

## ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

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## INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART E REQUIREMENT

	OF
Applicant:	BitaTek Co., Ltd.
	6F., No. 115, Wugong 3rd Rd., Wugu Dist., New Taipei City 248,
	Taiwan.
Product Name:	Frey
Brand Name:	Bitatek
Model No.:	Frey M1-0000, Frey M1-0010
Model Difference:	Frey M1-0000 with GPS, Frey M1-0010 without GPS
FCC ID:	SPYIM0002
Report Number:	ER/2018/10129
FCC Rule Part:	§15.407, Cat: NII
Issue Date:	Feb. 09, 2018
Date of Test:	Jan. 18, 2018~ Jan. 22, 2018
Date of EUT Received:	Jan. 17, 2018

#### We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

The test results of this report relate only to the tested sample identified in this report.

Prepared By:

Allen Isai

Allen Tsai / Engineer

him Chang

Approved By:

Jim Chang / Asst. Manager



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# **Revision History**

Report Number	Revision	Description	Issue Date
ER/2018/10129	Rev.00	Initial creation of document	Feb. 09, 2018

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#### **GENERAL INFORMATION** 1

#### **1.1 Product description**

#### General:

Product Name of Host:	Mobile Com	puters	
Brand Name of Host:	Opticon		
Model No of Host.:	H-28		
Model Difference:	N/A		
Hardware Version:	ES1.1		
Software Version:	N/A		
Scope:	The test report covers the radiated emissions requirements of the standards referenced in the report to allow system level approval of the module in this specific host.		
Class II Permissive change:	Frey INSTALLED IN Mobile Computers		
	3.7Vdc from Rechargeable Li-polymer Battery or 5V & 9V from AC/DC Adapter		
Power Supply:	Battery:	<ol> <li>Model No.: BTBAT2, Supplier: Leung's Communication &amp; Electric Products (Guangzhou) LTD.</li> <li>Model No.: BTBAT1, Supplier: Leung's Communication &amp; Electric Products (Guangzhou) LTD.</li> </ol>	
	Adapter:	Model No.: S018BDV0900200, Supplier: Ten Pao Industrial Co., Ltd.	

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Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology
	5150~5250	4	
а	5250~5350	4	OFDM
a	5470~5725	12	OFDIM
	5725-5850	5	
	5150~5250	4	
n_HT	5250~5350	4	OFDM
ac_VHT 20M	5470~5725	12	OFDIM
	5725-5850	5	
	5150~5250	2	
n_HT	5250~5350	2	OFDM
ac_VHT 40M	5470~5725	5	OFDIM
	5725-5850	2	
	5150~5250	1	
ac_VHT	5250~5350	1	OFDM
80M	5470~5725	2	OFDIM
	5725-5850	1	
Modulation type	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 802.11ac only		
Transition Rate:	802.11 a: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 144.4Mbps 802.11 n_40MHz: 13.5 – 300.0Mbps 802.11 ac_20MHz: 6.5 –173.3Mbps 802.11 ac_40MHz: 13.5 –400.0Mbps 802.11 ac_80MHz: 29.3 – 866.7Mbps		



#### 1.2 Test Methodology of Applied Standards

FCC Part 15, Subpart E §15.407 FCC KDB 789033 D02 General UNII Test Procedures New Rules FCC KDB 644545 D03 Guidance for IEEE 802.11ac ANSI C63.10:2013

#### **1.3 Test Facility**

SGS Taiwan Ltd. Electronics & Communication Laboratory No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803 (TAF code 0513)

FCC Registration Numbers are: 509634 / TW0001

#### **1.4 Special Accessories**

There are no special accessories used while test was conducted.

#### **1.5 Equipment Modifications**

There was no modification incorporated into the EUT.

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#### SYSTEM TEST CONFIGURATION 2

#### 2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### 2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

### 2.3 Test Procedure

### 2.3.1 Radiated Emissions for DTS & DSS

The EUT is a placed on as turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

#### 2.3.2 Radiated Emissions (ERP/EIRP) for PCE

According to measurement procured TIA/EIA 603C, The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna according to the requirements in Section 8 and 13.

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#### 2.4 Configuration of Tested System

#### Fig. 2-1 Radiated Emission Configuration



#### **Table 2-1 Equipment Used in Tested System**

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Data Cable	Power Cord
1.	WLAN Test Software	N/A	N/A	N/A	N/A	N/A
2.	Notebook	Lenovo	L430	R9-X11BG	Shielded	Unshielded

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#### SUMMARY OF TEST RESULTS 3

F	CC Rules	Description Of Test	Result
§	15.407(b)	Undesirable Radiated Emissions	Compliant
	§15.203	Antonno Requirement	Compliant
§	15.407(a)	Antenna Requirement	Compliant

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#### **DESCRIPTION OF TEST MODES** 4

#### 4.1 Operated in U-NII Bands

#### Operated band in 5150 MHz ~5250 MHz:

802.11a / n HT20 Mode, 802.11ac VHT20 Mode			
Channel	Frequency		
36	5180		
40	5200		
44	5220		
48	5240		

802.11 n HT40 Mode, 802.11ac VHT40 Mode			
channel	Frequency		
38	5190		
46	5230		

802.11ac VHT80 Mode		
channel	Frequency	
42	5210	

#### Operated band in 5250 MHz ~5350 MHz:

802.11a / n HT20 Mode, 802.11ac VHT20 Mode			
channel	Frequency		
52	5260		
56	5280		
60	5300		
64	5320		

802.11 n HT40 Mode, 802.11ac VHT40 Mode		
channel Frequency		
54	5270	
62	5310	

802.11ac \	VHT80 Mode
Channel	Frequency
58	5290

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#### Operated band in 5500 MHz ~5700 MHz:

802.11a / n HT20 Mode, 802.11ac VHT20 Mode			
Channel Frequency			
100	5500		
104	5520		
108	5540		
112	5560		
116	5580		
120	5600		
124	5620		
128	5640		
132	5660		
136	5680		
140	5700		

802.11 n HT40 Mode, 802.11ac VHT40 Mode				
channel	Frequency			
102	5510			
110	5550			
118	5590			
126	5630			
134	5670			

802.11ac VHT80 Mode				
channel	Frequency			
106	5530			
122	5610			

#### Operated band in 5745 MHz ~5850 MHz:

802.11a / n HT20 Mode, 802.11ac VHT20 Mode			
Channel	Frequency		
149	5745		
153	5765		
157	5785		
161	5805		
165	5825		

802.11 n HT40 Mode, 802.11ac VHT40 Mode				
channel	Frequency			
151	5755			
159	5795			

802.11ac VHT80 Mode			
channel	Frequency		
155	5775		

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### 4.2 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. Test program used to control the EUT for staying in continuous transmitting mode is programmed.
- 3. Investigation has been done on all the possible configurations for searching the worst case.

### **RADIATED EMISSION TEST:**

RADIATED EMISSION TEST (BELOW 1 GHz)						
MODE	FREQUENCY BAND (MHz)		TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	36,44,48	OFDM	(1010ps) 6	SISO
802.11ac_VHT80		42	42	OFDM	MCS8	SISO
802.11a	5260~5320	52 to 64	52,60,64	OFDM	6	SISO
802.11ac_VHT80	5290	58	58	OFDM	MCS8	SISO
802.11a	5500~5720	100 to 140	100,116,140	OFDM	6	SISO
802.11ac_VHT80	5530~5690	106 to 138	106,122,138	OFDM	MCS8	SISO
802.11a	5745~5825	149 to 165	149,157,165	OFDM	6	SISO
802.11ac_VHT80	5775	155	155	OFDM	MCS8	SISO
	RADI	ATED EMISS	SION TEST (AI	BOVE 1 GHz)	I	
MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5180~5240	36 to 48	26 44 49	OFDM	6	SISO
802.11n_HT20	5160~5240	30 10 40	36,44,48	OFDM	MCS8	SISO
802.11n_HT40	5190~5230	38 to 46	38,46	OFDM	MCS8	SISO
802.11ac_VHT80	5210	42	42	OFDM	MCS8	SISO
802.11a	5260~5320	52 to 64	52,60,64	OFDM	6	SISO
802.11n_HT20	5200~5320	52 10 64	52,00,04	OFDM	MCS8	SISO
802.11n_HT40	5270~5310	54 to 62	54,62	OFDM	MCS8	SISO
802.11ac_VHT80	5290	58	58	OFDM	MCS8	SISO

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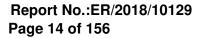


MODE	FREQUENCY BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11a	5500~5720	100 to 111	100,116,140	OFDM	6	SISO
802.11n_HT20	5500~5720	100 to 144	100,110,140	OFDM	MCS8	SISO
802.11n_HT40	5510~5710	102 to 142	102,110,134	OFDM	MCS8	SISO
802.11ac_VHT80	5530~5610	106 to 122	106,122	OFDM	MCS8	SISO
802.11a	5745~5825	140 to 165	149,157,165	OFDM	6	SISO
802.11n_HT20	5745~5625	149 to 165	149,157,105	OFDM	MCS8	SISO
802.11n_HT40	5755~5795	151 to 159	151,159	OFDM	MCS8	SISO
802.11ac_VHT80	5775	155	155	OFDM	MCS8	SISO

#### Note:

The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for 802.11a/n/ac WLAN Transmitter for channel Low, Mid and High, the worst case H position was reported.

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#### **MEASUREMENT UNCERTAINTY** 5

Radiated Spurious Emission:

Measurement uncertainty (Polarization : <b>Vertical</b> )	9kHz – 30MHz: +/- 2.87 dB		
	30MHz - 180MHz: +/- 3.37dB		
	180MHz -417MHz: +/- 3.19dB		
	0.417GHz-1GHz: +/- 3.19dB		
	1GHz - 18GHz: +/- 4.04dB		
	18GHz - 40GHz: +/- 4.04dB		

Measurement uncertainty (Polarization : <b>Horizontal</b> )	9kHz – 30MHz: +/- 2.87 dB		
	30MHz - 167MHz: +/- 4.22dB		
	167MHz -500MHz: +/- 3.44dB		
	0.5GHz-1GHz: +/- 3.39dB		
	1GHz - 18GHz: +/- 4.08dB		
	18GHz - 40GHz: +/- 4.08dB		

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



#### **RADIATED SPURIOUS EMISSION MEASUREMENT** 6

#### 6.1 Measurement Equipment Used:

SGS SAC-III							
Name of	MFR	MODEL	SERIAL	LAST	CAL DUE.		
Equipment		NUMBER	NUMBER	CAL.			
Bi-log Antenna	SCHWAZBECK	VULB9168	378	2017/12/29	2018/12/28		
Horn Antenna	Schwarzbeck	BBHA9120D	1441	2017/08/04	2018/08/03		
Horn Antenna	Schwarzbeck	BBHA9170	184	2017/12/12	2018/12/11		
Loop Antenna	ETS.LINDGREN	6502	148045	2017/09/26	2018/09/25		
Spectrum Analyzer	Agilent	E4446A	MY51100003	2017/05/10	2018/05/09		
EMI Test Receiver	R&S	ESCI7	100760	2017/06/06	2018/06/05		
Pre-Amplifier	HP	8449B	3008A00578	2018/01/02	2019/01/01		
Pre-Amplifier	HP	8447D	2944A07676	2018/01/02	2019/01/01		
Pre-Amplifier	EMC Instru- ments Corp.	EMC0126530	980038	2018/01/02	2019/01/01		
Attenuator	Mini-Circuit	BW-S10W2+	3	2018/01/02	2019/01/01		
Filter 5150-5350 MHz	Micro-Tronics	BRM50703	1	2018/01/02	2019/01/01		
Filter 5470-5725 MHz	Micro-Tronics	BRM50704	1	2018/01/02	2019/01/01		
Filter 5725-5875 MHz	Micro-Tronics	BRM50705	1	2018/01/02	2019/01/01		
Low Loss Cable	Huber Suhner	966_RX	9	2018/01/02	2019/01/01		

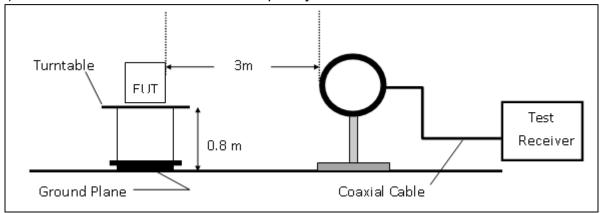
NOTE: N.C.R refers to Not Calibrated Required.

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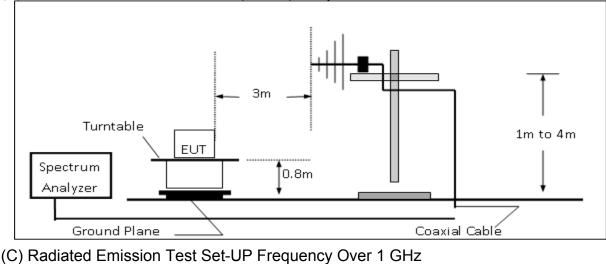


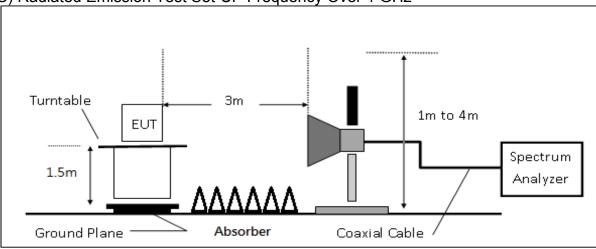
### 6.2 Test SET-UP

(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



### (B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz





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#### **6.3 Measurement Procedure**

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules . 2.
- The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequen-3. cy> 1GHz above ground plane.
- The turn table shall rotate 360 degrees to determine the position of maximum emission 4. level.
- 5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency 7. above 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 8. 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
- 9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 11. Repeat above procedures until all frequency measured were complete.

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### 6.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

#### FS = RA + AF + CL - AG

Where	5	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

Actual FS(dB $\mu$ V/m) = SPA. Reading level(dB $\mu$ V) + Factor(dB)

Factor(dB) = Antenna Factor(dBµV/m) + Cable Loss(dB) – Pre Amplifier Gain(dB)

#### Note :

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

#### 6.5 Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

#### 6.6 Measurement Result

Refer to attach tabular data sheets.

