Fiture Holding LLC

TEST REPORT

SCOPE OF WORK
FCC Testing–FITURE S1US Classic

REPORT NUMBER
211008053SZN-003

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101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community,
GuanHu Subdistrict, LongHua District, Shenzhen, P.R. China.

Tel: (86 755) 8601 6288
Fax: (86 755) 8601 6751
www.intertek.com

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TEST REPORT

Intertek Report No.: 211008053SZN-003

Fiture Holding LLC

Application
For
Certification

FCC ID: 2A3CUS1US

Smart Mirror

Model: FITURE S1US Classic

2.4GHz Wi-Fi Transceiver

Report No.: 211008053SZN-003

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 [10-1-20]

Prepared and Checked by:

Jeff Liang
Engineer

Approved by:

Sewen Guo
Senior Project Engineer
Date: 03 December 2021

MEASUREMENT/TECHNICAL REPORT

This report concerns (check one) Original Grant X Class II Change _____

Equipment Type: DTS - Part 15 Digital Transmission Systems (Wi-Fi transmitter portion)

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes _____ No X

If yes, defer until: _____ date

Company Name agrees to notify the Commission by: _____ date

of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? Yes _____ No X

If no, assumed Part 15, Subpart C for intentional radiator - the new 47 CFR [10-01-20] Edition] provision.

Report prepared by:

Jeff Liang
Intertek Testing Services Shenzhen Ltd. Longhua Branch
101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community,
GuanHu Subdistrict, LongHua District, Shenzhen, P.R. China.
Tel: (86 755) 8601 6288 Fax: (86 755) 8601 6661

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1.0 Summary of Test results

Applicant: Fiture Holding LLC
Applicant Address: 1013 Centre Road,Suite 403S,Wilmington New Castle Delaware United States
Manufacturer: Fiture Holding LLC
Manufacturer Address: 1013 Centre Road,Suite 403S,Wilmington New Castle Delaware United States

Model: FITURE S1US Classic
FCC ID: 2A3CUS1US

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), 15.209, FCC 15.205	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.

2.0 General Description

2.1 Product Description

The Equipment Under Test (EUT) is a Smart Mirror with 2.4G Wi-Fi function operating at 2412-2462MHz, 5G Wi-Fi function operating in 5150MHz~5250MHz, 5725MHz~5850MHz and Bluetooth 5.0 (dual-mode) function operating in 2402-2480MHz. The EUT is powered by AC120V/60Hz. For more detailed features description, please refer to the user's manual.

Type of Modulation: BPSK, QPSK, 16QAM, 64QAM for OFDM; CCK, DQPSK, DBPSK for DSSS.
Antenna Type: Integral Antenna
Antenna Gain: ANT1: 4.28dBi, ANT2: 4.21dBi

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:
This is an application for certification of a transceiver for the Smart Mirror which has 2.4GHz WIFI function.
For the BT BR/EDR function was tested and demonstrated in report 211008053SZN-001.
For the BT BLE function was tested and demonstrated in report 211008053SZN-002.
For the 5GHz WIFI function was tested and demonstrated in report 211008053SZN-004.
For the other function was tested and demonstrated in FCC SDoC report 211008053SZN-005.

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, P.R. China. This test facility and site measurement data have been fully placed on file with File Number: CN1188.

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 AC120V/60Hz during the test.

On 802.11b/g/n-HT20/n-HT40 mode, two antennas are 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 0.1m. 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 client) 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.

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.

Test software: WLAN Test Tool, Version: 2.6.3

3.3 Special Accessories

N/A.

3.4 Measurement Uncertainty

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

3.5 Equipment Modification

Any modifications installed previous to testing by Fiture Holding LLC 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

N/A

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 has 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).

For MIMO (2Tx), Ant1+Ant2

Directional gain $= 10 \log[(10^{G1/20} + 10^{G2/20})^2 /NANT]$ dBi

$= 10 \log[(10^{4.21/20} + 10^{4.28/20})^2 /2]$ dBi

$= 7.26$dBi > 6dBi

So maximum allowed Transmitter output will reduce to 28.74dBm (748.97mW) for conducted TX power.

