TEST REPORT

Report No.: CHTEW21070119

Report Verification:

Project No...... SHT2107001001EW

FCC ID...... 2AZP5-E485TA

Applicant's name.....: DUO AMERICA, LLC

Test item description: Smart Phone

Trade Mark HYUNDAI

Model/Type reference..... E485

Listed Model(s)

Standard: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample........... Jul. 02, 2021

Date of testing...... Jul. 03, 2021- Jul. 20, 2021

Date of issue...... Jul. 21, 2021

Result...... PASS

Compiled by

(Position+Printed name+Signature): File administrator Silvia Li

Supervised by

(Position+Printed name+Signature): Project Engineer Aaron Fang

Silvia Li Aaron.Fang

Approved by

(Position+Printed name+Signature): RF Manager Hans Hu

Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd.

Gongming, Shenzhen, China

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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- ANSI C63.10:2013: American National Standard for Testing Unlicensed Wireless Devices
- KDB 558074 D01 15.247 Meas Guidance v05r02: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

Revision No.	Date of issue	Description
N/A	2021-07-21	Original

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2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result
5.1	Antenna Requirement	15.203/15.247(c)	PASS
5.2	AC Conducted Emission	15.207	PASS
5.3	Peak Output Power	15.247(b)(3)	PASS
5.4	Power Spectral Density	15.247(e)	PASS
5.5	6dB Bandwidth	15.247(a)(2)	PASS
5.6	99% Occupied Bandwidth	-	PASS ^{*1}
5.7	Duty cycle	-	PASS ^{*1}
5.8	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS
5.9	Radiated Band Edge Emission	15.205/15.209	PASS
5.10	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS

Note:

The measurement uncertainty is not included in the test result.

 ^{*1:} No requirement on standard, only report these test data.

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3. **SUMMARY**

3.1. Client Information

Applicant:	DUO AMERICA, LLC	
Address:	8925 NW 26TH ST, DORAL, MIAMI, Florida, United States	
Manufacturer: Shenzhen Tinno Mobile Technology Corp		
Address:	No.33, Xiandong Road, Nanshan District, Shenzhen, P.R.China	

3.2. Product Description

Name of EUT:	Smart Phone
Trade Mark:	HYUNDAI
Model No.:	E485
Listed Model(s):	-
Power supply:	DC 3.8V
Battery Information:	DC 3.8V, 1530mAh
Adapter Information:	Model:AS5007C Input: AC100-240V, 50/60Hz Output: 5.0Vdc, 0.7A
Hardware version:	V0.2
Software version:	HYUNDAI_E485_VG.1.1_20210604

3.3. Radio Specification Description

Support type*2:	802.11b, 802.11g, 802.11n(HT20),
Modulation:	DSSS for 802.11b OFDM for 802.11g/802.11n(HT20)
Operation frequency:	2412MHz~2462MHz for 802.11b/802.11g/802.11n(HT20)
Channel number:	11 for 802.11b/802.11g/802.11n(HT20)
Channel separation:	5MHz
Antenna type:	PIFA Antenna
Antenna gain:	-2.15dBi

Note:

^{*2:} only show the RF function associated with this report.

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3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
Connect information:	Phone: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn		
Qualifications	Туре	Accreditation Number	
Qualifications	FCC	762235	

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4. TEST CONFIGURATION

4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

802.11b/802.11g/802.11n(HT20)		
Channel	Frequency (MHz)	
01	2412	
02	2417	
. :	. :	
06	2437	
. :	. :	
10	2457	
11	2462	

4.2. Descriptions of Test mode

Preliminary tests were performed in different data rates, final test modes are considering the modulation and worse data rates as below table.

Modulation	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n(HT20)	MCS0

4.3. Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions:

The EUT was set to connect with the WLAN AP under large package sizes transmission.

For Radiated spurious emissions test item:

The engineering test program was provided and enabled to make EUT continuous transmit.

The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.

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4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Wheth	Whether support unit is used?				
✓	No				
Item	Equipement	Trade Name	Model No.	FCC ID	Power cord
1					
2					

4.5. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.6. Measurement uncertainty

Test Item	Measurement Uncertainty
AC Conducted Emission (150kHz~30MHz)	3.02 dB
Radiated Emission (30MHz~1000MHz	4.90 dB
Radiated Emissions (1GHz~25GHz)	4.96 dB
Peak Output Power	0.51 dB
Power Spectral Density	0.51 dB
Conducted Spurious Emission	0.51 dB
6dB Bandwidth	70 Hz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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4.7. Equipment Used during the Test

•	Conducted E	mission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2020/10/19	2021/10/18
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2020/10/15	2021/10/14
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2020/10/15	2021/10/14
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2020/10/15	2021/10/14
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated emi	ssion-6th test sit	te				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2021/09/29
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2020/10/19	2021/10/18
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2022/04/05
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2022/04/05
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2020/11/13	2021/11/12
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2021/02/26	2022/02/25
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

•	Radiated em	ission-7th test s	ite				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2021/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2020/10/20	2021/10/19
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2018/10/11	2021/10/11
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2020/11/13	2021/11/12
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2021/03/05	2022/03/04
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-03	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

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•	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2020/10/19	2021/10/18
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2020/10/19	2021/10/18
•	Power Meter	Anritsu	ML249A	N/A	2020/10/19	2021/10/18
0	Radio communication tester	R&S	CMW500	137688-Lv	2020/10/19	2021/10/18

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5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

TEST RESULT

oxtimes Passed	☐ Not Applicable
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The antenna type is a PIFA antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



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5.2. AC Conducted Emission

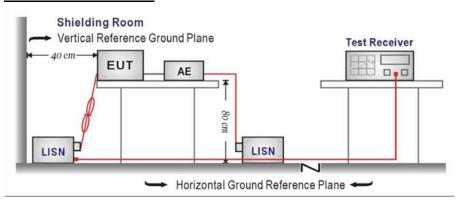
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguenov rango (MHz)	Limit (dBuV)					
Frequency range (MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

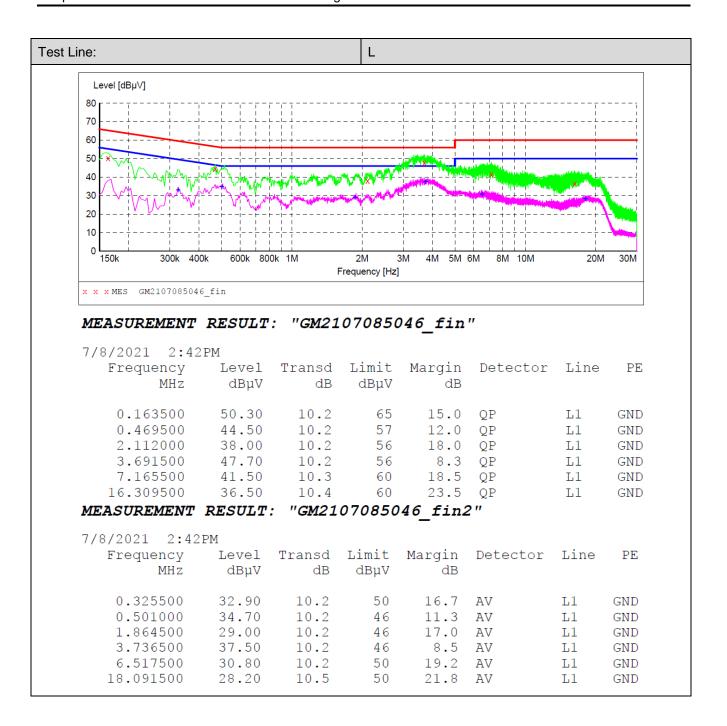
- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

