

Test Report

Report No. : MTi250528001-0108E4
Date of issue : 2025-07-24
Applicant : WIRELESS-TAG TECHNOLOGY CO., LIMITED
Product : WiFi+BLE Module
Model(s) : WT0132C5-S6U, WT0132C5-S6
FCC ID : 2AFOS-WT0132C5-S6

Shenzhen Microtest Co., Ltd.

TEST REPORT

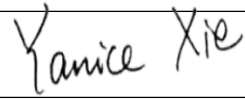
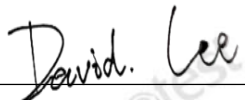
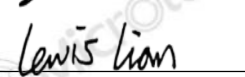
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Test Result Certification		
Applicant	WIRELESS-TAG TECHNOLOGY CO., LIMITED	
Applicant Address	801, Block A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Community, Xili Street, Nanshan District, Shenzhen	
Manufacturer	WIRELESS-TAG TECHNOLOGY CO., LIMITED	
Manufacturer Address	801, Block A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Community, Xili Street, Nanshan District, Shenzhen	
Product description		
Product name	WiFi+BLE Module	
Trademark	Wireless-tag	
Model name	WT0132C5-S6U	
Series Model(s)	WT0132C5-S6	
Standards	47 CFR Part 15E	
Test Method	KDB 789033 D02 General UNII Test Procedures New Rules v02r01 ANSI C63.10-2020	
Testing Information		
Date of test	2025-06-30 to 2025-07-22	
Test result	Pass	
Prepared by:	Yanice.Xie	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

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1 General Description

1.1 Description of the EUT

Product name:	WiFi+BLE Module
Model name:	WT0132C5-S6U
Series Model(s):	WT0132C5-S6
Model difference:	All the models are the same circuit and module, except the model name, the antenna type and the antenna clip. WT0132C5-S6U are PCB antenna and FPC antenna, WT0132C5-S6 is PCB Antenna.
Electrical rating:	Input:DC 3.3V
Accessories:	N/A
Hardware version:	1V0
Software version:	V1.0
Test sample(s) number:	MTi250528001-01-R001
RF specification	
Operating frequency range:	802.11a/n(HT20)/ax(HE20): U-NII Band 1: 5180MHz to 5240MHz; U-NII Band 3: 5745MHz to 5825MHz; 802.11n(HT40): U-NII Band 1: 5190MHz to 5230MHz; U-NII Band 3: 5755MHz to 5795MHz;
Channel number:	802.11a/n(HT20)/ax(HE20): U-NII Band 1: 3; U-NII Band 3: 3; 802.11n(HT40): U-NII Band 1: 2; U-NII Band 3: 2;
Modulation type:	802.11a: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Antenna(s) type:	ANT 1:PCB Antenna, ANT2:FPC Antenna
Antenna(s) gain:	UINII-1: ANT 1:0.03 dBi, ANT2: 2 dBi UINII-3: ANT 1:-2.1 dBi, ANT2:1dBi

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1.2 Description of test modes

No.	Emission test modes
Mode1	802.11a mode
Mode2	802.11n20 mode
Mode3	802.11n40 mode
Mode4	802.11ax20 mode
Mode4	802.11ac20 mode
Note: 802.11ax20 only supports full RU.	

1.2.1 Operation channel list

U-NII Band 1

Bandwidth:	20MHz	Bandwidth:	40MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
48	5240	/	/

U-NII Band 3

Bandwidth:	20MHz	Bandwidth:	40MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
157	5785	159	5795
165	5825	/	/

Test Channel List

Operation Band: 5150-5250 MHz

Bandwidth (MHz)	Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
20	5180	5200	5240
40	5190	5230	/

Operation Band: 5725-5850 MHz

Bandwidth (MHz)	Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
20	5745	5785	5825
40	5755	5795	/

Note: The test software provided by manufacturer is used to control EUT for working in engineering mode, that enables selectable channel, and capable of continuous transmitting mode.

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Test Software:**U-NII-1:**

For power setting, refer to below table.

Mode	LCH	MCH	HCH
802.11a	0	0	0
802.11n(HT20)	0	0	0
802.11n(HT40)	0	0	/
802.11ax(HEW20)	0	0	0

U-NII-3:

Mode	LCH	MCH	HCH
802.11a	0	0	0
802.11n(HT20)	0	0	0
802.11n(HT40)	0	0	/
802.11ax(HEW20)	0	0	0

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1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

1.4 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support equipment list

Description	Model	Serial No.	Manufacturer
Laptop	e485	/	Lenovo

Support cable list

Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Measurement	Uncertainty
Time	±1 %
Occupied channel bandwidth	±3 %
RF output power, conducted	±1 dB
Power Spectral Density, conducted	±1 dB
Radiated spurious emissions (above 1GHz)	±5.3dB
Radiated spurious emissions (9kHz~30MHz)	±4.3dB
Radiated spurious emissions (30MHz~1GHz)	±4.7dB
Temperature	±1 °C
Humidity	± 5 %

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

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2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Antenna requirement	47 CFR Part 15E	Part 15.203	Pass
2	Duty Cycle	47 CFR Part 15E	/	Pass
3	Emission bandwidth and occupied bandwidth	47 CFR Part 15E	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. 47 CFR Part 15.407(e)	Pass
4	Maximum conducted output power	47 CFR Part 15E	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(3)(i)	Pass
5	Power spectral density	47 CFR Part 15E	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(3)(i)	Pass
6	Band edge emissions (Radiated)	47 CFR Part 15E	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass
7	Undesirable emission limits (below 1GHz)	47 CFR Part 15E	47 CFR Part 15.407(b)(9)	Pass
8	Undesirable emission limits (above 1GHz)	47 CFR Part 15E	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass
9	Conducted Emission at AC power line	47 CFR Part 15E	47 CFR Part 15.207(a)	N/A

Note: Since the EUT is DC power supply, therefore AC power line conducted emissions test is not required.

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3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573
IC Registration No.:	21760
CABID:	CN0093

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4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Emission bandwidth and occupied bandwidth Maximum conducted output power Power spectral density Duty Cycle						
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2025-03-18	2026-03-17
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2025-03-14	2026-03-13
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2025-03-14	2026-03-13
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2025-03-14	2026-03-13
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2025-03-14	2026-03-13
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2025-03-18	2026-03-17
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2025-03-14	2026-03-13
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2025-03-14	2026-03-13
9	DC Power Supply	Agilent	E3632A	MY40027695	2025-03-18	2026-03-17
Band edge emissions (Radiated) Undesirable emission limits (above 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03-14	2026-03-13
2	Double Ridged Broadband Horn Antenna	schwarabeck	BBHA 9120 D	2278	2025-05-27	2027-05-26
3	Amplifier	Agilent	8449B	3008A01120	2025-03-18	2026-03-17
4	MXA signal analyzer	Agilent	N9020A	MY54440859	2025-03-14	2026-03-13
5	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2025-03-14	2026-03-13
6	Horn antenna	Schwarzbeck	BBHA 9170	00987	2025-05-27	2027-05-26
7	Pre-amplifier	Space-Dtronics	EWLAN1840 G	210405001	2025-03-19	2026-03-18
Undesirable emission limits (below 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2025-03-14	2026-03-13
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2025-05-23	2027-05-22
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2024-03-23	2026-03-22
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2025-03-18	2026-03-17

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5 Evaluation Results (Evaluation)

5.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
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5.1.1 Conclusion:

The antenna of the EUT is permanently attached.
The EUT complies with the requirement of FCC PART 15.203.

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6 Radio Spectrum Matter Test Results (RF)

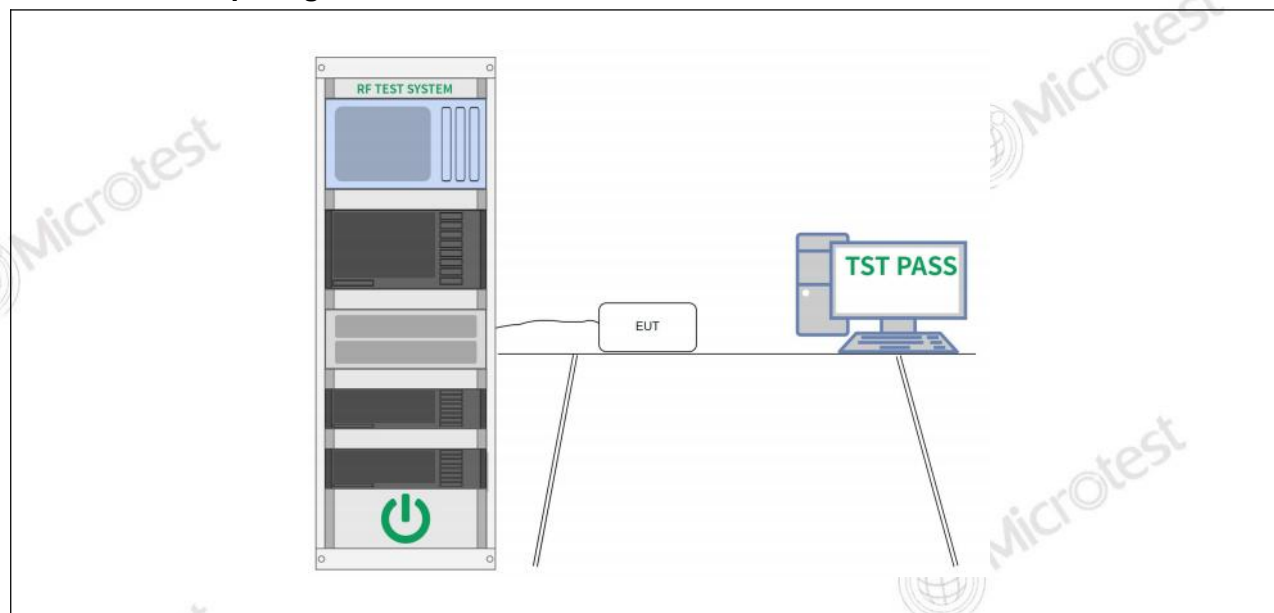
6.1 Duty Cycle

Test Requirement:	All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.
Test Limit:	No limits, only for report use.
Test Method:	ANSI C63.10-2020 section 12.2 (b)
Procedure:	i) Set the center frequency of the instrument to the center frequency of the transmission. ii) Set RBW $\geq$ EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW $\geq$ RBW. iv) Set detector = peak. v) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100.

6.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25.6 °C	Humidity:	57 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				

6.1.2 Test Setup Diagram:



6.1.3 Test Data:

Please Refer to Appendix for Details.

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6.2 Emission bandwidth and occupied bandwidth

Test Requirement:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
Test Limit:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 6.9 & 12.5 KDB 789033 D02, Clause C.2
Procedure:	Emission bandwidth: - Set RBW=shall be in the range of 1% to 5% of the emission bandwidth. - Set the VBW > RBW. - Detector = peak. - Trace mode =max-hold. - Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%. Occupied bandwidth: - The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW. - The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement. - Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2. - Step a) through step c) might require iteration to adjust within the specified range. - Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. - Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth. - If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points,

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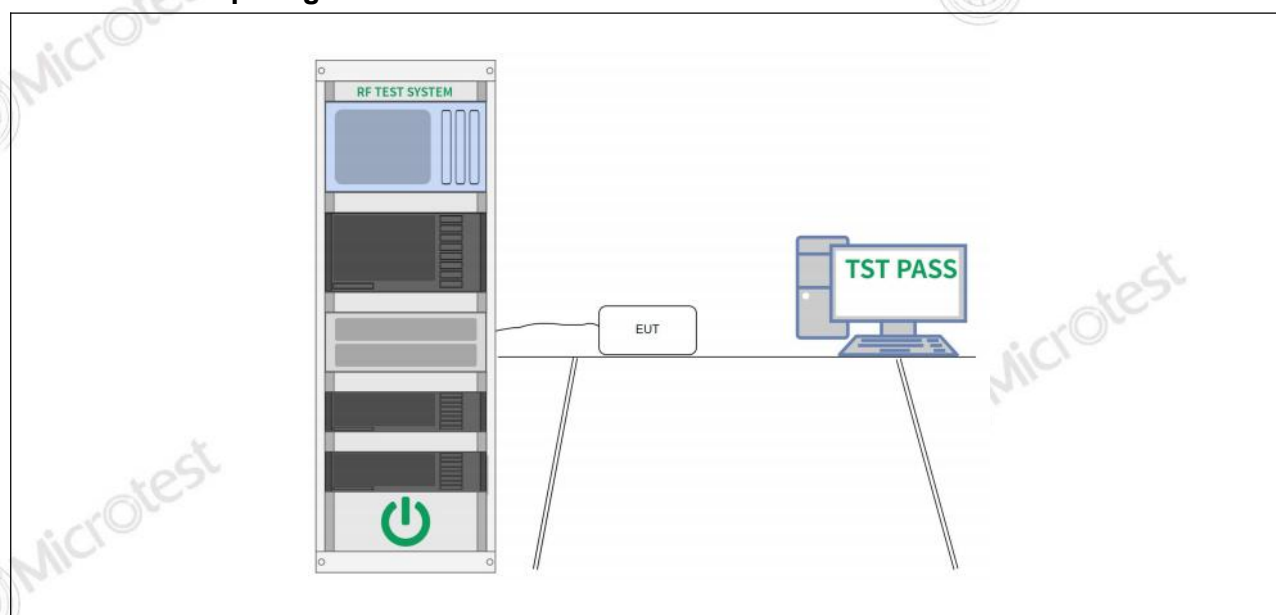
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	beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies. h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s). 6 dB emission bandwidth: a) Set RBW = 100 kHz. b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW. c) Detector = Peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
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6.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25.6 °C	Humidity:	57 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				

6.2.2 Test Setup Diagram:



6.2.3 Test Data:

Please Refer to Appendix for Details.

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6.3 Maximum conducted output power

Test Requirement:	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(3)(i)
Test Limit:	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm). For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any

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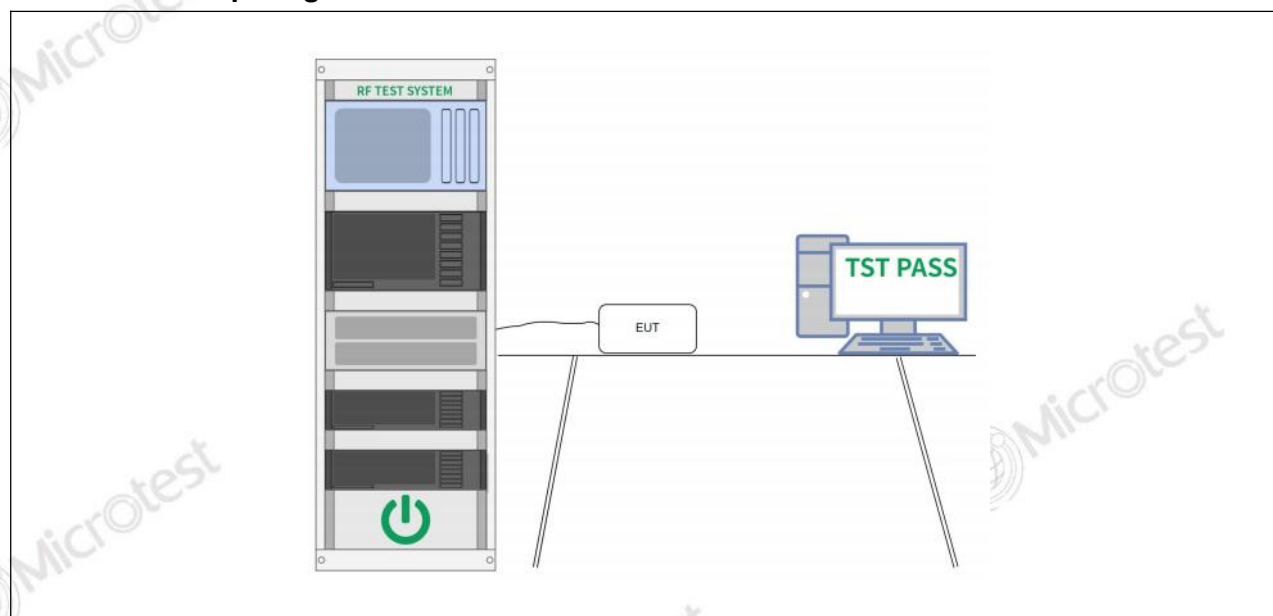
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	corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
Test Method:	ANSI C63.10-2020, section 12.4
Procedure:	Refer to ANSI C63.10-2020 section 12.4

6.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25.6 °C	Humidity:	57 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				

6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Please Refer to Appendix for Details.

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6.4 Power spectral density

Test Requirement:	47 CFR Part 15.407(a)(1)(i) 47 CFR Part 15.407(a)(1)(ii) 47 CFR Part 15.407(a)(1)(iii) 47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(3)(i)
Test Limit:	For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations. For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems

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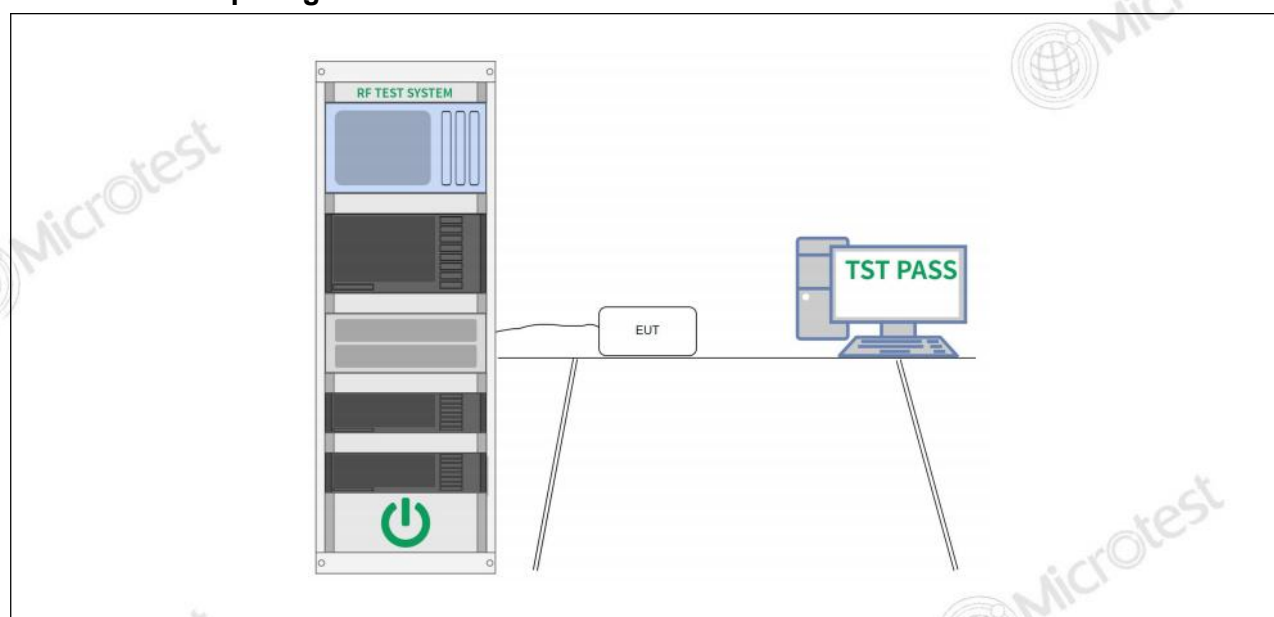
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	employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
Test Method:	ANSI C63.10-2020, section 12.6
Procedure:	Refer to ANSI C63.10-2020, section 12.6

6.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25.6 °C	Humidity:	57 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				

6.4.2 Test Setup Diagram:



6.4.3 Test Data:

Please Refer to Appendix for Details.

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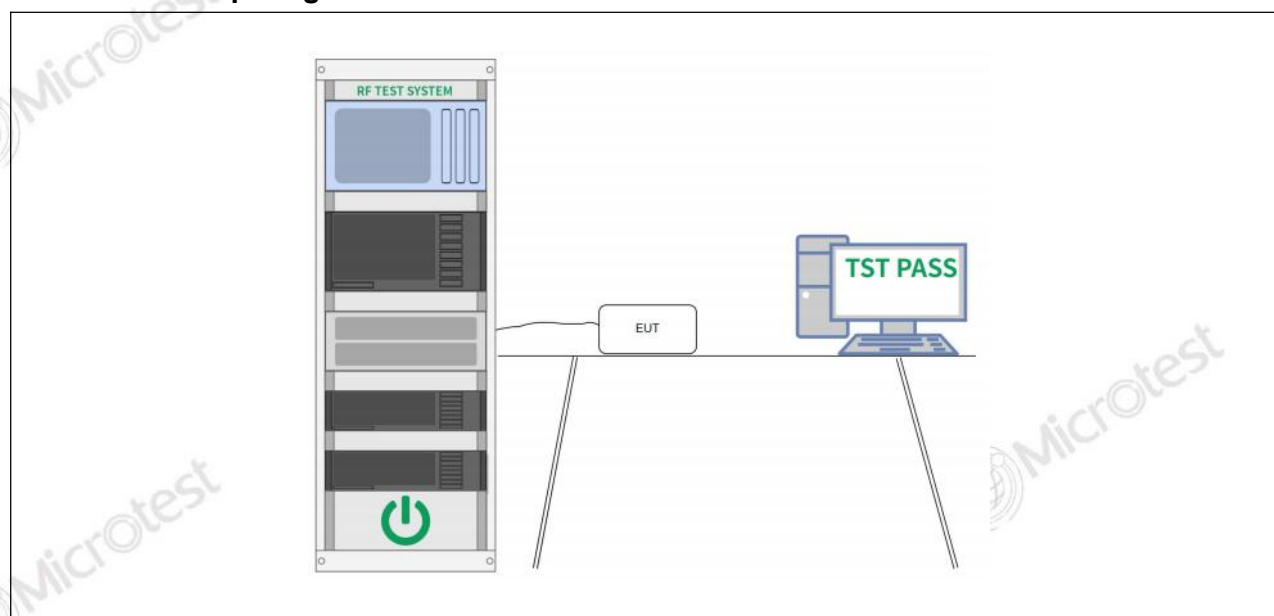
6.5 Frequency stability

Test Requirement:	47 CFR Part 15.407(g)
Test Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.
Test Method:	ANSI C63.10-2020, section 6.8
Procedure:	Refer to ANSI C63.10-2020 section 6.8

6.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	25.6 °C	Humidity:	57 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				

6.5.2 Test Setup Diagram:



6.5.3 Test Data:

Please Refer to Appendix for Details.