SISO:

IEEE 802.11b (CCK, 1Mbps)				
Frequency (MHz)	Output in dBm (Peak Reading)		Output in mWatt	
	Ant 1	Ant 2	Ant 1	Ant 2
Low Channel: 2412	20.30	21.72	107.15	148.59
Middle Channel: 2437	20.66	22.19	116.41	165.58
High Channel: 2462	20.55	21.67	113.50	146.89

IEEE 802.11g (16QAM, 6Mbps)				
Frequency (MHz)	Output in dBm (Peak Reading)		Output in mWatt	
	Ant 1	Ant 2	Ant 1	Ant 2
Low Channel: 2412	26.22	25.83	418.79	382.82
Middle Channel: 2437	26.35	26.03	431.52	400.87
High Channel: 2462	26.18	25.98	414.95	396.28

IEEE 802.11n-HT20 (64QAM, 6.5Mbps)				
Frequency (MHz)	Output in dBm (Peak Reading)		Output in mWatt	
	Ant 1	Ant 2	Ant 1	Ant 2
Low Channel: 2412	26.08	25.79	405.51	379.31
Middle Channel: 2437	26.23	26.02	419.76	399.94
High Channel: 2462	26.10	25.93	407.38	391.74

IEEE 802.11n-HT40 (64QAM, 13.5Mbps)				
Frequency (MHz)	Output in dBm (Peak Reading)		Output in mWatt	
	Ant 1	Ant 2	Ant 1	Ant 2
Low Channel: 2422	26.07	26.02	404.58	399.94
Middle Channel: 2437	26.46	26.18	442.59	414.95
High Channel: 2452	26.25	26.21	421.70	417.83

MIMO:

IEEE 802.11n-HT20 (64QAM, 13Mbps)						
Frequency (MHz)	Output in dBm (Peak Reading)			Output in mWatt		
	Ant 1	Ant 2	Total	Ant 1	Ant 2	Total
Low Channel: 2412	25.55	25.51	28.54	358.92	355.63	714.55
Middle Channel: 2437	25.66	25.75	28.72	368.13	375.84	743.97
High Channel: 2462	25.54	25.67	28.62	358.10	368.98	727.08

IEEE 802.11n-HT40 (64QAM, 27Mbps)						
Frequency (MHz)	Output in dBm (Peak Reading)			Output in mWatt		
	Ant 1	Ant 2	Total	Ant 1	Ant 2	Total
Low Channel: 2422	25.75	25.51	28.64	375.84	355.63	731.47
Middle Channel: 2437	25.78	25.64	28.72	378.44	366.44	744.88
High Channel: 2452	25.62	25.63	28.64	364.75	365.59	730.34

Cable loss: 1.5 dB External Attenuation: 0 dB

Cable loss, external attenuation has been included in OFFSET function

EUT max. output level = 28.72dBm
EUT max. E.I.R.P = 28.72dBm + 7.26dBi = 35.98dBm = 3962.78mW

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

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.

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

Test Result: Please refer to Appendix A of "211008053SZN-003_ Appendix"

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.

Test Result: Please refer to Appendix B of "211008053SZN-003_ Appendix"

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 6.5Mbps 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.

Test Result: Please refer to Appendix C of "211008053SZN-003_ Appendix"

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):

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

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.

Test Result: Please refer to Appendix D of “211008053SZN-003_ Appendix”

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 dBμV/m
RA = Receiver Amplitude (including preamplifier) in dBμV
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 dBμV 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 dBμV/m. This value in dBμV/m was converted to its corresponding level in μV/m.

RA = 62.0 dBμV
AF = 7.4 dB
CF = 1.6 dB
AG = 29.0 dB
PD = 0 dB
FS = 62 + 7.4 + 1.6 - 29 + 0 = 42 dBμV/m

