

# WF TASTEMAKERS TRADING LIMITED

**TEST REPORT** 

#### **SCOPE OF WORK**

FCC TESTING-POL-W-08074

#### **REPORT NUMBER**

SZHH01495604-001

#### **ISSUE DATE**

[REVISED DATE]

DECEMBER 14, 2020 [-----]

**PAGES** 

73

#### **DOCUMENT CONTROL NUMBER**

FCC ID 247\_b © 2017 INTERTEK





### WF TASTEMAKERS TRADING LIMITED

**Application For Certification** 

FCC ID: 2APXH8074

**Photo Booth** 

Model: POL-W-08074 Additional Model: POL-R-08074

**Brand Name: POLAROID** 

2.4GHz Wi-Fi Transceiver

Report No.: SZHH01495604-001

We hereby certify that the sample of the above item is considered to comply with the requirements of FCC Part 15, Subpart C for Intentional Radiator, mention 47 CFR [10-1-19]

Prepared and Checked by:	Approved by:
Sign on file	
Terry Tang Assistant Supervisor	Kidd Yang Technical Supervisor Date: December 14, 2020

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#### Intertek Testing Service Shenzhen Ltd. Longhua Branch

101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community GuanHu Subdistrict, LongHua District, Shenzhen, People's Republic of China Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6751

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# **MEASUREMENT/TECHNICAL REPORT**

# **Photo Booth**

Model: POL-W-08074

**FCC ID: 2APXH8074** 

This report concerns (check one)	Original Grant	Y Class II	Change	
This report concerns (check one) Original Grant X Class II Change				
Equipment Type: DTS - Part 15 Dig	gital Transmissior	<u>n Systems (Wi</u>	-Fi transi	<u>mitter</u>
portion)				
Deferred grant requested per 47 CFR	R 0.457(d)(1)(ii)?	Yes	No _	X
		If yes, defer ur	ntil :	
Company Name agrees to notify the	Commission by:			
		date		
of the intended date of announcemen on that date.	t of the product so	that the grant	can be is	sued
Transition Rules Request per 15.37?		Yes	No	Χ
If no, assumed Part 15, Subpart C for intentional radiator - the new 47 CFR [10-01-19] Edition] provision.				
Report prepared by:				
Terry Tang				
Intertek Testing Services Shenzhen Ltd. Longhua Branch				
101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community GuanHu Subdistrict, LongHua District, Shenzhen, People's Republic of		rict,		
(	China Tel: (86 755) 8601			

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## 1.0 Summary of Test Results

Applicant: WF TASTEMAKERS TRADING LIMITED

Applicant Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza, 1 Science

Museum Road, TST East Hong Kong

Manufacturer: WF TASTEMAKERS TRADING LIMITED

Manufacturer Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower Concordia Plaza, 1

Science Museum Road, TST East Hong Kong

Model: POL-W-08074

**FCC ID: 2APXH8074** 

TEST ITEM	REFERENCE	RESULTS
Max. Output power	15.247(b)(3)	Pass
6 dB Bandwidth	15.247(a)(2)	Pass
Max. Power Density	15.247(e)	Pass
Out of Band Antenna Conducted Emission	15.247(d)	Pass
Radiated Emission in Restricted Bands	15.247(d)	Pass
AC Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass (See Notes)

Notes: The EUT uses an Integral Antenna which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

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#### 2.0 General Description

#### 2.1 Product Description

The Equipment Under Test (EUT) is a Photo Booth with Wi-Fi function operating at 2412-2462MHz for 802.11b/g/n-HT20, 11 channels with 5MHz channel spacing and 2422-2452MHz for 802.11n-HT40, 7 channels with 5MHz channel spacing. The EUT is powered by DC 12V with AC/DC adaptor. For more detailed features description, please refer to the user's manual.

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The Model: POL-R-08074 is the same as the Model: POL-W-08074 in hardware and electrical aspect. The difference in appearance and model number serves as marketing strategy.

Type of Modulation: Type of Modulation: BPSK, QPSK, 16QAM, 64QAM for OFDM;

CCK, DQPSK, DBPSK for DSSS. Antenna Type: Integral Antenna

Antenna Gain: 2dBi.

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

#### 2.2 Related Submittal(s) Grants

This is an application for certification of:

DTS- Part 15 Digital Transmission Systems (2.4GHz Wi-Fi transmitter portion).

Remaining portions are subject to the following procedures:

- 1. Receiver portion of WiFi: exempt from technical requirement of this Part.
- 2. Other Digital Function: Subject to FCC Part 15B SDOC.

#### 2.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013) and KDB 558074 D01 v05r02. Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "Justification Section" of this Application.

#### 2.4 Test Facility

The Semi-anechoic chamber and shielded room used to collect the radiated data and conducted data are **Intertek Testing Services Shenzhen Ltd. Longhua Branch** and located at 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community GuanHu Subdistrict, LongHua District, Shenzhen, People's Republic of China. This test facility and site measurement data have been fully placed on file with the FCC (Registration Number: CN1188).

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#### 3.0 System Test Configuration

#### 3.1 Justification

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. The EUT was powered by DC 12V with AC/DC adaptor during the test. Only the worst case mode is shown in the report.

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On 802.11b/g/n-HT20/n-HT40 mode, only one antenna is used, and all data rate were tested and only the worst case data is shown in the report.

For maximizing emissions, the EUT was rotated through 360°, the EUT was placed on the styrene turntable with 0.8m up to 1GHz and 1.5 m above 1GHz. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

The EUT and transmitting antenna was centered on the turntable.

Radiated emission measurement were performed the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

#### 3.2 EUT Exercising Software

The EUT exercise program (provided by applicant) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The worst case configuration is used in all specified testing.

Test software: REALTEK WLAN Test Tool, Version: 2.3.0, Date: 2018/06/20

#### The parameters of test software setting:

During the test, Channel and power controlling software provided by the applicant was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the application and is going to be fixed on the firmware of the end product.

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#### 3.3 Special Accessories

AC/DC adaptor output cable with a ferrite core.

#### 3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

### 3.5 Equipment Modification

Any modifications installed previous to testing by WF TASTEMAKERS TRADING LIMITED will be incorporated in each production model sold / leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd. Longhua Branch.

# 3.6 Support Equipment List and Description

This product was tested in the following configuration:

#### Refer List:

Description	Manufacturer	Model No.
AC-DC adaptor (Provided by Applicant)	BLUE IRON HOLDINGS LIMITED	BI65-120400-E2 Input: AC100-240V, 50/60Hz 2A Max. Output: DC 12V, 4A
Micro SD card (Provided by Intertek)	Kingston	SDC4/4G

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Date of Test: October 23, 2020 Model: POL-W-08074

#### 4.0 Measurement Results

# 4.1 Maximum Conducted Output Power at Antenna Terminals, FCC Rules 15.247(b)(3):

The antenna power of the EUT was connected to the input of a broadband peak RF power meter. The power meter have a video bandwidth that is greater than DTS bandwidth and utilize a fast-responding diode detector. Power was read directly at the EUT antenna terminals with cable loss added.

For antennas with gains of 6 dBi or less, maximum allowed Transmitter output is 1 watt (+30 dBm).

IEEE 802.11b (Antenna Gain = 2 dBi) (16QAM, 6Mbps)		
Frequency (MHz)  Output in dBm (Peak Reading)  Output in mWatt		Output in mWatt
Low Channel: 2412	2.1	1.6
Middle Channel: 2437	2.7	1.9
High Channel: 2462	2.9	1.9

IEEE 802.11g (Antenna Gain = 2 dBi) (16QAM, 6Mbps)		
Frequency (MHz)	Output in dBm (Peak Reading)	Output in mWatt
Low Channel: 2412	9.4	8.7
Middle Channel: 2437	9.9	9.8
High Channel: 2462	10.3	10.7

IEEE 802.11n-HT20 (Antenna Gain = 2 dBi) (64QAM, 6Mbps)		
Frequency (MHz)	Output in dBm (Peak Reading)	Output in mWatt
Low Channel: 2412	8.8	7.6
Middle Channel: 2437	9.3	8.5
High Channel: 2462	9.7	9.3

IEEE 802.11n-HT40 (Antenna Gain = 2 dBi) (64QAM, 6Mbps)		
Frequency (MHz)  Output in dBm (Peak Reading)  Output in mWatt		
Low Channel: 2422	9.1	8.1
Middle Channel: 2437	9.4	8.7
High Channel: 2452	9.8	9.5

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Cable loss: 1.0 dB External Attenuation: 0 dB

Cable loss, external attenuation has been included in OFFSET function

EUT max. output level = 10.3dBm

EUT max. E.I.R.P= 10.3dBm + 2 dBi =12.3dBm =17.0mW

For RF Exposure, the information is saved with filename: RF exposure.pdf.