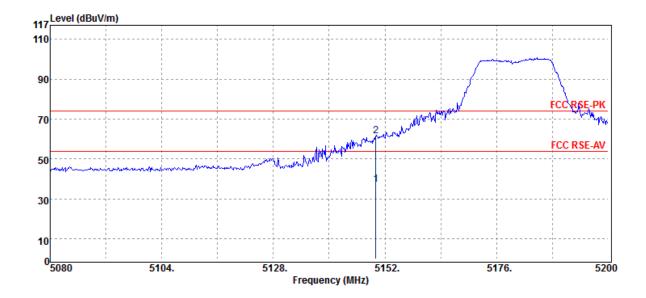
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#### 6.6.1 Bandedge Measurement Result

Fundamental Frequency:5180 MHzTemp./Humi.:23 deg_C / 62 RHOperation Mode:Bandedge CH LOWEngineer:TinEUT Pol.:H PlaneMeasurement Antenna Pol.:VERTICAL	Operation Mode	:Bandedge CH LOW	Engineer	
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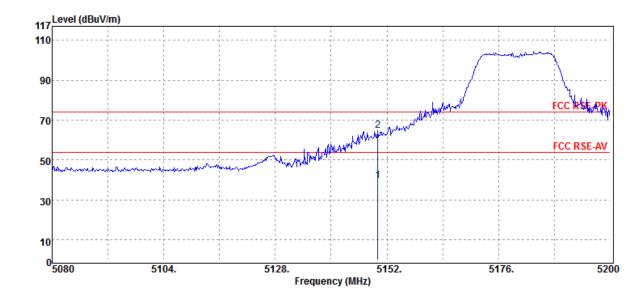
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	31.20	5.88	37.08	54.00	-16.92
5150.00	Е	Peak	55.69	5.88	61.57	74.00	-12.43

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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol. :H Plane

:802.11aB1 :5180 MHz :Bandedge CH LOW Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	33.68	5.88	39.56	54.00	-14.44
5150.00	Е	Peak	58.76	5.88	64.64	74.00	-9.36

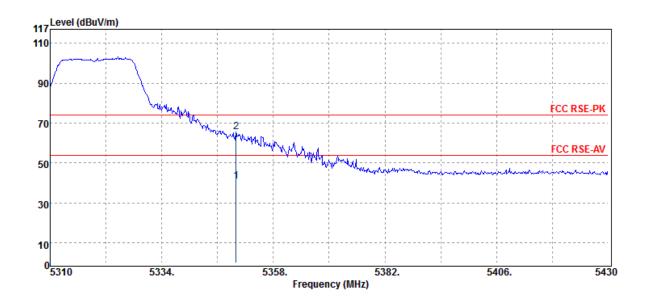
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** :802.11aB2 Fundamental Frequency :5320 MHz **Operation Mode** :Bandedge CH HIGH EUT Pol. :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	34.72	6.16	40.88	54.00	-13.12
5350.00	Е	Peak	59.62	6.16	65.78	74.00	-8.22

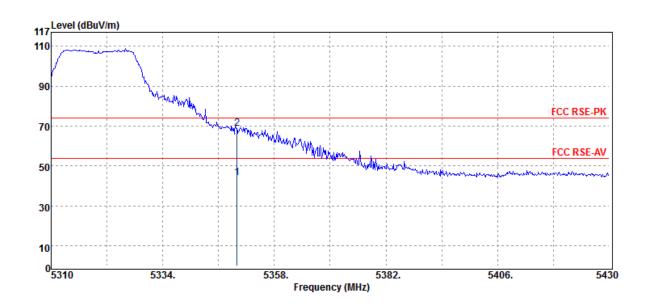
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** :802.11aB2 Fundamental Frequency :5320 MHz **Operation Mode** :Bandedge CH HIGH EUT Pol. :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	38.05	6.16	44.21	54.00	-9.79
5350.00	Е	Peak	62.49	6.16	68.65	74.00	-5.35

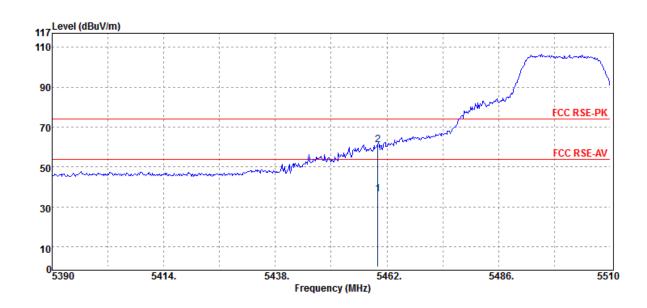
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol. :H Plane

:802.11aB3 :5500 MHz :Bandedge CH LOW Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	30.13	6.23	36.36	54.00	-17.64
5460.00	Е	Peak	54.75	6.23	60.98	74.00	-13.02

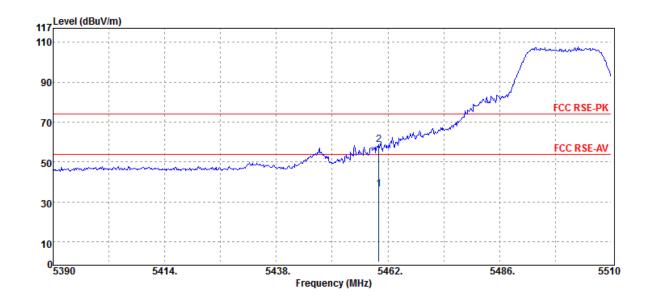
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** :802.11aB3 Fundamental Frequency :5500 MHz **Operation Mode** :Bandedge CH LOW EUT Pol. :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	30.22	6.23	36.45	54.00	-17.55
5460.00	Е	Peak	52.51	6.23	58.74	74.00	-15.26

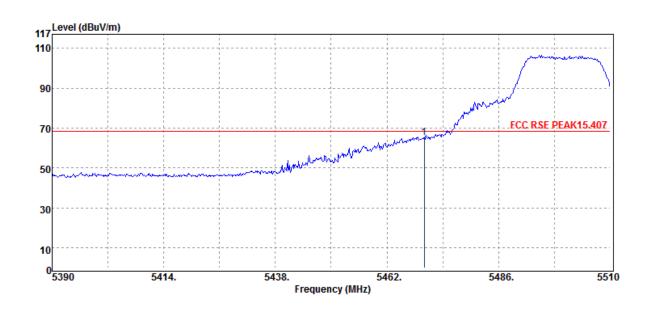
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB3 :5500 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	58.95	6.26	65.21	68.30	-3.09

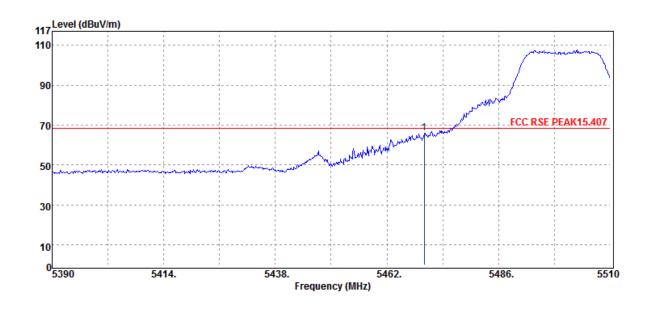
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB3 :5500 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	59.89	6.26	66.15	68.30	-2.15

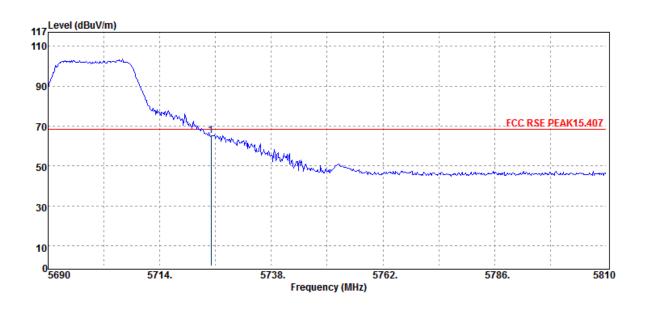
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** :802.11aB3 Fundamental Frequency :5700 MHz **Operation Mode** :Bandedge CH HIGH EUT Pol. :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	58.58	6.59	65.17	68.30	-3.13

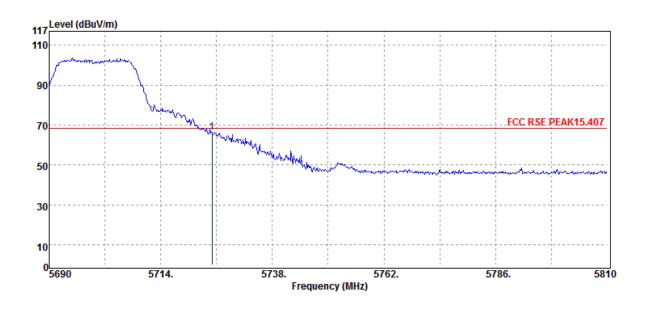
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** :802.11aB3 Fundamental Frequency :5700 MHz **Operation Mode** :Bandedge CH HIGH EUT Pol. :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	59.76	6.59	66.35	68.30	-1.95

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

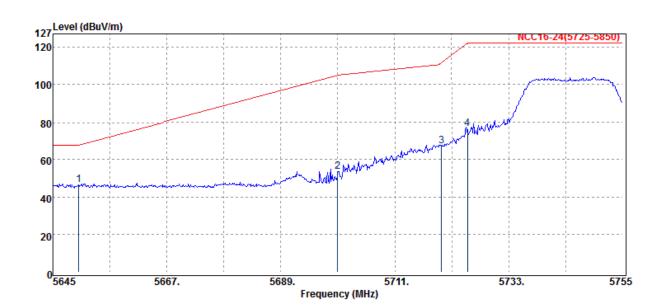
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB4 :5745 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	40.02	6.48	46.50	68.23	-21.73
5700.00	Е	Peak	47.10	6.67	53.77	105.23	-51.46
5720.00	Е	Peak	60.75	6.60	67.35	110.83	-43.48
5725.00	Е	Peak	70.09	6.59	76.68	122.23	-45.55

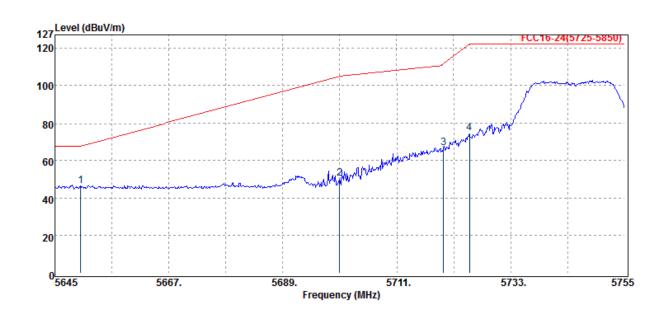
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB4 :5745 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	39.90	6.48	46.38	68.23	-21.85
5700.00	Е	Peak	43.79	6.67	50.46	105.23	-54.77
5720.00	Е	Peak	60.10	6.60	66.70	110.83	-44.13
5725.00	Е	Peak	68.06	6.59	74.65	122.23	-47.58

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

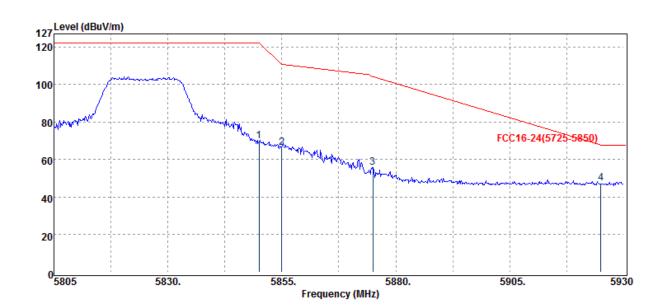
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB4 :5825 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	62.39	7.28	69.67	122.23	-52.56
5855.00	Е	Peak	58.96	7.32	66.28	110.83	-44.55
5875.00	Е	Peak	48.53	7.37	55.90	105.23	-49.33
5925.00	E	Peak	39.91	7.39	47.30	68.23	-20.93

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

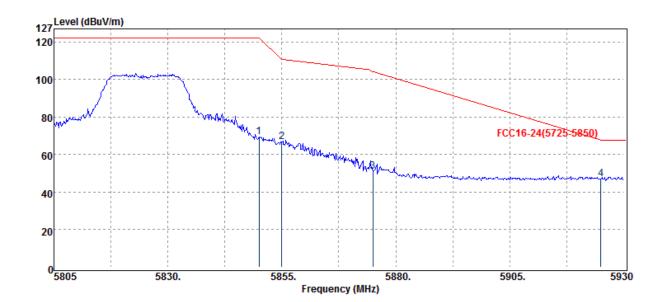
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11aB4 :5825 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	62.07	7.28	69.35	122.23	-52.88
5855.00	Е	Peak	59.28	7.32	66.60	110.83	-44.23
5875.00	Е	Peak	43.76	7.37	51.13	105.23	-54.10
5925.00	Е	Peak	39.63	7.39	47.02	68.23	-21.21

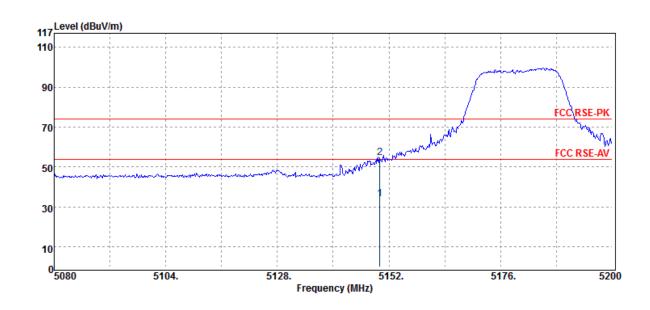
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B1 :5180 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	28.11	5.88	33.99	54.00	-20.01
5150.00	Е	Peak	48.71	5.88	54.59	74.00	-19.41

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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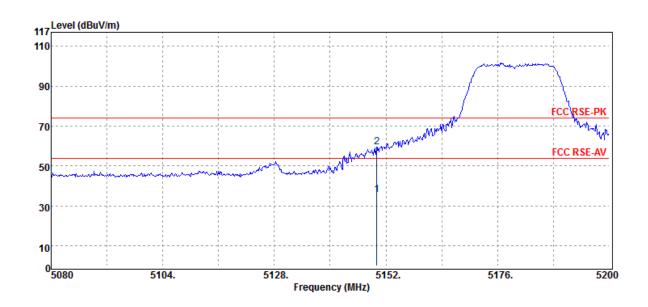


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B1 :5180 MHz :Bandedge CH LOW :H Plane

Test Date Temp./Humi. Engineer :Tin Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	29.77	5.88	35.65	54.00	-18.35
5150.00	Е	Peak	53.57	5.88	59.45	74.00	-14.55

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

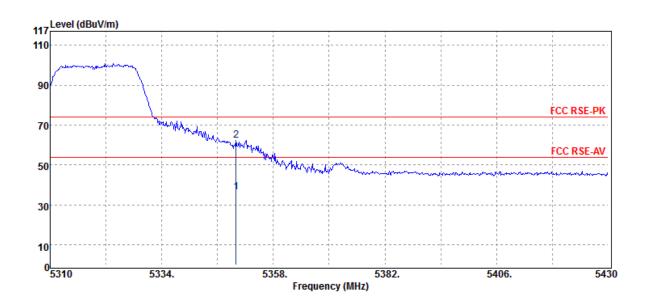
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B2 :5320 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	30.20	6.16	36.36	54.00	-17.64
5350.00	Е	Peak	56.38	6.16	62.54	74.00	-11.46

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

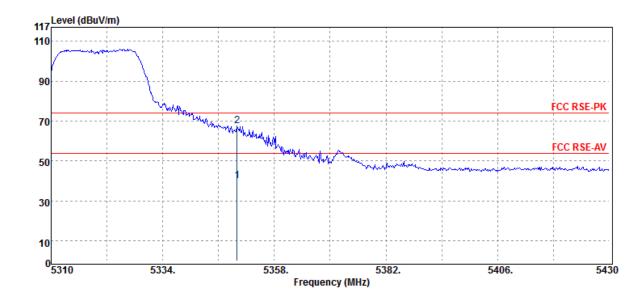
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B2 :5320 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	33.91	6.16	40.07	54.00	-13.93
5350.00	Е	Peak	61.46	6.16	67.62	74.00	-6.38

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

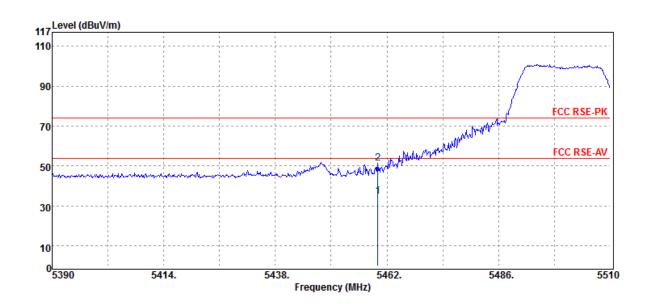
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5500 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	28.57	6.23	34.80	54.00	-19.20
5460.00	Е	Peak	45.26	6.23	51.49	74.00	-22.51