Level in mV/m = Common Antilogarithm [(42 dBμV/m)/20] = 125.9 μV/m

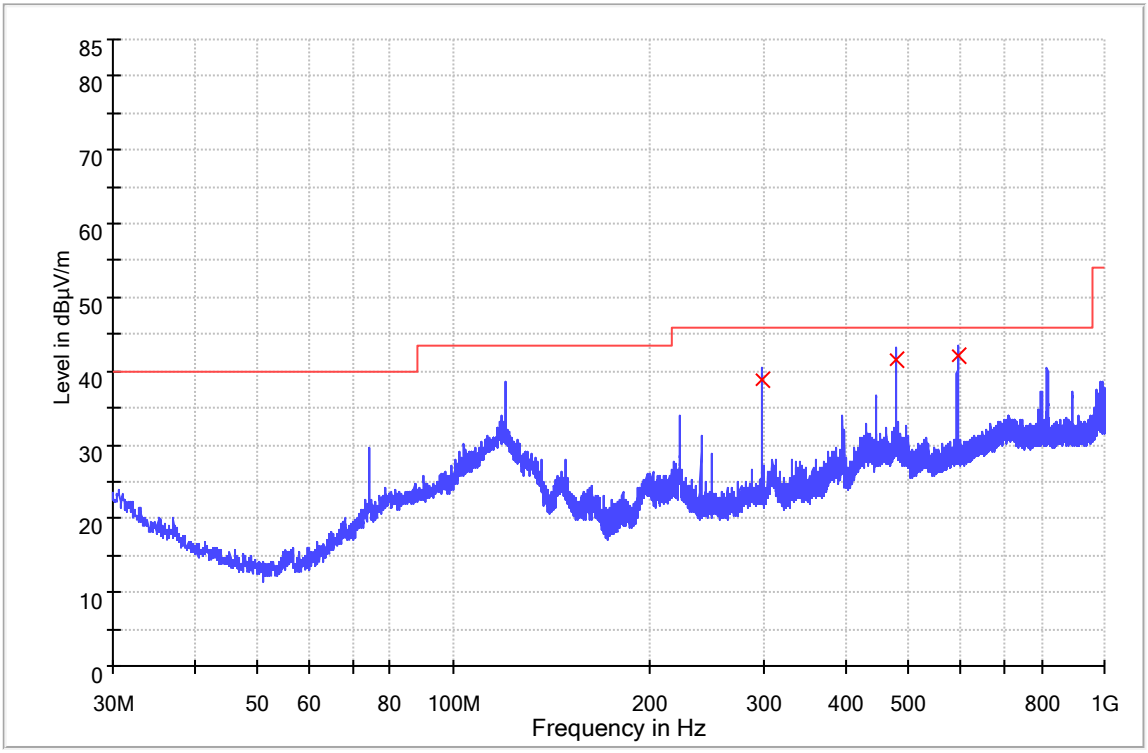
4.8 Radiated Spurious Emission

Worst Case Radiated Spurious Emission
at 2390.000MHz
is passed by 1.4dB margin.

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

Applicant: Fiture Holding LLC
Date of Test: November 1, 2021 Model: FITURE S1US Classic
Worst Case Operating Mode: Simultaneous transmission

