



FCC Radio Test Report

FCC ID: XMR202005SC200RNA

This report concerns: Original Grant

Project No. : 2005H018

Equipment: Multi-mode Smart LTE Module

Brand Name : Quectel
Test Model : SC200R-NA

Series Model : N/A

Applicant: Quectel Wireless Solutions Co., Ltd

Address : Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin

Road, Minhang District, Shanghai, China 200233

Manufacturer : Quectel Wireless Solutions Co., Ltd

Address : Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin

Road, Minhang District, Shanghai, China 200233

Date of Receipt : May 08, 2020

Date of Test : May 08, 2020 ~ Jun. 05, 2020

Issued Date : Aug. 10, 2020

Report Version : R00

Test Sample : Engineering Sample No.: SH2020050840, SH2020050840-1

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

ANSI C63.10-2013

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

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INC. MRA

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

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. Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



Table of Contents	Page
REPORT ISSUED HISTORY	5
1 . SUMMARY OF TEST RESULTS	6
1.1 TEST FACILITY	7
1.2 MEASUREMENT UNCERTAINTY	7
1.3 TEST ENVIRONMENT CONDITIONS	7
2 . GENERAL INFORMATION	8
2.1 GENERAL DESCRIPTION OF EUT	8
2.2 TEST MODES	10
2.3 PARAMETERS OF TEST SOFTWARE	12
2.4 DUTY CYCLE	13
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	14
2.6 SUPPORT UNITS	14
3 . AC POWER LINE CONDUCTED EMISSIONS TEST	15
3.1 LIMIT	15
3.2 TEST PROCEDURE	15
3.3 DEVIATION FROM TEST STANDARD	15
3.4 TEST SETUP	16
3.5 EUT OPERATION CONDITIONS	16
3.6 TEST RESULTS	16
4 . RADIATED EMISSIONS TEST	17
4.1 LIMIT	17
4.2 TEST PROCEDURE	18
4.3 DEVIATION FROM TEST STANDARD	18
4.4 TEST SETUP	19
4.5 EUT OPERATION CONDITIONS	21
4.6 TEST RESULTS - 9 KHZ to 30 MHZ	21
4.7 TEST RESULTS - 30 MHz TO 1000 MHz	21
4.8 TEST RESULTS - ABOVE 1000 MHz	21
5 . BANDWIDTH TEST	22
5.1 LIMIT	22
5.2 TEST PROCEDURE	22
5.3 TEST PROCEDURE	22
5.4 TEST SETUP	22



Table of Contents	Page
5.5 EUT OPERATION CONDITIONS	22
5.6 TEST RESULTS	22
6 . MAXIMUM OUTPUT POWER TEST	23
6.1 LIMIT	23
6.2 TEST PROCEDURE	23
6.3 DEVIATION FROM STANDARD	23
6.4 TEST SETUP	23
6.5 EUT OPERATION CONDITIONS	23
6.6 TEST RESULTS	23
7 . POWER SPECTRAL DENSITY TEST	24
7.1 LIMIT	24
7.2 TEST PROCEDURE	24
7.3 DEVIATION FROM STANDARD	24
7.4 TEST SETUP	25
7.5 EUT OPERATION CONDITIONS	25
7.6 TEST RESULTS	25
8 . MEASUREMENT INSTRUMENTS LIST	26
9 . EUT TEST PHOTOS	28
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	31
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	34
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ	35
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ	38
APPENDIX E - BANDWIDTH	171
APPENDIX F - CONDUCTED OUTPUT POWER	180
APPENDIX G - POWER SPECTRAL DENSITY	185



REPORT ISSUED HISTORY

Report Version Description		Issued Date
R00	Original Issue.	Aug. 10, 2020



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

	FCC Part15, Subpart E(15.407)						
Standard(s) Section	Test Item	Test Result	Judgement	Remark			
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS				
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS				
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS				
15.407(a)	Maximum Output Power	APPENDIX F	PASS				
15.407(a)	Power Spectral Density	APPENDIX G	PASS				
15.407(g)	Frequency Stability	APPENDIX H	PASS				
15.203	Antenna Requirements		PASS	NOTE (3)			
15.407(c)	Automatically Discontinue Transmission		PASS	NOTE (3)			

Note:

(1)	"N/Δ"	denotes	test is	not	applicable	in t	hic to	st report

(2)	The device what use a permanently	attached	antenna	were	considered	sufficient to	comply	with	the
	provisions of 15.203.								

(3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

transmitting from remote device	e and verify whether it shall resend or discontinue transmission.
(4) For UNII-1 this device was fund	tioned as a
☐ Access point device ☐ ☐	Client device



1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. AC Power Line Conducted Emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	9 kHz ~ 150 MHz	2.92

B. Radiated emissions test:

<u>a ciriissions te</u>				
Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
		9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	I	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	I	3.76
SH-CB01	CISPR	200 MHz~1,000 MHz	V	4.24
3H-CB01	CISER	200 MHz~1,000 MHz	I	3.84
		1 GHz~18 GHz	V	4.46
	1 GHz~18 GHz	I	4.40	
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	Н	3.95

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	23°C	60%	DC 3.8V	Forest Li
Radiated Emissions-30 MHz to 1GHz	23°C	46%	DC 3.8V	Forest Li
Radiated Emissions-Above 1000 MHz	23°C	46%	DC 3.8V	Forest Li
Spectrum Bandwidth	23°C	46%	DC 3.8V	Forest Li
Maximum Output Power	23°C	60%	DC 3.8V	Forest Li
Power Spectral Density	23°C	60%	DC 3.8V	Forest Li
Frequency Stability	Normal &	60%	Normal &	Forest Li
1 requerity Stability	Extreme	00 /0	Extreme	I OIEST LI



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Multi-mode Smart LTE Module
Brand Name	Quectel
Test Model	SC200R-NA
Series Model	N/A
Model Difference(s)	N/A
Software Version	SC200RNANAR04A01
Hardware Version	R1.0
Power Source	DC power supply.
Power Rating	DC 3.8V
Operation Frequency	UNII-1: 5150 MHz~5250 MHz UNII-2A: 5250 MHz~5350 MHz UNII-2C: 5470 MHz~5725 MHz UNII-3: 5725 MHz~5850 MHz
Modulation Type	OFDM
Bit Rate of Transmitter	Up to 150 Mbps
Maximum Conducted Output Power for UNII-1 (1TX) Non-Beamforming	IEEE 802.11a: 16.66 dBm (0.0463 W) IEEE 802.11n (HT20): 15.49 dBm (0.0354 W) IEEE 802.11n (HT40): 13.42 dBm (0.0220 W)
Maximum Conducted Output Power for UNII-2A (1TX) Non-Beamforming	IEEE 802.11a: 16.24 dBm (0.0421 W) IEEE 802.11n (HT20): 15.06 dBm (0.0321 W) IEEE 802.11n (HT40): 13.15 dBm (0.0207 W)
Maximum Conducted Output Power for UNII-2C (1TX) Non-Beamforming	IEEE 802.11a: 16.94 dBm (0.0494 W) IEEE 802.11n (HT20): 15.86 dBm (0.0385 W) IEEE 802.11n (HT40): 15.10 dBm (0.0324 W)
Maximum Conducted Output Power for UNII-3 (1TX) Non-Beamforming	IEEE 802.11a: 15.50 dBm (0.0355 W) IEEE 802.11n (HT20): 14.68 dBm (0.0294 W) IEEE 802.11n (HT40): 14.36 dBm (0.0273 W)

Note:

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



2. Channel List:

IEEE 802.1		IEEE 802.	11n (HT40)
UNI	I-1	UN	II-1
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

IEEE 802.11a IEEE 802.11n (HT20)		IEEE 802.11n (HT40)	
UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel Frequer (MHz	
52	5260	54	5270
56	5280	62	5310
60	5300		
64	5320		

IEEE 802.11a IEEE 802.11n (HT20)		IEEE 802.11n (HT40)	
UNII	-2C	UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600		
124	5620		
128	5640		
132	5660		
136	5680		
140	5700		

IEEE 802.11a IEEE 802.11n (HT20)		IEEE 802.11n (HT40)	
UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		



3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Dipole	N/A	1.28

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)
Mode 5	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)
Mode 6	TX N (HT40) Mode / CH54, CH62 (UNII-2A)
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)
Mode 8	TX N (HT20) Mode / CH100, CH116, CH140 (UNII-2C)
Mode 9	TX N (HT40) Mode / CH102, CH110, CH134 (UNII-2C)
Mode 10	TX A Mode / CH149,CH157,CH165 (UNII-3)
Mode 11	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)
Mode 12	TX N (HT40) Mode / CH151,CH159 (UNII-3)
Mode 13	TX A Mode / CH116 (UNII-2C)

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test			
Final Test Mode Description			
Mode 13 TX A Mode / CH116 (UNII-2C)			



Radiated emissions test			
Final Test Mode	Description		
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)		
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)		
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)		
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)		
Mode 5	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)		
Mode 6	TX N (HT40) Mode / CH54, CH62 (UNII-2A)		
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)		
Mode 8	TX N (HT20) Mode / CH100, CH116, CH140 (UNII-2C)		
Mode 9	TX N (HT40) Mode / CH102, CH110, CH134 (UNII-2C)		
Mode 10	TX A Mode / CH149,CH157,CH165 (UNII-3)		
Mode 11	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)		
Mode 12	TX N (HT40) Mode / CH151,CH159 (UNII-3)		

Conducted test		
Test Mode	Description	
Mode 1	TX A Mode / CH36, CH40, CH48 (UNII-1)	
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48 (UNII-1)	
Mode 3	TX N (HT40) Mode / CH38, CH46 (UNII-1)	
Mode 4	TX A Mode / CH52, CH60, CH64 (UNII-2A)	
Mode 5	TX N (HT20) Mode / CH52, CH60, CH64 (UNII-2A)	
Mode 6	TX N (HT40) Mode / CH54, CH62 (UNII-2A)	
Mode 7	TX A Mode / CH100, CH116, CH140 (UNII-2C)	
Mode 8	TX N (HT20) Mode / CH100, CH116, CH140 (UNII-2C)	
Mode 9	TX N (HT40) Mode / CH102, CH110, CH134 (UNII-2C)	
Mode 10	TX A Mode / CH149,CH157,CH165 (UNII-3)	
Mode 11	TX N (HT20) Mode / CH149,CH157,CH165 (UNII-3)	
Mode 12	TX N (HT40) Mode / CH151,CH159 (UNII-3)	

Note:

- (1) For radiated emission below 1 GHz test, the IEEE 802.11a is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.



2.3 PARAMETERS OF TEST SOFTWARE

UNII-1 - 1TX			
Test Software	QRCT		
Test Frequency (MHz)	5180 5200 5240		
IEEE 802.11a	15	15	15
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11n (HT20)	14	14	14
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	14	14	

UNII-2A - 1TX					
Test Software	QRCT				
Test Frequency (MHz)	5260	5260 5300 5320			
IEEE 802.11a	15	15	15		
Test Frequency (MHz)	5260	5300	5320		
IEEE 802.11n (HT20)	14	14	14		
Test Frequency (MHz)	5270	5310			
IEEE 802.11n (HT40)	14	14			

UNII-2C - 1TX				
Test Software	QRCT			
Test Frequency (MHz)	5500	5500 5580 5700		
IEEE 802.11a	15	15	15	
Test Frequency (MHz)	5500	5580	5700	
IEEE 802.11n (HT20)	14	14	14	
Test Frequency (MHz)	5510	5550	5670	
IEEE 802.11n (HT40)	14	14	14	

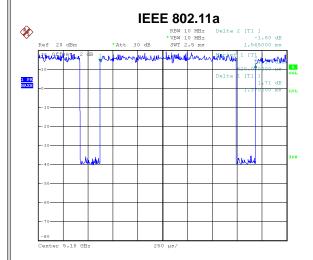
UNII-3 - 1TX			
Test Software	QRCT		
Test Frequency (MHz)	5745 5785 5825		
IEEE 802.11a	15	15	15
Test Frequency (MHz)	5745	5785	5825
IEEE 802.11n (HT20)	14	14	14
Test Frequency (MHz)	5755	5795	
IEEE 802.11n (HT40)	14	14	





2.4 DUTY CYCLE

If duty cycle is \geq 98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered. The output power = measured power + duty factor.

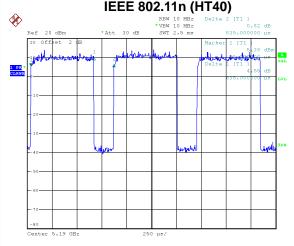


IEEE 802.11n (HT20)

with you Menthage Marke

Date: 1.JUN.2020 21:05:02

Duty cycle = 1.370 ms / 1.565 ms = 87.54% Duty Factor = 10 * log(1 / Duty cycle) = 0.58 dB



Date: 1.JUN.2020 21:05:35

Ref 20 dBm

mythe ather

Duty cycle = 1.280 ms / 1.480 ms = 86.49% Duty Factor = 10 * log(1 / Duty cycle) = 0.63 dB

Date: 1.JUN.2020 21:06:16

Duty cycle = 0.635 ms / 0.835 ms = 76.05%Duty Factor = 10 * log(1 / Duty cycle) = 1.19 dB

NOTE:

For IEEE 802.11a, IEEE 802.11n (HT20):

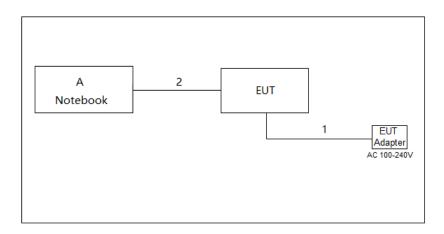
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 0.78 kHz (Duty cycle < 98%).

For IEEE 802.11n (HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1.57 kHz (Duty cycle < 98%).



2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
Α	Notebook	Lenovo	#P152014	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	USB	NO	NO	1m



3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency	Limit (dBµV)		
(MHz)	Quasi-peak	Average	
0.15 - 0.5	66 to 56*	56 to 46*	
0.50 - 5.0	56	46	
5.0 - 30.0	60	50	

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

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

3.2 TEST PROCEDURE

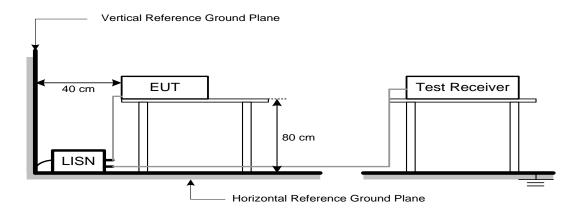
- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 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.

3.3 DEVIATION FROM TEST STANDARD

No deviation



3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.