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

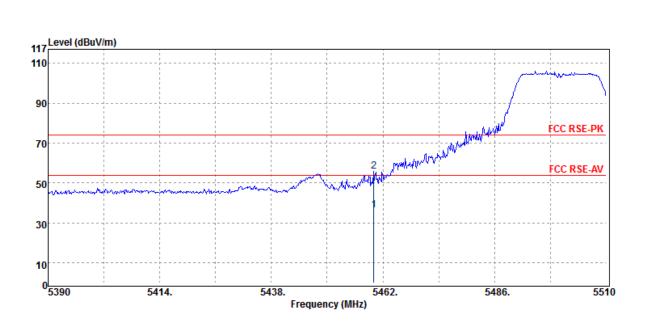
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5500 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	30.20	6.23	36.43	54.00	-17.57
5460.00	Е	Peak	49.50	6.23	55.73	74.00	-18.27

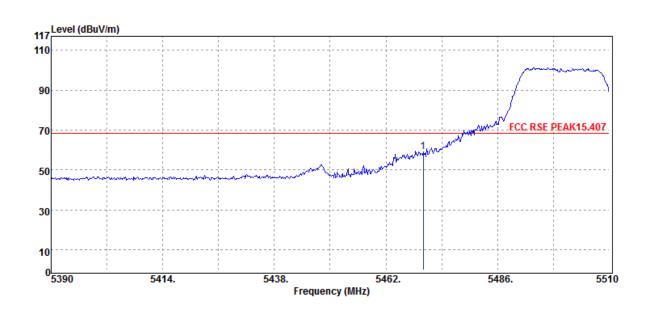
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5500 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	52.99	6.26	59.25	68.30	-9.05

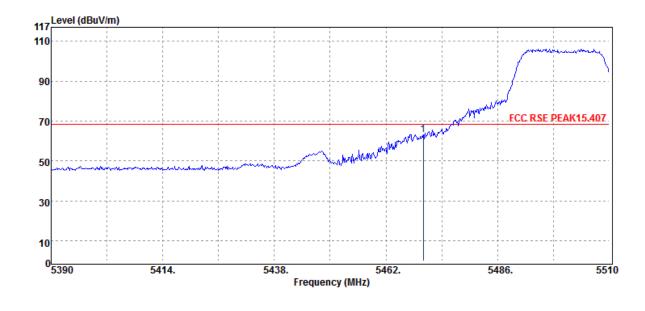
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5500 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	57.01	6.26	63.27	68.30	-5.03

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

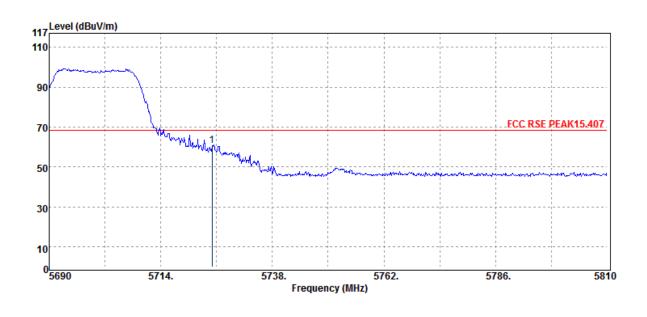
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5700 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	54.06	6.59	60.65	68.30	-7.65

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

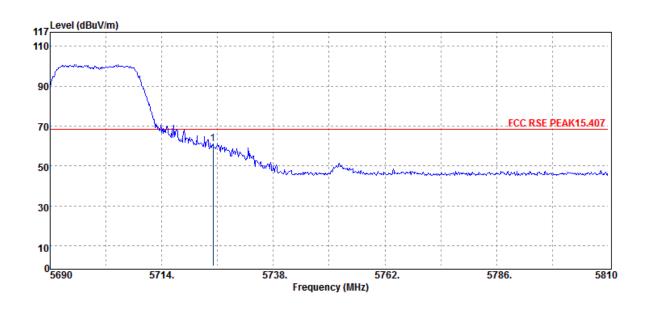
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B3 :5700 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	54.62	6.59	61.21	68.30	-7.09

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

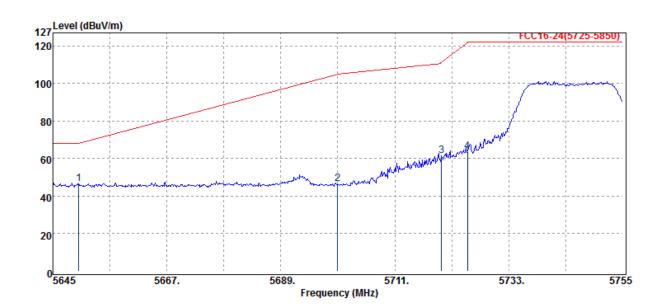
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B4 :5745 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-18 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	40.03	6.48	46.51	68.23	-21.72
5700.00	Е	Peak	39.82	6.67	46.49	105.23	-58.74
5720.00	Е	Peak	55.05	6.60	61.65	110.83	-49.18
5725.00	Е	Peak	57.03	6.59	63.62	122.23	-58.61

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

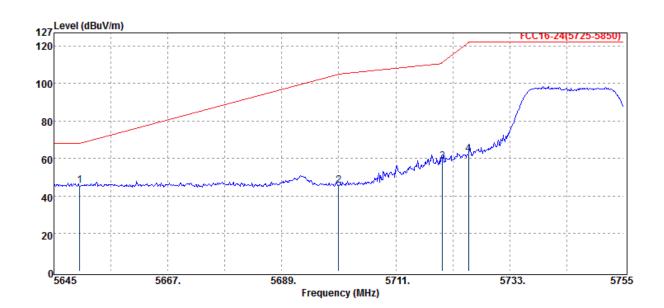
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B4 :5745 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	39.12	6.48	45.60	68.23	-22.63
5700.00	Е	Peak	39.19	6.67	45.86	105.23	-59.37
5720.00	Е	Peak	52.00	6.60	58.60	110.83	-52.23
5725.00	E	Peak	55.78	6.59	62.37	122.23	-59.86

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

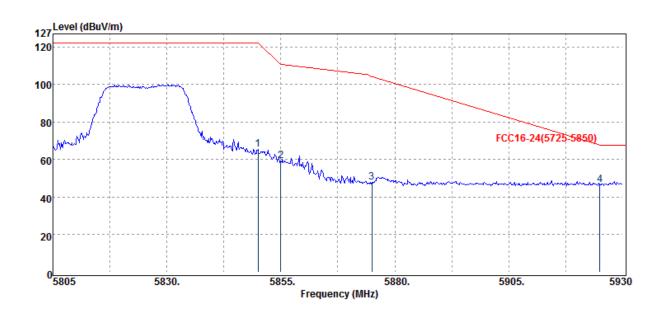
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B4 :5825 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	58.04	7.28	65.32	122.23	-56.91
5855.00	Е	Peak	51.99	7.32	59.31	110.83	-51.52
5875.00	Е	Peak	40.47	7.37	47.84	105.23	-57.39
5925.00	Е	Peak	39.03	7.39	46.42	68.23	-21.81

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

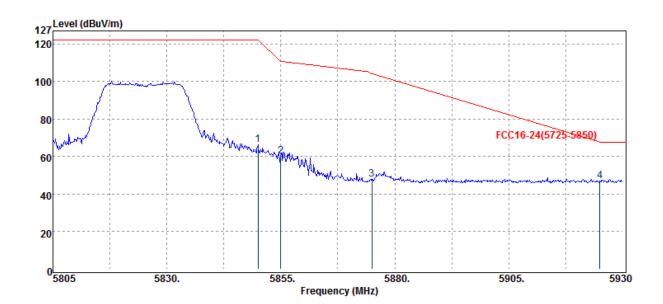
Report No.:ER/2018/10129 Page 46 of 156



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n20B4 :5825 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	58.88	7.28	66.16	122.23	-56.07
5855.00	Е	Peak	52.81	7.32	60.13	110.83	-50.70
5875.00	Е	Peak	40.68	7.37	48.05	105.23	-57.18
5925.00	Е	Peak	39.55	7.39	46.94	68.23	-21.29

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

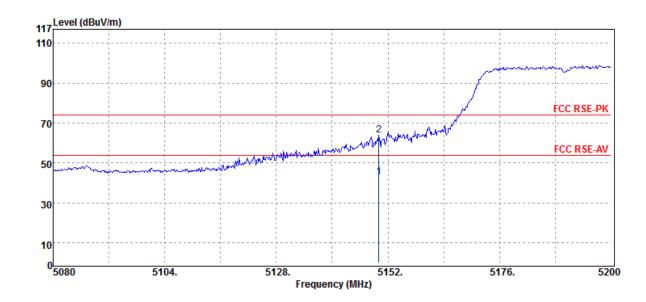
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B1 :5190 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	37.12	5.88	43.00	54.00	-11.00
5150.00	E	Peak	58.16	5.88	64.04	74.00	-9.96

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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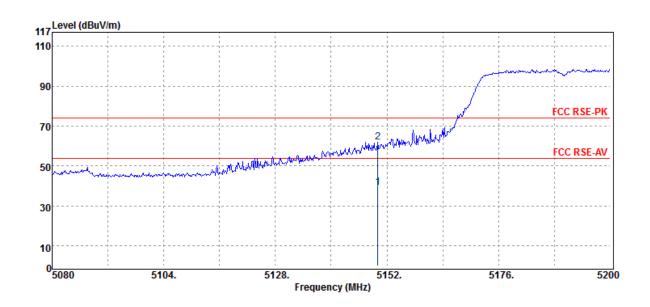


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B1 :5190 MHz :Bandedge CH LOW :H Plane

Test Date Temp./Humi. Engineer Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :Tin :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	33.32	5.88	39.20	54.00	-14.80
5150.00	Е	Peak	55.91	5.88	61.79	74.00	-12.21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

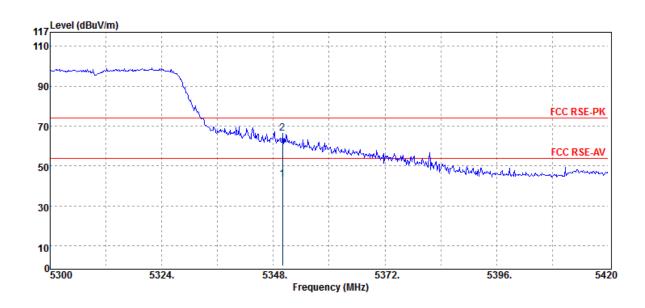
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B2 :5310 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	37.22	6.16	43.38	54.00	-10.62
5350.00	Е	Peak	60.03	6.16	66.19	74.00	-7.81

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

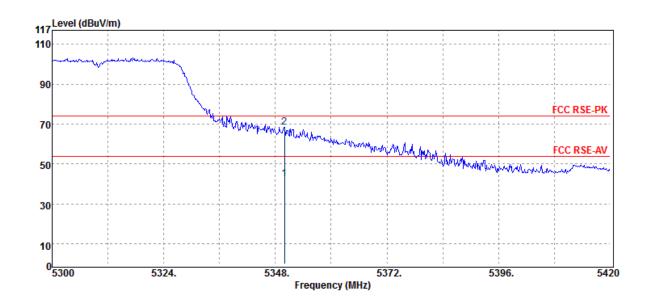
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B2 :5310 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	36.48	6.16	42.64	54.00	-11.36
5350.00	Е	Peak	62.23	6.16	68.39	74.00	-5.61

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

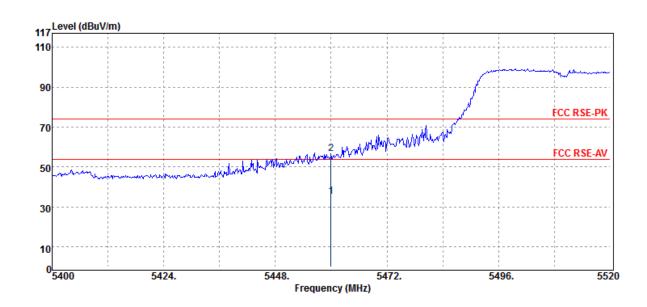
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5510 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	29.12	6.23	35.35	54.00	-18.65
5460.00	Е	Peak	50.60	6.23	56.83	74.00	-17.17

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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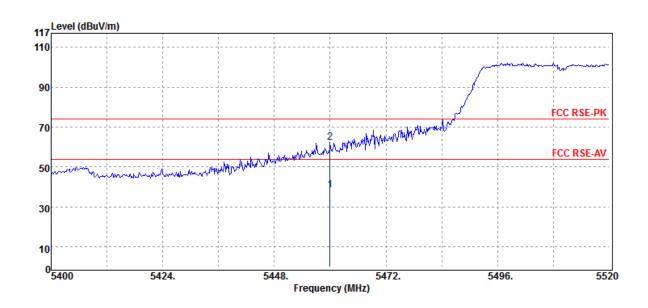


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5510 MHz :Bandedge CH LOW :H Plane

Test Date Temp./Humi. Engineer Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :Tin :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	32.19	6.23	38.42	54.00	-15.58
5460.00	Е	Peak	55.99	6.23	62.22	74.00	-11.78

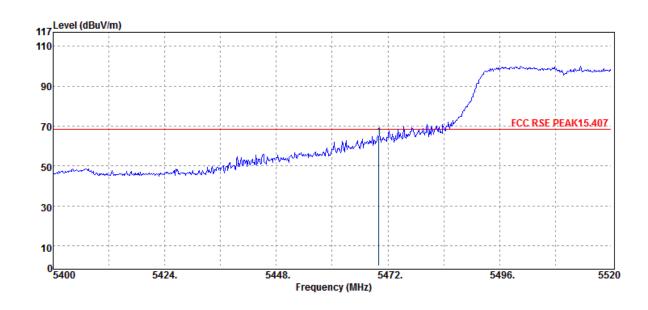
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5510 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	57.94	6.26	64.20	68.30	-4.10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

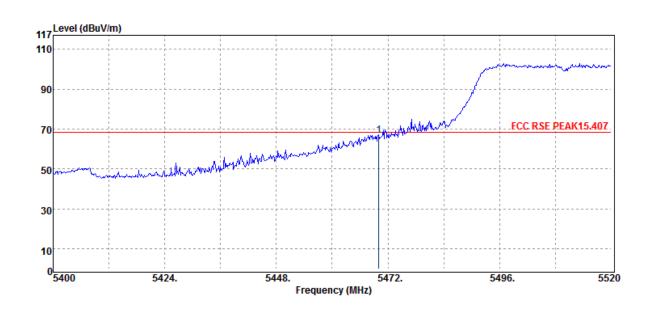


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5510 MHz :Bandedge CH LOW RSE :H Plane

Test Date Temp./Humi. Engineer Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :Tin :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	60.57	6.26	66.83	68.30	-1.47

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

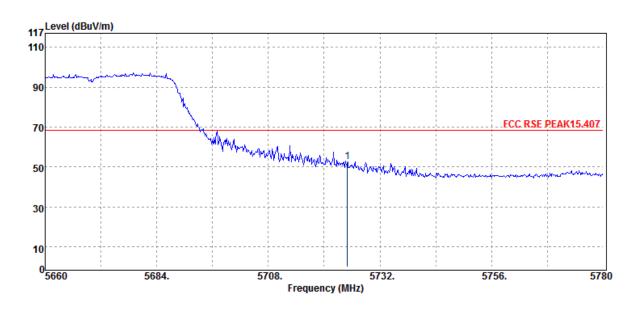
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5670 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	45.93	6.59	52.52	68.30	-15.78

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

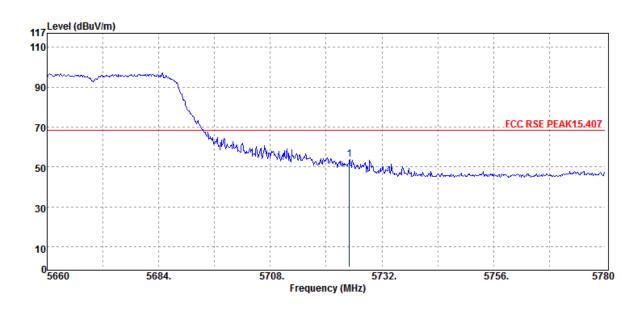
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B3 :5670 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5725.00	Е	Peak	47.06	6.59	53.65	68.30	-14.65

