	1	PASS
6	2437	18.89	77.446	1	PASS
11	2462	18.57	71.945	1	PASS

802.11n HT40

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT (W)	PASS/FAIL
3	2422	18.79	75.683	1	PASS
6	2437	18.81	76.033	1	PASS
9	2452	18.60	72.444	1	PASS

AVERAGE OUTPUT POWER (FOR REFERENCE)

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

802.11b

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
1	2412	15.11	32.434
6	2437	14.95	31.261
11	2462	14.55	28.51

802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
1	2412	11.08	12.823
6	2437	11.10	12.882
11	2462	10.86	12.19

802.11n HT20

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
1	2412	11.01	12.618
6	2437	11.06	12.764
11	2462	10.65	11.614

802.11n HT40

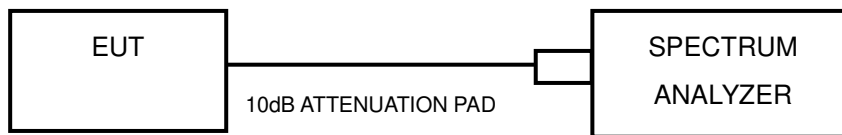
CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	AVG. POWER (mW)
3	2422	10.98	12.531
6	2437	10.92	12.359
9	2452	10.83	12.106

4.5 POWER SPECTRAL DENSITY MEASUREMENT

4.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

4.5.2 TEST SETUP



4.5.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.5.4 TEST PROCEDURE

- Set instrument center frequency to DTS channel center frequency.
- Set span to 1.5 times the DTS bandwidth.
- Set RBW to: 3KHz
- Set VBW $\geq 3 \times$ RBW.
- Detector = peak
- Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- Sweep time = auto couple.
- Use the peak marker function to determine the maximum amplitude level.

4.5.5 DEVIATION FROM TEST STANDARD

No deviation.

4.5.6 EUT OPERATING CONDITION

Same as item 4.3.6.

4.5.7 TEST RESULTS

802.11b

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-15.86	8.00	PASS
6	2437	-15.93	8.00	PASS
11	2462	-16.23	8.00	PASS

802.11g

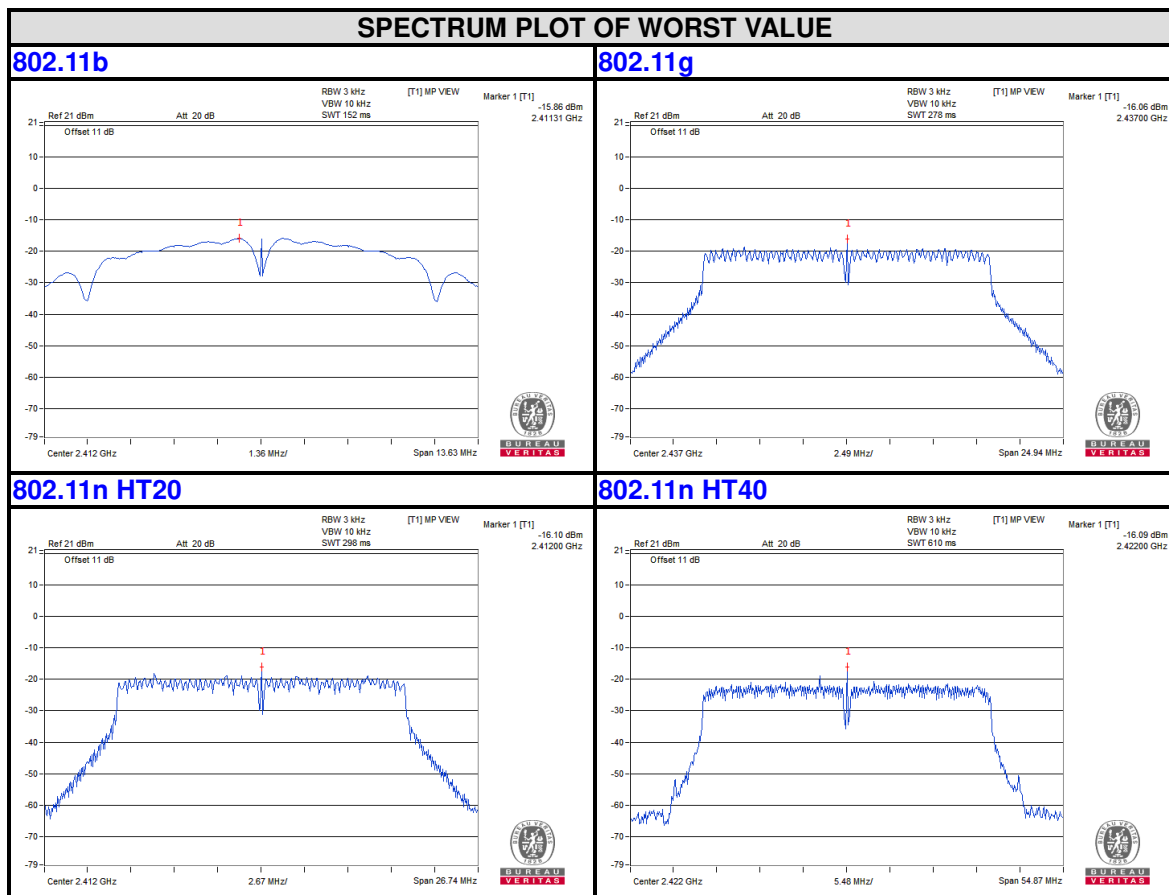
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-16.09	8.00	PASS
6	2437	-16.06	8.00	PASS
11	2462	-16.35	8.00	PASS

