



# **FCC Radio Test Report**

# FCC ID: RYK-WNFQ258ACNBT

This report concerns (check one): ☐Original Grant ☐Class I Change ☐Class II Change

**Project No.** : 1708083

**Equipment**: 802.11ac/b/g/n WiFi + Bluetooth M.2 Card

Test Model : WNFQ-258ACN(BT)

Series Model : N/A

**Applicant**: SparkLAN Communications, Inc.

Address : 8F.,No.257,Sec.2,Tiding-Blvd.,Neihu District,Taipei

City 11493, Taiwan (R.O.C.)

Date of Receipt : Aug. 21, 2017

**Date of Test** : Aug. 21, 2017 ~ Oct. 03, 2017

Issued Date : Oct. 11, 2017
Tested by : BTL Inc.

Testing Engineer

Technical Manager

**Authorized Signatory** 

(Kay Wu)

(James Chiu)

Chiu)

# BTL INC.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City, Taiwan (R.O.C.)





Report No.: BTL-FCCP-4-1708083





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For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Report No.: BTL-FCCP-4-1708083 Page 2 of 221





Table of Contents	Page
1. CERTIFICATION	5
2 . SUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
3 . GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	11
3.3 DUTY CYCLE	13
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM T	ESTED 15
3.5 DESCRIPTION OF SUPPORT UNITS	15
4 . EMC EMISSION TEST	16
4.1 CONDUCTED EMISSION MEASUREMENT	16
4.1.1 POWER LINE CONDUCTED EMISSION Limits	16
4.1.2 TEST PROCEDURE 4.1.3 DEVIATION FROM TEST STANDARD	16 16
4.1.4 TEST SETUP	17
4.1.5 EUT OPERATING CONDITIONS	17
4.1.6 EUT TEST CONDITIONS	17
4.1.7 TEST RESULTS	17
4.2 RADIATED EMISSION MEASUREMENT 4.2.1 RADIATED EMISSION LIMITS	18 18
4.2.2 TEST PROCEDURE	19
4.2.3 DEVIATION FROM TEST STANDARD	19
4.2.4 TEST SETUP	19
4.2.5 EUT OPERATING CONDITIONS 4.2.6 EUT TEST CONDITIONS	20
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	20 21
4.2.8 TEST RESULTS (30MHZ TO 1000MHZ)	21
4.2.8 TEST RESULTS (ABOVE 1000MHZ)	21
5 . MEASUREMENT INSTRUMENTS LIST	22
6 . EUT TEST PHOTOS	23
APPENDIX A – CONDUCTED EMISSION	26
APPENDIX A - RADIATED EMISSION (9KHZ TO 30MHZ)	35
APPENDIX B - RADIATED EMISSION (30MHZ TO 1000MHZ)	36
APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)	45

Report No.: BTL-FCCP-4-1708083 Page 3 of 221





# **REPORT ISSUED HISTORY**

Issued No.	Description	Issued Date
BTL-FCCP-4-1708083	Original Issue.	Oct. 11, 2017

Report No.: BTL-FCCP-4-1708083 Page 4 of 221





#### 1. CERTIFICATION

Equipment : 802.11ac/b/g/n WiFi + Bluetooth M.2 Card

Brand Name: Sparklan

Test Model : WNFQ-258ACN(BT)

Series Model: N/A

Applicant : SparkLAN Communications, Inc. Manufacturer : SparkLAN Communications, Inc.

Address : 8F.,No.257,Sec.2,Tiding-Blvd.,Neihu District,Taipei City 11493,Taiwan

(R.O.C.)

Date of Test : Aug. 21, 2017 ~ Oct. 03, 2017

Test Sample: Engineering Sample

Standard(s) : FCC Part15, Subpart E(15.407)

ANSI C63.10-2013

The above equipment has been tested and found in compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-4-1708083) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test result included in this report is only for the 5GHz RLAN part.

Report No.: BTL-FCCP-4-1708083 Page 5 of 221





# 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15, Subpart E (15.407)						
Standard(s) Section Test Item Judgment Remark						
15.207	Conducted Emission	PASS				
15.247(d) 15.209	Radiated emission	PASS				
15.203	Antenna Requirement	PASS				

#### Note:

- (1)" N/A" denotes test is not applicable in this test report
- (2) Accord to the EUT((Report Number: RF150107E06Z, RF150107E06Z-1 and model: WNFQ-258ACN(BT)) has been certificated, Conducted and Radiated emission were criticized and reconfirmed in this report.
- (3) Compared with the previous report (RF150107E06Z, RF150107E06Z-1), Added two new different type (Dipole) antennas.

Report No.: BTL-FCCP-4-1708083 Page 6 of 221





#### 2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

#### **Conducted emission Test:**

**C05:** (VCCI RN: C-4742; FCC RN:965108; FCC DN:TW1082)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

# Radiated emission Test (Below 1 GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

#### Radiated emission Test (Above 1 GHz):

**CB15:** (FCC RN:674415; FCC DN:TW0659)

No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

#### 2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U<sub>cispr</sub> requirement.

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

#### A. Conducted emission test:

Test Site	Method	Measurement Frequency Range	U,(dB)
C05	CISPR	150 kHz ~ 30MHz	2.68

#### B. Radiated emission test:

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15	CISDD	9kHz ~ 150kHz	2.82
(3m)	CISER	150kHz ~ 30MHz	2.58

Test Site	Method	Measurement Frequency Range		U,(dB)
		30MHz ~ 200MHz	V	4.20
CB15	CISPR	30MHz ~ 200MHz	Н	3.64
(3m)	CISER	200MHz ~ 1,000MHz	V	4.56
		200MHz ~ 1,000MHz	Н	3.90

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
		1GHz ~ 6GHz	V	4.46
CB15	CISPR	1GHz ~ 6GHz	Н	4.40
(3m)	CISER	6GHz ~ 18GHz	V	3.88
		6GHz ~ 18GHz	Н	4.00

Test Site	Method	Measurement Frequency Range	U,(dB)
CB15	CISPR	18 ~ 26.5 GHz	4.62
(1m)	CISER	26.5 ~ 40 GHz	5.12

Report No.: BTL-FCCP-4-1708083 Page 7 of 221





# 3. GENERAL INFORMATION

# 3.1 GENERAL DESCRIPTION OF EUT

Equipment	802.11ac/b/g/n WiFi + Blu	802.11ac/b/g/n WiFi + Bluetooth M.2 Card		
Brand Name	Sparklan			
Test Model	WNFQ-258ACN(BT)			
Series Model	N/A			
Model Difference	N/A			
	Operation Frequency	UNII-1: 5150-5250MHz UNII-2A: 5250-5350MHz UNII-2C: 5470-5725MHz UNII-3: 5725-5850MHz		
Product Description	Modulation Type	OFDM		
	Bit Rate of Transmitter  802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.7Mbps			
EUT Power Rating	3.3Vdc form host equipment			
Products Covered	N/A			

Report No.: BTL-FCCP-4-1708083 Page 8 of 221





# Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

# 2. Channel List:

802.11a, 802.11n (20 MHz), 802.11ac (20 MHz)			(40 MHz), (40 MHz)	802.11ac	(80 MHz)
UNI	UNII-1		UNII-1		II-1
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel Frequen (MHz)	
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

	802.11a, 802.11n (20 MHz), 802.11ac (20 MHz)		802.11n (40 MHz), 802.11ac (40 MHz)		(80 MHz)
UNII-2A UNII-2A		UNI	I-2A		
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel Frequer (MHz	
52	5260	54	5270	58 5290	
56	5280	62	5310		
60	5300				
64	5320				

· ·	802.11a, 802.11n (20 MHz), 802.11ac (20 MHz)		802.11n (40 MHz), 802.11ac (40 MHz)		(80 MHz)
UNII	UNII-2C		UNII-2C		I-2C
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630		
116	5580	134	5670		
120	5600	142	5710		
132	5660				
136	5680				
140	5700				
144	5720				

802.11a, 802.11n (20 MHz), 802.11ac (20 MHz)		802.11n (40 MHz), 802.11ac (40 MHz)		802.11ac (80 MHz)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

Report No.: BTL-FCCP-4-1708083 Page 9 of 221





# 3. Table for Filed Antenna:

Ant. E	Brand Model	Model	Type Connector				Gain (dBi)		
AIII.	Dianu	Model	Type	Connector	2.4 GHz	Band 1	Band 2	Band 3	Band 4
1	Wanshin	R3410110203 WSS003	Dipole	RP-SMA	2.02	1.93	1.93	2.03	2.03
2	Long Cheng	FDE_ACBSMA-BGP	Dipole	RP-SMA	3.27	5.436	5.436	5.436	5.96

4.