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

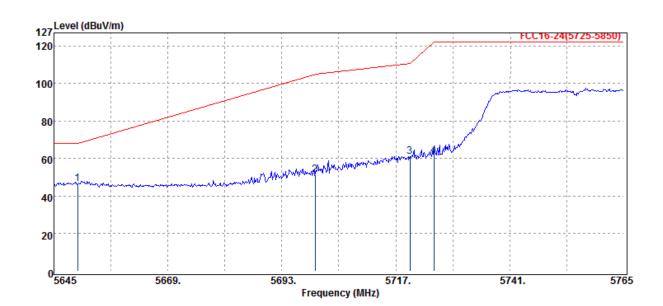
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B4 :5755 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	39.99	6.48	46.47	68.23	-21.76
5700.00	Е	Peak	44.64	6.67	51.31	105.23	-53.92
5720.00	Е	Peak	54.36	6.60	60.96	110.83	-49.87
5725.00	Е	Peak	54.82	6.59	61.41	122.23	-60.82

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

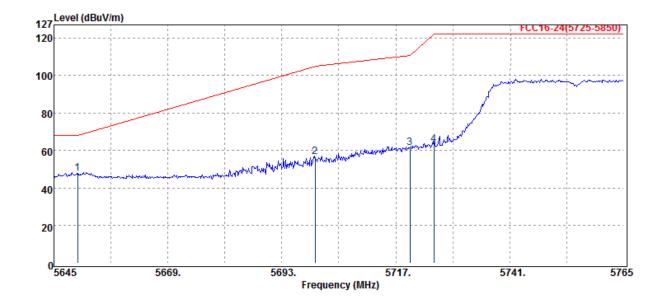
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B4 :5755 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	41.54	6.48	48.02	68.23	-20.21
5700.00	Е	Peak	50.12	6.67	56.79	105.23	-48.44
5720.00	Е	Peak	54.87	6.60	61.47	110.83	-49.36
5725.00	Е	Peak	56.50	6.59	63.09	122.23	-59.14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

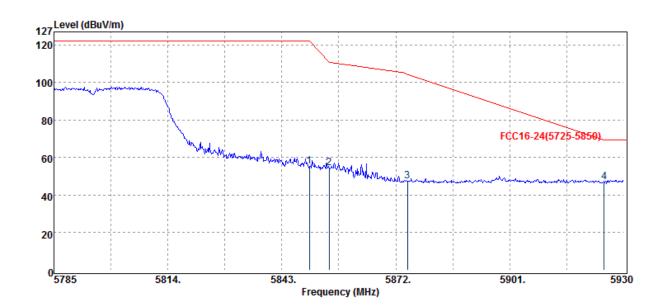
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B4 :5795 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	47.92	7.28	55.20	122.23	-67.03
5855.00	Е	Peak	47.23	7.32	54.55	110.83	-56.28
5875.00	Е	Peak	39.91	7.37	47.28	105.23	-57.95
5925.00	Е	Peak	39.76	7.39	47.15	68.23	-21.08

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

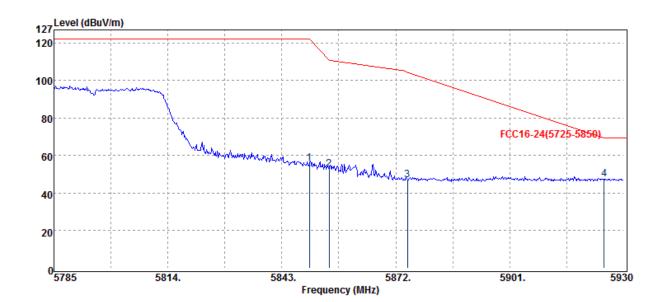
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11n40B4 :5795 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	48.63	7.28	55.91	122.23	-66.32
5855.00	Е	Peak	45.61	7.32	52.93	110.83	-57.90
5875.00	Е	Peak	39.87	7.37	47.24	105.23	-57.99
5925.00	Е	Peak	39.93	7.39	47.32	68.23	-20.91

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

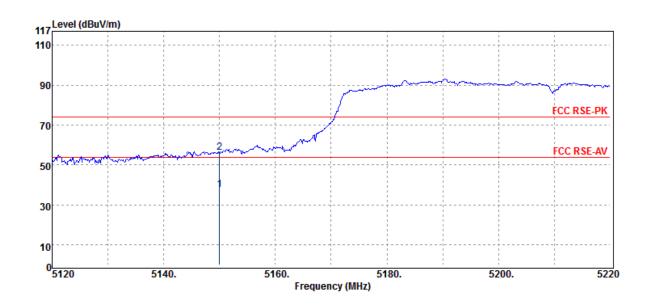
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B1 :5210 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	31.84	5.88	37.72	54.00	-16.28
5150.00	E	Peak	50.50	5.88	56.38	74.00	-17.62

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

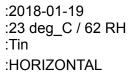
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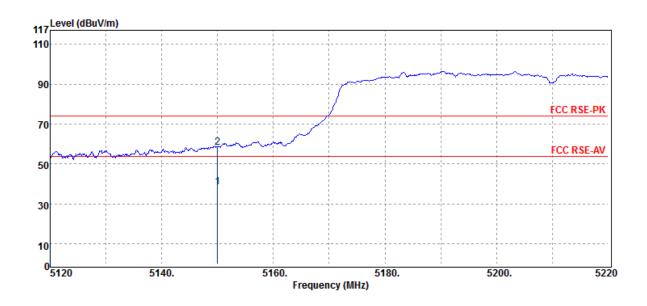


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B1 :5210 MHz :Bandedge CH LOW :H Plane

Test Date Temp./Humi. Engineer :Tin Measurement Antenna Pol.





Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5150.00	Е	Average	32.65	5.88	38.53	54.00	-15.47
5150.00	Е	Peak	52.47	5.88	58.35	74.00	-15.65

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

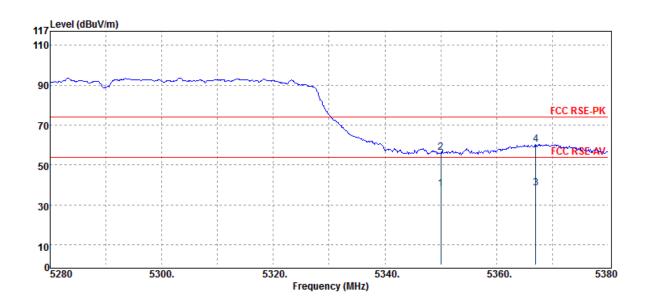
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B2 :5290 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	Е	Average	32.02	6.16	38.18	54.00	-15.82
5350.00	Е	Peak	49.94	6.16	56.10	74.00	-17.90
5367.00	Е	Average	32.48	6.02	38.50	54.00	-15.50
5367.00	Е	Peak	54.33	6.02	60.35	74.00	-13.65

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

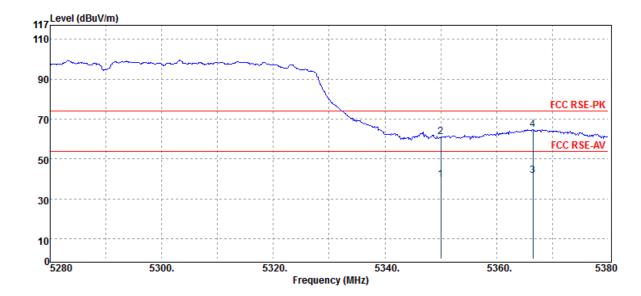
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B2 :5290 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5350.00	E	Average	33.43	6.16	39.59	54.00	-14.41
5350.00	Е	Peak	54.88	6.16	61.04	74.00	-12.96
5366.50	Е	Average	35.63	6.02	41.65	54.00	-12.35
5366.50	E	Peak	58.80	6.02	64.82	74.00	-9.18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

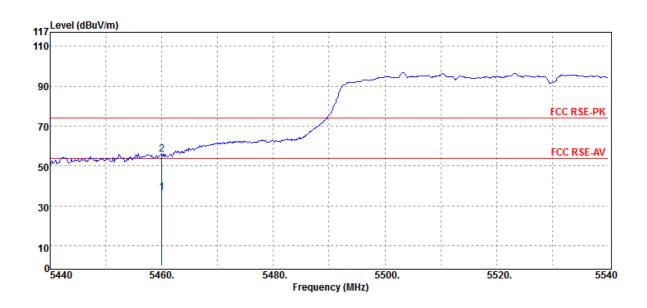
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B3 :5530 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	30.42	6.23	36.65	54.00	-17.35
5460.00	Е	Peak	49.46	6.23	55.69	74.00	-18.31

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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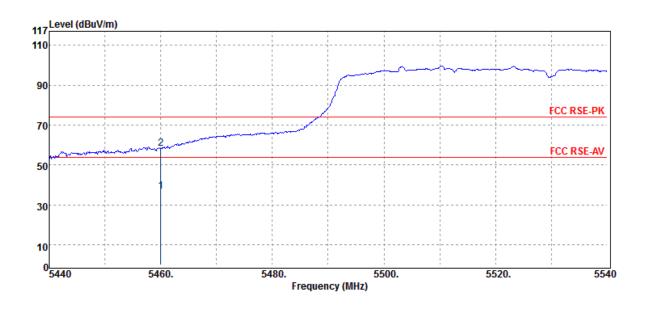


**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B3 :5530 MHz :Bandedge CH LOW :H Plane

Test Date Temp./Humi. Engineer :Tin Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5460.00	Е	Average	30.77	6.23	37.00	54.00	-17.00
5460.00	E	Peak	52.23	6.23	58.46	74.00	-15.54

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

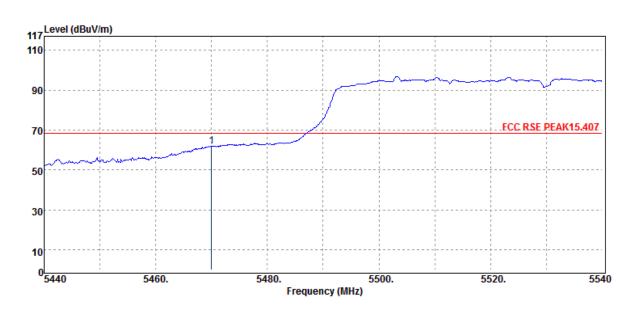
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**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B3 :5530 MHz :Bandedge CH LOW RSE :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	55.54	6.26	61.80	68.30	-6.50

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

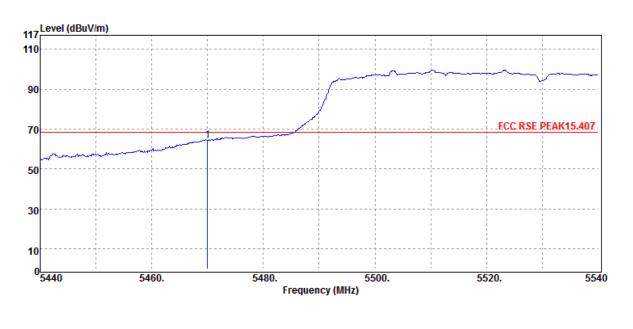


**Operation Band Fundamental Frequency Operation Mode** EUT Pol.

:802.11ac80B3 :5530 MHz :Bandedge CH LOW RSE :H Plane

Test Date Temp./Humi. Engineer :Tin Measurement Antenna Pol.

:2018-01-19 :23 deg\_C / 62 RH :HORIZONTAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5470.00	Е	Peak	58.11	6.26	64.37	68.30	-3.93

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

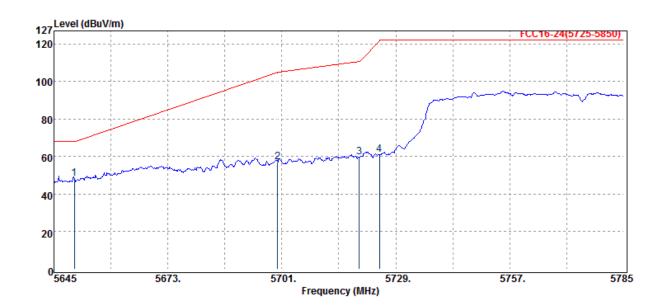
Report No.:ER/2018/10129 Page 69 of 156



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B4 :5775 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	Е	Peak	41.77	6.48	48.25	68.23	-19.98
5700.00	Е	Peak	50.57	6.67	57.24	105.23	-47.99
5720.00	Е	Peak	53.15	6.60	59.75	110.83	-51.08
5725.00	E	Peak	54.33	6.59	60.92	122.23	-61.31

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

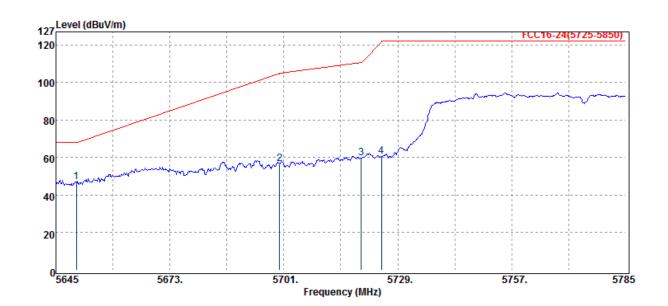
Report No.:ER/2018/10129 Page 70 of 156



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B4 :5775 MHz :Bandedge CH LOW :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5650.00	E	Peak	40.33	6.48	46.81	68.23	-21.42
5700.00	Е	Peak	49.98	6.67	56.65	105.23	-48.58
5720.00	Е	Peak	53.18	6.60	59.78	110.83	-51.05
5725.00	E	Peak	54.06	6.59	60.65	122.23	-61.58

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

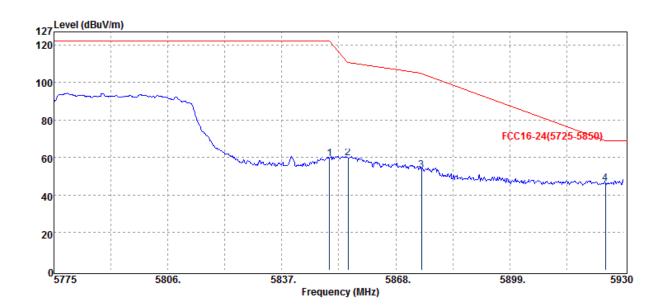
Report No.:ER/2018/10129 Page 71 of 156



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B4 :5775 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	52.16	7.28	59.44	122.23	-62.79
5855.00	Е	Peak	52.63	7.32	59.95	110.83	-50.88
5875.00	Е	Peak	45.96	7.37	53.33	105.23	-51.90
5925.00	Е	Peak	38.79	7.39	46.18	68.23	-22.05

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

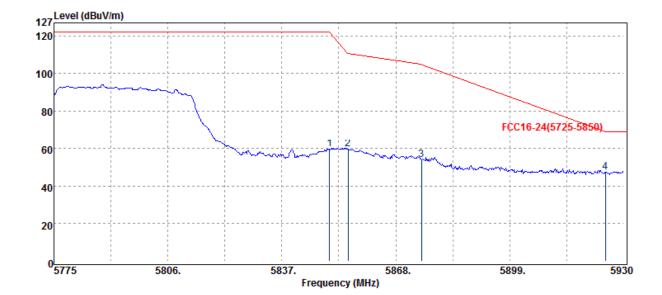
Report No.:ER/2018/10129 Page 72 of 156



**Operation Band** Fundamental Frequency **Operation Mode** EUT Pol.

:802.11ac80B4 :5775 MHz :Bandedge CH HIGH :H Plane

Test Date :2018-01-19 Temp./Humi. :23 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
5850.00	Е	Peak	52.37	7.28	59.65	122.23	-62.58
5855.00	Е	Peak	52.28	7.32	59.60	110.83	-51.23
5875.00	Е	Peak	46.83	7.37	54.20	105.23	-51.03
5925.00	Е	Peak	40.09	7.39	47.48	68.23	-20.75

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



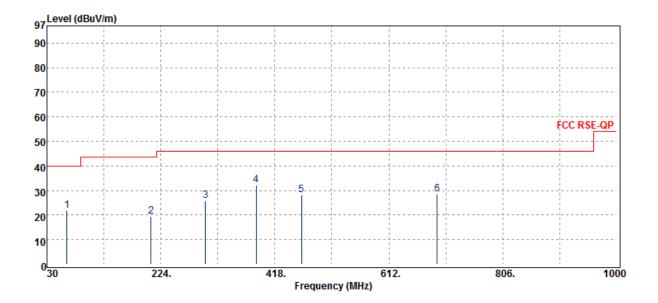
## 6.6.2 Below 1GHz Radiated Emission Measurement Result

Operation Band	
Fundamental Frequency	
Operation Mode	
EUT Pol.	

