



# Report No.: AAEMT/EMC/220328-02-04 FCC RADIO TEST REPORT Part 15 subpart E FCC ID: 2A8AKQC610-410EVK

Report Reference No. ..... : AAEMT/EMC/220328-02-04

Date of issue ..... : 2022-05-05

Testing Laboratory:	AA Electro Magnetic Test Laboratory Private Limited
	Plot No 174, Udyog Vihar - Phase 4, Sector 18,
Address:	Gurgaon, Haryana, India

Applicant's name:	VVDN Technologies Pvt. Ltd.
Address:	398, Sector 8, Imt Manesar, Gurugram, Haryana 122051.
Manufacturer :	VVDN Technologies Pvt. Ltd.
Address	398, Sector 8, Imt Manesar, Gurugram, Haryana 122051
Test specification:	
Test item description:	QCS610-410EVK
Trade Mark: :	VVDN
Model/Type reference:	QCS610 EVK (SOM+Carrier)
Ratings:	Input of EUT: Powered through Adapter
	Input for Meanwell adapter: 110-240VAC,50/60Hz,1.4A,

Prepared By (+ signature) Ankur Kumar:

Output: 12VDC,5A, 60W (max)

Reviewed & Approved by: (+ signature) Dr. Lenin Raja (Authorized Representative) (/ lenin83/)





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# **TEST REPORT DECLARE**

Applicant	:	VVDN Technologies Pvt. Ltd.
Address	:	398, Sector 8, Imt Manesar, Gurugram, Haryana 122051.
Equipment under Test	:	QCS610-410EVK
Model No	:	QCS610 EVK (SOM+Carrier)
Derivative model No.:	:	QCS410 SOM, QCS610 SOM
Trade Mark	:	VVDN
Manufacturer	:	VVDN Technologies Pvt. Ltd.
Address	:	398, Sector 8, Imt Manesar, Gurugram, Haryana 122051.

Test Standard Used: FCC Part 15E 15.407

Test procedure used: ANSI C63.10-2013 and KDB 789033 D02 General UNII Test Procedures New Rules v02r01 .

#### We Declare:

The equipment described above is tested by AA Electro Magnetic Test Laboratory Private Limited and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and AA Electro Magnetic Test Laboratory Private Limited is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	AAEMT/EMC/220328-02-04			
Date of Test:	Mar. 28 ~ May. 04, 2022	Date of Report:	May. 05, 2022	

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of AA Electro Magnetic Test Laboratory Private Limited





#### Report No.: AAEMT/EMC/220328-02-04

# 1. SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below.								
FCC Part15 (15.407) , Subpart E								
Description of Test Item Standard Results								
AC Power Line Conducted Emissions	FCC §15.207/ RSS-Gen	PASS						
Spurious Radiated Emissions	FCC §15.209(a), 15.407(b)	PASS						
26 dB and 99% Emission Bandwidth	FCC §15.407(a)	PASS						
Maximum Conducted Output Power	FCC §407(a)(1)	PASS						
Band Edges	FCC §2.1051, §15.407(b)	PASS						
Power Spectral Density	FCC §15.407(a)(1)	PASS						
Spurious Emissions at Antenna Terminals	FCC §2.1051, §15.407(b)	PASS						
Antenna Requirement	FCC §15.203	PASS						





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# 2. GENERAL TEST INFORMATION

# 2.1. DESCRIPTION OF EUT

EUT Name	:	QCS610-410EVK		
Model Number	:	QCS610 EVK (SOM+Carrier)		
Power supply	:	Input of EUT: Powered through Adapter Input for Meanwell adapter: 110-240VAC,50/60Hz,1.4A, Output: 12VDC,5A, 60W (max)		
Operation frequency	:	WiFi: 802.11a/n(HT20)/ac(VHT20): 5180MHz~5240MHz; 5745MHz~5825MHz 802.11n(HT40)/ac(VHT40): 5190MHz~5230MHz; 5755MHz~5795MHz 802.11ac(VHT80):5210MHz; 5775MHz		
Modulation	:	802.11a/n: BPSK/QPSK/16QAM/64QAM		
Data Rate	:	802.11a:6,9,12,18,24,36,48,54Mbps 802.11ac(VHT20):MCS0-MCS9 802.11ac(VHT40/80):MCS0-MCS9 802.11n(HT20):MCS0-MCS7 802.11n(HT40):MCS0-MCS7		
Antenna Type	:	Flexible Antenna with Cable		
Antenna gain	:	4.25dBi		
H/W No.	:	QCS610 SOM Board:-701-1-01948_A1 QCS410 SOM Board:-701-1-02751_A1 Carrier Board:- 701-1-01949_A3		
S/W No.	:	QCS410 SOM : FW version 0.0.2 QCS610 SOM : FW version 0.0.8		
Battery	:	N/A		
Date of Receipt	:	Mar. 28, 2022		





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	Channel List						
			802.11a/n	/ac (20MHz)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240
149	5745	153	5765	157	5785	161	5805
165	5825						
			802.11n/a	c (40MHz)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	151	5755	159	5795
	802.11ac (80MHz)						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	-	-	-	-	155	5775

## 2.2. ACCESSORIES OF EUT

No.	Equipment	Manufacturer	Model No.	Serial No.	Power cord	signal cable
1.	AC-DC Adapter	Meanwell	GST60A12	SC103R1080	1 m Unshielded wire	N/A
2.	Micro SD Card	Sandisk	32GB Class 10	-	-	-
3.	HDMI Monitor	LAPCARE	-	-		-
4.	HDMI Cable	-	-	-	N/A	1.5m shielded wire
5.	Camera Module	ECON	e-CAM83_CUMI415_MOD	-	N/A	N/A
6.	Camera Cable	I-PEX	81214-530B-300-1	-	N/A	30cm unshielded cable
7.	USB 3.0 Pen drive	Sandisk	16GB	-	N/A	N/A
8.	Ethernet Cable	-	-	-	N/A	2m UTP LAN Cable
9.	RF Antenna	Molex	1461530050	-	-	-





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### 2.3. ASSISTANT EQUIPMENT USED FOR TEST

Description of Assistant equipment	Manufacturer	Model number or Type	EMC Compliance	SN
Laptop	DELL	Latitude 3490	-	5M2Z1W2
DC Power Supply	JUNKE	JK1504K	-	20181126-43





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# 3. EQUIPMENTS LIST FOR ALL TEST ITEMS

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Spectrum Analyzer	Rohde and Schwarz	FSP40	101163	2020/12/11	2022/12/10
2	Loop antenna	DAZE Beijing	ZN30900C	18052	2021/01/29	2023/01/28
3	Hi power horn antenna	DAZE Beijing	ZN30700	18012	2021/01/30	2023/01/29
4	Horn antenna	DAZE Beijing	ZN30702	18006	2021/01/30	2023/01/29
5	Horn antenna	DAZE Beijing	ZN30703	18005	2021/01/30	2023/01/29
6	Preamplifier	KELIANDA	LNA-0009295	-	2021/01/13	2023/01/13
7	Preamplifier	KELIANDA	CF-00218	-	2021/01/13	2023/01/13
8	Bi conical Antenna	DAZE Beijing	ZN30505C	17038	2021/01/28	2023/01/29
9	EMI-RECEIVER	Schwarzbeck	FCKL	1528194	2021/01/13	2023/01/13
10	Spectrum Analyzer	ADVANTEST	R3361	-	2021/01/13	2023/01/13
11	LISN	Kyoritsu	KNW-407	8-1789-5	2021/01/13	2023/01/13
12	Network-LISN	Schwarzbeck	NNBM8125	81251314	2021/01/13	2023/01/13
13	Network-LISN	Schwarzbeck	NNBM8125	81251315	2021/01/13	2023/01/13
14	PULSELIMITE R	Rohde and Schwarz	ESH3-Z	100681	2022/05/13	2023/05/12
15	50ΩCoaxialSwitch	DAIWA	156515 7	-	2022/05/13	2023/05/12
16	50ΩCoaxialSwitch	-	_	-	2022/05/13	2023/05/12
17	Wireless signal power meter	DARE!!	RPR3006W	RFSW190220	2021/01/13	2023/01/13
18	Signal Generator	KEYSIGHT	N5181A	512071	2021/01/13	2023/01/13
19	RF Vector Signal Generator	Keysight	N5182B	512094	2021/01/13	2023/01/13
20	Spectrum analyzer	R&S	FSV-40N	101385	2021/01/13	2023/01/13

Plot No.174, UdyogVihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India Contact: 0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: <u>www.aaemtlabs.com</u>





No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
21	Radio Communication Tester	R&S	CMW 500	124589	2022/05/15	2023/5/14
22	Signal Generator	R&S	SMP02	837017/004 836593/005	2022/05/15	2023/5/14
23	DC Power Supply	Guanker	JK15040K	TNC/ET/C/0 01/15	2021/02/02	2023/02/01
24	Pro. Temp & Humi. chamber	MENTEK	MHP-150-1C	MAA081125 01	2021/02/02	2023/02/01
25	Attenuators	AGILENT	8494B	-	-	-
26	Attenuators	AGILENT	8495B	-	-	-





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# **3.1. BLOCK DIAGRAM OF EUT CONFIGURATION FOR TEST**



## **3.2. TEST ENVIRONMENT CONDITIONS**

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

Temperature range:	21-25°C
Humidity range:	40-75%
Pressure range:	86-106kPa

## **3.3. MEASUREMENT UNCERTAINTY**

No.	Item	Uncertainty
1	Conducted Emission Test	2.70dB
2	Radiated Emission Test	3.09dB
3	RF power, conducted	2.46dB
4	RF power density, conducted	2.24dB
5	Spurious emissions, conducted	2.71dB
6	All emissions, radiated(<1G)	3.08dB
7	All emissions, radiated(>1G)	3.09dB

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

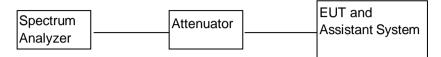




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# 4. POWER SPECTRAL DENSITY TEST

# 4.1. BLOCK DIAGRAM OF TEST SETUP



# 4.2. APPLIED PROCEDURES / LIMIT

### According to FCC §15.407(a)(3)

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omni directional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional

gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi..





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### 4.3. TEST PROCEDURE

(For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW  $\geq 1/T$ , where T is defined in section II.B.l.a).

b) Set VBW  $\geq$  3 RBW.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.</li>
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.





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# 4.4. TEST RESULT:

CH. No.	Frequency	power density (dBm/MHz)	Limit (dBm/MHz)	Result
		TX 802.11a Mode		
CH36	5180	10.16	11	Pass
CH44	5220	7.65	11	Pass
CH48	5240	9.75	11	Pass
		TX 802.11n20 Mode		·
CH36	5180	8.78	11	Pass
CH44	5220	8.75	11	Pass
CH48	5240	9.26 11		Pass
		TX 802.11n40 Mode		
CH38	5190	5.63	11	Pass
CH46	5230	6.76	11	Pass
		TX 802.11ac20 Mode		
CH36	5180	9.03	11	Pass
CH44	5220	8.96	11	Pass
CH48	5240	4.94	11	Pass
		TX 802.11ac40 Mode		
CH38	5190	4.77	11	Pass
CH46	5230	6.79	11	Pass
		TX 802.11ac80 Mode		
CH42	5210	3.42	11	Pass





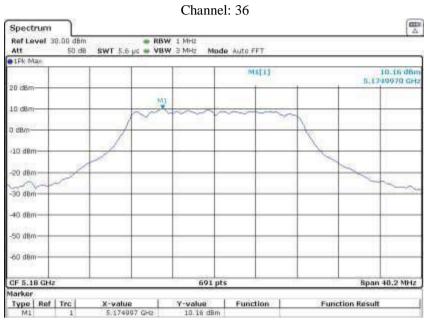
	Frequency	Limit (dBm/500KHz)	Limit (dBm/500KHz)	Result
		TX 802.11a Mode		
CH 149	5745	9.00	30	Pass
CH 157	5785	7.73	30	Pass
CH 165	5825	8.16	30	Pass
		TX 802.11n20 Mode		
CH 149	5745	7.44	30	Pass
CH 157	5785	8.57	30	Pass
CH 165	5825	7.24	30	Pass
		TX 802.11n40 Mode		
CH151	5755	4.48	30	Pass
CH159	5795	4.88	30	Pass
		TX 802.11ac20 Mode		
CH 149	5745	8.52	30	Pass
CH 157	5785	7.69	30	Pass
CH 165	5825	7.23	30	Pass
		TX 802.11ac40 Mode		
CH151	5755	5.49	30	Pass
CH159	5795	6.14	30	Pass
		TX 802.11ac80 Mode		
CH155	5775	1.36	30	Pass





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#### Test plots as followed:



802.11a

		Channel	: 44			-
Spectrum	5.0					(CC)
Ref Level 30.00 dB Att 50 d		WI1MH2 WI3MH2 Mode	Auto FFT			1.01
• 1Pk Max						
		-	MATIT			7.65 dBm 3500 GHz
20 dBm			1	1 1		and the la
10.00			612			
10 dBm	hr	m	m			
0 dBm-	1		-	1		
2204 (See 1				1		
-10 dBm	1			1		
-20 dBm	-	_			~	
mal					1	
-30 d0m					-	
-40 d8m						
section of				1 1		
-50 dim						
-60 d8m				-		
00.076						
CF 5.22 GHz	<u>db (d)</u>	691 pts		1	Span 4	0.2 MHz
Marker		in the second				
Type Ref Tec	X-value 5.22685 GHz	Y-value 7.65 dBm	Function	Function Result		
- mar [ 4	5.22005.012	1.05 080				

. .





		Channe	1: 48		
Spectrum	- 80	W 1 MHz			an A
Att 50.0			e Auto FFT		
• 1Pk Max					
			MALIJ		9.75 dBm 5.2348220 GHz
20 dBm		-			
10 dBm				~	
0 dBm	A	10000000	C 0 10	A	- 2
10 dBm					
-20 dBm					
-30 dBm					
-40 d8m	-			-	
-50 dBm					
-60 d8m		-		-	
CF 5.24 GHz		691 pt	•	-10	Span 40.2 MHz
Marker		101000	E STREET E		
Type Ref Tec M1 1	X-value 5.234822 GHz	9.75 dBm	Function	Function	on Result





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Spectrum	Channe	1. 50		1	
Ref Level 30.00 dBm Att 50 dB SWT 5.6 µc	■ RBW 1 MHz ■ VBW 3 MHz Mod	e Auto FFT		,	
• 1Pk Max					
		MAILI		8.78 dBr 5.1777310 GH	
20 dBm		-	1 1	5.177/510 GH	
	543				
10 dBm	man				
0 dBm		and the second	1		
			No.		
10 dBm	-	-	1		
-20 dBm			1	~	
-30 dBm	· · · · · · · · · · · · · · · · · · ·			m	
55.00M					
-40 dBm			+ +		
22.020					
-50 dBm					
-60 d8m					
003016					
CF 5.18 GHz	691 pt	s	(t. 6)	Span 40.2 MHz	
Marker	040900				
Type Ref Tec X-value	Y-value	Function	Function Result		
M1 1 5.177731	GH2 8.78 dBm	L			

# 802.11n20

Channel: 44

	Chamiler. 44	-
Spectrum		(EIII) 
Ref Level 30.00 dfm Att 50 d8 \$WT 5.6 µm		125
D1Pk Max	I INCERTION & MODILE - INCOMENDATION OF ANY PROPERTY OF	
	MILII	8.75 dBn 5.2254690 GH
20 dBm		
10 dBm	<u><u><u></u></u></u>	
0 dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-10 dBm		
20 dBm		
GO dEm		1
-40 dBm		
529125		
-50 dBm		
-60 dBm		
CF 5.22 GHz	691 pts	Span 40.2 MHz
Marker Type   Ref   Trc   X-value	Y-value Function Function	Result
M1 1 5.225469 G		





			Channe	el: 48			
Spectrum Ref Level	and the second second		W 1 MHz W 3 MHz Mod	le Auto FFT			
• 1Pk Max							
				MULTI		9.25 dBn 5.2342410 GH	
20 dBm	_			-	1 1	3.2342410 GH	
		101					
10 dBm				~~~~			
o dBm			1		12		
1200 Fill I					$\sim$		
10 dBm		/	-				
-20 dBm	1					5	
	1						
-38 dBm							
40 d8m							
-50 dBm	_		-		-		
-60 d8m							
-00 08m							
CF 5.24 GH	2		691 pt	is l		Span 40.2 MHz	
larker			Stronte				
Type   Ref		X-value	Y-value	Function	Function Result		
MI	1	5.234241 GHz	9.26 dBm				





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				<b>802.1</b> Channe				
Spectrum Ref Level 3 Att	10.00 dBm 50 dB	RWT 11		W 1 MH2	ode Auto FFT			( <u>m</u>
• 1Pk Max				Series Palaentis				
20 d8m					MALIJ		5.1	5.63 dBm 92088 GHz
10 d8m					112			
0 dBm-	-	Y	m	m	mm	~~		
-10 dBm								
-20 dBm	n	1					m	
-36 887	~Y							-V-V
-40 dBm								
-50 diim	-			1				
-60 d8m								
CF 5.19 GH	2			691 p	ts		Span	80.0 MHz
Marker Type   Ref	1.6621	X-value			I pointe I	E.c.	tion Result	
M1 M1	1		8 08 GHz	Y-value 5.63 dBr	Function	Func	tion result	

	Channe	1.40		
				(m A
SW1 11.3 µs	VIBWY 3 MHZ MI	HOR AUCO FF.1		
		MILII		6.76 dBm 5.236950 GHz
	-	1	1 1	
		100		
m	-		77	_
	-			
A	-			man
				Man Marker
	-		1	
	691 p	ts	-1. d.	Span 80.0 MHz
X-value 5.23695 GHz	Y-value	Function	Functi	on Result
	8wT 11.3 µs = 1		SWT 11.3 µS = VBW 3 MH2 Mode Auto FFT	

Channel: 46





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				<b>802.11</b> Chann				
Spectrum Ref Level 3 Att	18.00 dBi 50 d		■ RB µ≤ ■ VB	WIIMH2 WIIMH2 Mio	de Auto FFT			
• 1Pk Max			1	12 1	MILLI		9.03	dBur
20 d8m					and to 1	a - a	5,1848870	
EU UDIN		1		_	(AD)			
10 dBm		1	hà		mit	-		_
0 dBm		1	0.530.53			1	-	_
2204,741 U		1				1		
-10 dBm		X				2	~	
-20 dBm	×		-	-				_
-30 dBm	о	-		-		-	~~~	-
08.0022								
-40 dBm								
-50 dBm		+				-		_
-60 d8m		-			-	-		
000016								
CF 5.18 GH	2	d (		691 p	ts	10 00	Span 40.2 M	MHz
Marker								
Type Ref	Tec	X-valu	8 187 GHz	Y-value 9.03 dân	Function	Funct	ion Result	_
mai	-	2.1946	av uno	9.03 080				_