4. RADIATED EMISSIONS TEST

4.1 LIMIT

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.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Emilite of the Birthe Benneolotte Mexicontement to the to 1000 Miles				
Frequency	Field Strength	Measurement Distance		
(MHz)	(microvolts/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		

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequency	EIRP Limit	Band edge	Harmonic
(MHz)	(dBm/MHz)	at 3m (dBµV/m)	at 1.5m (dBµV/m)
5150-5250	-27	68.3	74.3 (Note 3)
5250-5350	-27	68.3	74.3 (Note 3)
5470-5725	-27	68.3	74.3 (Note 3)
	-27 NOTE (2)	68.3	74.3 (Note 3)
5725-5850	10 NOTE (2)	105.3	111.3(Note 3)
3723-3630	15.6 NOTE (2)	110.9	116.9(Note 3)
	27 NOTE (2)	122.3	128.3(Note 3)

NOTE:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{2}$$
 µV/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 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.



4.2 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 or 1.5m 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 0.8m 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

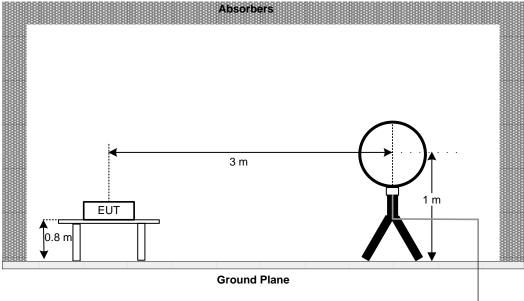
4.3 DEVIATION FROM TEST STANDARD

No deviation



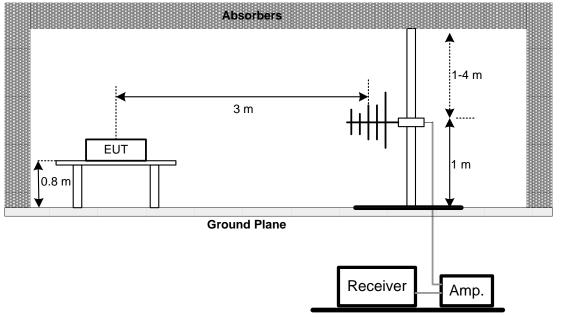
4.4 TEST SETUP

9 kHz to 30 MHz



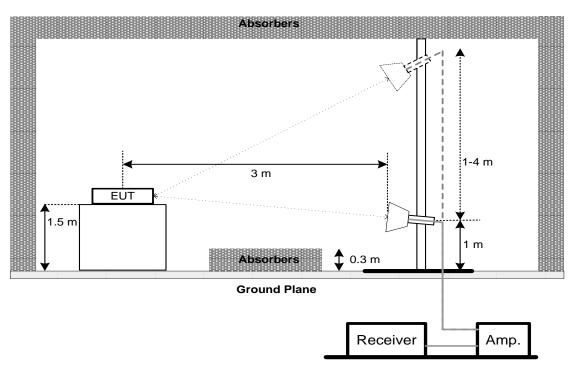


30 MHz to 1 GHz

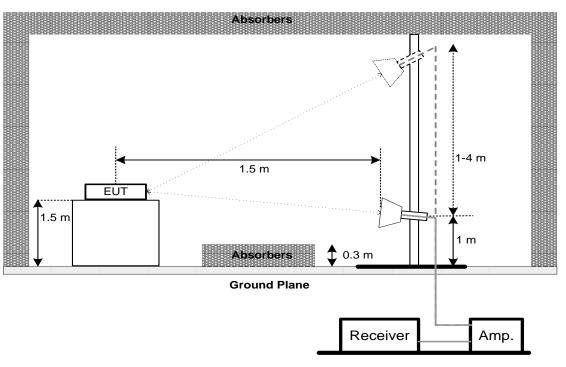




Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 26.5 GHz)





4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ to 30 MHZ

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.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHz

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.



5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)				
Section	Test Item	Limit	Frequency Range (MHz)	
	26 dB Bandwidth	-	5150-5250	
15.407(a)	26 dB Bandwidth	-	5250-5350	
15.407(e)	26 dB Bandwidth	-	5470-5725	
	6 dB Bandwidth	Minimum 500 kHz	5725-5850	

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below
- b. a. Spectrum Setting:

For UNII-1, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz (Bandwidth 20 MHz) 1 MHz (Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz (Bandwidth 20 MHz) 3 MHz (Bandwidth 40 MHz and 80 MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB below carrier

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.



6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart E (15.407)				
Section	Test Item	Limit	Frequency Range (MHz)	
		AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm)	5150-5250	
15.407(a)	Conducted Output Power	250 mW (24 dBm)	5250-5350	
		250 mW (24 dBm)	5470-5725	
		1 Watt (30dBm)	5725-5850	

Note:

- a. 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. In addition, 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, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- b. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.



7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)				
Section	Test Item	Limit	Frequency Range (MHz)	
		AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250	
15.407(a)	Power Spectral Density	11 dBm/MHz	5250-5350	
		11 dBm/MHz	5470-5725	
		30 dBm/500 kHz	5725-5850	

7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	≥ 3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.
- 2. The value measured with RBW=1 MHz is to be added with 10log(500 kHz/1 MHz) which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

7.3 DEVIATION FROM STANDARD

No deviation.



Report No.: BTL-FCCP-4-2005H018 7.4 TEST SETUP SPECTRUM EUT ANALYZER 7.5 EUT OPERATION CONDITIONS The EUT was programmed to be in continuously transmitting mode. 7.6 TEST RESULTS Please refer to the APPENDIX G.



8. MEASUREMENT INSTRUMENTS LIST

	AC Power Line Conducted Emissions							
Item	tem Kind of Equipment Manufa		Type No.	Serial No.	Calibrated until			
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 21, 2021			
2	TWO-LINE V-NETWORK	R&S ENV216		101340	Sep. 01, 2020			
3	Test Cable	emci	EMCRG400-BM-NM- 10000	170628	Jul. 16, 2020			
4	EMI Test Receiver	R&S ESCI		100082	Mar. 21, 2021			
5	50Ω Terminator SHX TF2-1G-A		17051602	Mar. 21, 2021				
6	50Ω coaxial switch	2 coaxial switch Anritsu MP59B		6201750902	Mar. 21, 2021			
7	Measurement Farad		EZ-EMC Ver.NB-03A1-01	N/A	N/A			

	Radiated Emissions - 30 MHz to 1 GHz							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until			
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Apr. 02, 2021			
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 21, 2021			
3	MXE EMI Receiver Keysight N		N9038A	MY56400088	Mar. 21, 2021			
4	Test Cable	emci	EMC104-SM-SM-700 0	170330	Apr. 13, 2021			
5	Test Cable	emci	EMC104-SM-SM-100 0	170331	Apr. 13, 2021			
6	Test Cable emci EMC10		EMC104-SM-NM-350 0	170621	Apr. 13, 2021			
7	Measurement Software	Farad		N/A	N/A			
8	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Apr. 02, 2021			



	Radiated Emissions - Above 1 GHz						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Apr. 02, 2021		
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 11, 2021		
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 21, 2021		
4	Test Cable	FM		170330	Apr. 13, 2021		
5	Test Cable	emci	EMC104-SM-SM-100 0	170331	Apr. 13, 2021		
6	Test Cable	emci	EMC104-SM-NM-350 0	170621	Apr. 13, 2021		
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A		
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	May. 06, 2021		
9	Antenna	tenna Schwarzbeck BBHA9170		9170-651	Apr. 02, 2021		
10	Pre-Amplifier EMC INSTRUMENT EMC1		EMC184045B	980265	Mar. 21, 2021		
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 21, 2021		
12	Test Cable	emci	EMC102-SM-SM-800	170335	Apr. 13, 2021		
13	Test Cable emci		EMC102-KM-KM-250 0	170627	Apr. 13, 2021		

	Bandwidth						
Ite	m	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	1 Spectrum Analyzer		R&S	FSP40	100626	May. 06, 2021	

Conducted Output Power							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021		

Power Spectral Density						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until	
1	Spectrum Analyzer	R&S	FSP40	100626	May. 06, 2021	

Remark: "N/A" denotes no model name, serial no. or calibration specified.

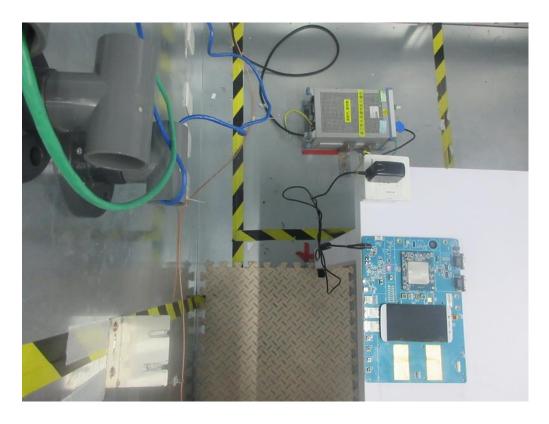
All calibration period of equipment list is one year.



9. EUT TEST PHOTOS

Conducted Emissions Test Photos



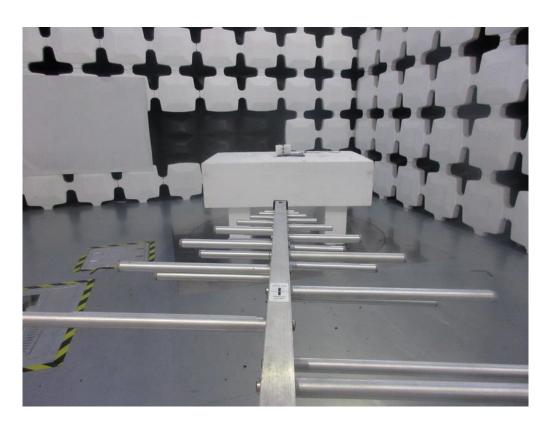




Radiated Emissions Test Photos

30 MHz to 1 GHz



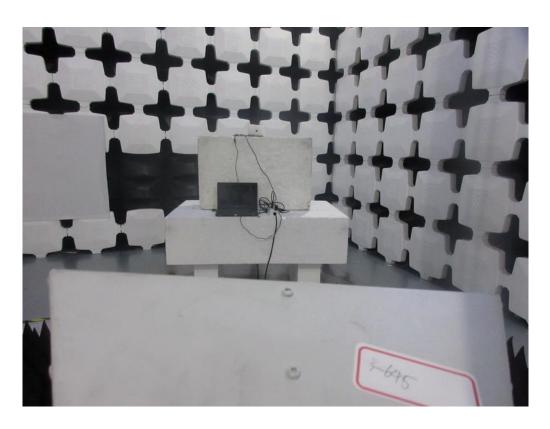




Radiated Emissions Test Photos

Above 1 GHz

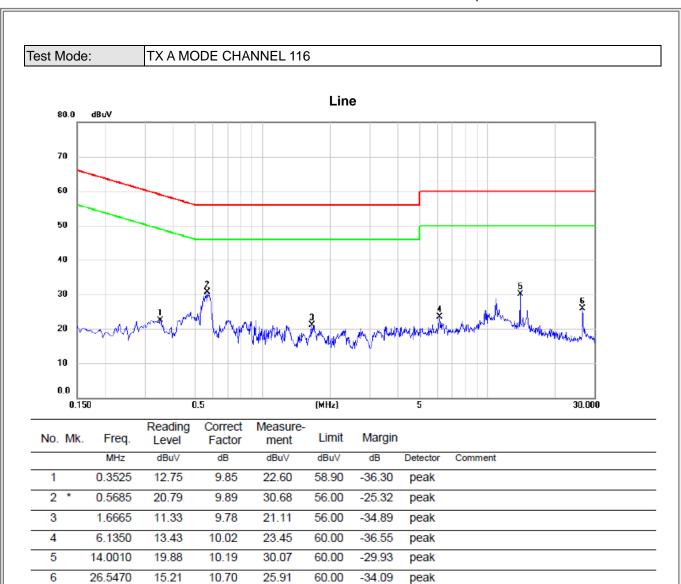






APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	

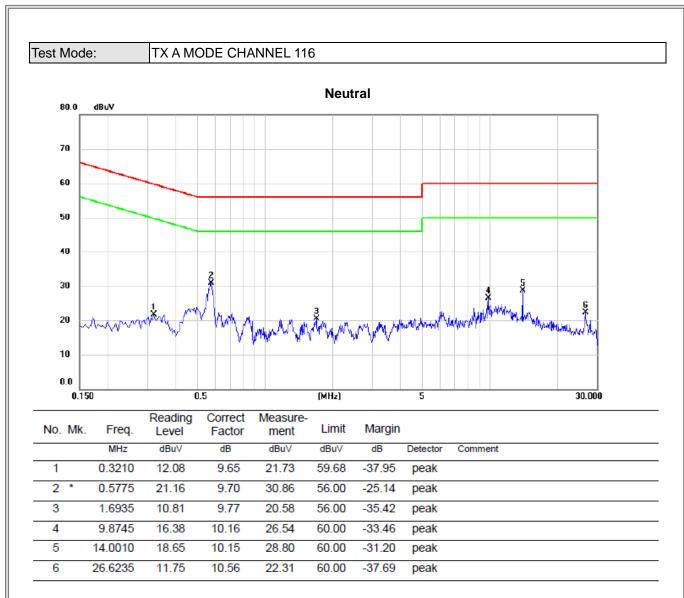




REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





REMARKS:

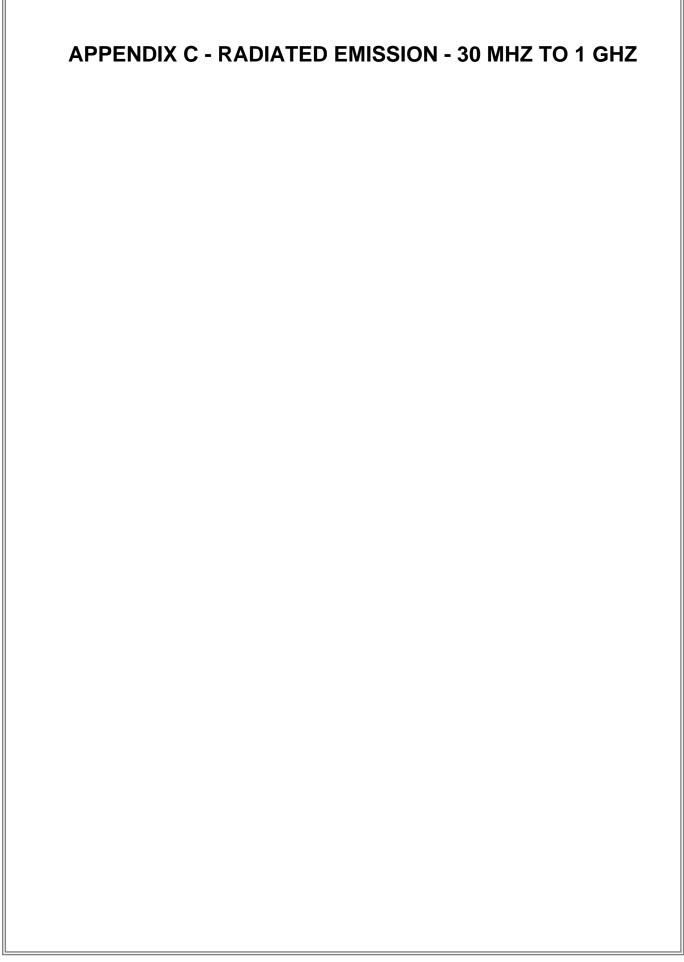
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