TEST REPORT

Report No.: MTi250528001-0108E4

6.6 Band edge emissions (Radiated)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																										
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table border="1"> <thead> <tr> <th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr> </thead> <tbody> <tr> <td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr> <tr> <td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr> <tr> <td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr> <tr> <td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr> <tr> <td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr> <tr> <td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr> <tr> <td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr> <tr> <td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr> <tr> <td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr> <tr> <td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr> <tr> <td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr> <tr> <td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr> <tr> <td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr> <tr> <td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr> <tr> <td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr> <tr> <td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr> <tr> <td>13.36-13.41</td><td></td><td></td><td></td></tr> </tbody> </table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.			MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
MHz	MHz	MHz	GHz																																																																								
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15																																																																								
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46																																																																								
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75																																																																								
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5																																																																								
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2																																																																								
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5																																																																								
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7																																																																								
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4																																																																								
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12.51975-12.52025	240-285	3345.8-3358	36.43-36.5																																																																								
12.57675-12.57725	322-335.4	3600-4400	(²)																																																																								
13.36-13.41																																																																											

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	Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table: <table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009-0.490	2400/F(kHz)	300	0.490-1.705	24000/F(kHz)	30	1.705-30.0	30	30	30-88	100 **	3	88-216	150 **	3	216-960	200 **	3	Above 960	500	3
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																							
0.009-0.490	2400/F(kHz)	300																							
0.490-1.705	24000/F(kHz)	30																							
1.705-30.0	30	30																							
30-88	100 **	3																							
88-216	150 **	3																							
216-960	200 **	3																							
Above 960	500	3																							
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7																								
Procedure:	Above 1GHz: - For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet. - Test the EUT in the lowest channel, the middle channel, the Highest channel. - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. - Repeat above procedures until all frequencies measured was complete. Remark: - Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor - Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low.																								

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	The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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6.6.1 E.U.T. Operation:

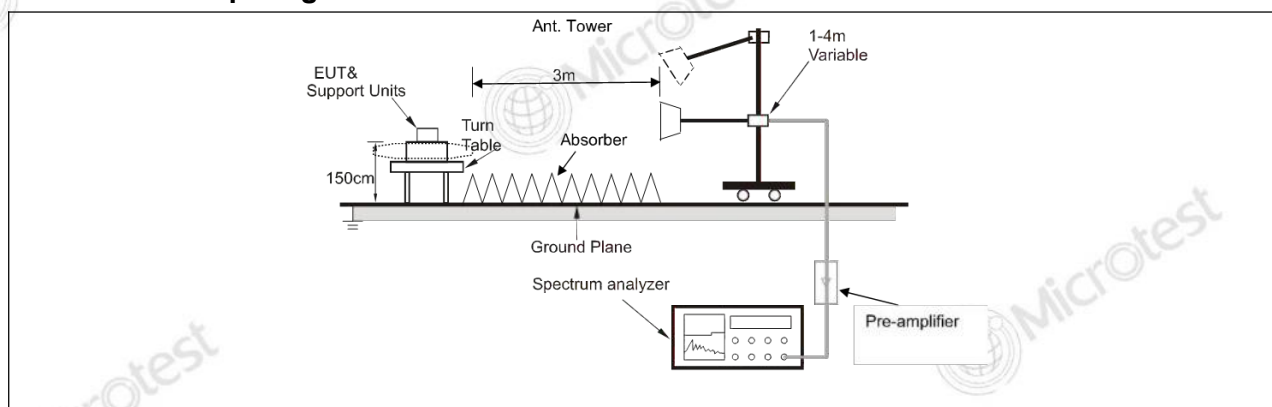
Operating Environment:

Temperature:	19.3 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
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Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5
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Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5
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6.6.2 Test Setup Diagram:



TEST REPORT

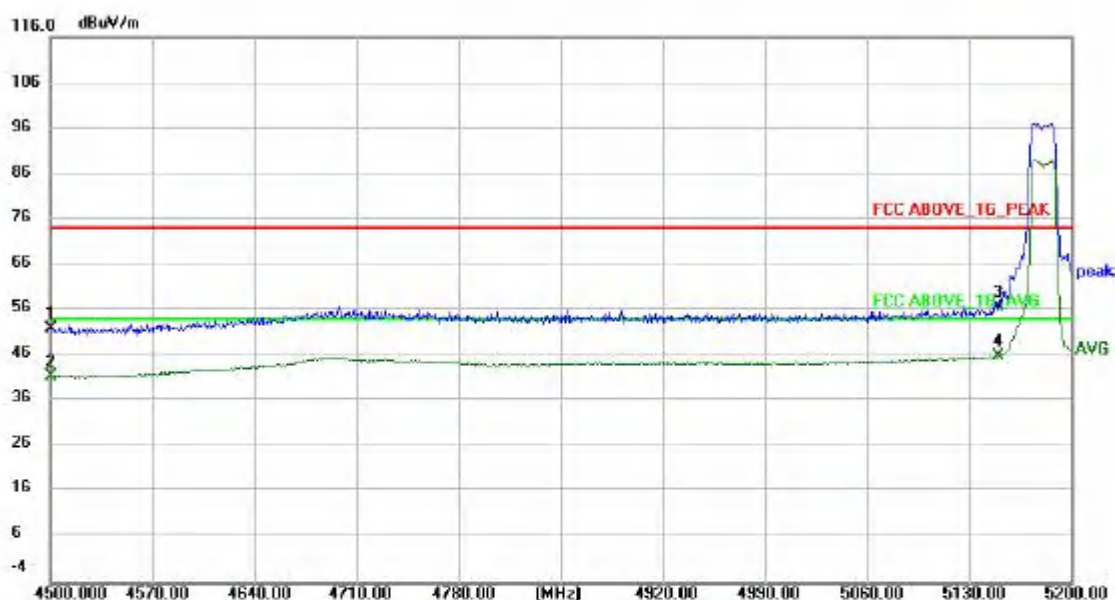
Report No.: MTi250528001-0108E4

6.6.3 Test Data:

ANT1:

U-NII-1:

Mode1 / Polarization: Horizontal / CH: L

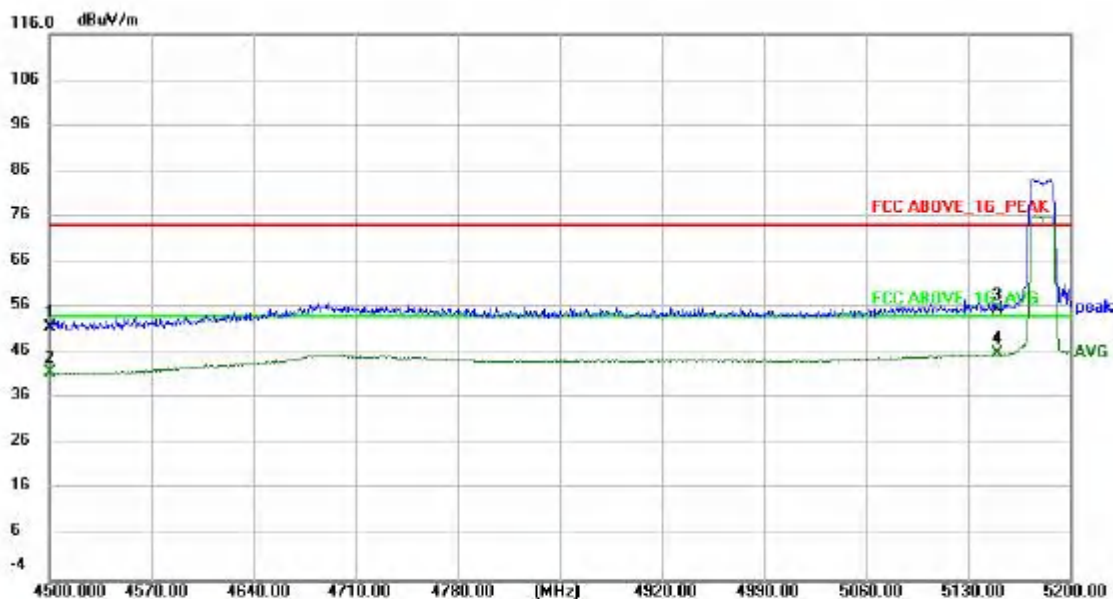


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4500.000	51.25	0.62	51.87	74.00	-22.13	peak	
2		4500.000	40.90	0.62	41.52	54.00	-12.48	AVG	
3		5150.000	53.79	2.95	56.74	74.00	-17.26	peak	
4	*	5150.000	43.15	2.95	46.10	54.00	-7.90	AVG	

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Mode1 / Polarization: Vertical / CH: L

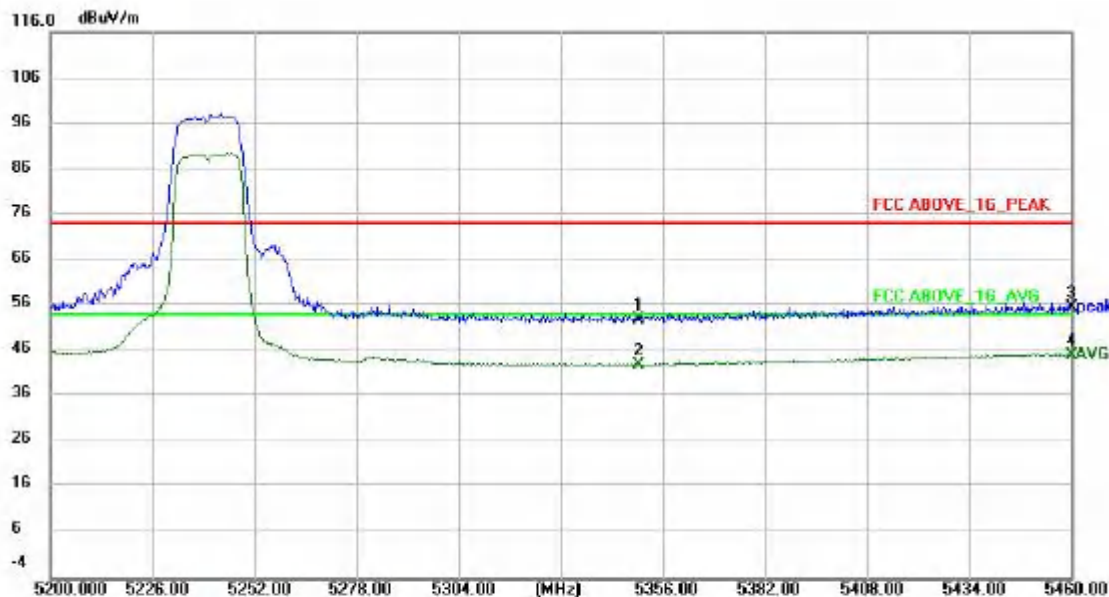


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		4500.000	51.07	0.62	51.69	74.00	-22.31	peak	
2		4500.000	41.22	0.62	41.84	54.00	-12.16	AVG	
3		5150.000	52.67	2.95	55.62	74.00	-18.38	peak	
4 *		5150.000	42.86	2.95	45.81	54.00	-8.19	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Horizontal / CH: H

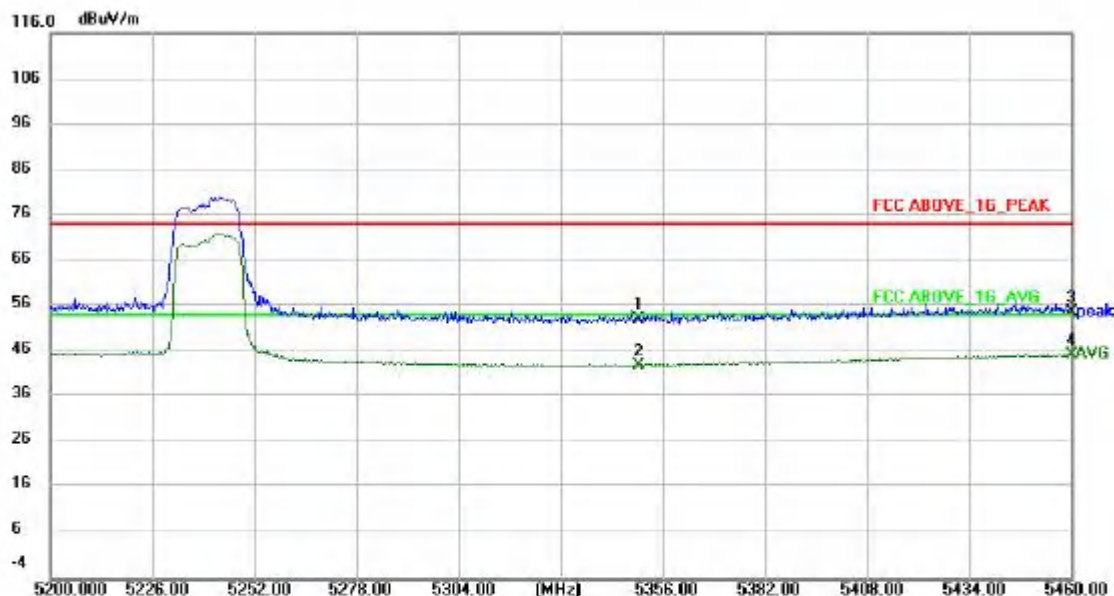


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	50.20	2.70	52.90	74.00	-21.10	peak	
2		5350.000	40.16	2.70	42.86	54.00	-11.14	AVG	
3		5460.000	52.58	2.98	55.56	74.00	-18.44	peak	
4	*	5460.000	42.07	2.98	45.05	54.00	-8.95	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H

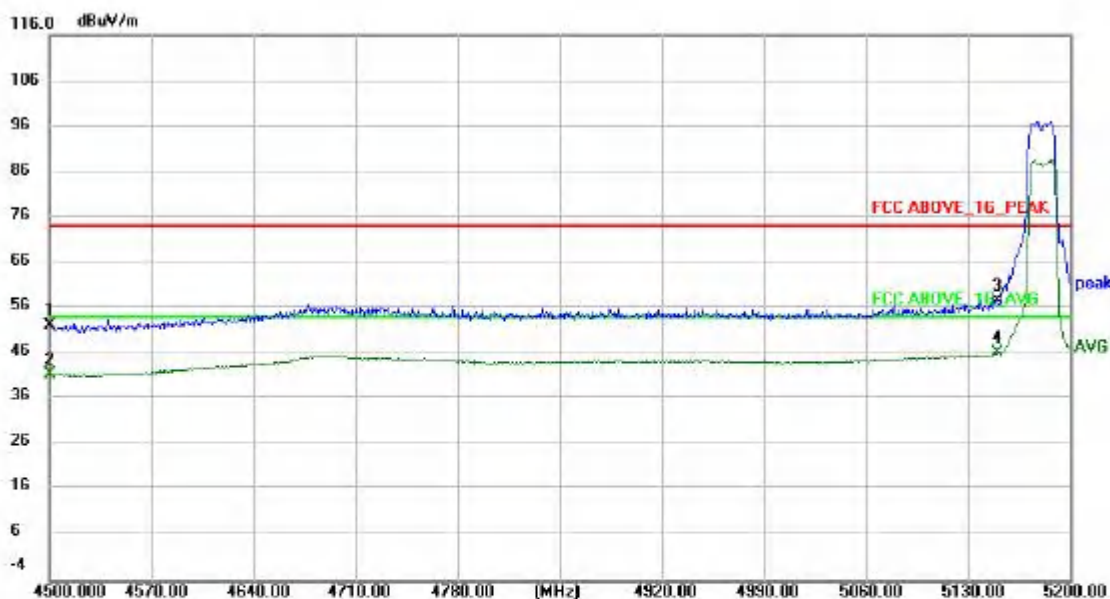


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	50.32	2.70	53.02	74.00	-20.98	peak	
2		5350.000	40.35	2.70	43.05	54.00	-10.95	AVG	
3		5460.000	51.71	2.98	54.69	74.00	-19.31	peak	
4	*	5460.000	42.30	2.98	45.28	54.00	-8.72	AVG	

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Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: L

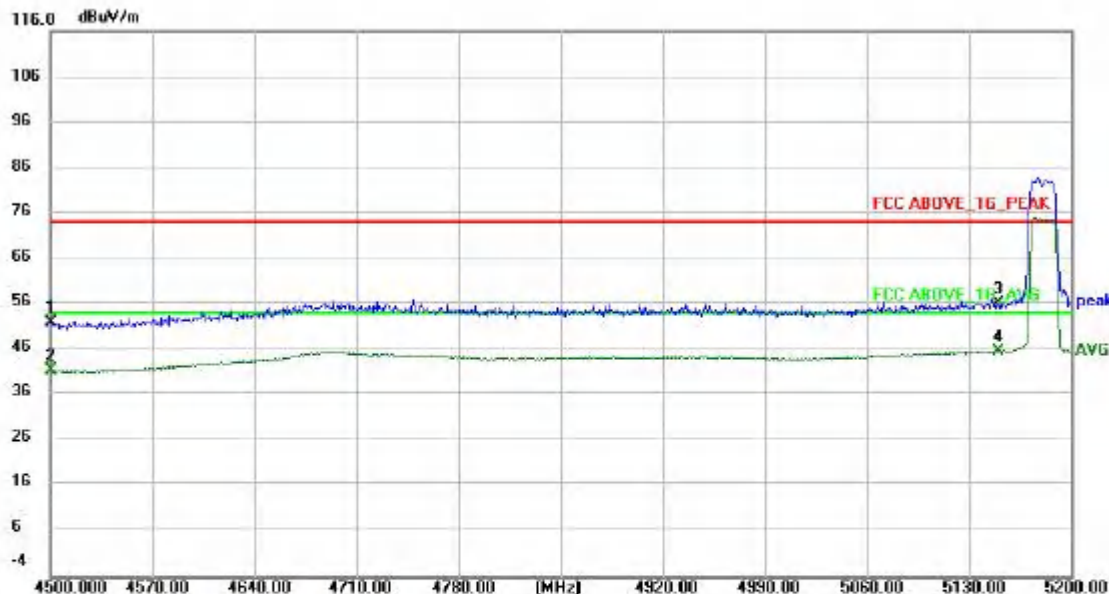


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	51.58	0.62	52.20	74.00	-21.80	peak	
2		4500.000	40.79	0.62	41.41	54.00	-12.59	AVG	
3		5150.000	54.78	2.95	57.73	74.00	-16.27	peak	
4	*	5150.000	43.43	2.95	46.38	54.00	-7.62	AVG	

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Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: L

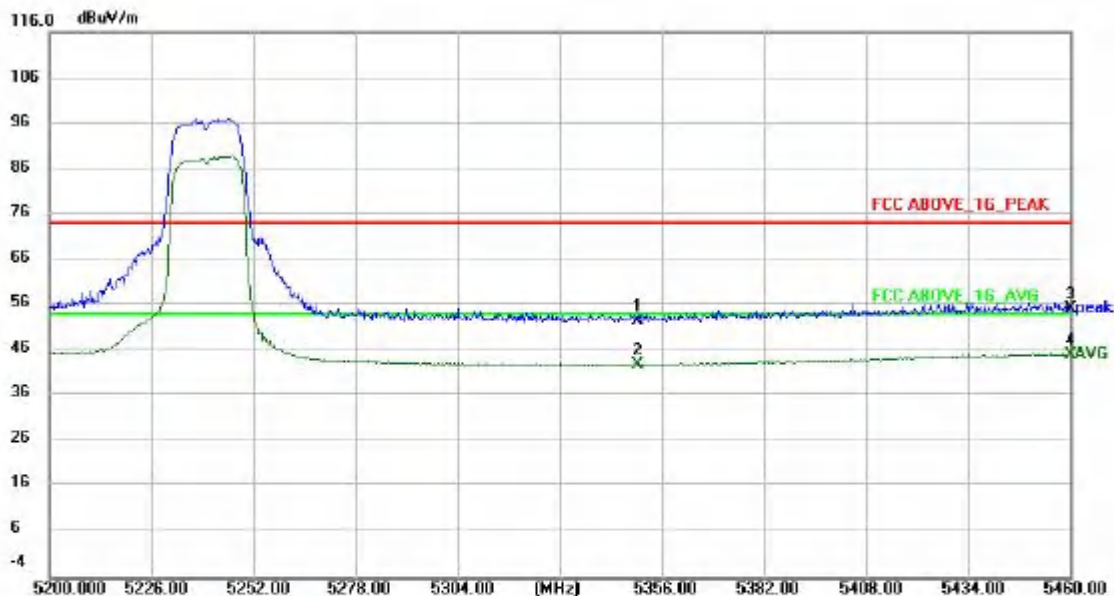


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	51.28	0.62	51.90	74.00	-22.10	peak	
2		4500.000	40.80	0.62	41.42	54.00	-12.58	AVG	
3		5150.000	53.28	2.95	56.23	74.00	-17.77	peak	
4	*	5150.000	42.65	2.95	45.60	54.00	-8.40	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: H

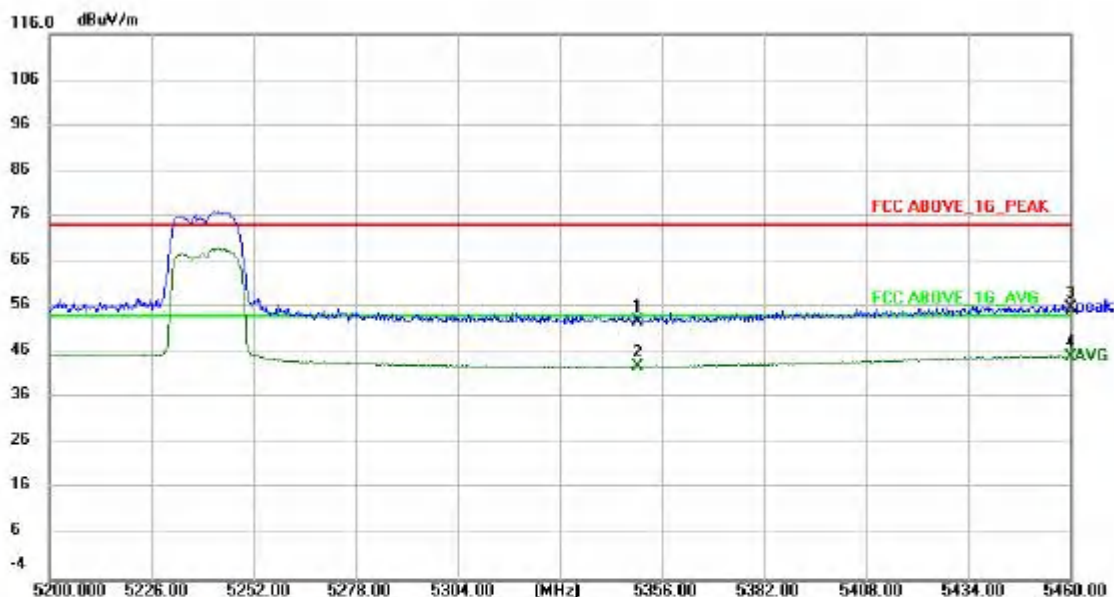


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	49.92	2.70	52.62	74.00	-21.38	peak	
2		5350.000	40.13	2.70	42.83	54.00	-11.17	AVG	
3		5460.000	52.26	2.98	55.24	74.00	-18.76	peak	
4	*	5460.000	42.21	2.98	45.19	54.00	-8.81	AVG	

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Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: H