ANT Polarity: Horizontal

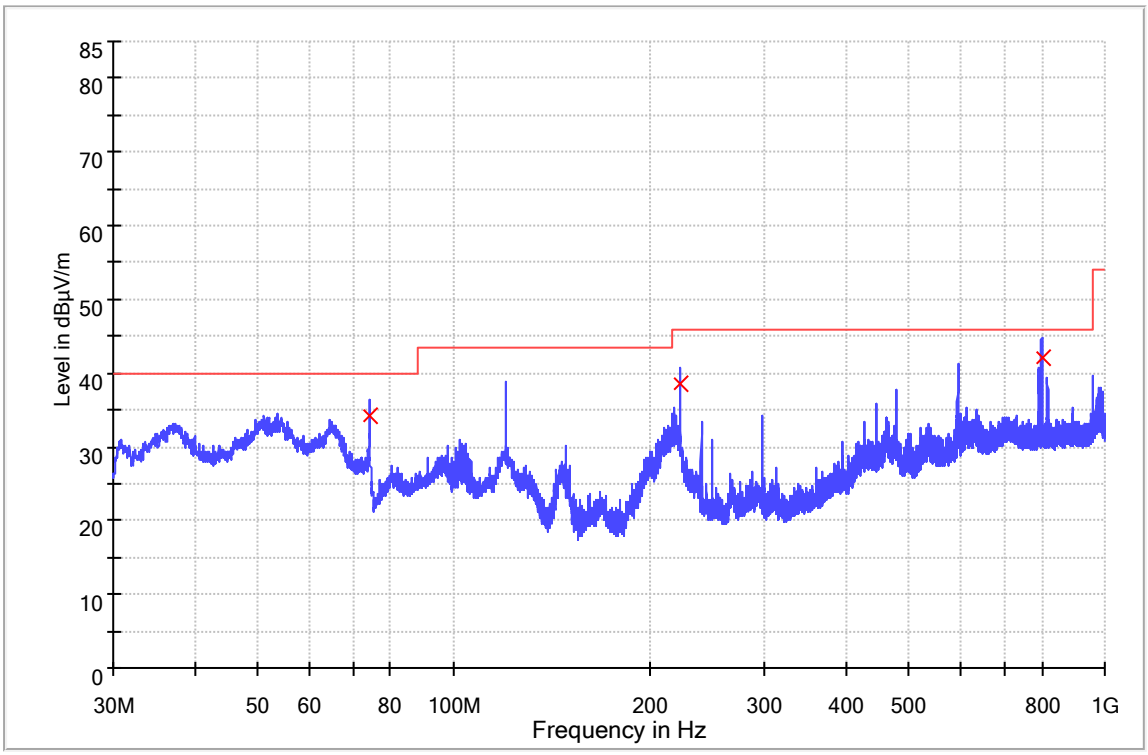


Frequency (MHz)	Quasi Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit – QPK (dBµV/m)
297.105667	38.9	1000.0	120.000	H	20.3	7.1	46.0
479.983000	41.6	1000.0	120.000	H	26.3	4.4	46.0
594.313667	42.2	1000.0	120.000	H	28.4	3.8	46.0

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBµV/m) = Corr. (dB/m) + Read Level (dBµV)
3. Margin (dB) = Limit Line (dBµV/m) – Level (dBµV/m)

Applicant: Fiture Holding LLC
Date of Test: November 1, 2021 Model: FITURE S1US Classic
Worst Case Operating Mode: Simultaneous transmission

ANT Polarity: Vertical



Frequency (MHz)	Quasi Peak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit – QPK (dBµV/m)
74.264333	34.3	1000.0	120.000	V	13.7	5.7	40.0
222.836000	38.6	1000.0	120.000	V	19.7	7.4	46.0
800.018333	42.1	1000.0	120.000	V	32.0	3.9	46.0

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dBµV/m) = Corr. (dB/m) + Read Level (dBµV)
3. Margin (dB) = Limit Line (dBµV/m) – Level (dBµV/m)

Radiated Emissions (above 1GHz)

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11b-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.3	36.8	33.5	38.0	74.0	-36.0
Horizontal	*2390.000	70.9	36.4	29.1	63.6	74.0	-10.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	34.8	36.8	33.5	31.5	54.0	-22.5
Horizontal	*2390.000	59.9	36.4	29.1	52.6	54.0	-1.4

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11b-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.6	36.7	33.4	38.3	74.0	-35.7
Horizontal	*7311.000	45.1	36.6	35.8	44.3	74.0	-29.7

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.5	36.7	33.4	31.2	54.0	-22.8
Horizontal	*7311.000	36.9	36.6	35.8	36.1	54.0	-17.9

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11b-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.2	36.5	33.3	38.0	74.0	-36.0
Horizontal	*2483.500	59.0	36.8	29.3	51.5	74.0	-22.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	35.0	36.8	33.3	31.5	54.0	-22.5
Horizontal	*2483.500	56.5	36.5	29.3	49.3	54.0	-4.7

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11g-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.5	36.8	33.5	38.2	74.0	-35.8
Horizontal	*2390.000	70.4	36.4	29.1	63.1	74.0	-10.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	34.9	36.8	33.5	31.6	54.0	-22.4
Horizontal	*2390.000	56.5	36.4	29.1	49.2	54.0	-4.8

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11g-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.7	36.7	33.4	38.4	74.0	-35.6
Horizontal	*7311.000	45.5	36.6	35.8	44.7	74.0	-29.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.9	36.7	33.4	31.6	54.0	-22.4
Horizontal	*7311.000	37.1	36.6	35.8	36.3	54.0	-17.7

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11g-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.4	36.5	33.3	38.2	74.0	-35.8
Horizontal	*2483.500	71.1	36.8	29.3	63.6	74.0	-10.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	35.1	36.8	33.3	31.6	54.0	-22.4
Horizontal	*2483.500	57.1	36.5	29.3	49.9	54.0	-4.1

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n20-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	40.9	36.8	33.5	37.6	74.0	-36.4
Horizontal	*2390.000	69.3	36.4	29.1	62.0	74.0	-12.0

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	34.5	36.8	33.5	31.2	54.0	-22.8
Horizontal	*2390.000	56.5	36.4	29.1	49.2	54.0	-4.8