TX Mode Operating Mode	2 TX
IEEE 802.11a	V (ANT 1+ANT 2)
IEEE 802.11n (20 MHz)	V (ANT 1+ANT 2)
IEEE 802.11n (40 MHz)	V (ANT 1+ANT 2)
IEEE 802.11ac (20 MHz)	V (ANT 1+ANT 2)
IEEE 802.11ac (40 MHz)	V (ANT 1+ANT 2)
IEEE 802.11ac (80 MHz)	V (ANT 1+ANT 2)

Report No.: BTL-FCCP-4-1708083 Page 10 of 221





#### 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)
Mode 4	TX AC80 Mode / CH42 (UNII-1)
Mode 5	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)
Mode 7	TX N40 Mode / CH54, CH62 (UNII-2A)
Mode 8	TX AC80 Mode / CH58 (UNII-2A)
Mode 9	TX A Mode / CH100, CH116, CH120, CH140, CH144 (UNII-2C)
Mode 10	TX N20 Mode / CH100, CH116, CH120, CH140, CH144 (UNII-2C)
Mode 11	TX N40 Mode / CH102, CH118, CH134, CH142 (UNII-2C)
Mode 12	TX AC80 Mode / CH106, CH122, CH138 (UNII-2C)
Mode 13	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 14	TX N20 Mode / CH149,CH157,CH165 (UNII-3)
Mode 15	TX N40 Mode / CH151,CH159 (UNII-3)
Mode 16	TX AC80 Mode / CH155 (UNII-3)
Mode 17	TX Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

Report No.: BTL-FCCP-4-1708083 Page 11 of 221





For Conducted Test			
Final Test Mode	Description		
Mode 17	TX Mode		

	For Radiated Emission			
Final Test Mode	Description			
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)			
Mode 2	TX N20 Mode / CH36, CH40, CH48 (UNII-1)			
Mode 3	TX N40 Mode / CH38, CH46 (UNII-1)			
Mode 4	TX AC80 Mode / CH42 (UNII-1)			
Mode 5	TX A Mode / CH52, CH60, CH64 (UNII-2A)			
Mode 6	TX N20 Mode / CH52, CH60, CH64 (UNII-2A)			
Mode 7	TX N40 Mode / CH54, CH62 (UNII-2A)			
Mode 8	TX AC80 Mode / CH58 (UNII-2A)			
Mode 9	TX A Mode / CH100, CH116, CH120, CH140, CH144 (UNII-2C)			
Mode 10	TX N20 Mode / CH100, CH116, CH120, CH140, CH144 (UNII-2C)			
Mode 11	TX N40 Mode / CH102, CH118, CH134, CH142 (UNII-2C)			
Mode 12	TX AC80 Mode / CH106, CH122, CH138 (UNII-2C)			
Mode 13	TX A Mode / CH149,CH157,CH165 (UNII-3)			
Mode 14	TX N20 Mode / CH149,CH157,CH165 (UNII-3)			
Mode 15	TX N40 Mode / CH151,CH159 (UNII-3)			
Mode 16	TX AC80 Mode / CH155 (UNII-3)			

# Note:

(1) For radiated emission below 1GHz test, only the worst case is recorded.

Report No.: BTL-FCCP-4-1708083 Page 12 of 221



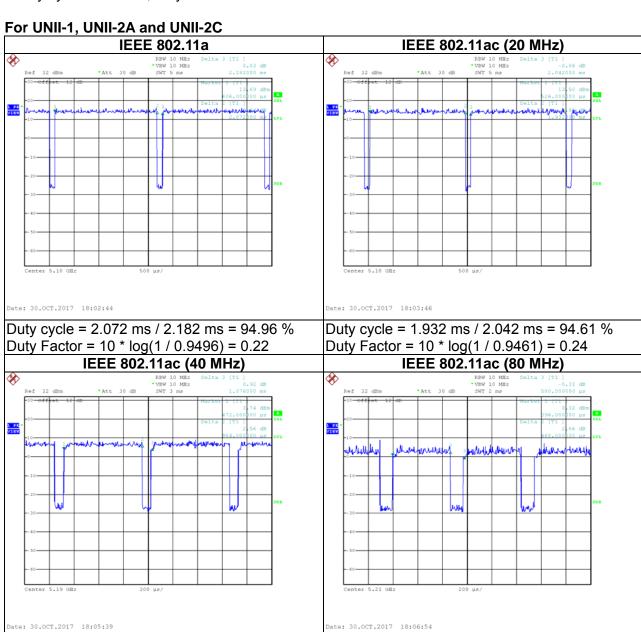


#### 3.3 DUTY CYCLE

If duty cycle is  $\geq$  98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered.

Duty cycle = 0.954 ms / 2.042 ms = 88.66 %

Duty Factor =  $10 * \log(1 / 0.8866) = 0.52$ 



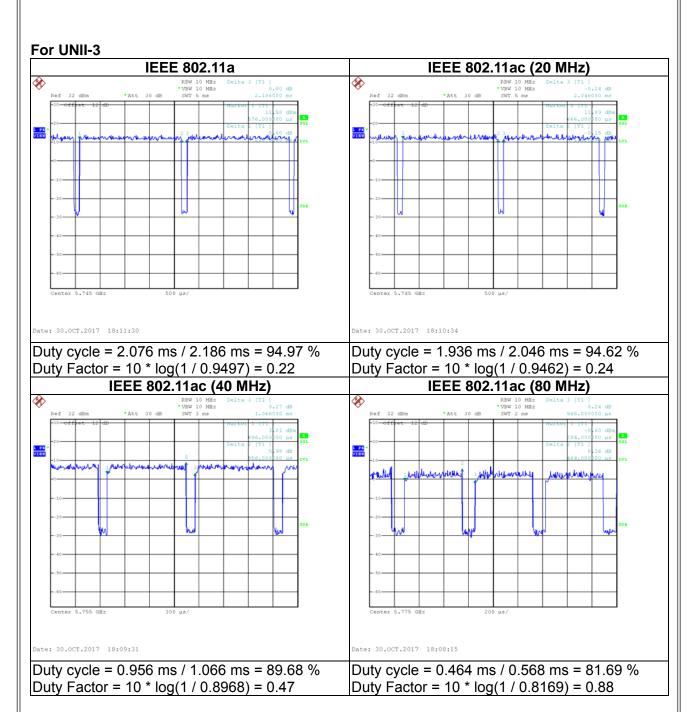
Report No.: BTL-FCCP-4-1708083 Page 13 of 221

Duty cycle = 0.468 ms / 0.580 ms = 80.69 %

Duty Factor =  $10 * \log(1 / 0.8069) = 0.93$ 







#### Note:

For IEEE 802.11a and IEEE 802.11ac (20 MHz):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).

#### For IEEE 802.11ac (40 MHz):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

#### For IEEE 802.11ac (80 MHz):

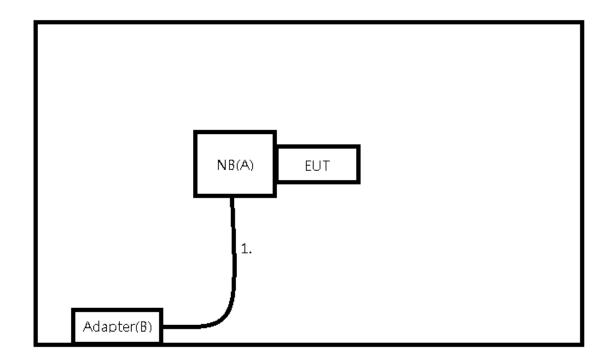
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

Report No.: BTL-FCCP-4-1708083





# 3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



# 3.5 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
Α	NB	Lenovo	P50	N/A	N/A
В	Adapter	Lenovo	ADL170NDC2A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	YES	1.5m	Power Cable

Report No.: BTL-FCCP-4-1708083 Page 15 of 221





#### 4. EMC EMISSION TEST

#### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

Fraguency of Emission (MUZ)	Conducted Limit (dBµV)		
Frequency of Emission (MHz)	Quasi-peak	Average	
0.15 -0.50	66 to 56*	56 to 46*	
0.50 -5.0	56	46	
5.0 -30.0	60	50	

#### Note:

- (1) The limit of " \* " decreases with the logarithm of the frequency
- (2) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

#### **4.1.2 TEST PROCEDURE**

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.1.3 DEVIATION FROM TEST STANDARD

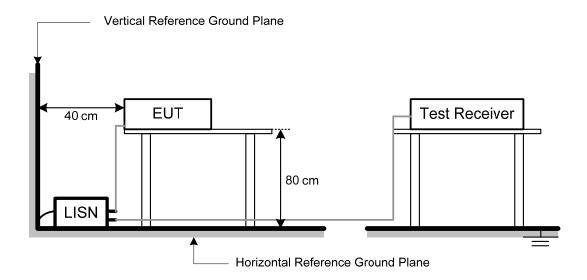
No deviation

Report No.: BTL-FCCP-4-1708083 Page 16 of 221





#### 4.1.4 TEST SETUP



#### 4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

#### **4.1.6 EUT TEST CONDITIONS**

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

#### 4.1.7 TEST RESULTS

Please refer to the Appendix A.

#### Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " \* " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.
- (3) "N/A" denotes test is not applicable to this device.

Report No.: BTL-FCCP-4-1708083 Page 17 of 221





#### 4.2 RADIATED EMISSION MEASUREMENT

#### 4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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

#### Note:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart E.
- (2) The tighter limit applies at the band edges.

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies	EIRP Limit (dBm)	Equivalent Field Strength
(MHz)	Zira Zirii (dZiri)	at 3m (dBµV/m)
5150-5250	-27	68.3
5250-5350	-27	68.3
5470-5725	-27	68.3
	-27(Note 2)	68.3
5725-5850	10(Note 2)	105.3
	15.6(Note 2)	110.9
	27(Note 2)	122.3

#### Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:  $E = \frac{1000000\sqrt{30F}}{1}$ 

 $\mu V/m$ , where P is the eirp (Watts)

2. According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below theband edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above orbelow the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

Report No.: BTL-FCCP-4-1708083 Page 18 of 221





#### 4.2.2 TEST PROCEDURE

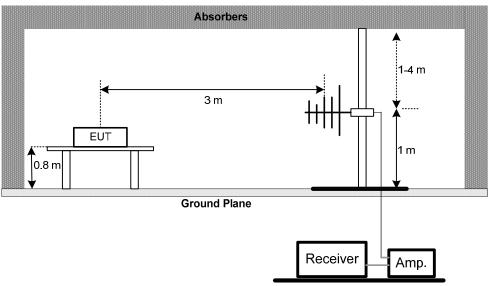
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5m, the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 4.2.3 DEVIATION FROM TEST STANDARD

No deviation

#### 4.2.4 TEST SETUP

(A)Radiated Emission Test Set-Up Frequency Below 1GHz

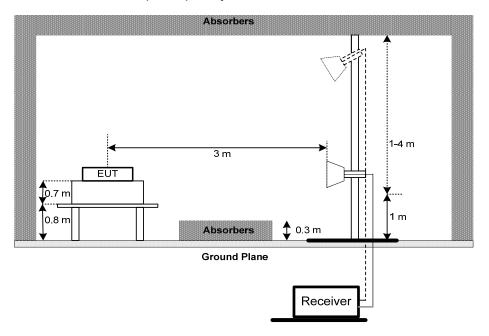


Report No.: BTL-FCCP-4-1708083 Page 19 of 221

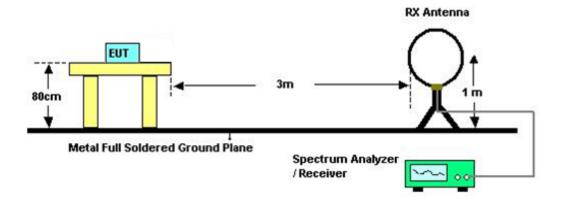




# (B) Radiated Emission Test Set-Up Frequency Above 1 GHz



# (C) Radiated emissions below 30MHz



# **4.2.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

# **4.2.6 EUT TEST CONDITIONS**

Temperature: 23°C/25°C Relative Humidity: 70%/45% Test Voltage: AC 120V/60Hz

Report No.: BTL-FCCP-4-1708083 Page 20 of 221





# 4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Appendix B.

#### Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

# **4.2.8 TEST RESULTS (30MHZ TO 1000MHZ)**

Please refer to the Appendix C.