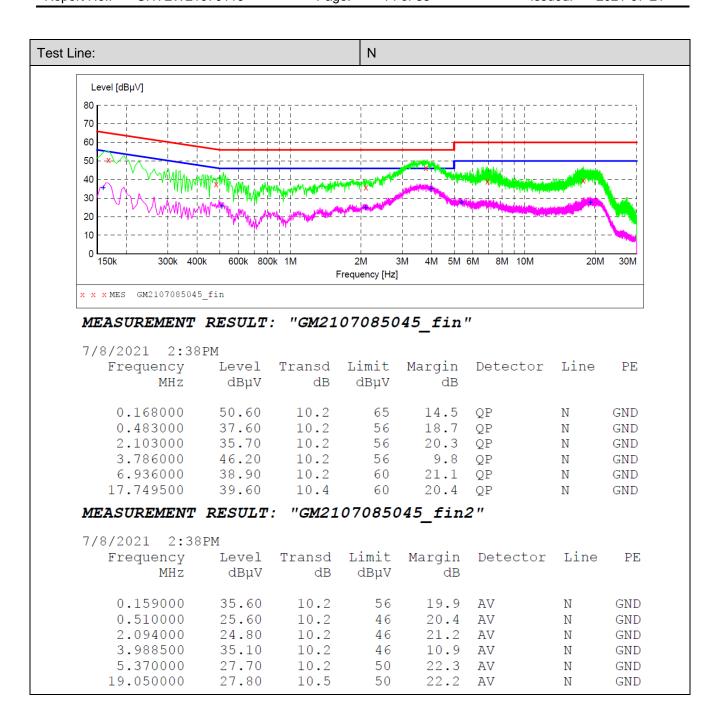
Please refer to the clause 4.2

TEST RESULT

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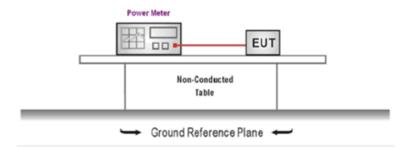
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5.3. Peak Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10 and KDB 558074 D01 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- 4. Record the measurement data.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST Data

Please refer to appendix A on the appendix report

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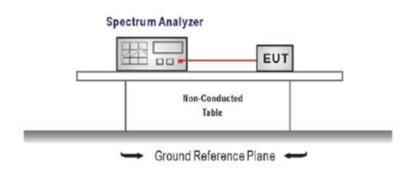
5.4. Power Spectral Density

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e):

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below:

Center frequency=DTS channel center frequency

Span =1.5 times the DTS bandwidth

RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW

Sweep time = auto couple

Detector = peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST Data

Please refer to appendix B on the appendix report

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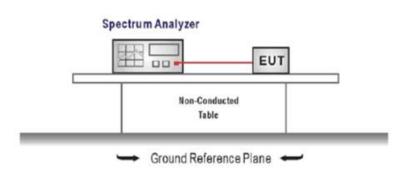
5.5. 6dB bandwidth

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2):

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency

Span=2 x DTS bandwidth

RBW = 100 kHz, VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST Data

Please refer to appendix C on the appendix report

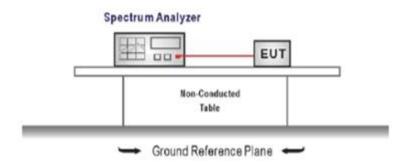
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5.6. 99% Occupied Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- Configure the spectrum analyzer as shown below (enter all losses between the transmitter output andthe spectrum analyzer).

Center Frequency =channel center frequency

Span≥1.5 x OBW

RBW = 1%~5%OBW

VBW ≥ 3 × RBW

Sweep time= auto couple

Detector = Peak

Trace mode = max hold

Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

TEST Data

Please refer to appendix D on the appendix report

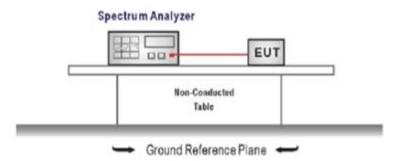
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5.7. Duty Cycle

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:
 - Span=zero span, Frequency=centered channel, RBW= 1 MHz, VBW \geq RBW
 - Sweep=as necessary to capture the entire dwell time,
 - Detector function = peak, Trigger mode
- 4. Measure and record the duty cycle data

TEST MODE:

Please refer to the clause 4.2

TEST Data

Please refer to appendix E on the appendix report

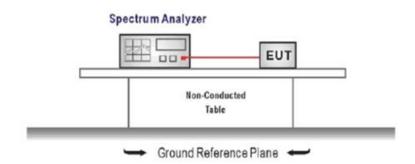
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5.8. Conducted Band edge and Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Establish a reference level by using the following procedure

Center frequency=DTS channel center frequency

The span = 1.5 times the DTS bandwidth.

RBW = 100 kHz, VBW \geq 3 x RBW

Detector = peak, Sweep time = auto couple, 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.

3. Emission level measurement

Set the center frequency and span to encompass frequency range to be measured

RBW = 100 kHz, VBW ≥ 3 x RBW

Detector = peak, Sweep time = auto couple, Trace mode = max hold

Allow trace to fully stabilize

Use the peak marker function to determine the maximum amplitude level.

- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE:

Please refer to the clause 4.2

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TEST	RESULT
-------------	---------------

 $oxed{oxed}$ Passed $oxed{oxed}$ Not Applicable

TEST Data

Please refer to appendix F on the appendix report

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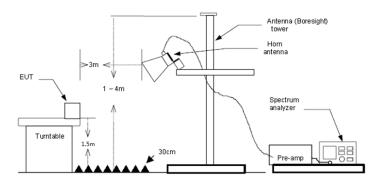
5.9. Radiated Band edge Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

Note:

- Level= Reading + Factor; Factor = Antenna Factor + Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