Channel: 44

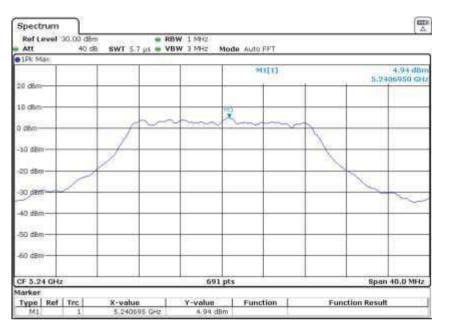
21 | P a g e



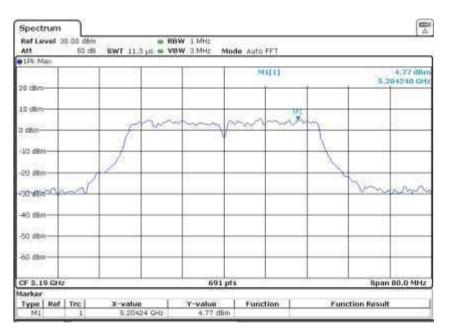


#### Report No.: AAEMT/EMC/220328-02-04

#### Channel: 48

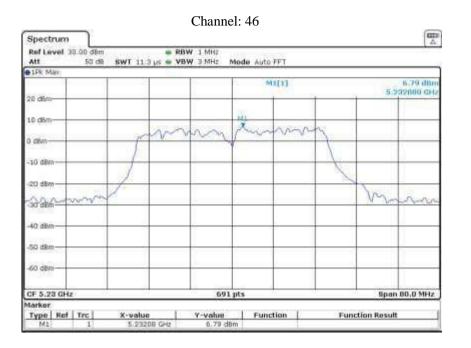




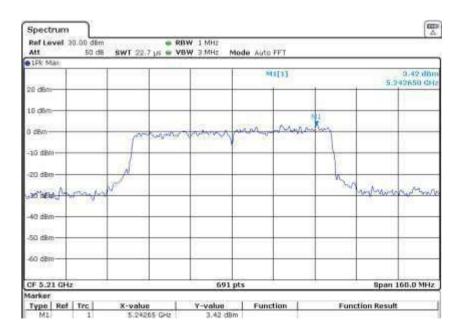






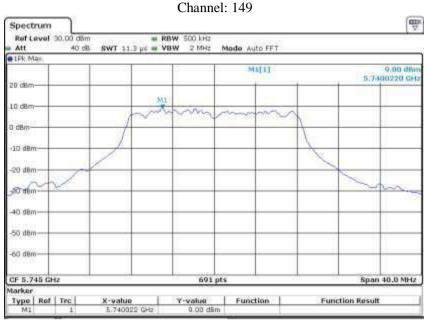


**802.11ac80** Channel: 42









**802.11a** Channel: 149

Channel: 157

Att	40 dB	SWT 11.	3 µ6 🗰 🗸	W 2 MHz	Mode Au	to FFT			
1Pk Max				12 1		if i1		_	7.73 dBn
						4.1		5.7	812958 GH
20.d8m				-					1
10:d8m			- 8	111		_			
(K. 300 II.		19	min	Promo /	m	m	4		
0 dBm	-	1			_		1	-	
		1							
10 dBm	-	1					1	<u> </u>	+
20 dBm-	2	1							
and more	1							~	
30 dBm							-	-	Norma
and									VW
40 dBm									
50 dBm									
24/22/22/2									
60 d8m				-			-		+
F 5.785 GHz	1.0			691 p	ts		12. V.	Spar	n 40.0 MHz





#### Report No.: AAEMT/EMC/220328-02-04

Contractor in the second se		3 μ6 <b>= VBW</b>	2 MHz	Mode Aut	o FFT			
1Pk Max		1		MI	til		5.82	8.16 dBr 30900 GH
20 dBm					1			
10 d8m		A	ML	which	man N	_		
o dBm		V	Y	a storing to a		1		
10 dBm	1			-		1		
	1					1		
20 dBm	1					1	~	
30 dBm							1	
40 dBm-	-			-				Theat
50 dBm								
10.40						1		1
-60 d8m								
CF 5.825 GHz		12	691 pt	\$	1		Span	40.0 MHz

#### Channel: 165







Spectrum	Channel: 157	(m)
Ref Level 30.00 dbm = RB Att 40 dB SWT 11.3 µc = VB	W 500 kHz W 2 MHz Mode Auto FFT	
• 1Pk Max		
20 d8m	MILLI	8.57 dBr 5.7004410 GH
20.08%		
10 dBm	UM1	
mm	munt	~
0 dBm		
10 dBm		1
-20 dBm		
	· · · · · · · · · · · · · · · · · · ·	
-30 dkm		m
40 dBm		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
searcher and a s		
-50 d8m		
-60 d8m		
00007/W		
CF 5.785 GHz	691 pts	Span 40.0 MHz
Marker	000000	
Type         Raf         Tec         X-value           M1         1         5.700441 GHz	Y-value Function 8.57 dBm	Function Result





					Channe	el: 165				
	rum ivel 30.0	0.000			BW 500 kHz	0.1201015				am ⊽
Att		40 dB	SWT 1	1.3 ps 🖷 ۷	/BW 2 MHz	Mode Auto	FFT			
	1					MI	1		5.8	7,24 dBm 217000 GHz
20 dBm-	-	1		-		-	1	- 1		1
10 dBm-	-	_			MI CON	mh	~			-
0 dBm—	-	-	-/		1		1	(		
-10 dBm		-			-					
-20 dBm	-	/		-			-	2	< -	
-30 dBm	1						-	-	~	m
-40 dBm	-		-	-	-			-		
-SO dBm					-	-	-	-	_	-
-60 dBm					-					
CF 5.83	25 GHz				691	pts			Spar	a 40.0 MHz
Marker										
Type M1	Rof Tr	1	X-vatu 5,83	e 17 GHz	Y-value 7.24 dB	Function m		Funct	tion Resul	t





#### Report No.: AAEMT/EMC/220328-02-04

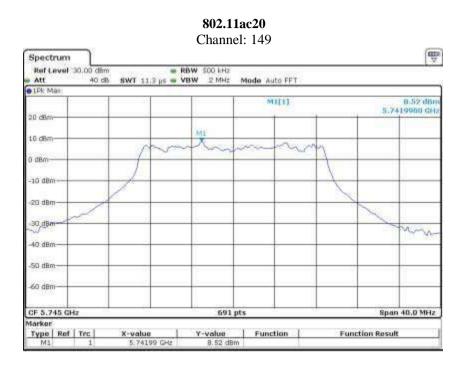
802.11n40 Channel: 151 -Spectrum RBW 500 kHz \$WT 18.9 µs = VBW 2 MHz Ref Level 30.00 dfm Att 50 d8 Mode Auto FFT • 1Pk Ma 4.40 dBn 5.751060 GHz MI[1] 20 df 10 dB MIL. s.M. 0 de -10 dBm 20 dBm GG-tHE 40 dBr -SO dBm -60 dBm CF 5.755 GHz 691 pts Span 80.0 MHz Marker Type Ref Trc M1 1 Y-value 4.48 dBm X-value 5.75106 Function Function Result

Ref Level 30.00 dBm Att 50 dB			V 500 kHz V 2 MHz	Mode Aut	o FFT			
1Pk Max								
-					1[1]		363	4.88 dBr 778790 GH
20 dBm	-			-	1			1
10 d8m	0							
	1 A	mon	mm	man	iliana	-		
0 dBm	E	06-210		/	×	1		
10 dBm	- free		_			1		
0011035	1					1		
-20 dBm	1			-		7	mark	
ab menor and	4				-	)	mon	and
2000.002								22
40 dBm								
50 dBm								
-60 d8m								
CF 5.795 GHz			691	pts	-		Spar	80.0 MHz





#### Report No.: AAEMT/EMC/220328-02-04



		Channe	1. 1.57			100
Spectrum Ref Level 30.00		# RBW 500 kHz				(CD)
	0 dB SWT 11.3 µc	WBW 2 MHz	Mode Auto FFT			
1Pk Max						
			MILIT	a		7.69 dBm 1990 GHz
20.dBm						
10 dBm	-	non				
0 dBm-	1	1 years		1		
7-20 - 17 - 1						
10 dBm	1			1		
-20 dBm	1				-	
-30 dBm	21				~	
						~~
40 dBm		-			-	
-50 dBm	_					
10.46		1				
-60 d8m						
CF 5.785 GHz	<u>d</u>	691 p	ts	10 00	Span 4	0.0 MHz
Marker		COLORAN				
Type Ref Tec	X-value	Y-value	Function	Functi	on Result	
M1 1	5.789309 G	42 7.69 dBm				

Channel: 157

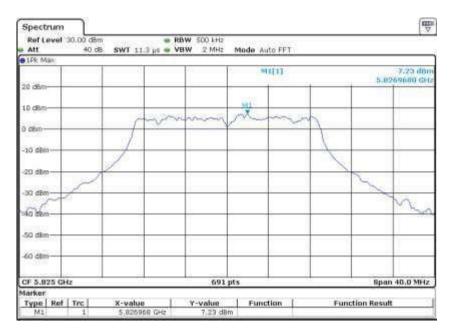
29 | Page



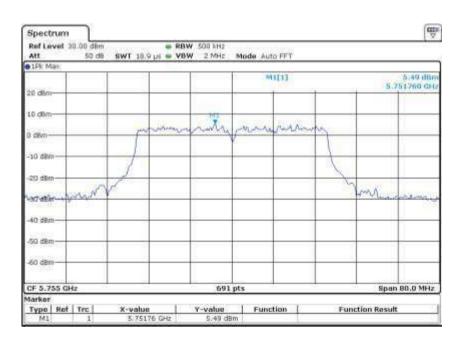


#### Report No.: AAEMT/EMC/220328-02-04

#### Channel: 165



**802.11ac40** Channel: 151

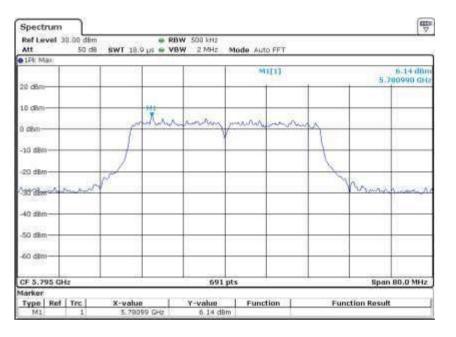




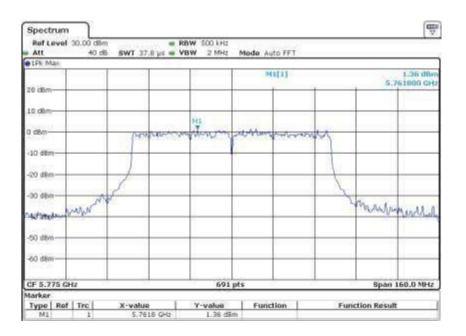


#### Report No.: AAEMT/EMC/220328-02-04

#### Channel: 159



**<sup>802.11</sup>ac80** Channel: 155



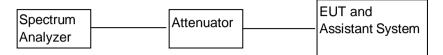




Report No.: AAEMT/EMC/220328-02-04

# 5 26 dB & 99% Emission Bandwidth

# 5.1 BLOCK DIAGRAM OF TEST SETUP



## 5.1 APPLIED PROCEDURES / LIMIT

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

## 5.2. TEST PROCEDURE

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.

```
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
```

The following procedure shall be used for measuring (99 %) power bandwidth:

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1 % to 5 % of the OBW
- 4. Set VBW  $\geq$  3  $\cdot$  RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).
- 7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.





#### Report No.: AAEMT/EMC/220328-02-04

## 5.3. TEST RESULT:

		26dE	B Occupied	Bandwidth (MHz)	99%	Occupied B	andwidth (MHz)
CH. No.	Frequency (MHz)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11a	802.11n (HT20)	802.11ac (VHT20)
36	5180.00	20.955	22.113	21.766	16.497	17.829	17.829
44	5220.00	20.203	21.766	21.766	16.555	17.829	17.829
48	5240.00	20.492	21.939	21.302	16.497	17.771	17.829
		6dB	Occupied I	Bandwidth (MHz)	99%	Occupied B	andwidth (MHz)
CH. No.	Frequency (MHz)	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11a	802.11n (HT20)	802.11ac (VHT20)
149	5745.00	16.498	17.829	17.829	16.555	17.771	17.829
157	5785.00	16.498	17.713	17.829	16.555	17.829	17.771
165	5825.00	16.498	17.771	17.771	16.497	17.829	17.771

	Enggyonay	26dB Occ	cupied Bandwidth (MHz)	99% Occu	upied Bandwidth (MHz)
CH. No.	Frequency (MHz)	802.11n	802.11ac	802.11n	802.11ac
	(IVII IZ)	(HT40)	(VHT40)	(HT40)	(VHT40)
38	5190.00	41.72	43.18	36.584	36.584
46	5230.00	42.6	43.88	36.700	36.468
	Enggyon ov	6dB Occ	upied Bandwidth (MHz)	99% Occu	upied Bandwidth (MHz)
CH. No.	Frequency (MHz)	802.11n	802.11ac	802.11n	802.11ac
	(IVITIZ)	(HT40)	(VHT40)	(HT40)	(VHT40)
151	5755.00	36.58	36.58	36.353	36.468
159	5795.00	36.58	36.58	36.584	36.584

	<b>E</b>	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH. No.	Frequency (MHz)	802.11ac	802.11ac
	(IVITIZ)	(VHT80)	(VHT80)
42	5210.00	91.69	76.179
	Energy on ou	6dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH. No.	Frequency (MHz)	802.11ac	802.11ac
	(IVITIZ)	(VHT80)	(VHT80)
155	5775.00	74.33	76.410





#### Report No.: AAEMT/EMC/220328-02-04

#### Test plots as followed:

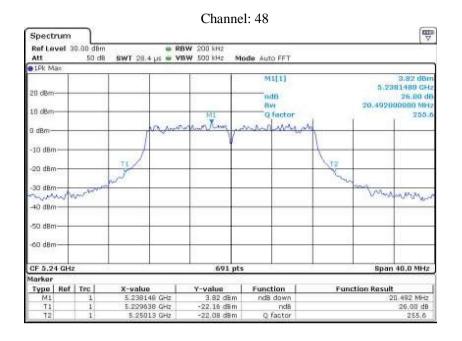




Att	AND ST	50 da	SWT 28.4	με 🗰 VI	SW SOO kHz	Mode A	uto FFT			
+1Pk Ma	ю. 									
	14					50 - E	M1[1]		1	0.06 dBr
20 dBmy-	_	_			_		nistEl		-0.12	101400 GH 26.00 d
							Bw		-	Net DODOD
10 dBm-	-						0 factor			258.
					Mi	1000	and the second second	2.54	1	1 Carter
o dBm—			1	at post	Mana Mana	potente	- in a strike of the	in		1.0
			1							
-10 dBm	-		1			-		1	-	-
								No.		
-20 dBm			100				-	12	-	-
			1						<u>.</u>	
-30 dBm		provident -	in.		-			_	UNica	monuna
art was		02.2								manun
-40 dBm										
-50 dBm	-	_			-					
-60 dBm	-				-					
-evi anu										
CF 5.22	GHZ				691	pts			Spa	n 40.0 MH2
tarker	ANNO CANTERNA				( and compared to	a constant	2018		and the second second	
Type	Ref	Tec	X-value	11	Y-value	Fu	nction	Fu	uction Resul	t
MI	CONTRACTOR OF THE OWNER	1	5.21814	IB GH2	3.06 dB	m n	dā down	- 2020		20.203 MHz
TI		1	5.21010		-22.89 da		nd8			26.00 dB
T2		1	5.23030	14 GHz	-23.01 dB	m	Q factor			258.3











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## 26dB BW 802.11n20

Channel: 36 Spectrum Ref Level 30.00 dh RBW 200 kHz 50 d8 SWT 28.4 µs 🗰 VBW 500 kHz Mode Auto FFT Att 1.1Pk MI[1] 1.82 dbn 5,1883940 GH 10 dB 26.00 df 22.112000000 MHs ndB BM Q factor 10 de 13.9.4 0 dB 10 dB 20 dBm úF. 30 dB -40 dBn 50 dB/ 60 dBrr CF 5.18 GHz 691 pts Span 40.0 MHz Function Result 20.113 MHz 26.00 dB 234.6 di melenera X-value 5.188394 GHz 5.168944 GHz 5.191956 GHz Y-value 1.82 dBm -24.38 dBm -24.14 dBm Type Ref Trc Function nd8 down М1 Т1 nd8 Q factor Channel: 44 CITE V Spectrum RBW 200 kHz
 VBW 500 kHz Ref Level 30.00 dBn Att 50 da **SWT** 28.4 µs Mode Auto FFT + 1Pk Ma MI[1] 1.01 dBn 5.2259040 GHz 26.00 dB 20 dB nstB 28.00 442 21.766000000 MHz 240.1 Bw Q foctor 10 dB ×. 10 dBm 20 dB ao de M. Andrew ringth not allow 40 dBn 50 dB/ 60 dBn

CF 5.2	2 GH2	2		Span 40.0 MHz		
Marker		R				
Type	Ref	Tec	X-volue	Y-value	Function	Function Result
MI		1	5.225984 GHz	1.81 dBm	ndā dawn	21.766 MHz
T1		1	5.209407 GHz	-24.21 dBm	nd8	26.00 dB
T2		1	5.231172 GHz	-24.30 dBm	Q factor	240.1





			Channel	: 48		
Spectrum Ref Level	Courses 111		BW 200 kHz BW 500 kHz Mi	ade Auto FFT		
LPk Max						
20 dBm				M1[1] ndB Bw Q feetor	nd. I	3.11 dBn 5.2448050 GH 26.00 dB 21.939000000 MH 239.1
0 dBm					L	
-20 dBm	June				X	i - Marrowan
-50 dBm						
-60 dBm						
CF 5.24 GF	12	4	691 pts		-	Span 40.0 MHz
Marker	.01		Construction of the second			
Type Rel M1 T1	1	X-value 5.244805 GHz 5.229175 GHz	Y-value 3.11 dBm -22.71 dBm	Function nd8 down nd8	Func	ion Result 21.939 MHz 26.00 dB
T2	1	5.251114 GHz	-22.94 dBm	Q factor		239.1





Spectrum					(m
Ref Level 30.00 dBm Att 50 dB		RBW 500 kHz VBW 2 MHz	Mode Auto FFT		40
alek Mar					
20 d8m			MI[1] ndB Bw O factor		3.00 dBn 5.186670 GH 26.00 di 42.720000000 MH 121-
0 dBm	- Augura Bar	MI Jun	marina	Va	LAL.
-10 dBm		Y			
-20 dBm	TV			18	
29,48 min mar	w.				mann
-40 dBm					
SO dBm				-	
-60 dBm					
CF 5.19 GHz tarker		691 p	ts	1	Span 80.0 MHz
T1 1	5.16974 GHz	3.09 dBm -22.90 dBm	nd8		26.00 dB
12 1	5.16974 GHz 5.21246 GHz		nd8 Q factor		121,4
72 1 Spectrum Ref Level 30.00 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	el: 46		121.4
T2 1 Spectrum Ref Level 30.00 dBm Att 50 dB	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	nd8 Q factor el: 46 Mode Auto FFT		121.4 (T
TZ 1 Spectrum Ref Level 30.00 dBm Att 50.dB #IPk Max	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	el: 46		121.4
T2         1           Spectrum	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	el: 46		121,4 4.25 dBn 5.215990 GH 25.00 dH 42.60000000 MH
T2         1           Spectrum	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	nd8 Q factor el: 46 Mode Auto FFT M1[1] udB	+~	121.4 4.25 dBn 5.215990 GH 25.00 dH 42.600n0000 MH
T2         1           Spectrum         30.00 dBm           Att         50 dB           b1Pk Mas         20 dBm           10 dBm         0 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	-	121.4 4.25 dBn 5.215990 GH 25.00 dH 42.600n0000 MH
T2         1           Spectrum	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	AN	121,4 4.25 dBn 5.215990 GH 25.00 dH 42.60000000 MH
T2         1           Spectrum         Ref Level 38.00 dBm           Att         50 dB           117 Max         20 dBm           10 dBm         0           20 dBm         0	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	123	121,4 4.25 dBn 5.215990 GH 25.00 dH 42.60000000 MH
T2         1           Spectrum         Ref Level 30.00 dBm           Att 50 dB         50 dB           LPK Max         20 dBm           10 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	A Case	121.4
T2         1           Spectrum         Ref Level 30.00 dBm           Att         50 dB           117 dBm         0           20 dBm         0           20 dBm         0           20 dBm         0           40 dBm         40 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	100	121.4 4.25 dBn 5.215990 GH 25.00 dH 42.500000000 MH 122.
TZ         1           Spectrum         Ref Level 30.00 dBm           Att 50 dB         50 dB           LIPK Max         50 dB           20 dBm         10 dBm           20 dBm         20 dBm           20 dBm         20 dBm           20 dBm         20 dBm           50 dBm         50 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	Auto FFT Mode Auto FFT Milij ndB Byy Q factor	A CONTRACT	121.4
TZ         1           Spectrum         Ref Level 30.00 dBm           Att         50 dB           1PFK Max         50 dB           20 dBm         20 dBm           10 dBm         20 dBm           20 dBm         20 dBm           20 dBm         20 dBm           20 dBm         50 dBm           40 dBm         50 dBm           50 dBm         50 dBm           60 dBm         51 dBm           57 5.23 GHz         52 GHz	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz	nd8 Q factor el: 46 Mode Auto FFT Mi[1] Bw Q factor	100	121.4
T2         1           Spectrum         Ref Level 30.00 dBm           Att 50 dB         50 dBm           20 dBm         10 dBm           20 dBm         20 dBm           20 dBm         10 dBm           20 dBm         20 dBm           20 dBm         40 dBm           40 dBm         50 dBm           50 dBm         60 dBm           60 dBm         60 dBm           60 dBm         60 dBm	5.21246 GHz	-22.90 dbm -23.04 dbm Channe RBW 500 kH2 VBW 2 MH2	All of the second secon		121.4
T2         1           Spectrum         30.00 dBm           Att         50 dB           #IPk Mas         20 dBm           10 dBm	5.21246 GHz	-22.90 dBm -23.04 dBm Channe RBW 500 kHz VBW 2 MHz	rid8     Q factor     Q factor     Mode Auto FFT     M1[1]     nd8     Bw     Q factor     Q factor     ts     rid8 down		121.4 4.25 dBn 3.215990 GH 25.00 dH 42.600n0000 MH 122-