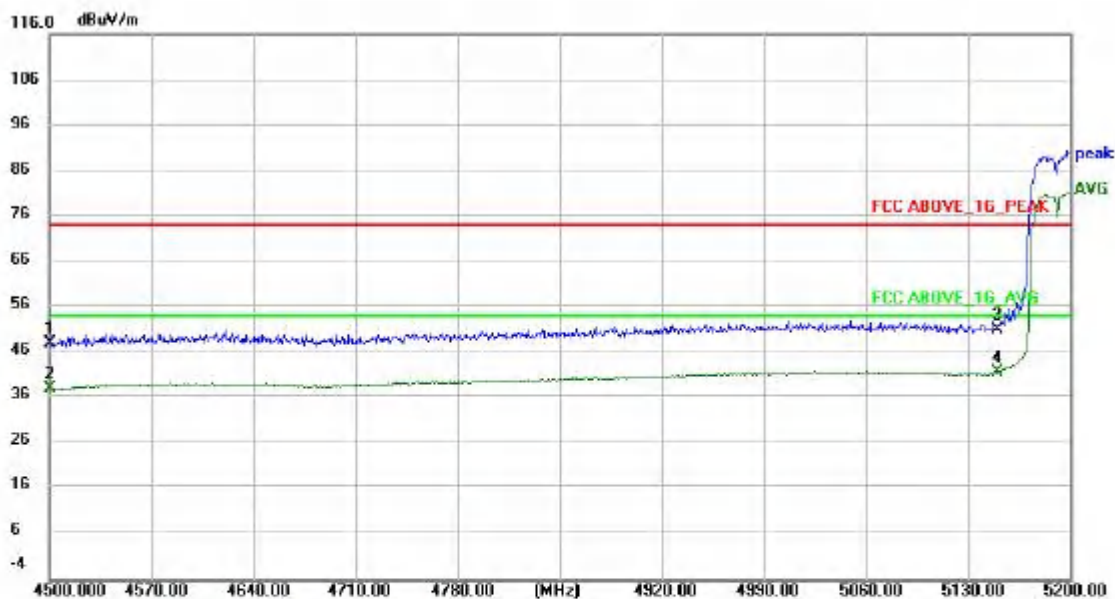


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	50.24	2.70	52.94	74.00	-21.06	peak	
2		5350.000	40.13	2.70	42.83	54.00	-11.17	AVG	
3		5460.000	52.86	2.98	55.84	74.00	-18.16	peak	
4	*	5460.000	42.06	2.98	45.04	54.00	-8.96	AVG	

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Mode3 / Polarization: Horizontal / CH: L

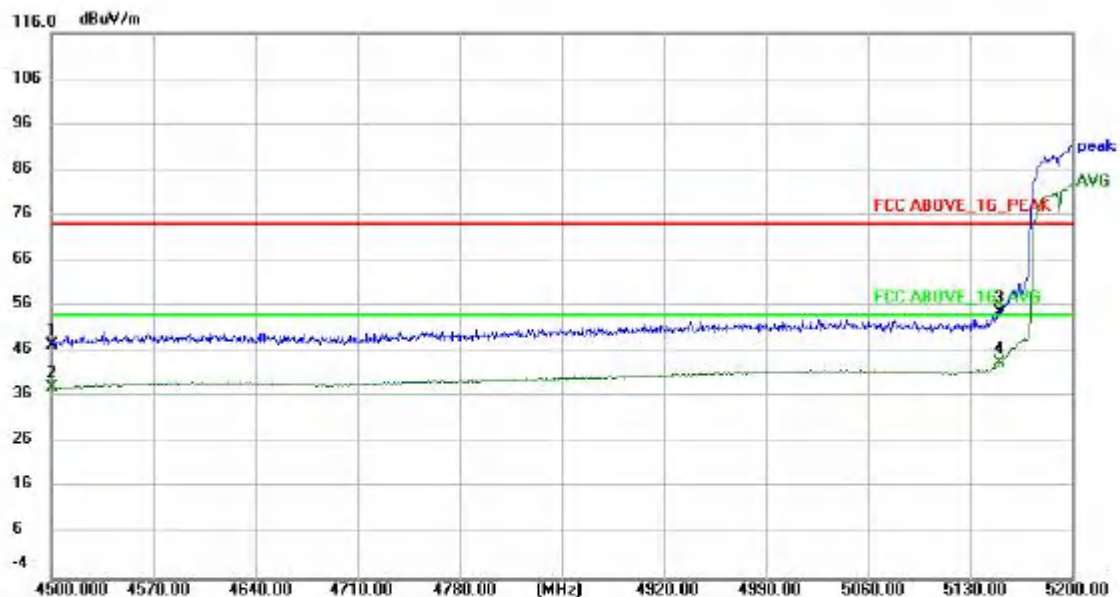


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
1		4500.000	47.54	0.62	48.16	74.00	-25.84	peak	
2		4500.000	37.49	0.62	38.11	54.00	-15.89	AVG	
3		5150.000	48.18	2.95	51.13	74.00	-22.87	peak	
4	*	5150.000	38.91	2.95	41.86	54.00	-12.14	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: L

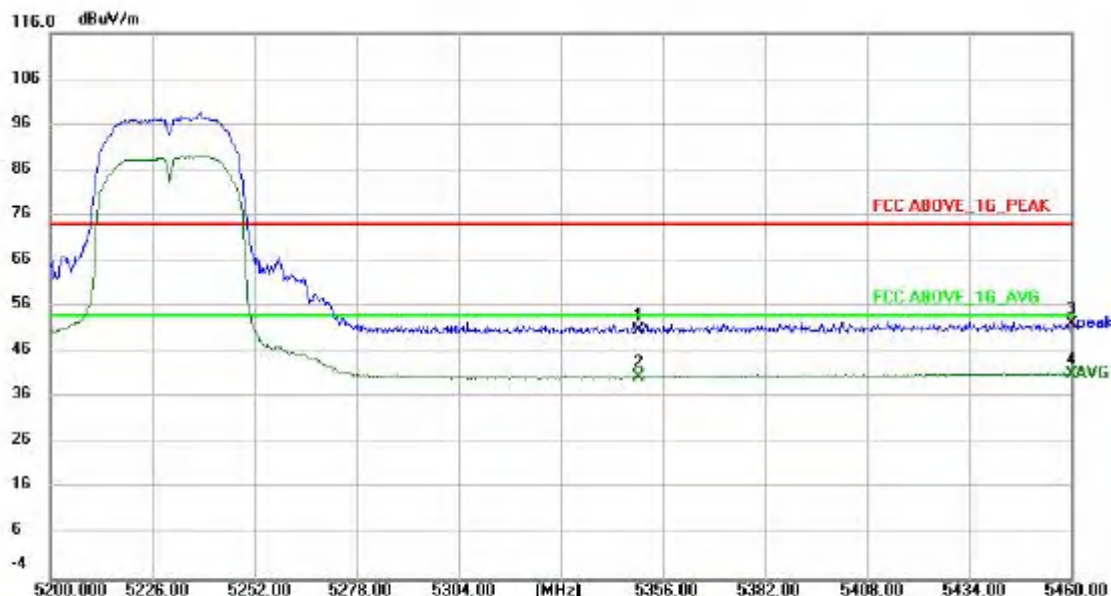


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	46.96	0.62	47.58	74.00	-26.42	peak	
2		4500.000	37.53	0.62	38.15	54.00	-15.85	AVG	
3		5150.000	51.75	2.95	54.70	74.00	-19.30	peak	
4	*	5150.000	40.64	2.95	43.59	54.00	-10.41	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: H

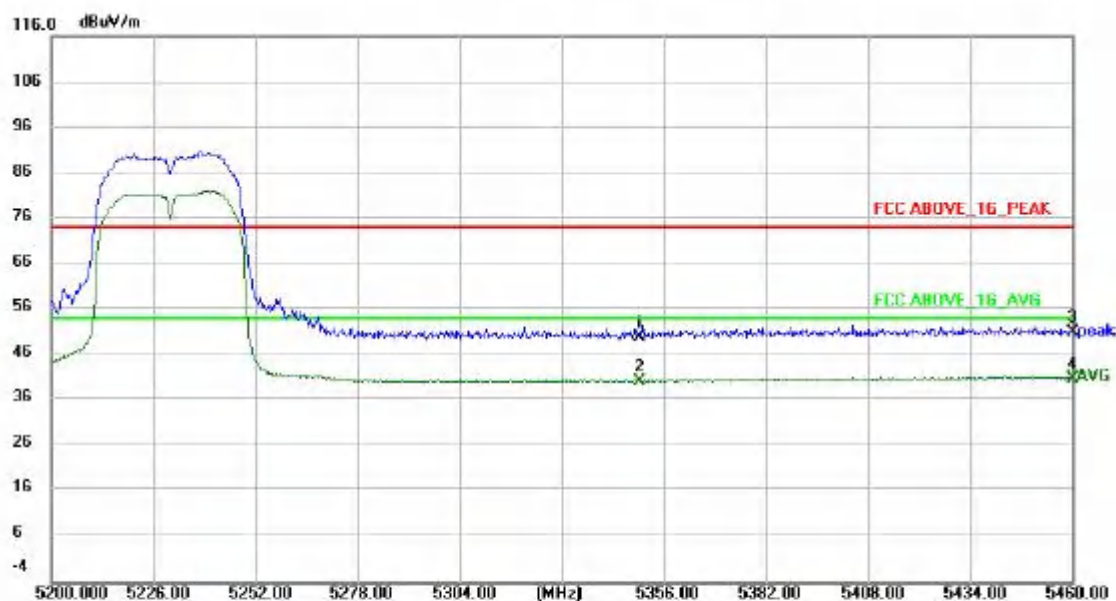


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5350.000	48.13	2.70	50.83	74.00	-23.17	peak	
2		5350.000	37.74	2.70	40.44	54.00	-13.56	AVG	
3		5460.000	49.21	2.98	52.19	74.00	-21.81	peak	
4	*	5460.000	38.22	2.98	41.20	54.00	-12.80	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: H

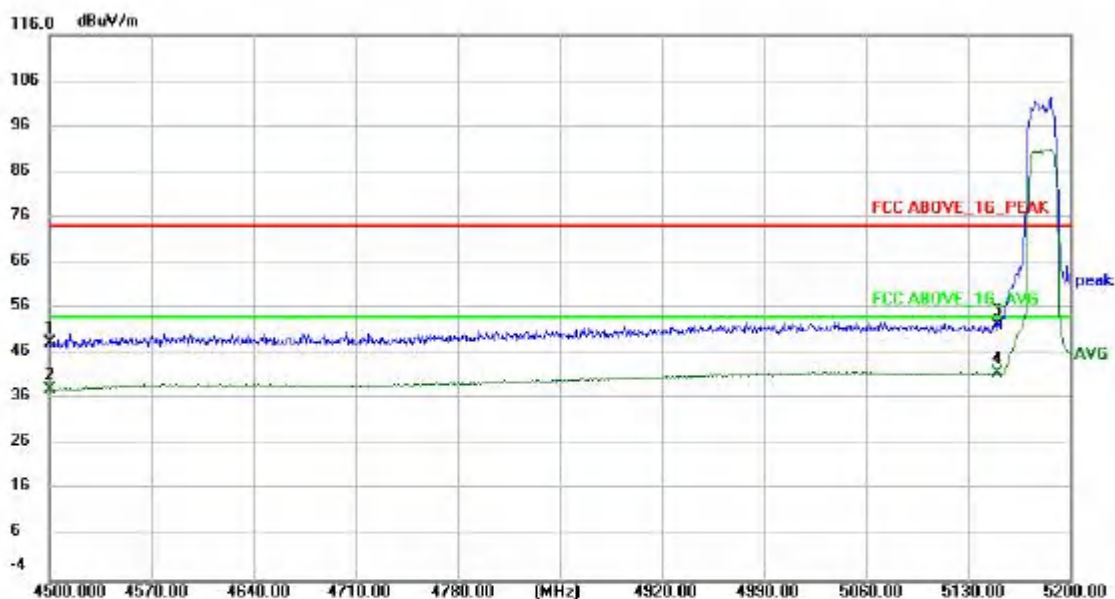


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	47.27	2.70	49.97	74.00	-24.03	peak	
2		5350.000	37.57	2.70	40.27	54.00	-13.73	AVG	
3		5460.000	48.07	2.98	51.05	74.00	-22.95	peak	
4	*	5460.000	38.02	2.98	41.00	54.00	-13.00	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: L

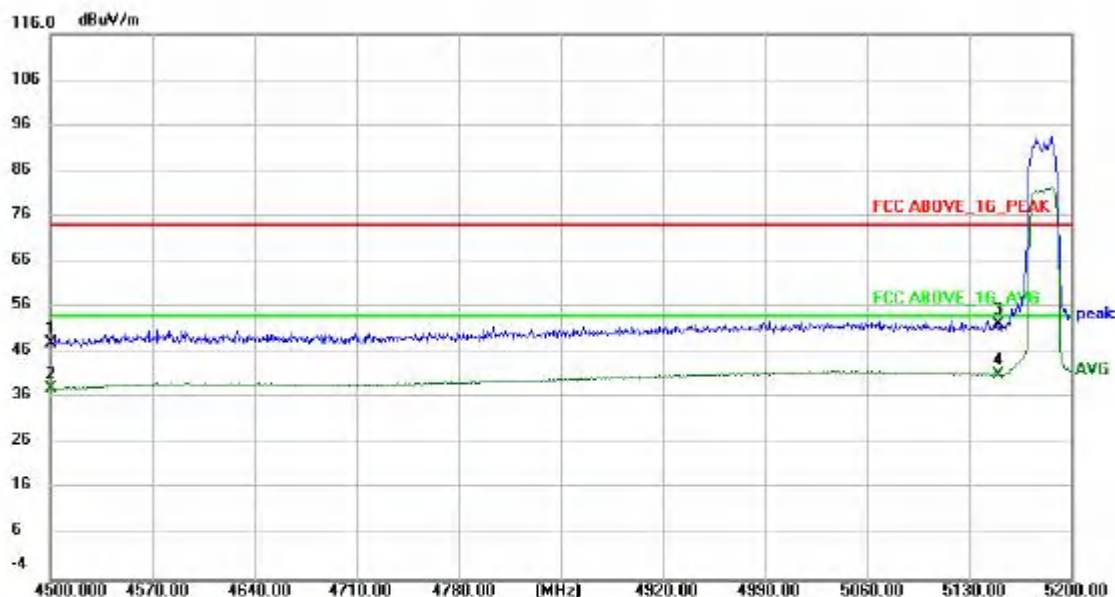


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		4500.000	47.67	0.62	48.29	74.00	-25.71	peak	
2		4500.000	37.65	0.62	38.27	54.00	-15.73	AVG	
3		5150.000	49.24	2.95	52.19	74.00	-21.81	peak	
4	*	5150.000	38.81	2.95	41.76	54.00	-12.24	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: L

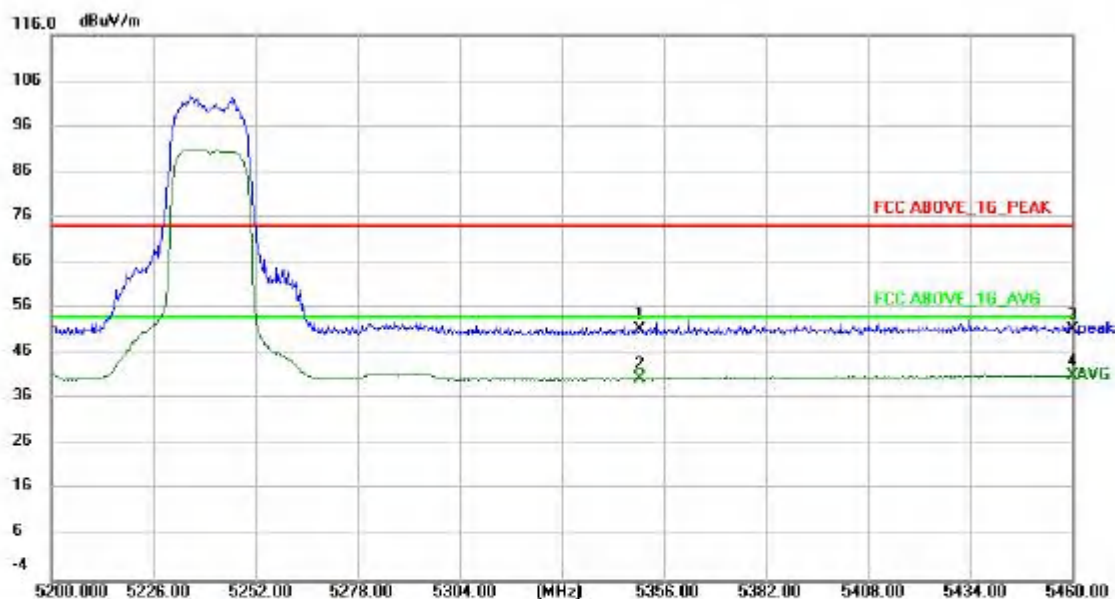


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	47.41	0.62	48.03	74.00	-25.97	peak	
2		4500.000	37.63	0.62	38.25	54.00	-15.75	AVG	
3		5150.000	49.33	2.95	52.28	74.00	-21.72	peak	
4	*	5150.000	38.31	2.95	41.26	54.00	-12.74	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: H

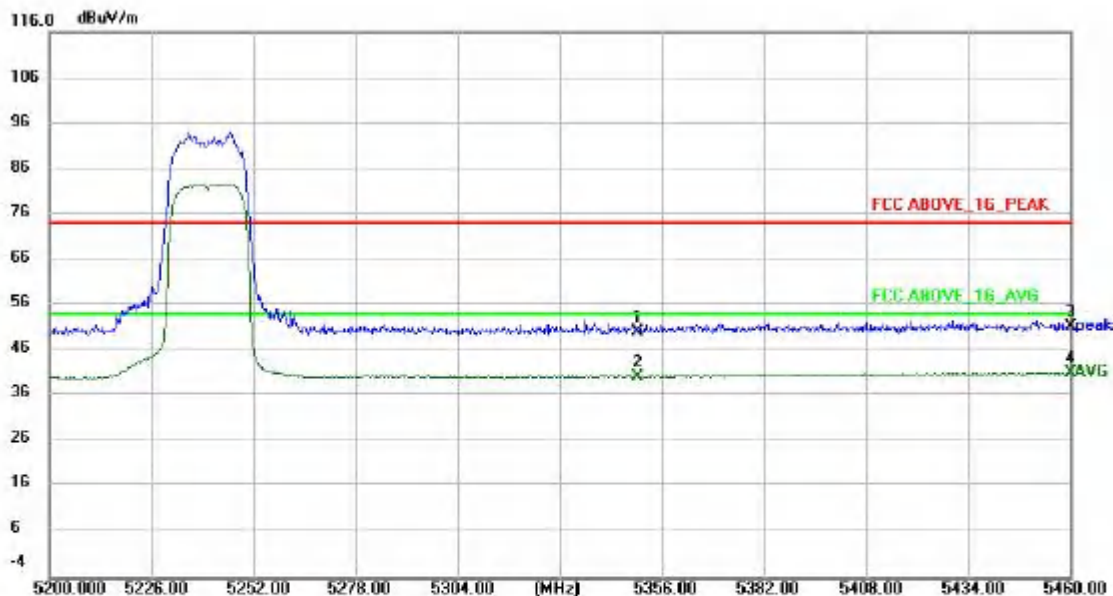


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	48.74	2.70	51.44	74.00	-22.56	peak	
2		5350.000	37.71	2.70	40.41	54.00	-13.59	AVG	
3		5460.000	48.29	2.98	51.27	74.00	-22.73	peak	
4	*	5460.000	38.16	2.98	41.14	54.00	-12.86	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: H

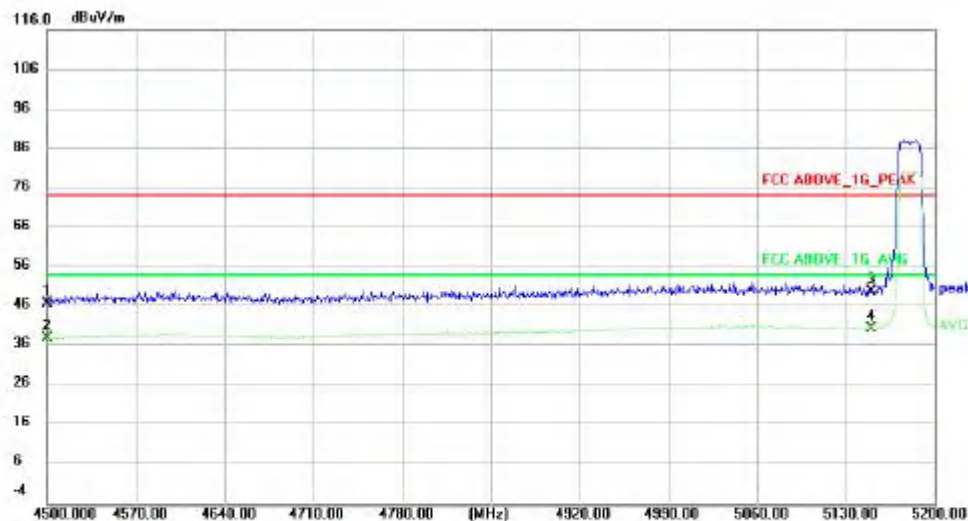


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	47.51	2.70	50.21	74.00	-23.79	peak	
2		5350.000	37.57	2.70	40.27	54.00	-13.73	AVG	
3		5460.000	48.42	2.98	51.40	74.00	-22.60	peak	
4	*	5460.000	38.08	2.98	41.06	54.00	-12.94	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: L

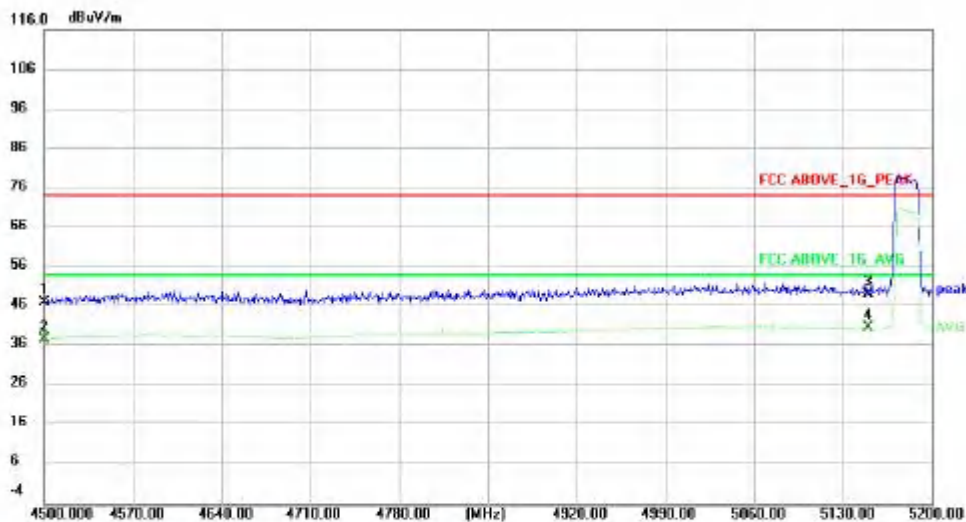


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4500.000	45.85	1.09	46.94	74.00	-27.06	peak	
2	4500.000	36.94	1.09	38.03	54.00	-15.97	AVG	
3	5150.000	47.21	2.77	49.98	74.00	-24.02	peak	
4 *	5150.000	37.80	2.77	40.57	54.00	-13.43	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: L