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Date of Test: October 23, 2020 Model: POL-W-08074

## 4.2 Minimum 6 dB RF Bandwidth, FCC Rule 15.247(a) (2):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 KHz according to FCC KDB 558074 D01 v05r02. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

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Limit: The 6 dB Bandwidth is at least 500 kHz.

IEEE 802.11b (16QAM, 6Mbps)		
Frequency (MHz)	6 dB Bandwidth (MHz)	
2412	9.551	
2437	9.030	
2462	9.074	

IEEE 802.11g (16QAM, 6Mbps)		
Frequency (MHz)	6 dB Bandwidth (MHz)	
2412	16.671	
2437	16.671	
2462	16.628	

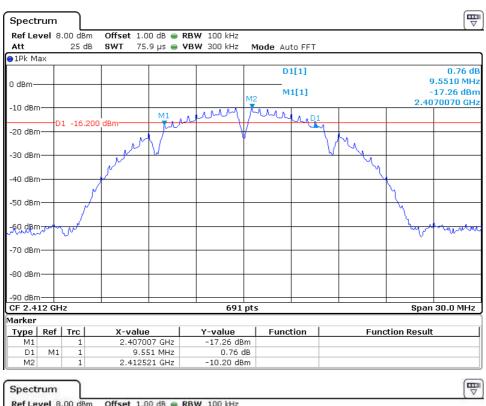
IEEE 802.11n-HT20 (64QAM, 6Mbps)		
Frequency (MHz)	6 dB Bandwidth (MHz)	
2412	17.844	
2437	17.974	
2462	17.931	

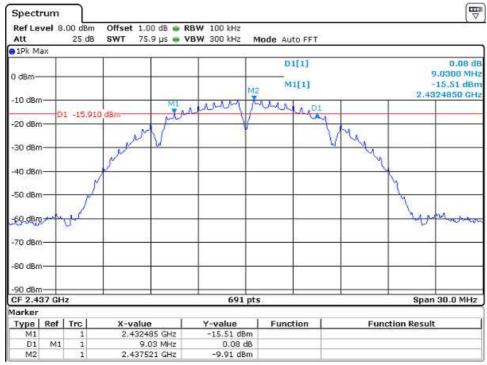
IEEE 802.11n-HT40 (64QAM, 6Mbps)		
Frequency (MHz)	6 dB Bandwidth (MHz)	
2422	36.643	
2437	36.643	
2452	36.556	

The test plots are attached as below.

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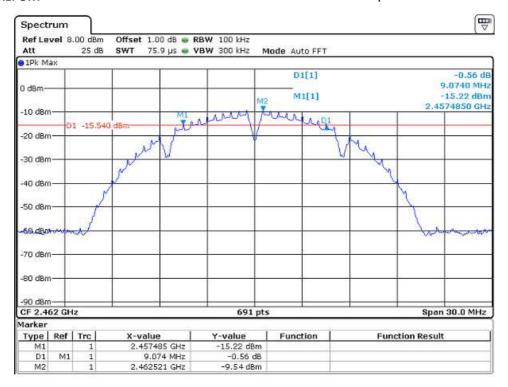
#### 802.11b





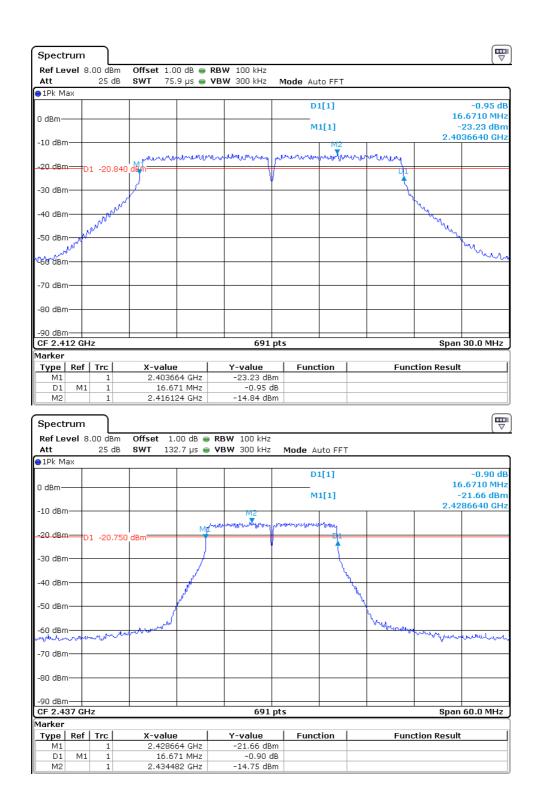
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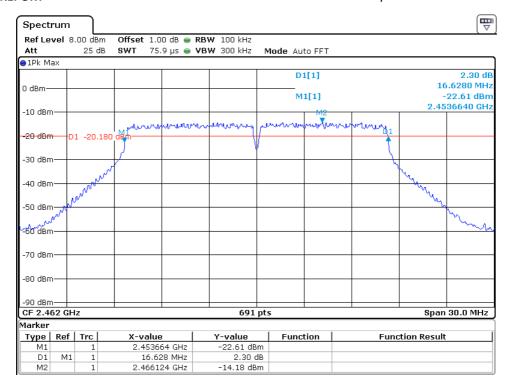


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802.11g





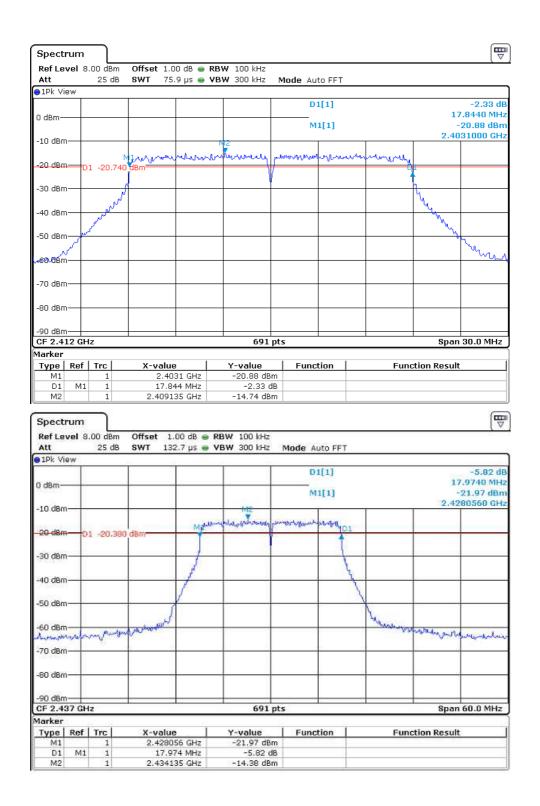


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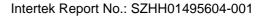


802.11n-HT20

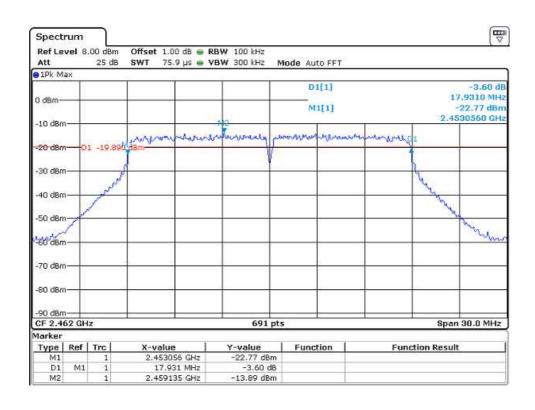
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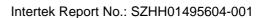