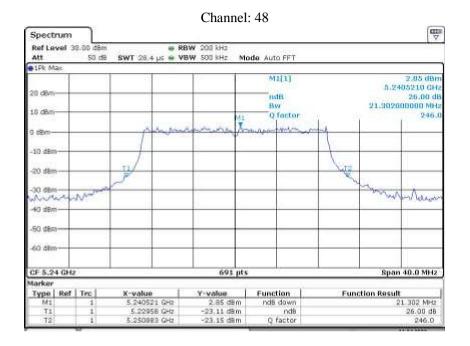
# Report No.: AAEMT/EMC/220328-02-04

· · · · · ·			Channe				G
Spectrum		201					
Att St		4 µs 🗰 VBV	W 200 kHz W 500 kHz - N	Iode Auto FFT			
LPK Max		1. Pr					
1			1000	M1[1]		N	≥.aa dBi
20 dBm				nistEl		5.17	61220 GF 26.00 d
				Bay		23.7664	00000 MH
10 dBmi			1	Q factor	1 de 17	hin a state	2:37
0 dBm		nas menter	hon m	manda	winner		
D DOM	1		Y	11111111111111111111111	4		
-10 dBm			-		1		
10010	Care /				1 TO		
-20 dBm	9				- Al		
-30 dBm						month	
						a print	hanisin
-40 dBm							
-50 dBm							
and which							
60 dBm			-				
CF 5.18 GHz		1	691 pt	\$		Span	40.0 MHz
tarker				V 14			
Type Ref Trc M1 1	X-yaha	22 GH2	Y-value 2.33 dBm	Function nd8 down	Fur	iction Result	1.766 MH:
M1 1 T1 1	5.1692		-23.86 d8m	nd8		्रह	26.00 dE
T2 1	5.1910		-23.72 dBm	Q factor			237.8
Spectrum			Channe	1: 44			CITH
Ref Level 30.00 d			200 kHz				
Ref Level 30.00 d Att 50		e RBW ⊧µs e VBW	200 kHz	1: 44			
Ref Level 30.00 d Att 50			200 kHz	ode Auto FFT			
Ref Level 30.00 d Att 50 #1Pk Max			200 kHz				2.91 dBm
Ref Level 30.00 d Att 50 #1Pk Max			200 kHz	MI[1]		5.228	2.91 dBm 4520 GHz 26.00 dB
Ref Level 38.00 d Att 50 1Pk Max 20 dBm			200 kHz	MI[1] MI[1] NdB Bw		5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Level 38.00 L Att 50 #1Pk Max 20 dBm 10 dBm			/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector		5.228	2.91 dBm 4520 GHz 26.00 dB
Ref Level 38.00 L Att 50 #1Pk Max 20 dBm 10 dBm			200 kHz	Milij ndB Bw Q fector		5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Lavel 30.00 d           Att 50           \$1PK Max           20 dBm           10 dBm           0 dBm			/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	ALL	5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Lavel 30.00 d Att 50 11% Max. 20 dBm 10 dBm -10 dBm -10 dBm			/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	Area -	5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Lavel 30.00 d Att 50 11Pk Max 20 dBm 10 dBm 0 dBm			/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	and the second s	5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Lavel         30.00 d           Att         50           b1Pk Mas         20           20 dBm         20           10 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	ALL CLE	5.228	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Level         30.00 d           Att         50           1PK Max         20           20 dBm         20           10 dBm         20           20 dBm         20	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	Accel and a second	5.229- 21.766000	2.91 dBm 4520 GHz 26.00 dB 1000 MHz
Ref Lavel         30.00 d           Att         50           b1Pk Mas         20           20 dBm         20           10 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	Accession of the second	5.229- 21.766000	2.91 d8m 520 GHz 26.00 d8 3000 MHz 240.2
Rof Level 30.00 d           Att 50           \$1Pk Max           20 dBm           20 dBm           10 dBm           20 dBm           30 dBm           30 dBm           40 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	Acc .	5.229- 21.766000	2.91 dBm 520 GHz 26.00 dB 3000 MHz 240.2
Ref Level 30.00 d           Att 50           \$1PK Max           \$20 dBm           10 dBm           20 dBm           20 dBm           30 dBm           30 dBm           40 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	and the second	5.229- 21.766000	2.91 d8m 520 GHz 26.00 d8 3000 MHz 240.2
Ref Level 30.00 d           Att 50           \$1PK Max           20 dBm           0 dBm           10 dBm           20 dBm           30 dBm           30 dBm           30 dBm           30 dBm           50 dBm           50 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	Milij ndB Bw Q fector	and the	5.229- 21.766000	2.91 d8m 520 GHz 26.00 d8 9000 MHz 240.2
Ref Level 30.00 d           Att 50           11Pk Max           20 (Bm)           10 dBm           20 dBm           20 dBm           20 dBm           20 dBm           20 dBm           30 dBm           50 dBm           50 dBm           50 dBm           60 dBm	d8 SWT 28-		/ 200 kH2 / 500 kH2 M	ode Auto FFT M1[1] ndB Bw Q factor	and the	5.229- 21.766000	2.01 dBm 4520 GHz 26.00 dHz 240.2
Ref Lavel         30.00 d           Att         50           11Pk Max         50           20 dBm         10           -10 dBm	d8 SWT 28-		/ 200 kHz / 500 kHz M	ode Auto FFT M1[1] ndB Bw Q factor	adk the	5.229- 21.766000	2.91 d8m 520 GHz 26.00 d8 3000 MHz 240.2
Ref Lavel         30.00 d           Att         50           1PK Max         20           20 dBm         20           10 dBm         30           -10 dBm	d8 SWT 28.4		200 kHz Me	Auto FFT MI[1] add Bw Q factor	the second	5.228- 21.766000	2.01 dBm 4520 GHz 26.00 dHz 240.2
Att         50           91Pk Max         20 dBm           20 dBm         20 dBm           10 dBm	d8 SWT 28.4	2 GH2	200 kH2 200 kH2 M 200 kH2 M 200 kH2 M 40 40 40 40 40 40 40 40 40 40	MI[1] MI[1] MI[1] BW Q factor Conversion Function nd8 down	the second	5.228- 21.766000 58pan 4 tion Result 21.	2.91 dBm 4520 GHz 26.00 dB 000 MHz 240.2 240.2
Ref Level 30.00 d           Att 50           p1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm           -60 dBm           -60 dBm           -60 dBm           -70 dBm	d8 SWT 28.4	2 GH2	200 kH2 Mr	Auto FFT M1[1] HdB Bw Q factor	the second	5.228- 21.766000 58pan 4 tion Result 21.	2.01 dBm 4520 GH2 26.00 dH2 240.2

26dB BW 802.11ac20











#### Report No.: AAEMT/EMC/220328-02-04

# 26dB BW 802.11ac40

		Channel	. 50		
Spectrum		RBW 500 kHz			(
Att 50 (			ode Auto FFT		
• LPk Max	1				
			M1[1]		3.41 dBm 5.191160 GHz
20 dBm			ristEl		26.00 dB
10 d8m	(		Bw Q factor		43.10000000 MHz 120.2
1011		MI A	a martin	1.0	
0 dBm	- Inderstand	ware ware the	www. watter		
-10 dBm					
	71			1.00	
-20 dBm	y			19	
30.dBm	and the second s				- and with the
and and and the second					- mere workey
-40 dBm					
-50 dBm					
5.52 GBH					
-60 dBm					
CF-5.19 GHz		691 pt	C 10		Span 80.0 MHz
Marker Type   Ref   Trc	X-value	Y-value	Function	. Taras	ction Result
MI I	5.19116 GH2	3.41 dBm	nda down	Pun	43.18 MHz
T1 1	5.16823 GHz	-22.64 d8m	nd8		26.00 dB
T2 1	5.21142 GHz	-22.49 dBm Channel	Q factor		120.2
Spectrum Ref Lavel 30.00 dB Att 50 c	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor		
Spectrum Ref Level 30.00 dB Att 50 c	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor		120.2
Spectrum Ref Level 30.00 dfi Att 50 c 91Pk Max	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor		120.2
Spectrum Ref Level 30.00 dfi Att 50 c 91Pk Max	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] MI[1]		120.2 ▼ 3.02 dBm 5.240770 GHz 25.00 dB
Spectrum Ref Level 30.00 dfi Att 50 c 9 IPk Max 20 d8m	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor 1: 46 de Auto FFT MI[1] ndB Bw		120.2 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 MHz
Spectrum Ref Level 30.00 dfi Att 50 c 91Pk Max 20 d8m 10 d8m	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] MI[1]	uha I	120.2 ▼ 3.02 dBm 5.240770 GHz 25.00 dB
Spectrum Ref Level 30.00 dfi Att 50 c 91Pk Max 20 d8m 10 d8m	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-h^	120.2 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 MHz
Spectrum Ref Level 30.00 dfi Att 50 c 91Pk Max 20 d8m 10 d8m	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	~h^y	120.2 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 MHz
Spectrum Ref Level 30.00 dfi Att 50 c 1Pk Max 20 c8m 10 d8m -10 d8m -10 d8m	m 🖷 R	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor		120.2 ▼ 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 HHz
Spectrum Ref Level 30.00 dk Att 50 c ) IPk Max 20 d8m 10 d8m 0 d8m	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-h~	120.2 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 MHz
Spectrum Ref Level 30.00 dfi Att 50 c 81Pk Max 20 d8m 10 d8m -10 d8m -10 d8m	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-h~	120.2
Spectrum         Ref Level 30.00 dB           Att         50 c           1Pk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm           -30 gBm         -000000000000000000000000000000000000	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor		120.2 3.02 dBm 5.240770 GHz 26.00 dB 43.88000000 MHz
Spectrum         10.00 dfi           Ref Level 30.00 dfi         50 c           1PK Max         50 c           1PK Max         10 dbm           10 dbm         10 dbm           -10 dbm         -20 dbm	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor		120.2
Spectrum         Ref Level 30.00 dB           Att         50 c           1Pk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm           -30 gBm         -000000000000000000000000000000000000	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-hay	120.2
Spectrum         Since 1           Ref Level 30.00 dB         Since 1           Att         Since 1           1PK Max         Since 1           1PK Max         Since 1           1D dBm         Since 1           20 dBm         Since 1           20 dBm         Since 1           3Q gBm         Since 1           40 dBm         Since 1	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-ha	120.2
Spectrum         30.00 dfi           Att         50 c           1Pk Max         20 d8m           10 d8m	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	-hA	120.2
Spectrum Ref Level 30.00 dh Att 50 c 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz BW 2 MHz Mo	Q factor de Auto FFT MI[1] mdB BW Q factor	-hA	120.2
Spectrum Ref Level 30.00 dfi Att 50 c 1Pk Max 20 d8m 10 d8m -0 d8m -20 d8m -	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz	Q factor de Auto FFT MI[1] mdB BW Q factor	TR	120.2
Spectrum         Ref Level 30.00 dB           Att         50 c           1Pk Max         20 dBm           10 dBm         0 dBm           -20 dBm	m = R SWT 18.0 ps = V	-22.49 dBm Channel BW 500 kHz BW 2 MHz Mo	Q factor de Auto FFT MI[1] mdB BW Q factor		120.2
Spectrum         30.00 dfi           Att         50 c           1Pk Max         20 d8m           20 d8m         30 d8m           -10 d8m	m R SWT 18.0 µs = V	-22.49 dBm Channel BW 500 kHz BW 27Hz Mo 691 pts Y-value 3.02 dBm	Q factor 1: 46 de Auto FFT MI[1]		120.2
Spectrum         Ref Level 30.00 dB           Att         50 c           1Pk Max         20 dBm           10 dBm         0           10 dBm         0           -20 dBm	m P R SWT 18.0 µs = V	-22:49 dBm Channel BW 274Hz Mo	Q factor 1: 46 de Auto FFT MI[1] ndB BW Q factor Comparison		120.2





### Report No.: AAEMT/EMC/220328-02-04

**26dB BW 802.11ac80** Channel: 42

			Channel	: 42		
Spectrun Ref Level	Same and		aw 1 MHz			
Att	50 di	8 BWT 22.7 µs 🖷 V	BW 3 MHz Mod	e Auto FFT		
• LPK Maos	-					
				M1[1]		4.22 dBn 5.221500 GH
20 dBm			-	nistEl		26.00 di
10 d8m-		1		Bw		91.69000000 MH:
10 0850				MiQ factor	A. C.	56.5
0 dBm		innorth	minim	- Marine	the state of the s	
-10 dBm	-				-	
		m d			NT=	
-50 qBm		- Star			1	5
-30 dBm-	-nori_lited	1				mannin
-20 MBIO						
-40 dBm						
-S0 dBm						
1200						
-60 dBm						
CF 5.21 G	42		691 pts			Span 160.0 MHz
Marker	(0)					
Type Re	ALCONTRACTOR OF A	X-value	Y-value	Function	Fund	tion Result
M1 T1	1	5.22158 GH2 5.16438 GH2	4.22 dBm -21.97 dBm	ndā down ndā		91.69 MH2 26.00 d8
T2	1	5.25608 GHz	-21.99 dBm	Q factor		56.9
i ingth				and the second s		ALCO NEWS

#### **6dB BW 802.11a** Channel: 149

				Channel	149		
Spect Ref Le		8.00 dBi 50 d		28W 100 kHz 28W 300 kHz Mi	ode Auto FFT		an Z
1Pk Vi	аw.		en e				
20 dBm 10 dBm					03[1]		3,43 di 16,4980 MH 0,19 dBn 5,7525250 GH
0 dBm-		1 -5.810	a dem Malandan	Will rate adampoint	kouden de kolment	M2	
-10 dBn -20 dBn						1	
-30 dBn	Later	runder	- when the Burght			Nedwar	warman particular
-50 dBr						_	
-60 dBn	-						
CF 5.7	45 GH	12	C 2	691 pts	10	2 1	Span 40.0 MHz
Marker Type M1	Ref	Tric 1	X-value 5.752525 GHz	Y-value 0.19 dBm	Function	Fun	ction Result
M2 D3	M2	1	5.736722 GHz 16.468 MHz	-7,44 dBm 3,43 dB			





# Report No.: AAEMT/EMC/220328-02-04

# Channel: 157

Spect		L.					(CII
Ref Le	vel 3	8.00 dBi 50.d		BW 100 kHz M	de Auto FFT		
PIPk V	aw.		STRAT SWEETS				
20 dBm 10 dBm					D3[1]		2,95 di 16;4980 MH 0,85 dBn 5,7025250 GH
TO CROSS						ME	
o dBm-			Mada hid	M. M. M. M. M. M.	Industry .	JA	
-10 dBr		1 -5.170	0 dBm		111		
-10 1101						1	
-20 dBr			1ª			1	
-10 484			- Andrew Marker			There	
hurth	nih	alan					montering
-40 dBn	1	12		-		-	
-SO dBr							
-ou upe							
-60 dBn	-			-		-	
CF 5.7	85 GH	2		691 pts	101		Span 40.0 MHz
Marker							
Type	Ref		X-value	Y-value	Function	Eun	ction Result
MI		(1)	5.792525 GHz	0.83 dBm			
M2		1	5.776722 GHz	-6.67 dBm			
D3	M2	1	16.408 MHz	2.95 dB			

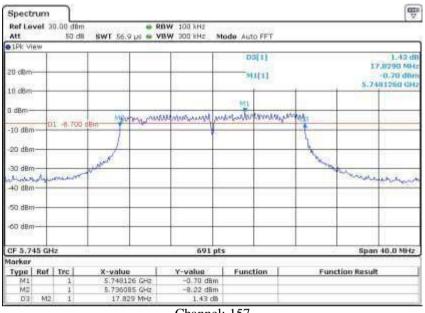
Ref Lev Att		50 d			3W 100 kHz 3W 300 kHz	Mode Aut	a FFT			
1Pk Vie										
20 dBm-	1						3[1] 4[1]	5		2.75 di 16,4980 MH 0.87 dBn 299780 GH
10 d8m-							Ma			
0 dBm—			TM.	to hall	and particulations	Antrih	when	ALAT		-
-10 dBm	0	1-5.13	3 dem -	111111			100			
-10 men					1	ů.		1		
-20 dBm	-		1		+ +	_		36	-	-
-30 dBm			a program with					Mayo		
SU dem		a to and	r-han						Frenching	Aure
-40 dBm	-	<i>v</i> .	-						-	uhoun
ater classes										
-50 dBm										
-60 dBm	-		-					-	-	-
	_									
CF 5.82	5 GH	ż	SV - N		691 ;	ats	S	5.0	Spa	n 40.0 MHz
larker			Share and the s		11	W				~
Type	Ref	Trc	X-value 5,8299		Y-value 0.87 dBr	Func	tion	Fu	nction Resu	10
M2	-	1	5.8157	and the second se	-6.48 dBr					
03	M2	i		DE MHZ	2.75 d					





#### Report No.: AAEMT/EMC/220328-02-04

#### 6dB BW 802.11n20 Channel: 149



Att	vel 3	8.00 dBm 50 dB			W 100 kHz W 300 kHz Mk	ide Aut	a FFT			M
1 Pk V	RW.									
					-	D	3[1]		1	1.06 di 2.7130 MH
20 dBm	-				-	24	LAL AL			0.52 dBn
10 dBm							1111111		5.7	874890 GH:
TO CESSIO						Mtt				
o dem-	_		Mary			Ψ			-	-
Protection -	0	5.400	dem Partie	push	Marshard My and	otravin	NIN M	Nº 1		
-10 dBri	-							110		-
			1					1		
-50 qgu			1				-	4		-
-30 dBr	-		at			_		and the	a service services	_
-unt	and a state of the	nor date						- C - C - C - C - C - C - C - C - C - C	white	minia
-to den							-	-	-	
-S0 dBn	-						-	-	-	-
-	-									-
-60 dBn										
CF 5.7	85 GH	2			691 pts				Spar	n 40.0 MH2
Marker		6 da -		- 67			19			
Type	Ref		X-value	1	Y-value	Fund	tion	Fur	nction Resul	t
M1 M2	-	1	5.787489 G 5.776143 G		0.52 dBm					
		1	D.110143 (4	-12	1.05 dB					



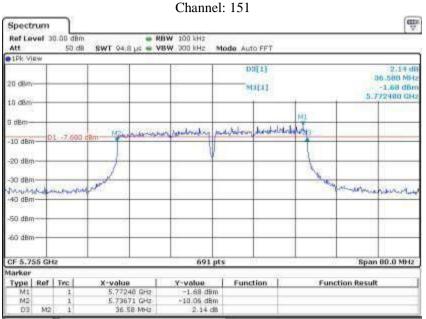


# Report No.: AAEMT/EMC/220328-02-04

Ref Le	vel 3	n8b 00.9 8b.02		<ul> <li>RBW 100 kHz</li> <li>VBW 300 kHz</li> </ul>	Mode Aut	a FFT			
1 Pk V	₩.					0,90111			
20 ¢8m 10 ¢8m						1(1) 1(1)			4.01 d .7710 MH 0.97 dBr 81260 GH
10 cesity					MI				
o dBm-	-		1000 Mile 1	with Marshala	LALAS TAR	white a	atreat		-
		1 -5 000	dBm	AND ADD ADD PORTO	Man harden				
-10 dBn			1						
-20 dBn							2		
			See.				1		
-30 dBn	A 400	avante	a man					man al for	
40 dBn		ALC: NO.					-		and the second
-SO dBr	-			-	-	-	-		-
-60 dBn	-				-		-		
CF 5.8	25 GH	2		69	1 pts	2		Span	40.0 MH2
tarker		1		12.1	100	06			
	Die W.	Tro	X-value	1 Y-value		tion	Fun	ction Result	
Type	REL	and the second s							
	Ref	1	5.828126 GH 5.816085 GH						