#### 4.2.8 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the Appendix D.

#### Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.

Report No.: BTL-FCCP-4-1708083 Page 21 of 221





# **5. MEASUREMENT INSTRUMENTS LIST**

	Conducted Emission Measurement										
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until						
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 25, 2018						
2	Test Cable	TIMES	CFD300-NL	C02	Jun. 14, 2018						
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 09, 2017						
4	Measurement Software	EZ	EZ_EMC (Version NB-03A)	N/A	N/A						

	Radiated Emission Measurement										
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until						
1	Preamplifier	EMCI	012645B	980267	Feb. 28, 2018						
2	Preamplifier	EMCI	EMC02325	980217	Dec. 29, 2017						
3	Preamplifier	EMCI	EMC2654045	980030	Feb. 14, 2018						
4	Test Cable	EMCI	EMC104-SM-S M-8000	8m	Jan. 04, 2018						
5	Test Cable	EMCI	EMC104-SM-S M-800	150207	Jan. 04, 2018						
6	Test Cable	EMCI	EEMC104-SM-S M-3000	151205	Jan. 04, 2018						
7	MXE EMI Receiver	Agilent	N9038A	MY55420127	Jan. 09, 2018						
8	Signal Analyzer	Agilent	N9010A	MY52220990	Feb. 22, 2018						
9	Loop Ant	EMCO	6502 42960		Nov. 24, 2017						
10	Horm Ant SCHWARZBECK		BBHA 9120D	9120D-1342	Feb. 28, 2018						
11	Horm Ant	Schwarzbeck	BBHA 9170	187	Dec. 07, 2017						
12	Trilog-Broadband Schwarzbeck		VULB 9168	9168-548	Jan. 16, 2018						
13	5dB Attenuator	EMCI	EMCI-N-6-05	AT-N0623	Jan. 16, 2018						

Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of equipment list is one year.

Report No.: BTL-FCCP-4-1708083 Page 22 of 221





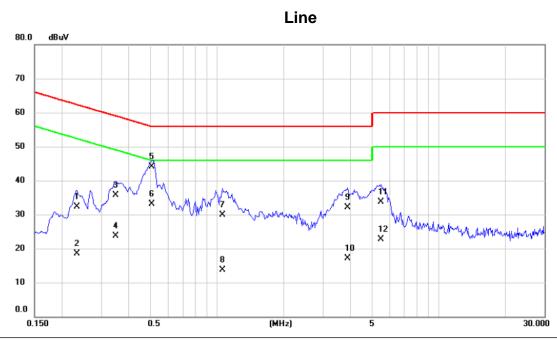
APPENDIX A -	CONDUCTED	<b>EMISSION</b>
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Report No.: BTL-FCCP-4-1708083 Page 26 of 221





Test Mode: UNII-1/TX Mode

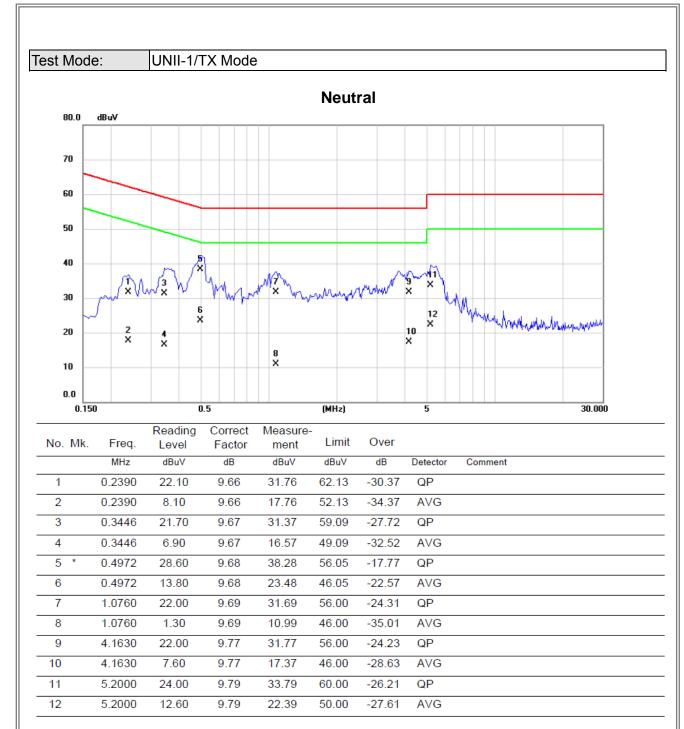


No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.2326	22.60	9.72	32.32	62.36	-30.04	QP	
2	0.2326	8.80	9.72	18.52	52.36	-33.84	AVG	
3	0.3481	26.00	9.73	35.73	59.01	-23.28	QP	
4	0.3481	14.00	9.73	23.73	49.01	-25.28	AVG	
5 *	0.5090	34.40	9.74	44.14	56.00	-11.86	QP	
6	0.5090	23.30	9.74	33.04	46.00	-12.96	AVG	
7	1.0580	20.10	9.74	29.84	56.00	-26.16	QP	
8	1.0580	4.00	9.74	13.74	46.00	-32.26	AVG	
9	3.8930	22.30	9.80	32.10	56.00	-23.90	QP	
10	3.8930	7.30	9.80	17.10	46.00	-28.90	AVG	
11	5.5000	23.80	9.84	33.64	60.00	-26.36	QP	
12	5.5000	12.80	9.84	22.64	50.00	-27.36	AVG	

Report No.: BTL-FCCP-4-1708083 Page 27 of 221



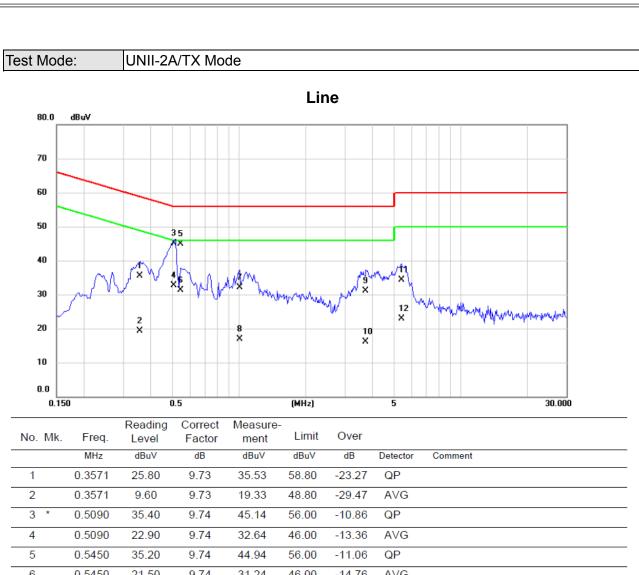




Report No.: BTL-FCCP-4-1708083 Page 28 of 221





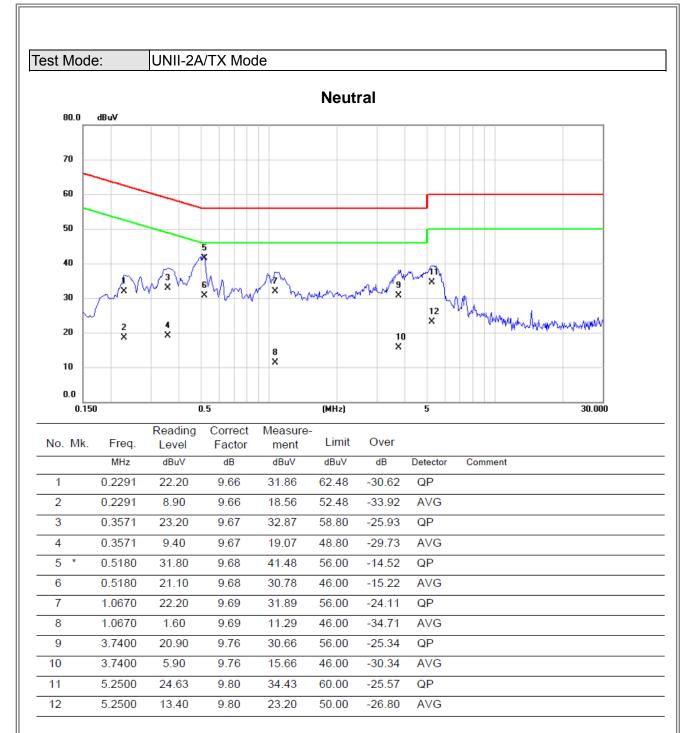


	MHZ	abuv	aв	abuv	abuv	aв	Detector	Comment
1	0.3571	25.80	9.73	35.53	58.80	-23.27	QP	
2	0.3571	9.60	9.73	19.33	48.80	-29.47	AVG	
3 *	0.5090	35.40	9.74	45.14	56.00	-10.86	QP	
4	0.5090	22.90	9.74	32.64	46.00	-13.36	AVG	
5	0.5450	35.20	9.74	44.94	56.00	-11.06	QP	
6	0.5450	21.50	9.74	31.24	46.00	-14.76	AVG	
7	1.0040	22.40	9.74	32.14	56.00	-23.86	QP	
8	1.0040	7.20	9.74	16.94	46.00	-29.06	AVG	
9	3.7310	21.40	9.80	31.20	56.00	-24.80	QP	
10	3.7310	6.40	9.80	16.20	46.00	-29.80	AVG	
11	5.4000	24.40	9.84	34.24	60.00	-25.76	QP	
12	5.4000	13.00	9.84	22.84	50.00	-27.16	AVG	