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Туре		802.11b		Test cha	annel	СН	01	F	Polarity		Horizontal
-	Mark		_					Level		Ove	
	1 2	MHz 2310.00 2390.01	dBuV/m 33.03 32.74	dB 27.96 27.72	dB 7.30 7.72	dB 37.56 37.45	dB 20.00 20.00	dBuV/ 50.73 50.73	m dBuV/n 74.00 74.00	n lin -23.2 -23.2	27 Peak
		Frequency	Reading	Antenna	Cable	Preamp	Aux	Level	Limit	0ver	Remark
	1 2	MHz 2310.00 2390.01	dBuV/m 26.64 26.55	dB 27.96 27.72		dB 37.56 37.45	dB 20.00 20.00		dBuV/m 34 54.00 54 54.00	limit -9.66 -9.46	
Туре		802.11b		Test cha	annel	СН	01	F	Polarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/		Ove	
		2310.00 2390.01	34.87 34.19	27.96 27.72	7.30 7.72	37.56 37.45	20.00	52.57 52.18	74.00 74.00	-21.4 -21.8	3 Peak
	Mark	Frequency	Reading	Antenna	Cable			Level	Limit	0ver	
	1 2	MHz 2310.00 2390.01	dBuV/m 27.05 26.26	dB 27.96 27.72	dB 7.30 7.72	dB 37.56 37.45	dB 20.00 20.00		dBuV/m 75 54.00 25 54.00	limi -9.25 -9.75	Average

Туре		802.11b		Test cha	annel	СН	11	Ро	larity	Horizontal
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream	ıp Aux dB	Level dBuV/m		ver Remark imit
	1	2483.49	-	27.43	7.80	37.26	20.00	52.08	74.00 -21	.92 Peak
	2	2500.00	32.83	27.40	7.81	37.26	20.00	50.78	74.00 -23	.22 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limi	
	1	2483.49	26.23	27.43	7.80	37.26	20.00	44.20	54.00 -9.80	Average
	2	2500.00	25.88	27.40	7.81	37.26	20.00	43.83	54.00 -10.17	' Average
Туре		802.11b		Test cha	annel	СН	11	Ро	larity	Vertical
-	Mark	Frequency MHz	_	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m		ver Remark imit
	1	2483.49	33.27	27.43	7.80	37.26	20.00	51.24		.76 Peak
	2	2500.00	33.38	27.40	7.81	37.26	20.00	51.33	74.00 -22	.67 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Ove dBuV/m lim	
	1	2483.49	26.12			37.26	20.00		54.00 -9.9	
	2	2500.00	25.61	27.40	7.81	37.26	20.00	42.56	54.00 -10.4	

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Туре		802.11	g	Test ch	nannel	C	H01	Р	olarity		Horizontal
	Mark	Frequency	Reading dBuV/m	Antenna dB	Cable dB	e Prear	np Aux dB	Level dBuV/m	Limit dBuV/		
	1 2	2310.00 2390.01	32.52 35.91	27.96 27.72	7.30 7.72	37.56 37.45			74.00 74.00	-23.78	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream; dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1 2	2310.00 2390.01	21.43 21.59	27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00		3 54.00 3 54.00	-14.87 -14.42	
Туре		802.11	g	Test ch	nannel	C	- 101	Р	olarity		Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream	ip Aux dB	Level dBuV/m	Limit dBuV/r		
	1 2	2310.00 2390.01		27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00	50.27 52.48	74.00	-23.73	Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	_	2310.00 2390.01		27.96 27.72		37.56 37.45	20.00 20.00			-14.45 -14.15	Average Average

Туре		802.11	g	Test ch	annel	CH	111	Р	olarity	Horizontal
	Mark	Frequency	Reading dBuV/m	Antenna dB	Cable	Prear	np Aux dB	Level dBuV/r		
	1	2483.49	43.55	27.43	7.80	37.26			74.00 -12.4	
_	2	2500.00	33.09	27.40	7.81	37.26	20.00	51.04	74.00 -22.9	96 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1	2483.49	25.90			37.26	20.00		54.00 -10.13	Average
	2	2500.00	21.03	27.40	7.81	37.26	20.00	38.98	54.00 -15.02	Average
Туре		802.11	g	Test ch	annel	CH	111	P	Polarity	Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Level dBuV/m	Limit Ove	
	1	2483.49	39.75	27.43	7.80	37.26	20.00	57.72	•	
	2	2500.00	33.01	27.40	7.81	37.26	20.00	50.96	74.00 -23.0	4 Peak
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1	2483.49	24.06	27.43	7.80	37.26	20.00	42.03	3 54.00 -11.97	Average
	2	2500.00	21.33	27.40	7.81	37.26	20.00	39.28	8 54.00 -14.72	Average

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Туре		802.11	n(HT20)	Test c	hannel	Cl	H01		Polarity	Horizontal
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Leve]		
	1 2	2310.00 2390.01	32.77 38.31	27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00	50.47 56.30	74.00 -23.5 74.00 -17.7	
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1 2	2310.00 2390.01		27.96 27.72		37.56 37.45	20.00 20.00		88 54.00 -15.12 81 54.00 -13.19	Average Average
Туре		802.11	n(HT20)	Test cl	hannel	Cl	1 01		Polarity	Vertical
,	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	p Aux dB	Leve:		
	1 2	2310.00 2390.01	33.28 35.27	27.96 27.72	7.30 7.72	37.56 37.45	20.00 20.00	50.98 53.26		
	Mark	MHz	dBuV/m	Antenna dB	Cable dB	Preamp dB	dB	Level dBuV/m	-	Remark
	1 2	2310.00 2390.01	21.62 22.75	27.96 27.72		37.56 37.45	20.00 20.00		32 54.00 -14.68 74 54.00 -13.26	Average Average

Туре		802.11r	n(HT20)	Test c	hannel	С	H11		Polarity	Horizontal
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	ip Aux dB	Level dBuV/r		
	1 2	2483.49 2500.00	44.70	27.43 27.40	7.80 7.81	37.26 37.26	20.00	62.67 50.28	74.00 -11.3 74.00 -23.7	3 Peak
-	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
	1 2	2483.49 2500.00		27.43 27.40		37.26 37.26	20.00 20.00		5 54.00 -8.45 4 54.00 -15.16	Average Average
Туре		802.11	n(HT20)	Test cl	hannel	С	H11		Polarity	Vertical
	Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Pream dB	ip Aux dB	Level dBuV/		
	_	2483.49 2500.00	40.71 33.04	27.43 27.40	7.80 7.81	37.26 37.26	20.00 20.00	58.68 50.99	74.00 -15.3 74.00 -23.0	
	Mark	Frequency MHz	Reading /	Antenna dB	Cable dB	Preamp dB	Aux dB	Level dBuV/m	Limit Over dBuV/m limit	Remark
		2483.49 2500.00		27.43 27.40		37.26 37.26	20.00 20.00		5 54.00 -10.55 6 54.00 -15.04	Average Average

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5.10. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

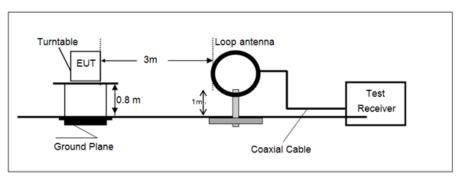
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3) = Limit dBuV/m @300m +80, Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3) = Limit dBuV/m @30m + 40.