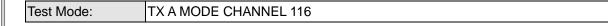
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

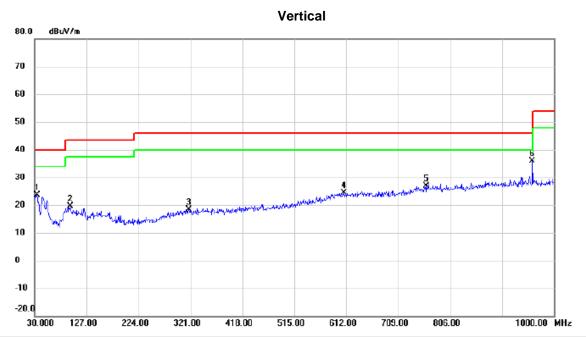
Note: Below 30MHz, The measured value have enough margin over 20dB than the limit, therefore they are not reported









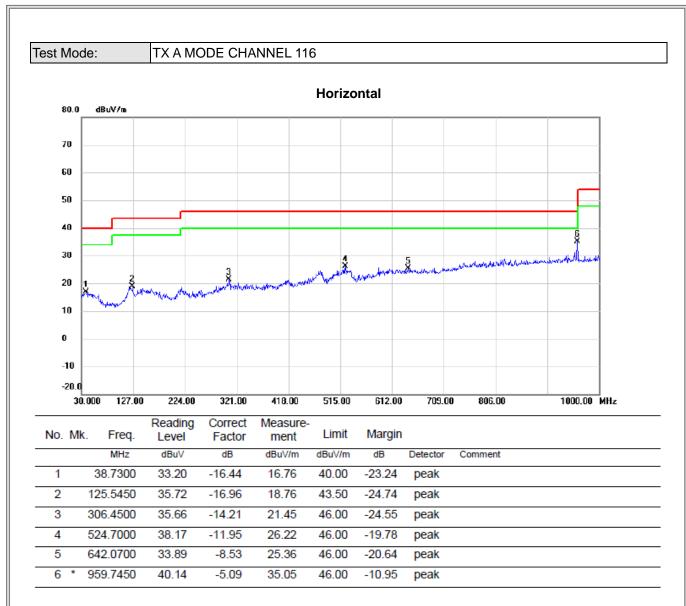


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		34.3650	40.79	-17.27	23.52	40.00	-16.48	peak	
2		96.4450	39.74	-20.17	19.57	43.50	-23.93	peak	
3	,	317.1200	32.40	-14.04	18.36	46.00	-27.64	peak	
4		607.1500	33.12	-8.63	24.49	46.00	-21.51	peak	
5		760.8950	33.53	-6.63	26.90	46.00	-19.10	peak	
6	*	959.7450	41.06	-5.09	35.97	46.00	-10.03	peak	

REMARKS:

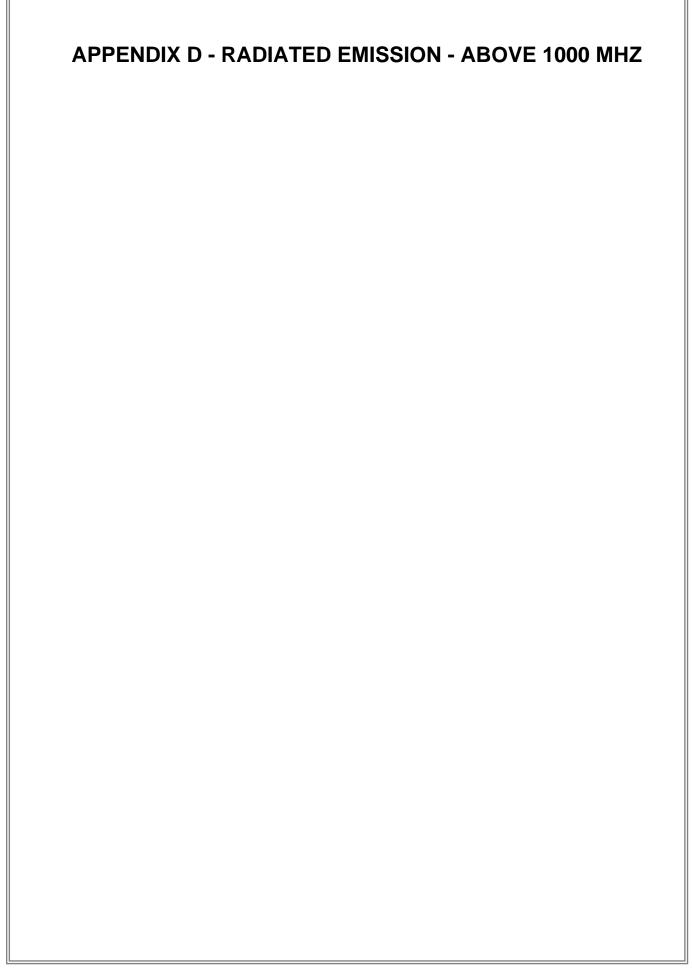
- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





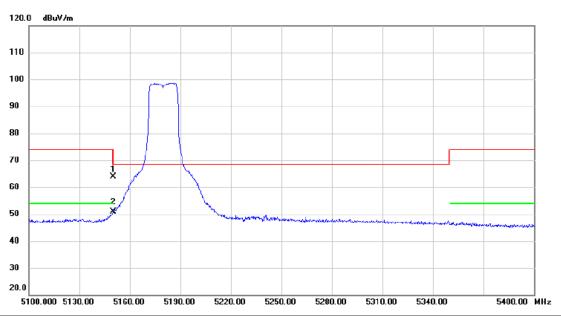
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.







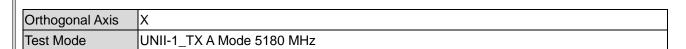
Orthogonal Axis	X
Test Mode	UNII-1_TX A Mode 5180 MHz

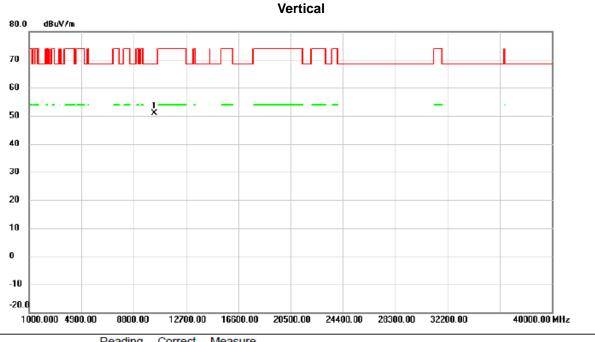


No.	M	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		51	50.000	24.92	39.07	63.99	74.00	-10.01	peak	
2	*	51	50.000	11.69	39.07	50.76	54.00	-3.24	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





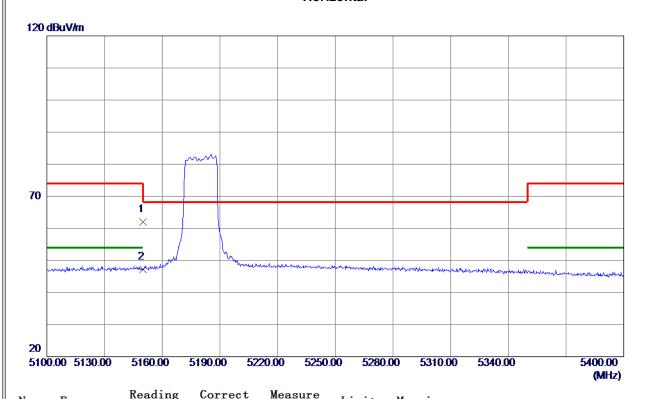


No. Mk	. Freq.			Measure- ment	Limit	Margin		
	MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.63	52.49	-1.64	50.85	68.30	-17.45	peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



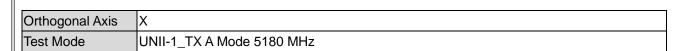
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX A Mode 5180 MHz

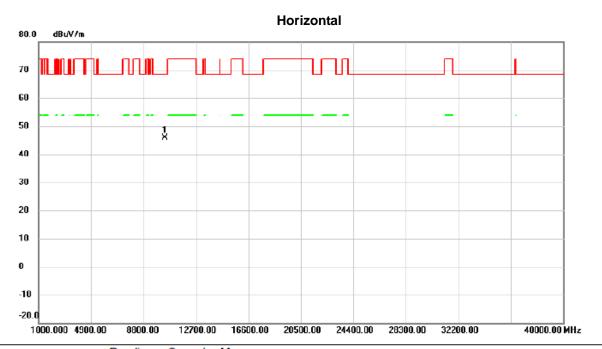


No.	Freq.	Level	Factor	ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22.94	39. 07	62.01	74.00	-11.99	Peak	
2 *	5150.0000	8. 21	39. 07	47. 28	54.00	-6.72	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





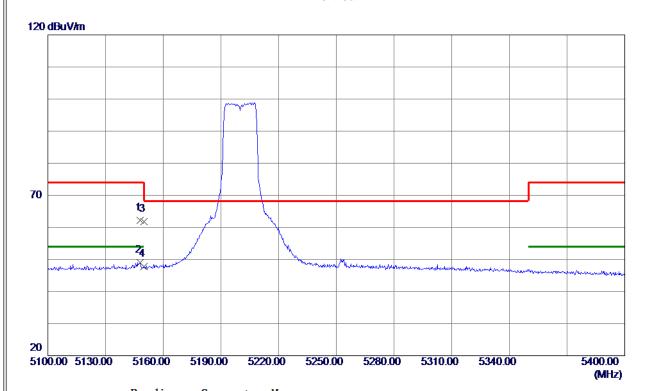


No.	Mł	c. Freq.			Measure- ment	Limit	Margin		
		MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10362.11	47.57	-1.64	45.93	68.30	-22.37	peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



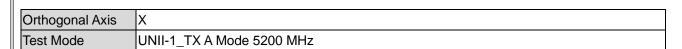


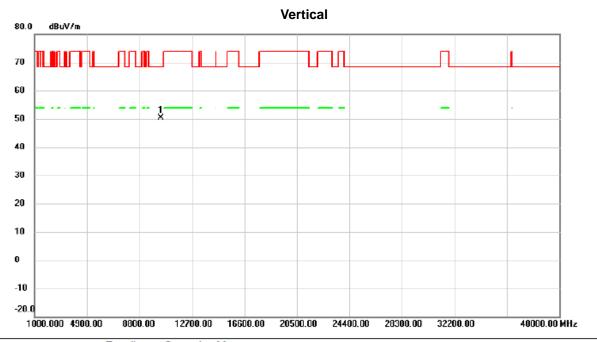


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5147.8500	23. 21	39. 07	62. 28	74.00	-11.72	Peak	
2 *	5147.8500	9. 97	39. 07	49.04	54.00	-4.96	AVG	
3	5150.0000	22.66	39. 07	61.73	74.00	-12. 27	Peak	
4	5150.0000	8. 66	39. 07	47.73	54.00	-6. 27	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





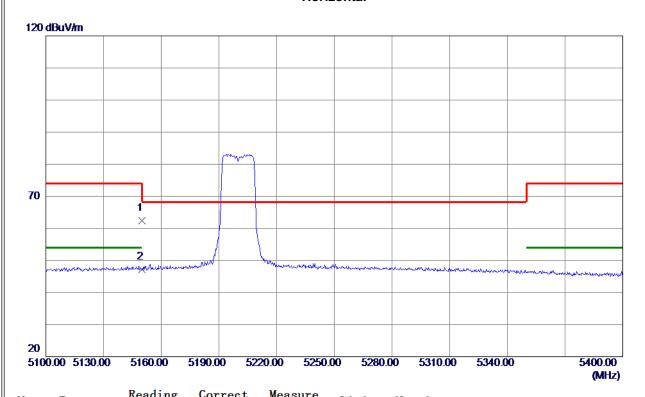


	No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin		
-			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
_	1	*	10409.06	51.99	-1.60	50.39	68.30	-17.91	peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



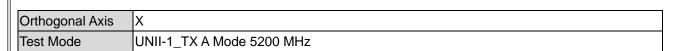
П		
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX A Mode 5200 MHz

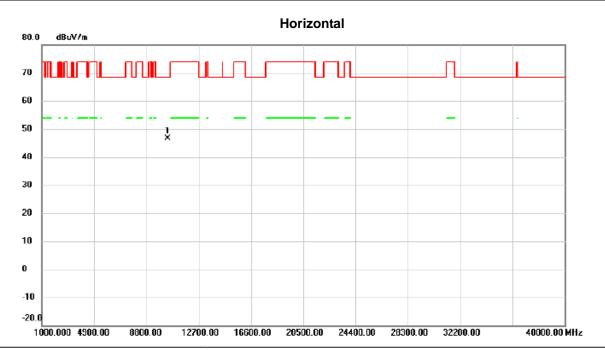


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150. 0000	23. 30	39. 07	62. 37	74.00	-11.63	Peak	
2 *	5150. 0000	8. 10	39. 07	47. 17	54.00	-6.83	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





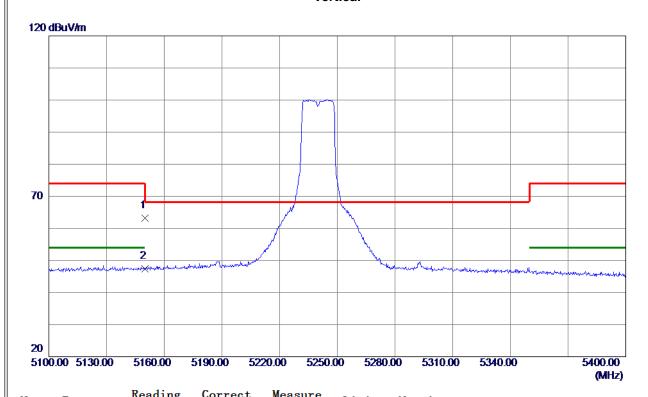


No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1 *	10399.33	48.25	-1.60	46.65	68.30	-21.65	peak		

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



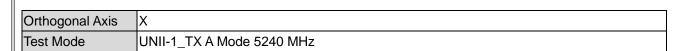
ш		
	Orthogonal Axis	X
	Test Mode	UNII-1_TX A Mode 5240 MHz



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	24. 18	39. 07	63. 25	74.00	-10.75	Peak	
2 *	5150.0000	8. 27	39. 07	47. 34	54.00	-6. 66	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