Channel: 159

		50 dB	SWT 94.8 µs	■ VBW	300 kHz Md	de Auto	FFT			
10 d8m						Dal			5	3.07 di 36.580 MH -2,32 dBn .812480 GH
								NEL.		
9 dBm-			MAL	and a state	المر وجليليليل	intrate	uslame			
-10 dBn	0	1 -0.029	dBm			-		++-		
-20 dBn					¥.					
-20 000	551									
-30 dBr	-	002030000	1 stant	-		-		4	5 h.	The second
-10 dBn	and a	nownale	and starting	-		-		2	- Anaver and	minum
-to upi										
-S0 dBn								+	-	
-60 dBn	-							_	-	
-00 100										
CF 5.7	95 GH	2			691 pts	10		-	Spa	in 80.0 MHz
Marker		E da		- 67			19		1.00	
Type	Ref		X-value		Y-value	Functi	on	Fu	nction Resu	ilt
M1 M2	-	1	5.81248 G 5.77671 G		-2.32 dBm					
11100	M2	1	36.58 M		3.07 dB					



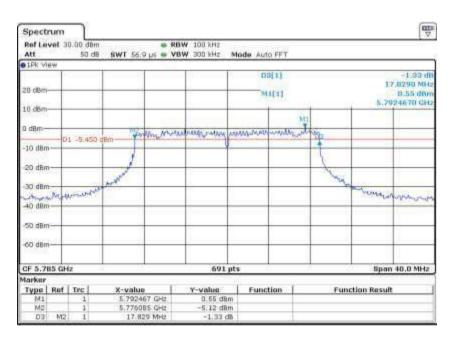


# Report No.: AAEMT/EMC/220328-02-04

				Channel:	149		
Spect	rum						
Ref Le Att	vel 3	0.00 ditm 50 dit		BW 100 kHz BW 300 kHz Mr	ade Auto FFT		
e 1Pk Vi	ew						
20 d8m		_			D3[1]		0.39 dB 17,8290 MHz 0.80 dBm 5.7525250 GHz
29:22					_	642	
0 dBm-	1	5 (75/22)	Martin have	him when when we	mannessing	Maha	
-10 dBn	D	1 -8.800	dBm			1	
-20 dBn						1	
			1			M.L.	
-30 dBn -40 dBn	when	القرسحوص					monomen
50 dBr	-			-	-	-	-
-60 dBn	-						
CF 5.7	45 GH	z	S	691 pts	- X-	-11 - 12	Span 40.0 MHz
Marker							
Type	Ref		X-value	Y-value	Function	Fun	ction Result
M1 M2		1	5.752525 GHz 5.736085 GHz	-0.80 dBm -6.90 dBm			
D3	M2	1	17.829 MHz	0.59 dB			
0.4	-1164	-	arrors mile	0,59 05			

#### 6dB BW 802.11ac20 Channel: 149

Channel: 157







### Report No.: AAEMT/EMC/220328-02-04

Att .	αiu	50.dB	SWT 56.9 µs 👄	TON 200 LPI2 MR	de Auto FFT			
20 dBm 10 dBm		_			03[1] M1(1]		17.7	-1.04 di 710 MH 1.08 dBn \$258 GH
to certify			_	_	_	MI		
o dBm-	-		MELETIN LAP	and a strategy and	ton Jonan MMAR	alay.		
-10 dBr		1 -4.920	dEm			+		
-10.460			1					
-20 dBr			1			1		
			and and			1 m		
-30 dBn	Ale	mar				1	mound and	de la casa de la
40 dBm	-	_		-	-	-		446-54
4555-0r								
-50 dBr/								
-60 dBrr	-	_						
CF 5.8	25 GH	2	1	691 pts	101	2	Span 4	0.0 MH2
tarker		Č - 04			())/	1		
Type	Ref	Trc	X-value	Y-value	Function	Fun	tion Result	
M1 M2	_	- 1	5.832525 GHz 5.816143 GHz	1.08 dBm -4.43 dBm				
		1	17.771 MHz	-4.43 dBm -1.64 dB				





## Report No.: AAEMT/EMC/220328-02-04

#### 6dB BW 802.11ac40 Channel: 151

Spect		. L								(CD)
Ref Le	vel 3	8.00 di 50			BW 100 kHz BW 300 kHz	Mode Aut	0 FFT			
1Pk Vi	RW.									
20 dBm 10 dBm							1[1] 9[1]			1.41 dB 36.580 MHz -2.79 dBm 772130 GHz
0 dBm-			100		The Distance state	and the local sector		MI		
-10 dBn		1 -8.79	20 dBm	chectorics	all production	-	a care			
-20 dBr	+		1		-			- L		
-30 dBn -40 dBn	-	umumuci	Anderson					100	Vanennen	imeuin
-50 dBr/			-		-					
-60 dBrr	-									-
CF 5.7	55 GH	12	<u> </u>		691	pts	2		Spar	1 80.0 MH2
tarker		Treed	The second second			Func			ction Resul	
Type	Ref	DVC 1	X-value	13 GHz	-2.79 dB		tion	Fur	iction Result	<u> </u>
M2		1		71 GHz	-8.84 dB					
D3	M2	1		58 MHz	1.41 0					

Ref Le	vel 3	8.00 dBn 50 dB			BW 100 kHz BW 300 kHz M	ode Auto FFT			
1Pk Vi	εw.								
						Da[1]			0.46 di 36.580 MHz
20 (8m)	-		-		-	MILLI			-3.20 dBr
								5.4	12130 GH
10 dBm	-								1
							A.FT		
0 dBm-			1005	-	which acrossed by	Same in the second			
-10 dBm	- N	1-9.200	TRUE YE	Transfe	allowing the	No parts 1 Parts	Manufactures -		
-20 dBm	_		1		¥.				
-375/558			1				1		
-30 dBm	-		at		-		- Angel		
all the man		mine	Jan .				2	mussing	manunh
-40 dBm			1		-			-	
-50 dBm									
-60 dBm	-							-	
-00 401									
CF 5.79	15 GH	2			691 pt	¢		Spar	1 80.0 MH2
Marker	-	· · · · · ·				v	00		
Type	Ref	Tro	X-value		Y-value	Function	Fu	nction Resul	t
MI		1		13 GH2	-3.20 dBm				
M2		1	5.776	71 GHz	-8.53 dBm				





### Report No.: AAEMT/EMC/220328-02-04

# 6dB BW 802.11ac80 Channel: 155

Ref Le Att	vel 3	0.00 dfm 50 dB			RBW 100 kHz VBW 300 kHz	Mode Au	do FFT			100
D1Pk Vi	ew									
20 d8m							3[1] 4[1]			0.02 dt 74.330 MH -4.08 dBn 812510 GH
0 dBm-		In Subscr	. MZ	v mus.		and the second	unlanne	infully		
-10 d0n -20 d8n	1	1 -10.09		Land States						
30 dBm		ome-anna	1		-	-		1		A-1202 -0.124
40 dBr	with	mosh	Varia		-			4,7	Service and a service of the	granen
50 dBm	+	-			-		-		-	-
-60 d8m	-		-						-	-
CF 5.7	75 GH	z	<u>+ (</u>		691 p	ts	-	- 10	Span	160.0 MHz
larker		£ 35 -				06			0.000	NOW SHOW OF
Type	Ref	Tec	X-value		Y-value	Func	tion	Fur	iction Resul	t
M1		1	5.8125		-4.08 dBm					
M2	M2	1	5.7386	IB GHZ 3 MHZ	-9.48 dBm 3.62 dB					

#### **99% OBW 802.11a** Channel: 36

				Channel	. 50		
Spect		0.00 dBri	= 81	BW 200 kHz			( <sup>∰</sup>
ALL		45 dB		Contraction of the second	ode Auto FFT		
•1Pk M	896;				NO.0011000000000000000000000000000000000		10
					W1[1]		2.13 dBm
20 d8m	-				Occ Bye		5.1773950 GHz 56.497629233 MHz
					Contra they	1	10.497029203 1910
10 dBm	-			Mart		-	
0 dBm-			Thursday		minuting	ale -	
o benn			1	No.	and the second		
-10 dBn						-110	
						1	
-20 dBn	1		P				
-30 dBn	_		fort.			2	-
21110	1	with					mound
40 den	1						an orton
31712							
-50 dBn				3			
-60 dBn						_	
CF 5.1	8 GHz	2	1	691 pts	8	1.	Span 40.0 MHz
Marker		plasy -				1990/14	na ann an A
Type M1	Ref	Trc	5.177395 GHz	Y-yalue 2.13 dBm	Function	Fun	ction Result
T1	_	1	5.17178 GHz	-1.97 dBm	Occ Bw		16.497829233 MHz
12		1	5.1892779 GHz	~3,13 dBm			





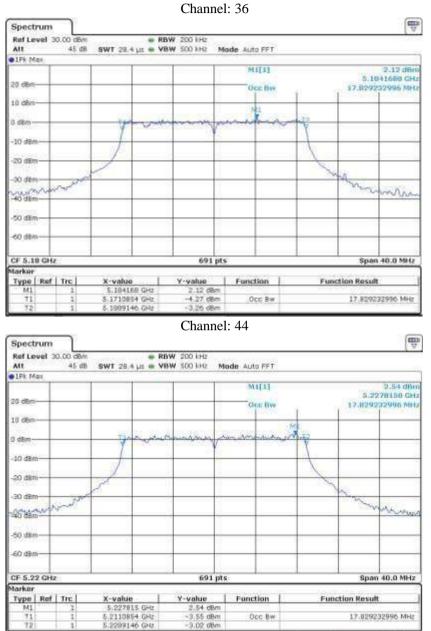
# Report No.: AAEMT/EMC/220328-02-04

				Channe	el: 44		
Spectrum							citis (
Ref Level 3 Att	0.00 dBn 45 di			/ 200 kHz / 500 kHz /	Mode Auto FFT		
1Pk Max	2010/01/01			1011000000			13
20 dBm			- i		M4[3] Occ Bw	£	2,90 dBm 5,2156010 GHz 16,555716353 MHz
10 dBm 0 dBm			MAN	inner	man	"MAS	
-10 dBm							
-20 dBm		1	_			2	ma
-30 dem -40 dem	when a						monum
-50 dBm							
CF 5.22 GHz	2			691 p	ts	-	Span 40.0 MHz
Marker Type   Ref	Trel	X-value	1	Y-value	Function	Euro	ction Result
M1	1	5,215601 G	Hz	2.90 dBm		Pun	COURT PROSENT
T1 72	1	5.21178 G 5.2283357 G		-1.74 dBm -3.18 dBm			16.555716353 MHz

				Chaimer	. 10			
Spect	rum							e11
		3.00 dBn 45 dB		BW 200 kHz BW 500 kHz Mk	ode Auto FFT			
P1Pk M	aoi.;	2010/01/01	- Intractic Contraction	1949-1011-1010-100-100-	N92-100-010-000			
20 dBm	-				MI[1] One five	e 9		3.81 dBn 152100 GH 129233 MH
10 đếm	-				1/E2			
0 dBm-	-		The same	manya	winty	4		
-10 dBn	n		1			1		-
-20 dBh				2 3				-
						No.		
-30 dBn	100	ant		-	_		S-C	mine
-to dan	1 Mar	Pare:				-	20.47%	mina
319727								
-50 dBn				S			-	
-60 dBn	n					-		-
CF 5.2	100000000000000000000000000000000000000	2	1	691 pts	-	1 1	Spar	40.0 MHz
Marker		New Y	100000	10000000 V		200		6
Type M1	Raf	Tre	X-value 5.24521 GHz	Y-value 3.81 dBm	Function	Fund	tion Result	
T1	_	1	5.23178 GHz	-2.17 dBm	Occ Bw		16.4978	29233 MHz
12		1	5.2492779 GHz	-2.05 dBm				



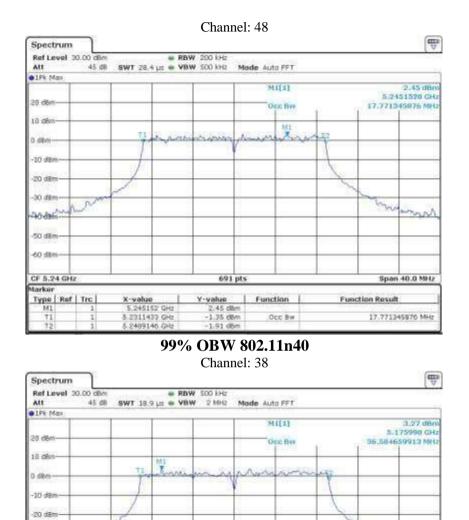








#### Report No.: AAEMT/EMC/220328-02-04



691 pts

Y-value

3.27 dBm -1.39 dBm -2.82 dBm Function

Occ Bw

30 dBn

-40 dBm---50 dBm--

CF 5.19 GHz

X-value

5.17599 GHz 5.171823 GHz 5.208408 GHz

Marker Type | Ref | Trc | mon

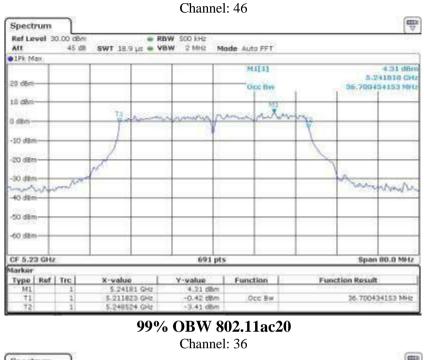
Span 80.0 MHz

36.584659913 MHz

Function Result



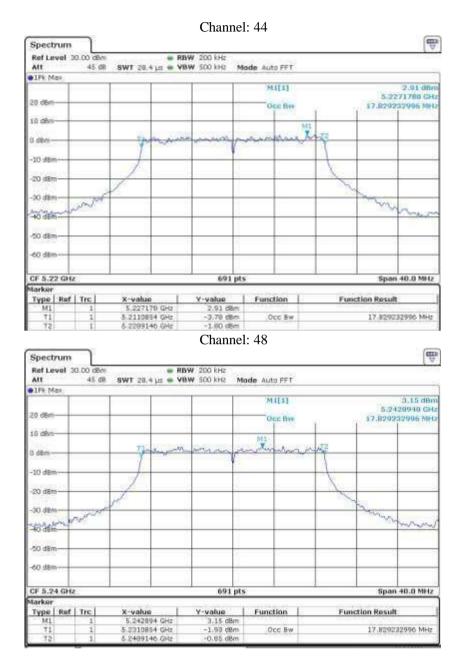




Att	45 dl	8WT 28.4 µs ⊕ V	BW SOO kH2 MB	ode Auto FFT			_
e 1Pk Max 20 dBm				Mt[1] One liw	1	1.8 5.18179 17.82923299	In MH
10 dBm	7		-	MI ware	- <del>Y</del>		
-10 dBm			2		1		
-30 dBm -40 dBm	why					mon	men
-50 dlim -60 dlim							
CF 5.18 G	iz .		691 pts	6	-	Span 40.0	) MHz
Type Re	ITel	X-value	Y-value	Function	202	ction Result	
M1 71 72	1	5.181795 GHz 5.1710854 GHz 5.1809146 GHz	1.88 dBm -3.03 dBm -2.06 dBm	Occ Bw	Pone	17-82923299	6 MHz











# Report No.: AAEMT/EMC/220328-02-04

Spectrum							(
Ref Level 30.00 dBr	8	= RBY	/ \$60 kHz				1.4
Att 45 dl	8WT 18.9 p	is . VBV	V 2 MH2 M	ode Auto FFT			
LPk Max							On 1919 (1919)
				M4[1]		5.1	2.09 dBn 107410 GH
20 dBm				One five	40	20.5846	59913 MH
U dBm				311	-		
N.S.	11.17	Man and	m from	- nit want			
) dBm	T	1000	V	2000-000-	1		
10 dBm	1 1		1000		1	+	-
20 dBm	1					-	-
Color:	~				1		
30 dBm	-	-				m	Mumm
40 dBm	-				_		Contraction of
SS 510							
50 dBm	-			-	-	-	-
60 dBm		_			_	-	-
					_		-
F 5.19 GHz			691 pt	6	-	Spar	80.0 MHz
arker Type   Ref   Trc	X-value	12	Y-value	Function	i (22	iction Resul	
	A-Value		1-Valide	Panceon 1	1-01	Inclum Mesul	
M1 1	5.19741	GHz	2.99 dBm	CALCULATION OF A			
M1 1 T1 1 T2 1	5,19741 5,171708 5,208292	GHz	2.99 dBm -1.71 dBm -2.20 dBm	0cc 8w 1: 46		36.5946	59913 MH2
T1 1 T2 1 Spectrum Ref Level 30.00 dBr	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	l: 46		36.5846	
T1 1 T2 1 Spectrum Ref Level 30.00 dBr Att 45 dl	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	1		36.5846	
T1 1 T2 1 Spectrum Ref Level 30.00 dBr Att 45 dl	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	l: 46			3.53 dBr
T1 1 T2 1 Spectrum Ref Level 30.00 dBr Att 45 df 1Pk Max	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	I: 46 Inde Auto FFT		5	3,53 dBr 236710 GH
T1 1 T2 1 Spectrum Ref Level 30.00 dBr Att 45 dl 12Fk Max	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	1: 46	1	5	3,53 dBr 236710 CH
T1 1 T2 1 Spectrum Ref Level 30.00 dBr Att 45 dl 12Fk Max	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3,53 dBr 236710 CH
11     1       T2     1       Spectrum     1       Ref Level 30.00 dBe       Att     45 df       1Fk Max       10 dBm       U dBm	5.171708 5.208292	GH2 GH2 RBY	-1.71 dBm -2.20 dBm Channe	MI[1]	mit	5	3,53 dBr 236710 CH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn           Att 45 dl           10 dBm           0 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46	mit	5	3,53 dBr 236710 CH
11     1       T2     1       Spectrum     0       Ref Level 30.00 dBr       Att     45 df       11Fk Max       20 dBr       10 dBr       10 dBr	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3.53 dbr
11     1       T2     1       Spectrum     0       Ref Level 30.00 dBr       Att     45 df       11Fk Max       0 dBm       0 dBm       10 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3,53 dBr 236710 CH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn           Att 45 dl           10 dBm           10 dBm           20 dBm           20 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3.53 dBr 3.53 dBr 236710 GH 105673 MH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn         45 dl           Att 45 dl         45 dl           10 dBm         10 dBm           10 dBm         20 dBm           20 dBm         20 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46	mit:	5	3,53 dBr 236710 CH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn         45 dl           Att 45 dl         45 dl           10 dBm         10 dBm           20 dBm         20 dBm           30 dBm         30 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46	rmite	5	3.53 dBr 3.53 dBr 236720 GH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn           Att         45 dl           11 FK Max           20 dBm           10 dBm           20 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3.53 dBr 3.53 dBr 236720 GH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn           Att         45 dl           10 dBm         1           10 dBm         10 dBm           20 dBm         10 dBm           30 dBm         10 dBm           50 dBm         10 dBm           50 dBm         10 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3.53 dBr 3.53 dBr 236720 GH
11         1           T2         1           Spectrum         1           Ref Level 30.00 dBn         45 df           Att         45 df           11Pk Max         45 df           10 dBm         10 dBm           10 dBm         20 dBm           20 dBm         20 dBm           30 dBm         20 dBm	5.121706 5.200292 8 8 SWT 19.9	GH2 GH2 ERBY	-1.71 oBm -2.20 dbm Channel V 500 kHz V 500 kHz M	1: 46		5	3.53 dBr 3.53 dBr 236720 GH

5.23671 GHz 5.211823 GHz 5.248292 GHz

-0.04 dBm -0.46 dBm

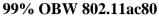
Occ Bw

26-468885673 MHz

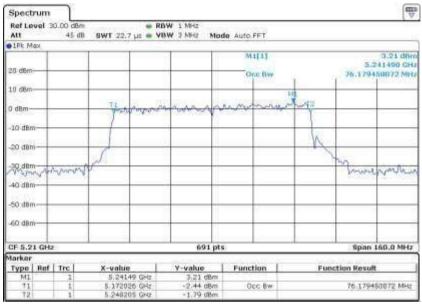




#### Report No.: AAEMT/EMC/220328-02-04



Channel: 42



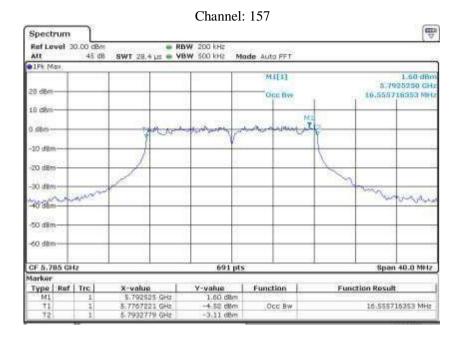
#### **99% OBW 802.11a** Channel: 149

					Chamler	• • • • •		
Spect								(eng
Ref Le	wel 3	0.00 dBn 45 dl			BW 200 kHz BW 500 kHz M	Iode Auto FFT		
•1Pk M	801							
20 dBm	-					M4[1] Occ flw		1.11 dBr 5.7467950 GH 16.555719353 MH
10 dBm	+		-				-	
0 dBm-	-		17	AL ROAD	ALADO CASAN TO	Too www.	-	
-10 dBn			1	N.	V	-	1	
			1				X	
-20 dBn			1					
-30 dBn	100	inte	*					Munohen
-40 dBn	10-	m	-				_	
-50 dite	n		_		_		_	
-60 dBn	n						_	
CF 5.7	45 (14)				691 pt	_		Span 40.0 MHz
Marker	2.01.190.1	2			nor pr	<b>8</b> 5		span 40,0 metz
Type		Trel	X-value	- F	Y-value	Function	Fun	ction Result
MI		1	5,7467		1,11 dBm		0.000	
71 72		1	5.73672 5.75327		-4.80 d8m -3.98 d8m	Occ Bw		16 555716353 MHz
16	23		0.70367	CP SPRE	-9/80 00m			