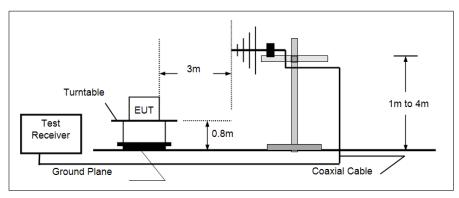
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

TEST CONFIGURATION

→ 9 kHz ~ 30 MHz

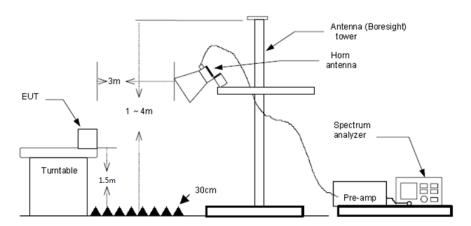


> 30 MHz ~ 1 GHz



Above 1 GHz

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TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement:

- VBW=10Hz, When duty cycle is no less than 98 percent
- VBW≥1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation, so refer to this clasue 5.6 duty cycle.

TEST MODE:

Please refer to the clause 4.2

TEST RESULT

Note:

- Level= Reading + Factor/Transd; Factor/Transd = Antenna Factor+ Cable Loss- Preamp Factor
- 2) Over Limit = Level- Limit
- 3) Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

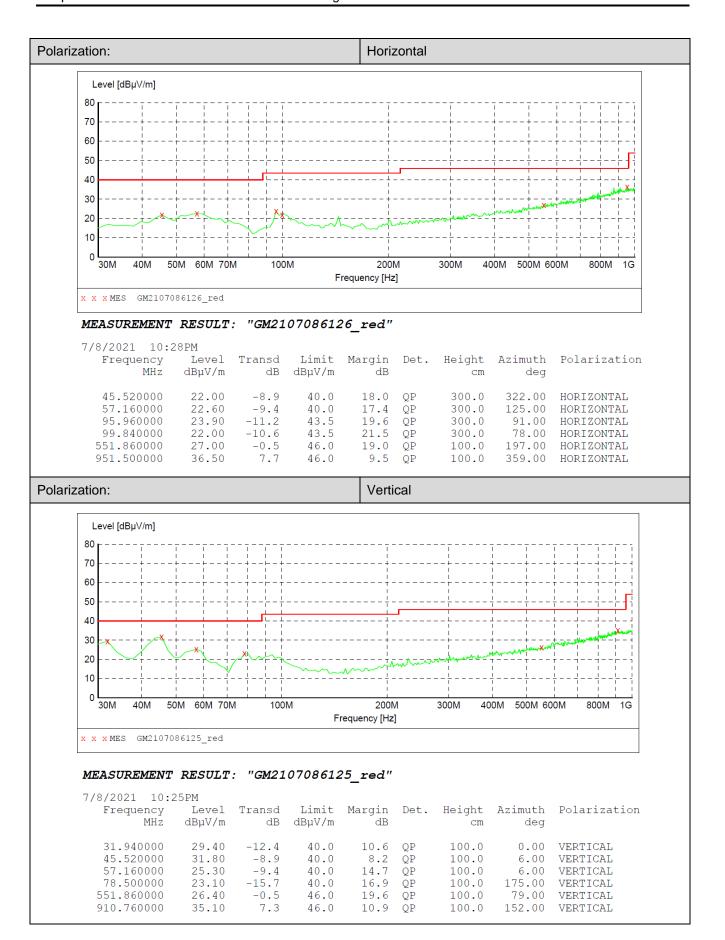
TEST DATA FOR 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

TEST DATA FOR 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH06 of 802.11B which it was worst case, so only show the worst case's data on this report.

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TEST DATA FOR 1 GHz ~ 25 GHz