802.11n HT20

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-16.10	8.00	PASS
6	2437	-16.15	8.00	PASS
11	2462	-16.40	8.00	PASS

802.11n HT40

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-16.09	8.00	PASS
6	2437	-16.13	8.00	PASS
9	2452	-16.20	8.00	PASS



4.6 OUT OF BAND EMISSION MEASUREMENT

4.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.6.2 TEST SETUP



4.6.3 TEST INSTRUMENTS

Refer to section 4.3.2 to get information of above instrument.

4.6.4 TEST PROCEDURE

Measurement Procedure - Reference Level

1. Set the RBW = 100 kHz.
2. Set the VBW $\geq$ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

Measurement Procedure –Unwanted Emission Level

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

4.6.5 DEVIATION FROM TEST STANDARD

No deviation.

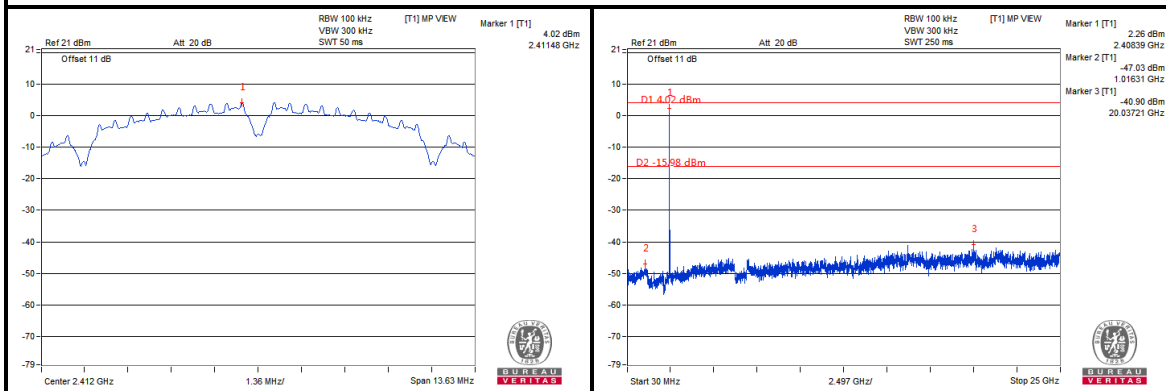
4.6.6 EUT OPERATING CONDITION

Same as item 4.3.6