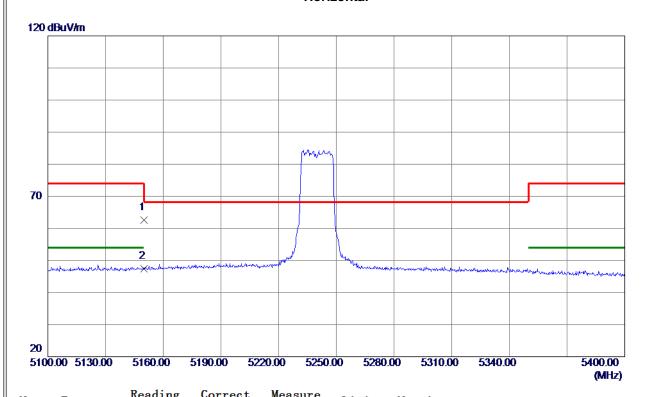


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10477. 1300	51. 0 5	-1. 53	49. 52	68.30	-18.78	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



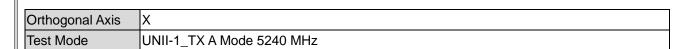
П		
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX A Mode 5240 MHz

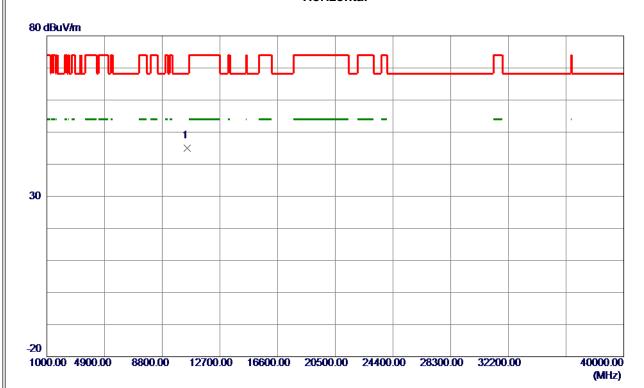


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 61	39. 07	62.68	74.00	-11. 32	Peak	
2 *	5150.0000	8. 34	39. 07	47.41	54.00	-6. 59	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





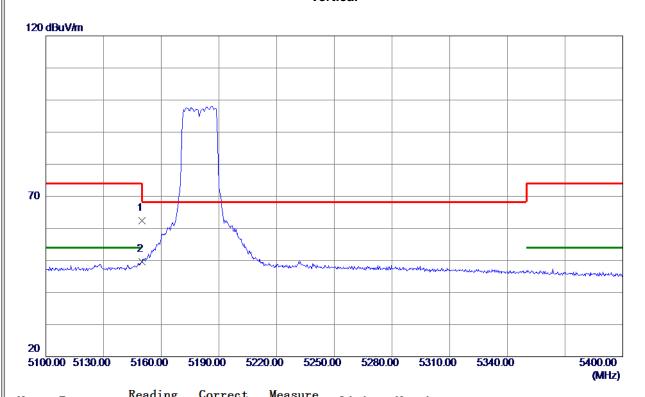


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10472. 5500	46. 63	-1. 54	45. 09	68. 30	-23. 21	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



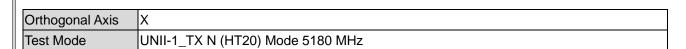
Н		
	Orthogonal Axis	X
	Test Mode	UNII-1_TX N (HT20) Mode 5180 MHz



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 35	39. 07	62.42	74.00	-11.58	Peak	
2 *	5150.0000	10.46	39. 07	49. 53	54.00	-4.47	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





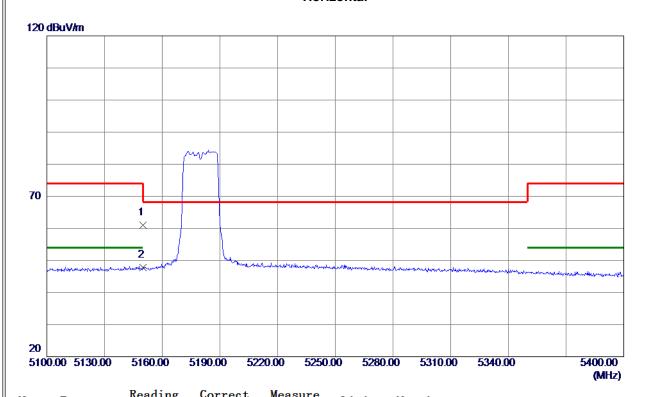


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10361. 5700	50. 53	-1.64	48.89	68. 30	-19.41	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



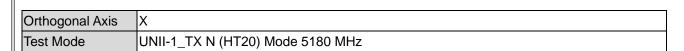
Н		
	Orthogonal Axis	X
	Test Mode	UNII-1_TX N (HT20) Mode 5180 MHz

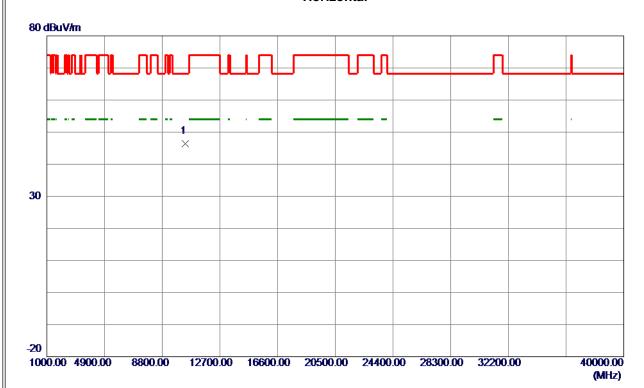


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22. 01	39. 07	61.08	74.00	-12.92	Peak	
2 *	5150.0000	8.72	39. 07	47.79	54.00	-6. 21	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





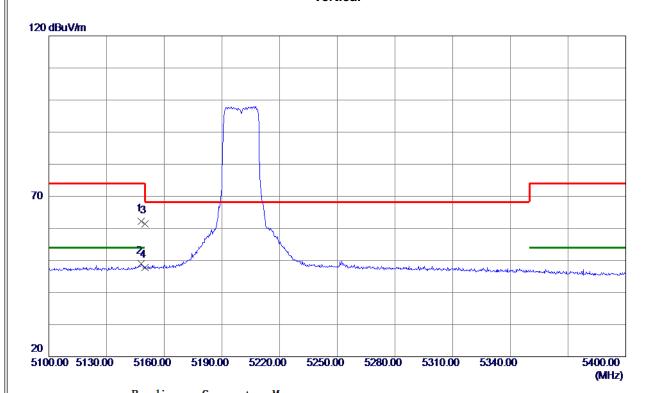


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10365. 1200	48. 02	-1.64	46. 38	68. 30	-21. 92	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



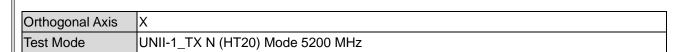
Orthogonal Axis	X
Test Mode	UNII-1 TX N (HT20) Mode 5200 MHz

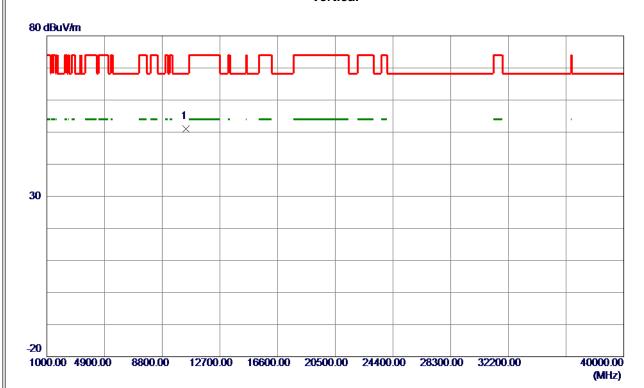


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5148. 1500	23.06	39. 07	62. 13	74.00	-11.87	Peak	
2 *	5148. 1500	10.01	39. 07	49.08	54.00	-4.92	AVG	
3	5150.0000	22.43	39. 07	61.50	74.00	-12.50	Peak	
4	5150. 0000	8. 70	39. 07	47.77	54.00	-6. 23	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





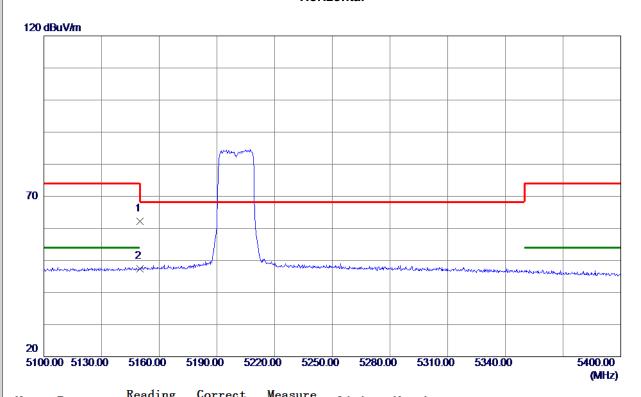


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400. 1920	52. 68	-1.61	51. 07	68. 30	-17. 23	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



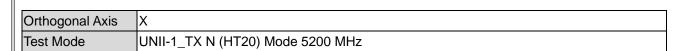
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX N (HT20) Mode 5200 MHz

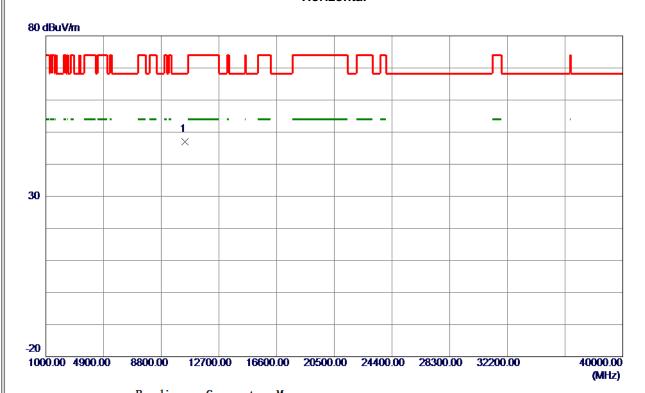


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 16	39. 07	62. 23	74.00	-11.77	Peak	
2 *	5150. 0000	8.42	39. 07	47.49	54.00	-6. 51	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





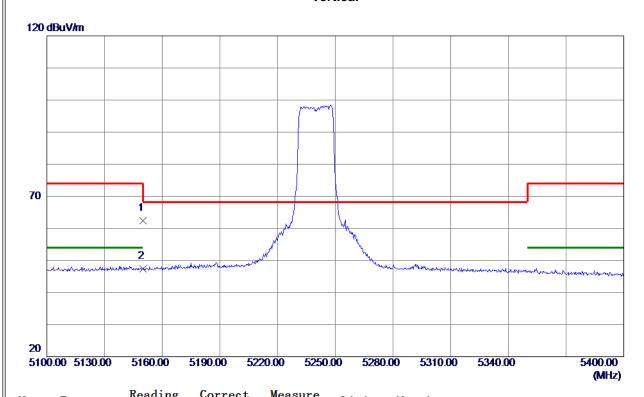


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0850	48.63	-1.61	47.02	68.30	-21. 28	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



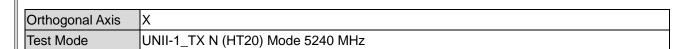
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX N (HT20) Mode 5240 MHz

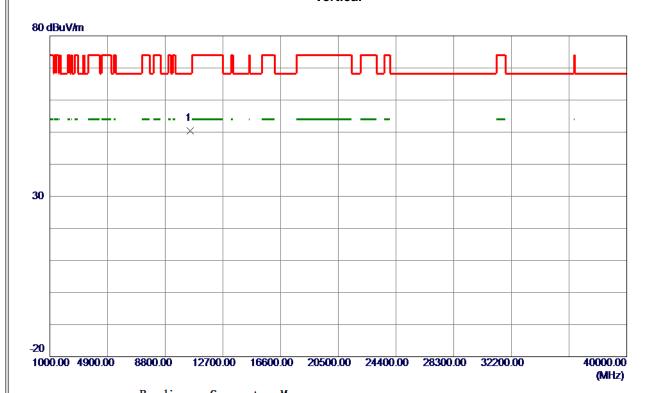


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 42	39. 07	62. 49	74.00	-11.51	Peak	
2 *	5150.0000	8. 26	39. 07	47. 33	54.00	-6. 67	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





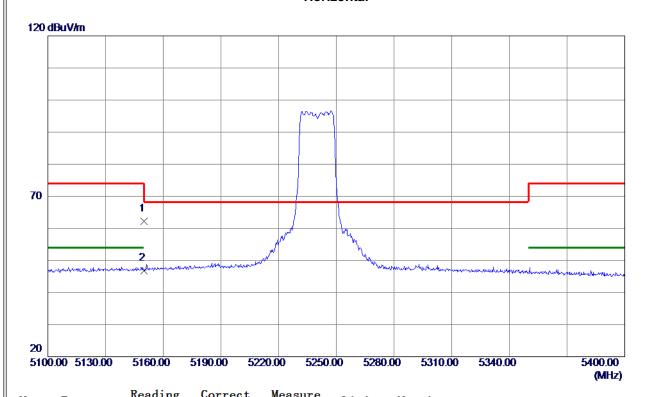


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479. 5170	51. 97	-1.53	50.44	68. 30	-17.86	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



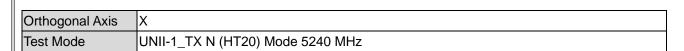
Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT20) Mode 5240 MHz



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 07	39. 07	62. 14	74.00	-11.86	Peak	
2 *	5150.0000	7.71	39. 07	46. 78	54.00	-7. 22	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





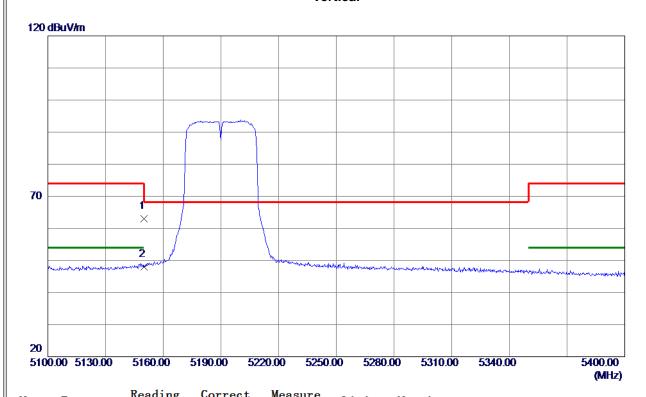


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10478. 0730	48. 90	-1. 53	47. 37	68. 30	-20. 93	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



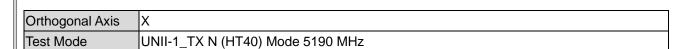
ш		
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX N (HT40) Mode 5190 MHz