Туре		802.11b		Test channel		CH01		Polarity	Horizontal	
	Mark	Frequency	Readi	•	Cab.		Lev		ver Remark	
		MHz	dBuV,		dB	dB	dBuV,	•	imit	
	1	1052.23	37.36	25.21	4.91		30.49		3.51 Peak	
	2	4821.76	37.90	31.40	11.52		45.58		3.42 Peak	
	3	7245.81	32.22	36.41	13.69		48.26		5.74 Peak	
	4	10860.83	30.16	40.48	16.67	7 36.78	50.53	74.00 -2	3.47 Peak	
Туре		802.11b		Test channel		CH01		Polarity	Vertical	
	Mark	Frequency	Readin	•	Cabl		Leve			
		MHz	dBuV/		dB	dB	dBuV/		mit	
	1	1144.44	36.28	25.40	5.02		29.91	74.00 -44		
	2	4821.76	36.45	31.40	11.52		44.13		.87 Peak	
	3	7245.81	32.22	36.41	13.69	34.06	48.26	74.00 -25	.74 Peak	
	4	10944.09	29.94	40.60	16.72	36.72	50.54	74.00 -23	.46 Peak	
Туре		802.11b		Test channel		CH06		Polarity	Horizontal	
-										
	Mark	Frequency	Readi	ng Antenna	Cab1	le Preamp	Leve	el Limit Ov	er Remark	
		MHz	dBuV		dB	dB	dBuV,		mit	
	1	1222.74	35.46		5.17		29.76		.24 Peak	
	2	4871.10	32.90	31.40	11.51		40.65		.35 Peak	
	3	7190.69	30.85	36.46	13.73		47.05		.95 Peak	
	4	10374.42	30.71	39.85	16.32		49.59		.41 Peak	
		10374.42	30.71	33.03	10.00	2 37.23	70.00	77.00 27	TATE I CON	
Туре		802.11b		Test channel		CH06		Polarity	Vertical	
Туре								·		
Туре	Mark	Frequency	Readi	ng Antenna	Cab	le Preamp	Leve	el Limit Ov	er Remark	
Туре		Frequency MHz	dBuV	ng Antenna /m dB	Cabi	le Preamp dB	dBuV,	el Limit Ov /m dBuV/m li	er Remark mit	
Туре	1	Frequency MHz 1156.15	dBuV 37.29	ng Antenna /m dB 25.43	Cab: dB 5.04	le Preamp dB 4 36.75	dBuV, 31.01	el Limit Ov /m dBuV/m li 74.00 -42	er Remark mit .99 Peak	
Type	1 2	Frequency MHz 1156.15 4871.10	dBuV 37.29 35.34	ng Antenna /m dB 25.43	Cab: dB 5.04	le Preamp dB 4 36.75 1 35.16	dBuV, 31.01 43.09	l Limit Ov /m dBuV/m li 74.00 -42 74.00 -30	er Remark mit .99 Peak .91 Peak	
Type	1 2 3	Frequency MHz 1156.15 4871.10 7319.96	dBuV 37.29 35.34 32.77	ng Antenna /m dB 25.43 31.40 36.44	Cabi dB 5.04 11.50	le Preamp dB 4 36.75 1 35.16 7 34.10	dBuV, 31.01 43.09 48.88	21 Limit Ov /m dBuV/m li 74.00 -42 74.00 -30 74.00 -25	er Remark mit .99 Peak .91 Peak .12 Peak	
Туре	1 2	Frequency MHz 1156.15 4871.10	dBuV 37.29 35.34	ng Antenna /m dB 25.43 31.40 36.44	Cab: dB 5.04	le Preamp dB 4 36.75 1 35.16 7 34.10	dBuV, 31.01 43.09	21 Limit Ov /m dBuV/m li 74.00 -42 74.00 -30 74.00 -25	er Remark mit .99 Peak .91 Peak	
Туре	1 2 3	Frequency MHz 1156.15 4871.10 7319.96	dBuV 37.29 35.34 32.77	ng Antenna /m dB 25.43 31.40 36.44	Cab. dB 5.04 11.50 13.70	le Preamp dB 4 36.75 1 35.16 7 34.10	dBuV, 31.01 43.09 48.88	21 Limit Ov /m dBuV/m li 74.00 -42 74.00 -30 74.00 -25	er Remark mit .99 Peak .91 Peak .12 Peak	
	1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26	dBuV 37.29 35.34 32.77 29.61	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab. dB 5.04 11.55 13.77 16.70	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11	dBuV, 31.01 43.09 48.88 50.17	Pl Limit Ov /m dBuV/m li 74.00 -42 74.00 -30 74.00 -25 74.00 -23	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak	
	1 2 3	Frequency MHz 1156.15 4871.10 7319.96 10916.26	dBuV 37.29 35.34 32.77	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab. dB 5.04 11.50 13.77 16.70	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11	dBuV, 31.01 43.09 48.88	Pl Limit Ov /m dBuV/m li 74.00 -42 74.00 -30 74.00 -25 74.00 -23	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak	
	1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b	dBuV 37.29 35.34 32.77 29.61	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab. dB 5.04 11.55 13.77 16.70	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11	dBuV, 31.01 43.09 48.88 50.17	Polarity Limit Ov M dBuV/m li 74.00 -42 74.00 -30 74.00 -25 74.00 -23	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak	
	1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b	dBuV 37.29 35.34 32.77 29.61	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab. dB 5.04 11.50 13.77 16.70	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB	dBuV, 31.01 43.09 48.88 50.17	Polarity Limit Ov M dBuV/m li 74.00 -42 74.00 -30 74.00 -23 Polarity Limit Ov M dBuV/m li	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal	
	1 2 3 4 Mark	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b	dBuV 37.29 35.34 32.77 29.61 Readin	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab. dB 5.04 11.53 13.77 16.70 Cabl	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV/	Polarity Limit Ov M dBuV/m li 74.00 -42 74.00 -25 74.00 -23 Polarity Limit Ov M dBuV/m li 74.00 -43	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit	