# Report No.: AAEMT/EMC/220328-02-04



Spech	rum								ent.
Ref Le	vel 30	.00 dBm	1-C-1001 C-011	- RE	W 200 kHz				
ALL		45 dB	SWT 28,4	HE . VI	W SOO kH2 M	Idde Auto FFT			
1Pk Ma	806								
20 dBm-	-					M4[3] One live	τ - 3		1,86 dBr 220958 GH 129233 MH
10 dBm-	-				22231		-		-
1			1	1 2	M1	innance			
0 dBm-			1	the second	Part of the	Contraction Contraction	- N		
-10 dBr	-		1	~~			11	_	-
			P				N		
-20 dBm							1		
30 dBm	_	192	1º		-		36	-	-
- marine	miles	white						June	hann
-40 dBm	-				-				
-50 dim							_		
-60 dBm	-					-	-		-
CF 5.8	25 GHz				691 pt	s	1	Spar	40.0 MHz
Marker	RATE	0.000	1000000000		06815.05126771	www.energenetari	Ackura:		
	Ref		X-value		Y-value	Function	Func	tion Resul	t.
M1 71		1	5.82239		1.96 dBm -2.63 dBm	Occ Bw	4117120	14 4000	29233 MHz
72	-	1	5.833277		-2.63 dBm	OCC 8W		10.4978	59533 MHS
			answed to	- 10 M	#10-9 MOTO				

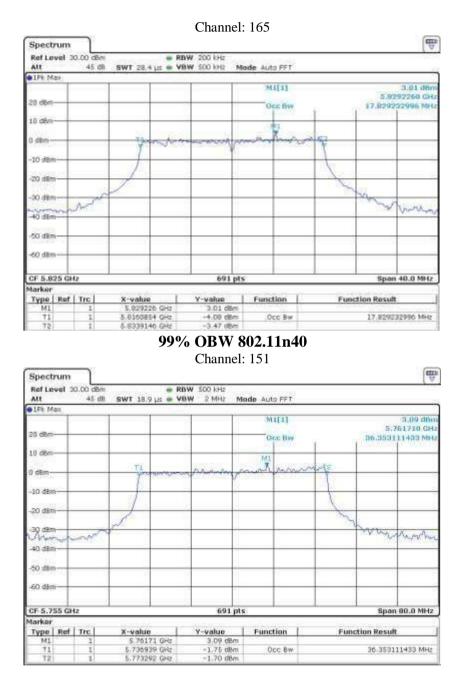




Spectrum		BRIN 255 Like				(E
Att 45 (		<ul> <li>RBW 200 kHz</li> <li>VBW 500 kHz</li> <li>Mil</li> </ul>	ode Auto FFT			
P1Pk Mao			M4[1]		hi	55 dBi
20 dBm-			mit[1]		5.75206	20 GH
20 dem-			One live	¥	17,7713458	70 MH
10 d8m		-				
0 dBm				+		
S GEN	m	warner warner to	C. Warner C.	The second second		
-10 dBm	1			1		-
-20 dBm	1					
Teles.	1			1		
-30 dBm	1			-	w n	100.11
40 BEm					Arr	Mun
85 510						
-50 dBm	-					-
-60 dBm	-	_		-		-
t	-		-			
CF-5.745 GHz		691 pts	R.		Span 40.	0 MHz
Marker Type   Ref   Trc	X-value	Y-value	Function	Eine	tion Result	
M1 1	5.752062 G		Panceion	- Child	action Messon	
71 1 72 1	5.7361433 G/ 5.7539146 G/		Occ Bw		17.77134587	6 MHz
Spectrum		Channel:	157			(III)
Spectrum		RBW 200 kHz	24/17/07/22/24			(H)
Ref Level 30.00 dB Att 45 (		RBW 200 kHz	157 nde Auto FFT			(EU
Ref Level 30.00 dB Att 45 (		RBW 200 kHz	24/11/01/22/24			14 dBn
Ref Level 30.00 dB Att 45 (		RBW 200 kHz	ode Auto FFT		1.3 5.77973 \$7.8292529	54 dBn 20 GH
Ref Level 30.00 dB Att 45 ( 1Pk Max 20 dBm		RBW 200 kHz	MI[3]	1	5.77973	54 dBn 20 GH
Ref Level 30.00 dB Att 45 0 1Pk Max 20 dBm 10 dBm		RBW 200 kHz	MI[3]		5.77973	54 dBn 20 GH
Ref Level 30.00 dB Att 45 ( 1Pk Max 20 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3]	4	5.77973	54 dBn 20 GH
Ref Level 30.00 dB Att 45 0 1Pk Max 20 dBm 10 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973	54 dBn 20 GH
Ref Level         30.00 dB           Att         45 million           91Pk Max         30.00 dB           20 dBm         30.00 dB           10 dBm         30.00 dB           -10 dBm         30.00 dB		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973	
Ref Level         30.00 dB           Alt         45 d           1Pk Max         30.00 dB           20 dBm         10 dBm           0 dBm         0 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973	54 dBn 20 GH
Ref Level 30.00 dB           Att 45 m           11 dBm           10 dBm           -10 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973 57.8292329	94 dBn 20 GH 26 MH
Ref Level 30.00 dB           Att         45 r           DIPk Max           20 dBm           10 dBm           -10 dBm           -20 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973 57.8292329	94 dBn 20 GH 26 MH
Ref Level         30.00 dB           Att         45 m           1Pk Max         30.00 dB           20 dBm         30.00 dB           10 dBm         30.00 dB           -10 dBm         30.00 dB		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973	24 dBn 20 GH 26 MH
Ref Level 30.00 dB           Att         45 r           DIPk Max           20 dBm           10 dBm           -10 dBm           -20 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973 57.8292329	24 dBn 20 GH 26 MH
Ref Level 30.00 dB           Att         45 f           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973 57.8292329	24 dBn 20 GH 26 MH
Ref Level 30.00 dB           Att         45 m           11Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm		RBW 200 kHz VBW 500 kHz Me	MI[3] God Bw		5.77973 57.8292329	24 dBn 20 GH 26 MH
Ref Level 30.00 dB           Att         45 f           11PK Max         45 f           20 dBm         10 dBm           10 dBm         10 dBm           20 dBm         40 dBm           50 dBm         50 dBm           60 dBm         50 dBm		RBW 200 kHz VBW 500 kHz Me	Mi[3] One Bw		5.77973 57.8292329	20 GH 20 GH 26 MH
Ref Level 30.00 dB           Att         45 f           DIPk Max         20 dBm           10 dBm         0           -10 dBm         -           -20 dBm <td>08 SWT 28.4 µ</td> <td>RBW 200 kHz     VBW 500 kHz     Me</td> <td>MI[I] One Bw</td> <td>L</td> <td>5.77978 17.82022299</td> <td>20 GH 20 GH 26 MH</td>	08 SWT 28.4 µ	RBW 200 kHz     VBW 500 kHz     Me	MI[I] One Bw	L	5.77978 17.82022299	20 GH 20 GH 26 MH
Ref Level         30.00 dB           Att         45 f           1Pk Max         20 dBm           10 dBm         0           -10 dBm         -           -20 dBm         -           -30 dBm         -           -60 dBm         -		RBW 200 kHz Me	Mi[3] One Bw	L	5.77973 57.82025290	H dBr 20 GH 26 MH



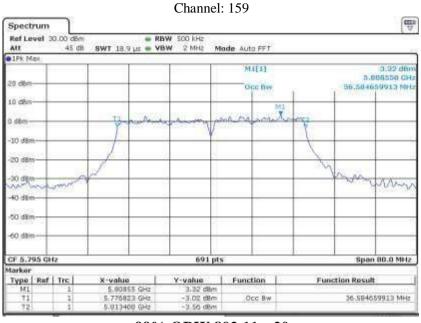








# Report No.: AAEMT/EMC/220328-02-04



#### **99% OBW 802.11ac20** Channel: 149

			Chamber	117			_
Spectrum						1	4
Ref Level 3 Att	0.00 dBn 45 dB		3W 200 kHz BW 500 kHz Mk	de Auto FFT			2
1Pk Max							
20 dBm				MA[3] One Bw	е 9	0.74 d 5.7525250 ( \$7.829232996 N	UH.
10 dBm				ň	é .		
0 dBm		Thereas	Rolling M	manni	X-W		-
-10 d8m			V.		1		÷
-20 dBm		1	2		1		
1000		1			N.		
-30 dBm	25-2					mount	3
-40.d8m					-		-
-50 dBm			-				_
-60 d8m			1				
CF 5,745 GH	12		691 pts	8		Span 40.0 M	Hz
Marker	0.02525.2	000000000000000000000000000000000000000	washing a	LINNING STREET	1001100	210429-0228-027	
Type   Ref		X-value	Y-value	Function	Func	tion Result	
M1	1	5.752525 GHz	0.74 dBm	CALVARY CONST.	305522		11
T1	1	5.7360854 GHz	+4.45 dBm	Occ Bw		17.829232996 M	42
T2	1	5.7539146 GHz	~3.49 dBm				





		Channel	. 137			
Spectrum						( <del>"</del>
Ref Level 30.00 dBn Att 45 dE		RBW 200 kHz VIBW 500 kHz MR	ode Auto FFT			- 220
1Pk Max						
			WI[1]		5.78	1.34 dBm 35890 CHz
20 dBm			One Byy	w		15876 MHu
10 dBm			100 11			
1000	#1		MO	2 124		
0 dBm	horne	mannen	and the second s	1 t		
-10 dBm				1		
-20 dBm	1			1	-	
-20 dBm	1			1		
-30 dBm	1.016				1	
40 dBm				-	and the	minu
-50 dBm						
So dant						
-60 dBm				-		
CF 5.785 GHz	1	691 pts		1	Span	40.0 MHz
tarker	50210222-552		110000000000000000000000000000000000000	1282.10	000104-04-0403	
Type Ref Trc M1 1	5.788589 GHz	Y-value 1.34 dBm	Function	Fun	ction Result	1
		1,3% DBm				
T1 1	5.7761433 GHz	-2,28 dBm	Occ Bw		17.77134	5876 MHz
15 1	5.7761433 GHz 5.7939146 GHz	-2.29 dBm -3.81 dBm Channel:			17.77134	
	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz			17.77134	
T2 1 Spectrum Ref Level 30.00 dBn Att 45 dl	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	ade Auto FFT		17.77134	(m)
T2 1 Spectrum Ref Level 30.00 dBn Att 45 dt	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	: 165			(∰ ▼
T2 1 Spectrum Ref Level 30.00 dBn Att 45 dt	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	ade Auto FFT		5.93	1.76 dBo
T2 1 Spectrum Ref Level 30.00 dBn Att 45 dt	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	165 ode Auto FFT M1[1] Occ flw	1	5.93	1.76 dBo
T2. 1 Spectrum Ref Level 30.00 dBn Att 45 dt 1Pk Max 20 dBm 10 dBm	5.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	MI[1]	u.	5.93	1.76 dBo
T2. 1 Spectrum Ref Level 30.00 dBn Att 45 dt 1Pk Max 20 dBm 10 dBm	8.7939146.GHz	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.93	1.76 dBo
T2 1 Spectrum Ref Level 30.00 dBn Att 45 dt 1Pk Max 20 dBm 10 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.93	1.76 dBo
T2         1           Spectrum         Ref Level 30.00 dBn           Att         48 dt           1Pk Max         48 dt           20 dBm         10 dBm           10 dBm         -10 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.93	1.76 dBo
T2         1           Spectrum         Ref Level 30.00 dBn           Att         45 dt           1Pk Max         20 dBm           10 dBm         0 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.93	1.76 dBo
T2         1           Spectrum         Ref Level 30.00 dBn           Att         45 dt           1Pk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -20 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.83	(∰ 1.76 dBn 22360 CH1 ISB76 MH2
T2         1           Spectrum         20.00 dBn           Att         45 dt           1Pk Max         45 dt           20 dBm         20 dBm           -10 dBm         -20 dBm           -20 dBm         -30 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.83	(∰ 1.76 dBn 22360 CH1 ISB76 MH2
T2         1           Spectrum	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.83	1.76 dBo
T2         1           Spectrum         20.00 dBn           Att         45 dt           1Pk Max         45 dt           20 dBm         20 dBm           -10 dBm         -20 dBm           -20 dBm         -30 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.83	(∰ 1.76 dBn 22360 CH1 ISB76 MH2
T2         1           Spectrum	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1]		5.83	(∰ 1.76 dBn 22360 CH1 ISB76 MH2
T2         1           Ref Level 30.00 dBn         20 dBm           11 dBm         45 dI           12 dBm         0 dBm           10 dBm         0 dBm           -10 dBm         -0 dBm           -20 dBm         -0 dBm           -30 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3/81 dbm Channel: RBW 200 kHz VBW 500 kHz MM	MI[1] Occ (Iw		5.83	[
T2         1           Spectrum         Ref Level 30.00 dBn           Att         45 dB           1Pk Max         20 dBm           10 dBm         0 dBm           -00 dBm         -00 dBm           -30 dBm	8.7939146.642 9 9 SWT 28.4 µs	-3.81 dBm Channel: RBW 200 kHz	MI[1] Occ (Iw		5.83	(∰ 1.76 dBn 22360 CH1 ISB76 MH2
T2         1           Spectrum         Ref Level 30.00 dBn           Att         45 dt           IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -0 dBm           -30 dBm	8.7939146.GHz	-3/83 dBm Channel: RBW 200 kHz VBW 500 kHz MA Channel: RBW 200 kHz MA S00 kHz MA S00 kHz MA S01 pts S01 pts	MI[1] Occ (Iw		5.83	[
T2         1           Spectrum         Ref Level 30.00 dBn           Att         45 dt           IPk Max         20 dBm           10 dBm         0 dBm           -10 dBm         -00 dBm           -30 dBm	8.7939146.GHz	-3/81 dBm Channel: RBW 200 kHz Ms VBW 500 kHz Ms 	I 165		S.83 17.7713	[∰ 1.76 dBн 22360 CH1 5870 Мн4





# Report No.: AAEMT/EMC/220328-02-04

						(m
Spectrum						(E)
Ref Level	30.00 dBn 45 dB		<ul> <li>RBW 500 kHz</li> <li>VBW 2 MHz 7</li> </ul>	Mode Auto FFT		
1Pk Max	42 00	0W1 10.9 th	a mile 1	HUGE ACCUPPT		
1				M.I[1]		2.14 dBr
20 dBm				One Buy		5.756740 GH 36.468885673 MH
10 đềm —				91	-	
0 dBm		Torne	- and a start	Indiana	- A	
-10 dBm					1	+ +
20 dBm	_	1			1	
30 dim	man	pt.			-	mann
40 dBm	500 100				-	an Dation/M
50 dBm					-	+ + -
60 dBm						
CF 5.755 G	Hz	1	691 p	ts	1	Span 80.0 MHz
T1 T2	1	5.736823 G 5.736823 G 5.773292 G	Hz -2,48 dBm Hz -2:75 dBm	Occ Bw	41412	36.468885673 MHz
T2 Spectrum Ref Level	1 30.00 d8m	5,736823 G 5,773292 G	Hz -2.48 dBm +z -2.75 dBm Channe • RBW 500 kHz	.0cc Bw		2 07 100 A C 3 30 C 10 M
T2 Spectrum Ref Level Att		5,736823 G 5,773292 G	Hz -2.48 dBm +z -2.75 dBm Channe • RBW 500 kHz	Occ Bw		(LM.7877
T2 Spectrum Ref Level Att 1Pk Max	1 30.00 d8m	5,736823 G 5,773292 G	Hz -2.48 dBm +z -2.75 dBm Channe • RBW 500 kHz	I: 159 Mode Auto FFT		2.52 dbi 5.790250 GH
T2 Spectrum Ref Level Att 1Pk Max	1 30.00 d8m	5,736823 G 5,773292 G	Hz -2.49 dBm Hz -2.75 dBm Channe ■ RBW 500 kHz ■ VBW 2 MHz 1	1: 159 Mode Auto FFT		2.52 dbr
T2 Spectrum Raf Level Att 1Pk Max 20 dBm 10 dBm	1 30.00 d8m	5,735823 G 5,773292 G SWT 18.9 µs	Hz -2.48 dBm +z -2.75 dBm Channe • RBW 500 kHz	I: 159 Mode Auto FFT		2.52 dbi 5.790250 GH
T2 Spectrum Ref Level Att PIFk Maa 20 dBm 10 dBm 2 dBm	1 30.00 d8m	5,735823 G 5,773292 G SWT 18.9 µs		I: 159 Mode Auto FFT		2.52 dbi 5.790250 GH
T2 Spectrum Ref Level Att PIFk Maa 20 dBm 10 dBm 2 dBm	1 30.00 d8m	5,735823 G 5,773292 G SWT 18.9 µs		I: 159 Mode Auto FFT		2.52 dbi 5.790250 GH
T2 Spectrum Ref Level Att II fk Max 20 dBm 10 dBm 	1 30.00 d8m	5.738823 G 5.773292 G		I: 159 Mode Auto FFT		2.52 dbi 5.790250 GH
T2 Spectrum Ref Level Att D1Pk Max 20 dBm 10 dBm 20 dBm 20 dBm 20 dBm	1 1 30.00 dBa 45 dB	5.738823 G 5.773292 G		I: 159 Mode Auto FFT		3, 52 dbi 5,700250 GH 30,504659913 MH
T2           Spectrum           Ref Level           Att           1PR Max           20 dBm           10 dBm           20 dBm           40 dBm	1 1 30.00 dBa 45 dB	5.738823 G 5.773292 G		I: 159 Mode Auto FFT		3, 52 dbi 5,700250 GH 30,504659913 MH
T2           Spectrum           Ref Level           Att           11Pk Max           10 dBm           10 dBm           10 dBm           20 dBm           40 dBm           20 dBm           50 dBm           50 dBm           50 dBm	1 1 30.00 dBa 45 dB	5.738823 G 5.773292 G		I: 159 Mode Auto FFT		3, 52 dbi 5,700250 GH 30,504659913 MH
T2           Spectrum           Ref Level           Att           11FK Max           10 dBm           10 dBm           10 dBm           20 dBm           30 dBm           30 dBm           50 dBm           60 dBm           60 dBm	2 30.00 dBa 45 dB	5.738823 G 5.773292 G		I: 159 Mode Auto FFT Mi[1] One flw		3, 52 dbi 5,700250 GH 30,504659913 MH
T2           Spectrum           Ref Level           Att           1PF Max           20 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -30 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -60 dBm           -60 dBm	1 30.00 dba 45 dt	5.738823 G	Ht -2.49 (Bm -2.75 (Bm Channe • RBW 500 kHz • VBW 2 MH2 1 MI 	I: 159 Mode Auto FFT Mi[1] One live A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.		2.52 dbi 5.700250 CH 3h.5d4659913 MH
T2           Spectrum           Ref Level           Att           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -60 dBm           -70 dBm           -70 dBm           -80 dBm           -90 dBm           -70 dBm           -80 dBm           -60 dBm           -60 dBm           -70 dBm	1 30.00 dba 45 dt	5.735823 G 5.773292 G SWT 18.9 µs	Ht -2.49 (Bm -2.75 (Bm Channe ■ RBW 500 kHz ■ VBW 2 MHz 1 MI 	I: 159 Mode Auto FFT Mil[1] One liw Auto FFT State	Fu	3.52 dbi 5.700250 GH 3h.504659933 Me
T2           Spectrum           Ref Level           Att           1FK Max           20 dBm           10 dBm           20 dBm           20 dBm           30 dBm           30 dBm           50 dBm           60 dBm           60 dBm           CF 5.705 G           tarkar	1 30.00 dba 45 dt	5.738823 G	Hz         -2.49 (Bm           Hz         -2.75 (Bm           Channe           • RBW SOO kHz           • VBW 2 MHz           • VBW 2 MHz           • MI           • MI           • MI           • MI           • MI           • MI           • S01 p           • 691 p           • 2.52 (Bm	I: 159 Mode Auto FFT Mu[1] Orac live A. A	Fu	2.52 dbi 5.700250 CH 3h.5d4659913 MH