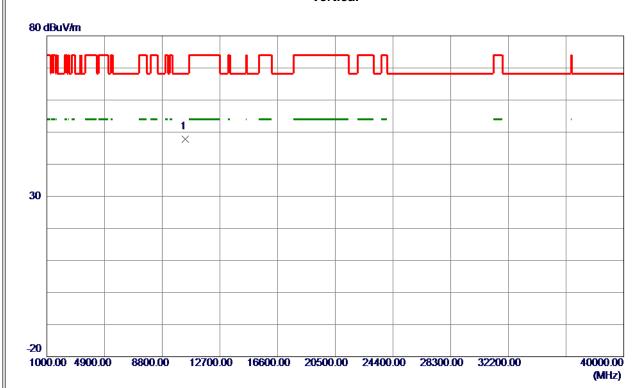


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23.96	39. 07	63. 03	74.00	-10.97	Peak	
2 *	5150.0000	8. 87	39. 07	47.94	54.00	-6. 06	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





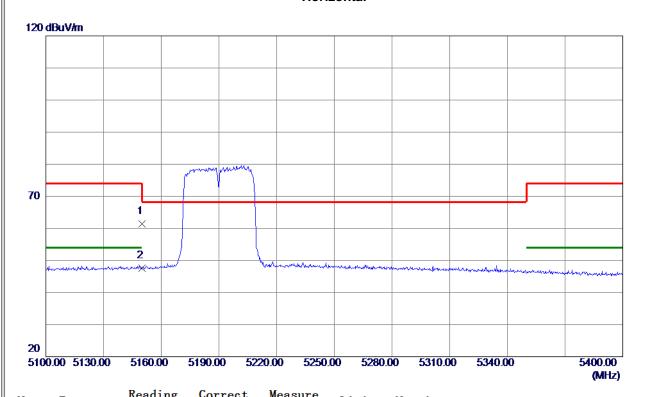


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379. 2100	49.40	-1.63	47.77	68. 30	-20.53	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



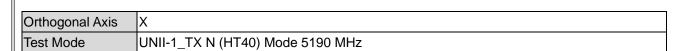
Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT40) Mode 5190 MHz

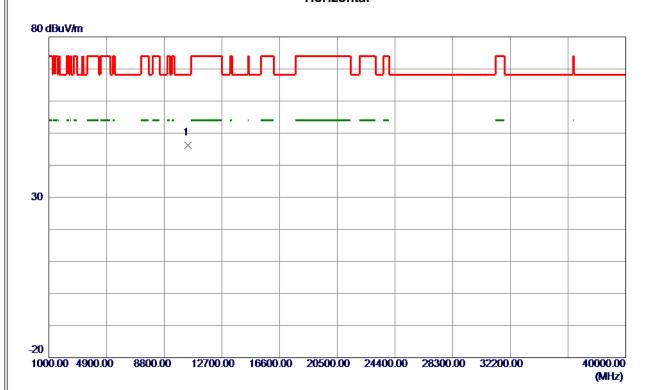


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22. 35	39. 07	61.42	74.00	-12. 58	Peak	
2 *	5150.0000	8. 57	39. 07	47.64	54.00	-6. 36	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





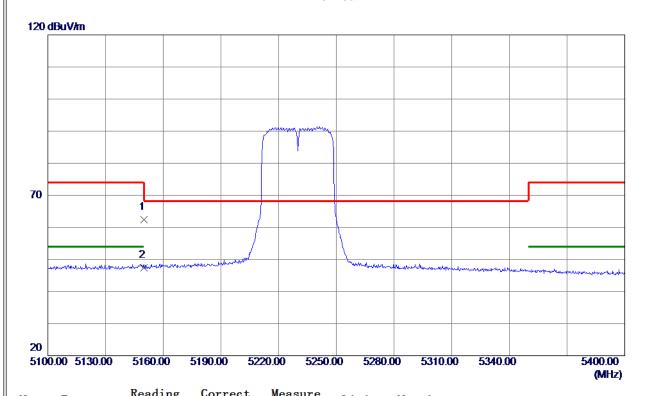


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10384. 3600	47.77	-1.62	46. 15	68. 30	-22. 15	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



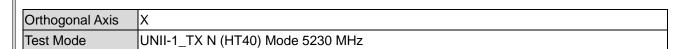
Orthogonal Axis	X
Test Mode	UNII-1_TX N (HT40) Mode 5230 MHz

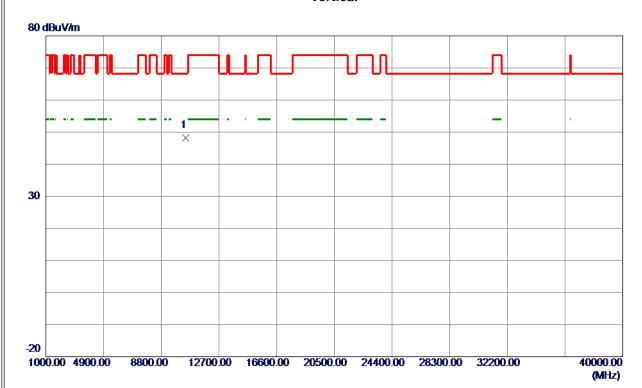


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	23. 31	39. 07	62. 38	74.00	-11.62	Peak	
2 *	5150. 0000	8. 28	39. 07	47. 35	54.00	-6. 65	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





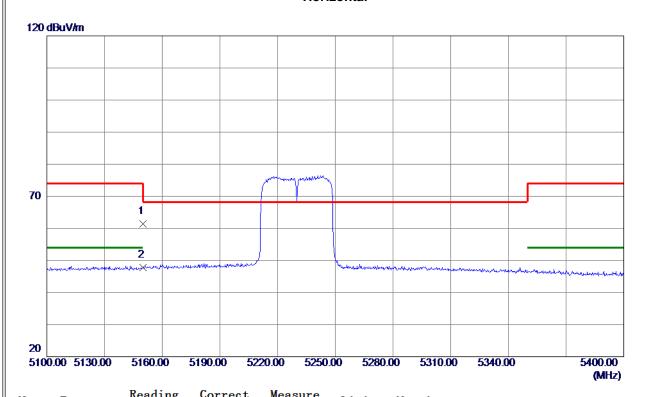


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10459. 6350	49. 76	-1.55	48. 21	68. 30	-20.09	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



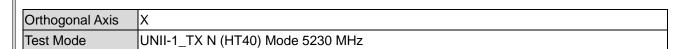
	Orthogonal Axis	X
l	Test Mode	UNII-1_TX N (HT40) Mode 5230 MHz

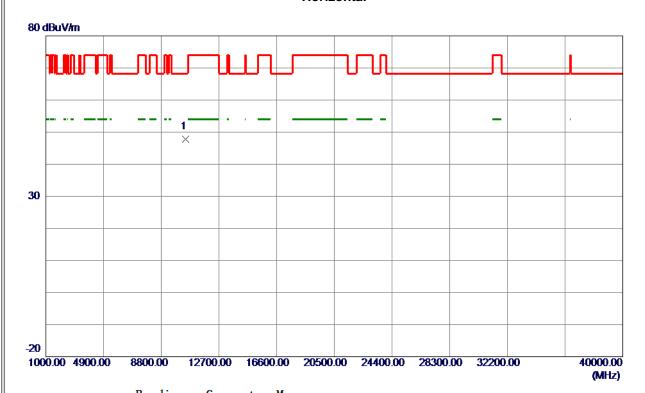


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	22. 28	39. 07	61. 35	74.00	-12.65	Peak	
2 *	5150.0000	8.71	39. 07	47.78	54.00	-6. 22	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





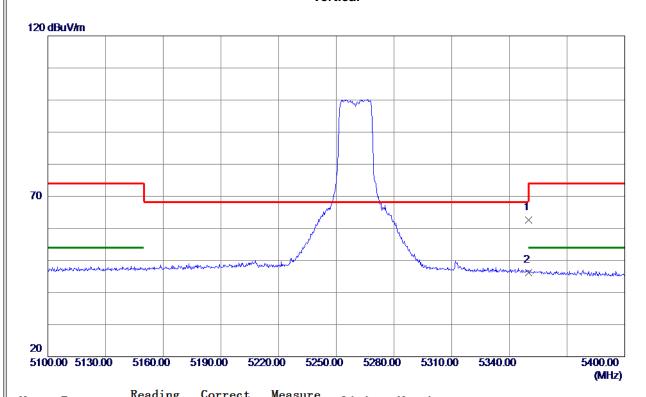


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10457.7350	49. 40	-1.55	47.85	68. 30	-20.45	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



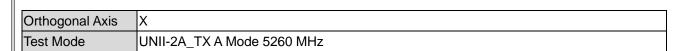
Н		
	Orthogonal Axis	X
	Test Mode	UNII-2A_TX A Mode 5260 MHz



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23. 30	39. 32	62. 62	74.00	-11. 38	Peak	
2 *	5350.0000	6. 88	39. 32	46. 20	54.00	-7.80	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





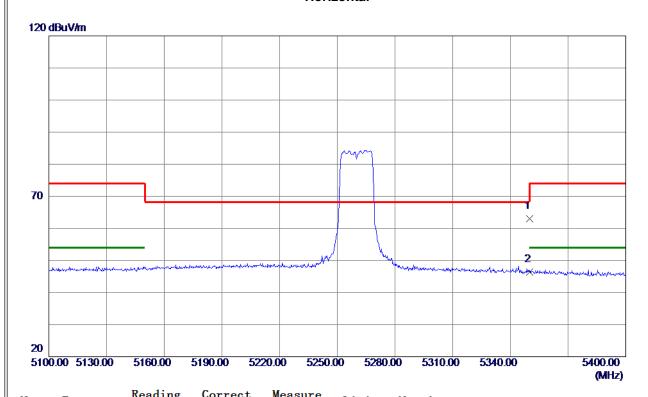


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10520. 3000	51.82	-1.44	50. 38	68. 30	-17.92	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



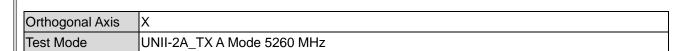
Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5260 MHz

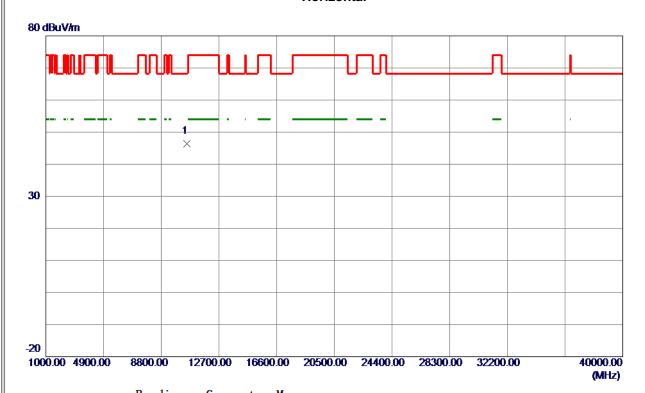


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23. 67	39. 32	62.99	74.00	-11.01	Peak	
2 *	5350.0000	7. 15	39. 32	46. 47	54.00	-7. 53	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





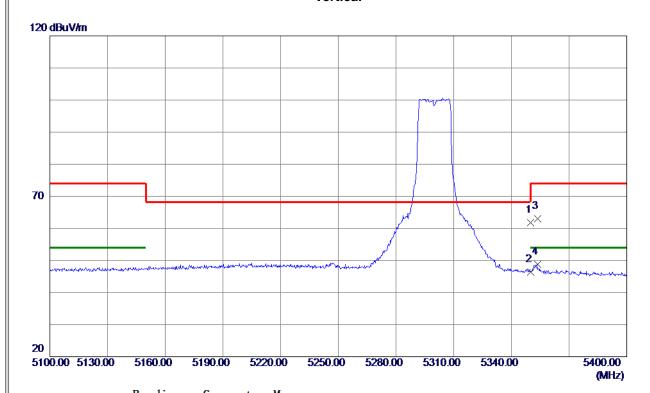


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10519.7150	47.92	-1.44	46.48	68. 30	-21.82	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



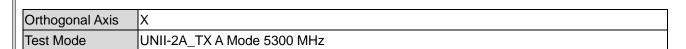
	Orthogonal Axis	X
l	Test Mode	UNII-2A_TX A Mode 5300 MHz

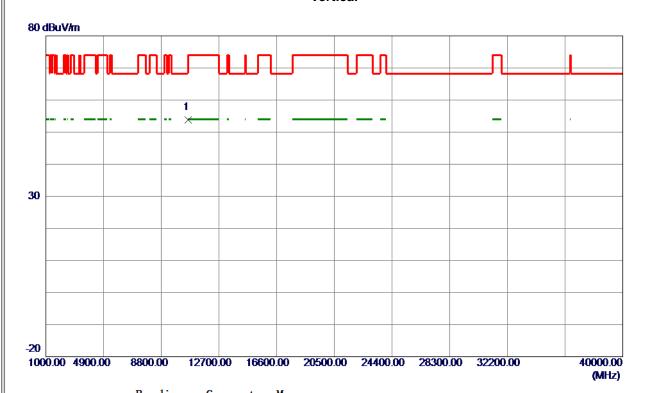


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	22.47	39. 32	61.79	74.00	-12. 21	Peak	
2	5350. 0000	7. 10	39. 32	46. 42	54.00	-7. 58	AVG	
3	5353. 5000	23.66	39. 33	62. 99	74.00	-11.01	Peak	
4 *	5353. 5000	9. 55	39. 33	48.88	54.00	-5. 12	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





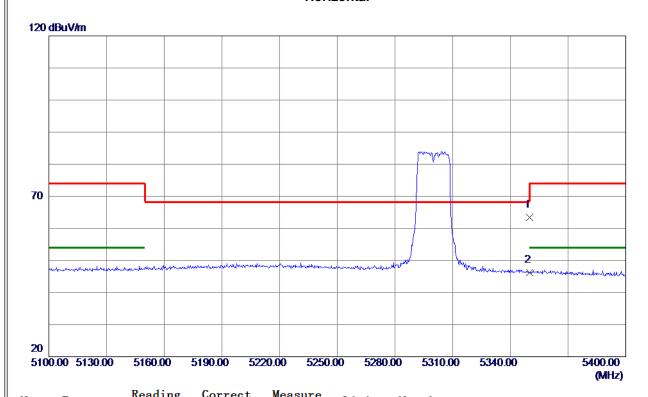


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10598. 5500	54. 99	-1. 16	53. 83	68. 30	-14.47	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



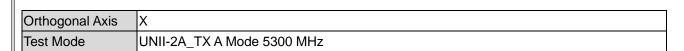
Orthogonal Axis	X
Test Mode	UNII-2A_TX A Mode 5300 MHz