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n20-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.7	36.7	33.4	38.4	74.0	-35.6
Horizontal	*7311.000	45.2	36.6	35.8	44.4	74.0	-29.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.5	36.7	33.4	31.2	54.0	-22.8
Horizontal	*7311.000	37.1	36.6	35.8	36.3	54.0	-17.7

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n20-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	40.7	36.5	33.3	37.5	74.0	-36.5
Horizontal	*2483.500	69.9	36.8	29.3	62.4	74.0	-11.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	34.8	36.8	33.3	31.3	54.0	-22.7
Horizontal	*2483.500	56.0	36.5	29.3	48.8	54.0	-5.2

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n40-Channel 03)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	40.6	36.8	33.5	37.3	74.0	-36.7
Horizontal	*2390.000	68.7	36.4	29.1	61.4	74.0	-12.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	34.1	36.8	33.5	30.8	54.0	-23.2
Horizontal	*2390.000	56.6	36.4	29.1	49.3	54.0	-4.7

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n40-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.3	36.7	33.4	38.0	74.0	-36.0
Horizontal	*7311.000	44.9	36.6	35.8	44.1	74.0	-29.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.0	36.7	33.4	30.7	54.0	-23.3
Horizontal	*7311.000	36.7	36.6	35.8	35.9	54.0	-18.1

Worst Case Operating Mode: SISO-ANT1-Transmitting (802.11n40-Channel 09)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	41.1	36.8	33.3	37.6	74.0	-36.4
Horizontal	*2483.500	66.7	36.5	29.3	59.5	74.0	-14.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	34.9	36.8	33.3	31.4	54.0	-22.6
Horizontal	*2483.500	55.9	36.5	29.3	48.7	54.0	-5.3

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11b-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.9	36.8	33.5	38.6	74.0	-35.4
Horizontal	*2390.000	69.7	36.4	29.1	62.4	74.0	-11.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	34.6	36.8	33.5	31.3	54.0	-22.7
Horizontal	*2390.000	58.4	36.4	29.1	51.1	54.0	-2.9

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11b-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	42.0	36.7	33.4	38.7	74.0	-35.3
Horizontal	*7311.000	45.0	36.6	35.8	44.2	74.0	-29.8

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.9	36.7	33.4	31.6	54.0	-22.4
Horizontal	*7311.000	36.6	36.6	35.8	35.8	54.0	-18.2

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11b-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.5	36.5	33.3	38.3	74.0	-35.7
Horizontal	*2483.500	68.2	36.8	29.3	60.7	74.0	-13.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	34.9	36.8	33.3	31.4	54.0	-22.6
Horizontal	*2483.500	56.4	36.5	29.3	49.2	54.0	-4.8

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11g-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.7	36.8	33.5	38.4	74.0	-35.6
Horizontal	*2390.000	69.4	36.4	29.1	62.1	74.0	-11.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	34.5	36.8	33.5	31.2	54.0	-22.8
Horizontal	*2390.000	56.3	36.4	29.1	49.0	54.0	-5.0

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11g-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.9	36.7	33.4	38.6	74.0	-35.4
Horizontal	*7311.000	45.0	36.6	35.8	44.2	74.0	-29.8

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.7	36.7	33.4	31.4	54.0	-22.6
Horizontal	*7311.000	36.6	36.6	35.8	35.8	54.0	-18.2

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11g-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.7	36.5	33.3	38.5	74.0	-35.5
Horizontal	*2483.500	73.4	36.8	29.3	65.9	74.0	-8.1

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	34.9	36.8	33.3	31.4	54.0	-22.6
Horizontal	*2483.500	57.8	36.5	29.3	50.6	54.0	-3.4

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n20-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.4	36.8	33.5	38.1	74.0	-35.9
Horizontal	*2390.000	67.9	36.4	29.1	60.6	74.0	-13.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	35.0	36.8	33.5	31.7	54.0	-22.3
Horizontal	*2390.000	56.1	36.4	29.1	48.8	54.0	-5.2

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n20-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	42.0	36.7	33.4	38.7	74.0	-35.3
Horizontal	*7311.000	46.4	36.6	35.8	45.6	74.0	-28.4

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.8	36.7	33.4	31.5	54.0	-22.5
Horizontal	*7311.000	37.7	36.6	35.8	36.9	54.0	-17.1