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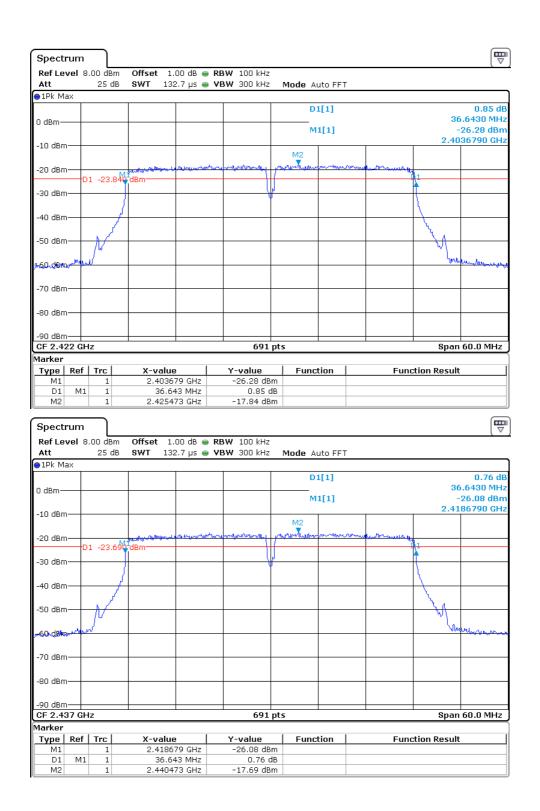






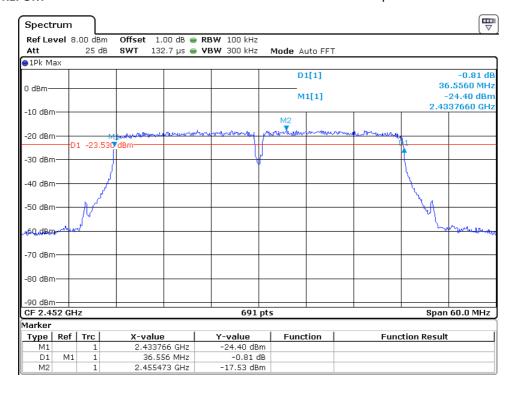


#### 802.11n-HT40



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### 4.3 Maximum Power Density Reading, FCC Rule 15.247(e):

The Measurement Procedure PKPSD was set according to the FCC KDB 558074 D01 v05r02.

Antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

Limit: The Power Density does not exceed 8dBm/3 kHz.

IEEE 802.11b (16QAM, 6Mbps)		
Frequency (MHz)	Power Density with RBW 100KHz	
2412	-10.11	
2437	-9.90	
2462	-9.50	

IEEE 802.11g (16QAM, 6Mbps)		
Frequency (MHz)	Power Density with RBW 100KHz	
2412	-15.15	
2437	-14.90	
2462	-14.60	

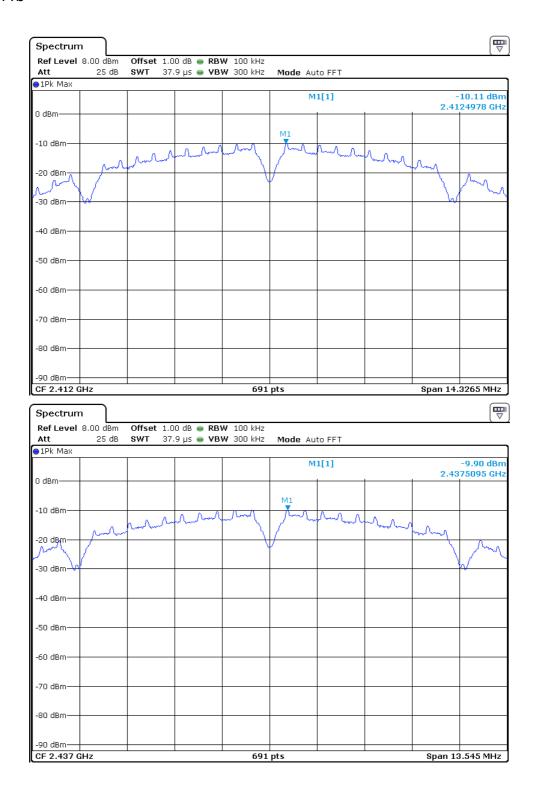
IEEE 802.11n-HT20 (64QAM, 6Mbps)	
Frequency (MHz)	Power Density with RBW 100KHz
2412	-14.82
2437	-14.39
2462	-13.92

IEEE 802.11n-HT40 (64QAM, 6Mbps)	
Frequency (MHz)	Power Density with RBW 100KHz
2422	-18.09
2437	-17.92
2452	-17.58

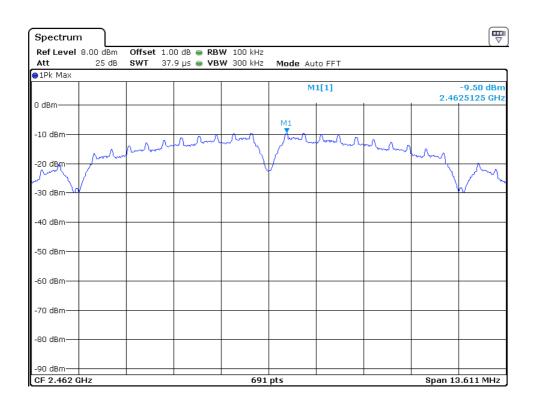
The test plots are attached as below.

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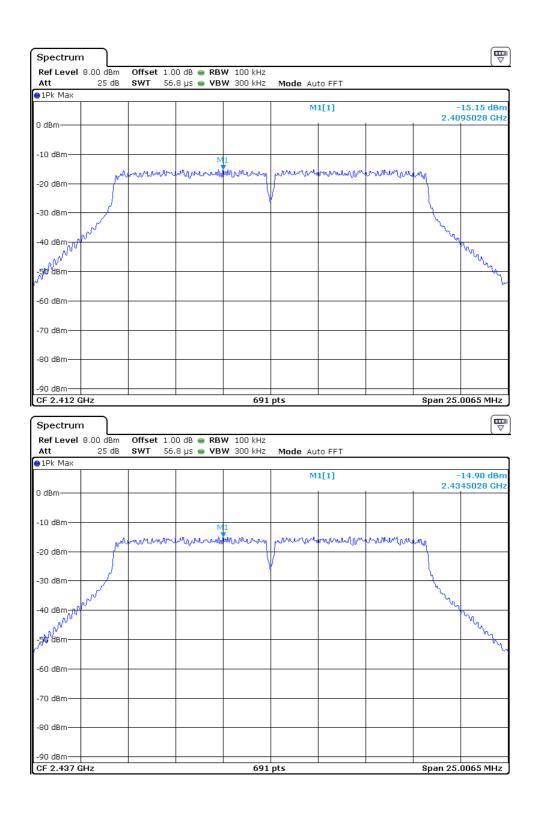
802.11b



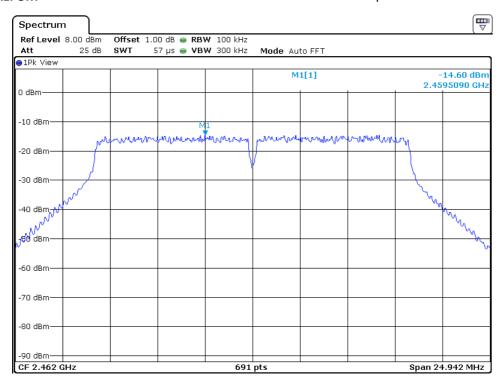




802.11g



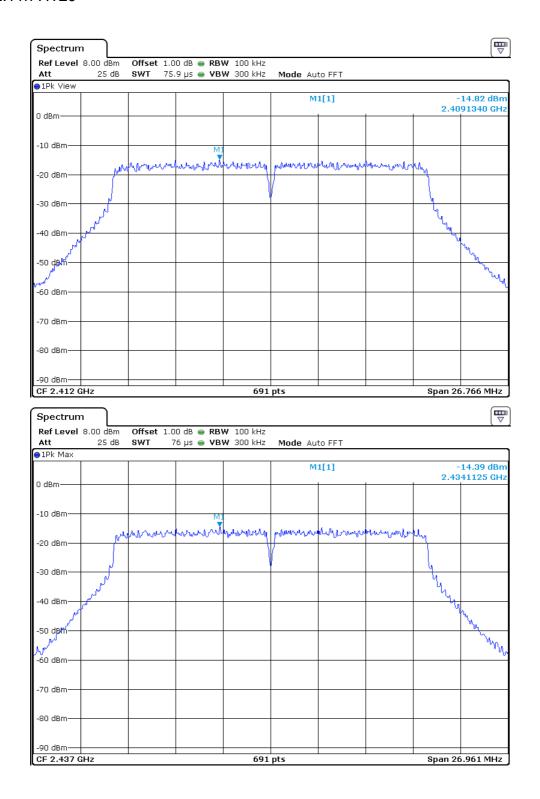




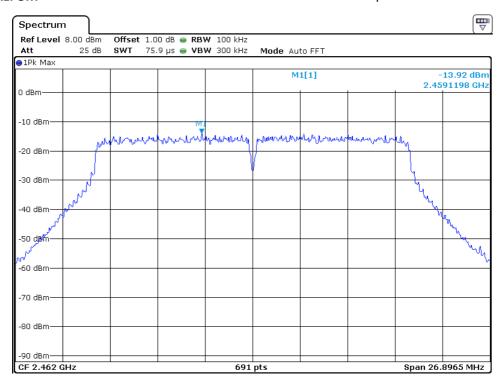
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802.11n-HT20