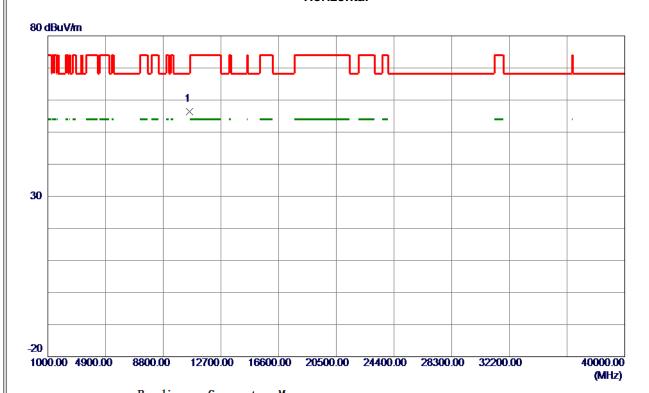


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	24. 17	39. 32	63. 49	74.00	-10.51	Peak	
2 *	5350.0000	6. 90	39. 32	46. 22	54.00	-7. 78	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





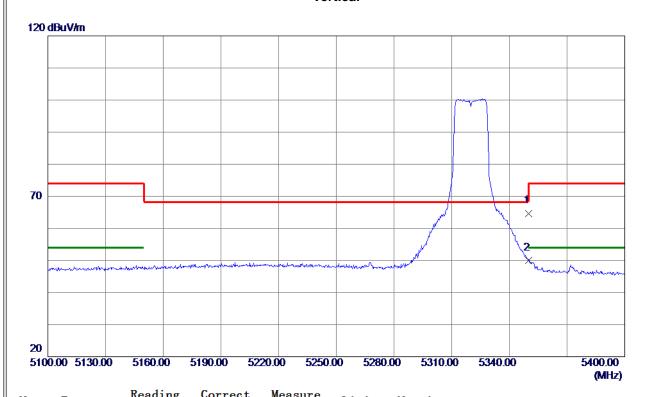


No.	Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10597. 5800	57.47	-1. 16	56. 31	68. 30	-11. 99	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



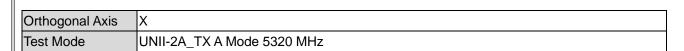
Н		
	Orthogonal Axis	X
	Test Mode	UNII-2A_TX A Mode 5320 MHz

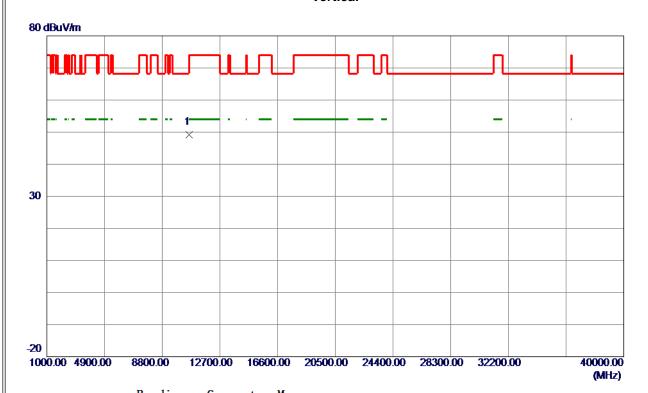


No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	25. 38	39. 32	64.70	74.00	-9. 30	Peak	
2 *	5350.0000	10.75	39. 32	50. 07	54.00	-3.93	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





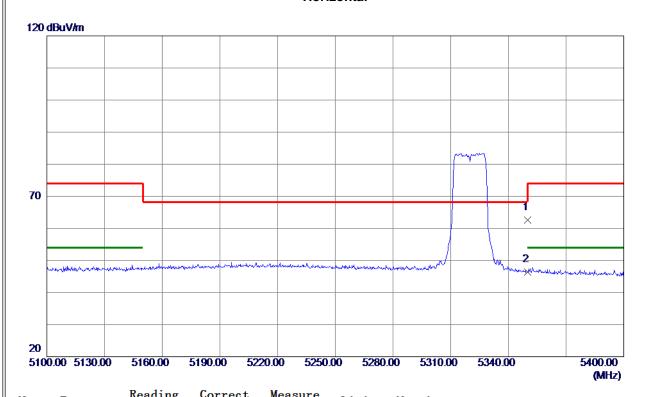


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10640. 1800	50. 14	-1.01	49. 13	74.00	-24.87	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



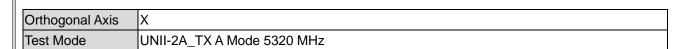
П		
	Orthogonal Axis	X
l	Test Mode	UNII-2A_TX A Mode 5320 MHz

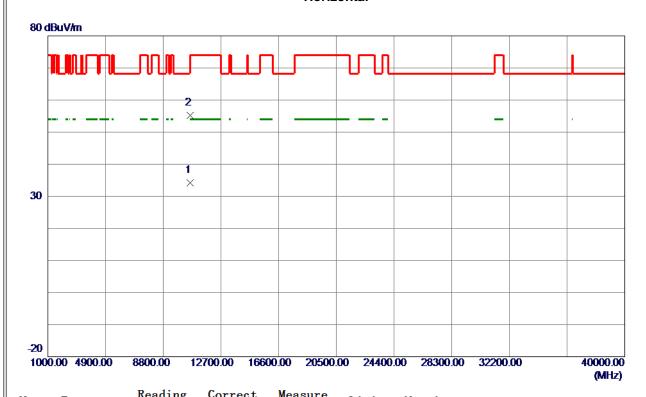


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23. 20	39. 32	62. 52	74.00	-11.48	Peak	
2 *	5350. 0000	7. 07	39. 32	46. 39	54.00	-7.61	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.



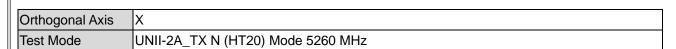


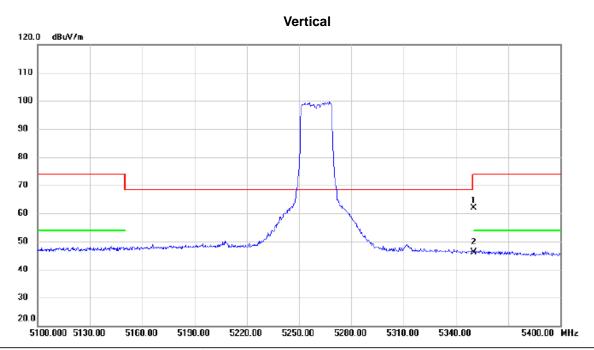


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10640.0700	35. 21	-1.01	34. 20	54.00	-19.80	AVG	
2 *	10641. 2880	56. 15	-1.00	55. 15	74.00	-18.85	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



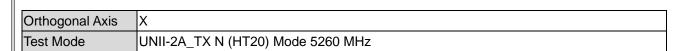


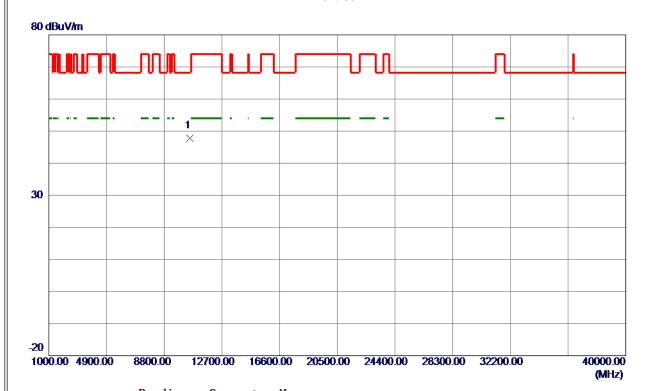


	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	1		5350.000	22.66	39.32	61.98	74.00	-12.02	peak	
-	2	*	5350.000	6.87	39.32	46.19	54.00	-7.81	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



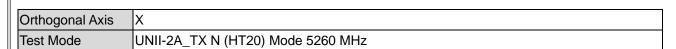


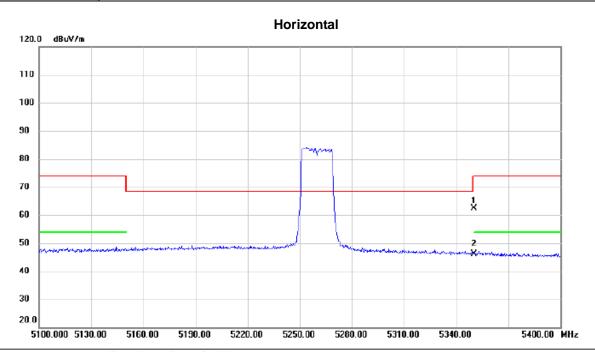


No.	Freq.	Keading Level	Correct Measure Factor ment		Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10519. 7699	49. 32	-1.44	47.88	68. 30	-20.42	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



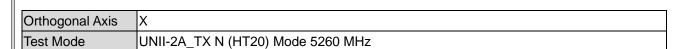




	No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin		
-			MHz	dBu∀	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	1		5350.000	23.09	39.32	62.41	74.00	-11.59	peak	
	2	*	5350.000	6.78	39.32	46.10	54.00	-7.90	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





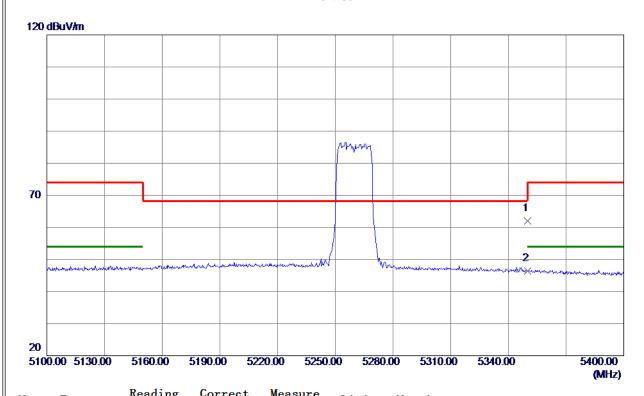


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10526. 4200	47. 58	-1.42	46. 16	68. 30	-22. 14	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



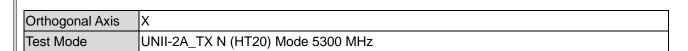
Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT20) Mode 5300 MHz



No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	22.60	39. 32	61. 92	74.00	−12. 08	Peak	
2 *	5350. 0000	7.01	39. 32	46. 33	54.00	-7.67	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





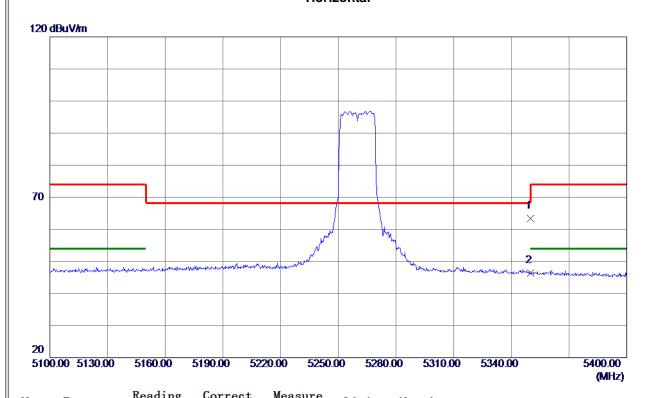


No.	Freq.	Keading Level	Correct Measure Factor ment		Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10598. 6650	57. 11	-1. 16	55. 95	68. 30	-12. 35	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



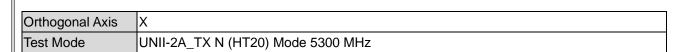
	Orthogonal Axis	X
l	Test Mode	UNII-2A_TX N (HT20) Mode 5300 MHz

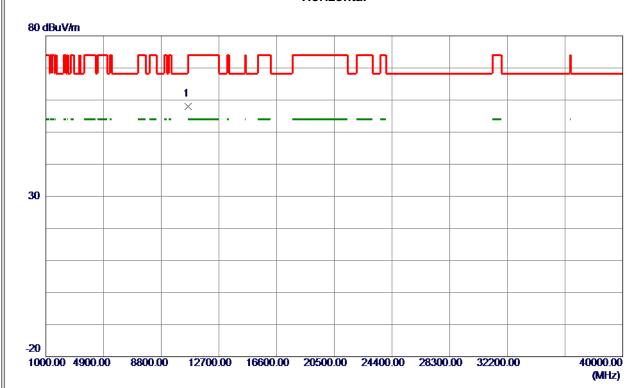


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	24.01	39. 32	63. 33	74.00	-10.67	Peak	
2 *	5350. 0000	7. 17	39. 32	46. 49	54.00	-7.51	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





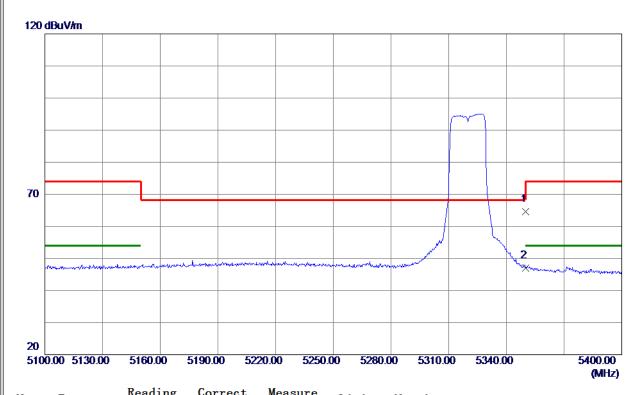


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10600. 5650	59. 23	-1. 15	58 . 0 8	74.00	-15. 92	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



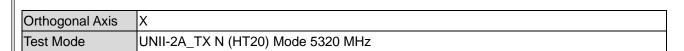
П		
	Orthogonal Axis	X
l	Test Mode	UNII-2A_TX N (HT20) Mode 5320 MHz

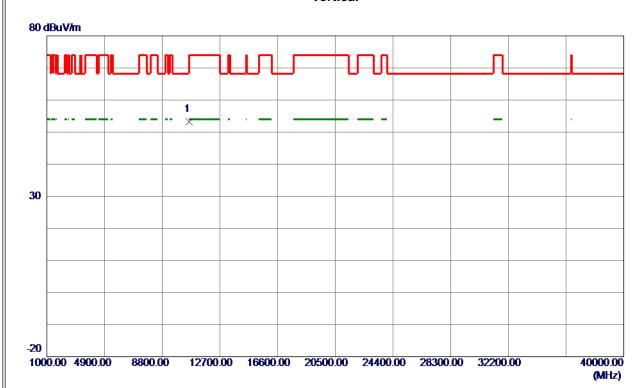


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	25. 24	39. 32	64. 56	74.00	-9.44	Peak	
2 *	5350. 0000	7. 69	39. 32	47.01	54.00	-6. 99	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





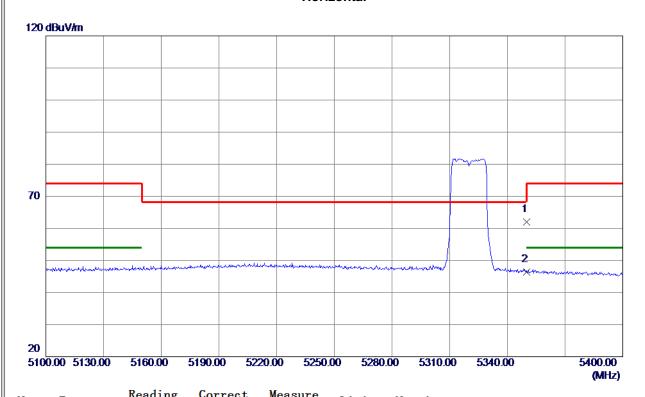


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10641. 0070	54. 12	-1.01	53. 11	74.00	-20.89	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