Report No.: BTL-FCCP-4-1708083 Page 29 of 221





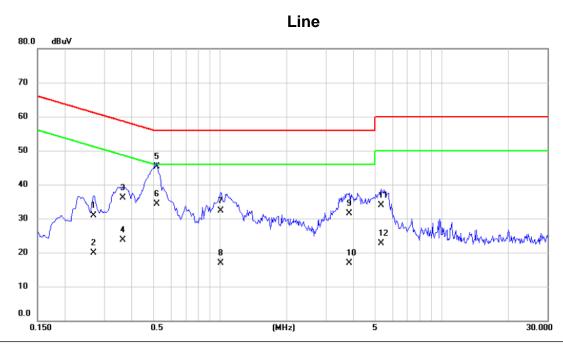


Report No.: BTL-FCCP-4-1708083 Page 30 of 221





Test Mode: UNII-2C/TX Mode

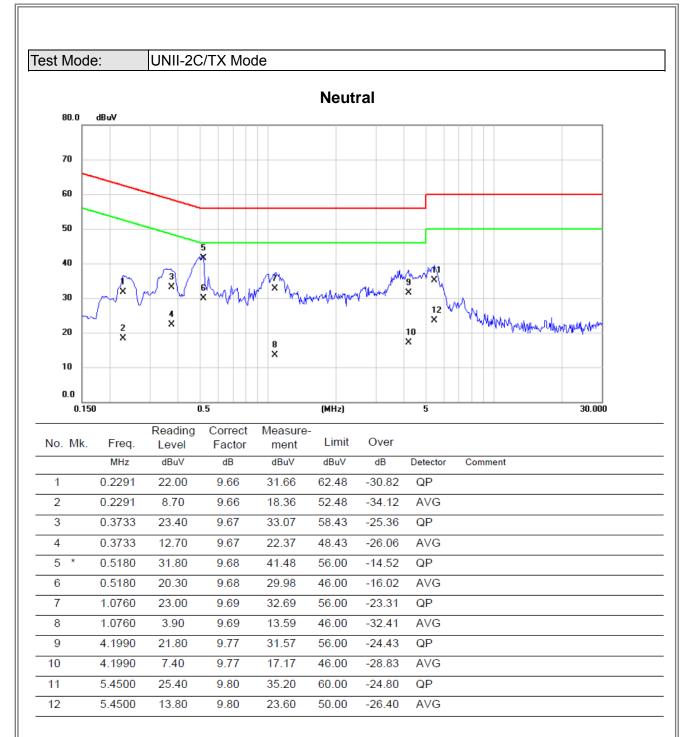


No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2690	21.20	9.73	30.93	61.15	-30.22	QP	
2		0.2690	10.20	9.73	19.93	51.15	-31.22	AVG	
3		0.3642	26.30	9.73	36.03	58.63	-22.60	QP	
4		0.3642	14.00	9.73	23.73	48.63	-24.90	AVG	
5	*	0.5180	35.63	9.74	45.37	56.00	-10.63	QP	
6		0.5180	24.50	9.74	34.24	46.00	-11.76	AVG	
7		1.0040	22.60	9.74	32.34	56.00	-23.66	QP	
8		1.0040	7.20	9.74	16.94	46.00	-29.06	AVG	
9		3.8300	21.80	9.80	31.60	56.00	-24.40	QP	
10		3.8300	7.10	9.80	16.90	46.00	-29.10	AVG	
11		5.3500	24.00	9.84	33.84	60.00	-26.16	QP	
12		5.3500	12.90	9.84	22.74	50.00	-27.26	AVG	

Report No.: BTL-FCCP-4-1708083 Page 31 of 221







Report No.: BTL-FCCP-4-1708083 Page 32 of 221





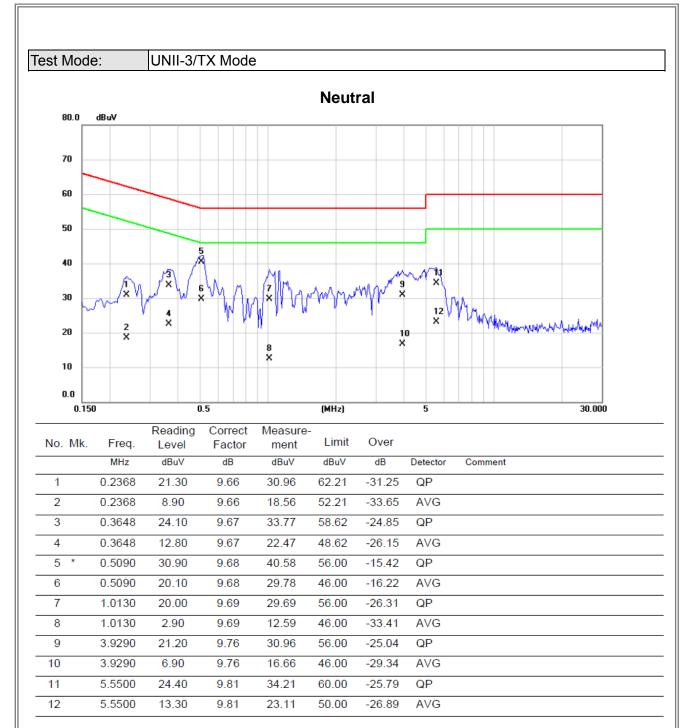
Test Mode: UNII-3/TX Mode Line 80.0 dBuV 70 60 50 30 12 X 10 X 20 10 0.0 0.5 (MHz) 30.000 0.150

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.2704	22.40	9.73	32.13	61.11	-28.98	QP	
2	0.2704	13.40	9.73	23.13	51.11	-27.98	AVG	
3	0.3467	25.70	9.73	35.43	59.04	-23.61	QP	
4	0.3467	13.40	9.73	23.13	49.04	-25.91	AVG	
5 *	0.5180	34.20	9.74	43.94	56.00	-12.06	QP	
6	0.5180	23.70	9.74	33.44	46.00	-12.56	AVG	
7	0.9950	23.40	9.74	33.14	56.00	-22.86	QP	
8	0.9950	7.70	9.74	17.44	46.00	-28.56	AVG	
9	3.9020	24.50	9.80	34.30	56.00	-21.70	QP	
10	3.9020	8.30	9.80	18.10	46.00	-27.90	AVG	
11	5.4000	24.70	9.84	34.54	60.00	-25.46	QP	
12	5.4000	9.30	9.84	19.14	50.00	-30.86	AVG	

Report No.: BTL-FCCP-4-1708083 Page 33 of 221







Report No.: BTL-FCCP-4-1708083 Page 34 of 221





# APPENDIX A - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: N/A

Note: "N/A" denotes test is not applicable to this device.

Report No.: BTL-FCCP-4-1708083 Page 35 of 221





# APPENDIX B - RADIATED EMISSION (30MHZ TO 1000MHZ)

Report No.: BTL-FCCP-4-1708083 Page 36 of 221



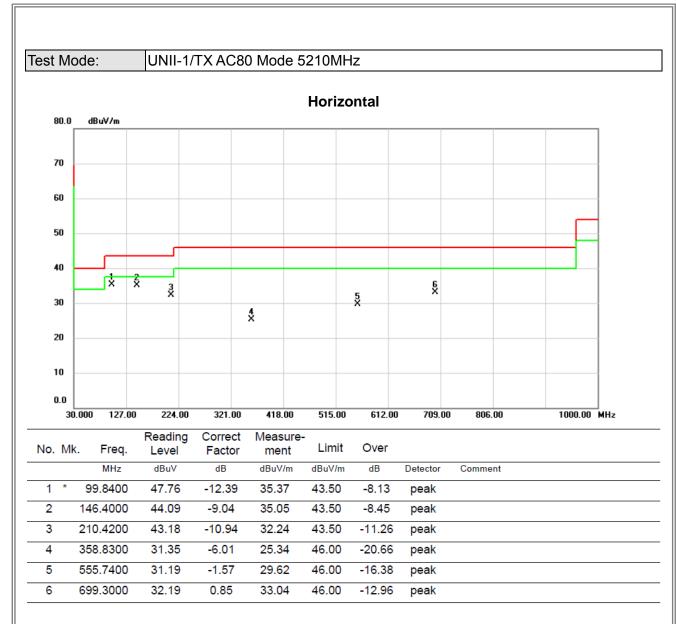


Test Mode: UNII-1/TX AC80 Mode 5210MHz Vertical 80.0 dBuV/m 70 60 50 40 Š 5 X 30 \* 20 10 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz Reading Correct Measure-Limit No. Mk. Over Freq. Level Factor ment MHz dBuV dB dBuV/m dBuV/m dB Detector Comment 99.8400 39.95 -12.39 27.56 43.50 1 -15.94 peak \* 199.7500 43.50 2 44.42 -10.64 33.78 -9.72 peak 215.2700 39.64 -10.87 43.50 3 28.77 -14.73 peak 456.8000 30.10 -3.45 26.65 46.00 -19.35 4 peak 5 577.0800 32.82 -1.02 46.00 -14.20 31.80 peak 700.2700 31.35 0.86 32.21 46.00 -13.79 6 peak