	1 2 3 4 Mark	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77	dBuV 37.29 35.34 32.77 29.61 Readin dBuV, 35.21	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel	Cab: dB 5.04 11.5: 13.7: 16.7(Cab: dB 5.42	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21	dBuV/ 31.01 43.09 48.88 50.17 Leve dBuV/ 30.34	Polarity Limit Ov M dBuV/m li 74.00 -42 74.00 -25 74.00 -23 Polarity Limit Ov M dBuV/m li 74.00 -43 74.00 -29	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak	
	1 2 3 4 Mark	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96	dBuV 37.29 35.34 32.77 29.61 Readin dBuV, 35.21 36.34	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ng Antenna /m dB 26.00 31.44	Cabl 11.52 13.77 16.70 Cabl dB 5.42	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96	dBuV/ 31.01 43.09 48.88 50.17 Leve dBuV/ 30.34 44.08	Polarity I Limit Ov M dBuV/m li 74.00 -42 74.00 -25 74.00 -23 Polarity I Limit Ov M dBuV/m li 74.00 -43 74.00 -29 74.00 -27	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak	
	1 2 3 4 Mark 1 2 3	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ng Antenna /m dB 26.00 31.44 36.32	Cab: dB 5.04 11.52 13.77 16.70 Cabl dB 5.42 11.51 13.64	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV/ 30.34 44.08 46.45	Polarity I Limit Ov M dBuV/m li 74.00 -42 74.00 -25 74.00 -23 Polarity I Limit Ov M dBuV/m li 74.00 -43 74.00 -29 74.00 -27	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak	
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ng Antenna /m dB 26.00 31.44 36.32 39.25 Test channel	Cab: dB 5.04 11.5: 13.7: 16.70 Cabl dB 5.42 11.51 13.64	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV/ 30.34 44.08 46.45 49.67	Polarity Table 1 Limit Ov Table 2 A A A A A A A A A A A A A A A A A A	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical	
Туре	1 2 3 4 Mark 1 2 3	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b Frequency	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ng Antenna /m dB 26.00 31.44 36.32 39.25 Test channel	Cab: dB 5.04 11.5: 13.77 16.70 Cab: dB 5.42 11.5: 13.64 15.42	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11 CH11	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV/ 30.34 44.08 46.45 49.67	Polarity The dBuV/m li The dB	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical	
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b Frequency MHz	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ng Antenna /m dB 26.00 31.44 36.32 39.25 Test channel	Cab: dB 5.04 11.5: 13.7: 16.70 Cab: dB 5.42 11.5: 13.64 15.42	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11 CH11	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV, 30.34 44.08 46.45 49.67	Polarity The dBuV/m li The dB	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical	
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b Frequency MHz 1095.97	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01 Readir dBuV, 36.93	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ag Antenna /m dB 26.00 31.44 36.32 39.25 Test channel ag Antenna /m dB 25.38	Cab: dB 5.04 11.5: 13.77 16.70 Cab: dB 5.42 11.5: 13.64 15.42 Cab: dB 4.97	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11 CH11 CH11 CH11	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV, 30.34 44.08 46.45 49.67 Leve dBuV, 30.38	Polarity The dBuV/m li The dB	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical	
Туре	1 2 3 4 Mark 1 2 3 4 Mark 1 2	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b Frequency MHz 1095.97 4920.96	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01 Readir dBuV, 36.93 36.44	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ag Antenna /m dB 26.00 31.44 36.32 39.25 Test channel ag Antenna /m dB 25.38 31.44	Cab: dB 5.04 11.5: 13.77 16.70 Cab: dB 5.42 11.5: 13.64 15.42 Cab: dB 4.97 11.5:	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11 le Preamp dB 7 36.90 1 35.21	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV, 30.34 44.08 46.45 49.67 Leve dBuV, 30.38 44.18	Polarity	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical //er Remark imit 8.62 Peak 9.82 Peak	
Туре	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1156.15 4871.10 7319.96 10916.26 802.11b Frequency MHz 1299.77 4920.96 7154.17 9611.66 802.11b Frequency MHz 1095.97	dBuV 37.29 35.34 32.77 29.61 Readir dBuV, 35.21 36.34 30.45 32.01 Readir dBuV, 36.93	ng Antenna /m dB 25.43 31.40 36.44 40.60 Test channel ag Antenna /m dB 26.00 31.44 36.32 39.25 Test channel ag Antenna /m dB 25.38	Cab: dB 5.04 11.5: 13.77 16.70 Cab: dB 5.42 11.5: 13.64 15.42 Cab: dB 4.97	le Preamp dB 4 36.75 1 35.16 7 34.10 0 36.74 CH11 Le Preamp dB 2 36.29 1 35.21 4 33.96 2 37.01 CH11 le Preamp dB 7 36.90 1 35.21 4 34.02	dBuV, 31.01 43.09 48.88 50.17 Leve dBuV, 30.34 44.08 46.45 49.67 Leve dBuV, 30.38	Polarity The dBuV/m li The dB	er Remark mit .99 Peak .91 Peak .12 Peak .83 Peak Horizontal er Remark mit .66 Peak .92 Peak .55 Peak .33 Peak Vertical	