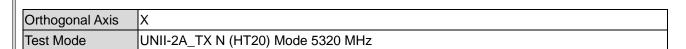
Orthogonal Axis	X
Test Mode	UNII-2A TX N (HT20) Mode 5320 MHz



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	22.76	39. 32	62.08	74.00	-11.92	Peak	
2 *	5350. 0000	7. 09	39. 32	46. 41	54.00	-7. 59	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





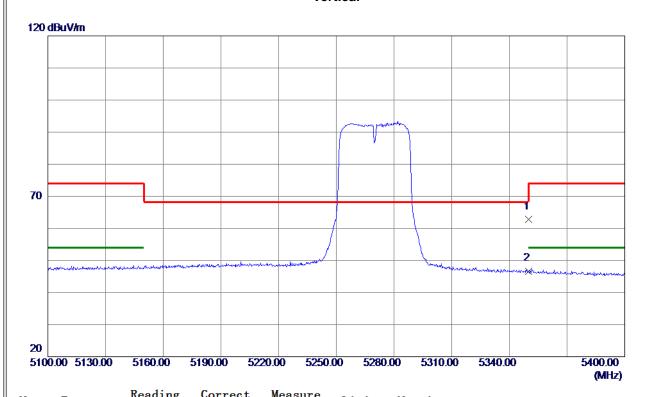


No.	Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10639. 8200	34. 56	-1.01	33. 55	54.00	-20.45	AVG	
2 *	10642. 3580	59. 36	-1.00	58. 36	74.00	-15.64	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



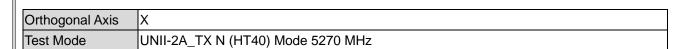
Orthogonal Axis	X X
Test Mode	UNII-2A_TX N (HT40) Mode 5270 MHz

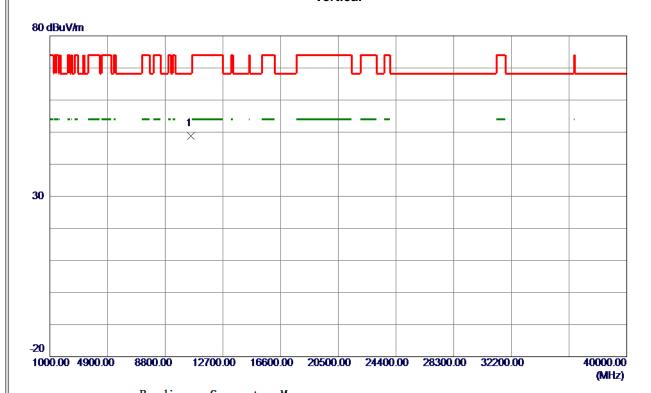


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23.41	39. 32	62.73	74.00	-11. 27	Peak	
2 *	5350. 0000	7. 38	39. 32	46. 70	54.00	-7. 30	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





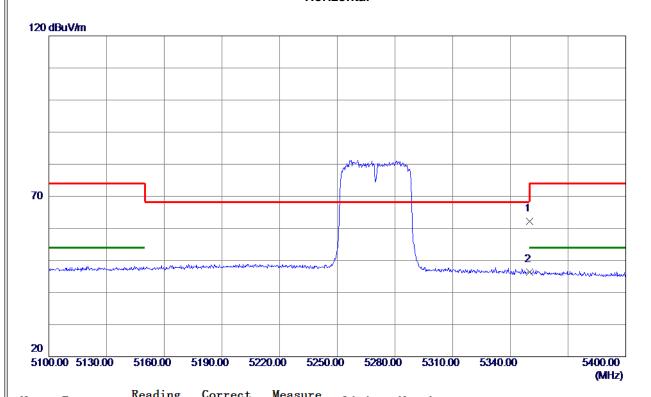


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10539. 5150	50. 10	-1. 37	48.73	68. 30	-19. 57	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



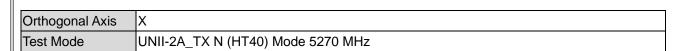
	Orthogonal Axis	X
l	Test Mode	UNII-2A_TX N (HT40) Mode 5270 MHz

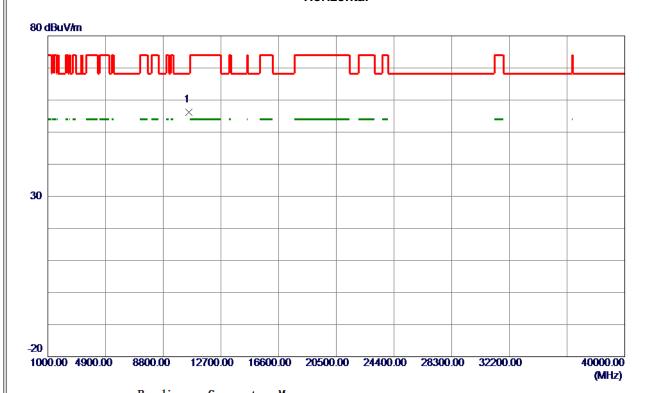


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	22. 96	39. 32	62. 28	74.00	-11.72	Peak	
2 *	5350.0000	7.06	39. 32	46. 38	54.00	-7.62	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





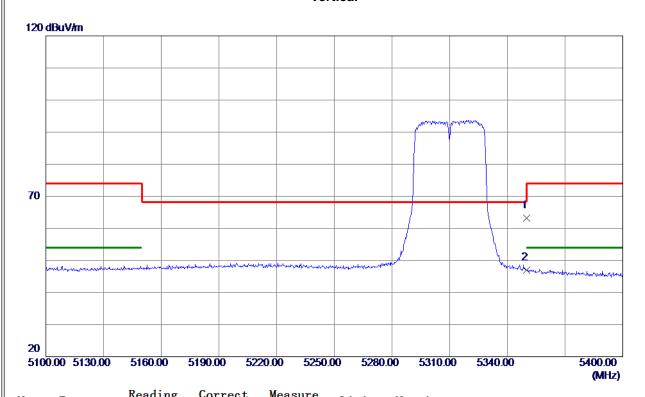


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10542. 1280	57. 51	-1. 36	56. 15	68. 30	-12. 15	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



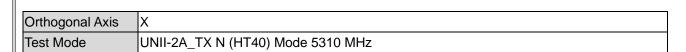
Orthogonal Axis	X X
Test Mode	UNII-2A_TX N (HT40) Mode 5310 MHz

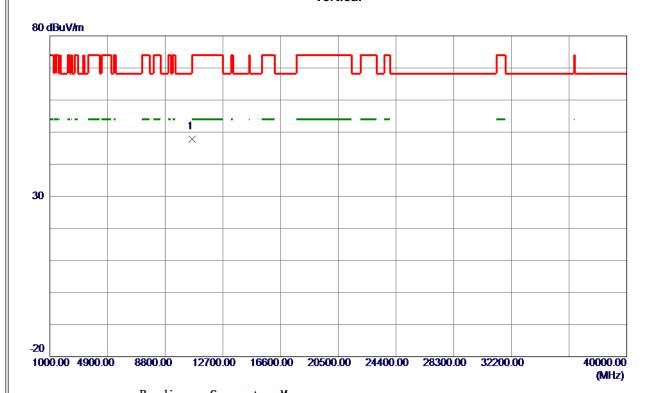


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23. 91	39. 32	63. 23	74.00	-10.77	Peak	
2 *	5350. 0000	7. 69	39. 32	47.01	54.00	-6. 99	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





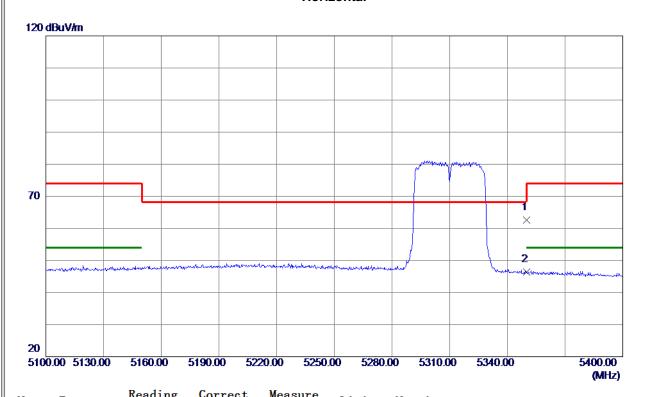


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10620. 2530	48. 83	-1.08	47.75	74.00	-26. 25	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



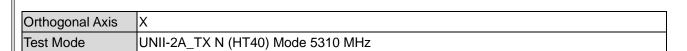
Orthogonal Axis	X
Test Mode	UNII-2A_TX N (HT40) Mode 5310 MHz

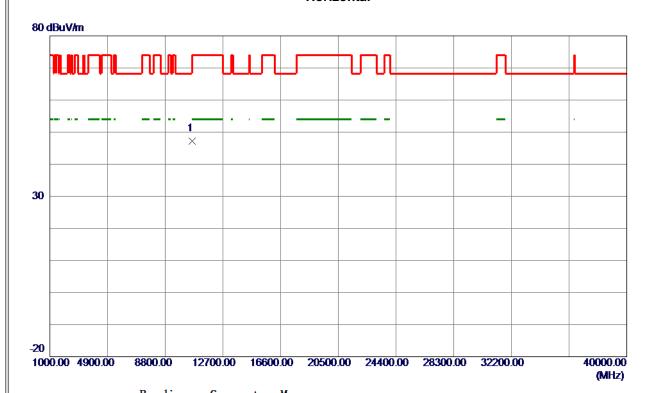


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5350.0000	23. 36	39. 32	62.68	74.00	-11.32	Peak	
2 *	5350. 0000	7.03	39. 32	46. 35	54.00	-7.65	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.





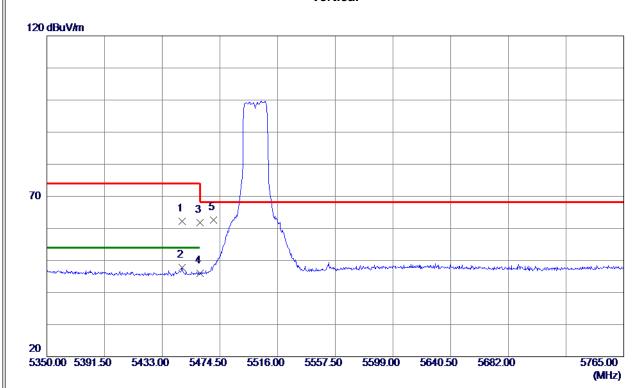


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10617. 5599	48. 36	-1.09	47.27	74.00	-26.73	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



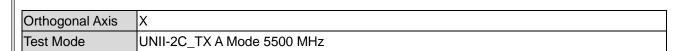
Orthogonal Axis	X
Test Mode	UNII-2C TX A Mode 5500 MHz

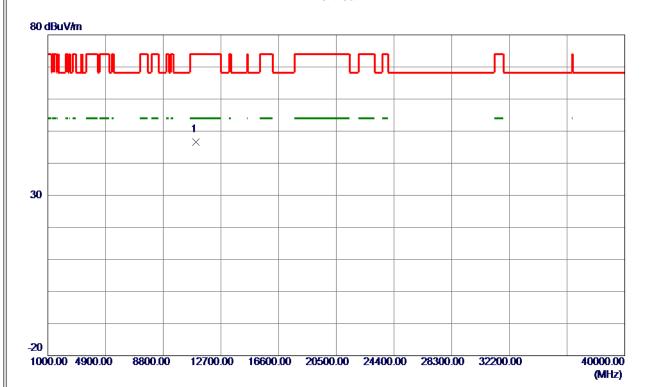


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5447. 1100	22.72	39. 44	62. 16	74.00	-11.84	Peak	
2	5447. 1100	8. 32	39. 44	47.76	54.00	-6. 24	AVG	
3	5460.0000	22. 34	39. 46	61.80	74.00	-12.20	Peak	
4	5460.0000	6.48	39. 46	45. 94	54.00	-8. 06	AVG	
5 *	5470.0000	23. 19	39. 47	62.66	68.30	-5. 64	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





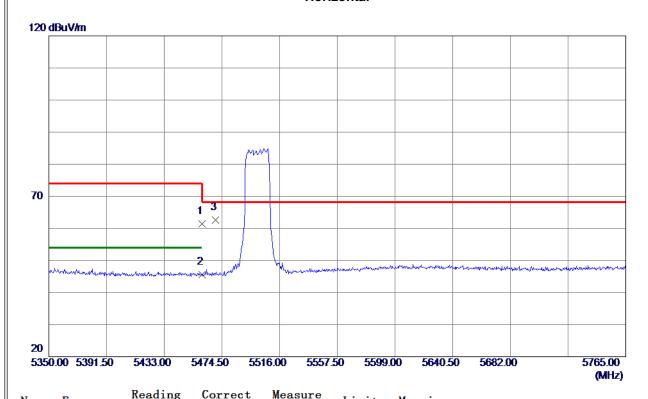


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10990. 4400	46. 26	0. 25	46. 51	74.00	-27.49	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



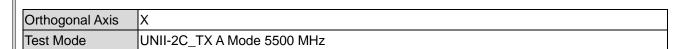
Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5500 MHz

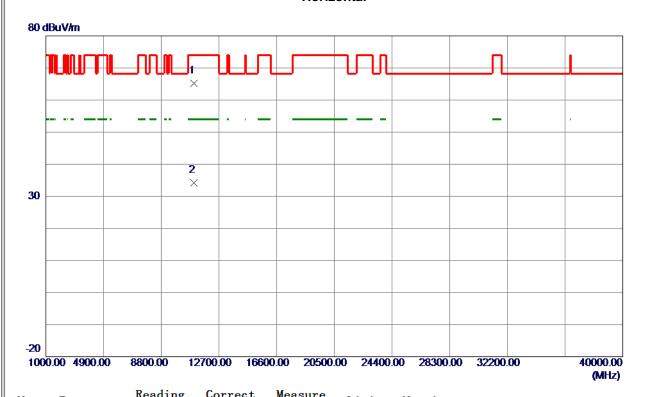


No.	Freq.	Level	Factor	ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	21.87	39. 46	61. 33	74.00	-12.67	Peak	
2	5460.0000	6. 12	39. 46	45. 58	54.00	-8.42	AVG	
3 *	5470.0000	23. 17	39. 47	62. 64	68. 30	-5. 66	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