Report No.: BTL-FCCP-4-1708083 Page 37 of 221







Report No.: BTL-FCCP-4-1708083 Page 38 of 221





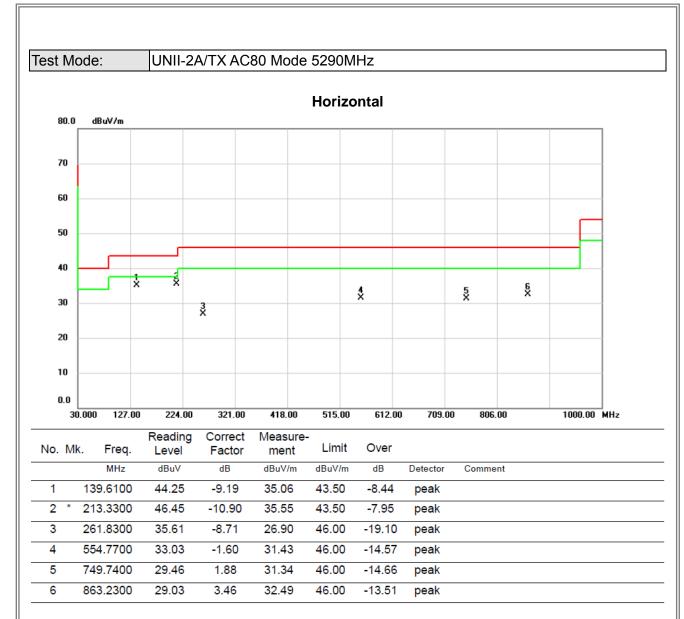
Test Mode: UNII-2A/TX AC80 Mode 5290MHz Vertical 80.0 dBuV/m 70 60 50 40 **4** 2 X Š 5 X 30 20 10 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz

	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		99.8400	39.59	-12.39	27.20	43.50	-16.30	peak	
_	2	*	143.4900	42.15	-9.09	33.06	43.50	-10.44	peak	
_	3	2	216.2400	41.84	-10.87	30.97	46.00	-15.03	peak	
_	4	ţ	562.5300	36.54	-1.39	35.15	46.00	-10.85	peak	
_	5	(	697.3600	30.05	0.81	30.86	46.00	-15.14	peak	
_	6	8	888.4500	29.35	3.91	33.26	46.00	-12.74	peak	
_										

Report No.: BTL-FCCP-4-1708083 Page 39 of 221







Report No.: BTL-FCCP-4-1708083 Page 40 of 221





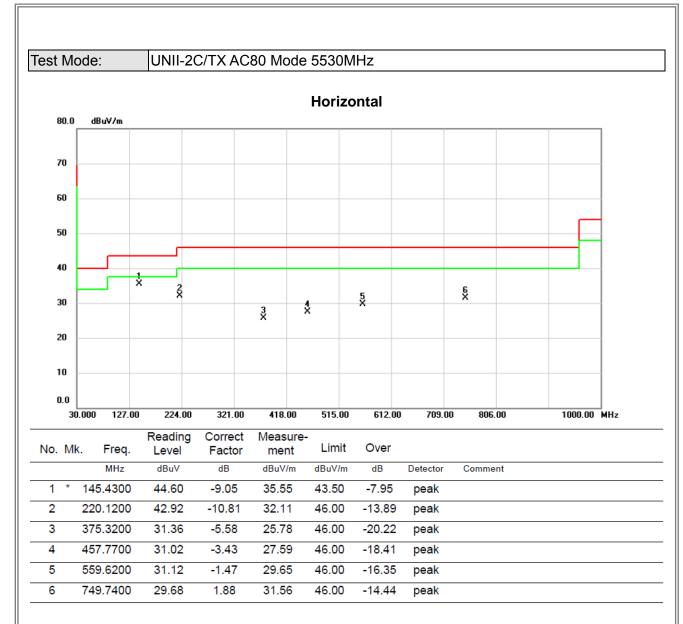
Test Mode: UNII-2C/TX AC80 Mode 5530MHz Vertical 80.0 dBuV/m 70 60 50 40 6 X ž 5 X 30 X 3 \* 20 10 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz

	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	1	*	138.6400	43.69	-9.21	34.48	43.50	-9.02	peak	
-	2		217.2100	43.70	-10.86	32.84	46.00	-13.16	peak	
_	3		286.0800	34.87	-7.84	27.03	46.00	-18.97	peak	
_	4		355.9200	32.45	-6.09	26.36	46.00	-19.64	peak	
	5		569.3200	31.40	-1.22	30.18	46.00	-15.82	peak	
-	6		749.7400	30.80	1.88	32.68	46.00	-13.32	peak	
_										

Report No.: BTL-FCCP-4-1708083 Page 41 of 221







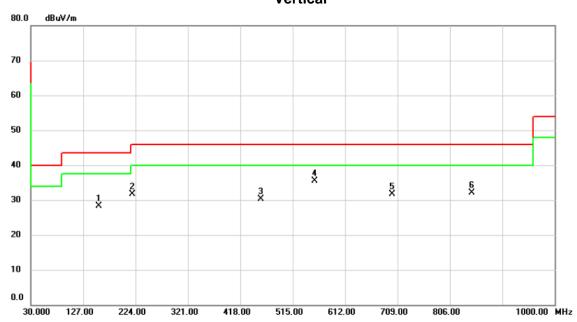
Report No.: BTL-FCCP-4-1708083 Page 42 of 221





Test Mode: UNII-3/TX N40 Mode 5795MHz

Vertical



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1	1	56.1000	37.11	-8.73	28.38	43.50	-15.12	peak	
_	2	2	18.1800	42.53	-10.85	31.68	46.00	-14.32	peak	
_	3	4	55.8300	33.68	-3.46	30.22	46.00	-15.78	peak	
_	4	* 5	55.7400	37.00	-1.57	35.43	46.00	-10.57	peak	
_	5	6	99.3000	30.92	0.85	31.77	46.00	-14.23	peak	
_	6	8	46.7400	28.98	3.18	32.16	46.00	-13.84	peak	
-										

Report No.: BTL-FCCP-4-1708083 Page 43 of 221





Test Mode: UNII-3/TX N40 Mode 5795MHz **Horizontal** 80.0 dBu∀/m 70 60 50 40 ž Ř 5 X 30 š \* 20 10 0.0 30.000 127.00 224.00 321.00 418.00 515.00 612.00 709.00 806.00 1000.00 MHz Reading Correct Measure-Over Limit No. Mk. Freq. Level Factor ment MHz dB dBuV dBuV/m dBuV/m dB Detector Comment peak 139.6100 44.88 -9.19 35.69 43.50 -7.81 2 215.2700 43.10 -10.87 32.23 43.50 -11.27 peak 355.9200 32.23 3 -6.09 26.14 46.00 -19.86 peak 4 451.9500 29.67 -3.53 26.14 46.00 -19.86 peak 749.7400 29.19 1.88 31.07 46.00 -14.93 peak 5 846.7400 29.27 3.18 32.45 46.00 -13.55 6 peak

Report No.: BTL-FCCP-4-1708083 Page 44 of 221





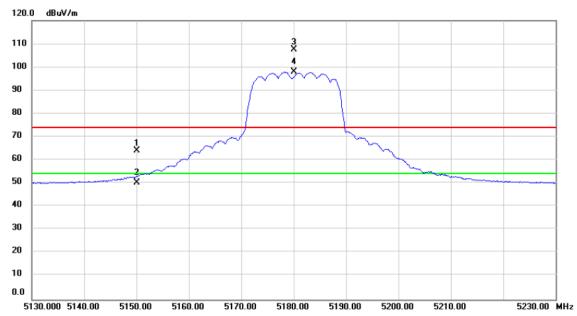
## APPENDIX C - RADIATED EMISSION (ABOVE 1000MHZ)

Report No.: BTL-FCCP-4-1708083 Page 45 of 221





### Vertical



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	26.54	37.54	64.08	74.00	-9.92	peak	
2		5150.000	12.83	37.54	50.37	54.00	-3.63	AVG	
3	X	5180.000	70.12	37.58	107.70	74.00	33.70	peak	No Limit
4	*	5180.000	60.33	37.58	97.91	54.00	43.91	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 46 of 221





#### Vertical



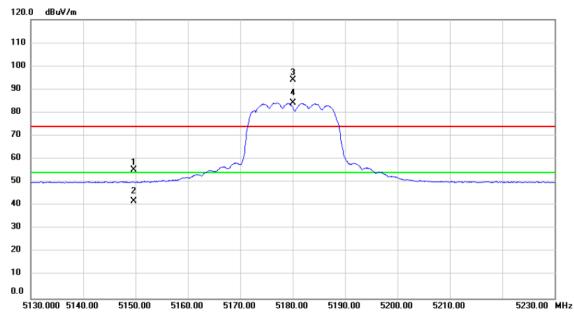
No. N	Иk.	Freq.	Reading Level		Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	*	10360.00	55.77	1.92	57.69	68.20	-10.51	peak	

Report No.: BTL-FCCP-4-1708083 Page 47 of 221





#### Horizontal



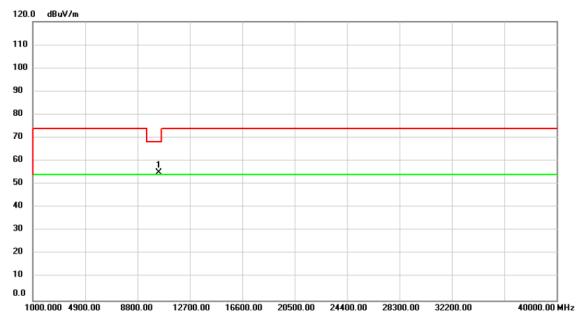
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.600	17.83	37.54	55.37	74.00	-18.63	peak	
2		5149.600	4.25	37.54	41.79	54.00	-12.21	AVG	
3	X	5180.000	56.32	37.58	93.90	74.00	19.90	peak	No Limit
4	*	5180.000	46.58	37.58	84.16	54.00	30.16	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 48 of 221