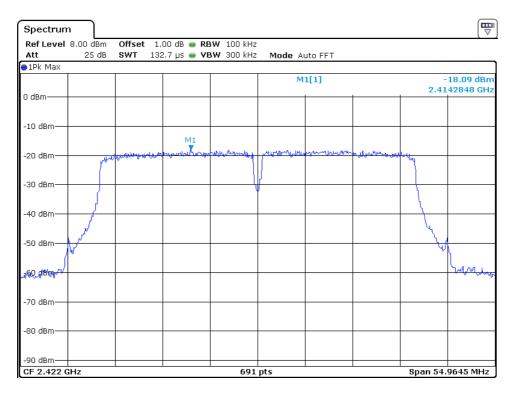


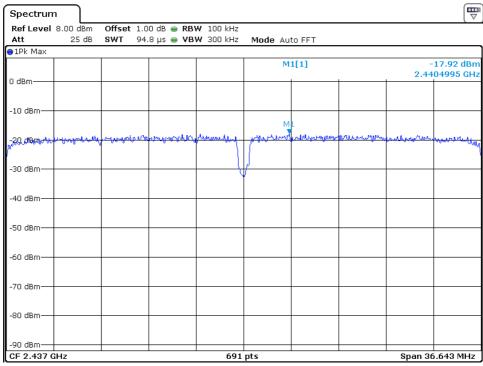


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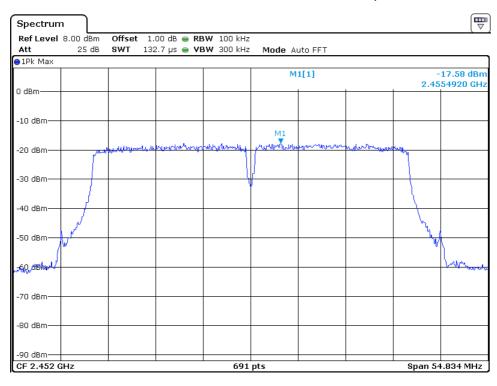
#### 802.11n-HT40





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### 4.4 Out of Band Conducted Emissions, FCC Rule 15.247(d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. The Measurement Procedure was set according to the FCC KDB 558074 D01 v05r02.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the passband.

Refer to the attached test plots for out of band conducted emissions data with rate of 1Mbps for 802.11b and 6Mbps for 802.11g and 6Mbps for 802.11n-HT20 and 13.5Mbps for 802.11n-HT40.

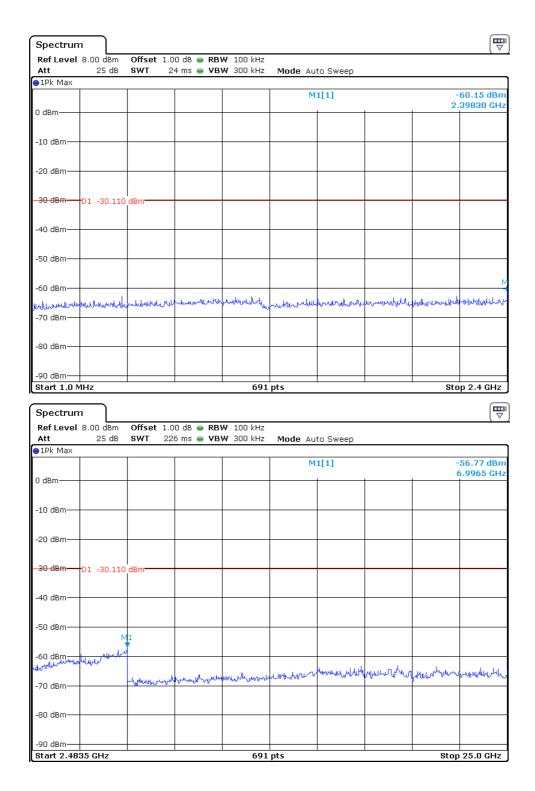
The test plots showed all spurious emission up to the tenth harmonic were measured and they were found to be at least 20 dB below the highest level of the desired power in the passband.

The test plots are attached as below.

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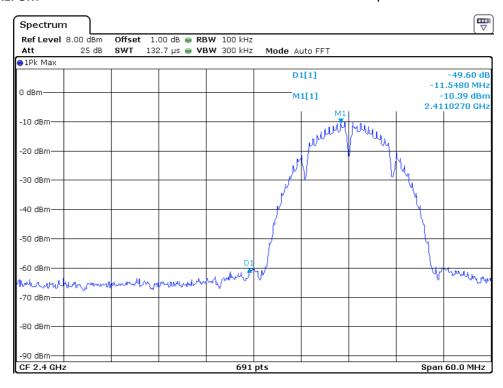


802.11b Channel 01 (2412MHz) Reference Level: -10.11dBm



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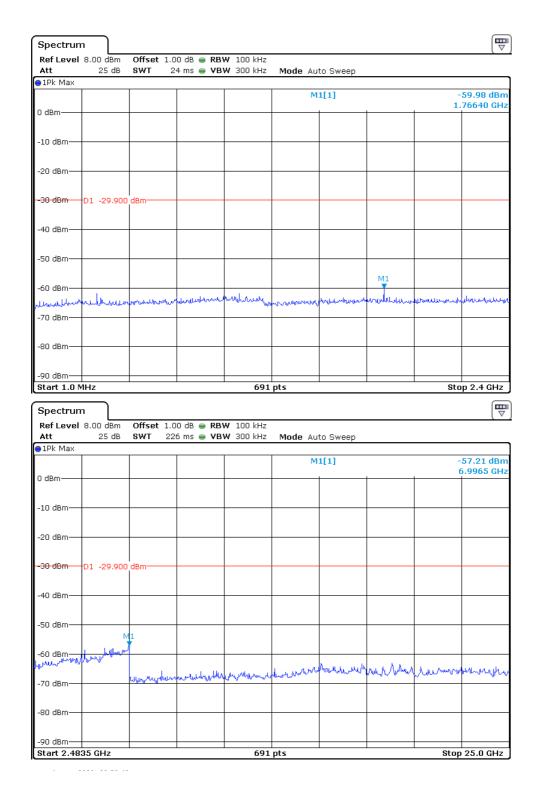




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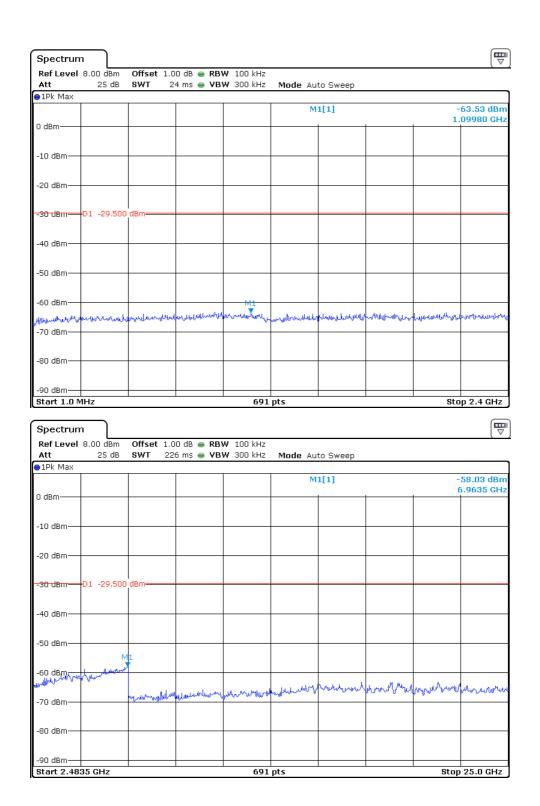
# Channel 06 (2437MHz) Reference Level: -9.90dBm