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Туре		802.11g		Test channel	ı C	H01		Polarity		Horizontal
	Mark	Frequency MHz	Readin dBuV/	m dB	Cable dB	Preamp dB	Leve dBuV/	m dBuV/m	Over limi	it
	1 2 3	1313.08 4797.27 7682.70	34.47 31.32 29.94	26.08 31.40 36.37	5.44 11.51 14.72	36.33 35.32 33.16	29.66 38.91 47.87	74.00 74.00 74.00	-35.0	34 Peak 99 Peak 13 Peak
	4	10750.81	29.79	40.20	16.60	36.88	49.71	74.00		29 Peak
Туре		802.11g		Test channe	I C	H01		Polarity		Vertical
	Mark	Frequency MHz	Readin dBuV/	m dB	Cable dB	Preamp dB	Leve dBuV/	m dBuV/m	Ove lim	it
	1 2	1260.67 4821.76	35.26 31.34	25.92 31.40	5.29 11.52	36.46 35.24	30.01 39.02	74.00 74.00		99 Peak 98 Peak
	3	7624.25	30.17		14.68		48.02	74.00		98 Peak
	4	10944.09	29.65	40.60	16.72	36.72	50.25	74.00	-23.	75 Peak
Type		802.11g		Test channe	I C	H06		Polarity		Horizontal
	Mark	Frequency MHz	Readin dBuV/		Cable dB	Preamp dB	Leve dBuV/		Ove lim	
	1	1210.36	36.19	25.66	5.13		30.35			65 Peak
	2	4871.10 7566.25	32.54 30.04	31.40 36.47	11.51 14.49	35.16 33.44	40.29 47.56	74.00 74.00		71 Peak 44 Peak
	4	10916.26	29.34	40.60	16.70	36.74	49.90			10 Peak
Туре		802.11g		Test channel	ı C	H06		Polarity		Vertical
Туре	Mark	Frequency		g Antenna	Cable	Preamp		l Limit	Over	Remark
Type	Mark		Readin dBuV/ 36.41	g Antenna			Leve dBuV/ 30.06	l Limit	limi	Remark
Type	1 2	Frequency MHz 1147.35 4871.10	dBuV/ 36.41 32.19	g Antenna m dB 25.40 31.40	Cable dB 5.03 11.51	Preamp dB 36.78 35.16	dBuV/ 30.06 39.94	l Limit m dBuV/m 74.00 74.00	limi -43.9 -34.0	r Remark it 94 Peak 96 Peak
Type	1	Frequency MHz 1147.35	dBuV/ 36.41 32.19 30.53	g Antenna m dB 25.40 31.40 37.19	Cable dB 5.03	Preamp dB 36.78	dBuV/ 30.06	l Limit m dBuV/m 74.00	limi -43.9 -34.0	Remark it 94 Peak
Type	1 2 3	Frequency MHz 1147.35 4871.10 8042.90	dBuV/ 36.41 32.19	g Antenna m dB 25.40 31.40	Cable dB 5.03 11.51 14.28 16.67	Preamp dB 36.78 35.16 33.31	dBuV/ 30.06 39.94 48.69	Limit m dBuV/m 74.00 74.00 74.00	limi -43.9 -34.0	r Remark it 94 Peak 96 Peak 81 Peak
	1 2 3 4	Frequency MHz 1147.35 4871.10 8042.90 10860.83	dBuV/ 36.41 32.19 30.53 30.25	g Antenna m dB 25.40 31.40 37.19 40.48	Cable dB 5.03 11.51 14.28 16.67	Preamp dB 36.78 35.16 33.31 36.78	dBuV/ 30.06 39.94 48.69 50.62	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity	limi -43.9 -34.6 -25.3 -23.3	Remark It 94 Peak 96 Peak 81 Peak 88 Peak Horizontal
	1 2 3	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g	dBuV/ 36.41 32.19 30.53 30.25	g Antenna m dB 25.40 31.40 37.19 40.48 Test channe	Cable dB 5.03 11.51 14.28 16.67	Preamp dB 36.78 35.16 33.31 36.78 EH11	dBuV/ 30.06 39.94 48.69 50.62	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity	limi -43.9 -34.0 -25.3 -23.3	Remark Remark Peak Peak Peak Remark Horizontal
	1 2 3 4	Frequency MHz 1147.35 4871.10 8042.90 10860.83	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08	g Antenna m dB 25.40 31.40 37.19 40.48 Test channe	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06	Preamp dB 36.78 35.16 33.31 36.78	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92	l Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity	limi -43.9 -34.0 -25.3 -23.3 Over limi -44.0	Remark it 04 Peak 06 Peak 08 Peak Horizontal Remark it
	1 2 3 4 Mark	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52	Preamp dB 36.78 35.16 33.31 36.78 EH11 Preamp dB 36.70 35.20	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57	l Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity l Limit m dBuV/m 74.00 74.00	0 ver limi -43.9 -25.3 -23.3 0 ver limi -44.0 -31.4	Remark it 04 Peak 06 Peak 08 Peak Horizontal Remark it 08 Peak 13 Peak
	1 2 3 4 Mark	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41	Preamp dB 36.78 35.16 33.31 36.78 EH11 Preamp dB 36.70	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92	Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -31.4	Remark it 04 Peak 06 Peak 08 Peak Horizontal Remark it
	1 2 3 4 Mark	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel ng Antenna /m dB 25.48 31.47 36.95	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57	Preamp dB 36.78 35.16 33.31 36.78 EH11 Preamp dB 36.70 35.20 33.32	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31	Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -31.4	Remark it 04 Peak 06 Peak 08 Peak Horizontal Remark it 08 Peak 13 Peak 14 Peak 19 Peak
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43 10696.21 802.11g	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27 30.40	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel ng Antenna /m dB 25.48 31.47 36.95 40.10 Test channel	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57	Preamp dB 36.78 35.16 33.31 36.78 EH11 Preamp dB 36.70 35.20 33.32 36.92	dBuV/30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31 50.15	Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 Polarity Limit m dBuV/m 74.00 74.00 74.00 74.00 74.00 Polarity	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -31.4 -25.0 -23.8	Remark it 04 Peak 06 Peak 81 Peak 88 Peak Horizontal Remark it 08 Peak 13 Peak 14 Peak 15 Peak 15 Peak 15 Peak 16 Peak 17 Peak 18 Peak
Type	1 2 3 4 Mark	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43 10696.21	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27	g Antenna m dB 25.40 31.40 37.19 40.48 Test channe ng Antenna /m dB 25.48 31.47 36.95 40.10 Test channe	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57	Preamp dB 36.78 35.16 33.31 36.78 CH11 Preamp dB 36.70 35.20 33.32 36.92	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31	Polarity	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -31.4	Remark 1t 24 Peak 26 Peak 31 Peak 38 Peak Horizontal 28 Peak 39 Peak 40 Peak 41 Peak 42 Peak 43 Peak 44 Peak 45 Peak Vertical
Type	1 2 3 4 Mark 1 2 3 4	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43 10696.21 802.11g	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27 30.40	g Antenna m dB 25.40 31.40 37.19 40.48 Test channe ng Antenna /m dB 25.48 31.47 36.95 40.10 Test channe	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57 Cable	Preamp dB 36.78 35.16 33.31 36.78 CH11 Preamp dB 36.70 35.20 33.22 36.92 CH11	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31 50.15	Polarity	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -31.4 -25.8	Remark 1t 24 Peak 26 Peak 28 Peak Horizontal Remark 1t 28 Peak 13 Peak 13 Peak 15 Peak 15 Peak Vertical
Type	1 2 3 4 Mark 1 2 3 4 Mark 1 2	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43 10696.21 802.11g Frequency MHz 1254.27 4920.96	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27 30.40 Readin dBuV/ 34.88 36.56	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel ag Antenna dB 25.48 31.47 36.95 40.10 Test channel	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57 Cable dB 5.27 11.51	Preamp dB 36.78 35.16 33.31 36.78 CH11 Preamp dB 36.70 35.20 33.32 36.92 CH11 Preamp dB 36.48 35.21	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31 50.15 Leve dBuV/ 29.58 44.30	Polarity Polarity Polarity Limit M dBuV/m 74.00 74.00 74.00 Polarity Limit M dBuV/m 74.00 74.00 Polarity Polarity Limit M dBuV/m 74.00 Polarity	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -23.8 Over 1imi -44.4	Remark 14 Peak 26 Peak 27 Peak 28 Peak Horizontal 28 Peak 29 Peak Vertical 29 Peak The remark 20 Peak 21 Peak 22 Peak 23 Peak 24 Peak 25 Peak Peak 26 Peak Peak 27 Peak
Туре	1 2 3 4 Mark 1 Mark 1	Frequency MHz 1147.35 4871.10 8042.90 10860.83 802.11g Frequency MHz 1170.96 4933.50 7961.43 10696.21 802.11g Frequency MHz 1254.27	dBuV/ 36.41 32.19 30.53 30.25 Readin dBuV/ 36.08 34.78 30.27 30.40 Readin dBuV/ 34.88	g Antenna m dB 25.40 31.40 37.19 40.48 Test channel ng Antenna /m dB 25.48 31.47 36.95 40.10 Test channel	Cable dB 5.03 11.51 14.28 16.67 Cable dB 5.06 11.52 14.41 16.57 Cable dB 5.27	Preamp dB 36.78 35.16 33.31 36.78 CH11 Preamp dB 36.70 35.20 33.32 36.92 CH11 Preamp dB 36.48	dBuV/ 30.06 39.94 48.69 50.62 Leve dBuV/ 29.92 42.57 48.31 50.15	Polarity Polarity Polarity Polarity Limit M BuV/m 74.00 74.00 Polarity Limit M BuV/m 74.00 74.00 Polarity Polarity	1imi -43.9 -34.0 -25.3 -23.3 Over 1imi -44.0 -23.8 Over 1imi -44.4 -25.6 -23.8	Remark 14 Peak 26 Peak 27 Peak 28 Peak Horizontal 28 Peak 29 Peak Vertical 29 Peak The remark 20 Peak 21 Peak 22 Peak 23 Peak 24 Peak 25 Peak Peak 26 Peak Peak 27 Peak