#### Horizontal

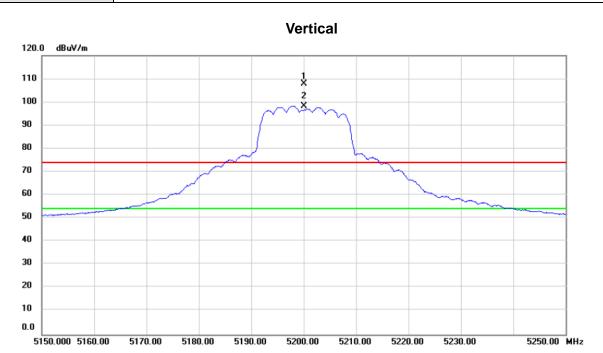


No. Mi	k. Freq.			Measure- ment		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.00	53.18	1.92	55.10	68.20	-13.10	peak	

Report No.: BTL-FCCP-4-1708083 Page 49 of 221







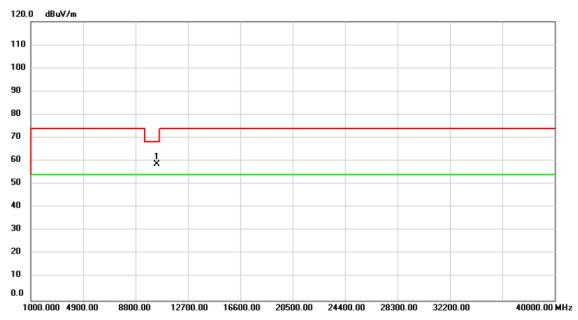
No.	M	c. Freq.	_		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5200.000	70.17	37.60	107.77	74.00	33.77	peak	No Limit
2	*	5200.000	60.72	37.60	98.32	54.00	44.32	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 50 of 221





#### Vertical



No. N	Лk.	Freq.	Reading Level		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	1	0400.00	56.66	1.95	58.61	68.20	-9.59	peak	

Report No.: BTL-FCCP-4-1708083 Page 51 of 221



5150.000 5160.00

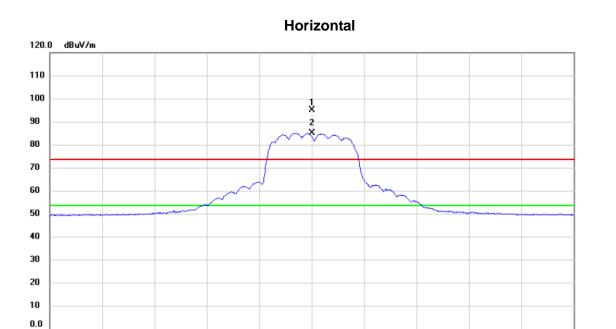
5170.00

5180.00

5190.00



Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5200MHz



No.	Mł	⟨.	Freq.	_	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	52	00.000	57.55	37.60	95.15	74.00	21.15	peak	No Limit
2	*	52	00.000	47.80	37.60	85.40	54.00	31.40	AVG	No Limit

5200.00

5210.00

5220.00

5230.00

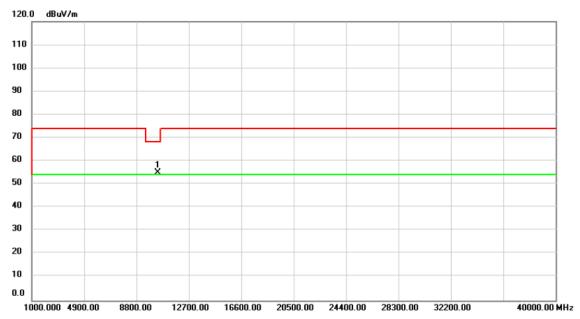
5250.00 MHz

Report No.: BTL-FCCP-4-1708083 Page 52 of 221





#### Horizontal

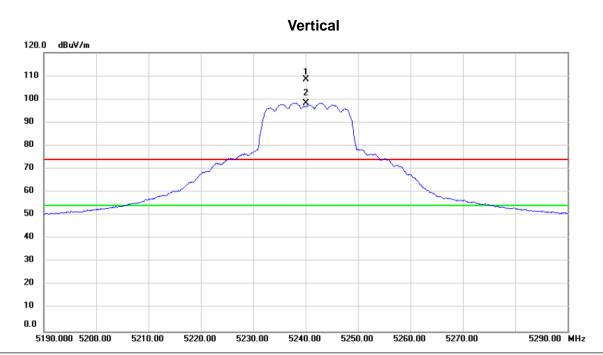


No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	10400.00	53.05	1.95	55.00	68.20	-13.20	peak	

Report No.: BTL-FCCP-4-1708083 Page 53 of 221







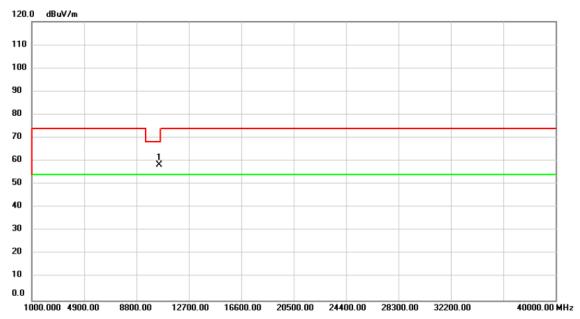
	No.	Mk	. Freq.	_	Correct Factor	Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
•	1	Χ	5240.000	70.77	37.64	108.41	74.00	34.41	peak	No Limit
	2	*	5240.000	60.75	37.64	98.39	54.00	44.39	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 54 of 221





#### Vertical



No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	10480.00	56.28	1.96	58.24	68.20	-9.96	peak	

Report No.: BTL-FCCP-4-1708083 Page 55 of 221



10 0.0

5190.000 5200.00

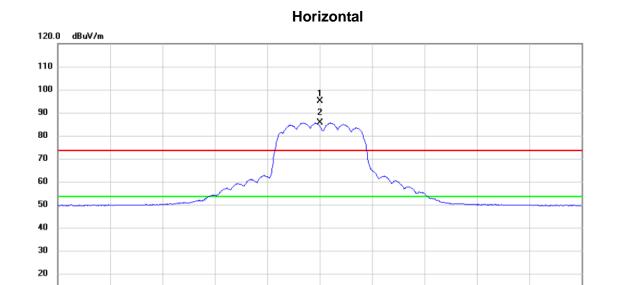
5210.00

5220.00

5230.00



Orthogonal Axis: X
Test Mode: UNII-1/ TX A Mode 5240MHz



No.	M	ζ.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	52	40.000	57.48	37.64	95.12	74.00	21.12	peak	No Limit
2	*	52	40.000	48.17	37.64	85.81	54.00	31.81	AVG	No Limit

5240.00

5250.00

5260.00

5270.00

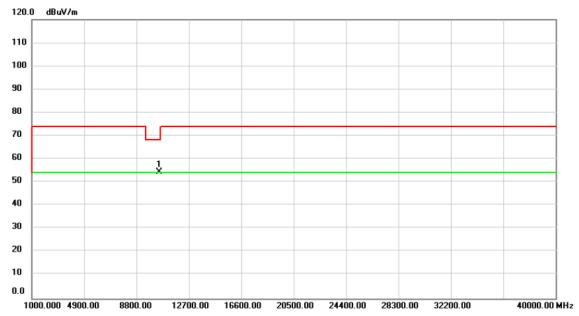
5290.00 MHz

Report No.: BTL-FCCP-4-1708083 Page 56 of 221





#### Horizontal

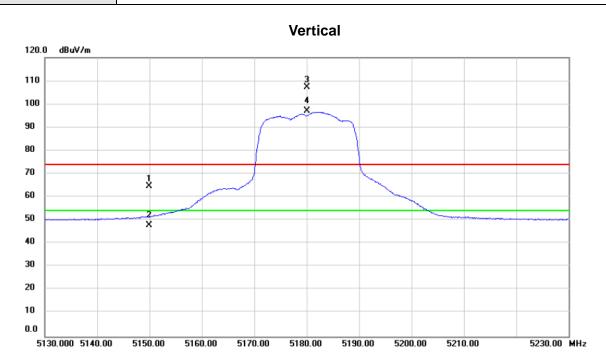


No.	М	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	104	80.00	52.64	1.96	54.60	68.20	-13.60	peak	

Report No.: BTL-FCCP-4-1708083 Page 57 of 221







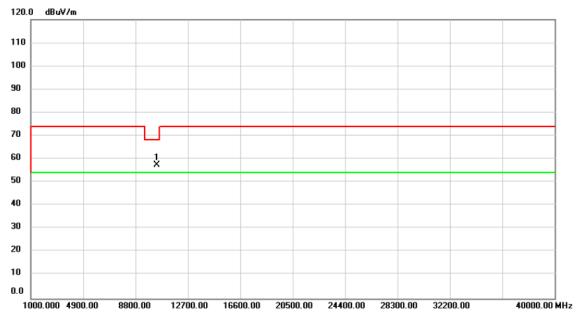
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.960	27.18	37.54	64.72	74.00	-9.28	peak	
2		5149.960	10.25	37.54	47.79	54.00	-6.21	AVG	
3	X	5180.000	69.70	37.58	107.28	74.00	33.28	peak	No Limit
4	*	5180.000	59.55	37.58	97.13	54.00	43.13	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 58 of 221





#### Vertical



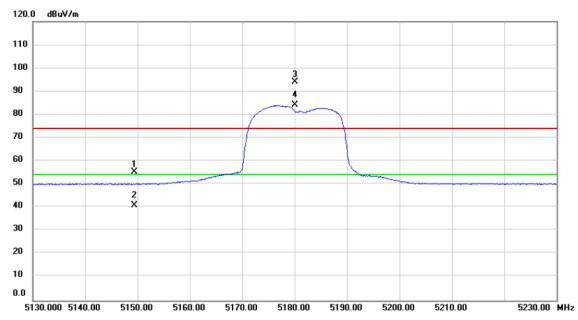
No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.00	55.65	1.92	57.57	68.20	-10.63	peak	