# 63 | P a g e





# Report No.: AAEMT/EMC/220328-02-04

# 99% OBW 802.11ac80

Spect	rum							em v
		0.00 dBn 45 dB		RBW 1 MHz VBW 3 MH2 Mo	der Auto FFT			- 55
1Pk M	aoi ;							
20 dBm	-				M4[3] Occ Bw			3.91 dBn 96720 GH 98553 MH
10 đếm	-				Carpa198	120	second compa	Con-BRUIN CA
0 dBm-	-		The	mon	in the second	stop		
-10 dBn	n-+-		1			1	-	
-20 dBh	-		A			N	-	
29 dep	0.00	-MIC	1	_			mar	Surgery.
-40 dBn	20	A.9.				_		
-50 dBn						-		
-60 dBn	n			-		-		
CF 5.7	75 GH	12		691 pt	s	- d	Span 1	60.0 MHz
Marker		DI INSIN	10010300000	21 - 900 Yol Webber	a manna a sa			
Туре	Ref		X-value	Y-value	Function	Fund	ction Result	1
M1 T1 T2		1	5.80672 GHz 5.737026 GHz 5.813437 GHz	3.91 dBm -1.61 dBm -1.64 dBm	Occ Bw		76.41099	18553 MHz





Report No.: AAEMT/EMC/220328-02-04

# 6. MAXIMUM CONDUCTED OUTPUT POWER

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW.
	For the band 5.745-5.850 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 30dBm
Test setup:	Power Meter E.U.T Non-Conducted Table Ground Reference Plane
Test procedure:	Measurement using an RF average power meter
·	<ul> <li>(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied</li> <li>a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.</li> </ul>
	b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
	c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
	(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B).
	(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
	(iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(1/0.25) if the duty cycle is 25 percent).
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details





# Report No.: AAEMT/EMC/220328-02-04

# 6.1. TEST RESULT:

CH. E AND		Output Pov	wer (dBm)		
No.	Frequency (MHz)	802.11n	802.11ac	Limit(dBm)	Result
110.		(HT40)	(VHT40)		
38	5190.00	21.67	21.74	23.98	Pass
46	5230.00	22.39	22.31	23.98	Pass
151	5755.00	20.37	19.94	30	Pass
159	5795.00	19.26	18.98	30	Pass

CH.	Frequency (MHz)	Output Power (dBm)	Limit(dBm)	Result	
No.	Frequency (MHZ)	802.11ac(VHT80)		Kesult	
42	5210.00	21.80	23.98	Pass	
155	5775.00	22.08	30	Pass	

CH.		Output Power (dBm)					
No.	Frequency (MHz)	802.11a	802.11n (HT20)	802.11ac (VHT20)	Limit(dBm)	Result	
36	5180.00	20.97	21.21	21.54	23.98	Pass	
44	5220.00	21.55	22.16	22.14	23.98	Pass	
48	5240.00	22.14	22.47	22.23	23.98	Pass	
149	5745.00	22.84	22.12	21.73	30	Pass	
157	5785.00	21.57	21.50	21.29	30	Pass	
165	5825.00	20.52	20.61	21.17	30	Pass	



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Certificate#5593.01

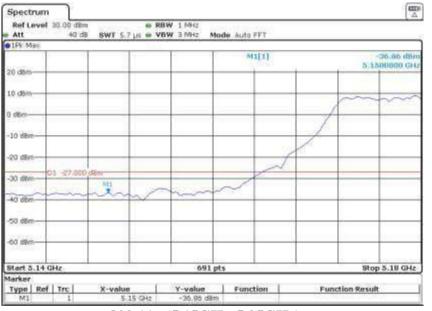
7 Band Edges	s Measurement					
Test requirement:	FCC PART15 E SECTION 15.407 AND 5.205					
Test method:	ANSI C63.10:2013					
Limit:	Undesirable emission limits:					
Test procedure:	<ul> <li>(1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.</li> <li>(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.</li> <li>(3) for transmitters operating in the 5.47-5.725 ghz band: all emissions outside of the 5.47-5.725 ghz band shall not exceed an eirp of -27 dbm/mhz.</li> <li><b>a.</b> The Transmitter output of EUT was connected to the spectrum analyzer. Equipment mode: Spectrum analyzer Detector function: Peak mode SPAN: 100mhz RBW: 1 mhz Sweep time= Auto.</li> <li><b>b.</b> Using Peak Search to read the peak power of Carrier frequencies after Maximum Hold function is completed.</li> <li><b>a.</b> Find the next peak frequency outside the operation frequency band. The Transmitter output of EUT was connected to the spectrum analyzer. Equipment mode: Spectrum analyzer Detector function: Peak mode SPAN: 100mhz RBW: 1 mhz Sweep time= Auto.</li> </ul>					
	<ul><li>VBW: 1 mhz</li><li>Sweep time= Auto.</li><li>b. Using Peak Search to read the peak power of Carrier frequencies after Maximum</li></ul>					
	Hold function is completed. Find the next peak frequency outside the operation frequency band.					
Test setup:	EUT SPECTRUM ANALYZER					
Test results:	PASS					



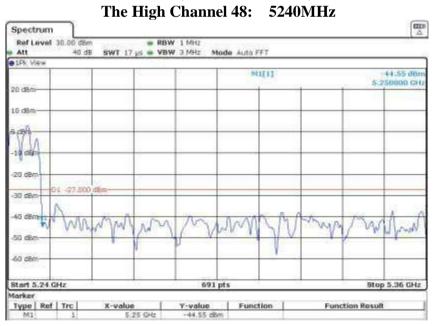
#### Report No.: AAEMT/EMC/220328-02-04

# 7.1. TEST RESULT

# 802.11a (5.15GHz-5.25GHz) The Low Channel 36: 5180MHz



# 802.11a (5.15GHz-5.25GHz)

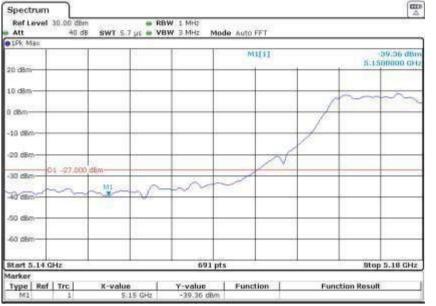




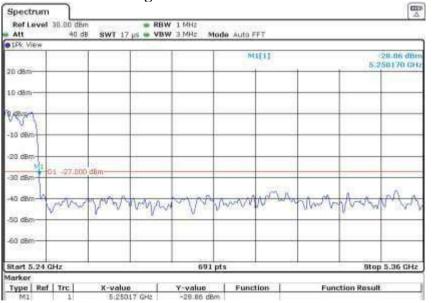


Report No.: AAEMT/EMC/220328-02-04

# 802.11n(20M) (5.15GHz-5.25GHz) The Lowest Channel 36: 5180MHz



# 802.11n(20M) (5.15GHz-5.25GHz) The High Channel 48: 5240MHz

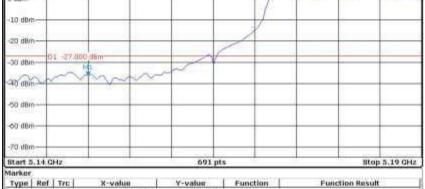






#### Report No.: AAEMT/EMC/220328-02-04

# 802.11n(40M) (5.15GHz-5.25GHz) The Lowest Channel 38: 5190MHz Spectrum Image: State of the Stat

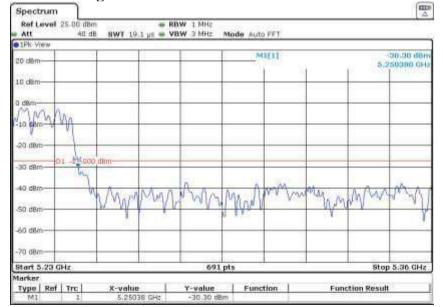


# 802.11n(40M) (5.15GHz-5.25GHz) The High Channel 46: 5230MHz

35.25 dBm

5.15 GHz

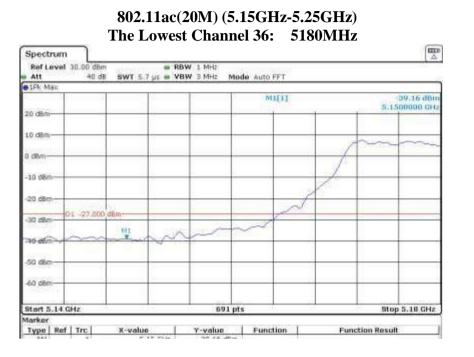
M.



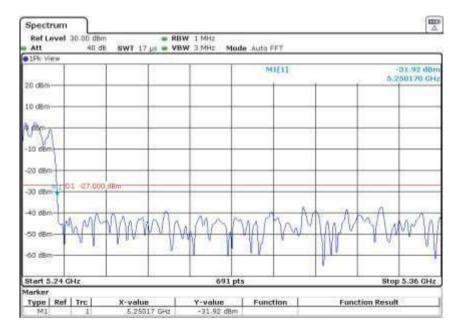




#### Report No.: AAEMT/EMC/220328-02-04



# 802.11ac(20M) (5.15GHz-5.25GHz) The High Channel 48: 5240MHz

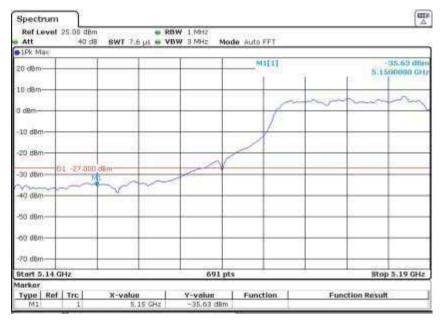




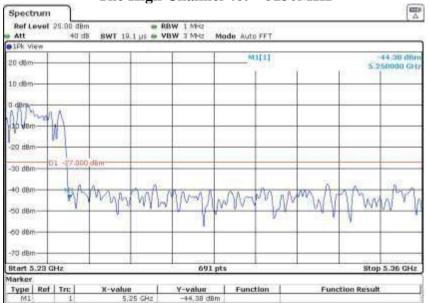


Report No.: AAEMT/EMC/220328-02-04

# 802.11ac(40M) (5.15GHz-5.25GHz) The Lowest Channel 38: 5190MHz



# 802.11ac(40M) (5.15GHz-5.25GHz) The High Channel 46: 5230MHz







### Report No.: AAEMT/EMC/220328-02-04

# 802.11ac(80M) (5.15GHz-5.25GHz) The Lowest Channel 42: 5210MHz

1222250342	L.,							CCCC A
Ref Level Att	25.00 dBm 40 dB		: µ6 . VB	VIMHU VIMHE MO	de Auto FFT			
1Pk View								
20 dBm	1				Malal			41.89.06m
		1			1	210	5.3	50560 GH2
16 d8m-			-	-			-	
ti dêra	1.	1						
-101000-10	MAN	14						
MINI	ALC: N							
-20 ftBm								
-30 dBm	01 -27.000	dani	-					-
T	and the second							
40 0800-		the st	A Aller	AN IMA L	the Askingh A	a Maka Mas	Altacat	Bal
1ª		MAN	W/Mayn	A MARAN	Markell the Me	Margar M	ally have	10 10 10
50 dBm			1		2 1			1
-m8b.6b-			-				_	
-70 dBm				1			-	
Start 5.16	GHz			691 p	ts	- 34-2	Stop	5.56 GHz
tarker	. Robert							
Type Ref	Trc	X-value	8 158 GHz	-41.89 dBm	Function	Funs	ction Result	2
	~		o contraction of the	41.09 000	1			(m
Spectrum			0					(ccc)
Ref Level	25.00 dBm			V 1 Meg				
Ref Level Att			e RBV i µs e VBV	V 1 Meg	de Auto FFT			
Ref Level Att	25.00 dBm			V 1 Meg				[ ∆ 44.47 dtim
Ref Level Att	25.00 dBm			V 1 Meg	de Auto FFT	a.		[ ∆ 44.47 dtim
Ref Level Att PIPk View 20 dBm	25.00 dBm			V 1 Meg	de Auto FFT	1		[ ∆ 44.47 dtim
Ref Level Att 1Pk View 20 dBm 10 dBm	25.00 dBm			V 1 Meg	de Auto FFT	1		[ ∆ 44.47 dtim
Ref Level Att 1Pk View 20 dBm 10 dBm	25.00 dBm			V 1 Meg	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level Att 1Pk View 20 d8m 10 d8m 0 d8m	25.00 dBm			V 1 Meg	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level Att 1Pk View 20 dBm 10 dBm	25.00 dBm			V 1 Meg	de Auto FFT			44.47 dtim 50800 GHz
Ref Level Att 1Pk View 20 d8m 10 d8m 0 d8m	25.00 dBm			V 1 Meg	de Auto FFT	- N	5.1	44.47 dtim 50800 GHz
Ref Level           Att           1Pk View           20 d8m           10 d8m           -10 d8m           -20 d8m	25.00 dBm	SWT 55		V 1 Meg	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           128 View           20 d8m           10 d8m           -10 d8m           -20 d8m	25.00 dBm 40 dB	SWT 55		V 1 Meg	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           1PR View           20 d8m           10 d8m           0 d8m           -10 d8m           -20 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           JPR View           20 d8m           10 d8m           -10 d8m           -20 d8m           -10 d8m           -20 d8m           -10 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           JPR View           20 d8m           10 d8m           -10 d8m           -20 d8m           -10 d8m           -10 d8m           -10 d8m           -10 d8m           -10 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           IPA view           20 d8m           10 d8m           -10 d8m           -20 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dtim 50800 GHz
Ref Level           Att           JPR View           20 d8m           10 d8m           -10 d8m           -20 d8m           -10 d8m           -10 d8m           -10 d8m           -10 d8m           -10 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dhir 50800 GH
Ref Level           Att           1DR view           20 d8m           10 d8m           -10 d8m           -20 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m           -30 d8m	25.00 dBm 40 dB	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		5.1	44.47 dhir 50800 GH
Ref Level           Att           BTR View           BTR View           20 dBm           10 dBm           20 dBm           20 dBm           20 dBm           20 dBm           20 dBm           40 dBm           40 dBm           40 dBm           40 dBm           40 dBm           40 dBm	25.00 đếm 40 đệ 01 -27.000	SWT 55	i pr = VB)	₩ 1 MH2 ₩ 3 MH2 Mio	de Auto FFT		es esmille	44.47 dhir 50800 GH
Ref Level           Att           15 K View           16 d8m           10 d8m           -10 d8m           -20 d8m           -30 d8m           -30 d8m           -60 d8m	25.00 dam 40 da 01 -07.000	SWT 55	i pr = VB)	V 1 MH2 W 3 MH2 Mao	de Auto FFT		es esmille	LA 49.47 (Bin 5000 CH2 MV-HA





### Report No.: AAEMT/EMC/220328-02-04

# 802.11a (5.725GHz-5.85GHz) The Low Channel 149: 5745MHz

Ref Level				W 1 MHz	2000/06/06/07/07		
the second s	50 dB	SWT 4.9 m	ts 🖷 VBV	W 3 MHz Mode	a Auto Sweep		
• 1Pk Max							
Limit 0	heck	NO SOUTH		ABU	MILLI		12:39 dBn
20 dBm	and Eddin 1	OC AGHA	P.	AHSI.	children and		5,75310 CH
					M25173		-22.02 dBo 5.72500 GM
10 dām					1	Si 10	5172300 04
10.000 m							-
0 d8m				-			
					_		
-10 dBro							
20.0010		1740					
-20 dBm-						-	M
Band Edge Fl	tor sinue				W.	-	I wante
130 dem	and a strange	بمورمول المرمسي	بالجلسميميلي	a sharenewanted	APProximation of the second seco	Constant and the second	
30 00411							
40.49m						-	
-40 dBm		-					-
-40 dBm							
-40 dBm							
-40 dBm							
-40 dBm							
-40 dBm -50 dBm							
-40 dBm	Hz			691 pts		Str	op 5.855 GHz
-40 dBm -50 dBm -60 dBm 	Hz			691 pts		Ste	op 5.855 GHz
-40 dBm -50 dBm -60 dBm 		X-value		691 pts Y-value	Function	Str	
-40 dBm -50 dBm -60 dBm Start 1.0 G Marker		X-value 5.7531	GHz				op 5.855 GHz sult

# 802.11a (5.725GHz-5.85GHz ) The High Channel 165: 5825MHz

Att 1Pk Max	50 dB	SWT 4.9	105	W 2 AND MU	de Auto Se	weep			
Limit dh	lock			ABB	M1	[1]			10.70 dBn
20 dBm	nd Edge	FOC SGHa		A.Hal					82340 CH
20 Gom					ME	[1]			-20.77 dbn
10 d8m-							-		Level and
								-	
3 d8m			-		-	-		-	1
10 dBro									
70.0640		1750							
20 dBm				-			-		1
and Edge FD	C SGHz	Thursday and	19035	Jane March Mark	Adding	Louis	APPROX A	a serie and	and the states
OQ ALBERT	Water State	HALF STREAM	And the second second				-		
40 dBm	_			-					
THE BEST									
50 dBm			+	+ +				-	-
28-0/00-1									
60 dBm									
Start 1.0 GH				691 p				<b>61</b> -10	5.855 GHz
larker	iz			-091 p	.5			scop	5.855 GHZ
and the second sec	Tre	X-value	- P	Y-value	Functi	on I	Euro	tion Resul	6
MI	1		4 GHz	10.70 dBm	- unce		- Tan		
M2			S GHz	-23.77 dBm					





Report No.: AAEMT/EMC/220328-02-04

# 802.11n(20M) (5.725GHz-5.85GHz) The Low Channel 149: 5745MHz

Spectrum	1						₩
Ref Level				W 1 MH2	273 (199 <b>)</b> (199	0	27-3
	50 dB	SWT 4.9 mi	WB VB	W 3 MHz Mod	e Auto Sweep		
1Pk Max.							
Limit G	hock	Western 9		ABB	M1[1]		11.28 dBm
20 dbm	ind Edge 1	OC AGHA	P	ABS	about a n		5,73916 GHz
					MS[1]		5.72500 642
10 d8m-					1		arrestor care
W125201							
0 d8m							
						5.1	
-10 dBro-		-					
		12-					INC.
-20 dBm							
Band Edge FC		100 10000000000000000000000000000000000	MARSES	- Jawashing	mento	man marcheller	and an and the second les
100 m2m144	un marchild	All and a second se	- marine	de manuella anti-			
X-2012-11							
-40 dBm		+ +					
-50 dBm				-	-		
220200					-		
-60 dBm							
				412529 000			an and the statements
Start 1.0.G	Hz	A		691 pts	n. A		Stop 5.855 GHz
Marker							
Type Ref		X-value		Y-value	Function	Fun	ction Result
MI	1	5.7391		11.28 dBm		-	
M2	1	5.725	GHZ	-20.62 dBm			

# 802.11n(20M) (5.725GHz-5.85GHz ) The High Channel 165: 5825MHz

Att	50	dB SWT 4.9	ms 🖷 VBW	2 MHz Mod	e Auto Sweep		
●1Pk·M							
Lin Lin 20 dām	e Band Edg	ye FOC SGHa		88 	M1[1] M2[1]		11.28 dBn 5.82346 GH -24.21 dBn
10 d8m	-	-					5.05000 GH
0 d8m-			-		-		
-10 dBr		_	-				
-20 dBn						22.0500	1000 000 710
Fand Ed	ge FCC SGH		Aluto-	an a van finis	entering in the	homewhen the	and the second s
-40 dBn						-	
-50 dBri						_	
-60 dBr		_	1			-	
Start 1	23299675			691 pts			Stop 5.855 GHz
Marker							
Type	Ref   Trc	X-value		Y-value	Function	Functio	n Result
MI	Ref Trc		4 GHz	11.28 dBm	Function	Functio	n Result
M2	1 1	÷ 1	S GHz	-24.22 dBm			