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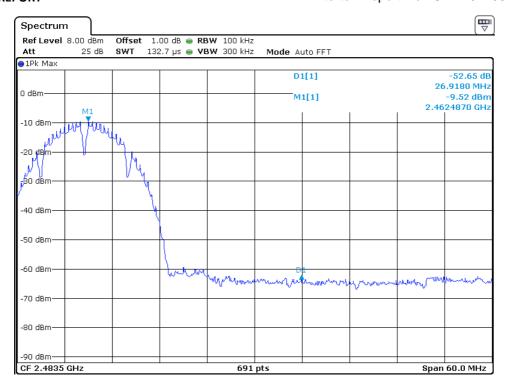


# Channel 11 (2462MHz) Reference Level: -9.50dBm



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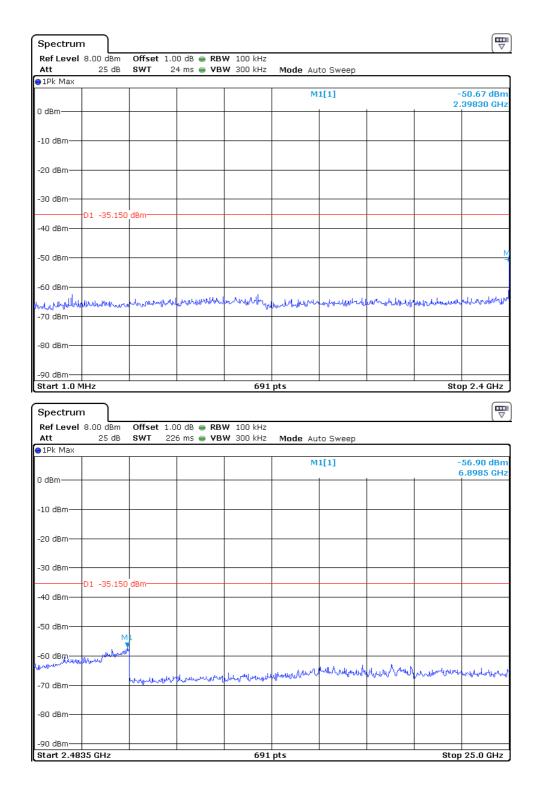




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802.11g Channel 01 (2412MHz) Reference Level: -15.15dBm



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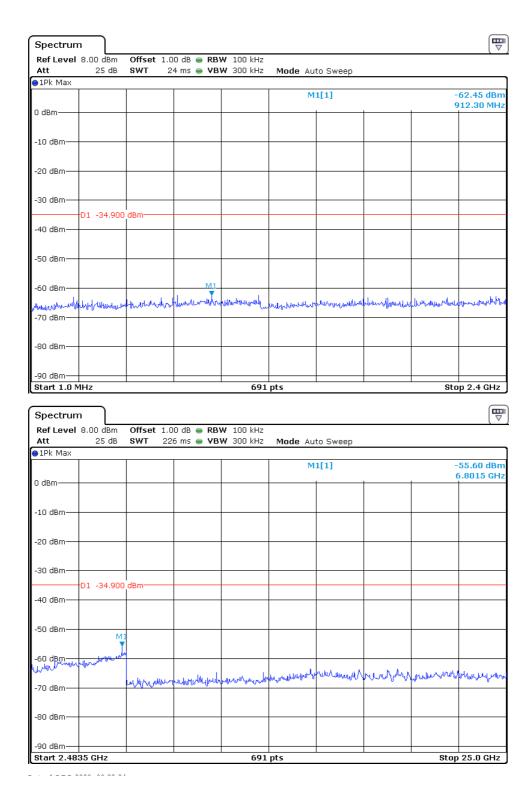




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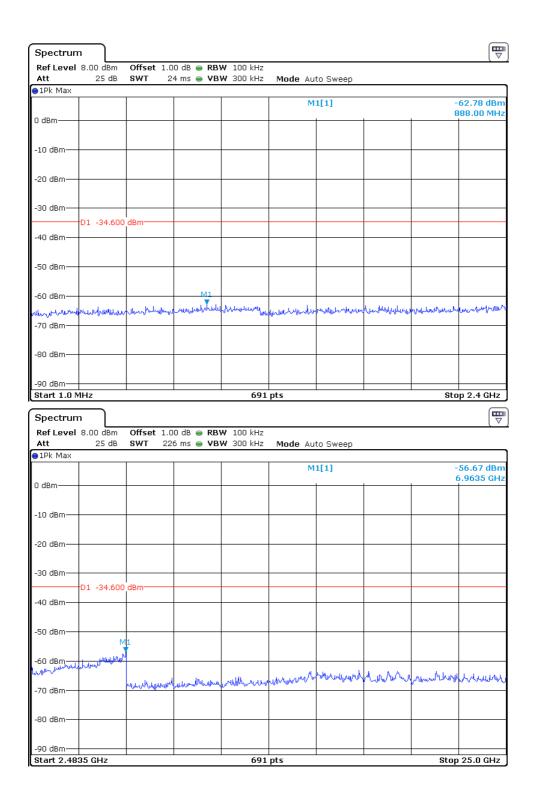
# Channel 06 (2437MHz) Reference Level: -14.90dBm



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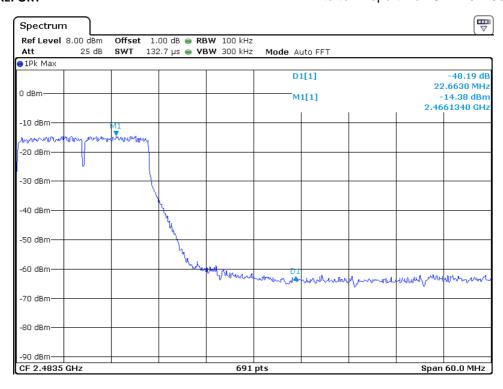


# Channel 11 (2462MHz) Reference Level: -14.60dBm



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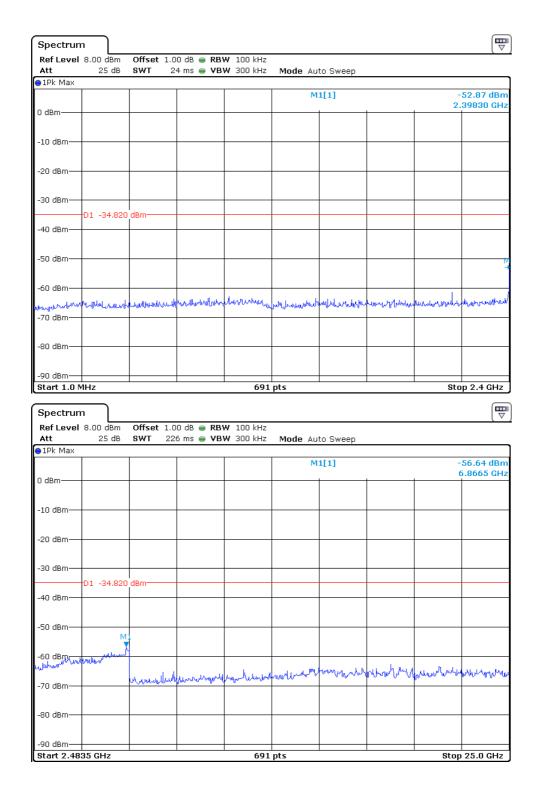


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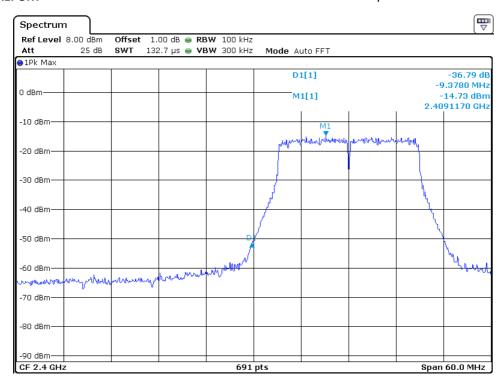
#### 802.11n-HT20