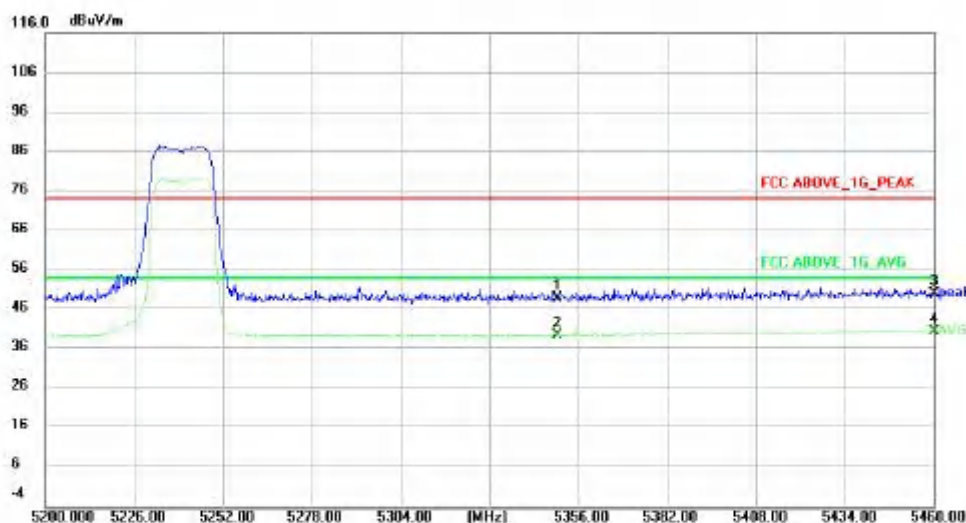


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
1		4500.000	45.98	1.09	47.07	74.00	-28.03	peak	
2		4500.000	38.89	1.09	37.98	54.00	-16.02	AVG	
3		5150.000	48.57	2.77	49.34	74.00	-24.66	peak	
4	*	5150.000	37.95	2.77	40.72	54.00	-13.28	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: H

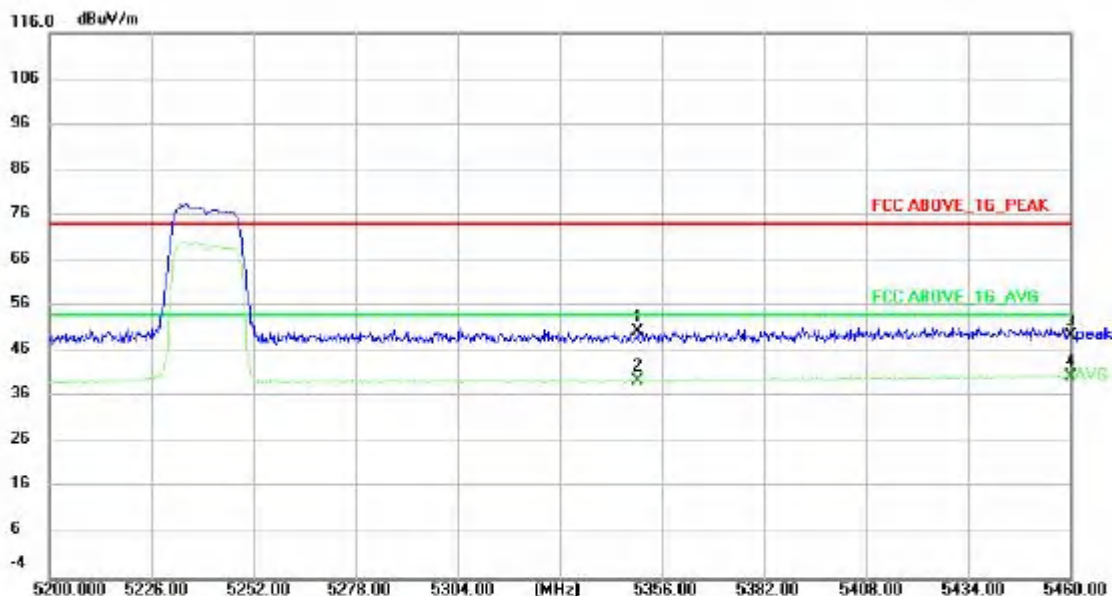


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5350.000	48.39	2.64	49.03	74.00	-24.97	peak	
2		5350.000	38.97	2.64	39.61	54.00	-14.39	AVG	
3		5460.000	47.21	2.98	50.19	74.00	-23.81	peak	
4	*	5460.000	37.48	2.98	40.46	54.00	-13.54	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: H



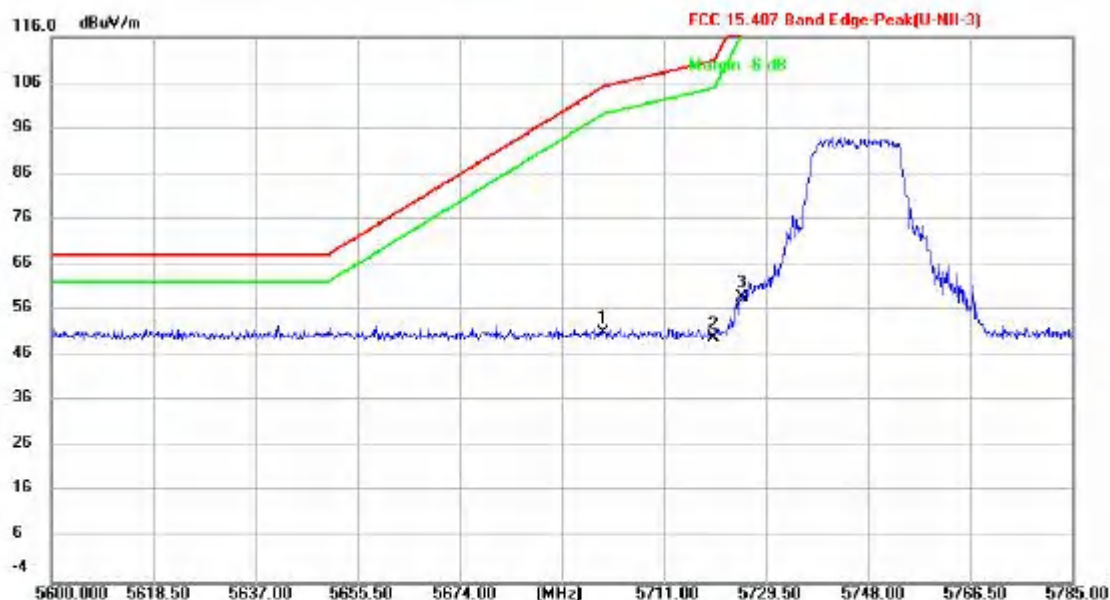
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	47.71	2.64	50.35	74.00	-23.65	peak	
2		5350.000	36.95	2.64	39.59	54.00	-14.41	AVG	
3		5460.000	46.47	2.98	49.45	74.00	-24.55	peak	
4	*	5460.000	37.45	2.98	40.43	54.00	-13.57	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

U-NII-3:

Mode1 / Polarization: Horizontal / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.15	3.76	50.91	105.20	-54.29	peak	
2		5720.000	46.10	3.75	49.85	110.80	-60.95	peak	
3		5725.000	55.00	3.75	58.75	122.20	-63.45	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.34	3.76	51.10	105.20	-54.10	peak	
2		5720.000	47.50	3.75	51.25	110.80	-59.55	peak	
3		5725.000	56.36	3.75	60.11	122.20	-62.09	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Horizontal / CH: H



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5855.000	49.68	4.30	53.98	110.80	-56.82	peak	
2		5875.000	47.79	4.41	52.20	105.20	-53.00	peak	
3	*	5920.000	48.61	4.66	53.27	71.90	-18.63	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H

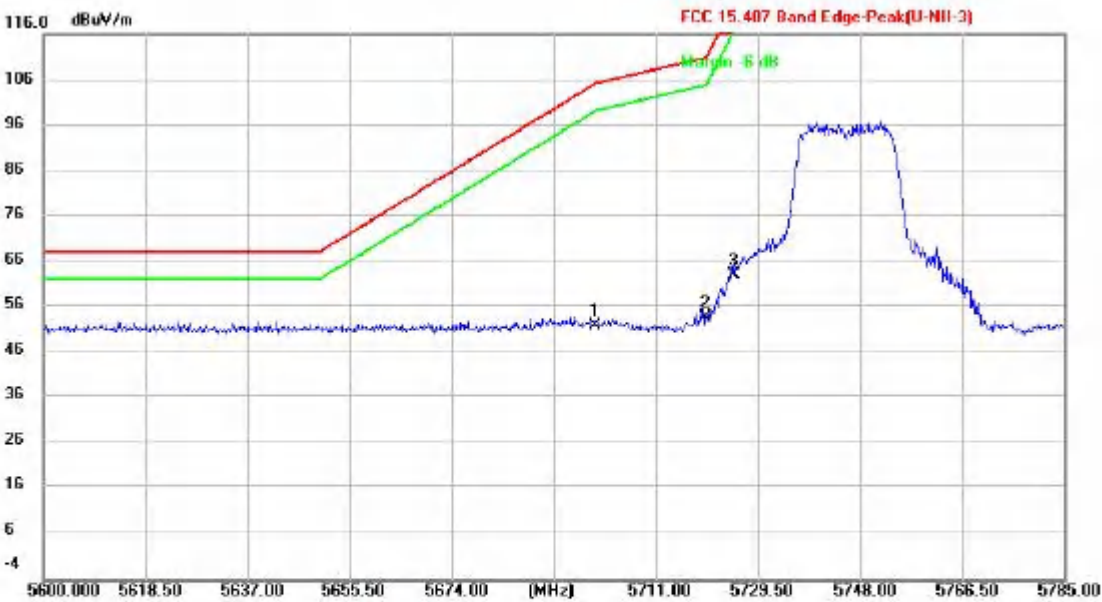


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	52.08	4.30	56.38	110.80	-54.42	peak	
2		5875.000	48.38	4.41	52.79	105.20	-52.41	peak	
3	*	5920.000	47.62	4.66	52.28	71.90	-19.62	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: L

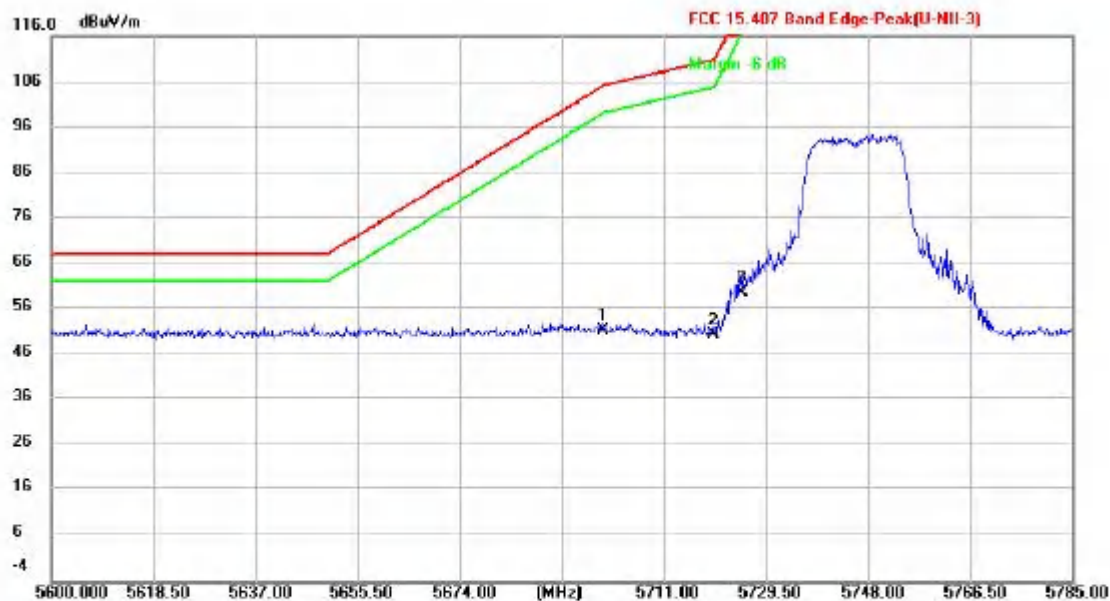


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5700.000	48.23	3.76	51.99	105.20	-53.21	peak	
2		5720.000	50.15	3.75	53.90	110.80	-56.90	peak	
3		5725.000	59.39	3.75	63.14	122.20	-59.06	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.70	3.76	51.46	105.20	-53.74	peak	
2		5720.000	46.74	3.75	50.49	110.80	-60.31	peak	
3		5725.000	55.93	3.75	59.68	122.20	-62.52	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	46.43	4.30	50.73	110.80	-60.07	peak	
2		5875.000	46.73	4.41	51.14	105.20	-54.06	peak	
3	*	5920.000	46.93	4.66	51.59	71.90	-20.31	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	48.01	4.30	52.31	110.80	-58.49	peak	
2		5875.000	48.36	4.41	52.77	105.20	-52.43	peak	
3	*	5920.000	47.86	4.66	52.52	71.90	-19.38	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: L

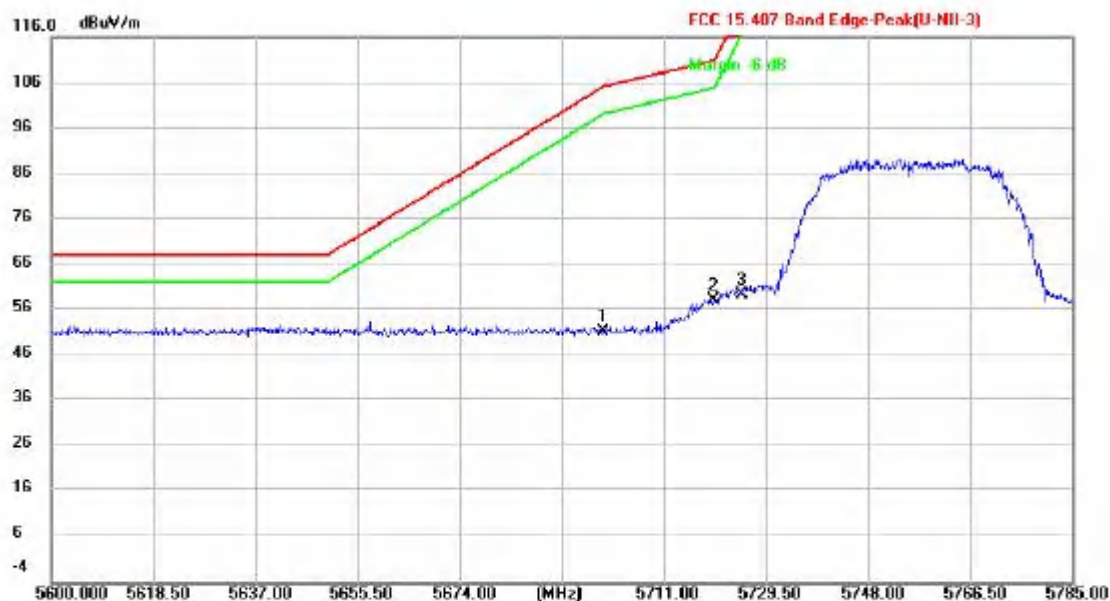


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5700.000	49.43	3.76	53.19	105.20	-52.01	peak	
2	*	5720.000	64.14	3.75	67.89	110.80	-42.91	peak	
3		5725.000	64.96	3.75	68.71	122.20	-53.49	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5700.000	47.60	3.76	51.36	105.20	-53.84	peak	
2	*	5720.000	54.64	3.75	58.39	110.80	-52.41	peak	
3		5725.000	55.77	3.75	59.52	122.20	-62.68	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: H

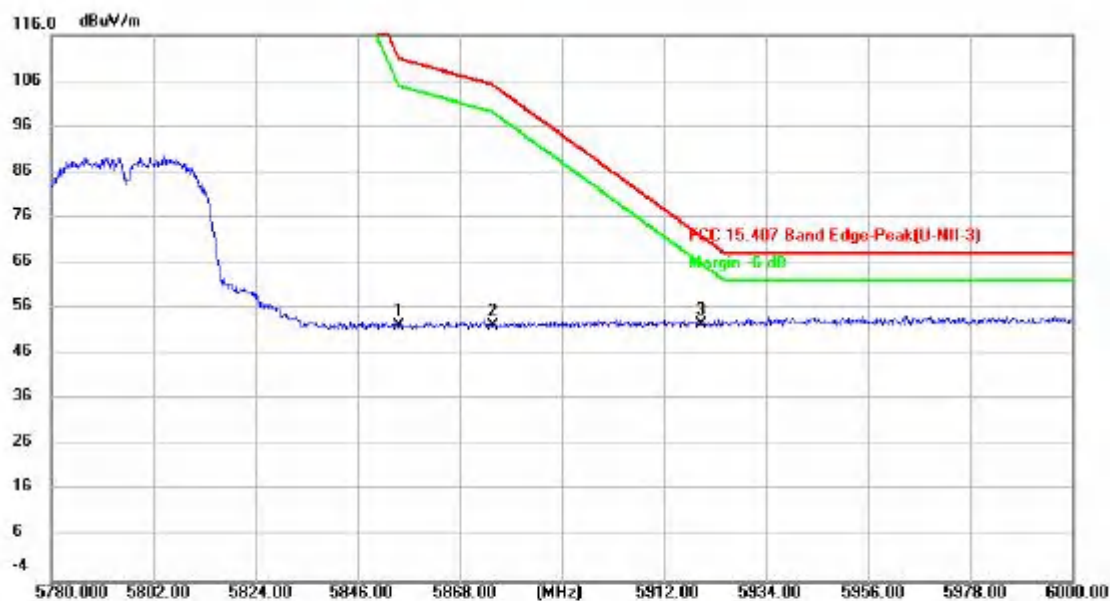


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	48.51	4.30	52.81	110.80	-57.99	peak	
2		5875.000	48.32	4.41	52.73	105.20	-52.47	peak	
3	*	5920.000	48.58	4.66	53.24	71.90	-18.66	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: H



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		5855.000	47.85	4.30	52.15	110.80	-58.65	peak	
2		5875.000	47.80	4.41	52.21	105.20	-52.99	peak	
3	*	5920.000	47.90	4.66	52.56	71.90	-19.34	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: L

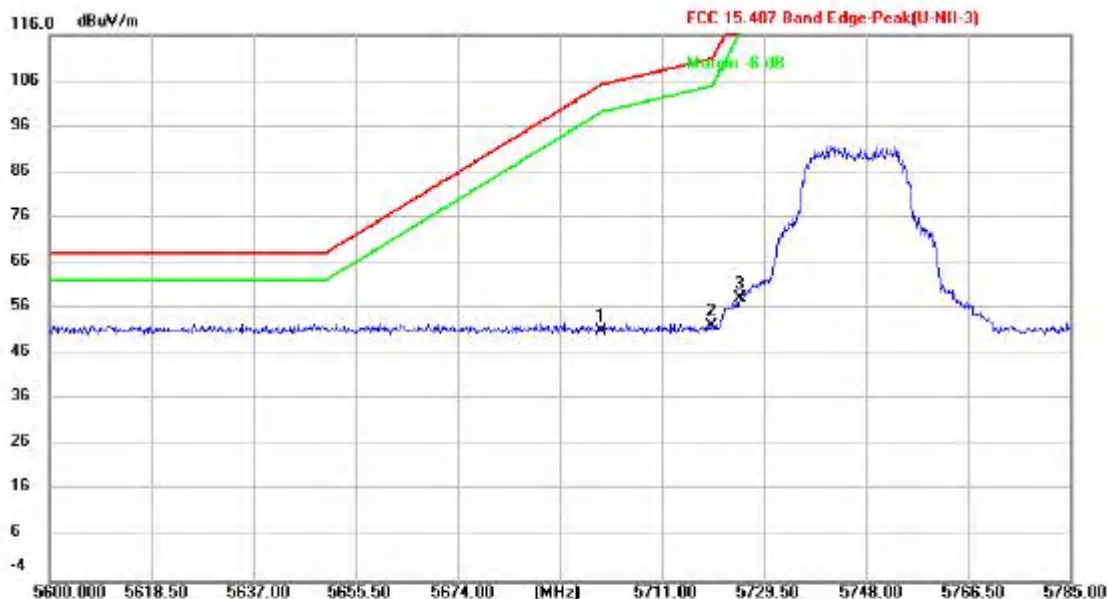


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5700.000	48.32	3.76	52.08	105.20	-53.12	peak	
2		5720.000	51.68	3.75	55.43	110.80	-55.37	peak	
3		5725.000	60.71	3.75	64.46	122.20	-57.74	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.37	3.76	51.13	105.20	-54.07	peak	
2		5720.000	48.44	3.75	52.19	110.80	-58.61	peak	
3		5725.000	54.48	3.75	58.23	122.20	-63.97	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	54.06	4.30	58.36	110.80	-52.44	peak	
2		5875.000	48.73	4.41	53.14	105.20	-52.06	peak	
3	*	5920.000	47.75	4.66	52.41	71.90	-19.49	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	47.00	4.30	51.30	110.80	-59.50	peak	
2		5875.000	47.00	4.41	51.41	105.20	-53.79	peak	
3	*	5920.000	48.15	4.66	52.81	71.90	-19.09	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: L

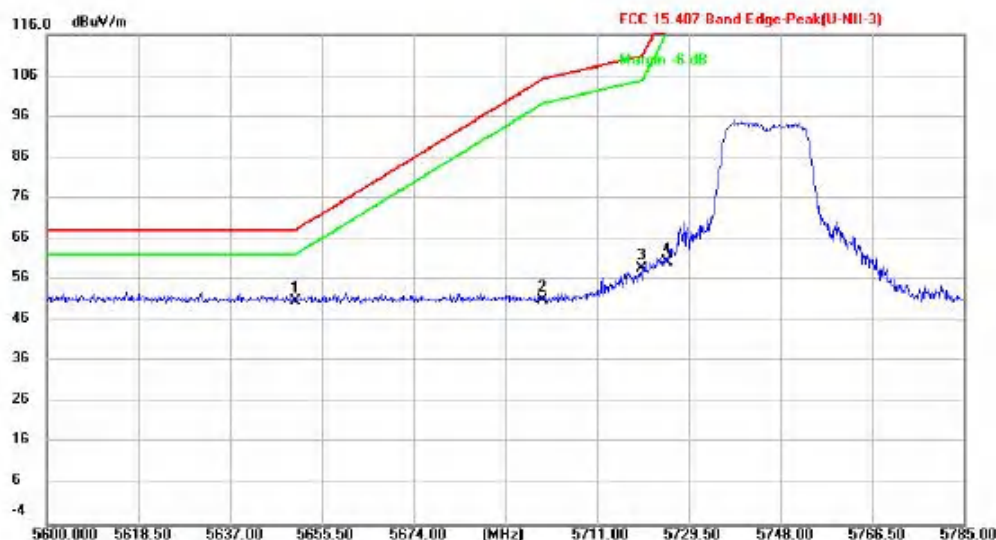


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5650.000	49.39	3.29	52.68	68.20	-15.52	peak	
2		5700.000	50.53	3.61	54.14	105.20	-51.06	peak	
3		5720.000	67.21	3.59	70.80	110.80	-40.00	peak	
4		5725.000	67.90	3.58	71.48	122.20	-50.72	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5650.000	47.44	3.29	50.73	68.20	-17.47	peak	
2		5700.000	47.44	3.61	51.05	105.20	-54.15	peak	
3		5720.000	55.34	3.59	58.93	110.80	-51.87	peak	
4		5725.000	56.73	3.58	60.31	122.20	-61.89	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	63.97	4.00	67.97	122.20	-54.23	peak	
2		5855.000	58.38	4.01	62.39	110.80	-48.41	peak	
3		5875.000	48.97	4.11	53.08	105.20	-52.12	peak	
4	*	5920.000	48.91	4.32	53.23	71.90	-18.67	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: H