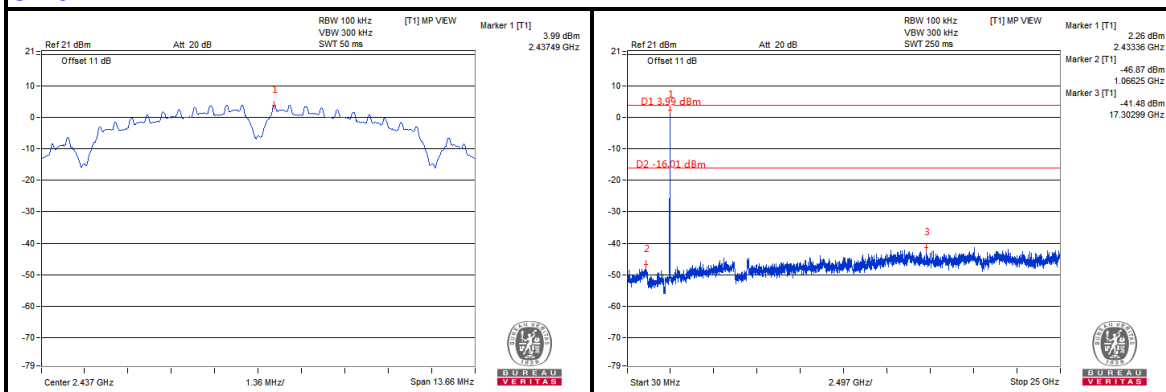
4.6.7 TEST RESULTS

802.11b

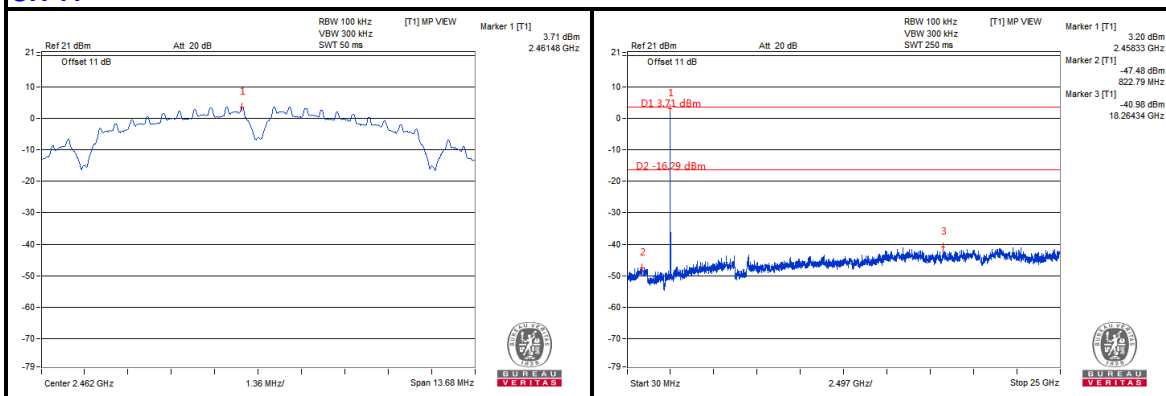
CH 1



CH 6

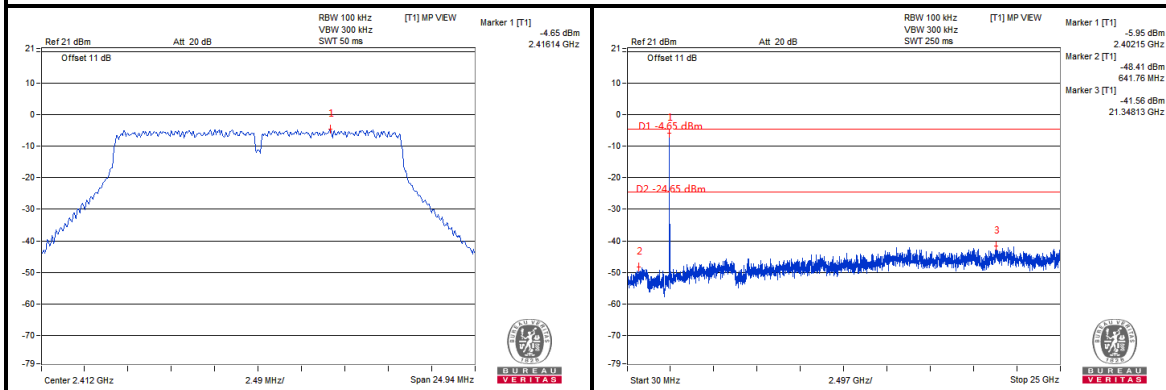


CH 11

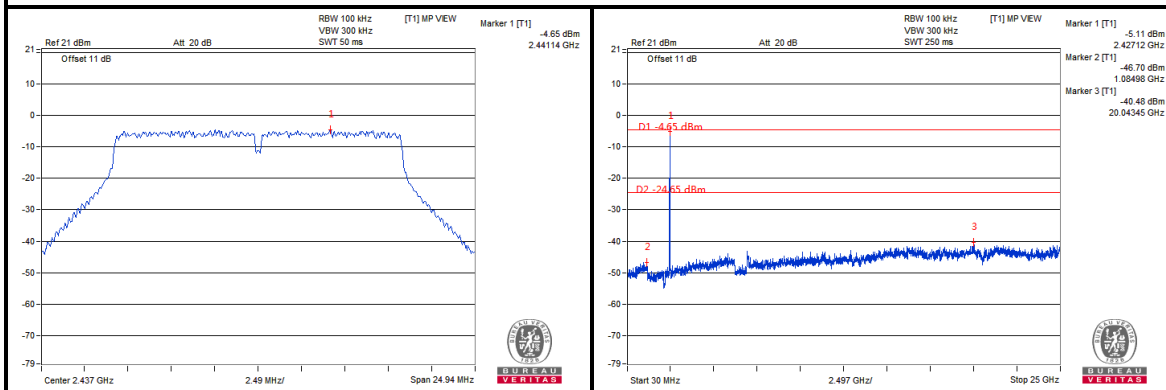


802.11g

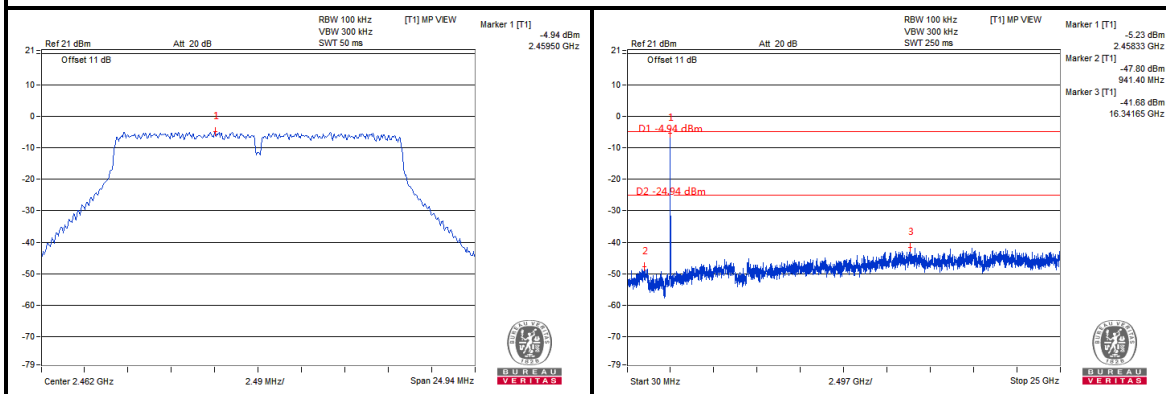
CH 1



CH 6