Channel 01 (2412MHz) Reference Level: -14.82dBm



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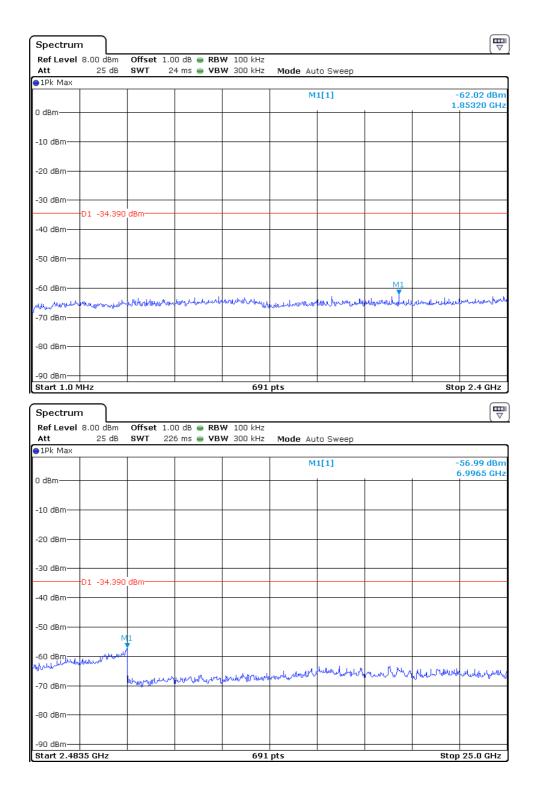




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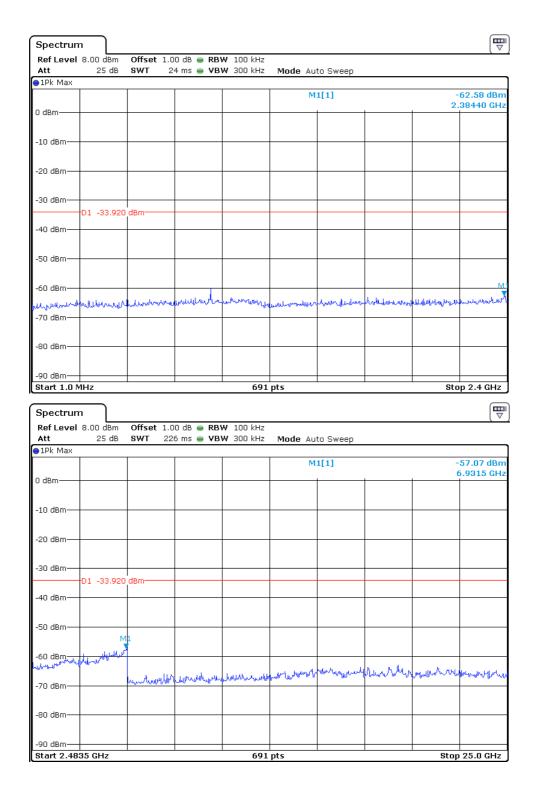
# Channel 06 (2437MHz) Reference Level: -14.39dBm



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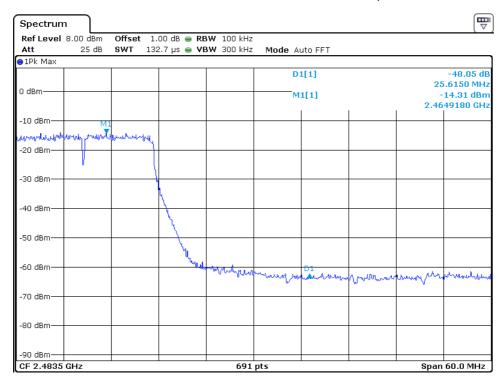


# Channel 11 (2462MHz) Reference Level: -13.92dBm



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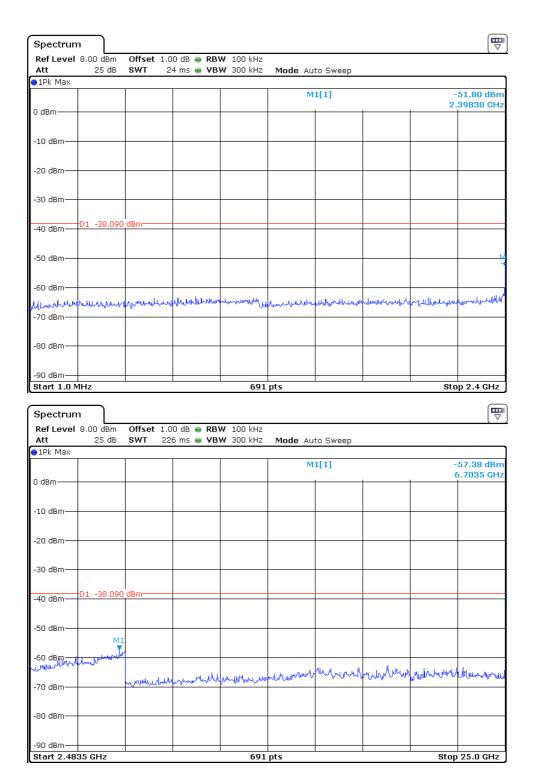




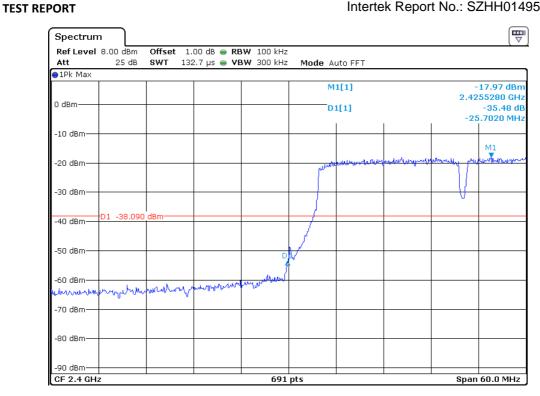
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802.11n-HT40 Channel 01 (2422MHz) Reference Level: -18.09dBm



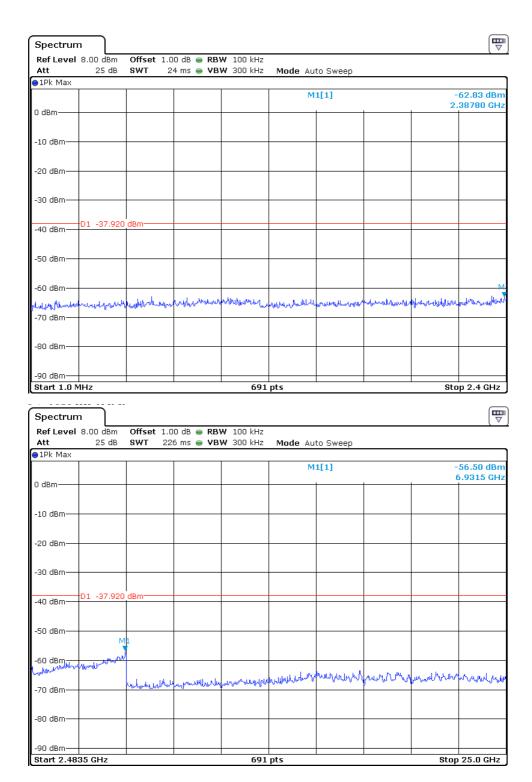
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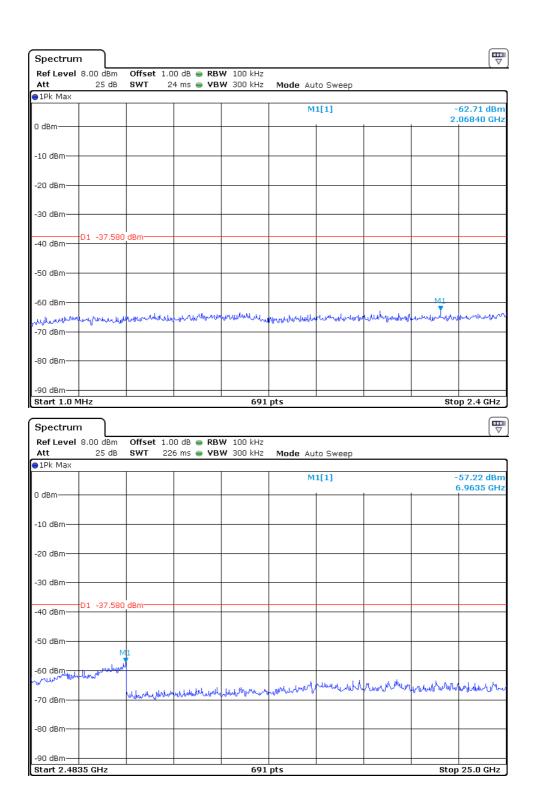
# Channel 06 (2437MHz) Reference Level: -17.92dBm



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# Channel 11 (2452MHz) Reference Level: -17.58dBm



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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

4.5 Out of Band Radiated Emissions (for emissions in 4.4 above that are less than 20dB below carrier), FCC Rule 15.247(d):

Intertek Report No.: SZHH01495604-001

For out of band emissions that are close to or that exceed the 20dB attenuation requirement described in the specification, radiated measurements were performed at a 3m separation distance to determine whether these emissions complied with the general radiated emission requirement.