:802.11aB1 :5220 MHz :Tx CH MID :H Plane

Test Date Temp./Humi. Engineer Measurement Antenna Pol.

:2018-01-22 :21 deg\_C / 62 RH :Tin :VERTICAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
63.95	S	Peak	30.75	-8.93	21.82	40.00	-18.18
207.51	S	Peak	29.08	-9.73	19.35	43.50	-24.15
299.66	S	Peak	31.76	-5.93	25.83	46.00	-20.17
385.99	S	Peak	36.61	-4.31	32.30	46.00	-13.70
463.59	S	Peak	30.65	-2.55	28.10	46.00	-17.90
694.45	S	Peak	27.01	1.36	28.37	46.00	-17.63

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

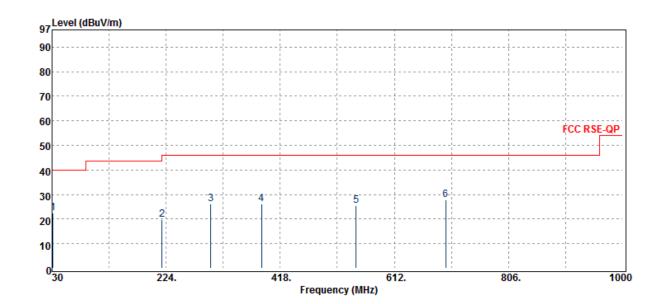
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Operation Band	:802.11aB1
Fundamental Frequency	:5220 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



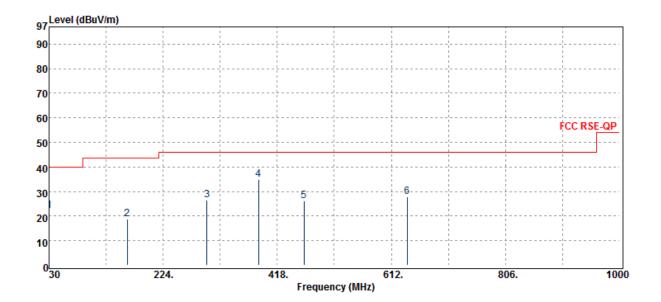
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	S	Peak	31.62	-9.11	22.51	40.00	-17.49
217.21	S	Peak	29.22	-9.39	19.83	46.00	-26.17
299.66	S	Peak	32.23	-5.93	26.30	46.00	-19.70
385.99	S	Peak	30.54	-4.31	26.23	46.00	-19.77
547.01	S	Peak	27.17	-1.68	25.49	46.00	-20.51
699.30	S	Peak	26.40	1.44	27.84	46.00	-18.16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Operation Band	:802.11aB2
Fundamental Frequency	:5300 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



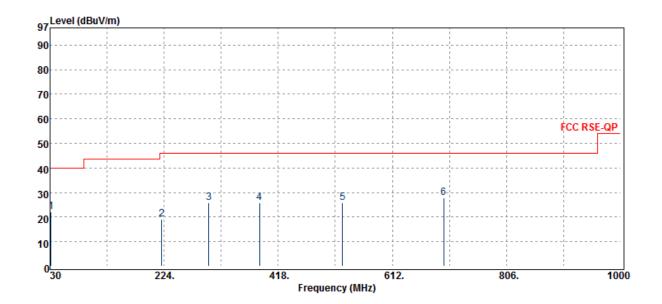
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	S	Peak	31.36	-9.19	22.17	40.00	-17.83
162.89	S	Peak	26.13	-7.48	18.65	43.50	-24.85
298.69	S	Peak	32.30	-5.95	26.35	46.00	-19.65
385.99	S	Peak	39.08	-4.31	34.77	46.00	-11.23
463.59	S	Peak	28.88	-2.55	26.33	46.00	-19.67
639.16	S	Peak	27.56	0.36	27.92	46.00	-18.08

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Operation Band	:802.11aB2
Fundamental Frequency	:5300 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



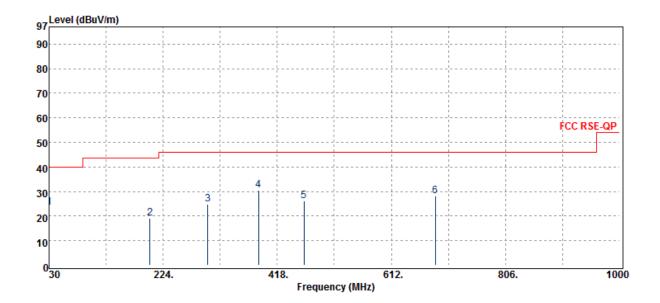
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	S	Peak	31.17	-9.11	22.06	40.00	-17.94
220.12	S	Peak	28.35	-9.25	19.10	46.00	-26.90
299.66	S	Peak	31.64	-5.93	25.71	46.00	-20.29
385.99	S	Peak	30.31	-4.31	26.00	46.00	-20.00
527.61	S	Peak	27.29	-1.32	25.97	46.00	-20.03
699.30	S	Peak	26.47	1.44	27.91	46.00	-18.09

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Operation Band	:802.11aB3
Fundamental Frequency	:5580 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



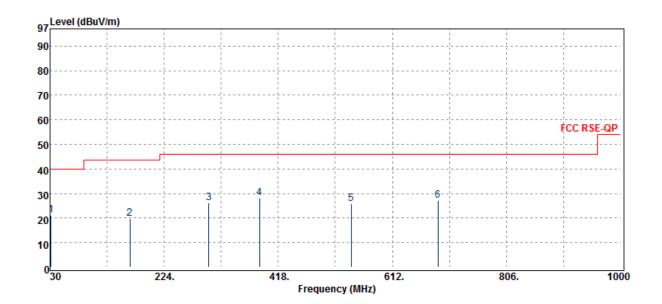
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	S	Peak	32.63	-9.19	23.44	40.00	-16.56
201.69	S	Peak	28.70	-9.67	19.03	43.50	-24.47
299.66	S	Peak	30.80	-5.93	24.87	46.00	-21.13
385.99	S	Peak	35.01	-4.31	30.70	46.00	-15.30
463.59	S	Peak	28.81	-2.55	26.26	46.00	-19.74
686.69	S	Peak	26.98	1.21	28.19	46.00	-17.81

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Operation Band	:802.11aB3
Fundamental Frequency	:5580 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	S	Peak	30.22	-9.11	21.11	40.00	-18.89
165.80	S	Peak	27.27	-7.40	19.87	43.50	-23.63
299.66	S	Peak	32.00	-5.93	26.07	46.00	-19.93
385.99	S	Peak	32.56	-4.31	28.25	46.00	-17.75
542.16	S	Peak	27.55	-1.75	25.80	46.00	-20.20
689.60	S	Peak	25.99	1.27	27.26	46.00	-18.74

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

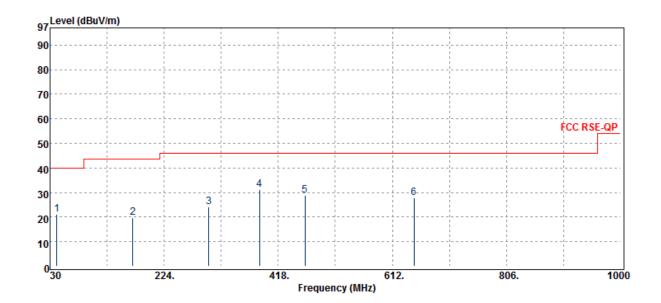
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**Operation Band** :802.11aB4 Fundamental Frequency :5825 MHz **Operation Mode** :Tx CH MID EUT Pol. :H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :VERTICAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
41.64	S	Peak	29.47	-8.38	21.09	40.00	-18.91
170.65	S	Peak	27.31	-7.66	19.65	43.50	-23.85
299.66	S	Peak	29.94	-5.93	24.01	46.00	-21.99
385.99	S	Peak	35.51	-4.31	31.20	46.00	-14.80
463.59	S	Peak	31.25	-2.55	28.70	46.00	-17.30
648.86	S	Peak	27.47	0.40	27.87	46.00	-18.13

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

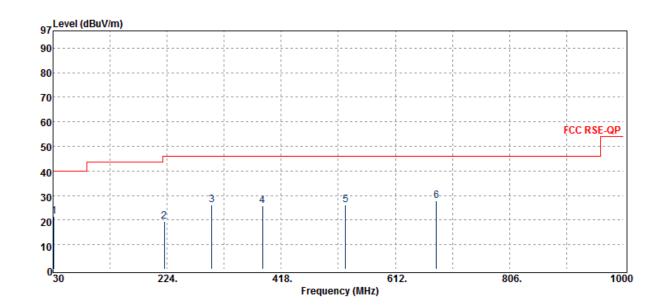
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Operation Band	:802.11aB4
Fundamental Frequency	:5825 MHz
Operation Mode	:Tx CH MID
EUT Pol.	:H Plane

Test Date :2018-01-22 Temp./Humi. :21 deg\_C / 62 RH Engineer :Tin :HORIZONTAL Measurement Antenna Pol.



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	S	Peak	30.62	-9.11	21.51	40.00	-18.49
219.15	S	Peak	28.61	-9.28	19.33	46.00	-26.67
299.66	S	Peak	32.14	-5.93	26.21	46.00	-19.79
385.99	S	Peak	30.15	-4.31	25.84	46.00	-20.16
527.61	S	Peak	27.57	-1.32	26.25	46.00	-19.75
681.84	S	Peak	26.78	0.92	27.70	46.00	-18.30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

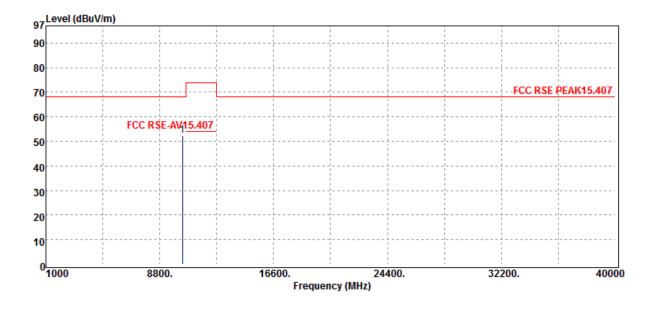
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## 6.6.3 Above 1GHz Radiated Emission Measurement Result

Operation Band Fundamental Frequency	:802.11aB1 :5180 MHz	Test Date Temp./Humi.	:2018-01-22 :21 deg_C / 62 RH
Operation Mode	:Tx CH LOW	Engineer	:Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:VERTICAL



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10360.00	н	Peak	34.10	18.29	52.39	68.30	-15.91	

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB1 :5180 MHz :Tx CH LO\ :H Plane	N	Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:21 deg :Tin	:2018-01-22 :21 deg_C / 62 RH :Tin :HORIZONTAL	
97 Level (d	BuV/m)							
90								
80								
70					FCC	RSE PEAK15.407		
60	FCC RS	E-AV <u>15.407</u>		·				
50				         		   		
40								
30								
20						· · · · · · · · · · · · · · · · · · ·		
10								
00						0		
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10360.00	Н	Peak	33.16	18.29	51.45	68.30	-16.85	



Fundamental Frequency : Operation Mode :		:802.11aB1 :5220 MHz :Tx CH MID :H Plane	:5220 MHz :Tx CH MID		e ımi. ment Antenna	:21 deg :Tin	:2018-01-22 :21 deg_C / 62 RH :Tin :VERTICAL	
97	BuV/m)							
90				·				
80								
70					FCC	RSE PEAK15.407		
60	FCC RSI	E-AV15.407		·				
50								
40								
30								
20								
10								
0 <mark>0 1000 8800. 16600. Frequenc</mark>			16600. Frequency (Mi	24400. Iz)	32200.	4000	0	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10440.00	Н	Peak	33.54	18.69	52.23	68.30	-16.07	



Operation Bar Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB1 :5220 MHz :Tx CH MID :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:21 deg :Tin	:2018-01-22 :21 deg_C / 62 RH :Tin :HORIZONTAL	
97	BuV/m)							
90								
80								
70					FCC	RSE PEAK15.407		
60	FCC RSF	-AV15.407						
50		· · · · · · · · · · · · · · · · · · ·						
40								
30								
20		·····						
10								
0 <mark>0 1000 8800. 16600. Frequency (I</mark>			16600. Frequency (MHz	24400. 2)	32200.	: 4000	D	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB	
10440.00	н	Peak	33.40	18.69	52.09	68.30	-16.21	



Fundamenta	Operation Band:802.11aB1Fundamental Frequency:5240 MHzOperation Mode:Tx CH HIGHEUT Pol.:H Plane			Test Date Temp./Humi. Engineer Measurement Antenna Pol.			:2018-01-22 :21 deg_C / 62 RH :Tin :VERTICAL	
97 Level (d	IBuV/m)							
90								
80	1							
70					FC	C RSE PEAK15.407		
60	FCC RS	E-AV15.407						
50		<u> </u>						
40								
30								
20				     				
10					· · · · · · · · · · · · · · · · · · ·			
0 <mark></mark>	88	00	16600.	24400.	32200.	4000		
1000	00		Frequency		J2200.	4000	0	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Leve	el	FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10480.00	Н	Peak	33.11	18.30	51.41	68.30	-16.89	



Operation Band Fundamental Frequency Operation Mode EUT Pol.		:802.11aB1 :5240 MHz :Tx CH HIG :H Plane	iΗ	Test Date Temp./Hu Engineer Measure	umi.	:21 deg :Tin	:2018-01-22 :21 deg_C / 62 RH :Tin :HORIZONTAL	
97	dBuV/m)							
90								
80								
70					FCC	RSE PEAK15.407		
<b>60</b>	FCC RS	E-AV15.407						
50								
40								
30								
20								
10								
0 <mark></mark> 1000	88(	00.	16600. Frequency (Mł	24400. Iz)	32200.	4000	0	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10480.00	Н	Peak	33.29	18.30	51.59	68.30	-16.71	



Operation Ba Fundamental Operation Mc EUT Pol.	Frequency	:802.11aB2 :5260 MHz :Tx CH LO :H Plane	<u>.</u>	Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	g_C / 62 RH
97	BuV/m)						-
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RS	E-AV15.407					
50							
40							
30				       			
20						       	
10							
0	880	) <b>0.</b>	16600. Frequency (M	24400. IHz)	32200.	400	00
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10520.00	Н	Peak	34.06	19.38	53.44	68.30	-14.86



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB2 :5260 MHz :Tx CH LO' :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol			)1-22 9_C / 62 RH ZONTAL
97 Level (dl	BuV/m)						
90							
80							
70	J				FCC	RSE PEAK15.407	
60	FCC RS	E-AV15.407					
50							
40		j					
30		 					
20							
10						 	
0 <mark></mark> 1000	00						 0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10520.00	Н	Peak	33.27	19.38	52.65	68.30	-15.65