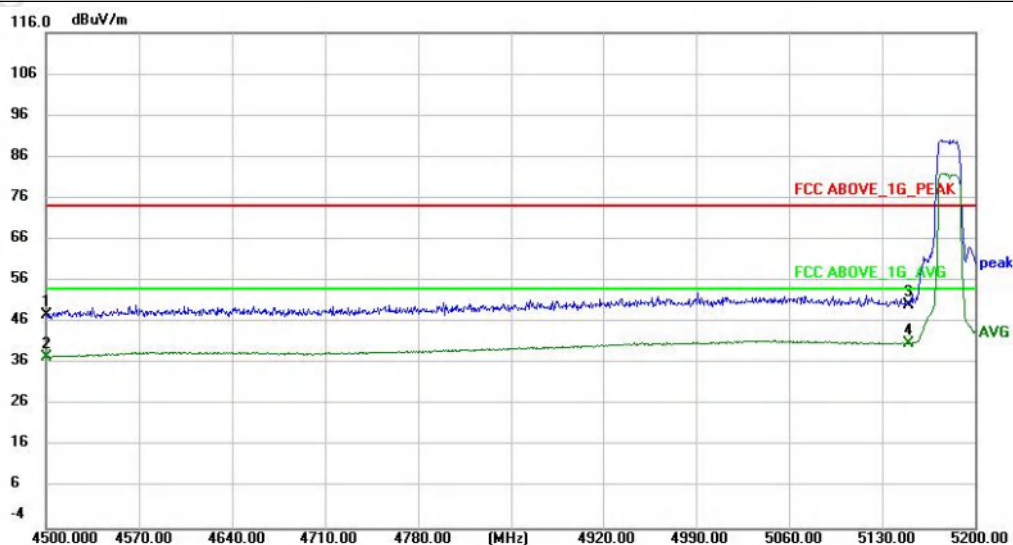
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	55.65	4.00	59.65	122.20	-62.55	peak	
2		5855.000	51.62	4.01	55.63	110.80	-55.17	peak	
3		5875.000	47.57	4.11	51.68	105.20	-53.52	peak	
4	*	5920.000	49.44	4.32	53.76	71.90	-18.14	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

ANT2:
U-NII-1:

Mode1 / Polarization: Horizontal / CH: L

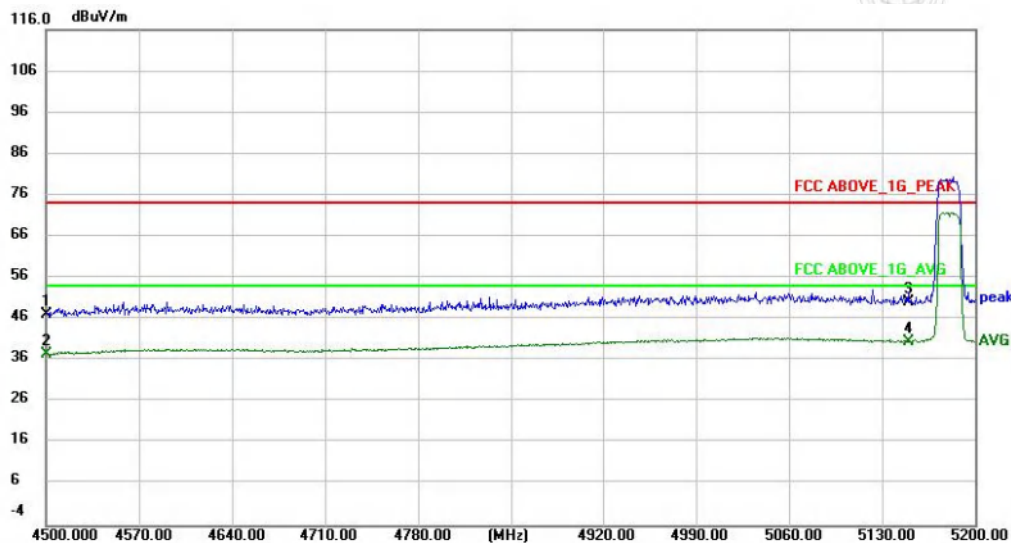


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4500.000	47.05	0.62	47.67	74.00	-26.33	peak	
2		4500.000	37.06	0.62	37.68	54.00	-16.32	AVG	
3		5150.000	47.34	2.95	50.29	74.00	-23.71	peak	
4	*	5150.000	37.85	2.95	40.80	54.00	-13.20	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: L

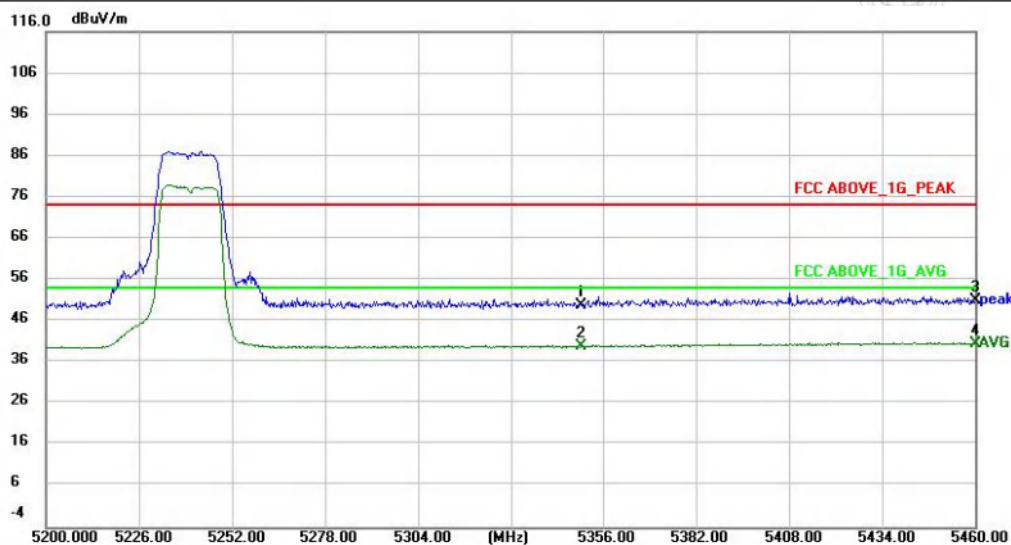


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	46.51	0.62	47.13	74.00	-26.87	peak	
2		4500.000	36.91	0.62	37.53	54.00	-16.47	AVG	
3		5150.000	47.31	2.95	50.26	74.00	-23.74	peak	
4	*	5150.000	37.73	2.95	40.68	54.00	-13.32	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Horizontal / CH: H

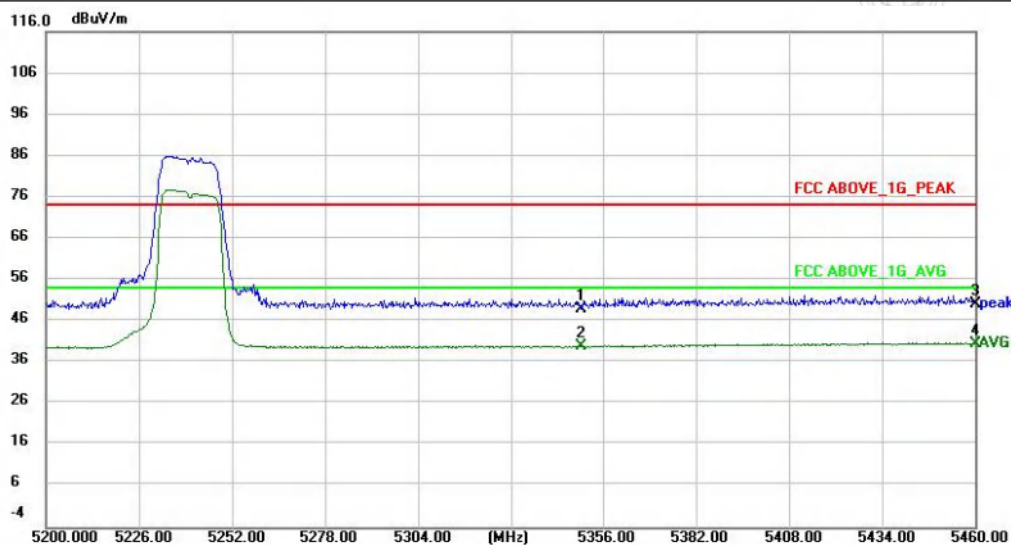


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	47.18	2.70	49.88	74.00	-24.12	peak	
2		5350.000	37.22	2.70	39.92	54.00	-14.08	AVG	
3		5460.000	48.05	2.98	51.03	74.00	-22.97	peak	
4	*	5460.000	37.46	2.98	40.44	54.00	-13.56	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H

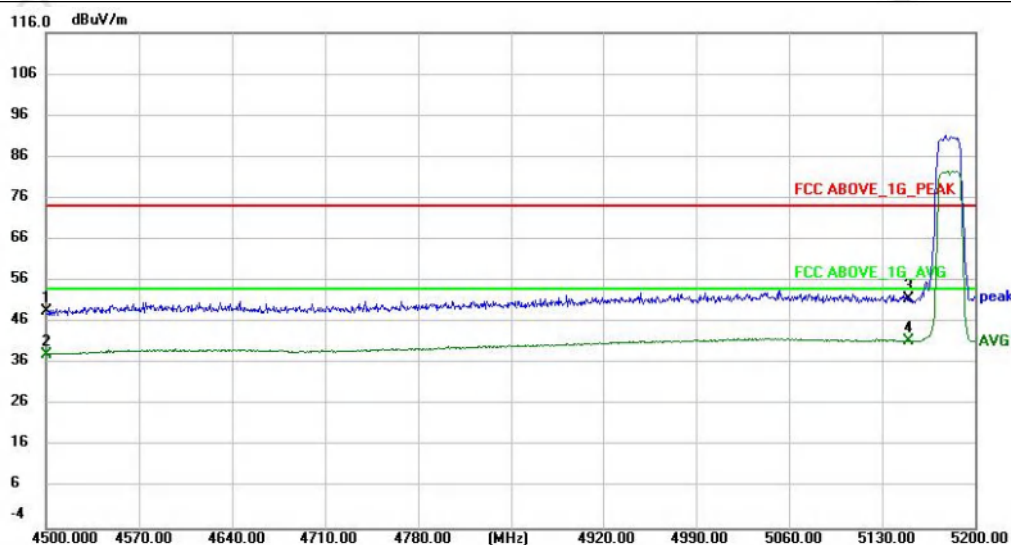


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	46.38	2.70	49.08	74.00	-24.92	peak	
2		5350.000	37.25	2.70	39.95	54.00	-14.05	AVG	
3		5460.000	47.28	2.98	50.26	74.00	-23.74	peak	
4	*	5460.000	37.50	2.98	40.48	54.00	-13.52	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: L

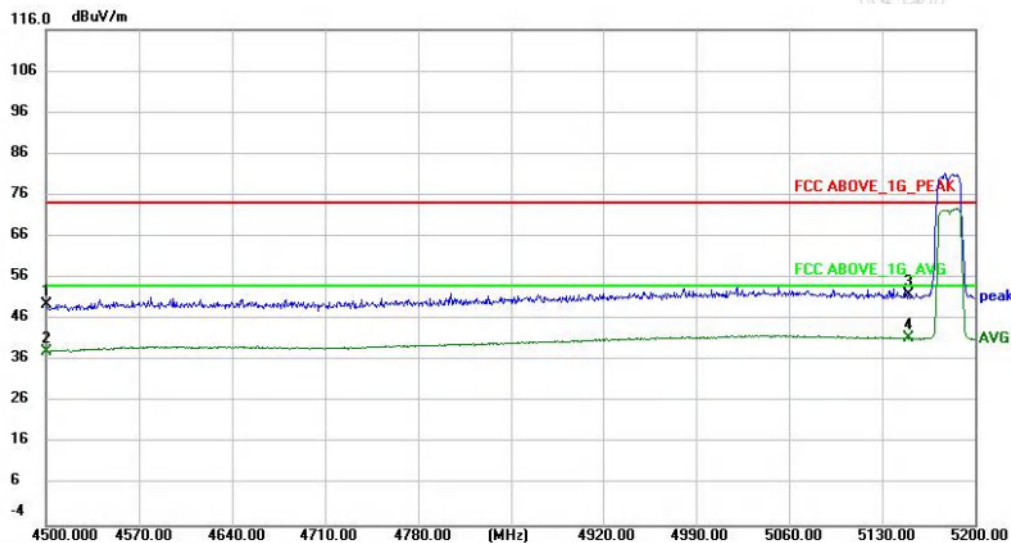


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	48.00	0.62	48.62	74.00	-25.38	peak	
2		4500.000	37.57	0.62	38.19	54.00	-15.81	AVG	
3		5150.000	48.56	2.95	51.51	74.00	-22.49	peak	
4	*	5150.000	38.38	2.95	41.33	54.00	-12.67	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: L

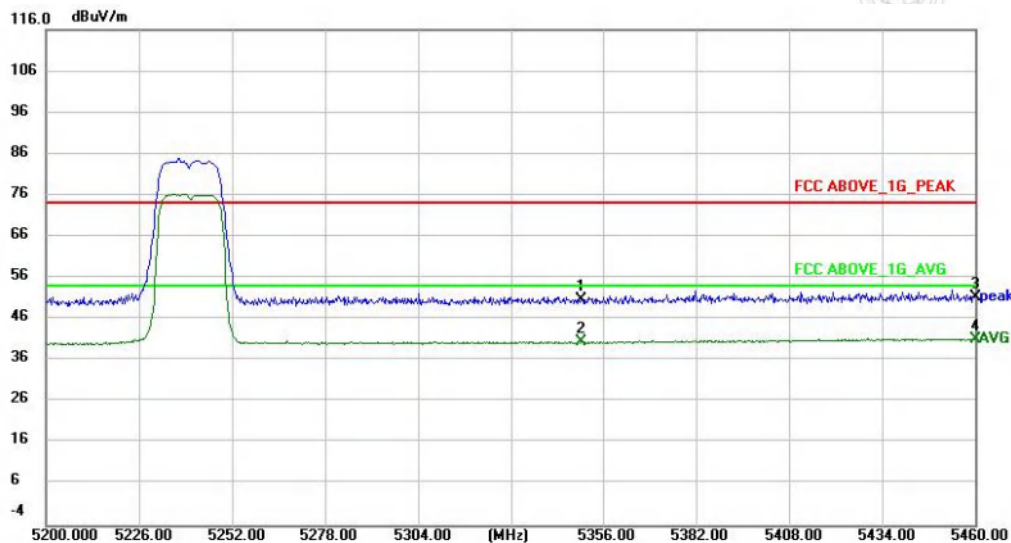


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	49.07	0.62	49.69	74.00	-24.31	peak	
2		4500.000	37.57	0.62	38.19	54.00	-15.81	AVG	
3		5150.000	49.07	2.95	52.02	74.00	-21.98	peak	
4	*	5150.000	38.36	2.95	41.31	54.00	-12.69	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: H

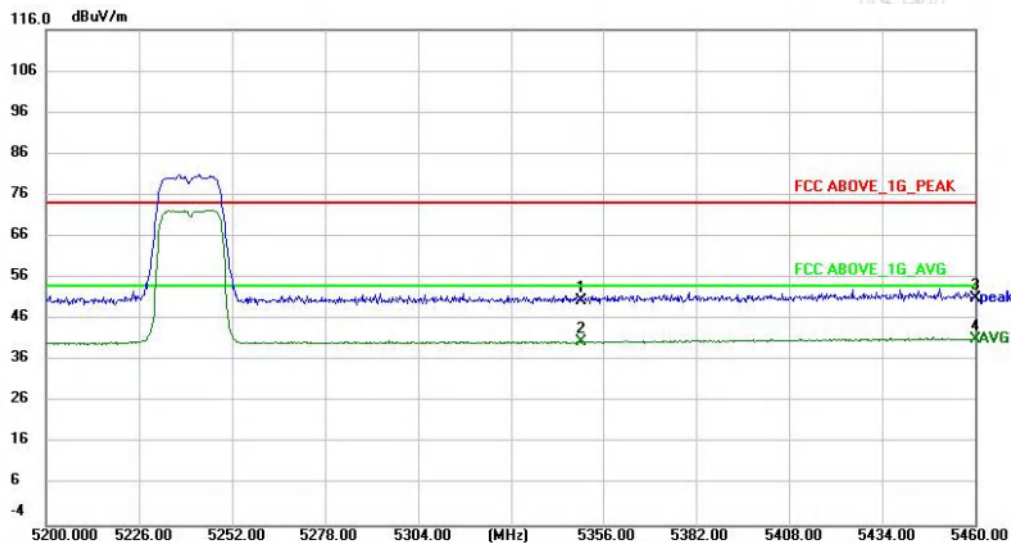


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	48.01	2.70	50.71	74.00	-23.29	peak	
2		5350.000	37.81	2.70	40.51	54.00	-13.49	AVG	
3		5460.000	48.48	2.98	51.46	74.00	-22.54	peak	
4	*	5460.000	38.10	2.98	41.08	54.00	-12.92	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: H

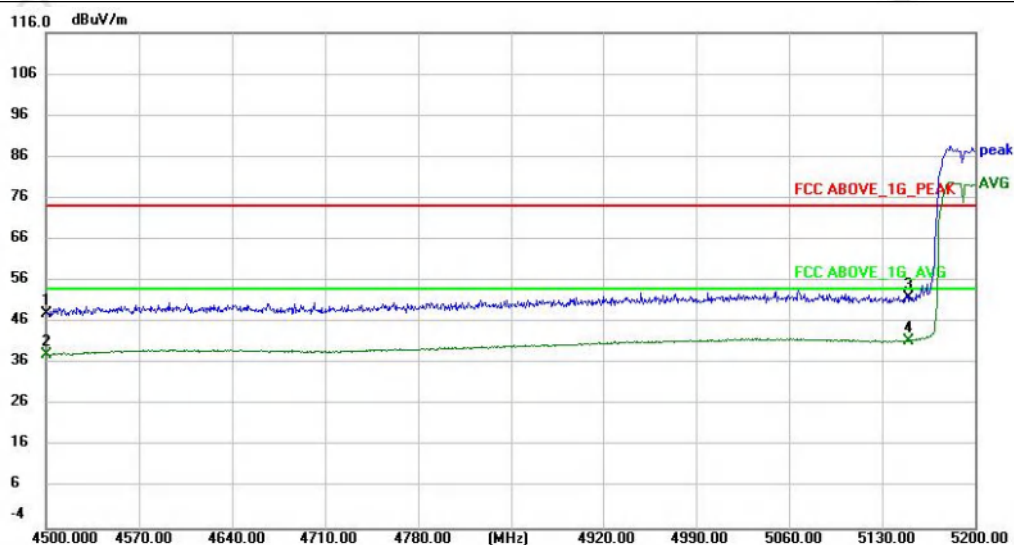


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	47.86	2.70	50.56	74.00	-23.44	peak	
2		5350.000	37.71	2.70	40.41	54.00	-13.59	AVG	
3		5460.000	48.13	2.98	51.11	74.00	-22.89	peak	
4	*	5460.000	38.20	2.98	41.18	54.00	-12.82	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: L

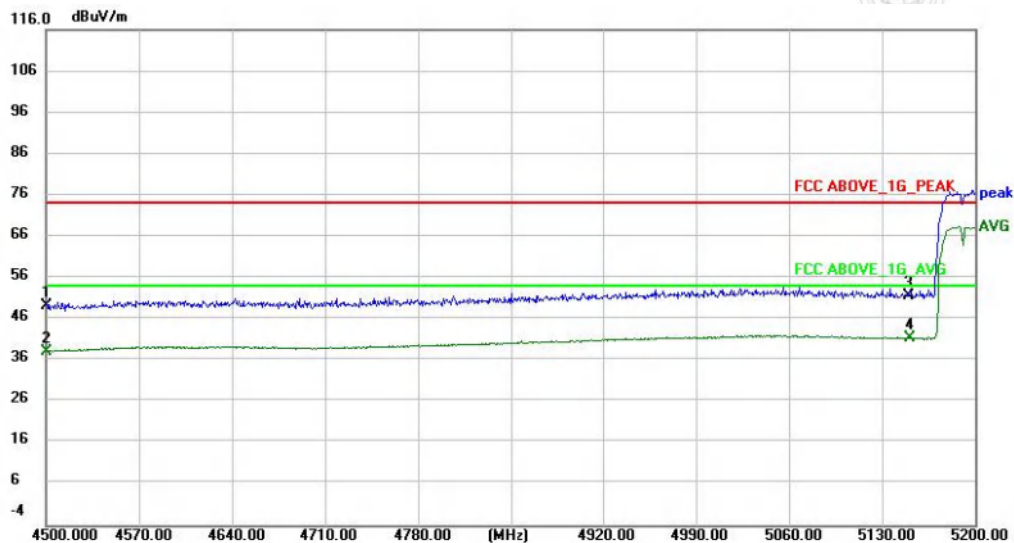


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	47.51	0.62	48.13	74.00	-25.87	peak	
2		4500.000	37.51	0.62	38.13	54.00	-15.87	AVG	
3		5150.000	48.90	2.95	51.85	74.00	-22.15	peak	
4	*	5150.000	38.48	2.95	41.43	54.00	-12.57	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: L

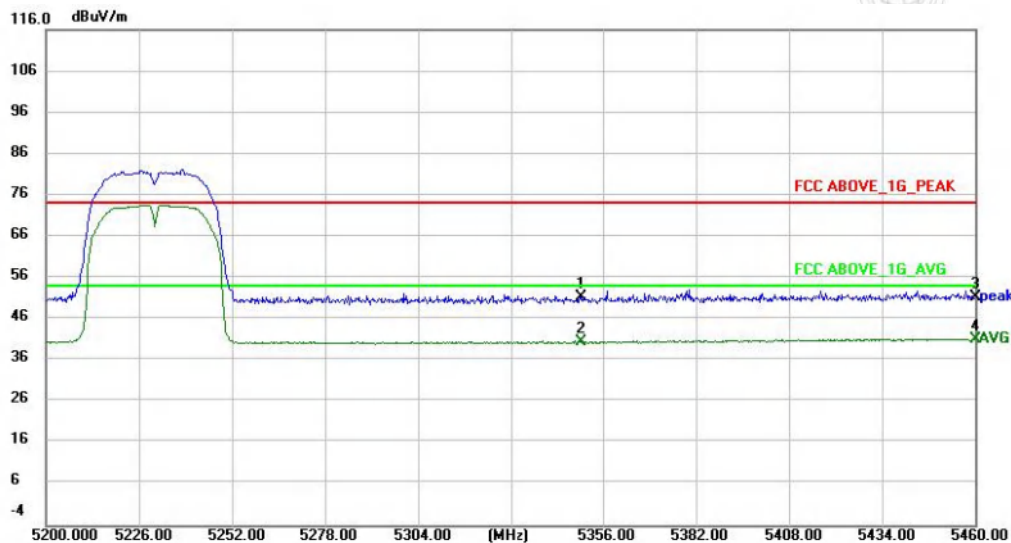


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	48.56	0.62	49.18	74.00	-24.82	peak	
2		4500.000	37.64	0.62	38.26	54.00	-15.74	AVG	
3		5150.000	48.61	2.95	51.56	74.00	-22.44	peak	
4	*	5151.000	38.46	2.94	41.40	54.00	-12.60	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: H