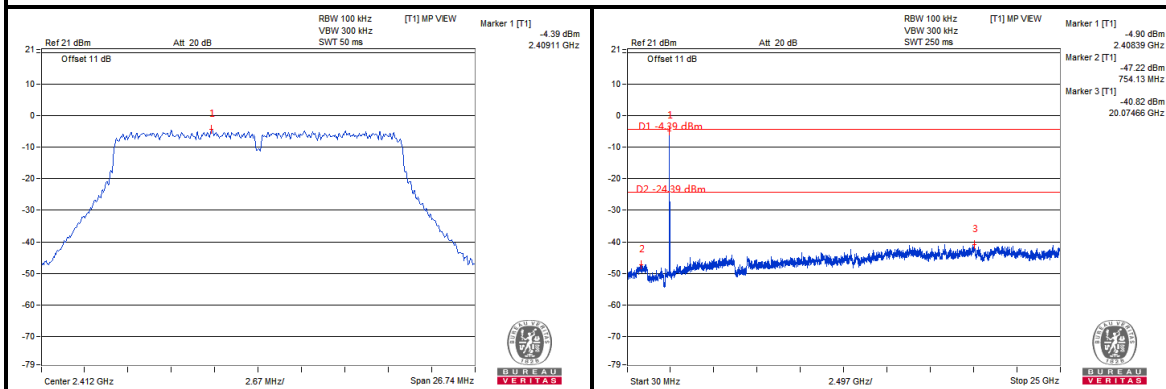


CH 11

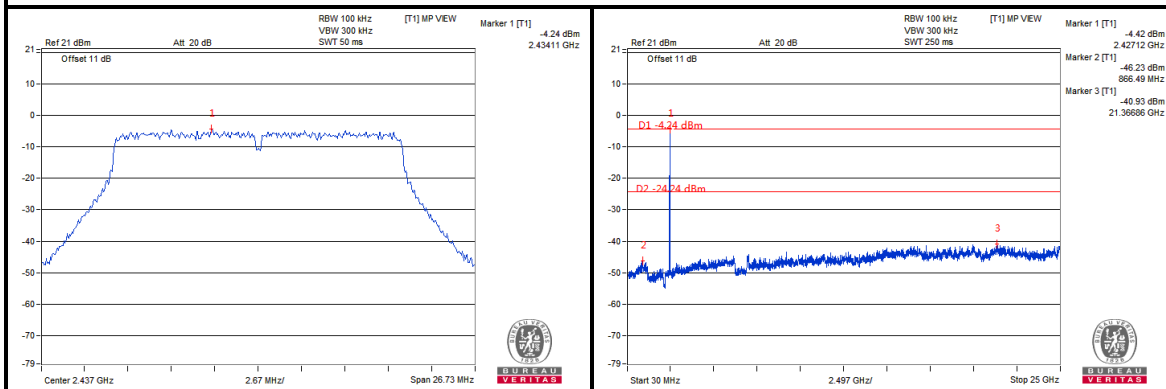


802.11n HT20

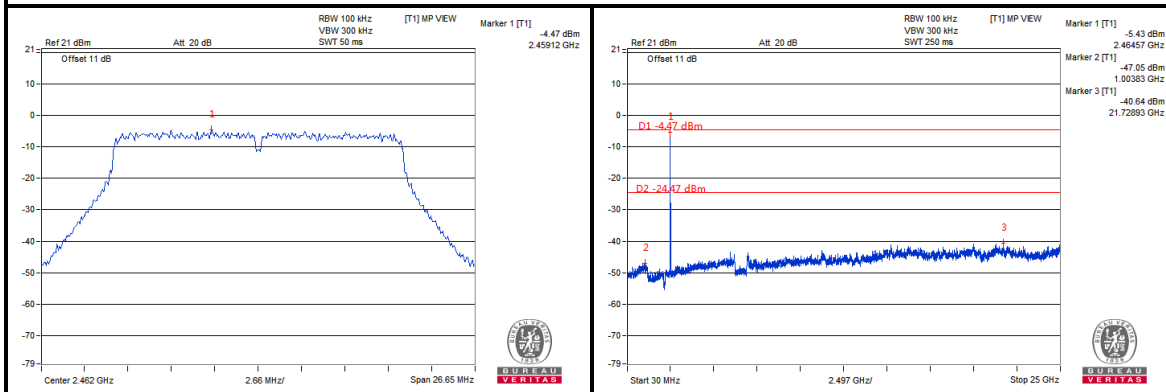
CH 1



CH 6

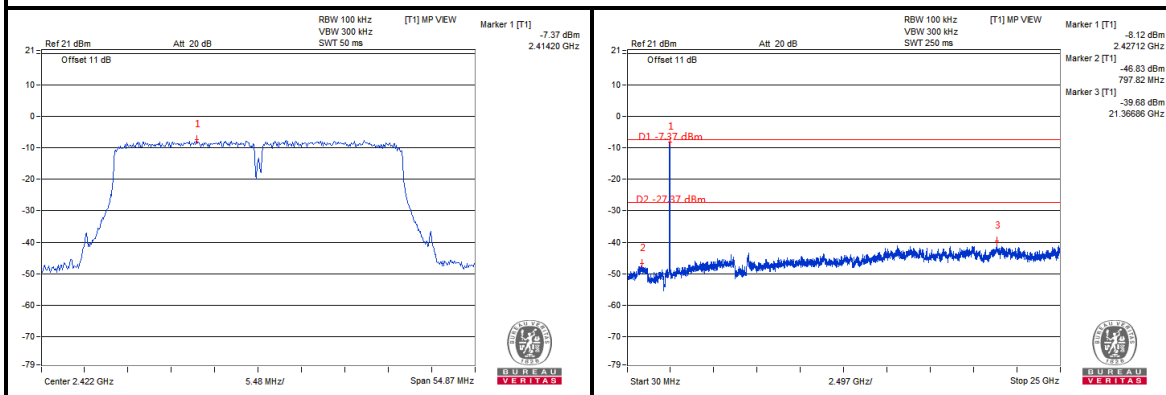


CH 11

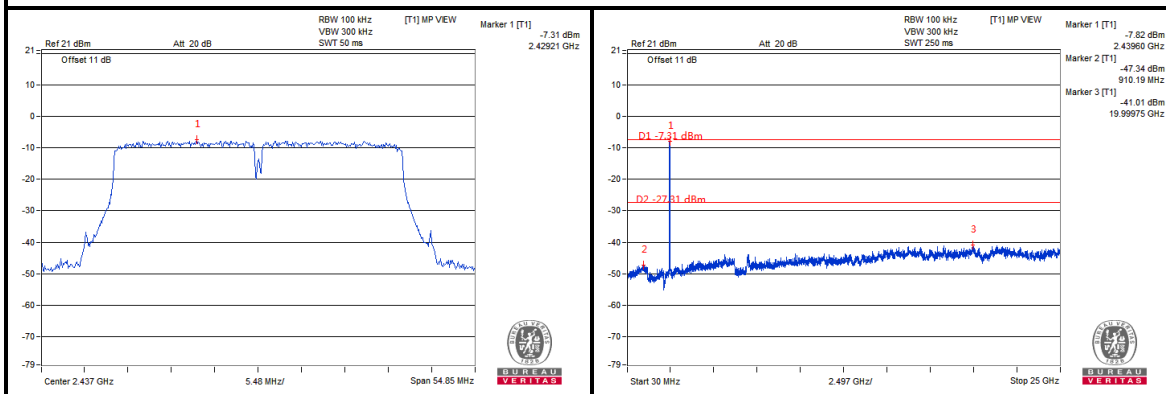


802.11n HT40

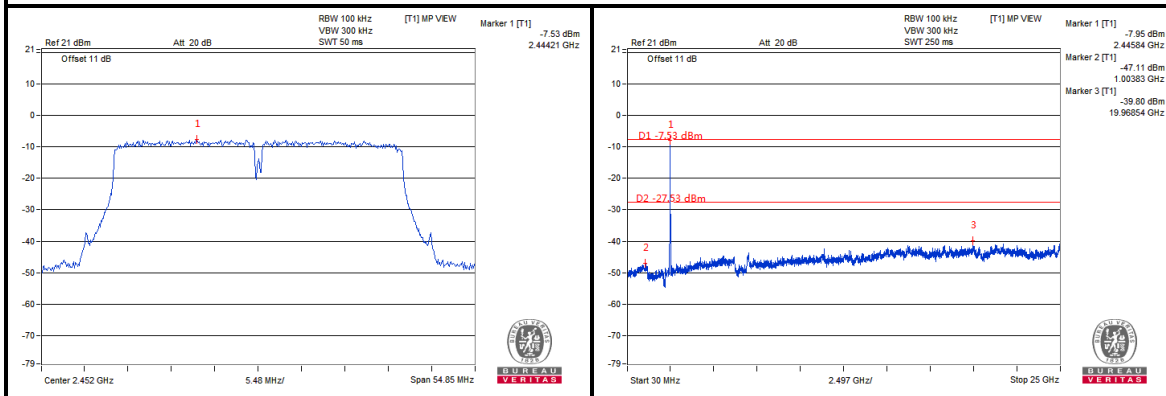
CH 3