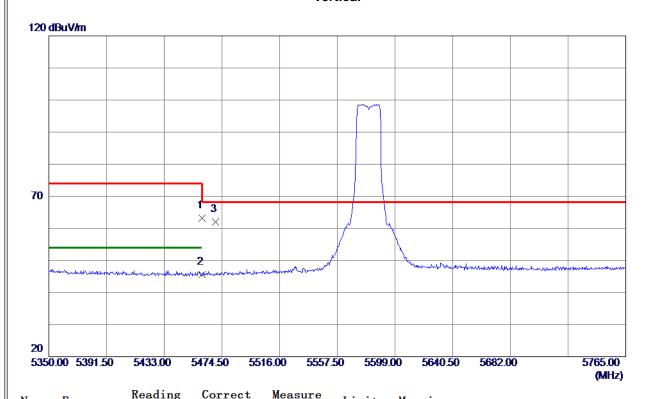


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11002. 5599	65. 01	0. 28	65. 29	74.00	-8.71	Peak	
2	11008. 4600	33. 96	0. 27	34. 23	54.00	-19.77	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



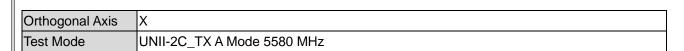
L		
		X
	Test Mode	UNII-2C_TX A Mode 5580 MHz

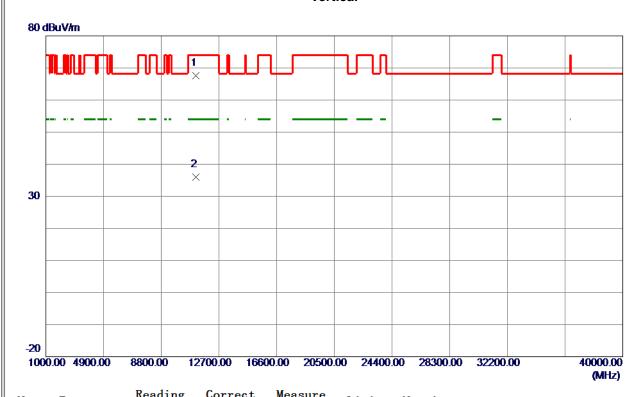


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23.71	39. 46	63. 17	74.00	-10.83	Peak	
2	5460.0000	6. 23	39. 46	45. 69	54.00	-8. 31	AVG	
3 *	5470.0000	22. 60	39. 47	62. 07	68. 30	-6. 23	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





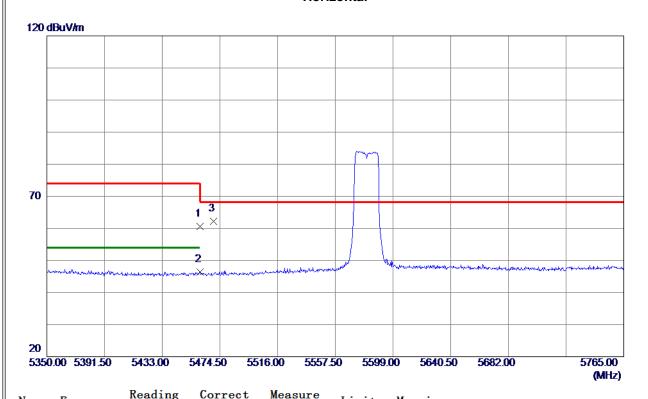


No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11156. 5599	67.44	0. 07	67. 51	74.00	-6. 49	Peak	
2	11160. 0199	35. 95	0. 07	36. 02	54.00	-17.98	AVG	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



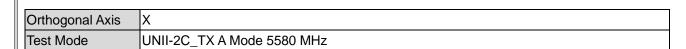
Orthogonal Axis	X
Test Mode	UNII-2C_TX A Mode 5580 MHz

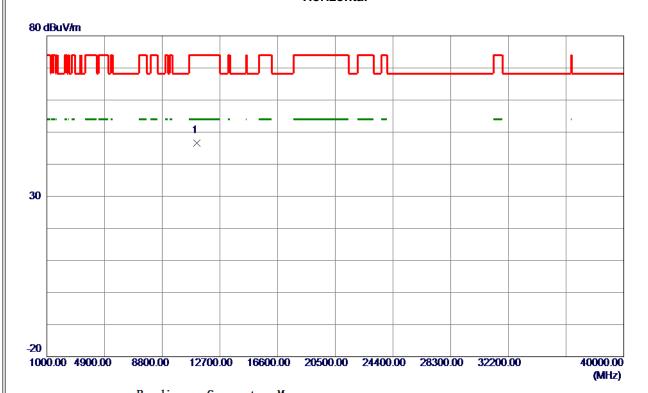


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	21. 13	39. 46	60. 59	74.00	-13.41	Peak	
2	5460. 0000	7.00	39. 46	46. 46	54.00	-7.54	AVG	
3 *	5470.0000	22.73	39. 47	62. 20	68. 30	-6. 10	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



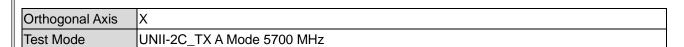


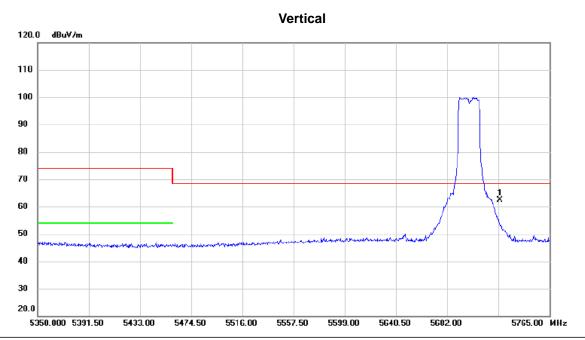


No.	Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11152. 3200	46. 50	0.08	46. 58	74.00	-27.42	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



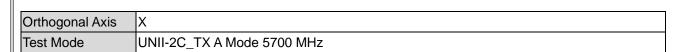




No.	MI	k. Freq.		Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5725.000	22.45	40.05	62.50	68.30	-5.80	peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.





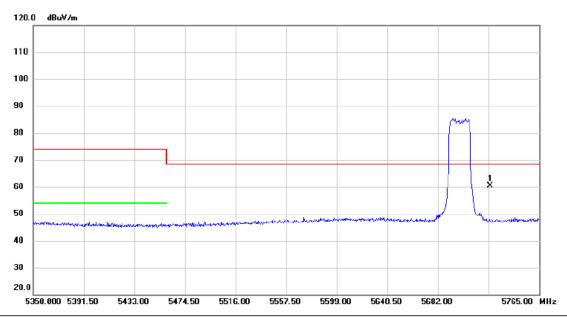


No.	Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11396. 2500	46. 77	-0. 24	46. 53	74.00	-27.47	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



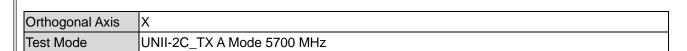
i	
Orthogonal Axis	X
Test Mode	UNII-2C TX A Mode 5700 MHz



No. M	lk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5	725.000	20.31	40.05	60.36	68.30	-7.94	peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





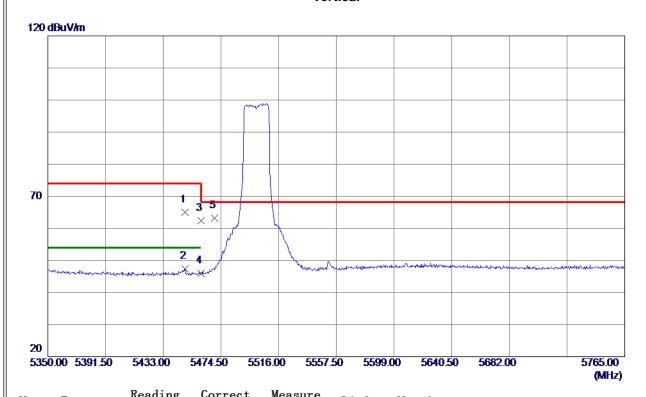


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11390. 1900	45. 66	-0. 24	45. 42	74.00	-28. 58	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



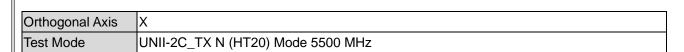
Orthogonal Axis	X X
Test Mode	UNII-2C_TX N (HT20) Mode 5500 MHz

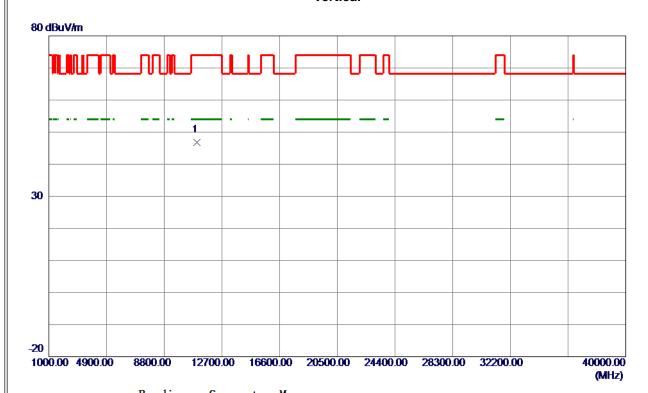


No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5448. 5630	25. 63	39. 45	65.08	74.00	-8.92	Peak	
2	5448. 5630	7. 97	39. 45	47.42	54.00	-6. 58	AVG	
3	5460.0000	22.89	39. 46	62. 35	74.00	-11.65	Peak	
4	5460.0000	6. 50	39. 46	45. 96	54.00	-8. 04	AVG	
5 *	5470.0000	23. 67	39. 47	63. 14	68.30	-5. 16	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





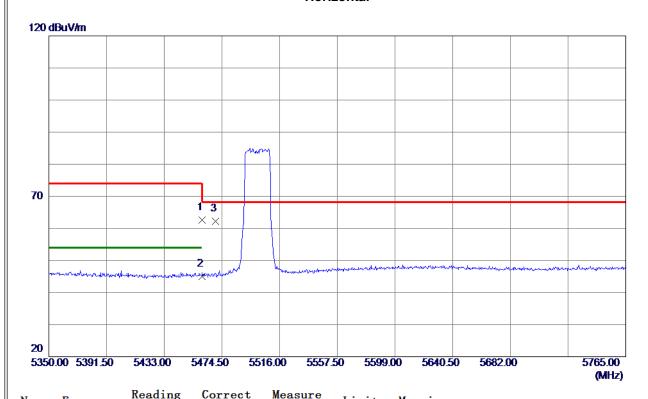


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11003.6300	46. 49	0.28	46.77	74.00	-27.23	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



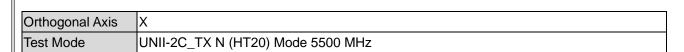
Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5500 MHz

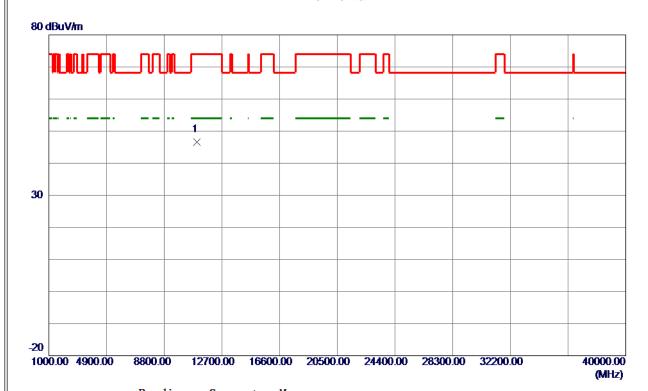


No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5460.0000	23. 09	39. 46	62. 55	74.00	-11.45	Peak	
2	5460.0000	5. 56	39. 46	45. 02	54.00	-8. 98	AVG	
3 *	5470.0000	22.74	39. 47	62. 21	68.30	-6. 09	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





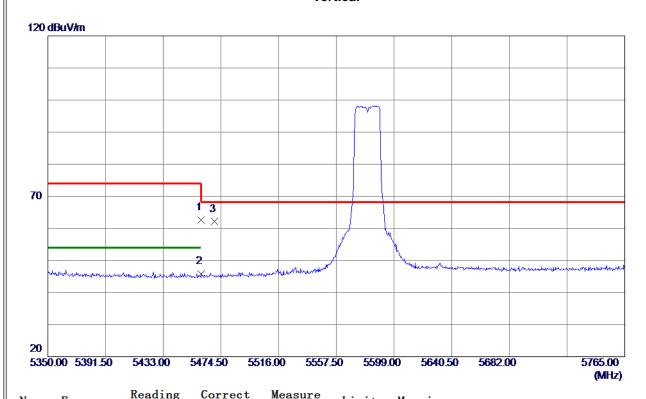


No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10999. 5350	46. 36	0. 28	46.64	74.00	-27. 36	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



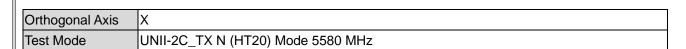
Orthogonal Axis	X
Test Mode	UNII-2C_TX N (HT20) Mode 5580 MHz

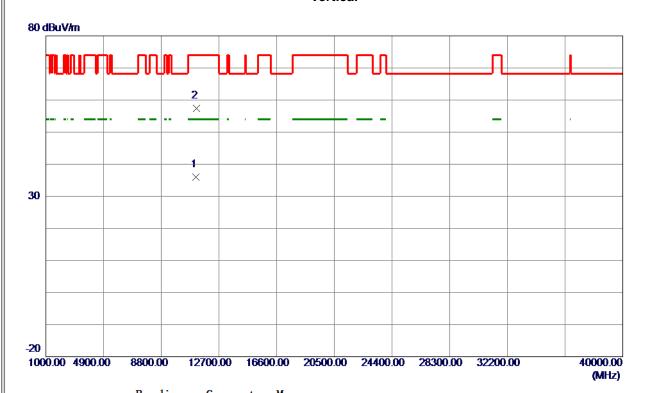


Freq.	Level	Factor	ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
5460.0000	23.08	39.46	62. 54	74.00	-11.46	Peak	
5460.0000	6. 27	39. 46	45.73	54.00	-8. 27	AVG	
5470.0000	22. 63	39. 47	62. 10	68. 30	-6. 20	Peak	
	MHz 5460. 0000 5460. 0000	Freq. Level	MHz dBuV/m dB 5460.0000 23.08 39.46 5460.0000 6.27 39.46	MHz dBuV/m dB dBuV/m 5460.0000 23.08 39.46 62.54 5460.0000 6.27 39.46 45.73	MHz dBuV/m dB dBuV/m dBuV/m 5460.0000 23.08 39.46 62.54 74.00 5460.0000 6.27 39.46 45.73 54.00	MHz dBuV/m dB dBuV/m dB dBuV/m dB dBuV/m dB dBuV/m dB dB	MHz dBuV/m dB dBuV/m dBuV/m dB Detector 5460.0000 23.08 39.46 62.54 74.00 -11.46 Peak 5460.0000 6.27 39.46 45.73 54.00 -8.27 AVG

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.







No.	Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11159. 9200	35. 99	0. 07	36. 06	54.00	-17.94	AVG	
2 *	11161.7200	57. 37	0. 07	57.44	74.00	-16. 56	Peak	

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.