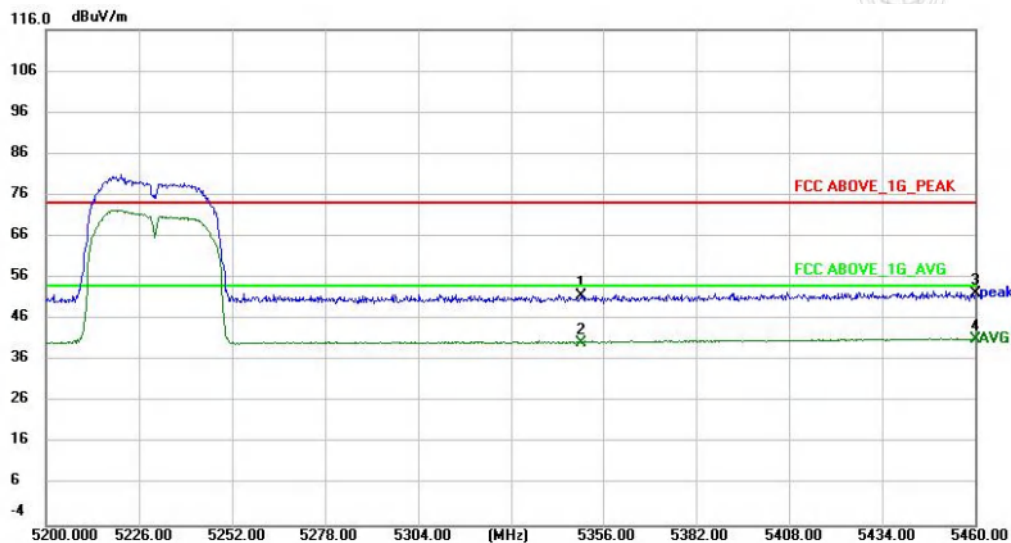


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5350.000	48.53	2.70	51.23	74.00	-22.77	peak	
2		5350.000	37.77	2.70	40.47	54.00	-13.53	AVG	
3		5460.000	48.28	2.98	51.26	74.00	-22.74	peak	
4	*	5460.000	38.19	2.98	41.17	54.00	-12.83	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: H

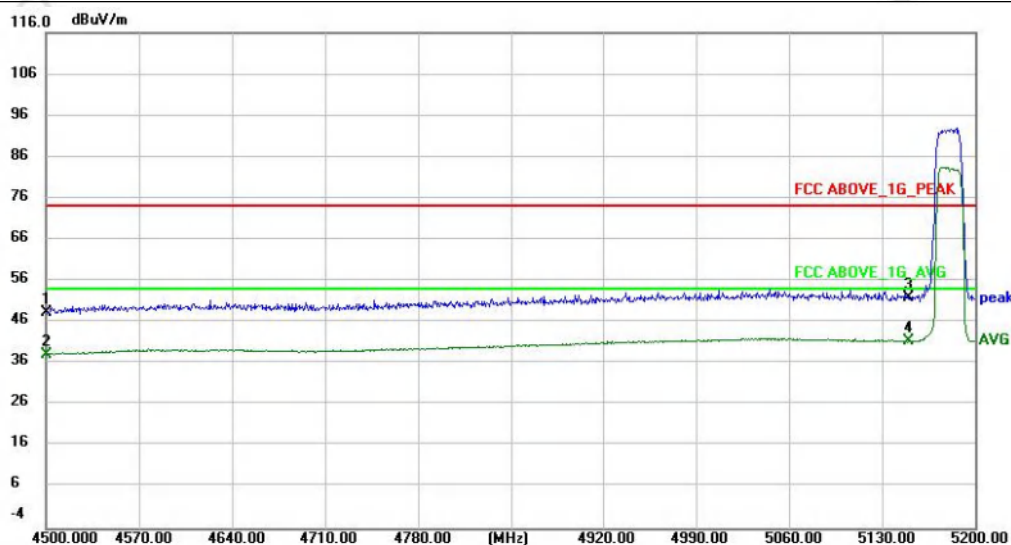


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	48.85	2.70	51.55	74.00	-22.45	peak	
2		5350.000	37.67	2.70	40.37	54.00	-13.63	AVG	
3		5460.000	49.26	2.98	52.24	74.00	-21.76	peak	
4	*	5460.000	38.06	2.98	41.04	54.00	-12.96	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: L

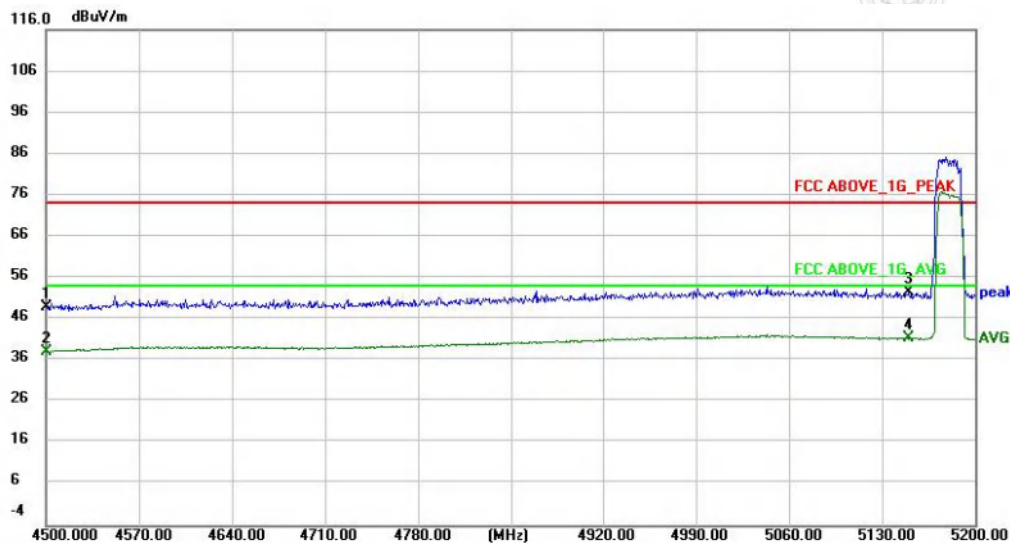


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	47.71	0.62	48.33	74.00	-25.67	peak	
2		4500.000	37.60	0.62	38.22	54.00	-15.78	AVG	
3		5150.000	49.06	2.95	52.01	74.00	-21.99	peak	
4	*	5150.000	38.42	2.95	41.37	54.00	-12.63	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: L

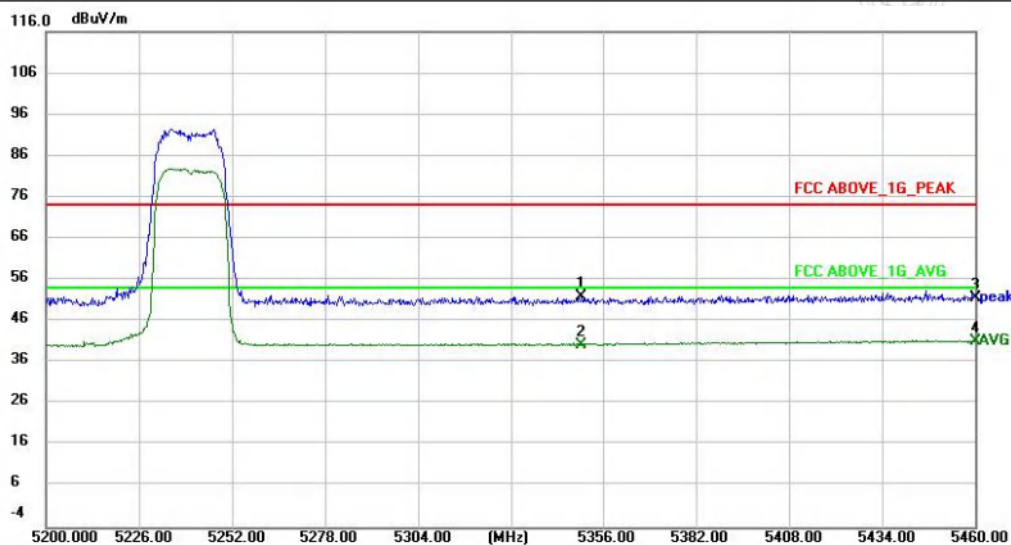


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4500.000	48.35	0.62	48.97	74.00	-25.03	peak	
2		4500.000	37.49	0.62	38.11	54.00	-15.89	AVG	
3		5150.000	49.49	2.95	52.44	74.00	-21.56	peak	
4	*	5150.000	38.44	2.95	41.39	54.00	-12.61	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: H

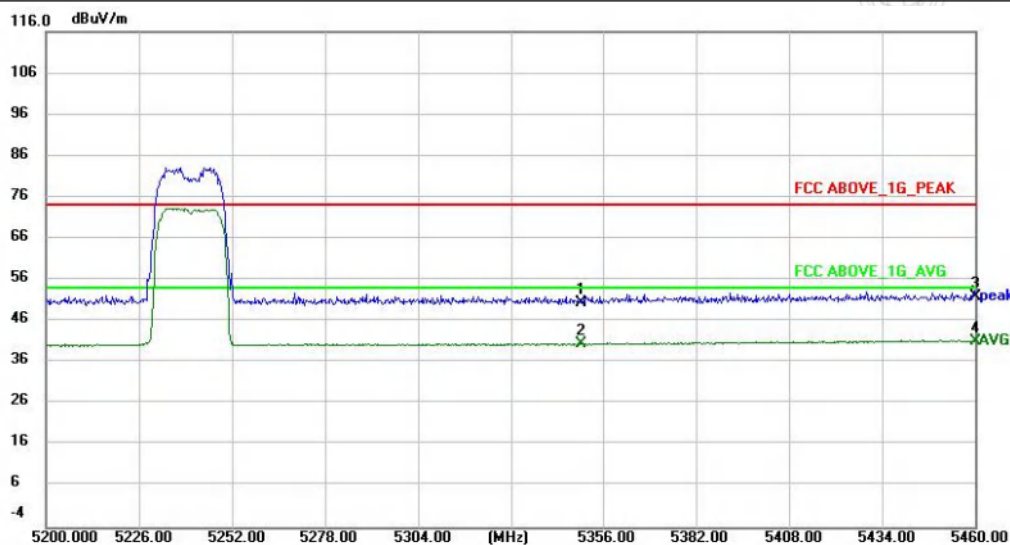


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	49.12	2.70	51.82	74.00	-22.18	peak	
2		5350.000	37.67	2.70	40.37	54.00	-13.63	AVG	
3		5460.000	48.71	2.98	51.69	74.00	-22.31	peak	
4	*	5460.000	38.28	2.98	41.26	54.00	-12.74	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: H

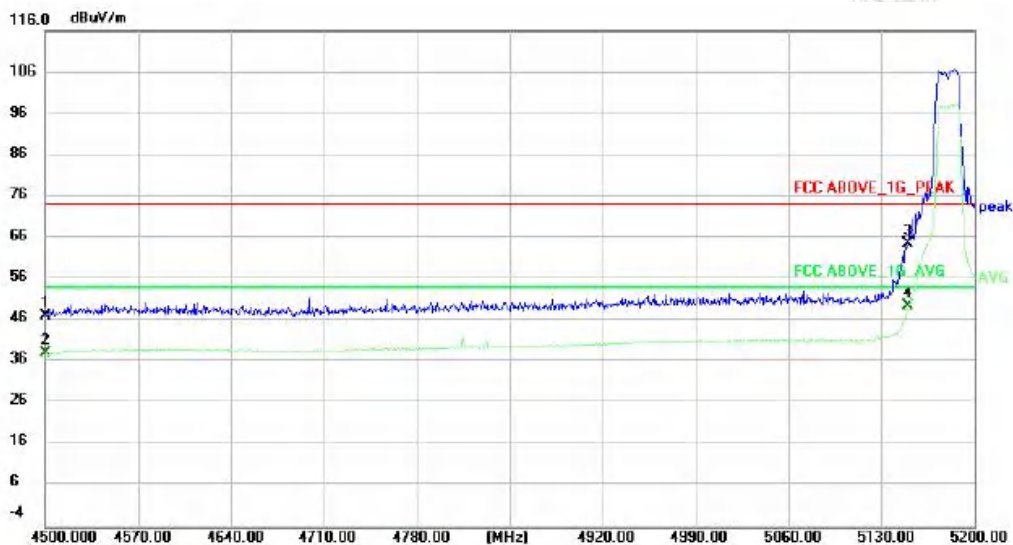


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	47.89	2.70	50.59	74.00	-23.41	peak	
2		5350.000	37.71	2.70	40.41	54.00	-13.59	AVG	
3		5460.000	49.03	2.98	52.01	74.00	-21.99	peak	
4	*	5460.000	38.12	2.98	41.10	54.00	-12.90	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: L

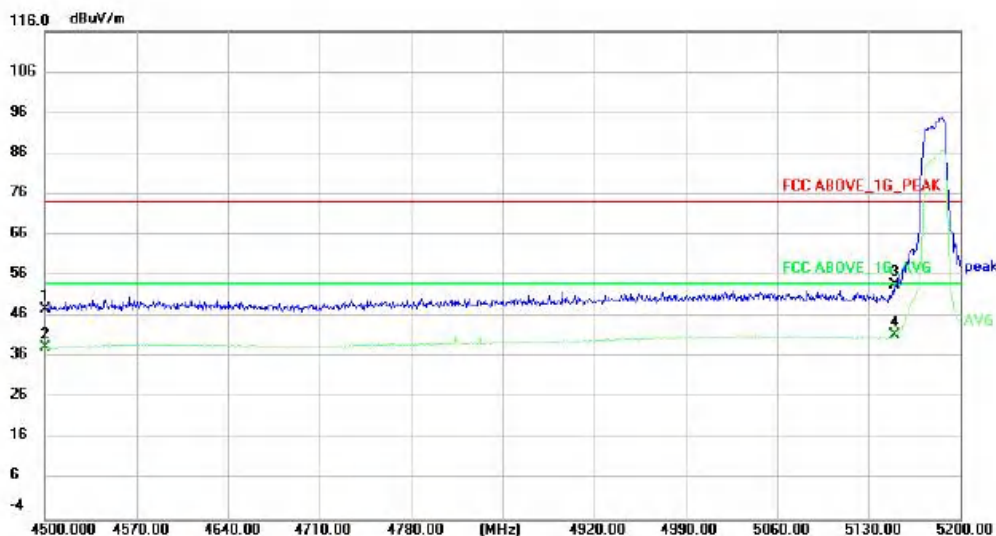


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
		MHz	Level	Factor	ment			
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4500.000	46.00	1.09	47.09	74.00	-26.91	peak
2		4500.000	37.21	1.09	38.30	54.00	-15.70	AVG
3		5150.000	61.65	2.77	64.42	74.00	-9.58	peak
4	*	5150.000	46.68	2.77	49.45	54.00	-4.55	AVG

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: L

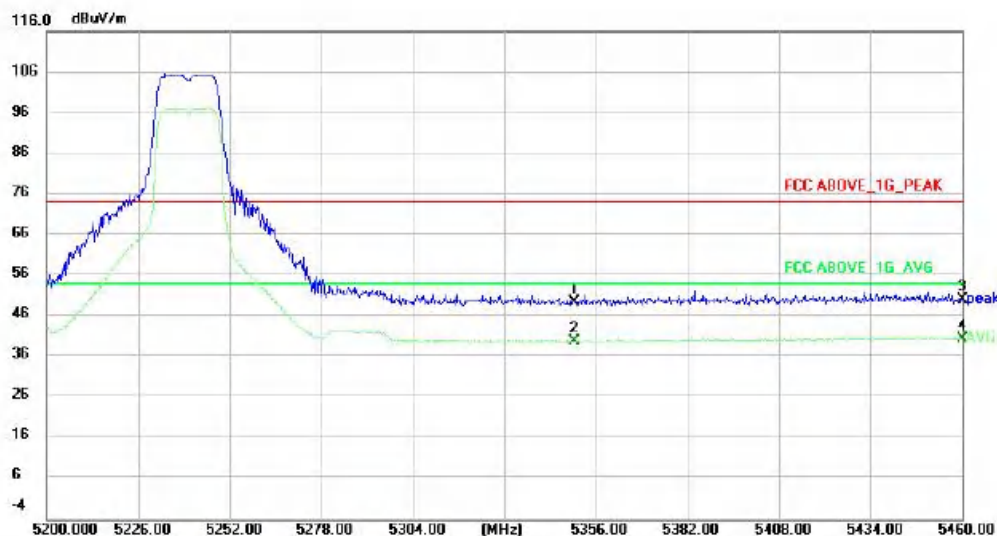


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4500.000	46.65	1.09	47.74	74.00	-26.26	peak	
2		4500.000	37.26	1.09	38.35	54.00	-15.65	AVG	
3		5150.000	51.05	2.77	53.82	74.00	-20.18	peak	
4	*	5150.000	38.73	2.77	41.50	54.00	-12.50	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: H

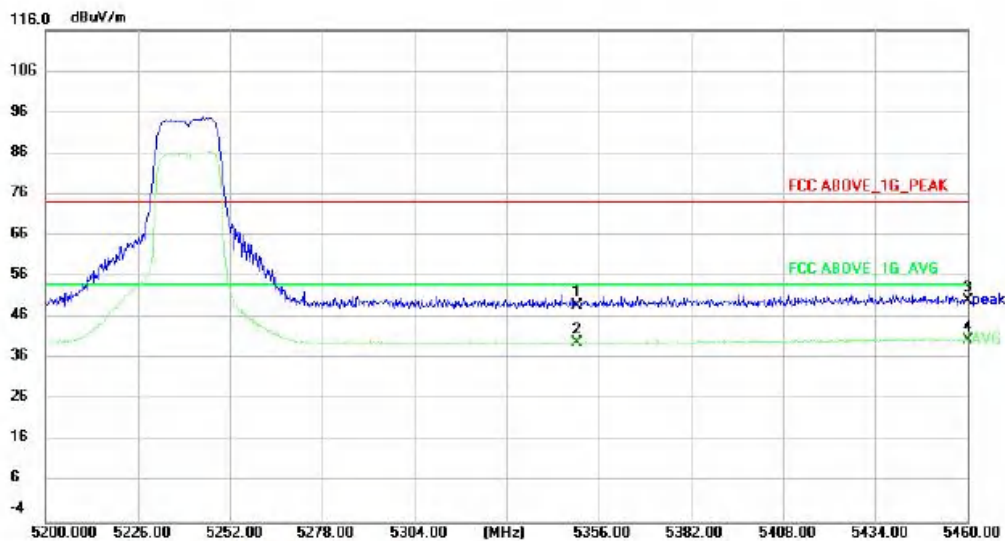


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	47.00	2.64	49.64	74.00	-24.36	peak	
2		5350.000	37.39	2.64	40.03	54.00	-13.97	AVG	
3		5460.000	47.05	2.98	50.03	74.00	-23.97	peak	
4	*	5460.000	37.65	2.98	40.63	54.00	-13.37	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: H



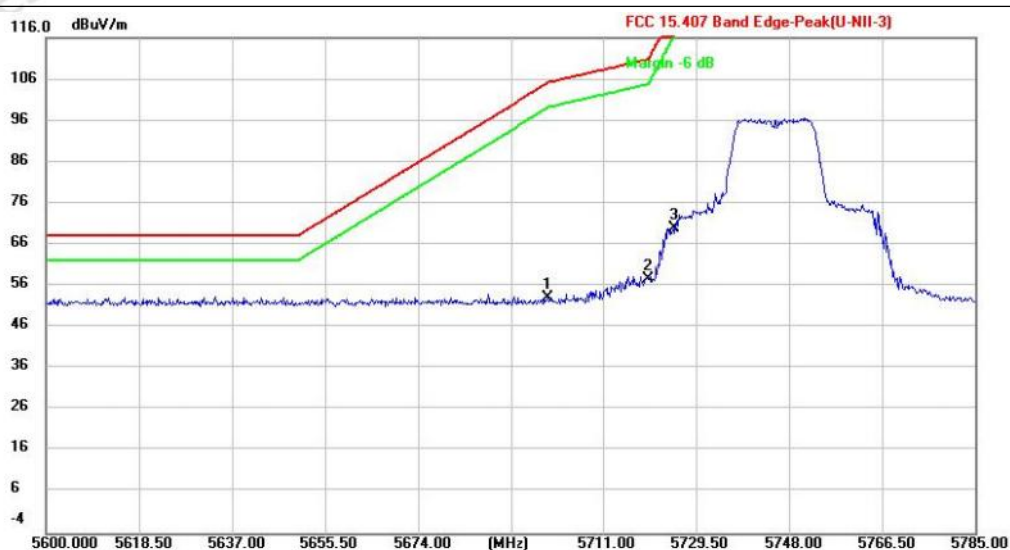
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5350.000	46.23	2.64	48.87	74.00	-25.13	peak	
2		5350.000	37.17	2.64	39.81	54.00	-14.19	AVG	
3		5460.000	47.09	2.98	50.07	74.00	-23.93	peak	
4	*	5460.000	37.64	2.98	40.62	54.00	-13.38	AVG	

TEST REPORT

Report No.: MTi250528001-0108E4

U-NII-3:

Mode1 / Polarization: Horizontal / CH: L

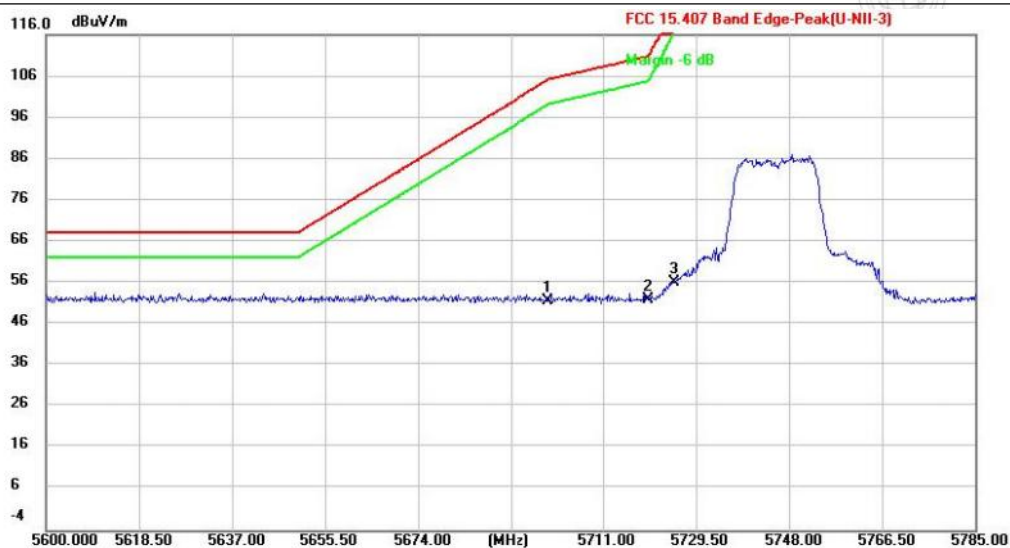


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	49.51	3.76	53.27	105.20	-51.93	peak	
2		5720.000	54.03	3.75	57.78	110.80	-53.02	peak	
3		5725.000	66.21	3.75	69.96	122.20	-52.24	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.85	3.76	51.61	105.20	-53.59	peak	
2		5720.000	48.12	3.75	51.87	110.80	-58.93	peak	
3		5725.000	52.31	3.75	56.06	122.20	-66.14	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	52.16	4.30	56.46	110.80	-54.34	peak	
2		5875.000	52.31	4.41	56.72	105.20	-48.48	peak	
3	*	5920.000	49.85	4.66	54.51	71.90	-17.39	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H