Report No.: AAEMT/EMC/220328-02-04

## 802.11n(40M) (5.725GHz-5.85GHz ) The Lowest Channel 151: 5755MHz

	10.00 dBm 50 dB			V 1 MHz	e Auto Sweep		251-2
e 1Pk Max	50 08	SW1 4.9.0	IS IN VISI	w a ning Midd	e vito sweep		
Limit Check Line Band Edge FDC 56Ha 20 dSm		DC SGHA		A311 A311	MILLI MILLI		8.92 dBn 5.75310 CH -23.94 dBn
10 dām					and a second sec	5	5.72500 GH
0.0800							
52/52				-		3	
-10 dBro		12-					
-20 dBm	C SGHz		10.01.22.0				
ABG_dBgares		مر میں دانیا اس	314 Aver	while an inter the ser		TP COMPANY AND AND A	increased
-40 dBm				-			
						_	
-50 dBm							
-50 dBm				-		2	
-60 dBm							
-60 dBm Start 1.0 GF	łż			691 pts			Stop 5.855 GHz
-60 dBm Start 1.0 GF Marker							
-60 dBm		X-value 5.753	1	691 pts Y-value 8 02 dBm	Function		Stop 5.855 GHz

## 802.11n(40M) (5.725GHz-5.85GHz ) The High Channel 159: 5795MHz

Spectru	um							um ∀
Ref Lev					W 1 MHz			
Att		50 dB	SWT 4.9 m	is 🗰 VB	W 3 MHz Mod	e Auto Sweep		
1Pk Vie								
Limi	t Cho	ck	NOR DATE		ABB	M1[1]		8.42 dBn
20 dom-	Band	Edge	FDC SGHa		A Hot	Serie in		5,79500 GH
e o opini						M5111		-24.39 dBn 5.05800 Gt4
10 dām-	_							pulpado de
an com			1					
0 d8m	-							
D DDIN	1							
-10 dBro-								
20.0010			1700	-				
-20 dBm-	-	-						
Sand Edge	A FOOT	17947						a population
-RO-dBette	COLCES!		1 the walk to be	- Marian	where have been start	provident and the second	C.D. L. L. Markent La	content of the second
	Contractor of		A. A. S.		The second data sec			
-40 dBm-	1		-		-		-	
	2							
-50 dBm-	_		-				-	
- #76, 880 M								
-60 dBm-	_		-		-			
100-001								
Start 1.0	0 GHz	_			691 pt:		- d - 1	Stop 5.855 GHz
Marker								
Type   I	Ref	Tre	X-value	1	Y-value	Function	Funct	ion Result
MI		1	5.7953	GHz	8.42 dBm			
M2		1	5.85	GHz	-24:39 dBm			





Report No.: AAEMT/EMC/220328-02-04

# 802.11ac(20M) (5.725GHz-5.85GHz) The Low Channel 149: 5745MHz

Spectrun	Second second					÷
Ref Level	30.00 dBm	SWT 4.9 ms = V	BW 1 MHz			
Alt Mais	50.08	SWI 4.9 ms 🖷 V	BW 3 NHI MOD	e Auto Sweep		
Timer.	thock		PABE	M1[1]		10.95 dBm
Line 0	and Edge i	DC SCH	PARS			5.73910 GHz
20 d8m-				N12113		-20.15 dBm
				and the second	52 22	5.72500 GH
10 d8m						
0 d8m				1000		
			1000			
-10 dBm						
-0.000				-		M
-20 dBm					1 90900 D.U.	Val Description
Sand Edge F	CC 56Hz	Street Street	2.0 0.000 million (1998)	ALA MANDER MANDER	a someward to meroo	repaired the
139-1484	fallower	Anno the first state of the	Destande grouter and the			
-40 dBm	-		-			-
-50 dBm			-	-	2	-
-60 dBm						
Start 1.0 (	Hz		691 pts		Sta	op 5.855 GHz
Marker	(CAP)		100000		1.00	
Type   Re	f Tec ]	X-value	Y-value	Function	Function Res	ault
MI	1	5.7391 GHz	10.95 dBm			
M2	1	5,725 GHz	-20.15 dBm			

# 802.11ac(20M) (5.725GHz-5.85GHz ) The High Channel 165: 5825MHz

Ref Le	vel 3	0.00 dBm	li comencia a su a	# RB	W 1 MHz			- 62
Att	100:500	SO dB	SWT 4.9 f	ns 🗰 VB	W 3 MHz Mod	e Auto Sweep		
1Pk M	C							
Lin 20 dam	nit Ch te Apr	eck nd Edga f	DC SGH2		ABB	M1[1]		10.56 dBm 5.83840 GH; -24.44 dBm
10 d8m						1000	33 - 70	5.85000 CH
2510000								
0 d8m-	-			_				
					1000			
-10 dBa	-						-	
-212/12/2								
-20 dBr	300					0.0	1 04030 1	- 100 GOD (00
SR dPr	ge FCI	C SGH2	un une	Mindea	- and a state of the second	up mandens	anoning	many and an applied
-ots.uen	200	29020012	Constraint -					
-40 dBn					-			
			1 1					
-50 dBn	0		++	-	+ +		-	
					1			
-60 dBn							-	
Start 1	.0 GH	z		1	691 pts		-21 12	Stop 5.855 GHz
larker					accordination of the second			
	Ref	Tec	X-value		Y-value	Function	Functio	on Result
Type								
Type M1 M2	Cost	1	5.830	4 GHz 5 GHz	10.56 dBm -24.44 dBm			





Report No.: AAEMT/EMC/220328-02-04

## 802.11ac(40M) (5.725GHz-5.85GHz ) The Lowest Channel 151: 5755MHz

Att	vel 3	0.00 dBm SD dB	SWT 4.91		W 1 MHz W 3 MHz Mode	a Auto Sweep		
DIPk M	96.	10.00	001 4.71		in some mou	e Haro Stringh		
	Limit Check Line fond Edge FDC 5G D dSm		DC SGH2	PABE SGHz PABE		M1[1]		8.94 dBn 5.74610 GH -21.67 dBn
5500						and the second	33 2	5,72500 GH
10 d8m	-	-						
0 dBm-	-			-				
			1 1					
-10 dBa	-							
								14
-20 dBr	000 Marine -			-		- A.C.	112-2-2	
Sand Ed		SGH2.	Texture (Section	Same Land	walking a walk	Juis mapping	and the second s	and the superior and the
-59 (BA	1	- mper		A Design of the				
-40 dBn	-							-
-+0 abn								
-50 dBn	-				-		_	
-60 dBn					+		-	
Start 1	O GH	z		1	691 pts		- 21 - 1	Stop 5.855 GHz
larker					a de la companya de la			
Type	Ref	Tec	X-value		Y-value	Function	Fund	tion Result
MI		1	5.746		8.94 dBm			
M2		1	5.72	5 GHz	-21.87 dBm			

# 802.11ac(40M) (5.725GHz-5.85GHz ) The High Channel 159: 5795MHz

	10.00 dBm		RBW 1 MHz	55.000 <b>4</b> 00000	
Att	SO dB	SWT 4.9 ms 🖷	VBW 3 MHz Mod	le Auto Sweep	
1Pk Max					
Limit G	beck	CONTRACT 1	PABB	M1[1]	B.53 dBm
20 dam	nd Edge i	DC 5GHz	PARS	to have been	5.78120 GH
				M22E 8 3	-25.55 dBn 5.85000 GH
10 d8m					attraction Corty
0 d8m		-			
-10 dBm					
-20 dBm				-	
	C SGH2			anno a farman	1. 1. etune
and Edge FC			محسور بيرجموسيل	unamhitina	mandonal manager all and have
and Edge FC				innanhitinianu	mendowing when all the second
and Edge FC 20.dB/0.eo		and the second second	alan an a	innermitivities	in a share and a star bear and
and Edge FC		an a	م محمد بر محمد معالي	ina mutinuun	in advision record and and
and Edge FC 20.dB/0.eo			and and a stand of the stand of	ina mitmeters	in advising a subserved that the could
and Edge FC FQUdBCs		and an ing the second	مەسىرىر بىرجىمەسىرلى	inner Minteritory	in a density of the second
Hand Edge FC ReguldBornan -40 dBm -50 dBm		an a	a harmen a same a s	, in the second s	and an address of the second
land Edge FC FQD.dBCs			مەسەر بىرە ئوسىلى	icena u Mukuuthau	in and a star and a star a
sand Edge FC EQUERA					
40 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm			مەرىپەر يېرەر بېرىيىلى 691 pt		Btop 5.855 GHz
40 dBm 50 dBm 60 dBm 60 dBm 60 dBm 60 dBm 60 dBm	tz		691 pt	5	Stop 5.855 GHz
Sand Edge FC #20.dBm #0 dBm -50 dBm	tz	X-value 5.7912 GH	691 pt		





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# 802.11ac(80M) (5.725GHz-5.85GHz ) The High Channel 155: 5775MHz

Limit Ch	nek						
10.232	nd Edge F	DO SGHA	РАВЫ Рады	1.12	MILLI MILLI	15 W	6.53 dBn 5.76010 GH -23.91 dBn 5.05000 GH
10 d8m				_			
20 dBm and Edge FO	SGHE Landau		minina	- دىن بىر بىرى	ante ante	-	an and marine
40 dBm				_			
60 dBm							
start 1.0.0H farker	z			691 pts			Stop 5.855 GHz

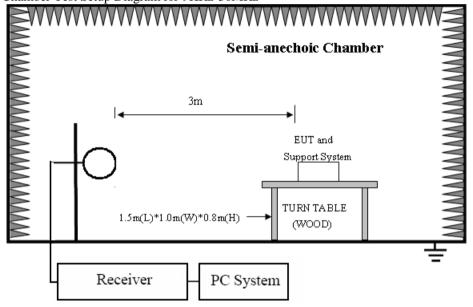


Report No.: AAEMT/EMC/220328-02-04

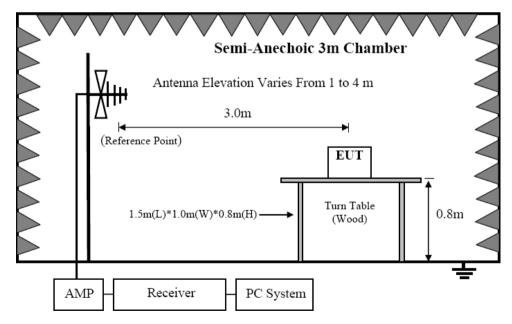
# 8. RADIATED EMISSION MEASUREMENT

# 8.1. Block diagram of test setup

In 3m Anechoic Chamber Test Setup Diagram for 9KHz-30MHz



In 3m Anechoic Chamber Test Setup Diagram for 30MHz-1GHz



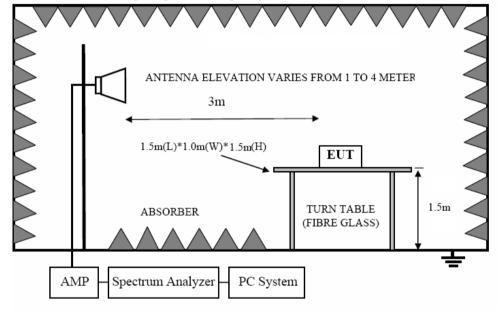






### Report No.: AAEMT/EMC/220328-02-04

### In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.



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# 8.2. Limit

### 9.3.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)

9.3.2. FCC 15.209 Limit.

FREQUENCY	DISTANCE	FIELD STRENG	THS LIMIT	
MHz	Meters	μV/m	dB(µV)/m	
0.009 ~ 0.490	300	2400/F(KHz)	67.6-20log(F)	
0.490 ~ 1.705	30	24000/F(KHz)	87.6-20log(F)	
1.705 ~ 30.0	30	30	29.54	
30 ~ 88	3	100	40.0	
88 ~ 216	3	150	43.5	
216 ~ 960	3	200	46.0	
960 ~ 1000	3	500	54.0	
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)		

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer then that specified, and the limit at closer measurement distance can be extrapolated by below formula: Limit<sub>3m</sub>(dBuV/m)= Limit<sub>30m</sub>(dBuV/m) + 40Log(30m/3m)





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9.3.3. Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 30dB below the fundamental emissions, or comply with 15.209 limits.

### 8.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and assistant system according clause 2.4 and 7.2

(3) Test antenna was located 3m(except 18GHz-40GHz was 1m) from the EUT on an adjustable mast, and the antenna used as below

table.

Test frequency range	Test antenna used
9KHz-30MHz	Active Loop antenna
30MHz-1GHz	Bilog Broadband Antenna
1GHz-18GHz	Double Ridged Horn Antenna(1GHz-18GHz)
18GHz-40GHz	Horn Antenna(18GHz-40GHz)

According ANSI C63.10:2013 clause 6.4.4.2 and 6,5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9KHz to 25GHz:
- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1m to 4m(Except loop antenna, it's fixed 1m above ground.)
- (b) Change work frequency or channel of device if practicable.
- (c) Change modulation type of device if practicable.
- (d) new battery is used during testing
- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces





### Report No.: AAEMT/EMC/220328-02-04

highest emissions.

Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18GHz to 25GHz, so below final test was performed with frequency range from 9KHz to 18GHz.

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.
- (6) The emissions from 9KHz to 1GHz were measured based on CISPR QP detector except for the frequency bands 9-90KHz, 110-490KHz, for emissions from 9KHz-90KHz,110KHz-490KHz and above 1GHz were measured based on average detector, for emissions above 1GHz, peak emissions also be measured and need comply with Peak limit.
- (7) The emissions from 9KHz to 1GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9KHz-150KHz	200Hz
150KHz-30MHz	9KHz
30MHz-1GHz	120KHz

(8) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure(according ANSI C63.10:2013 clause 4.2.3.2.3 procedure for average measure). Peak detector is used for Peak and AV measurement both.

According to KDB 789033 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

E[dBuV/m] = EIRP[dBm] + 95.2;For example, if EIRP = -27dBm E[dBuV/m] = -27 + 95.2 = 68.2dBuV/m.





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# 8.4. Test result(Below 30MHz)

EUT:	QCS610-410EVK	Model Name. :	QCS610 EVK (SOM+Carrier)
Temperature:	23 °C	<b>Relative Humidity:</b>	56%
Distance:	3m	Test Power:	DC 12V
Polarization:		Test Result:	Pass
Test Mode:	Keeping TX mode	Test By:	Mayank

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				Р
				Р

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

Note: N/A



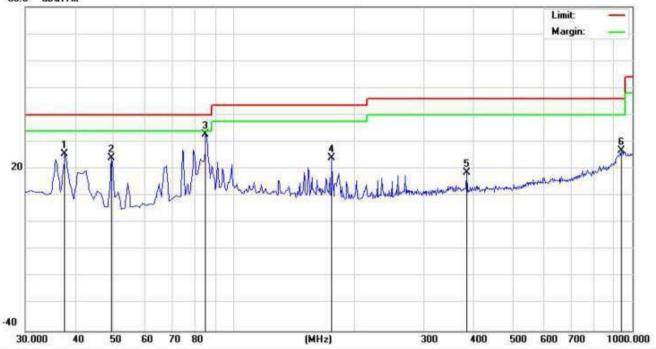


### Report No.: AAEMT/EMC/220328-02-04

## TEST RESULTS (Between 30M - 1000 MHz)

EUT:	QCS610-410EVK	Model Name. :	QCS610 EVK (SOM+Carrier)
Temperature:	23 °C	<b>Relative Humidity:</b>	56%
Distance:	3m	Test Power:	DC 12V
Polarization:	Vertical	Test Result:	Pass
Standard:	(RE)FCC PART 15	Test By:	Mayank
Test Mode:	Keeping TX mode		

80.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		37.7599	34.90	-9.25	25.65	40.00	-14.35	QP
2		49.4000	32.59	-8.40	24.19	40.00	-15.81	QP
3	*	85.2900	38.18	-5.35	32.83	40.00	-7.17	QP
4		176.4700	27.41	-3.46	23.95	43.50	-19.55	QP
5	;	384.0500	19.96	-1.34	18.62	46.00	-27.38	QP
6	ę	938.8900	16.72	10.12	26.84	46.00	-19.16	QP

The test result is calculated as the following:

(1) Result = Reading + Correct Factor

(2) Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain + Attenuator

- (3) Margin = Result Limit
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Plot No.174, Udyog Vihar Phase 4, Sector -18, Gurgaon -122016, Haryana, India

Contact: 0124-4235350, 4145343; e-mail: info @aaemtlabs.com; Website: <u>www.aaemtlabs.com</u>

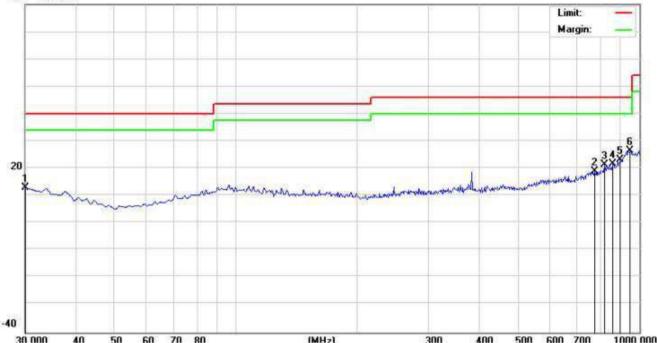




### Report No.: AAEMT/EMC/220328-02-04

EUT:	QCS610-410EVK	Model Name. :	QCS610 EVK (SOM+Carrier)
Temperature:	23 °C	<b>Relative Humidity:</b>	56%
Distance:	3m	Test Power:	DC 12V
Polarization:	Horizontal	Test Result:	Pass
Standard:	(RE) FCC PART 15	Test By:	Mayank
Test Mode:	Keeping TX mode		

#### 80.0 dBuV/m



30.00	n 7	60 56	0 60	70 80	(MHz)	3	10 400	500 600 70	1000 000
No.	Mk	. F	req.	Reading Level	Correct Factor		- Limit	Over	
		I	MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		30.0	0000	15.35	-2.42	12.93	40.00	-27.07	QP
2		775.9	9300	15.59	3.41	19.00	46.00	-27.00	QP
3		820.	5500	16.88	4.61	21.49	46.00	-24.51	QP
4		859.3	3500	15.70	6.05	21.75	46.00	-24.25	QP
5		899.	1200	15.77	7.52	23.29	46.00	-22.71	QP
6	*	950.	5300	16.29	10.25	26.54	46.00	-19.46	QP

The test result is calculated as the following:

- (4) Result = Reading + Correct Factor
- (5) Correct Factor = Antenna Factor + Cable Loss Amplifier Gain + Attenuator
- (6) Margin = Result Limit

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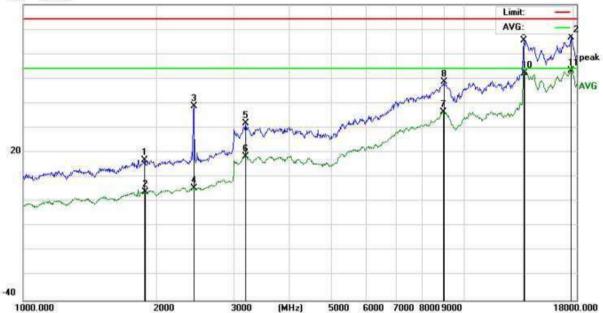


### Report No.: AAEMT/EMC/220328-02-04

## TEST RESULTS (Between 1000M – 18000 MHz)

IDDI HEBEEID (	(_ ••• •• •• = • • • •• •	10000 111111)		
EUT:	QCS610-410EVK		Model Name. :	QCS610 EVK (SOM+Carrier)
Temperature:	23 °C		<b>Relative Humidity:</b>	56%
Distance:	3m		Test Power:	DC 12V
Polarization:	Vertical		Test Result:	Pass
Standard:	(RE) FCC PART 15		Test By:	Mayank
Test Mode:	Keeping TX mode			

80.0 dBuV/m



1000.000		20	JU 30L	IU (MHz)	5000 6000	1000 8000 3000		18000.00
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		1883.236	27.14	-10.17	16.97	74.00	-57.03	peak
2		1899.636	14.17	-10.08	4.09	54.00	-49.91	AVG
3	:	2435.701	46.28	-7.59	38.69	74.00	-35.31	peak
4		2442.751	13.07	-7.57	5.50	54.00	-48.50	AVG
5	:	3196.094	37.15	-5.38	31.77	74.00	-42.23	peak
6	;	3205.345	23.85	-5.35	18.50	54.00	-35.50	AVG
7	1	8969.161	22.15	14.27	36.42	54.00	-17.58	AVG
8	1	8995.123	34.26	14.48	48.74	74.00	-25.26	peak
9		13677.96	48.09	17.24	65.33	74.00	-8.67	peak
10		13717.56	34.97	17.27	52.24	54.00	-1.76	AVG
11	*	17436.70	32.95	20.27	53.22	54.00	-0.78	AVG
12		17487.18	46.23	20.36	66.59	74.00	-7.41	peak

The test result is calculated as the following:

(1) Result = Reading + Correct Factor

(2) Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain + Attenuator

(3) Margin = Result - Limit



### Report No.: AAEMT/EMC/220328-02-04

EUT:	QCS610-410E	VK	Мо	del Name. :		10 EVK
T	23 °C		Dala	4:		+Carrier)
Temperature:	25 C 3m			tive Humidity	DC 12	V
Distance:				Power:		v
Polarization:	Horizontal	7.1.5		Result:	Pass	,
Standard:	(RE) FCC PART		Test	By:	Mayan	k
Test Mode: 80.0 dBu∀/m	Keeping TX mo	de				
		1				Limit: —
	1					AVG:
						Mr.M.
	×	man	Manus	norderne		mantante
		- - -	m			

1000.000		20	000 300	0 (MHz)	5000 6000 70	000 8000 9000		18000.00
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	13	323.614	26.59	-13.31	13.28	74.00	-60.72	peak
2	18	324.302	29.04	-10.52	18.52	74.00	-55.48	peak
3	24	35.701	40.11	-7.59	32.52	74.00	-41.48	peak
4	37	79.422	34.92	-3.92	31.00	74.00	-43.00	peak
5	88	314.957	34.46	13.05	47.51	74.00	-26.49	peak
6	13	3837.02	47.57	17.35	64.92	74.00	-9.08	peak
7	13	323.614	15.37	-13.31	2.06	54.00	-51.94	AVG
8	18	829.582	15.31	-10.49	4.82	54.00	-49.18	AVG
9	24	14.672	14.03	-7.69	6.34	54.00	-47.66	AVG
10	38	301.333	22.20	-3.88	18.32	54.00	-35.68	AVG
11	87	64.147	21.11	12.65	33.76	54.00	-20.24	AVG
12	* 13	3757.26	35.04	17.30	52.34	54.00	-1.66	AVG

The test result is calculated as the following:

(4) Result = Reading + Correct Factor

(5) Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain + Attenuator

(6) Margin = Result - Limit





### Report No.: AAEMT/EMC/220328-02-04

The field strength is calculated by adding the Antenna Factor. Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor –Preamplifier Factor.