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB2 :5300 MHz :Tx CH MIE :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	_C / 62 RH
97 Level (dl	BuV/m)						
90					·		
80							
70					FCC I	RSE PEAK15.407	
60		E-AV\$5.407					
50	FCC N3	E-AV <u>53.407</u>					
40							
30					·		
20					·	       	
10						       	
0 1000	88(	) <b>0.</b>	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10600.00	н	Average	21.50	18.91	40.41	54.00	-13.59

Peak

33.87

18.91

52.78

74.00



10600.00

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB2 :5300 MHz :Tx CH MIE :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	01-22  _C / 62 RH CONTAL
97	BuV/m)						
90						· · · · · · · · · · · · · · · · · · ·	
80							
70					FCC	RSE PEAK15.407	
60	FCC RS	E-AV25.407					
50				·			
40				·			
30				         		       	
20							
10							
0	880	0.	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10600.00	Н	Average	21.61	18.91	40.52	54.00	-13.48

35.18

Peak

18.91

54.09

74.00

-19.91



10640.00

н

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB2 :5320 MHz :Tx CH HIG :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:21 c :Tin	8-01-22 leg_C / 62 RH RTICAL
97	BuV/m)						
<b>90</b>							
80				<del>1</del> <del>1</del>			
70					FC(	C RSE PEAK15.4	<u>07.</u>
60		E-AV\$5.407		·			
50	TCCN3			·			
40							
30				·			
20				1 1 1 1		 	
10							
0 <mark></mark> 1000	880	0.	16600. Frequency (MH	24400. z)	32200.	4	0000
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

21.87

34.30

Average

Peak

19.19

19.19

41.06

53.49

54.00

74.00

-12.94

-20.51



10640.00

н

Н

Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11aB2 / :5320 MHz :Tx CH HIG :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 g_C / 62 RH ZONTAL
97 Level (dBuV/m)						-
90						
80						
70				FCC	RSE PEAK15.407	
60 FCC F	SE-AV15.407					
50						
40						
30						
20					 	
10						
0 <mark></mark> 1000 8	800.	16600. Frequency (MH	24400. z)	32200.	4000	00
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

22.07

34.10

Average

Peak

19.19

19.19

41.26

53.29

54.00

74.00

-12.74

-20.71



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB3 :5500 MHz :Tx CH LO' :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	_C / 62 RH
97	BuV/m)						
90				·			
80				,	·		
70		· · · · · · · · · · · · · · · · · · ·			FCC I	RSE PEAK15.407	
60		E-AV1 <u>5,407</u>		·			
50		L-AV 1 <u>2401</u>		·			
40				·			
30			· · · · · · · · · · · · · · · · · · ·				
20				·	·	       	
10							
0 1000	880	) <b>0.</b>	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11000.00	Н	Average	21.75	20.16	41.91	54.00	-12.09

Peak

31.90

20.16

52.06

74.00



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB3 :5500 MHz :Tx CH LO <sup>v</sup> :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	)1-22 J_C / 62 RH CONTAL
97 Level (dl	BuV/m)						
90							
80				1 1 1 1 1			
70		· · · · · · · · · · · · · · · · · · ·			FCC	RSE PEAK15.407	
60	ECC DS	E-AV1 <u>5,407</u>					
50	TCC N3	L-AV 1 <u>2401</u>					
40		1					
30						       	
20							
10							
0	880	) <b>0.</b>	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11000.00	н	Average	21.94	20.16	42.10	54.00	-11.90

Peak

31.97

20.16

52.13

74.00



11160.00

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aE :5580 MH :Tx CH M :H Plane	z	Test Date Temp./Humi. Engineer Measurement Antenna Pol.			:2018-0 :21 deg :Tin :VERTI	]_C / 62 RH
97	BuV/m)							
90								
80								
70						FCC RSE F	PEAK15.407	
60	FCC DS	E-AV15,407						
50	FCC K3	C-AV 1 <u>37407</u>						
40		1						
30				· · · · · · · · · · · · · · · · · · ·				
20				i i i i i i i i i i i i i i i i i i i i				
10					         		 	
0 <mark></mark>	88	00.	16600.	24400.	32	200.	4000	0
1000	00			ncy (MHz)	52	200.	4000	
Freq.	Note	Detector	Spectrur	m Facto	or Actua	il L	imit	Safe
		Mode	Reading Lo	evel	FS	(	@3m	Margin
MHz	F/H/E/S	PK/QP/A	√ dBµV	dB	dBµV/	m dB	μV/m	dB
11160.00	Н	Average	21.56	20.4	4 42.00	) 5	4.00	-12.00

Peak

32.14

20.44

52.58

74.00



11160.00

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB3 :5580 MHz :Tx CH MII :H Plane	2	Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 g_C / 62 RH ZONTAL
97	BuV/m)						_
90							
80							
70					FC	C RSE PEAK15.407	
60	FCC DE	E-AV152407					
50	FUC K3	E-AV 132407					
40		1					
30							
20							
10							
0	88	D <b>O.</b>	16600. Frequency (MH	24400. iz)	32200.	400	 00
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00	н	Average	21.69	20.44	42.13	54.00	-11.87

Peak

33.10

20.44

53.54

74.00

-20.46



11400.00

н

Н

Fundamental Frequency :5700 MHz		:802.11aB3 :5700 MHz :Tx CH HIG		Test Date Temp./Humi. Engineer			:2018-01-22 :21 deg_C / 62 RH :Tin		
UT Pol.		:H Plane		Measurement Antenna Pol			CAL		
97 Level (d	BuV/m)						1		
90	·								
80									
70					FCC I	RSE PEAK15.407			
60	FCC RS	E-AV15,407							
50									
40	J L								
30									
20									
10									
0 <mark></mark> 1000	880	) <b>0.</b>	16600. Frequency (Mł	24400. iz)	32200.	4000	0		
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe		
		Mode	Reading Level		FS	@3m	Margin		
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB		

Average

Peak

20.56

20.56

21.49

32.49

42.05

53.05

54.00

74.00

-11.95

-20.95



11400.00

Н

Н

Operation Band Fundamental F Operation Mode EUT Pol.	requency	:802.11aB3 :5700 MHz :Tx CH HIG :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	01-22 J_C / 62 RH CONTAL
97	//m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RSI	E-AV15.407					
50	Tee KS						
40							
30							
20						     	
10							
0	880	0.	16600.	24400.	32200.	4000	0
1000	000		Frequency (MH		022001	4000	-
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.61

31.81

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Average

Peak

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測试之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and, for elec-tronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or ap-pearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

20.56

20.56

42.17

52.37

54.00

74.00

-11.83



11490.00

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB4 :5745 MHz :Tx CH LO :H Plane	2	Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	g_C / 62 RH
97	BuV/m)						
90					· · · · · · · · · · · · · · · · · · ·		
80							
70					FC	C RSE PEAK15.407	
60	FCC DE	E-AV15.407					
50	FUC K3	E-AV 13.407					
40		1					
30					· <sup>1</sup>		
20							
10					·		
0 <mark></mark>	88	00	16600.	24400.	32200.	4000	
1000	00		Frequency (MI		52200.	4000	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11490.00	Н	Average	21.11	20.42	41.53	54.00	-12.47

Peak

32.28

20.42

52.70

74.00



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB4 :5745 MHz :Tx CH LO :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	01-22 J_C / 62 RH CONTAL
97 Level (dl	BuV/m)						
90					·		
80							
70		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		FCC	RSE PEAK15.407	
60	FCC DS	E-AV1 <u>5.407</u>					
50	FUL K3	E-AV <u>13.407</u>					
40		1					
30							
20			· · · · · · · · · · · · · · · · · · ·			       	
10			· · · · · · · · · · · · · · · · · · ·				
0 1000	88(	00.	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11490.00	Н	Average	21.21	20.42	41.63	54.00	-12.37

Peak

31.55

20.42

51.97

74.00

-22.03



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB4 :5785 MHz :Tx CH MIE :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 g_C / 62 RH ICAL
97	BuV/m)						_
90							
80							
70					FC	C RSE PEAK15.407	
60	FCC DE	E-AV15. <b>4</b> 07					
50	FUC K3	E-AV 13.907					
40		1					
30							
20							
10							
0 <mark>0</mark>	88	00.	16600.	24400.	32200.	400	
1000			Frequency (MH		022001		
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11570.00	Н	Average	21.28	20.58	41.86	54.00	-12.14

Peak

32.20

20.58

52.78

74.00



Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11aB4 :5785 MHz :Tx CH MII :H Plane	2	Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 g_C / 62 RH ZONTAL
97	BuV/m)						_
90							
80							
70					FC	C RSE PEAK15.407	
60	FCC DC	E-AV15.407					
50	FUU KS	E-AV1 <u>3.907</u>					
40		1					
30							
20							
10							
0	88	00	16600.	24400.	32200.	4000	
1000	00		Frequency (M		52200.	4000	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11570.00	Н	Average	21.20	20.58	41.78	54.00	-12.22

32.14

Peak

20.58

52.72

74.00



11650.00

н

Н

peration Ba undamental peration Mc UT Pol.	Frequency	:802.11aB4 :5825 MHz :Tx CH HIG :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Po			01-22 g_C / 62 RH ICAL
97 Level (dl	3uV/m)						
97							]
80							
70					-FCC	RSE PEAK15.407	
60	FCC DE	E-AV15.407				     	
50	ruu ka	E-AV1 <u>5.407</u>					
40		1					
30							
20							
10							
0 <mark>1000</mark>	880	0.	16600. Frequency (M	24400. Hz)	32200.	4000	<b>D</b> O
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.19

32.71

Average

Peak

20.43

20.43

41.62

53.14

54.00

74.00

-12.38

-20.86



11650.00

н

Н

Operation Ban Fundamental I Operation Moo EUT Pol.	Frequency	:802.11aB4 :5825 MHz :Tx CH HIG :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 g_C / 62 RH ZONTAL
97	uV/m)						-
90							
80							
70					FC(	CRSE PEAK15.407	
60	FCC RSI	E-AV15.407					
50							
40		1				       	
30							
20							
10						       	
0 <mark></mark>	880	0.	16600.	24400.	32200.	400	00
			Frequency (MH)				
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.22

31.33

Average

Peak

20.43

20.43

41.65

51.76

54.00

74.00

-12.35

-22.24



Operation Ba Fundamental Operation Mo EUT Pol.	mental Frequency:5180 MHzTemp./Humi.ion Mode:Tx CH LOWEngineer			umi.	:Tin	g_C / 62 RH	
97 Level (d	BuV/m)						1
90							
80							
70	J				FCC	RSE PEAK15.407	
<b>60</b>	FCC RS	E-AV <u>15.407</u>					
50		1		1 1 1 1		 	
40							
30							
20							
10							
0 <mark></mark> 1000	8800. 1		16600. 24400. Frequency (MHz)		32200.	4000	00
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10360.00	н	Peak	32.70	18.29	50.99	68.30	-17.31



Operation Bar Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20B1Test Date:5180 MHzTemp./Humi.:Tx CH LOWEngineer:H PlaneMeasurement Antenna Pol.			:Tin	01-22 J_C / 62 RH CONTAL	
97	BuV/m)						
90							
80				       			
70					FC(	CRSE PEAK15.407	
60							
50	FUCKS	E-AV1 <u>5.407</u> 1		       			
40	·						
30				       			
20						       	
10						       	
0	880		16600.	24400.	32200.	4000	0
1000	880	JU.	Frequency (M		32200.	4000	U
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10360.00	Н	Peak	31.97	18.29	50.26	68.30	-18.04



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20 :5220 MHz :Tx CH MID :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			)1-22 9_C / 62 RH CAL
97 Level (dl	BuV/m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RS	E-AV <u>15.407</u>					
50		1					
40							
30		· · · · · · · · · · · · · · · · · · ·		 1 1			
20				·····			
10				·····			
01000	880	00.	16600. Frequency (MH	16600. 24400. 322 Frequency (MHz)			] 0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10440.00	Н	Peak	32.65	18.69	51.34	68.30	-16.96



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20 :5220 MHz :Tx CH MIE :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			01-22 9_C / 62 RH ZONTAL
97 Level (dl	BuV/m)						1
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RS	E-AV <u>15.407</u>					
50		1					
40							
30		· · · · · · · · · · · · · · · · · · ·					
20							
10							
0	880	) <b>0.</b>	16600. Frequency (MH	16600. 24400. Frequency (MHz)		4000	  0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10440.00	Н	Peak	31.93	18.69	50.62	68.30	-17.68



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20l :5240 MHz :Tx CH HIG :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	]_C / 62 RH
97 Level (dl	BuV/m)						_
90							
80						       	
70					FCC	RSE PEAK15.407	
60	FCC DS						
50	FUCKS	E-AV <u>15.407</u>					
40							
30							
20							
10							
0 <mark></mark>	880	0	16600.	24400.	32200.	4000	
1000	000		Frequency (MI		52200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10480.00	Н	Peak	32.59	18.30	50.89	68.30	-17.41



Operation Ban Fundamental I Operation Mod EUT Pol.	Frequency	:802.11n20l :5240 MHz :Tx CH HIG :H Plane		Test Date Temp./Hu Engineer Measurer	ımi.	:Tin	01-22 g_C / 62 RH ZONTAL
97	uV/m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC DS	-AV15.407					
50		-AV <u>13.407</u>					
40							
30							
20							
10							
0 <mark></mark>	880	0.	16600.	24400.	32200.	4000	]
			Frequency (M				
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10480.00	Н	Peak	33.55	18.30	51.85	68.30	-16.45



Operation Bar Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20 :5260 MHz :Tx CH LOV :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	]_C / 62 RH
97 Level (dB	uV/m)						
90				·			
80	·						
70	·				FCC	RSE PEAK15.407	
60	FCC RS	E-AV <u>15.407</u>					
50	· · · · · · · · · · · · · · · · · · ·						
40	·						
30							
20							
10							
0 <mark></mark> 1000	880	0.	16600. Frequency (Mi	24400. Hz)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10520.00	н	Peak	31.72	19.38	51.10	68.30	-17.20



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20 :5260 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			)1-22 9_C / 62 RH 2ONTAL
97 Level (dl	BuV/m)						
90							
<mark>80</mark>							
70					FCC	RSE PEAK15.407	
<mark>60</mark>	FCC RS	E-AV15.407				       	
<b>50</b>				       		       	
40						1 1 1 1	
30							
20							
10				· · · · · · · · · · · · · · · · · · ·		·	
0 <mark></mark> 1000	880	00.	16600. Frequency (N	24400. IHz)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10520.00	Н	Peak	32.05	19.38	51.43	68.30	-16.87



10600.00

Н

Н

Operation M	al Frequency	:Tx CH MID		Test Date Temp./Hu Engineer	umi.	:21 de :Tin	-01-22 eg_C / 62 RH
EUT Pol.		:H Plane		Measure	ment Antenna	Pol. :VER	FICAL
97	dBuV/m)						_
90							
80		1		     			
70					FC	C RSE PEAK15.407	<u>r.</u>
60						     	
50	FCC RS	E-AV <u>15.407</u>					
		1					
40							
30			L				
20							
10	· · · · · · · · · · · · · · · · · · ·					i  1 1	
0 <mark>0</mark>	88		16600.	24400.	32200.	400	200
1000	00		Frequency (I		52200.	400	100
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.33

32.55

Average

Peak

18.91

18.91

40.24

51.46

54.00

74.00

-13.76

-22.54



10600.00

Н

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20l :5300 MHz :Tx CH MID :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	01-22  _C / 62 RH CONTAL
97 Level (d	BuV/m)						
90							
80							
70					FC	C RSE PEAK15.407	
60	FCC RS	E-AV1 <u>,5.407</u>					
50		2					
40		1					
30						       	
20						       	
10							
0	880	<b>00.</b>	16600. Frequency (MH	24400.	32200.	4000	0
				-,			
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