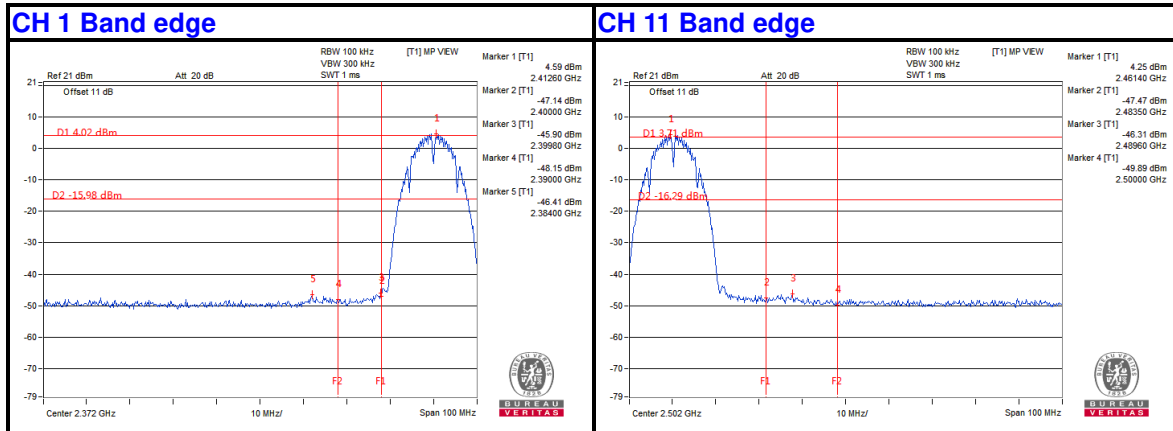
CH 6



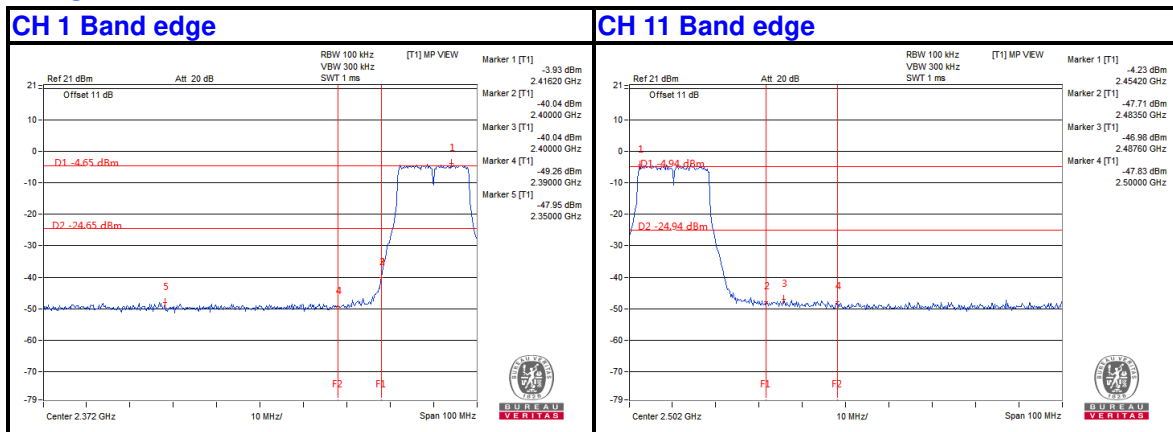
CH 9



802.11b

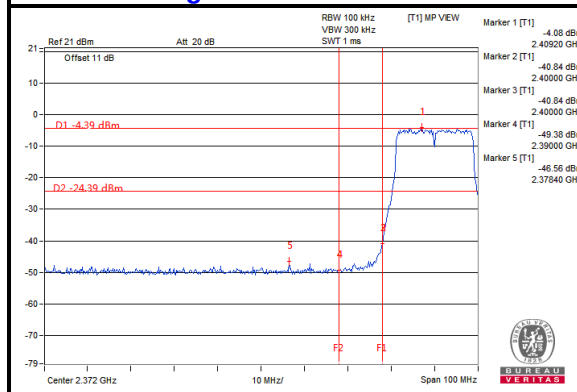


802.11g

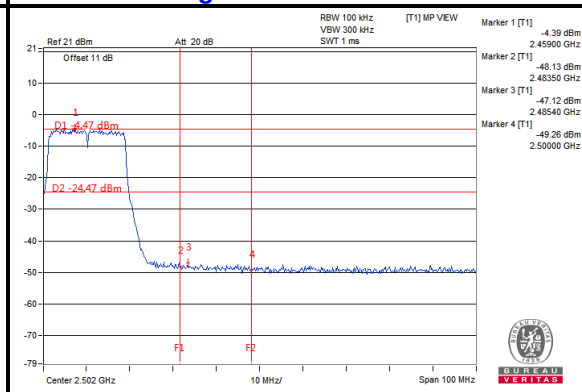


802.11n HT20

CH 1 Band edge

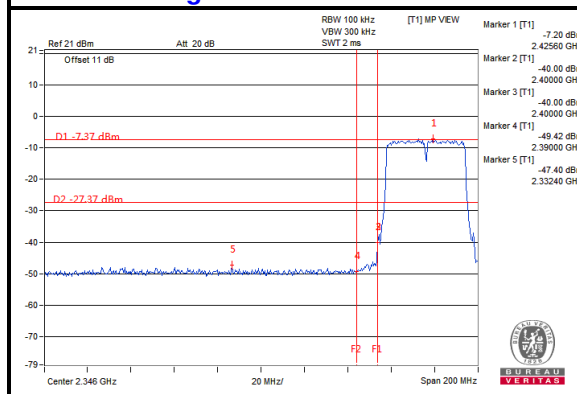


CH 11 Band edge

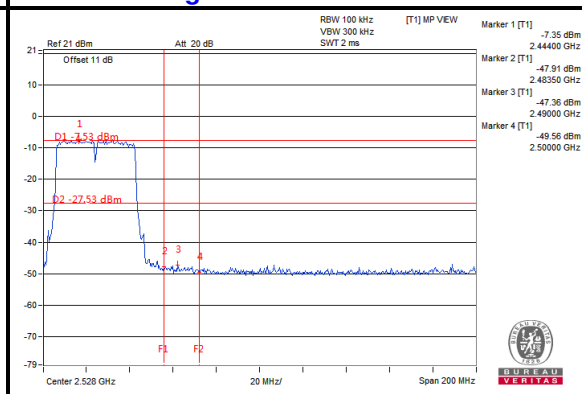


802.11n HT40

CH 3 Band edge



CH 9 Band edge





Test Report No.: RF2009WDG0226-2

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

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

6 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---