Report No.: BTL-FCCP-4-1708083 Page 59 of 221





#### Horizontal



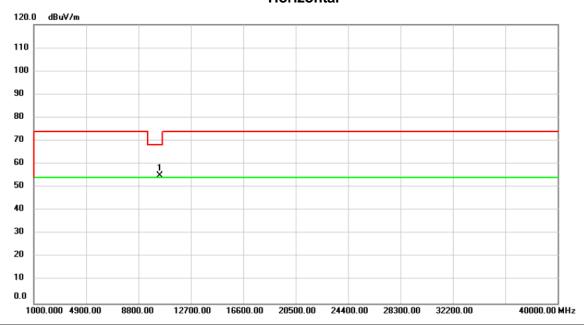
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.360	17.76	37.54	55.30	74.00	-18.70	peak	
2		5149.360	3.55	37.54	41.09	54.00	-12.91	AVG	
3	X	5180.000	56.35	37.58	93.93	74.00	19.93	peak	No Limit
4	*	5180.000	46.46	37.58	84.04	54.00	30.04	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 60 of 221





#### Horizontal

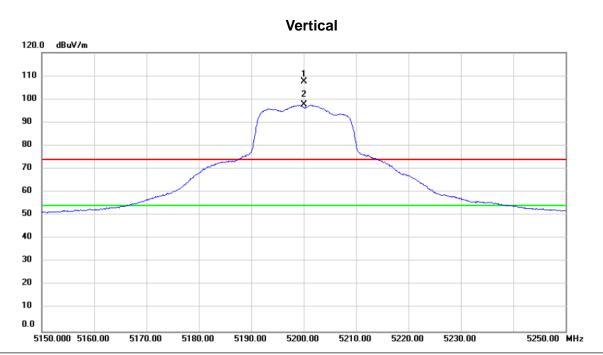


No. M	k. Freq.		Correct Factor	Measure- ment		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.00	53.11	1.92	55.03	68.20	-13.17	peak	

Report No.: BTL-FCCP-4-1708083 Page 61 of 221







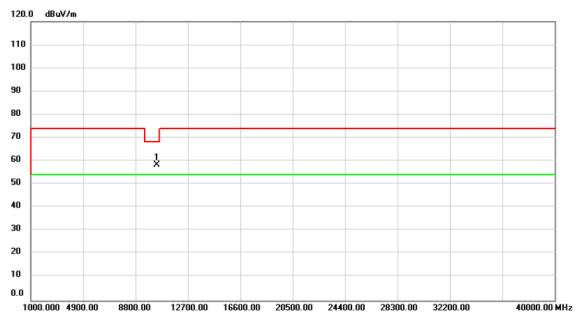
	No.	MI	k. Freq.	_	Correct Factor	Measure- ment	Limit	Over			
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
	1	X	5200.000	69.85	37.60	107.45	74.00	33.45	peak	No Limit	
	2	*	5200.000	60.15	37.60	97.75	54.00	43.75	AVG	No Limit	

Report No.: BTL-FCCP-4-1708083 Page 62 of 221









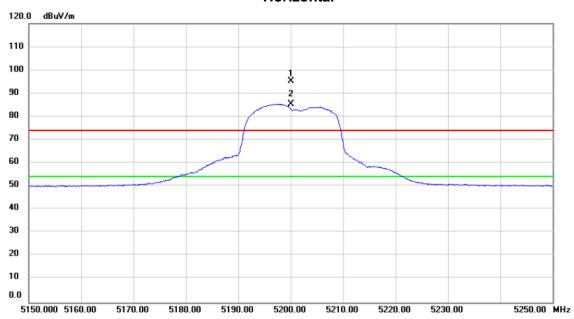
No. Mi	k. Freq.	Reading Level		Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.00	56.51	1.95	58.46	68.20	-9.74	peak	

Report No.: BTL-FCCP-4-1708083 Page 63 of 221





#### Horizontal



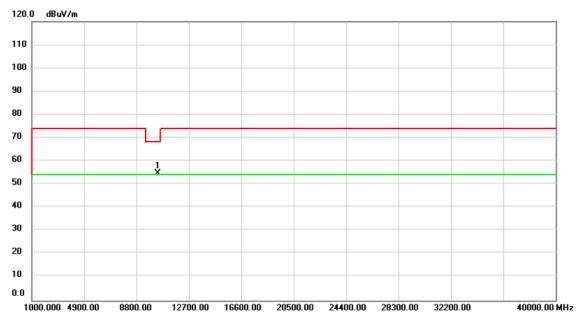
	No.	M	k. Freq.	_	Correct Factor	Measure- ment	Limit	Over			
-			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
	1	X	5200.000	57.57	37.60	95.17	74.00	21.17	peak	No Limit	
	2	*	5200.000	47.75	37.60	85.35	54.00	31.35	AVG	No Limit	

Report No.: BTL-FCCP-4-1708083 Page 64 of 221





#### Horizontal

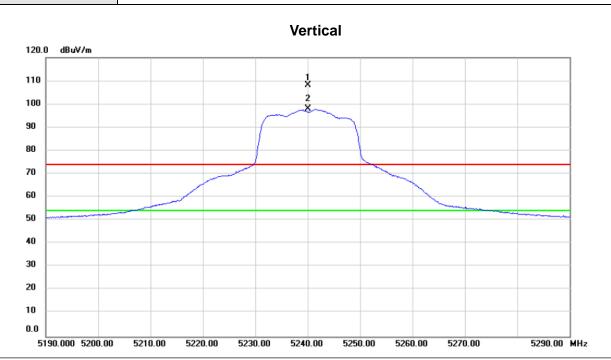


No.	M	c. Freq.	Reading Level		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.00	52.91	1.95	54.86	68.20	-13.34	peak	

Report No.: BTL-FCCP-4-1708083 Page 65 of 221







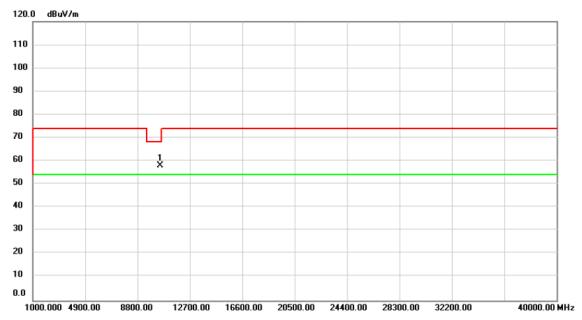
	No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
Ī	1	Χ	5240.000	70.46	37.64	108.10	74.00	34.10	peak	No Limit
_	2	*	5240.000	60.40	37.64	98.04	54.00	44.04	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 66 of 221





#### **Vertical**



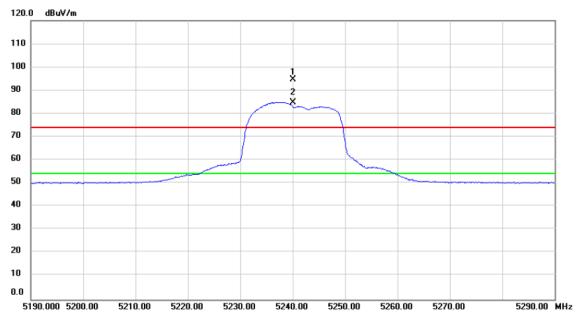
No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10480.00	56.06	1.96	58.02	68.20	-10.18	peak	

Report No.: BTL-FCCP-4-1708083 Page 67 of 221





#### Horizontal



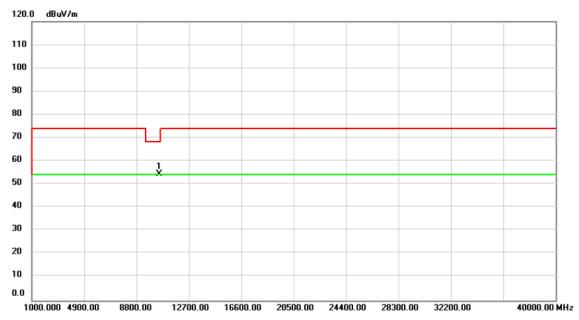
No. I	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 2	Χ	5240.000	56.95	37.64	94.59	74.00	20.59	peak	No Limit
2	*	5240.000	47.22	37.64	84.86	54.00	30.86	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 68 of 221





#### Horizontal



No. M	lk.	Freq.	Reading Level		Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	104	180.00	52.62	1.96	54.58	68.20	-13.62	peak	

Report No.: BTL-FCCP-4-1708083 Page 69 of 221



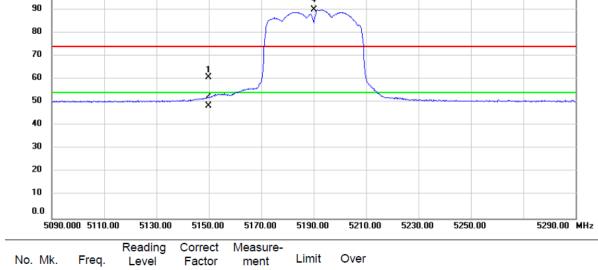
120.0 dBuV/m

110 100



Orthogonal Axis: X
Test Mode: UNII-1/ TX N40 Mode 5190MHz

# Vertical



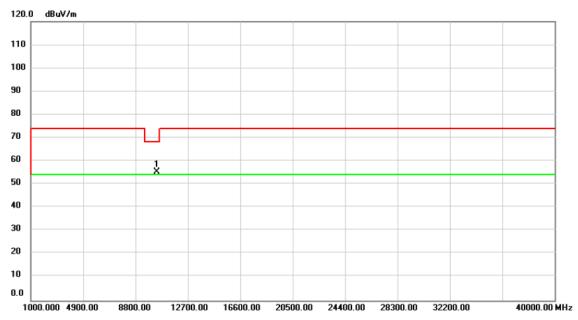
	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		5149.940	23.16	37.54	60.70	74.00	-13.30	peak	
_	2		5149.940	10.86	37.54	48.40	54.00	-5.60	AVG	
	3	Χ	5190.000	62.07	37.58	99.65	74.00	25.65	peak	No Limit
	4	*	5190.000	52.21	37.58	89.79	54.00	35.79	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 70 of 221