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n20-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	41.4	36.5	33.3	38.2	74.0	-35.8
Horizontal	*2483.500	69.5	36.8	29.3	62.0	74.0	-12.0

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	35.3	36.8	33.3	31.8	54.0	-22.2
Horizontal	*2483.500	56.1	36.5	29.3	48.9	54.0	-5.1

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n40-Channel 03)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	41.9	36.8	33.5	38.6	74.0	-35.4
Horizontal	*2390.000	68.0	36.4	29.1	60.7	74.0	-13.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	33.7	36.8	33.5	30.4	54.0	-23.6
Horizontal	*2390.000	56.3	36.4	29.1	49.0	54.0	-5.0

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n40-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	42.1	36.7	33.4	38.8	74.0	-35.2
Horizontal	*7311.000	45.8	36.6	35.8	45.0	74.0	-29.0

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	34.9	36.7	33.4	31.6	54.0	-22.4
Horizontal	*7311.000	37.1	36.6	35.8	36.3	54.0	-17.7

Worst Case Operating Mode: SISO-ANT2-Transmitting (802.11n40-Channel 09)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	41.6	36.8	33.3	38.1	74.0	-35.9
Horizontal	*2483.500	67.9	36.5	29.3	60.7	74.0	-13.3

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	35.5	36.8	33.3	32.0	54.0	-22.0
Horizontal	*2483.500	56.0	36.5	29.3	48.8	54.0	-5.2

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n20-Channel 01)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	41.9	36.8	33.5	38.6	74.0	-35.4
Horizontal	*2390.000	69.4	36.4	29.1	62.1	74.0	-11.9

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4824.000	35.6	36.8	33.5	32.3	54.0	-21.7
Horizontal	*2390.000	56.3	36.4	29.1	49.0	54.0	-5.0

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n20-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	42.3	36.7	33.4	39.0	74.0	-35.0
Horizontal	*7311.000	46.0	36.6	35.8	45.2	74.0	-28.8

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	35.1	36.7	33.4	31.8	54.0	-22.2
Horizontal	*7311.000	37.1	36.6	35.8	36.3	54.0	-17.7

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n20-Channel 11)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	42.0	36.5	33.3	38.8	74.0	-35.2
Horizontal	*2483.500	69.9	36.8	29.3	62.4	74.0	-11.6

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4924.000	35.8	36.8	33.3	32.3	54.0	-21.7
Horizontal	*2483.500	56.2	36.5	29.3	49.0	54.0	-5.0

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n40-Channel 03)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	41.4	36.8	33.5	38.1	74.0	-35.9
Horizontal	*2390.000	69.8	36.4	29.1	62.5	74.0	-11.5

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4844.000	34.2	36.8	33.5	30.9	54.0	-23.1
Horizontal	*2390.000	56.7	36.4	29.1	49.4	54.0	-4.6

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n40-Channel 06)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	41.9	36.7	33.4	38.6	74.0	-35.4
Horizontal	*7311.000	46.1	36.6	35.8	45.3	74.0	-28.7

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4874.000	35.4	36.7	33.4	32.1	54.0	-21.9
Horizontal	*7311.000	37.2	36.6	35.8	36.4	54.0	-17.6

Worst Case Operating Mode: MIMO-ANT2-Transmitting (802.11n40-Channel 09)

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Peak Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	42.1	36.8	33.3	38.6	74.0	-35.4
Horizontal	*2483.500	67.4	36.5	29.3	60.2	74.0	-13.8

Polarization	Frequency (MHz)	Reading (dBµV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dBµV/m)	Average Limit at 3m (dBµV/m)	Margin (dB)
Horizontal	*4904.000	35.9	36.8	33.3	32.4	54.0	-21.6
Horizontal	*2483.500	55.8	36.5	29.3	48.6	54.0	-5.4

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.