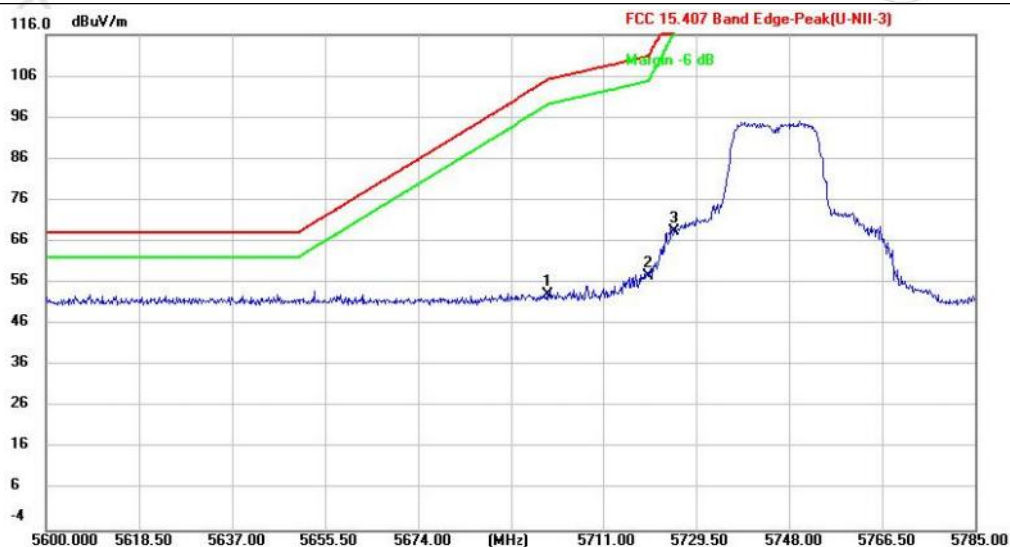


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	48.42	4.30	52.72	110.80	-58.08	peak	
2		5875.000	49.01	4.41	53.42	105.20	-51.78	peak	
3	*	5920.000	49.71	4.66	54.37	71.90	-17.53	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: L

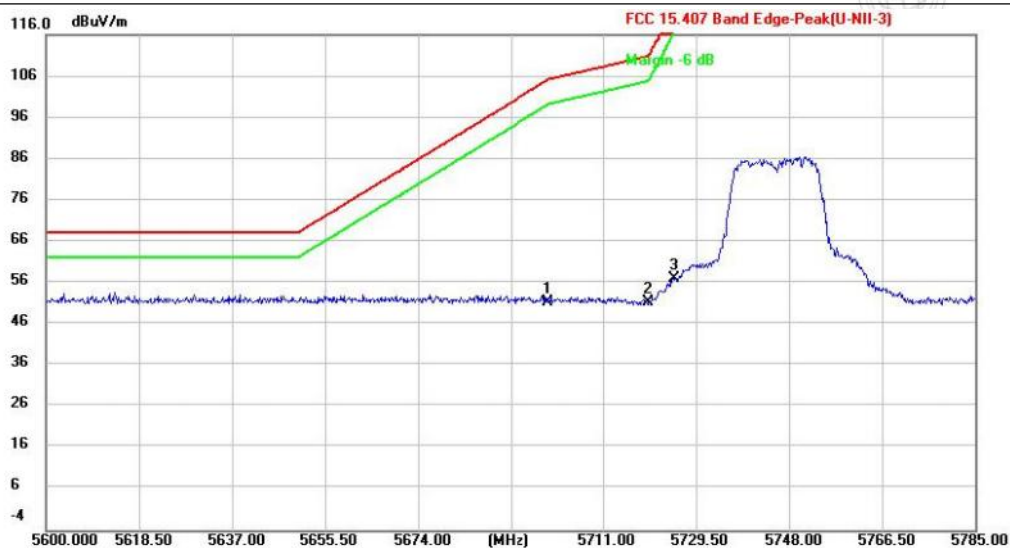


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	49.29	3.76	53.05	105.20	-52.15	peak	
2		5720.000	53.93	3.75	57.68	110.80	-53.12	peak	
3		5725.000	64.60	3.75	68.35	122.20	-53.85	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	47.57	3.76	51.33	105.20	-53.87	peak	
2		5720.000	47.59	3.75	51.34	110.80	-59.46	peak	
3		5725.000	53.22	3.75	56.97	122.20	-65.23	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	52.42	4.30	56.72	110.80	-54.08	peak	
2		5875.000	51.12	4.41	55.53	105.20	-49.67	peak	
3	*	5920.000	50.11	4.66	54.77	71.90	-17.13	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode2 / Polarization: Vertical / CH: H

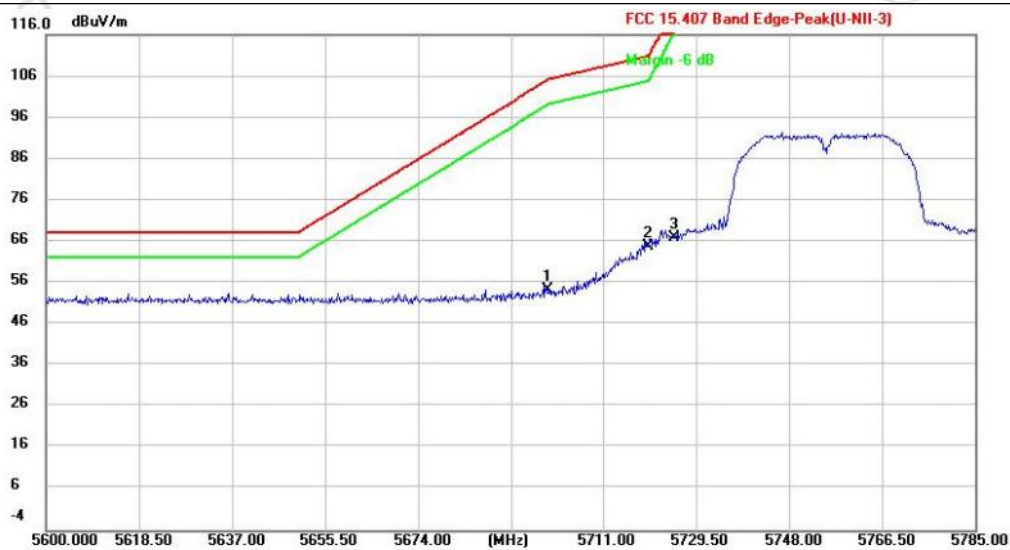


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	47.73	4.30	52.03	110.80	-58.77	peak	
2		5875.000	48.40	4.41	52.81	105.20	-52.39	peak	
3	*	5920.000	47.93	4.66	52.59	71.90	-19.31	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: L

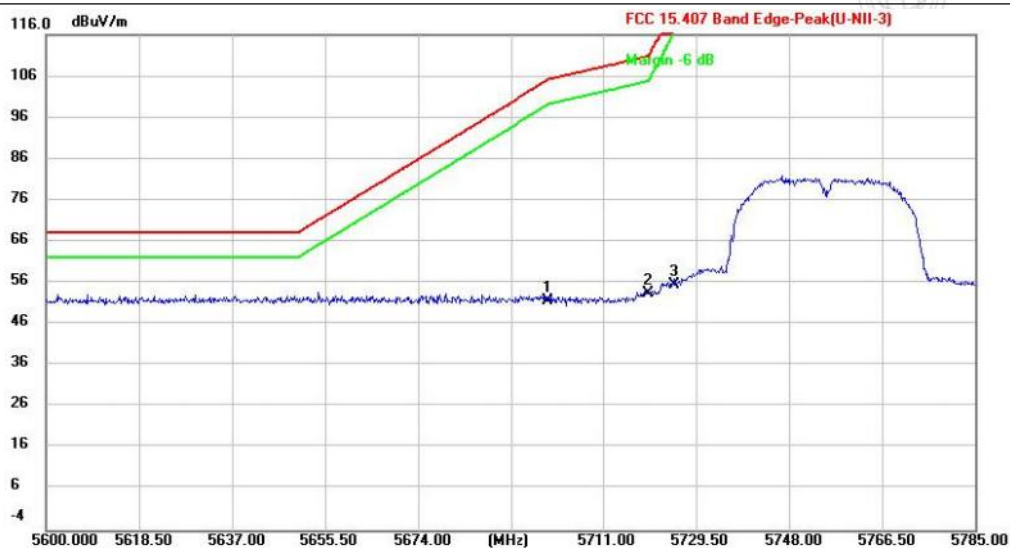


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5700.000	50.45	3.76	54.21	105.20	-50.99	peak	
2	*	5720.000	61.25	3.75	65.00	110.80	-45.80	peak	
3		5725.000	63.27	3.75	67.02	122.20	-55.18	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	48.00	3.76	51.76	105.20	-53.44	peak	
2		5720.000	49.61	3.75	53.36	110.80	-57.44	peak	
3		5725.000	51.94	3.75	55.69	122.20	-66.51	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	48.51	4.30	52.81	110.80	-57.99	peak	
2		5875.000	48.32	4.41	52.73	105.20	-52.47	peak	
3	*	5920.000	48.58	4.66	53.24	71.90	-18.66	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode3 / Polarization: Vertical / CH: H

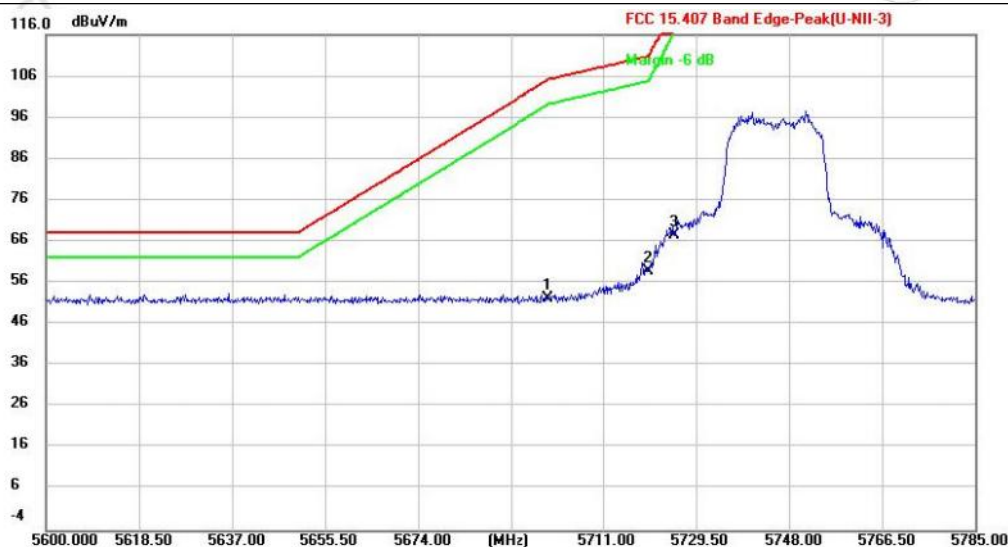


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	49.03	4.30	53.33	110.80	-57.47	peak	
2		5875.000	49.95	4.41	54.36	105.20	-50.84	peak	
3	*	5920.000	48.09	4.66	52.75	71.90	-19.15	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5700.000	48.37	3.76	52.13	105.20	-53.07	peak	
2	*	5720.000	55.21	3.75	58.96	110.80	-51.84	peak	
3		5725.000	63.75	3.75	67.50	122.20	-54.70	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	5700.000	48.29	3.76	52.05	105.20	-53.15	peak	
2		5720.000	47.50	3.75	51.25	110.80	-59.55	peak	
3		5725.000	52.25	3.75	56.00	122.20	-66.20	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Horizontal / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	51.39	4.30	55.69	110.80	-55.11	peak	
2		5875.000	51.06	4.41	55.47	105.20	-49.73	peak	
3	*	5920.000	50.17	4.66	54.83	71.90	-17.07	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode4 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5855.000	48.05	4.30	52.35	110.80	-58.45	peak	
2		5875.000	48.73	4.41	53.14	105.20	-52.06	peak	
3	*	5920.000	49.20	4.66	53.86	71.90	-18.04	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: L



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1 *	5650.000	48.77	3.29	52.06	68.20	-16.14	peak	
2	5700.000	48.50	3.61	52.11	105.20	-53.09	peak	
3	5720.000	53.61	3.59	57.20	110.80	-53.60	peak	
4	5725.000	62.96	3.58	66.54	122.20	-55.66	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Vertical / CH: L

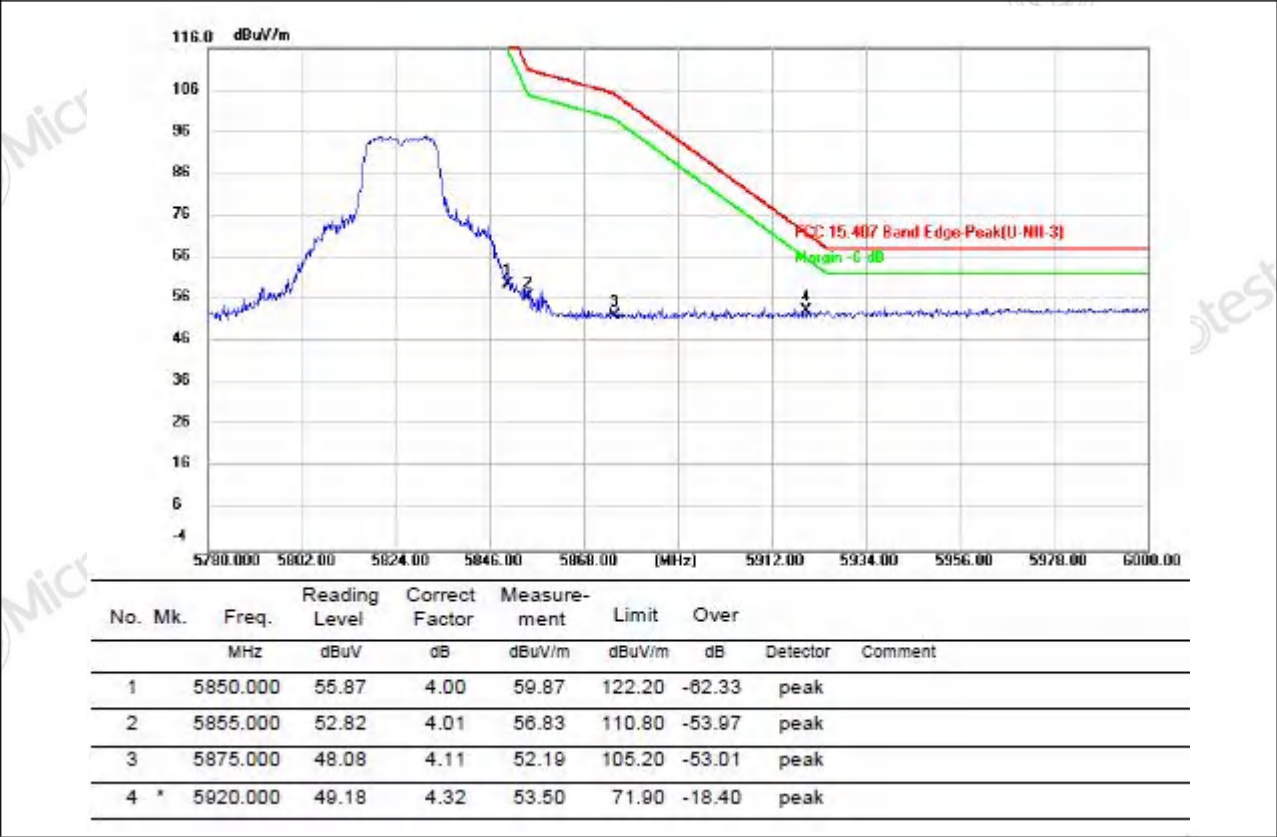


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5650.000	47.81	3.29	51.10	68.20	-17.10	peak	
2		5700.000	47.01	3.61	50.62	105.20	-54.58	peak	
3		5720.000	47.45	3.59	51.04	110.80	-59.76	peak	
4		5725.000	48.47	3.58	52.05	122.20	-70.15	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode5 / Polarization: Horizontal / CH: H



TEST REPORT

Report No.: MTI250528001-0108E4

Mode5 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5850.000	48.26	4.00	52.26	122.20	-69.94	peak	
2		5855.000	48.66	4.01	52.67	110.80	-58.13	peak	
3		5875.000	47.46	4.11	51.57	105.20	-53.63	peak	
4	*	5920.000	48.55	4.32	52.87	71.90	-19.03	peak	

TEST REPORT

Report No.: MTi250528001-0108E4

6.7 Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(9)																									
Test Limit:	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table: <table border="1"> <thead> <tr> <th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr> </thead> <tbody> <tr> <td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr> <tr> <td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr> <tr> <td>1.705-30.0</td><td>30</td><td>30</td></tr> <tr> <td>30-88</td><td>100 **</td><td>3</td></tr> <tr> <td>88-216</td><td>150 **</td><td>3</td></tr> <tr> <td>216-960</td><td>200 **</td><td>3</td></tr> <tr> <td>Above 960</td><td>500</td><td>3</td></tr> </tbody> </table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.		Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009-0.490	2400/F(kHz)	300	0.490-1.705	24000/F(kHz)	30	1.705-30.0	30	30	30-88	100 **	3	88-216	150 **	3	216-960	200 **	3	Above 960	500	3
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																								
0.009-0.490	2400/F(kHz)	300																								
0.490-1.705	24000/F(kHz)	30																								
1.705-30.0	30	30																								
30-88	100 **	3																								
88-216	150 **	3																								
216-960	200 **	3																								
Above 960	500	3																								
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.5																									
Procedure:	Below 1GHz: a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.																									

TEST REPORT

Report No.: MTi250528001-0108E4

	g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete. Remark: 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. Above 1GHz: a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete. Remark: 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
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TEST REPORT

Report No.: MTi250528001-0108E4

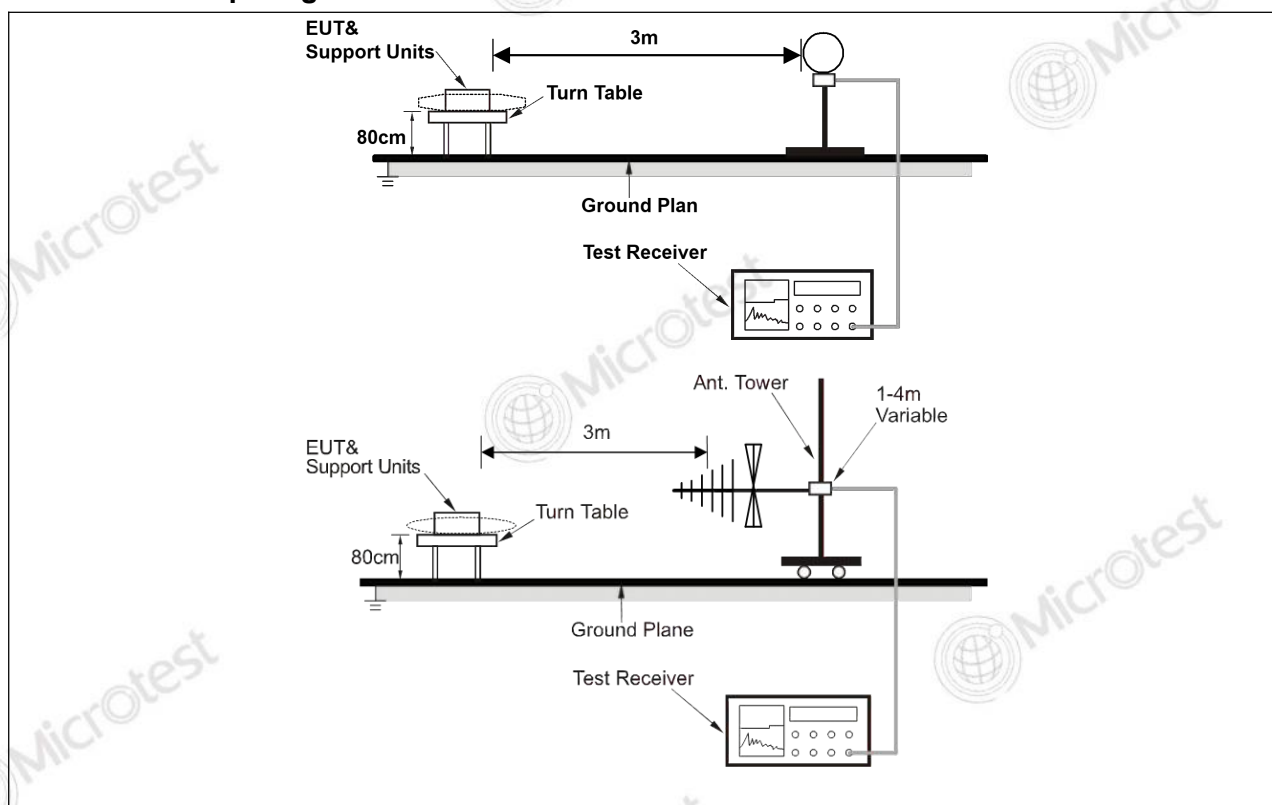
	4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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6.7.1 E.U.T. Operation:

Operating Environment:

Temperature:	19.3 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report				

6.7.2 Test Setup Diagram:



TEST REPORT

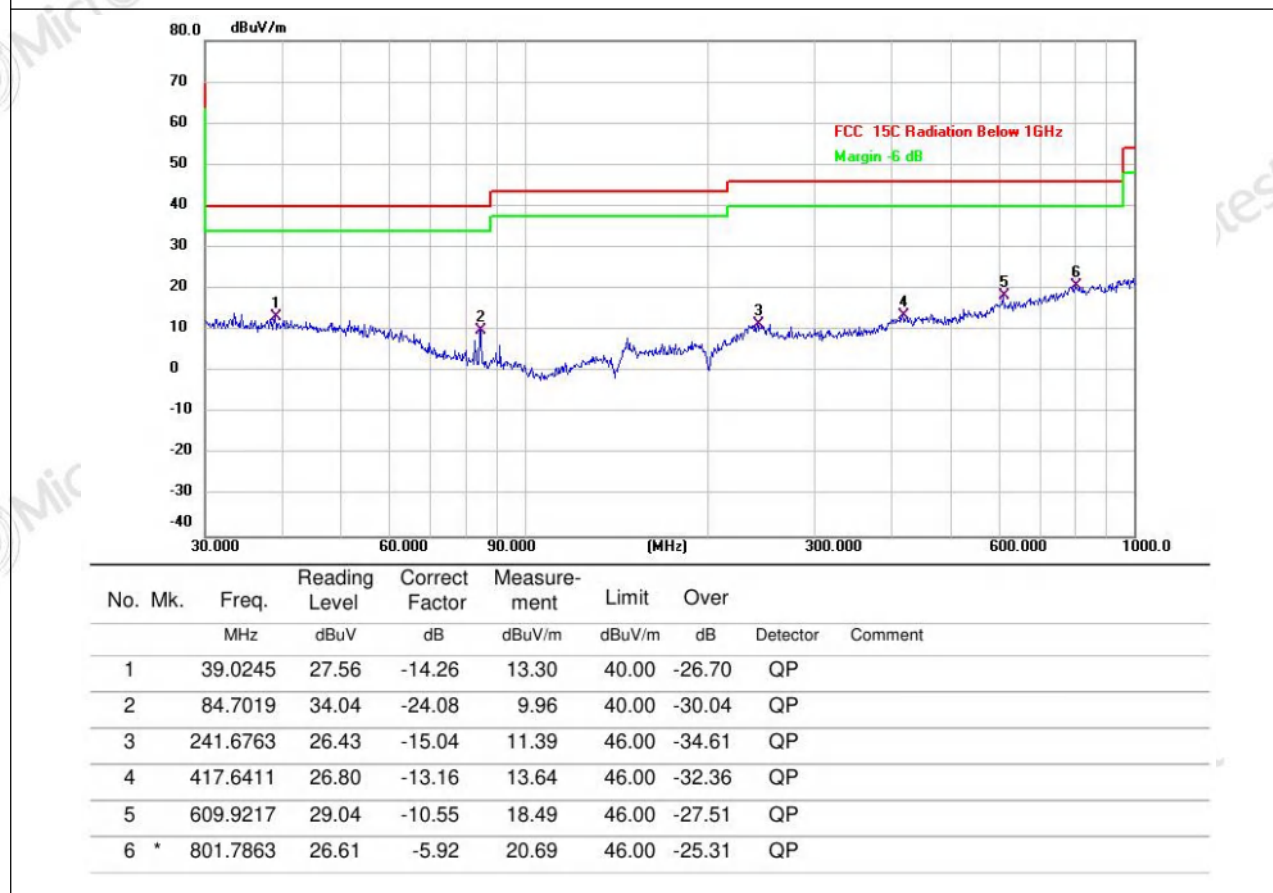
Report No.: MTi250528001-0108E4

6.7.3 Test Data:

ANT 1:

U-NII-1:

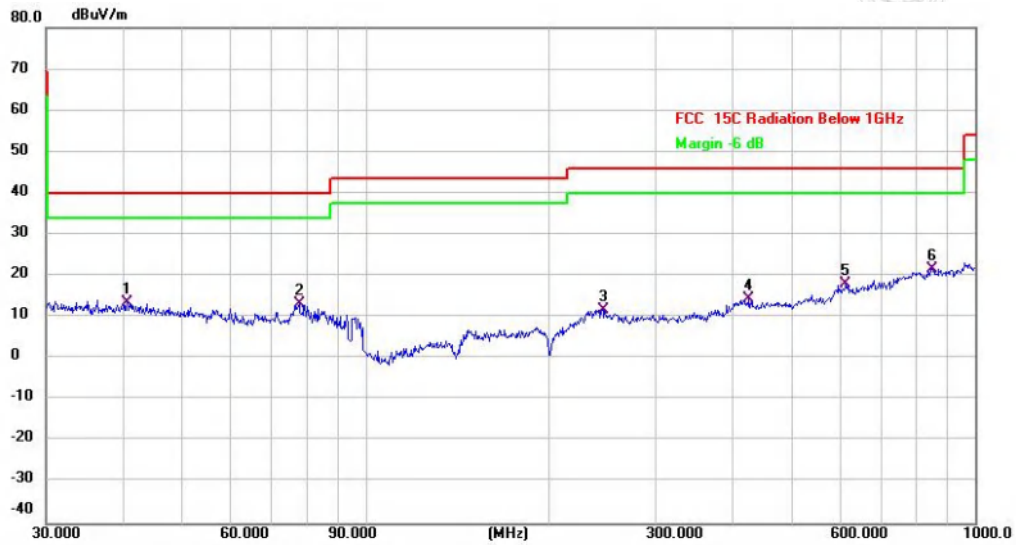
Mode1 / Polarization: Horizontal / CH: H



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Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H



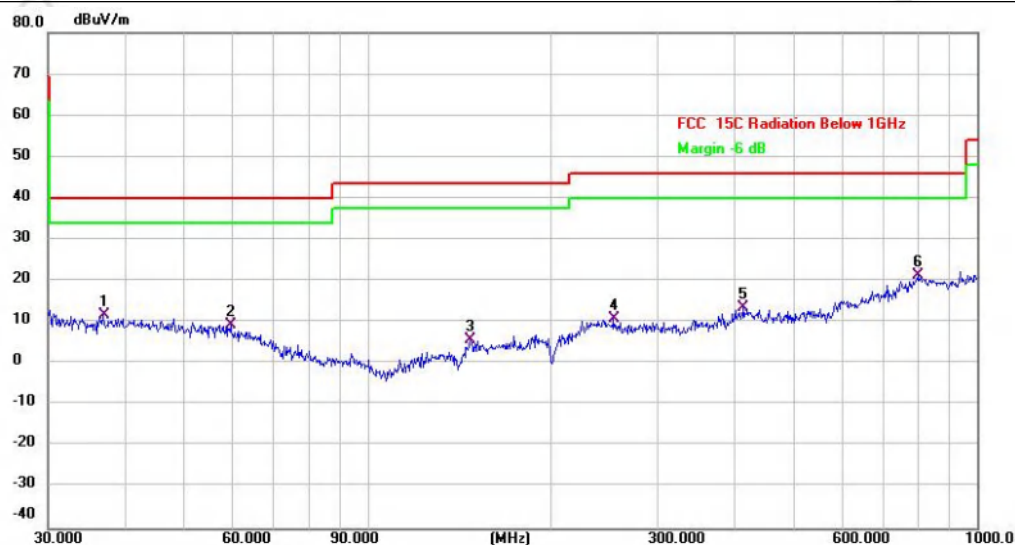
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	40.7016	38.18	-24.52	13.66	40.00	-26.34	QP	
2	77.8654	30.40	-17.15	13.25	40.00	-26.75	QP	
3	245.9509	30.34	-18.52	11.82	46.00	-34.18	QP	
4	426.5210	29.14	-14.61	14.53	46.00	-31.47	QP	
5	614.2142	29.16	-11.22	17.94	46.00	-28.06	QP	
6 *	851.0353	28.74	-7.10	21.64	46.00	-24.36	QP	

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U-NII-3:

Mode1 / Polarization: Horizontal / CH: H

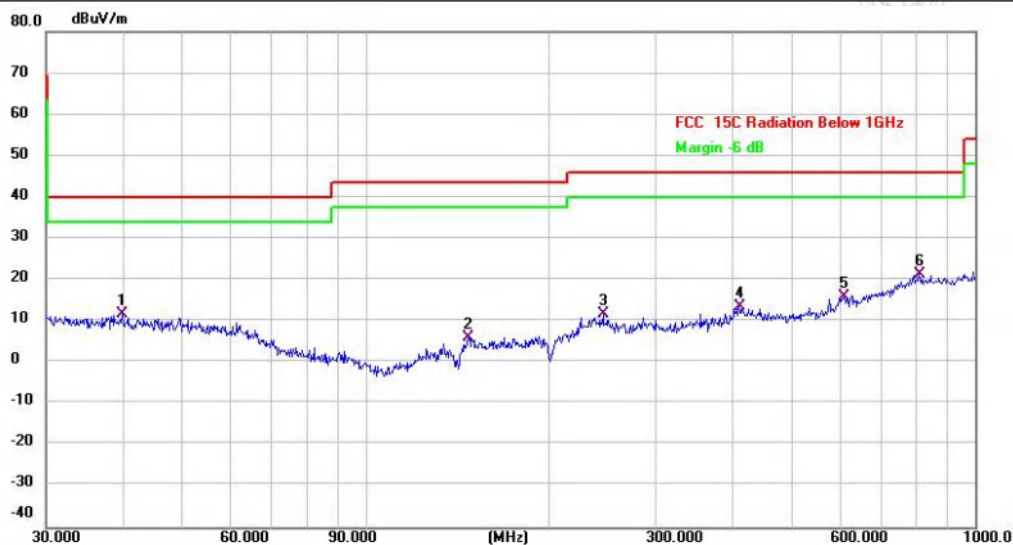


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		36.8953	26.32	-14.68	11.64	40.00	-28.36	QP	
2		59.6493	26.39	-16.90	9.49	40.00	-30.51	QP	
3		147.4036	24.90	-19.16	5.74	43.50	-37.76	QP	
4		253.8367	26.72	-15.78	10.94	46.00	-35.06	QP	
5		414.7223	26.80	-13.16	13.64	46.00	-32.36	QP	
6	*	798.9797	27.34	-6.05	21.29	46.00	-24.71	QP	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H



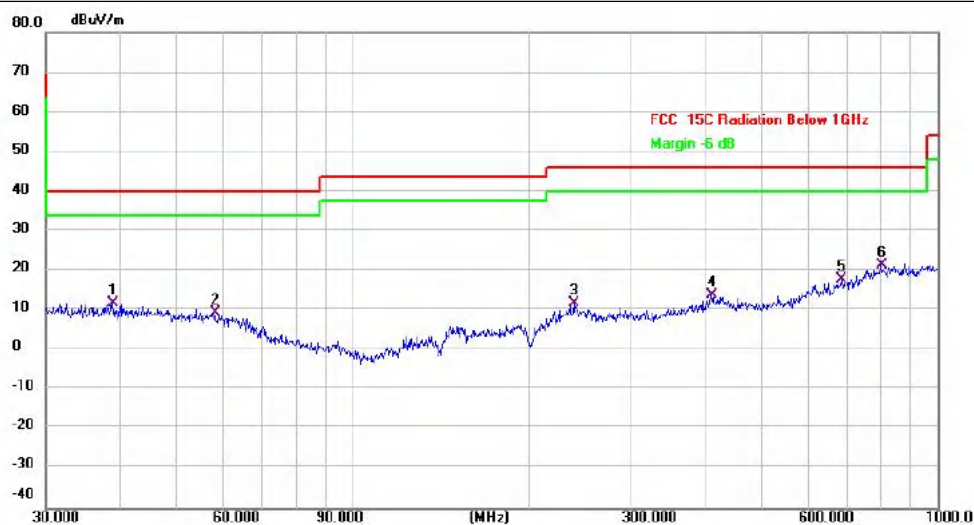
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	39.9942	36.20	-24.51	11.69	40.00	-28.31	QP	
2	147.4036	21.85	-15.77	6.08	43.50	-37.42	QP	
3	245.9509	30.21	-18.52	11.69	46.00	-34.31	QP	
4	410.3825	27.50	-13.94	13.56	46.00	-32.44	QP	
5	609.9217	27.07	-11.05	16.02	46.00	-29.98	QP	
6 *	807.4291	27.18	-5.97	21.21	46.00	-24.79	QP	

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ANT 2:
U-NII-1:

Mode1 / Polarization: Horizontal / CH: H

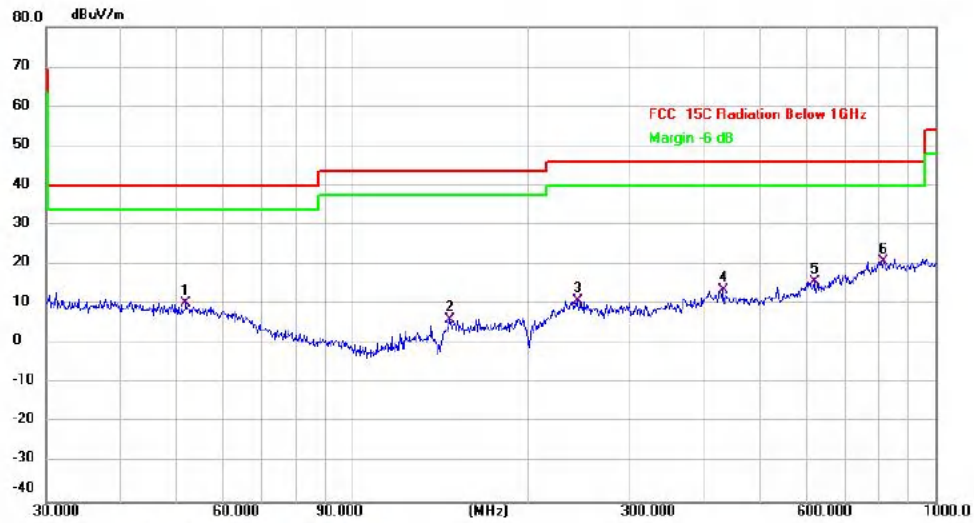


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	38.8878	25.99	-14.23	11.76	40.00	-28.24	QP	
2	58.2030	25.61	-16.35	9.26	40.00	-30.74	QP	
3	239.1473	26.71	-14.85	11.86	46.00	-34.14	QP	
4	410.3825	26.87	-13.16	13.71	46.00	-32.29	QP	
5	684.7454	27.67	-9.92	17.75	46.00	-28.25	QP	
6 *	801.7863	27.32	-5.92	21.40	46.00	-24.60	QP	

TEST REPORT

Report No.: MTi250528001-0108E4

Mode1 / Polarization: Vertical / CH: H



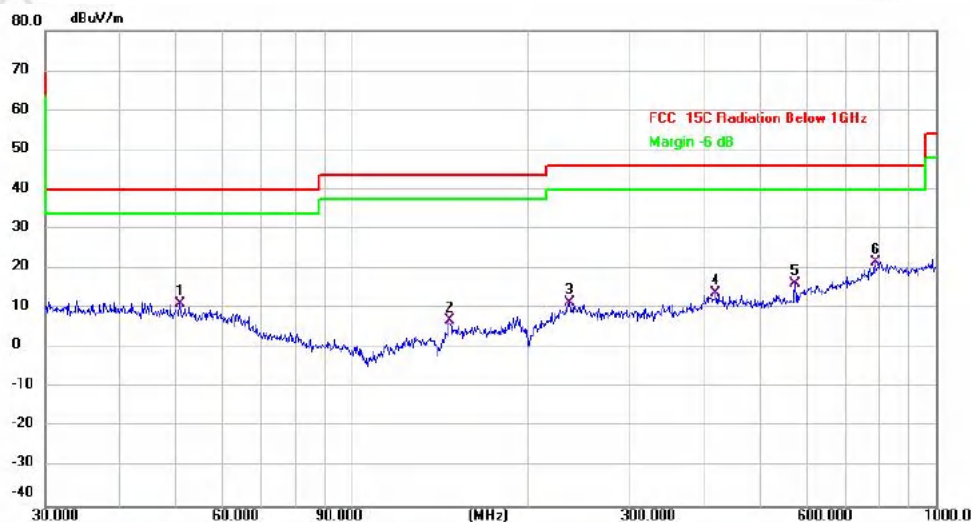
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	52.0251	31.84	-21.68	10.16	40.00	-29.84	QP	
2	147.4036	21.96	-15.77	6.19	43.50	-37.31	QP	
3	244.2321	29.64	-18.72	10.92	46.00	-35.08	QP	
4	432.5457	28.20	-14.75	13.45	46.00	-32.55	QP	
5	620.7096	27.22	-11.61	15.61	46.00	-30.39	QP	
6 *	815.9678	26.68	-5.84	20.84	46.00	-25.16	QP	

TEST REPORT

Report No.: MTi250528001-0108E4

U-NII-3:

Mode1 / Polarization: Horizontal / CH: H

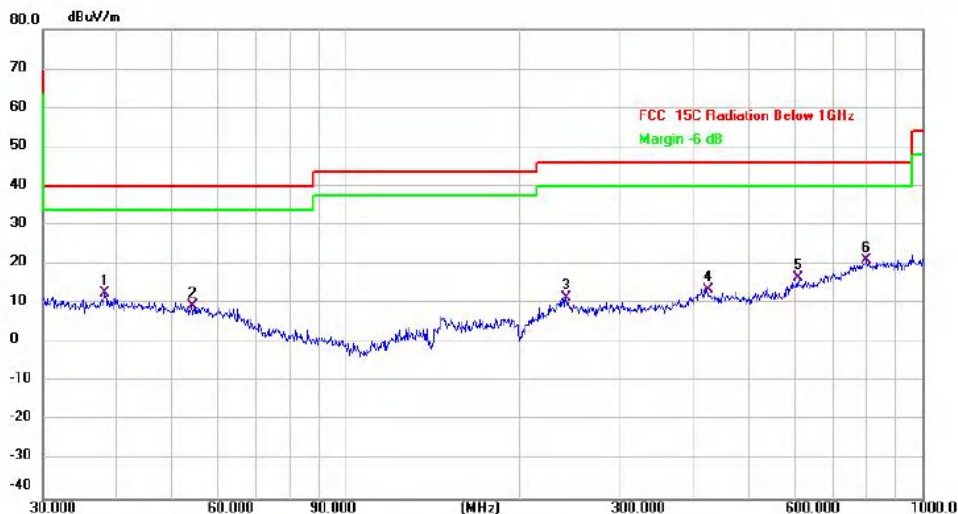


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		50.7637	26.86	-15.62	11.24	40.00	-28.76	QP	
2		146.8877	26.09	-19.12	6.97	43.50	-36.53	QP	
3		236.6447	26.13	-14.67	11.46	46.00	-34.54	QP	
4		420.5803	26.95	-13.17	13.78	46.00	-32.22	QP	
5		574.6258	28.50	-12.34	16.16	46.00	-29.84	QP	
6	*	785.0935	29.17	-7.37	21.80	46.00	-24.20	QP	

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Mode1 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		38.3462	37.72	-25.21	12.51	40.00	-27.49	QP	
2		54.2610	31.55	-22.24	9.31	40.00	-30.69	QP	
3		240.8304	30.55	-19.11	11.44	46.00	-34.56	QP	
4		423.5403	27.91	-14.49	13.42	46.00	-32.58	QP	
5		609.9217	27.50	-11.05	16.45	46.00	-29.55	QP	
6	*	801.7863	27.71	-6.53	21.18	46.00	-24.82	QP	

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Report No.: MTi250528001-0108E4

6.8 Undesirable emission limits (above 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																										
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table border="1"> <thead> <tr> <th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr> </thead> <tbody> <tr> <td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr> <tr> <td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr> <tr> <td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr> <tr> <td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr> <tr> <td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr> <tr> <td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr> <tr> <td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr> <tr> <td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr> <tr> <td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr> <tr> <td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr> <tr> <td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr> <tr> <td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr> <tr> <td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr> <tr> <td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr> <tr> <td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr> <tr> <td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr> <tr> <td>13.36-13.41</td><td></td><td></td><td></td></tr> </tbody> </table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.			MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
MHz	MHz	MHz	GHz																																																																								
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15																																																																								
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46																																																																								
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75																																																																								
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5																																																																								
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2																																																																								
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5																																																																								
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7																																																																								
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4																																																																								
6.31175-6.31225	123-138	2200-2300	14.47-14.5																																																																								
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2																																																																								
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4																																																																								
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12																																																																								
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0																																																																								
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8																																																																								
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5																																																																								
12.57675-12.57725	322-335.4	3600-4400	(²)																																																																								
13.36-13.41																																																																											

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Report No.: MTi250528001-0108E4

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method: ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7

Procedure:

Above 1GHz:

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low.

TEST REPORT

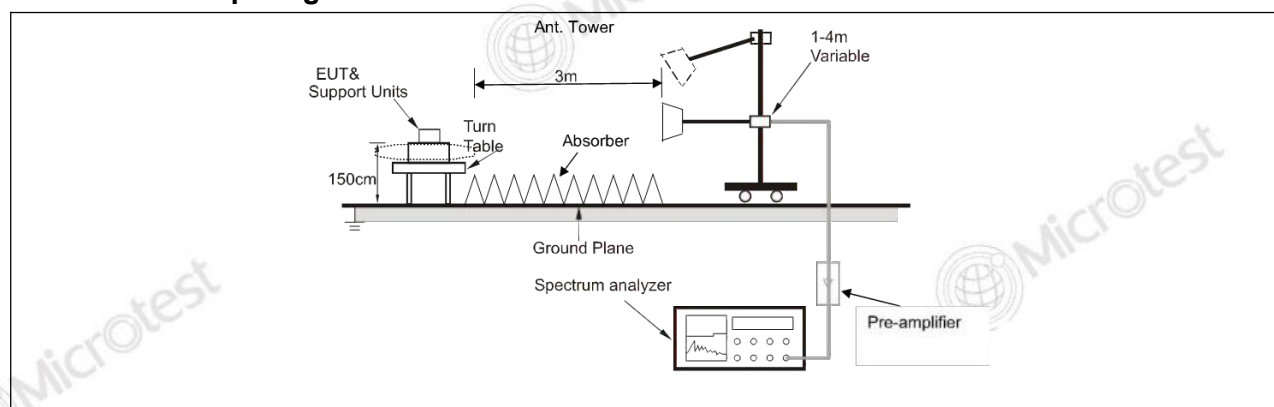
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	The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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6.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	19.3 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5				
Final test mode:	All of the listed pre-test mode were tested, only the data of the worst mode (Mode1) is recorded in the report				

6.8.2 Test Setup Diagram:



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6.8.3 Test Data:

ANT1:

U-NII-1:

Mode1 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	47.44	10.59	58.03	74.00	-15.97	peak
2		10360.000	39.59	10.59	50.18	54.00	-3.82	AVG
3		15540.000	45.89	12.96	58.85	74.00	-15.15	peak
4	*	15540.000	37.76	12.96	50.72	54.00	-3.28	AVG

Mode1 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10360.000	46.36	10.59	56.95	74.00	-17.05	peak
2		10360.000	39.55	10.59	50.14	54.00	-3.86	AVG
3		15540.000	45.30	12.96	58.26	74.00	-15.74	peak
4	*	15540.000	37.41	12.96	50.37	54.00	-3.63	AVG

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Mode1 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	45.43	10.65	56.08	74.00	-17.92	peak
2		10400.000	39.49	10.65	50.14	54.00	-3.86	AVG
3		15600.000	47.89	13.11	61.00	74.00	-13.00	peak
4	*	15600.000	37.86	13.11	50.97	54.00	-3.03	AVG

Mode1 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.000	45.57	10.65	56.22	74.00	-17.78	peak
2		10400.000	39.32	10.65	49.97	54.00	-4.03	AVG
3		15600.000	45.52	13.11	58.63	74.00	-15.37	peak
4	*	15600.000	37.16	13.11	50.27	54.00	-3.73	AVG

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Mode1 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	45.24	10.53	55.77	74.00	-18.23	peak
2	*	10480.000	40.41	10.53	50.94	54.00	-3.06	AVG
3		15720.000	48.65	13.02	61.67	74.00	-12.33	peak
4		15720.000	37.13	13.02	50.15	54.00	-3.85	AVG

Mode1 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		10480.000	44.09	10.53	54.62	74.00	-19.38	peak
2	*	10480.000	39.74	10.53	50.27	54.00	-3.73	AVG
3		15720.000	44.75	13.02	57.77	74.00	-16.23	peak
4		15720.000	36.56	13.02	49.58	54.00	-4.42	AVG

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U-NII-3:

Mode1 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	45.00	11.30	56.30	68.20	-11.90	peak
2	*	11490.000	39.34	11.30	50.64	54.00	-3.36	AVG
3		17235.000	46.79	13.81	60.60	68.20	-7.60	peak
4		17235.000	36.68	13.81	50.49	54.00	-3.51	AVG

Mode1 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11490.000	44.76	11.30	56.06	68.20	-12.14	peak
2		11490.000	38.85	11.30	50.15	54.00	-3.85	AVG
3		17235.000	46.48	13.81	60.29	68.20	-7.91	peak
4	*	17235.000	36.45	13.81	50.26	54.00	-3.74	AVG