[×] Not required, since all emissions are more than 20dB below fundamental [ ] See attached data sheet

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

#### 4.6 Transmitter Radiated Emissions in Restricted Bands, FCC Rule 15.35(b) (c):

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

#### 4.7 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD

Where  $FS = Field Strength in dB\mu V/m$ 

RA = Receiver Amplitude (including preamplifier) in  $dB\mu V$ 

CF = Cable Attenuation Factor in dB

AF = Antenna Factor in dB AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

FS = RA + AF + CF - AG + PD

#### Example

Assume a receiver reading of  $62.0~dB\mu V$  is obtained. The antenna factor of 7.4~dB and cable factor of 1.6~dB is added. The amplifier gain of 29~dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0~dB. The net field strength for comparison to the appropriate emission limit is  $42~dB\mu V/m$ . This value in  $dB\mu V/m$  was converted to its corresponding level in  $\mu V/m$ .

RA =  $62.0 \text{ dB}\mu\text{V}$ AF = 7.4 dBCF = 1.6 dBAG = 29.0 dBPD = 0 dBFS =  $62 + 7.4 + 1.6 - 29 + 0 = 42 \text{ dB}\mu\text{V/m}$ 

Level in mV/m = Common Antilogarithm [(42 dB $\mu$ V/m)/20] = 125.9  $\mu$ V/m

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

# 4.8 Radiated Spurious Emission

Worst Case Radiated Spurious Emission at 443.220000MHz

Judgement: Passed by 8.9dB margin.

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

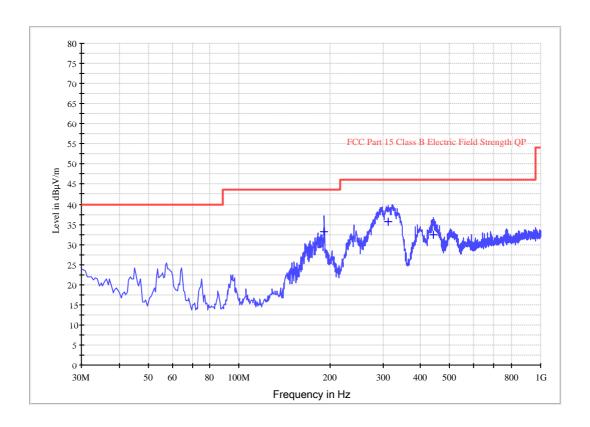
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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074 Worst Case Operating Mode: Transmitting (802.11b-Channel 01)

**ANT Polarity: Horizontal** 



Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
191.990000	33.2	1000.0	120.000	Н	12.9	10.3	43.5
313.000000	35.7	1000.0	120.000	Н	17.2	10.3	46.0
441.280000	32.4	1000.0	120.000	Н	20.9	13.6	46.0

#### Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. QuasiPeak (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
- 3. Margin (dB) = Limit Line(dB $\mu$ V/m) Level (dB $\mu$ V/m)

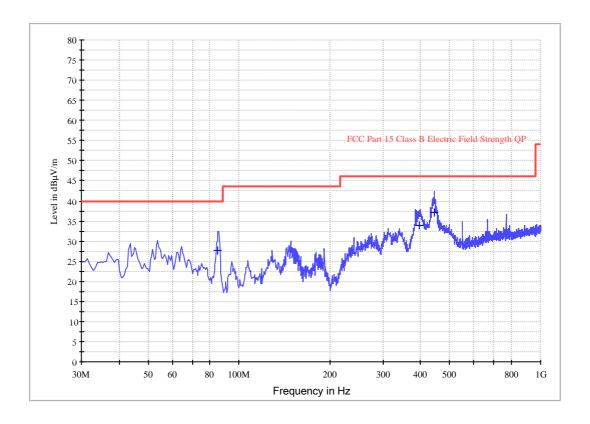
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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074 Worst Case Operating Mode: Transmitting (802.11b-Channel 01)

**ANT Polarity: Vertical** 



Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
85.290000	27.7	1000.0	120.000	٧	9.4	12.3	40.0
396.175000	34.0	1000.0	120.000	٧	19.6	12.0	46.0
443.220000	37.1	1000.0	120.000	V	20.9	8.9	46.0

#### Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. QuasiPeak ( $dB\mu V/m$ )= Corr. (dB/m)+ Read Level ( $dB\mu V$ )
- 3. Margin (dB) = Limit Line(dB $\mu$ V/m) Level (dB $\mu$ V/m)

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11b-Channel 01)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	50.6	36.1	34.2	48.7	74.0	-25.3
Horizontal	*2383.220	36.7	34.7	33.1	35.1	74.0	-38.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizonta	*4824.000	41.2	36.1	34.2	39.3	54.0	-14.7
Horizontal	*2383.220	24.8	34.7	33.1	23.2	54.0	-30.8

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz/VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11b-Channel 06)

#### **Radiated Emissions**

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
ſ	Horizontal	*4874.000	49.1	36.1	34.6	47.6	74.0	-26.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	40.5	36.1	34.6	39.0	54.0	-15.0

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11b-Channel 11)

#### **Radiated Emissions**

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
	Horizontal	*4924.000	49.9	36.1	34.6	48.4	74.0	-25.6
ſ	Horizontal	*2489.200	30.8	35.6	37.2	32.4	74.0	-41.6

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Γ	Horizontal	*4924.000	40.7	36.1	34.6	39.2	54.0	-14.8
Ī	Horizontal	*2489.200	21.8	35.6	37.2	23.4	54.0	-30.6

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11g-Channel 01)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	50.1	36.1	34.2	48.2	74.0	-25.8
Horizontal	*2381.230	34.1	34.7	33.1	32.5	74.0	-41.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	40.9	36.1	34.2	39.0	54.0	-15.0
Horizontal	*2381.230	25.4	34.7	33.1	23.8	54.0	-30.2

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz/VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11g-Channel 06)

#### **Radiated Emissions**

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
ĺ	Horizontal	*4874.000	49.9	36.1	34.6	48.4	74.0	-25.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.0	36.1	34.6	39.5	54.0	-14.5

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11g-Channel 11)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	49.9	36.1	34.6	48.4	74.0	-25.6
Horizontal	*2486.200	30.9	35.6	37.2	32.5	74.0	-41.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.1	36.1	34.6	39.6	54.0	-14.4
Horizontal	*2486.200	21.3	35.6	37.2	22.9	54.0	-31.1

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11n-HT20-Channel 01)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	50.4	36.1	34.2	48.5	74.0	-25.5
Horizontal	*2385.100	31.7	34.7	33.1	30.1	74.0	-43.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.0	36.1	34.2	39.1	54.0	-14.9
Horizontal	*2385.100	24.8	34.7	33.1	23.2	54.0	-30.8

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz/VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802. 11n-HT20-Channel 06)

#### **Radiated Emissions**

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
ĺ	Horizontal	*4874.000	50.5	36.1	34.6	49.0	74.0	-25.0

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	40.8	36.1	34.6	39.3	54.0	-14.7

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802. 11n-HT20-Channel 11)

#### **Radiated Emissions**

Polariza	ation	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizo	ntal	*4924.000	49.9	36.1	34.6	48.4	74.0	-25.6
Horizo	ntal	*2488.100	30.7	35.6	37.2	32.3	74.0	-41.7

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.0	36.1	34.6	39.5	54.0	-14.5
Horizontal	*2488.100	21.9	35.6	37.2	23.5	54.0	-30.5

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802.11n-HT40-Channel 03)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	50.6	36.1	34.2	48.7	74.0	-25.3
Horizontal	*2386.300	32.2	34.7	33.1	30.6	74.0	-43.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	41.3	36.1	34.2	39.4	54.0	-14.6
Horizontal	*2386.300	24.9	34.7	33.1	23.3	54.0	-30.7

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz/VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802. 11n-HT40-Channel 06)

#### **Radiated Emissions**

Po	olarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Н	orizontal	*4874.000	50.2	36.1	34.6	48.7	74.0	-25.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	40.7	36.1	34.6	39.2	54.0	-14.8

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

Operating Mode: Transmitting (802. 11n-HT40-Channel 9)

#### **Radiated Emissions**

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	50.0	36.1	34.6	48.5	74.0	-25.5
Horizontal	*2488.100	30.8	35.6	37.2	32.4	74.0	-41.6

	Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain (dB)	Antenna Factor (dB)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Γ	Horizontal	*4904.000	40.9	36.1	34.6	39.4	54.0	-14.6
Γ	Horizontal	*2488.100	22.1	35.6	37.2	23.7	54.0	-30.3

NOTES: 1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- \* Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

#### 4.9 Conducted Emission at Mains Terminal

For electronic filing, the worst case conducted emission configuration photograph is saved with filename: conducted photos.pdf.