#### **Vertical**



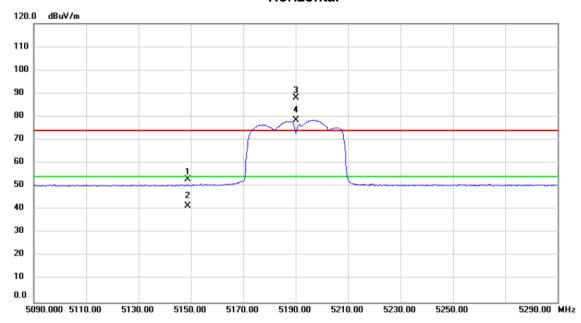
No. N	Иk.	Freq.	Reading Level		Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	*	10380.00	53.56	1.94	55.50	68.20	-12.70	peak	

Report No.: BTL-FCCP-4-1708083 Page 71 of 221





#### Horizontal



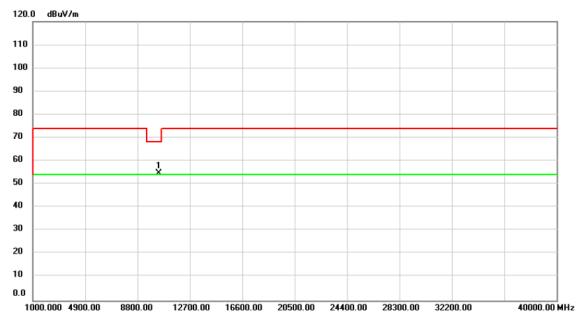
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5148.740	15.50	37.54	53.04	74.00	-20.96	peak	
2		5148.740	4.13	37.54	41.67	54.00	-12.33	AVG	
3	X	5190.000	50.50	37.58	88.08	74.00	14.08	peak	No Limit
4	*	5190.000	40.97	37.58	78.55	54.00	24.55	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 72 of 221





#### Horizontal



No.	MI	k. Freq.	Reading Level		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10380.00		1.94	54.70	68.20	-13.50	peak	

Report No.: BTL-FCCP-4-1708083 Page 73 of 221





#### Vertical 120.0 dBuV/m 110 100 90 80 70 60 40 30 20 10 0.0 5130.000 5150.00 5170.00 5190.00 5210.00 5230.00 5250.00 5270.00 5290.00 5330.00 MHz

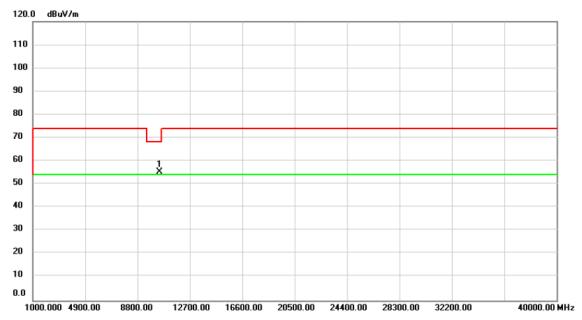
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.200	22.73	37.54	60.27	74.00	-13.73	peak	
2		5149.200	5.73	37.54	43.27	54.00	-10.73	AVG	
3	X	5230.000	65.68	37.63	103.31	74.00	29.31	peak	No Limit
4	*	5230.000	56.42	37.63	94.05	54.00	40.05	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 74 of 221





#### **Vertical**



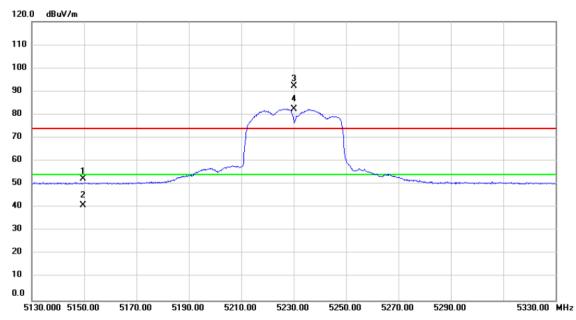
No. Mi	k. Freq.			Measure- ment		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.00	53.31	1.96	55.27	68.20	-12.93	peak	

Report No.: BTL-FCCP-4-1708083 Page 75 of 221





#### Horizontal



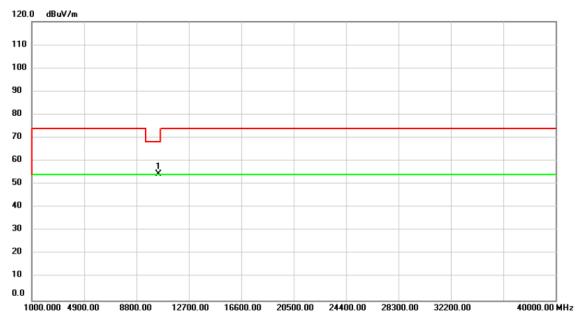
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5149.700	14.88	37.54	52.42	74.00	-21.58	peak	
2		5149.700	3.46	37.54	41.00	54.00	-13.00	AVG	
3	Χ	5230.000	54.50	37.63	92.13	74.00	18.13	peak	No Limit
4	*	5230.000	44.80	37.63	82.43	54.00	28.43	AVG	No Limit

Report No.: BTL-FCCP-4-1708083 Page 76 of 221





#### Horizontal



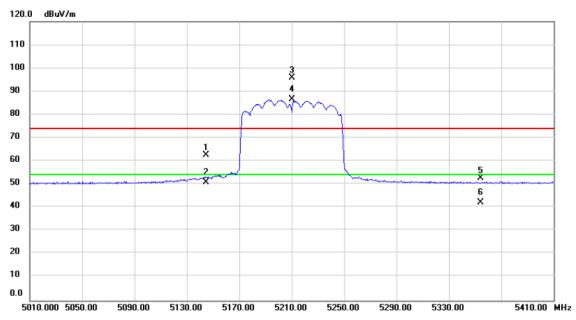
No. Mi	k. Freq.	Reading Level		Measure- ment		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.00	52.56	1.96	54.52	68.20	-13.68	peak	

Report No.: BTL-FCCP-4-1708083 Page 77 of 221





#### Vertical



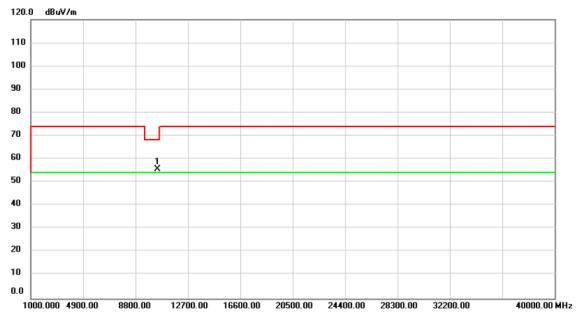
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5144.680	25.05	37.54	62.59	74.00	-11.41	peak	
2		5144.680	13.39	37.54	50.93	54.00	-3.07	AVG	
3	X	5210.000	58.24	37.61	95.85	74.00	21.85	peak	No Limit
4	*	5210.000	49.04	37.61	86.65	54.00	32.65	AVG	No Limit
5		5354.400	14.91	37.76	52.67	74.00	-21.33	peak	
6		5354.400	4.42	37.76	42.18	54.00	-11.82	AVG	

Report No.: BTL-FCCP-4-1708083 Page 78 of 221





#### Vertical



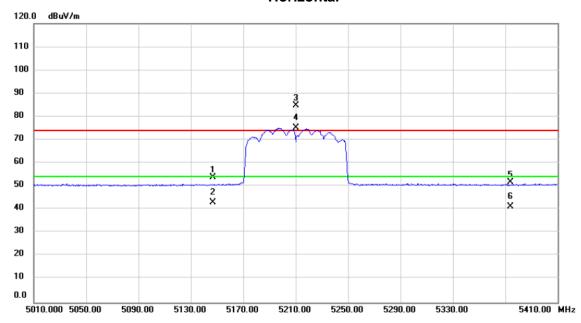
No.	M	c. Freq.			Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	53.83	1.95	55.78	68.20	-12.42	peak	

Report No.: BTL-FCCP-4-1708083 Page 79 of 221





#### Horizontal



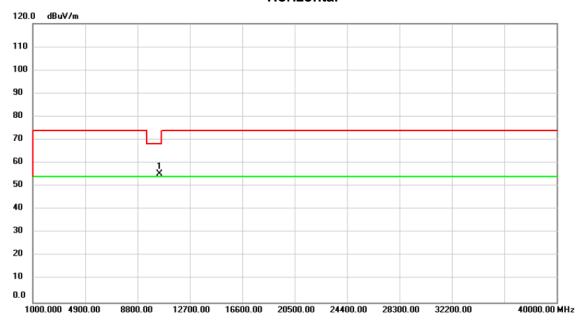
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5146.780	16.31	37.54	53.85	74.00	-20.15	peak	
2		5146.780	5.49	37.54	43.03	54.00	-10.97	AVG	
3	Χ	5210.000	47.09	37.61	84.70	74.00	10.70	peak	No Limit
4	*	5210.000	37.40	37.61	75.01	54.00	21.01	AVG	No Limit
5		5374.050	14.02	37.78	51.80	74.00	-22.20	peak	
6		5374.050	3.44	37.78	41.22	54.00	-12.78	AVG	

Report No.: BTL-FCCP-4-1708083 Page 80 of 221





#### Horizontal



No. M	k. Freq.		Correct Factor	Measure- ment		Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.00	53.52	1.95	55.47	68.20	-12.73	peak	

Report No.: BTL-FCCP-4-1708083 Page 81 of 221