4.9 Conducted Emission

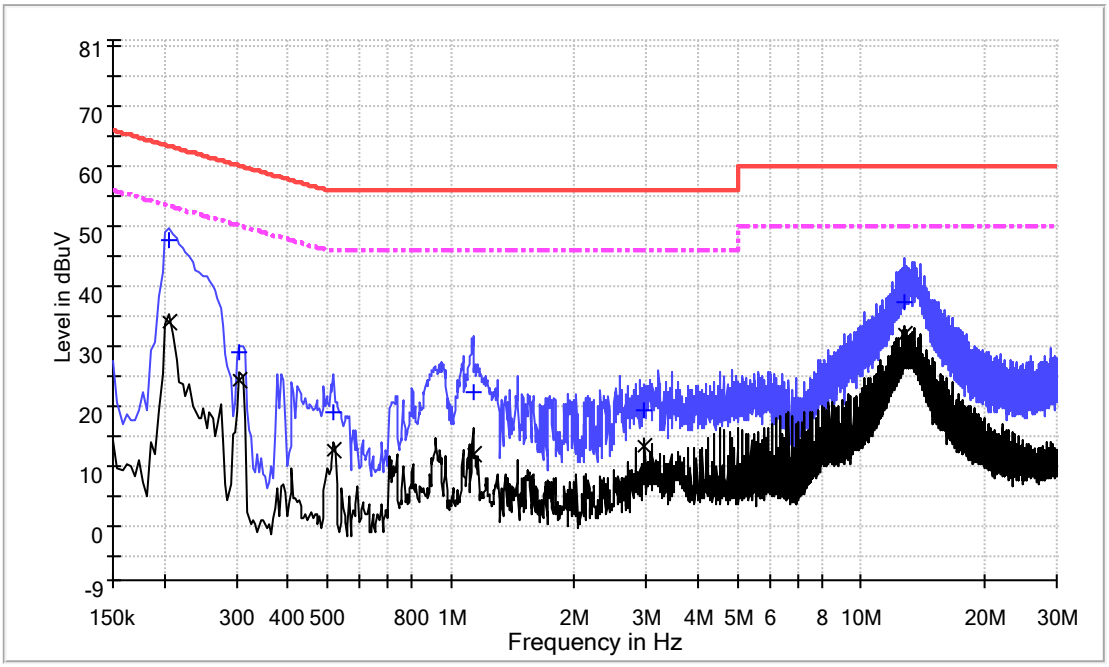
Worst Case Conducted Emission
at 0.198000MHz
is passed by 11.9dB margin.

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

Applicant: Fiture Holding LLC
Date of Test: October 25, 2021
Model: FITURE S1US Classic
Worst Case Operating Mode: Simultaneous transmission
Phase: Live

Graphic / Data Table

Conducted Emissions
Pursuant to FCC 15.207: Emissions Requirement



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	47.8	9.000	L1	9.6	15.6	63.4
0.306000	29.1	9.000	L1	9.6	31.0	60.1
0.518000	19.1	9.000	L1	9.6	36.9	56.0
1.134000	22.3	9.000	L1	9.6	33.7	56.0
2.970000	19.4	9.000	L1	9.7	36.6	56.0
12.822000	37.5	9.000	L1	9.9	22.5	60.0