Average

Peak

18.91

18.91

40.40

50.98

21.49

32.07

54.00

74.00

-13.60

-23.02

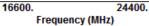


			Free	luency (MHz)			
0 <sup>L</sup> 1000	8800		16600.	24400.	32200.	40000	
10							
10				· · · · · · · · · · · · · · · · · · ·			
20	 			· · · · · · · · · · · · · · · · · · ·	1 1 		
30	/       						
40							
40			     				
50				· · · · · · · · · · · · · · · · · · ·			
60	FCC RSF.	AV15.407					
70	I I I		· · · · · · · · · · · · · · · · · · ·		FCC RS	E PEAK15.407	
80							
90							
97	/m)						
1 01.				weasu	ement Antenna Po	I	
Pol.		:H Plane		· ·			
damental Fr ration Mode		:5320 MF :Tx CH H		Temp./Humi. Engineer		:21 deg_C / 6 :Tin	
ration Band		:802.11n2			Test Date		

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
10640.00	Н	Average	21.36	19.19	40.55	54.00	-13.45	
10640.00	Н	Peak	33.10	19.19	52.29	74.00	-21.71	



Operation Band Fundamental Frequ Operation Mode EUT Pol.	:802.11 iency :5320 N :Tx CH :H Plar	ИНz HIGH	Test Date Temp./Hu Engineer Measuren	mi. nent Antenna Pol	:2018-01-22 :21 deg_C / :Tin :HORIZONT	
97 Level (dBuV/m)						
90						
80						
70				FCC RSE	PEAK15.407	
60	FCC RSE-AV15.407					
50	100 K3L-HV 25.407			             		
40		       		1 1 1 1 1 1 1 1 1		
30		       		 		
20				· · · · · · · · · · · · · · · · · · ·		
10						
0	8800.	16600.	24400.	32200.	40000	



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10640.00	Н	Average	21.53	19.19	40.72	54.00	-13.28
10640.00	Н	Peak	32.84	19.19	52.03	74.00	-21.97



11000.00

Н

Н

Operation Band Fundamental Frequen Operation Mode	:Tx CH LO		Test Date Temp./Hu Engineer	umi.	:Tin	g_C / 62 RH
EUT Pol.	:H Plane		Measure	ment Antenna	Pol. :VERT	ICAL
97 Level (dBuV/m)						-
90						
80						
70				FC	C RSE PEAK15.407	
60	CRSE-AV15.407					
50			       		 	
40					 	
30						
20						
10						
0	8800.	16600.	24400.	32200.	400	 00
		Frequency (M	IHz)			
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	S PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.29

32.75

Average

Peak

20.16

20.16

41.45

52.91

54.00

74.00

-12.55



11000.00

Н

Н

Operation Band Fundamental Frequency Operation Mode	:802.11n20E :5500 MHz :Tx CH LOV		Test Date Temp./Humi. Engineer			-01-22 eg_C / 62 RH
EUT Pol.	:H Plane		Measure	ment Antenna	Pol. :HOR	IZONTAL
97						
90						]
80						
70	·····			FC	C RSE PEAK15.40	<u>7.</u>
60 FCC RSE	-AV15.407			$= - \frac{1}{\frac{1}{1}} =$		
50						
40		· · · · · · · · · · · · · · · · · · ·				
30	· · · · · · · · · · · · · · · · · · ·					
20						
10						
0 <sup>1</sup> 1000 880	0.	16600.	24400.	32200.	40	000
		Frequency (MHz	Z)			
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
		·		• •	• •	

21.58

32.75

Average

Peak

20.16

20.16

41.74

52.91

54.00

74.00

-12.26



11160.00

Н

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n20l :5580 MHz :Tx CH MID :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	_C / 62 RH
97 Level (d	BuV/m)						
90 90							
80							
70					FCC	RSE PEAK15.407	
<b>60</b>		E-AV1 <u>5,407</u>					
<b>50</b>	TCCNS					· · · · · · · · · · · · · · · · · · ·	
40		1					
30	·						
20							
10		·				       	
0	880	0.	16600.	24400.	32200.	4000	n
			Frequency (MH				-
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
-		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.39

31.62

Average

Peak

20.44

20.44

41.83

52.06

54.00

74.00

-12.17



11160.00

Н

Н

Operation Band Fundamental Frequenc Operation Mode EUT Pol.	:802.11n20 :5580 MHz :Tx CH MID :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	01-22 g_C / 62 RH ZONTAL
97 Level (dBuV/m)						
90						
80						
70				FC(	C RSE PEAK15.407	
60 FCC	RSE-AV152407					
50						
40						
30						
20					·	
10						
0						
01000	8800.	16600. Frequency (N	24400. IHz)	32200.	4000	Ĵ0
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.62

32.46

Average

Peak

20.44

20.44

42.06

52.90

54.00

74.00

-11.94



Dperation Bar Fundamental Dperation Mo EUT Pol.	Frequency	:802.11n20 :5700 MHz :Tx CH HIG :H Plane		Test Date Temp./Hu Engineer Measurer		:Tin	]_C / 62 RH
97	uV/m)						1
<b>90</b>							
80							
70					FC(	C RSE PEAK15.407	
60	FCC RSF	-AV1 <u>5,407</u>					
50							
40		1		1 1 1 1		       	
30				       		       	
<b>20</b>				1 1 1 1		       	
10							
0 <mark></mark> 1000	880	0.	16600. Frequency (MH	24400.  z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin

		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11400.00	Н	Average	21.39	20.56	41.95	54.00	-12.05
11400.00	Н	Peak	30.96	20.56	51.52	74.00	-22.48



Dperation Band Fundamental Frequency Dperation Mode EUT Pol.	:802.11n20E :5700 MHz :Tx CH HIGI :H Plane		Test Date Temp./Hu Engineer		:Tin	_C / 62 RH
	.iiii ianc		Measuren	nent Antenna P		
97 Level (dBuV/m)						
90			·			
80		· · · · · · · · · · · · · · · · · · ·				
70				FCC R	SE PEAK15.407	
60 FCC RSI	E-AV1 <u>5,407</u>					
50						
40						
30						
20			·			
10						
0 <mark></mark>	0.	16600.	24400.	32200.	40000	
		Frequency (N		012001		
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe

Fleq.	Note	Delector	Spectrum	Factor	Actual	LIIIII	Sale	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB	
11400.00	н	Average	21.57	20.56	42.13	54.00	-11.87	
11400.00	Н	Peak	31.87	20.56	52.43	74.00	-21.57	



11490.00

Н

Н

Operation Bar Fundamental I Operation Mod EUT Pol.	Frequency	:802.11n20l :5745 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			1-22 _C / 62 RH CAL
97	uV/m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RSF	-AV15.407					
50							
40							
30							
20					         	 	
10							
0	880	0.	16600. Frequency (MHz	24400. )	32200.	40000	)
Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Safe Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

20.88

33.09

Average

Peak

20.42

20.42

41.30

53.51

54.00

74.00

-12.70

-20.49



11490.00

Н

Н

Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11n20B4 :5745 MHz :Tx CH LOW :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			1-22 _C / 62 RH ONTAL
97 <mark>Level (dBuV/m)</mark>						
90						
80						
70			· · · · · · · · · · · · · · · · · · ·	FCC I	RSE PEAK15.407	
60	-AV15.407					
50	-AV 1 <u>5.407</u>					
40	1					
30			·			
20						
10						
08800	).	16600. Frequency (MHz	24400.	32200.	40000	)
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

20.91

31.59

Average

Peak

20.42

20.42

41.33

52.01

54.00

74.00

-12.67



11570.00

Н

Н

Operation Ba Fundamenta Operation Ma EUT Pol.	I Frequency	:802.11n20l :5785 MHz :Tx CH MID :H Plane		Test Date Temp./Hu Engineer Measure	ımi.	:Tin	_C / 62 RH
97	BuV/m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC BS	E-AV15.407				· · · · · · · · · · · · · · · · · · ·	
50						·	
40		1	· · · · · · · · · · · · · · · · · · ·	·			
30				       			
20							
10							
0 <mark></mark>	880	) <b>0.</b>	16600. Frequency (MH	24400. z)	32200.	4000	)
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

20.97

32.86

Average

Peak

20.58

20.58

41.55

53.44

54.00

74.00

-12.45

-20.56



11570.00

Н

Н

Operation Fundamen Operation EUT Pol.	ntal Frequency	:802.11n20E :5785 MHz :Tx CH MID :H Plane		Test Dat Temp./H Enginee Measure	:Tin	01-22 J_C / 62 RH CONTAL	
97	el (dBuV/m)						1
<b>90</b>							
80							
70	· · · · · · · · · · · · · · · · · · ·				F(	C RSE PEAK15.407	
60	ECC BSI	E-AV15.407	·				
50	FCC N3	-AV 13.907					
40		1					
30						·	
20							
10							
0	0 880	0	16600.	24400.	32200.	4000	0
100	0 000	0.	Frequen		52200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Lev	vel	FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.17

31.67

Average

Peak

20.58

20.58

41.75

52.25

54.00

74.00

-12.25



peration Bar undamental peration Mo JT Pol.	Frequency	:802.11n20 :5825 MHz :Tx CH HIG :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	_C / 62 RH
				Medourer		01.	
97 Level (dB	uV/m)				-,,	· · · · · · · · · · · · · · · · · · ·	
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RSF	-AV15.407					
50							
40		1					
30							
20							
10							
0 1000	880	0.	16600. Frequency	24400. (MHz)	32200.	40000	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
					F0	<b>O</b> 0	

		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
11650.00	Н	Average	20.77	20.43	41.20	54.00	-12.80
11650.00	Н	Peak	31.82	20.43	52.25	74.00	-21.75



Operation Band Fundamental Frequency Operation Mode	:802.11n20B4 :5825 MHz :Tx CH HIGH	Test Date Temp./Humi. Engineer	:2018-01-22 :23 deg_C / 62 RH :Tin
EUT Pol.	:H Plane	Measurement Antenna Pol.	:HORIZONTAL
97 Level (dBuV/m)			·
90			
80			
70		FCC RSE	PEAK15.407
60	M/4E 407		
50	E- <b>AV1<u>5.407</u> 2</b>		
40	1		· ·
30			· ·
20			1 1 1 1 1
10			
0			
°1000 880	0. 16600. Frequenc	24400. 32200.	40000
		, (	

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
11650.00	Н	Average	21.07	20.43	41.50	54.00	-12.50	
11650.00	Н	Peak	30.51	20.43	50.94	74.00	-23.06	



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n40l :5190 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	_C / 62 RH
97 Level (dE	BuV/m)						
90							
80							
70					FCC F	RSE PEAK15.407	
60	FCC RS	F-AV15 407					
50		E-AV1 <u>5.407</u> 1					
40				1 1 1 1			
30				1 1 1 1 1			
20							
10							
0 <mark></mark> 1000	880	00.	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10380.00	Н	Peak	32.38	18.12	50.50	68.30	-17.80



Operation Ba Fundamental Operation Mc EUT Pol.	Frequency	:802.11n40 :5190 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:Tin	01-22 9_C / 62 RH CONTAL
97 Level (dl	BuV/m)						
90							
80				1 1 1 1			
70					FCC I	RSE PEAK15.407	
<b>60</b>		E-AV15.407					
50		1					
40							
30						       	
20							
10							
0 <mark></mark> 1000	880	00 <b>.</b>	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10380.00	Н	Peak	31.40	18.12	49.52	68.30	-18.78



Н

Dperation Band Fundamental Fr Dperation Mode	equency	:802.11n40 :5230 MHz :Tx CH HIG		Test Date Temp./Hu Engineer	umi.	:Tin	g_C / 62 R⊦
UT Pol.		:H Plane		Measure	ment Antenna	Pol. :VERT	ICAL
97	/m)						-
90	   						
80							
70					FC(	RSE PEAK15.407	
60	FCC DE	T AV4E 407					
50	FUC KS	E-AV <u>15.407</u>					
40							
30	· · ·			·			
20				·		       	
10	 	· · · · · · · · · · · · · · · · · · ·		·		       	
0	880	0	16600.	24400.	32200.	400	 no
1000			Frequency (MH		52200.	400	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
·		Mode	Reading Level		FS	@3m	Margin
MHz F	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
		<b>.</b> .	00.40	40 55		~~~~	

32.16

Peak

18.55

50.71

68.30

-17.59



Н

Dperation Band Fundamental Fre Operation Mode		:802.11n40 :5230 MHz :Tx CH HIG		Test Date Temp./Hu Engineer	umi.	:2018- :21 de :Tin	01-22 g_C / 62 R⊦
UT Pol.		:H Plane		Measure	ment Antenna	Pol. :HORI	ZONTAL
97 Level (dBuV/	m)						-
90							
80							
70					FC(	C RSE PEAK15.407	
60	FCC 00	E AV4E 407					
50	FUC KS	E-AV <u>15.407</u>					
40							
30							
20						       	
10	 					     	
0	880	0	16600.	24400.	32200.	400	00
1000			Frequency (MH		ULLUU.		
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz F	/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
		<b>–</b> .				~~ ~~	· <b>-</b> - ·

32.24

Peak

18.55

50.79

68.30

-17.51



Fundamental Frequency :5270 Operation Mode :Tx C		:802.11n40 :5270 MHz :Tx CH LOV :H Plane	MHz Temp./H H LOW Enginee		umi.	:21 deg :Tin	:2018-01-22 :21 deg_C / 62 RH :Tin :VERTICAL	
97 Level (dE	BuV/m)							
90								
80								
70					FCC	RSE PEAK15.407		
60	FCC RS	E-AV <u>15.407</u>						
50								
40	             							
30								
20								
10								
0 <mark></mark> 1000	880	00.	16600. Frequency (M	24400. Hz)	32200.	4000	0	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB	
10540.00	н	Peak	31.83	19.17	51.00	68.30	-17.30	



Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11n40 :5270 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol			01-22 g_C / 62 RH ZONTAL
97	BuV/m)						
90							
80		     		     			
70					FCC	RSE PEAK15.407	
<b>60</b>	FCC BS	E-AV15.407					
<b>50</b>		L-AV 13.401					
40							
30							
20							
10							
0							
0 <mark>1000</mark>	88(	00.	16600. Frequency (MI	24400. Iz)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10540.00	Н	Peak	32.22	19.17	51.39	68.30	-16.91



Operation Band Fundamental Frequency Operation Mode	Frequency :5310 MHz		Test Date Temp./Humi. Engineer	:2018-01-22 :21 deg_C / 62 RH :Tin	
EUT Pol.	:H Plane		Measurement	Antenna Pol.	:VERTICAL
97 Level (dBuV/m)	:	· · ·			
90					
80					
70				FCC RSE P	EAK15.407
60	E-AV1 <u>5.407</u>				
50	2				
40	1				
30					
20					
10					
0 <mark>88</mark>	00. 1	6600. Frequency (MH	24400. iz)	32200.	40000

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	_
10620.00	Н	Average	21.41	19.11	40.52	54.00	-13.48	
10620.00	Н	Peak	31.82	19.11	50.93	74.00	-23.07	



Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11n40B2 :5310 MHz :Tx CH HIGH :H Plane	Engineer	Temp./Humi.	
		WedSuren	ient Antenna Pol.	:HORIZONTAL
97 Level (dBuV/m)				
90				
80				
70			FCC RSE P	EAK15.407
60 FCC RS	E-AV <u>1,5.407</u>			
50				
40				
30				
20				
10				
0 <mark>1000 880</mark>	0. 16600		32200.	40000
		Frequency (MHz)		

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10620.00	Н	Average	21.57	19.11	40.68	54.00	-13.32
10620.00	Н	Peak	32.60	19.11	51.71	74.00	-22.29