Worst Case Conducted Configuration

at 2.466000 MHz

Judgement: Passed by 6.0 dB margin

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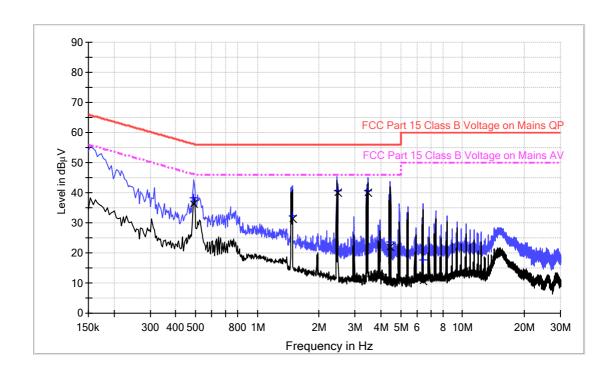


Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074 Worst Case Operating Mode: Transmitting (802.11b-Channel 01)

Phase: Live

# Graphic / Data Table Conducted Emissions Pursuant to FCC 15.207: Emissions Requirement



### **Result Table QP**

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.487500	38.3	9.000	L1	9.7	17.9	56.2
1.482000	32.2	9.000	L1	9.7	23.8	56.0
2.466000	40.6	9.000	L1	9.7	15.4	56.0
3.450000	40.8	9.000	L1	9.7	15.2	56.0
4.454000	23.8	9.000	L1	9.7	32.2	56.0
6.410000	17.7	9.000	L1	9.8	42.3	60.0

# **Result Table AV**

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.487500	36.2	9.000	L1	9.7	10.0	46.2
1.482000	31.5	9.000	L1	9.7	14.5	46.0
2.466000	40.0	9.000	L1	9.7	6.0	46.0
3.450000	40.0	9.000	L1	9.7	6.0	46.0
4.454000	21.9	9.000	L1	9.7	24.1	46.0
6.410000	10.6	9.000	L1	9.8	39.4	50.0

#### Remark:

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) = Limit (dBuV) Level (dBuV)

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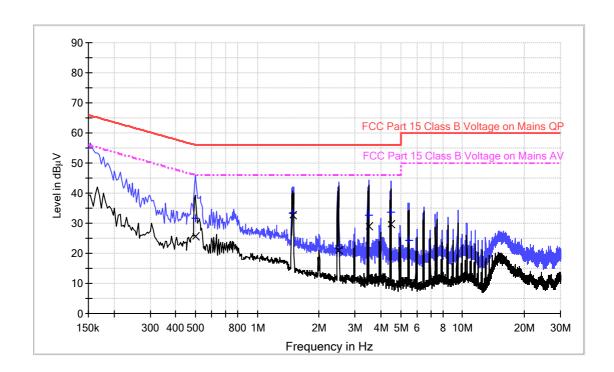


Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074 Worst Case Operating Mode: Transmitting (802.11b-Channel 01)

Phase: Neutral

# Graphic / Data Table Conducted Emissions Pursuant to FCC 15.207: Emissions Requirement



## **Result Table QP**

	·					
Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.498000	31.8	9.000	N	9.5	24.2	56.0
1.490000	33.2	9.000	N	9.5	22.8	56.0
2.490000	21.6	9.000	N	9.5	34.4	56.0
3.490000	32.6	9.000	N	9.6	23.4	56.0
4.486000	33.6	9.000	N	9.6	22.4	56.0
5.482000	24.4	9.000	N	9.6	35.6	60.0

### **Result Table AV**

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.498000	25.6	9.000	N	9.5	20.4	46.0
1.490000	32.6	9.000	N	9.5	13.4	46.0
2.490000	20.9	9.000	N	9.5	25.1	46.0
3.490000	28.9	9.000	N	9.6	17.1	46.0
4.486000	29.8	9.000	N	9.6	16.2	46.0
5.482000	9.9	9.000	N	9.6	40.1	50.0

#### Remark:

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) = Limit (dBuV) Level (dBuV)

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Intertek Report No.: SZHH01495604-001 **TEST REPORT** 

Applicant: WF TASTEMAKERS TRADING LIMITED Date of Test: October 23, 2020 Model: P

Model: POL-W-08074

4 40	Padiated Emissions from Digital Section of Transaciver ECC Bet 15 100
4.10	Radiated Emissions from Digital Section of Transceiver, FCC Ref: 15.109
[ ]	Not required - No digital part
[ ]	Test results are attached
[ x ]	Included in the separated report.

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Applicant: WF TASTEMAKERS TRADING LIMITED

Date of Test: October 23, 2020 Model: POL-W-08074

4.11 Transmitter Duty Cycle Calculation and Measurements, FCC Rule 15.35(b), (c)

Intertek Report No.: SZHH01495604-001

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
Х	Not applicable, duty cycle was not used.

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#### 5.0 Equipment Photographs

For electronic filing, the photographs are saved with filename: external photos.pdf & internal photos.pdf.

#### 6.0 Product Labeling

For electronic filing, the FCC ID label artwork and location is saved with filename: label.pdf.

#### 7.0 Technical Specifications

For electronic filing, the block diagram and circuit diagram are saved with filename: block.pdf and circuit.pdf respectively.

#### 8.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

#### 9.0 Confidentiality Request

For electronic filing, the confidentiality request of the tested EUT is saved with filename: request.pdf.

#### 10.0 <u>Discussion of Pulse Desensitization</u>

The determination of pulse desensitivity was made in accordance with Hewlett Packard Application Note 150-2, *Spectrum Analysis ... Pulsed RF.* 

Pulse desensitivity is not applicable for this device since the transmitter transmits the RF signal continuously.

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# 11.0 <u>Test Equipment List</u>

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	27-May-2020	27-May-2021
SZ182-02-01	Power Sensor	Anritsu	MA2411B	1207429	27-May-2020	27-May-2021
SZ061-13	BiConiLog Antenna	ETS	3142E	00217919	10-Jun-2019	10-Jun-2021
SZ185-01	EMI Receiver	R&S	ESCI	100547	24-Dec-2019	24-Dec-2020
SZ061-08	Horn Antenna	ETS	3115	00092346	7-Sep-2019	7-Sep-2021
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	27-May-2020	27-May-2021
SZ056-03	Spectrum Analyzer	R&S	FSP 30	101148	27-May-2020	27-May-2021
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	27-May-2020	27-May-2021
SZ181-04	Preamplifier	Agilent	8449B	3008A0247 4	27-May-2020	27-May-2021
SZ188-05	Anechoic Chamber	ETS	FACT 3- 2.0	CT001880- Q1391	5-Jun-2018	5-Jun-2021
SZ062-12	RF Cable	RADIALL	RG 213U		24-Aug-2020	24-Feb-2021
SZ062-05	RF Cable	RADIALL	0.04- 26.5GHz		24-Aug-2020	24-Feb-2021
SZ062-13	RF Cable	Habia	0.026- 26.5GHz		24-Aug-2020	24-Feb-2021
SZ067-04	Notch Filter	Micro-Tronics	BRM5070 2-02		27-May-2020	27-May-2021
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	29-Oct-2019	29-Oct-2020
SZ187-01	Two-Line V- Network	R&S	ENV216	100072	29-Oct-2019	29-Oct-2020
SZ187-02	Two-Line V- Network	R&S	ENV216	100073	27-May-2020	27-May-2021
SZ188-03	Shielding Room	ETS	RFD-100	4100	7-Jan-2020	7-Jan-2022

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