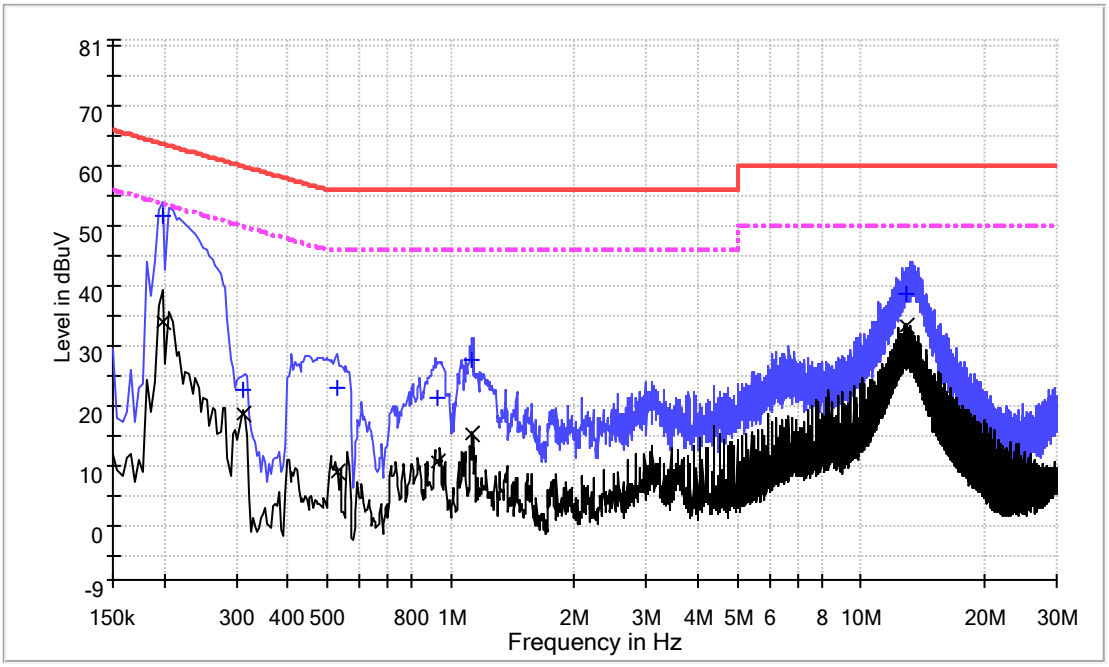
Limit and Margin AV

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	34.0	9.000	L1	9.6	19.4	53.4
0.306000	24.5	9.000	L1	9.6	25.6	50.1
0.518000	12.5	9.000	L1	9.6	33.5	46.0
1.134000	12.1	9.000	L1	9.6	33.9	46.0
2.970000	13.5	9.000	L1	9.7	32.5	46.0
12.822000	31.9	9.000	L1	9.9	18.1	50.0

Applicant: Fiture Holding LLC
Date of Test: October 25, 2021
Model: FITURE S1US Classic
Worst Case Operating Mode: Simultaneous transmission
Phase: Neutral

Graphic / Data Table

Conducted Emissions
Pursuant to FCC 15.207: Emissions Requirement



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	51.8	9.000	N	9.5	11.9	63.7
0.310000	22.8	9.000	N	9.5	37.2	60.0
0.526000	23.0	9.000	N	9.5	33.0	56.0
0.926000	21.4	9.000	N	9.5	34.6	56.0
1.126000	27.6	9.000	N	9.5	28.4	56.0
12.954000	38.6	9.000	N	9.9	21.4	60.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	33.9	9.000	N	9.5	19.8	53.7
0.310000	18.6	9.000	N	9.5	31.4	50.0
0.526000	9.1	9.000	N	9.5	36.9	46.0
0.926000	10.6	9.000	N	9.5	35.4	46.0
1.126000	15.2	9.000	N	9.5	30.8	46.0
12.954000	33.2	9.000	N	9.9	16.8	50.0

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.

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

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
x	Not applicable, duty cycle was not used.

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 Discussion of Pulse Desensitization

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.

11.0 Test Equipment List

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	2021-05-10	2022-05-10
SZ182-02-01	Power Sensor	Anritsu	MA2411B	1207429	2021-05-10	2022-05-10
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	2020-12-22	2021-12-22
SZ062-10	RF Cable	Bedea	RG 58	--	2021-06-01	2021-12-01
SZ056-08	Signal Analyzer	R&S	FSV 40	101430	2020-12-22	2021-12-22
SZ185-03	EMI Receiver	R&S	ESR7	101975	2020-12-22	2021-12-22
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	2021-05-18	2023-05-18
SZ061-12	BiConiLog Antenna	ETS	3142E	00166158	2021-08-04	2024-08-04
SZ061-09	Double-Ridged Waveguide Horn Antenna	ETS	3115	00092347	2020-10-17	2022-10-17
SZ061-15	Double-Ridged Waveguide Horn Antenna	ETS	3116C-PA	00224718	2021-07-06	2024-07-06
SZ181-08	Microwave System Amplifier	Agilent	83017A	MY57280108	2021-08-04	2022-08-04
SZ188-05	Anechoic Chamber	ETS	FACT 3-2.0	CT001880-Q1391	2021-05-25	2024-05-25
SZ062-23	RF Cable	RADIALL	SF104PE	MY4262/4PE	2021-09-26	2022-09-26
SZ062-35	RF Cable	Rebes	A50-3.5M3.5M-8M	19100879	2021-09-26	2022-09-26
SZ067-04	Notch Filter	Micro-Tronics	BRM50702-02	015	2021-05-11	2022-05-11
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	2021-07-12	2022-07-12
SZ187-02	Two-Line V-Network	R&S	ENV216	100072	2021-05-12	2022-05-12
SZ188-03	Shielding Room	ETS	RFD-100	4100	2020-01-07	2023-01-07

********** End of Report**********