11020.00

Н

Н

Operation Bar Fundamental Operation Mo	Frequency	:802.11n408 :5510 MHz :Tx CH LOV		Test Date Temp./Hu Engineer	ımi.	:Tin	_C / 62 RH
EUT Pol.		:H Plane		Measure	ment Antenna	Pol. :VERTI	CAL
97 Level (dE	BuV/m)						
90				·			
80							
70					FCC	RSE PEAK15.407	
60	FCC RS	E-AV1 <u>5,407</u>					
50	TCC N3			·	· · · · · · · · · · · · · · · · · · ·		
40		1					
30				·			
20				·			
10				·		 	
0 <mark></mark>			40000	24400	22200		•
1000	880	<i>i</i> 0.	16600. Frequency (MH	24400. z)	32200.	4000	U
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.35

31.84

Average

Peak

20.16

20.16

41.51

52.00

54.00

74.00

-12.49

-22.00



11020.00

н

Н

Operation Ba Fundamenta Operation M EUT Pol.	amental Frequency :5510 MHz Temp./Humi. ation Mode :Tx CH LOW Engineer		:Tin	1-22 _C / 62 RH CONTAL			
97	iBuV/m)						
90							
80							
70	J				FCC	RSE PEAK15.407	
60		E-AV15,407					
50	rcc Ka	L-AV 13407					
40							
30							
20							
10							
0		-					_
°1000	880	10.	16600. Frequency (N	24400. ЛНz)	32200.	4000	U
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

Average

Peak

20.16

20.16

21.49

31.98

41.65

52.14

54.00

74.00

-12.35



11100.00

Н

Н

Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11n40B :5550 MHz :Tx CH MID :H Plane	33	Test Date Temp./Hu Engineer Measuren	mi. nent Antenna F	:Tin	_C / 62 RH
97_Level (dBuV/m)						
90						
80						
70				FCC	RSE PEAK15.407	
60 FCC RSE-	۵V/15/407			· · · · · · · · · · · · · · · · · · ·		
50						
40				· · · · · · · · · · · · · · · · · · ·		
30				1 1 1 1 		
20				1 1 1 1 		
10						
0 <mark></mark>		16600.	24400.	32200.	4000	0
		Frequency (MHz)	)			
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

21.32

33.36

Average

Peak

20.32

20.32

41.64

53.68

54.00

74.00

-12.36

-20.32



11100.00

Operation Fundame Operation EUT Pol.	ntal Frequency	:802.11n40l :5550 MHz :Tx CH MID :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	1-22 _C / 62 RH CONTAL
97	el (dBuV/m)						
90							
80	·			     			
70					FCC	RSE PEAK15.407	
60	FCC RSI	E-AV15,407					
50							
<b>40</b>	·						
30							
20							
10							
0 <mark>0</mark>	0 880	0	16600.	24400.	32200.	4000	0
100	0 000		Frequency (MH)		52200.	4000	U
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
		_					

Average

Peak

Н

Н

21.44

31.93

20.32

20.32

41.76

52.25

54.00

74.00

-12.24



peration Band undamental Frequency peration Mode	:802.11n40B3 :5670 MHz :Tx CH HIGH	Test Date Temp./Humi. Engineer	:2018-01-22 :21 deg_C / 62 RH :Tin
JT Pol.	:H Plane	Measurement Antenna	Pol. :VERTICAL
97 Level (dBuV/m)		i i i	
90	· · · · · · · · · · · · · · · · · · ·		
80			
70		FC	C RSE PEAK15.407
60 FCC RSF	-AV15,407		
50			
40			
30			
20			
10			
0 <mark>0 1000 880</mark>		24400. 32200. uency (MHz)	40000
Freq. Note	Detector Spectr	um Factor Actual	Limit Safe

		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB	
								_
11340.00	Н	Average	21.40	20.38	41.78	54.00	-12.22	
11340.00	Н	Peak	31.97	20.38	52.35	74.00	-21.65	



Pperation Band undamental Frequency Operation Mode	:802.11n40B3 :5670 MHz :Tx CH HIGH	Test Date Temp./Humi. Engineer		:2018-01-22 :21 deg_C / 62 RH :Tin	
UT Pol.	:H Plane	Measurement	Antenna Pol.	:HORIZONTAL	
97 Level (dBuV/m)					
90					
80					
70			FCC RSE PL	AK15.407	
60 FCC RSE	-AV15;407		· · · · · · · · · · · · · · · · · · ·		
50	-AV 1.3907		· · · · · · · · · · · · · · · · · · ·		
40	1		· · · · · · · · · · · · · · · · · · ·		
30			· · · · · · · · · · · · · · · · · · ·		
20					
10					
0		24400. uency (MHz)	32200.	40000	
Freq. Note	Detector Spectr	um Factor A	Actual Li	mit Safe	

		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
11340.00	н	Average	21.52	20.38	41.90	54.00	-12.10	
11340.00	Н	Peak	32.09	20.38	52.47	74.00	-21.53	



11510.00

Н

Н

Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11n40E :5755 MHz :Tx CH LOW :H Plane		Test Date Temp./Hu Engineer Measuren		:Tin	_C / 62 RH
97 Level (dBuV/m)						
90						
80						
70				FCCI	RSE PEAK15.407	
60	-AV15.407					
50						
40			 	i i 		
30						
20			       		     	
10						
0 <mark>0</mark> 8800	) D.	16600. Frequency (MHz	24400. :)	32200.	40000	)
Freq. Note	Detector	Spectrum	Factor	Actual	Limit	Safe
	Mode	Reading Level		FS	@3m	Margin
MHz F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

22.08

31.72

Average

Peak

20.38

20.38

42.46

52.10

54.00

74.00

-11.54



11510.00

Н

Н

Operation Band Fundamental Frequency Operation Mode EUT Pol.		:802.11n40B4 :5755 MHz :Tx CH LOW :H Plane		Test Date Temp./Hu Engineer Measure	umi.	:Tin	_C / 62 RH
97	BuV/m)						
90							
80							
70					FCC	RSE PEAK15.407	
60	FCC RSF	-AV15.407					
<b>50</b>							
40							
30							
20							
10			 				
0 <mark></mark>	880	0.	16600.	24400.	32200.	4000	D
			Frequency (MHz	L)			
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

21.45

31.20

Average

Peak

20.38

20.38

41.83

51.58

54.00

74.00

-12.17

-22.42



eration Band ndamental Frequency eration Mode	:802.11n40B4 :5795 MHz :Tx CH HIGH		Test Date Temp./Humi. Engineer		:2018-01-22 :23 deg_C / 62 RH :Tin
IT Pol.	:H Plane		Measurement	Antenna Pol.	:VERTICAL
97 Level (dBuV/m)					
90					
80					
70				FCC RSE P	EAK15.407
60 FCC RS	E-AV15.407				
50					
40					
30					
20			· · · · · · · · · · · · · · · · · · ·		
10					
0 1000 88	)0. 10	6600.	24400.	32200.	40000
		Frequency (MH	Z)		
Frea Note	Detector	Spectrum	Factor A	Actual Li	imit Safe

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
11590.00	Н	Average	21.11	20.43	41.54	54.00	-12.46	
11590.00	Н	Peak	32.33	20.43	52.76	74.00	-21.24	



Operation Band Fundamental Frequenc Operation Mode	:802.11n40B4 y :5795 MHz :Tx CH HIGH		Test Date Temp./Humi. Engineer		:2018-01-22 :23 deg_C / 62 RH :Tin
EUT Pol.	:H Plane		Measurement	Antenna Pol.	:HORIZONTAL
97 Level (dBuV/m)					
90		·			
80		· · · · · · · · · · · · · · · · · · ·			
70		· L		FCC RSE P	EAK15.407
60 FCC F	RSE-AV1 <u>5.4</u> 07				
50					
40					
30					
20				             	
10		· · · · · · · · · · · · · · · · · · ·			
0 <mark></mark> 8	800.	16600. Frequency (MH	24400. Iz)	32200.	40000

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	
11590.00	Н	Average	21.27	20.43	41.70	54.00	-12.30	
11590.00	Н	Peak	31.76	20.43	52.19	74.00	-21.81	



Operation Ba Fundamental Operation Mc EUT Pol.	Frequency	:802.11ac8( :5210 MHz :Tx CH LOV :H Plane		Test Date Temp./Hu Engineer Measurer	ımi.	:Tin	g_C / 62 RH
97 Level (dE	BuV/m)						_
90							
80							
70					FC(	C RSE PEAK15.407	
60		E AV/45 407					
50		E-AV <u>15.407</u>					
40						·	
30							
20						 	
10				       		         	
0	880	0.	16600.	24400.	32200.	4000	
1000			Frequency (M		022001	1000	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
10420.00	Н	Peak	32.44	18.71	51.15	68.30	-17.15



Operation Ba Fundamental Operation Mc EUT Pol.	Frequency	:802.11ac8( :5210 MHz :Tx CH LOV :H Plane		Test Date Temp./Hu Engineer Measurer		:Tin	01-22 g_C / 62 RH ZONTAL
97 Level (dE	BuV/m)						_
90							
80						       	
70					FC(	C RSE PEAK15.407	
60	FCC DS	F AV4E 407					
50	FUCKS	E-AV <u>15.407</u> 1					
40							
30							
20							
10							
0	880	0	16600.	24400.	32200.	4000	
1000	000		Frequency (I		32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10420.00	Н	Peak	31.55	18.71	50.26	68.30	-18.04



Н

Indamenta	ration Band:802.11ac80B2Test Datedamental Frequency:5290 MHzTemp./Humi.ration Mode:Tx CH HIGHEngineer		:2018-01-22 :21 deg_C / 62 RI :Tin				
JT Pol.		:H Plane		Measure	ment Antenna F	ol. :VERT	ICAL
97	BuV/m)						_
90							
80							
70					FCC	RSE PEAK15.407	
60		-AV15.407					
50							
40							
30				   			
20							
10							
0	880	0.	16600. Frequency (MH	24400. z)	32200.	400	00
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

32.29

Peak

18.88

51.17

68.30

-17.13



10580.00

Н

peration Bar Indamental I peration Mod	Frequency	:802.11ac80 :5290 MHz :Tx CH HIG		Test Date Temp./Hu Engineer	umi.	:2018-0 :21 deo :Tin	)1-22 g_C / 62 RH
JT Pol.		:H Plane		Measure	ment Antenna I	ol. :HORIZ	ZONTAL
97	uV/m)						
90							
80							
70					F66	RSE PEAK15.407	
60	FCC RS	E-AV1 <u>5.407</u>		· İ			
50				 I I		 	
40				·			
30						   	
20				     			
10	· · · · · · · · · · · · · · · · · · ·						
0 <mark>1000</mark>	880	00.	16600. Frequency (MH	24400. z)	32200.	4000	0
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

32.25

Peak

18.88

51.13

68.30

-17.17



11060.00

Н

Н

Operation Bar Fundamental Operation Mod EUT Pol.	Frequency	:802.11ac8( :5530 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol.			-01-22 eg_C / 62 RH FICAL
97 Level (dB	uV/m)						
90							
80							
70					FC(	C RSE PEAK15.407	<u>r.</u>
60		E-AV15,407					
50	TCC KSI	AV 1 <u>3407</u>					- 1
40							
30							
20					i i 		
10						   	
0	880	0	16600.	24400.	32200.	40	000
1000	000	····	Frequency (MH)		52200.	40	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB

21.33

32.18

Average

Peak

20.27

20.27

41.60

52.45

54.00

74.00

-12.40

-21.55



11060.00

н

Н

Operation Ba Fundamental Operation Mo EUT Pol.	Frequency	:802.11ac8( :5530 MHz :Tx CH LOV :H Plane		Test Date Temp./Humi. Engineer Measurement Antenna Pol			:2018-01-22 :21 deg_C / 62 RH :Tin :HORIZONTAL		
97	BuV/m)								
<mark>90</mark>									
80									
70					FC	C RSE PEAK15.40	<u>)7.</u>		
60		-AV15,407							
50		-40134407							
40		1							
30									
20						       			
10						     			
0									
°1000	880	0.	16600. Frequency (MHz	24400. <u>(</u> )	32200.	40	0000		
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe		
		Mode	Reading Level		FS	@3m	Margin		
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB		

21.40

32.72

Average

Peak

20.27

20.27

41.67

52.99

54.00

74.00

-12.33

-21.01



Operation Band Fundamental Freque Operation Mode EUT Pol.		HIGH	Test Date Temp./Humi. Engineer Measurement Antenna Pol.		:2018-01-22 :21 deg_C / 62 RH :Tin :VERTICAL
97 Level (dBuV/m)					
90					
80					1 1 1 1
70			- J	FCC RSE	PEAK15.407
60	FCC RSE-AV15,407				
50					
40					
30					 
20		       			1 
10					
0 <mark></mark>	8800.	16600.	24400.	32200.	40000



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11220.00	Н	Average	21.48	20.47	41.95	54.00	-12.05
11220.00	Н	Peak	30.95	20.47	51.42	74.00	-22.58



0<mark>1000</mark>

8800.

40000

32200.

Operation Band Fundamental Frequency Operation Mode EUT Pol.	:802.11ac80B3 :5610 MHz :Tx CH HIGH :H Plane	Test Date Temp./Humi. Engineer Measurement Antenna Pol.	:2018-01-22 :21 deg_C / 62 RH :Tin :HORIZONTAL						
97_Level (dBuV/m)									
90									
30									
80		· · · · · · · · · · · · · · · · · · ·							
70		FCC RSE P	EAK15.407						
60	j								
FCC RSE	-AV1 <u>5,407</u>								
50									
40									
30									
50									
20									
10									

Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe
		Mode	Reading Level		FS	@3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB
11220.00	Н	Average	21.54	20.47	42.01	54.00	-11.99
11220.00	Н	Peak	32.08	20.47	52.55	74.00	-21.45

Frequency (MHz)

24400.

16600.



11550.00

11550.00

н

Н

-12.07

-21.80

54.00

74.00

Operation Band:802.11ac80B4Fundamental Frequency:5775 MHzOperation Mode:Tx CH LOWEUT Pol.:H Plane			Test Date Temp./Humi. Engineer			:2018-01-22 :23 deg_C / 62 RH :Tin :VERTICAL		
				Measure	ment Antenna	PolVEIN	VENTORE	
97	uV/m)							
97								
80								
					FCC	RSE PEAK15.407	•	
70						NOE PEARISHUI	_	
60	FCC RSI	E-AV1 <u>5.407</u>			· <sup>1</sup>			
50				   	·			
40								
30					· <sup>1</sup>			
20								
10					·			
0								
0 <sup>L</sup> 1000	880	0.	16600. Frequency (MH	24400. z)	32200.	400	000	
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB	

21.42

31.69

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Average

Peak

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20.51

20.51

41.93

52.20



Н

Operation Ba Fundamental Operation Mc EUT Pol.	amental Frequency :5775 MHz ation Mode :Tx CH LOW			Test Date Temp./Humi. Engineer Measurement Antenna Pol.			:2018-01-22 :23 deg_C / 62 RH :Tin :HORIZONTAL	
97 Level (df	BuV/m)						7	
<mark>90</mark>				·				
80								
70					FCC	RSE PEAK15.407		
<u>60</u>	FCC RS	E-AV15.407		·		       		
<b>5</b> 0				·		       		
40				·		       		
30				·		       		
20		·				       		
10						         		
0 <mark></mark>	880	00.	16600.	24400.	32200.	4000	] 00	
Frequency (MHz)								
_								
Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Safe	
		Mode	Reading Level		FS	@3m	Margin	
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBµV/m	dBµV/m	dB	
11550.00	Н	Average	21.11	20.51	41.62	54.00	-12.38	
11000.00				20.01	71.02	54.00	-12.00	

~ End of Report ~

31.56

Peak

20.51

52.07

74.00

-21.93