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Туре		802.11n(H	łT20)	Test channel	ı C	H01		Polarity	Horizontal
	Mark	Frequency MHz	Readin dBuV/		Cable dB	Preamp dB	Leve dBuV/		
	1	1165.01	36.33	25.46	5.05		30.12		88 Peak
	2	4821.76	31.80	31.40	11.52		39.48		52 Peak
	3	7643.68	30.09		14.70	33.17	47.93		07 Peak
	4	10944.09	29.36	40.60	16.72	36.72	49.96	74.00 -24.	04 Peak
Туре		802.11n(H	łT20)	Test channel	l C	H01		Polarity	Vertical
					C-l-1-	D		.1	Downell
	Mark	Frequency MHz	Readi: dBuV,		Cable dB	Preamp dB	Leve dBuV/		er Remark mit
	1	1280.07	35.12		5.36	36.37	30.07		.93 Peak
	2	4834.05	32.13		11.51		39.84		.16 Peak
	3	8063.40	30.79	37.20	14.28		48.95		.05 Peak
	4	10944.09	29.58	40.60	16.72	36.72	50.18		.82 Peak
Туре		802.11n(H	IT20)	Test channel	ı C	H06		Polarity	Horizontal
	Mark	Frequency				Preamp			
		MHz	dBuV/i		dB	dB	dBuV/		
	1	1225.86	35.79		5.18		30.13		87 Peak
	2	4883.52	32.39		11.50	35.18	40.11		.89 Peak
	3 4	8063.40	31.04		14.28	33.32	49.20		80 Peak
	4	10888.51	29.90	40.57	16.68	36.76	50.39	74.00 -25.	61 Peak
Туре		802.11n(H	IT20)	Test channel	l C	H06		Polarity	Vertical
	Mark	Frequency	Readir	ng Antenna	Cable	Preamp	Leve	l Limit Ove	er Remark
	rial K	MHz	dBuV/		dB	dB	dBuV/		
	1						abav,	III GDGV/III III	
		12/3.5/	35.13	25.95	5.34	36.40	30.02	74.00 -43.	
	2	1273.57 4883.52	35.13 32.00	25.95 31.40	5.34 11.50		30.02 39.72		.98 Peak
	2 3	12/3.57 4883.52 7508.69	35.13 32.00 31.02	31.40	5.34 11.50 14.17	35.18	30.02 39.72 47.90	74.00 -34	
		4883.52	32.00	31.40	11.50	35.18	39.72	74.00 -34. 74.00 -26	.98 Peak .28 Peak
Туре	3	4883.52 7508.69 10888.51	32.00 31.02 30.08	31.40 36.58	11.50 14.17 16.68	35.18 33.87	39.72 47.90	74.00 -34. 74.00 -26	.98 Peak .28 Peak .10 Peak
Туре	3	4883.52 7508.69 10888.51	32.00 31.02 30.08	31.40 36.58 40.57	11.50 14.17 16.68	35.18 33.87 36.76	39.72 47.90	74.00 -34. 74.00 -26. 74.00 -23.	.98 Peak .28 Peak .10 Peak .43 Peak
Type	3	4883.52 7508.69 10888.51	32.00 31.02 30.08 HT20)	31.40 36.58 40.57	11.50 14.17 16.68	35.18 33.87 36.76 H11	39.72 47.90 50.57	74.00 -34 74.00 -26 74.00 -23 Polarity	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal
Туре	3 4 Mark	4883.52 7508.69 10888.51 802.11n(H	32.00 31.02 30.08 HT20) Readin	31.40 36.58 40.57 Test channel	11.50 14.17 16.68 Cable	35.18 33.87 36.76 H11 Preamp dB	39.72 47.90 50.57 Leve dBuV/	74.00 -34 74.00 -26 74.00 -23 Polarity 1 Limit Ove dBuV/m lin	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark
Туре	3 4 Mark	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06	31.40 36.58 40.57 Test channel	11.50 14.17 16.68 Cable dB 5.00	35.18 33.87 36.76 H11 Preamp dB 36.84	39.72 47.90 50.57 Leve dBuV/ 29.62	74.00 -34 74.00 -26 74.00 -23 Polarity 1 Limit Ove (m dBuV/m lin 74.00 -44	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark mit .38 Peak
Туре	3 4 Mark 1 2	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30	31.40 36.58 40.57 Test channel g Antenna m dB 25.40 31.44	11.50 14.17 16.68 Cable dB 5.00 11.51	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04	74.00 -34 74.00 -26 74.00 -23 Polarity 1 Limit Ove M dBuV/m lin 74.00 -44 74.00 -32	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark mit .38 Peak
Туре	3 4 Mark	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60	31.40 36.58 40.57 Test channel g Antenna m dB 25.40 31.44 36.72	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55	74.00 -34.74.00 -26.74.00 -23. Polarity 1 Limit Oven dBuV/m limit 74.00 -44.74.00 -32.74.00 -25	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark mit .38 Peak .96 Peak
Туре	3 4 Mark 1 2	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30	31.40 36.58 40.57 Test channel g Antenna m dB 25.40 31.44 36.72	11.50 14.17 16.68 Cable dB 5.00 11.51	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04	74.00 -34 74.00 -26 74.00 -23 Polarity 1 Limit Ove M dBuV/m lin 74.00 -44 74.00 -32	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark mit .38 Peak .96 Peak
Type	3 4 Mark 1 2	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81	31.40 36.58 40.57 Test channel g Antenna m dB 25.40 31.44 36.72	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55	74.00 -34.74.00 -26.74.00 -23. Polarity 1 Limit Oven dBuV/m limit 74.00 -44.74.00 -32.74.00 -25	.98 Peak .28 Peak .10 Peak .43 Peak Horizontal er Remark mit .38 Peak .96 Peak
	3 4 Mark 1 2 3 4	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81	31.40 36.58 40.57 Test channel or dB 25.40 31.44 36.72 40.20 Test channel	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73	74.00 -34 74.00 -26 74.00 -23 Polarity 1 Limit Ove m dBuV/m lin 74.00 -44 74.00 -32 74.00 -25 74.00 -24 Polarity	Peak Peak Peak Peak Horizontal Per Remark Mit Remark Peak Peak Peak Peak Vertical
	3 4 Mark 1 2	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81 802.11n(H	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81 HT20)	31.40 36.58 40.57 Test channel ag Antenna an dB 25.40 31.44 36.72 40.20 Test channel	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88 H11	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73	74.00 -34.74.00 -26.74.00 -23.00 Polarity 1 Limit Ove department of the control	Peak Peak Peak Peak Peak Peak Peak Peak
	3 4 Mark 1 2 3 4	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81 802.11n(H	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81 HT20)	31.40 36.58 40.57 Test channel ag Antenna am dB 25.40 31.44 36.72 40.20 Test channel Test channel	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60 Cable dB	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88 H11	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73 Leve dBuV/	74.00 -34.74.00 -26.74.00 -23.00 -23.00 -23.00 -24.00 -25.74.00 -24.00 -	Peak Peak Peak Peak Peak Peak Peak Peak
	3 4 Mark 1 2 3 4 Mark	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81 802.11n(H Frequency MHz 1141.53	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81 HT20) Readin dBuV/ 35.76	31.40 36.58 40.57 Test channel ag Antenna m dB 25.40 31.44 36.72 40.20 Test channel Test channel ag Antenna dB 25.40	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60 Cable dB 5.02	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88 H11 Preamp dB 36.80	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73 Leve dBuV/ 29.38	74.00 -34.74.00 -26.74.00 -23.00 -23.00 -23.00 -24.00 -25.74.00 -24.00 -	Peak Peak Peak Peak Peak Peak Peak Peak
	3 4 Mark 1 2 3 4	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81 802.11n(H Frequency MHz 1141.53 4920.96	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81 HT20) Readin dBuV/ 35.76 33.66	31.40 36.58 40.57 Test channel ag Antenna m dB 25.40 31.44 36.72 40.20 Test channel Test channel ag Antenna dB 25.40 31.44	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60 Cable dB 5.02 11.51	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88 H11 Preamp dB 36.80 35.21	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73 Leve dBuV/ 29.38 41.40	74.00 -34. 74.00 -26. 74.00 -23. Polarity 1 Limit Ove M dBuV/m lin 74.00 -32. 74.00 -24 Polarity 1 Limit Ove M dBuV/m lin 74.00 -44. 74.00 -32.	Peak Peak Peak Peak Peak Peak Peak Peak
	3 4 Mark 1 2 3 4 Mark	4883.52 7508.69 10888.51 802.11n(H Frequency MHz 1127.09 4920.96 7880.77 10750.81 802.11n(H Frequency MHz 1141.53	32.00 31.02 30.08 HT20) Readin dBuV/ 36.06 33.30 30.60 29.81 HT20) Readin dBuV/ 35.76	31.40 36.58 40.57 Test channel ag Antenna m dB 25.40 31.44 36.72 40.20 Test channel mg Antenna dB 25.40 31.44 36.59	11.50 14.17 16.68 Cable dB 5.00 11.51 14.54 16.60 Cable dB 5.02	35.18 33.87 36.76 H11 Preamp dB 36.84 35.21 33.31 36.88 H11 Preamp dB 36.80	39.72 47.90 50.57 Leve dBuV/ 29.62 41.04 48.55 49.73 Leve dBuV/ 29.38	74.00 -34. 74.00 -26. 74.00 -23. Polarity 1 Limit Ove M dBuV/m lin 74.00 -32. 74.00 -24 Polarity 1 Limit Ove M dBuV/m lin 74.00 -44. 74.00 -32. 74.00 -32. 74.00 -32. 74.00 -26.	Peak Peak Peak Peak Peak Peak Peak Peak

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6. TEST SETUP PHOTOS

Radiated Emission

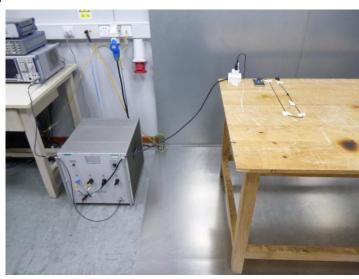






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AC Conducted Emission



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No. : CHTEW21070115.

8. APPENDIX REPORT