Average measurement was not performed if peak level lower than average limit.

No any other emissions level very low which are attenuated less than 20dB below the limit.

According to 15.31(o), The amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part.

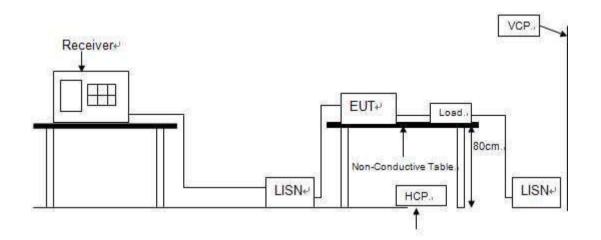
Hence there no other emissions have been reported.



Report No.: AAEMT/EMC/220328-02-04

# 9. POWER LINE CONDUCTED EMISSION

# 9.1. Block diagram of test setup



# 9.2. Power Line Conducted Emission Limits

Frequency	Quasi-Peak Level dB(µV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.







### Report No.: AAEMT/EMC/220328-02-04

## 9.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 KHz.

### 9.4. Test Result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

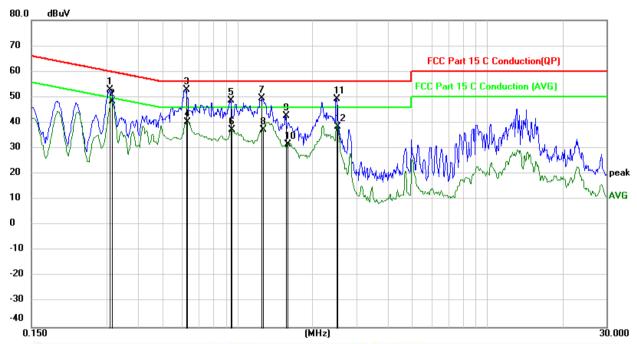
Note2: "-----" means peak detection; "----" mans average detection





### Report No.: AAEMT/EMC/220328-02-04

EUT:	QCS610-410EVK	Model Name.	QCS610 EVK
		:	(SOM+Carrier)
Temperature:	25 °C	Relative	51%
		Humidity:	
Probe:	Positive	Test Power:	DC 12V
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 C_QP		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
_		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3085	52.46	0.45	52.91	60.01	-7.10	QP
2	*	0.3134	48.03	0.45	48.48	49.88	-1.40	AVG
з		0.6260	52.39	0.41	52.80	56.00	-3.20	QP
4		0.6303	39.77	0.41	40.18	46.00	-5.82	AVG
5		0.9410	48.26	0.40	48.66	56.00	-7.34	QP
6		0.9498	36.87	0.40	37.27	46.00	-8.73	AVG
7		1.2424	49.14	0.40	49.54	56.00	-6.46	QP
8		1.2648	36.85	0.40	37.25	46.00	-8.75	AVG
9		1.5620	42.35	0.41	42.76	56.00	-13.24	QP
10		1.5933	31.13	0.41	31.54	46.00	-14.46	AVG
11		2.4890	48.85	0.41	49.26	56.00	-6.74	QP
12		2.5159	37.99	0.41	38.40	46.00	-7.60	AVG

The test result is calculated as the following:

(1) Result = Reading + Correct Factor

(2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss + Attenuator

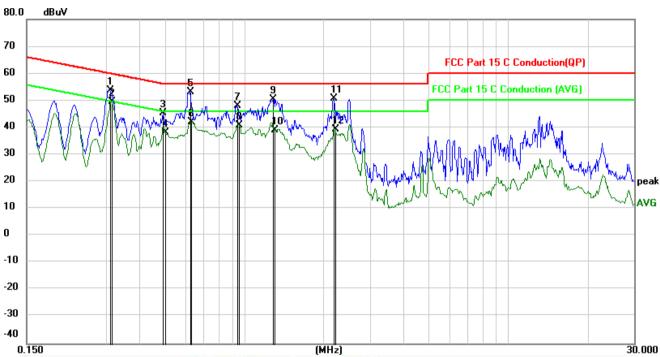
(3) Margin = Result - Limit





### Report No.: AAEMT/EMC/220328-02-04

EUT:	QCS610-410EVK	Model Name.	QCS610 EVK
		:	(SOM+Carrier)
Temperature:	25 °C	Relative	51%
		Humidity:	
Probe:	Negative	Test Power:	DC 12V
Test Mode:	TX	Test Result:	Pass
Standard:	(CE)FCC PART 15 C_QP		



-				·····,				
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3103	53.41	0.45	53.86	59.96	-6.10	QP
2		0.3140	49.14	0.45	49.59	49.86	-0.27	AVG
з		0.4916	45.06	0.41	45.47	56.14	-10.67	QP
4		0.5043	37.79	0.41	38.20	46.00	-7.80	AVG
5		0.6260	52.69	0.41	53.10	56.00	-2.90	QP
6		0.6303	41.75	0.41	42.16	46.00	-3.84	AVG
7		0.9410	47.54	0.40	47.94	56.00	-8.06	QP
8		0.9544	40.33	0.40	40.73	46.00	-5.27	AVG
9		1.2830	49.95	0.40	50.35	56.00	-5.65	QP
10		1.2963	38.77	0.40	39.17	46.00	-6.83	AVG
11		2.1785	50.39	0.41	50.80	56.00	-5.20	QP
12		2.2053	38.81	0.41	39.22	46.00	-6.78	AVG
		fallen and a second second second	CTORE SEALADING.	10 IV		in un avent interaction		2012 - 11 - 11 - 11 - 11 - 11 - 11 - 11

The test result is calculated as the following:

(1) Result = Reading + Correct Factor

(2) Correct Factor = (LISN, ISN, PLC or Current Probe) Factor + Cable Loss + Attenuator

(3) Margin = Result - Limit





Report No.: AAEMT/EMC/220328-02-04

# **10. CONDUCTED SPURIOUS EMISSIONS**

Test Requirement:

FCC Part 15 C section 15.407

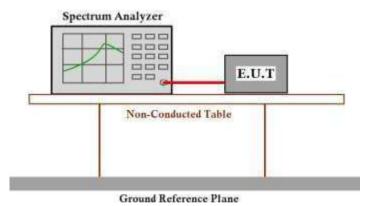
(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Method: Test Status:

### ANSI C63.10: Clause 6.7

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below. Pre-test the EUT under 2 modes: power-supplied by using the AC adapter and power-supplied by using internal battery. After pre-testing, we found the worst case is the test mode of EUT power-supplied by using internal battery.

Test Configuration:



Test Procedure:

- 1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
- 2. Set the spectrum analyzer: RBW=100 KHz, VBW = 300KHz. Sweep = auto; Detector Function = Peak. Trace = Max Hold, Scan up through 10th harmonic.
- 3. Measure the Conducted Spurious Emissions of the test frequency with special test status.
- 4. Repeat until all the test status is investigated.
- 5. Report the worse case.





## Report No.: AAEMT/EMC/220328-02-04

### **Result plot as follows:**

### a20 5.180 GHz

dia a character				<u>u=0 0110</u>	V OIIZ				100
Spectrum									4
Ref Level				W 1 MH2	SOUTH STATE				
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ME	1		DEB GHz	-30.55 dBm					
Mi	1	5.	168 GHz	9.27 dBn	1	tion	Fun	tion Result	





## Report No.: AAEMT/EMC/220328-02-04

Spectrum				
Ref Level 30.00 dBm Att 40 dB	# RBW		11.11.0.00	N
Att 40 dB	SWT 1 ms = VBW	3 MHz Mode Auto	0 2maab	
Arts ords			MIEI	-38.40 d6m
			and and	974.00 MHz
20 d8m				
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M1 1 Spectrum	X-volue 974.0 MHz	-38.40 dam	notion	Function Result
M1 1 Spectrum Ref Level 30.00 dbm	974.0 MHz	-38.40 dām	-	
Spectrum Ref Level 30.00 dBm	974,8 MHz	-38.40 dām	uto Sweep	
M1 1 Spectrum Ref Level 30.00 d8m Att 40 d8	974.0 MHz	-38.40 dām	-	(∰ ∆ 9.02 dBr
M1 1 Spectrum Ref Level 30.00 d8m Att 40 d8	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 5.2620 GHz
M1 1 Spectrum Ref Level 30.00 d8m Att 40 d8 10K Max 20 d8m M1	974.0 MHz	-38.40 dām	uto Sweep	9.02 dBm 5.2620 GH -30.22 dbm
M1 1 Spectrum Ref Level 30.00 d8m Att 40 d8 1PK Max 20 d8m M1	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 5.2620 GH -30.22 dbm
M1 1 Spectrum Ref Level 30.00 dbm Att 40 db 10 dbm M1 0 dbm M1	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 5.2620 GH -30.22 dbm
M1         L           Spectrum         Ref Level 30.00 dbm           Att         40 db           p1Fk Max         20 dbm           00 dbm         M1	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 5.2620 GHz
M1         1           Spectrum         Ref Level 30.00 d6m           Att         40 d8           FIFK Max         40 d8           10 d8m         M1           10 d8m         M1           1 d8m         1	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 6.2620 GHz -30.22 dbm
M1         L           Spectrum         Image: Constraint of the system of	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 6.2620 GHz -30.22 dbm
M1         L           Spectrum         Image: Constraint of the system of	974.0 MHz	-38.40 dām	uto Sweep MILI	9.02 dBm 6.2620 GHz -30.22 dbm
M1         1           Spectrum         Ref Level 30.00 d8m           Ref Level 30.00 d8m         40 d8           PIPK Max         40 d8           PIPK Max         40 d8           10 d8m         M1	974.0 MHz • R0 SWT 102 ms • VB	-38.40 d8m	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dbm 18.0600 GHz
M1         1           Spectrum         1           Bef Level 30.00 dbm         40 db           Att 40 db         40 db           10 dbm         10 dbm           10 dbm         11           10 dbm         11           10 dbm         11           30 dbm         11           30 dbm         51           30 dbm         51	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dbm 18.0600 GHz
M1         L           Spectrum         30.00 dbm           Att         40 db           10k Max         20 dbm           10 dbm         M1           0 dbm         M1           30 dbm         51 - 27 000 dbm           30 dbm         51 - 27 000 dbm	974.0 MHz • R0 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dBm 310.0600 GHz
M1         L           Spectrum         Ref Level 30.00 d8m           Att         40 d8           1PK Max         20 d8m           10 d8m         M1           0 d8m         M1           30 d8m         D1 -27 000 d8m           40 d8m         D1 -27 000 d8m	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dBm 310.0600 GHz
M1         L           Bet Level 30.00 dbm           Att 40 db           10 dbm           10 dbm           30 dbm           30 dbm           30 dbm           30 dbm           30 dbm	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dBm 310.0600 GHz
M1         L           Spectrum         Ref Level 30.00 d8m           Att         40 d8           1PK Max         20 d8m           10 d8m         M1           0 d8m         M1           30 d8m         D1 -27 000 d8m           40 d8m         D1 -27 000 d8m	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBn 5.2620 GH -30.22 dbn 38.0600 GH
M1         L           Spectrum         Att         40 dB           Att         40 dB         10 dBm           10 dBm         M1         0 dBm           10 dBm         M1         0 dBm           10 dBm         M1         0 dBm           30 dBm         M1         0 dBm           30 dBm         D1 - 27 000 dBm         M1	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBm 5.2620 GHz -30.22 dBm 310.0600 GHz
M1         1           Spectrum         Att           Att         40 dB           Att         40 dB           1PK Max         10 dBm           10 dBm         M1           10 dBm         M1           10 dBm         M1           10 dBm         M1           20 dBm         01 -827 000 dB           30 dBm         01 -827 000 dB           50 dBm         60 dBm	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	wto Sweep. MS[1] MS[1]	9.02 dBn 5.2620 GH -30.22 dbn 38.0600 GH
M1         L           Spectrum         Ref Level 30.00 dim           Att         40 dB           Att         40 dB           10 dBm         M1           10 dBm         M1           20 dBm         M1           30 dBm         M1           30 dBm         M1           40 dBm         M1           50 dBm         M1           50 dBm         M1           50 dBm         M1           50 dBm         M1           60 dBm         M1           60 dBm         M1	974.0 MHz	-38.40 dBm	uto Sweep MIIII -MIII - 	9.02 dBm 5.2620 GHz -30.22 dBm 10.0600 GHz
M1         L           Spectrum         Att         40 dB           Att         40 dB         10 dB           10 dBm         M1         0 dB           10 dBm         M1         0 dBm           10 dBm         M1         0 dBm           30 dBm         M1         0 dBm           30 dBm         D1         27 000 dBm           30 dBm         D1         27 000 dBm           50 dBm         S0 dBm         M1	974.0 MHz R8 SWT 102 ms • VB	-38.40 dBm	uto Sweep MIIII -MIII - 	9.02 dBm 6.2620 GHz -30.32 dbm 38.0600 GHz

# <u>a20 5.240 GHz</u>





Spectrum		<u>n20 5.180 G</u>		(m)
Ref Level 30.00 dBm		BW 1 MH2		[_A
Att 40 dB	SWT 1 ms .		to Sweep	
1Pk Max			Contraction (No.	
	8	- P	MILII	-39,42 ditri 909,50 MH
20 dBm	-		1 1	909-50 MPL
LO dBm				
0 dBm				
0.040-0				
-10 dBm				
2				
20 dBm	1			
30 dBm D1 -27.000 dE	Arrest and a second			
0.32272				nes
40 dBm	An American Second	a summer construction to the	and the market	Administration
SO dBm	or party of the party of the		and found for other states and	al the statute of the design of the state
SU (IBM)				
60 dBm				
10.01939				
Start 30.0 MHz	10	691 pts	1. 11	Stop 1.0 GHz
M1 1	X-value 909.5 MHz		unction	Function Result
M1 1 Spectrum	909.5 MHz	-39.42 dBm	unction	Function Result
M1 1	909.5 MHz	-39.42 dBm		ſœ
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB	909.5 MHz	-39.42 dBm	Auto Sweep	an A
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB	909.5 MHz	-39.42 dBm		6.74 dBn
Spectrum Ref Level 30.00 dBm	909.5 MHz	-39.42 dBm	Auto Sweep	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Spectrum	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dbn 5.1888 GH
M1         1           Spectrum	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Spectrum	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Ref Level 30.00 dBm         Aut           Att         40 dB           91Pk Max         20 dBm           20 dBm         M1           10 dBm         M1           0 dBm         M1	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Ref Level 30.00 dBm           Att         40 dB           \$1Pk Max           20 dBm           10 dBm           0 dBm	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1Pi; Max         20 dBm           10 dBm         M1           0 dBm         10 dBm	909.5 MHz	-39.42 dBm	Auto Sweep Mt[1]	8.74 dBn 5.1889 GH -31.31 dBn
M1         1           Ref Level 30.00 dBm           Att         40 dB           11Pk Max           20 dBm           10 dBm           10 dBm           20 dBm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1843 GH 
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1Pk Max         20 dBm           10 dBm         M1           20 dBm         M1           20 dBm         M1           30 dBm         D1           30 dBm         J	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1843 GH 
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1Pk Max         20 dBm           10 dBm         M1           20 dBm         M1           20 dBm         M1           30 dBm         D1           30 dBm         J	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1843 GH 
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 db           1PK Max         20 dbm           20 dbm         M1           0 dbm         M1           0 dbm         M1           30 dbm         M1           30 dbm         D1 - 27 000 dbm           -30 dbm         D1 - 27 000 dbm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1840 GH 
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1P/: Max         20 dBm           10 dBm         M1           0 dBm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1840 GH 
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 db           1PK Max         20 dbm           20 dbm         M1           0 dbm         M1           0 dbm         M1           30 dbm         M1           30 dbm         D1 - 27 000 dbm           -30 dbm         D1 - 27 000 dbm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1840 GH 
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           10/ Max         10 dBm           10 dBm         M1           0 dBm         0 dBm           10 dBm         0 dBm           30 dBm         D1 27 000 dBm           30 dBm         D1 27 000 dBm           50 dBm         60 dBm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	8,74 dBn 5,1888 GH -31,31 dBn 18,0680 GH
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 db           1PK Max         20 dbm           10 dbm         M1           0 dbm         M1           30 dbm         M1           30 dbm         M1           30 dbm         M1           40 dbm         M1           50 dbm         M1           60 dbm         M1           60 dbm         M1           60 dbm         M1	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1]	В.74 dBn 5,1840 GH 
M1         1           Spectrum         Att           Att         40 dB           1P/: Max         40 dB           1P/: Max         10 dBm           10 dBm         M1           0 dBm         0 dBm           10 dBm         0 dBm           30 dBm         D1 -27 000 dB           -10 dBm         -10 dBm           -10 dBm         -10 dBm           -30 dBm         D1 -27 000 dB           -50 dBm	909.5 MHz 8WT 102 ms	-39.42 dBm	Auto Sweep M1[1] M2[1] M2[1] M2[1]	8,74 dBn 5,1888 GH -31,31 dBn 18,0680 GH





Ref Level 30.00 dBm RBW		(EE)
	1 MHz	[ A
Att 40 dB SWT 1 ms VBW	3 MHz Mode Auto Sweep	
The artes	Milil	-40.19 dBn
20 d8m		9(02).00 MHz
A Maler		
0 d8m		-
) dBm		-
10 dBm		
20 dBm		
00 dBm D1 -27.000 dBm		
40 dBm	manneleyerdenpilipaarn	www.sundamand
50 dBm-		-
60 dBm		
itart 30.0 MHz	691 pts	Stop 1.0 GHz
larker		
M1 1 903.8 MHz	-40.19 dBm	(m A
Att 40 dB SWT 102 ms - VB1	W 1 MHz W 3 MHz - Mode Auto Sweep	
1Pk Max	M1[1]	9,40 dBn
1974-0	lines + 4	5,2620 GH
20 dBm	M2[1]	-31.96 dBn 18.0680 GH
LO dBm.		include on
) dBm		
1 dBm		
10 dBm	- Maryaker	Miles by a large start
10 dBm	went work the work of the w	ing the start way way
10 dBm	newspoortheaster	ing Maritan Manhare
10 dBm 20 dBm 30 dBm 01 -27 000 dBm 40 dBm	nenerwanthan	in Marsharen aren are
10 dBm 20 dBm 30 dBm 40 obh 50 dBm	691 pts	Btop 26.5 GHz





Spectrum		<u>n40 5.19</u>			100
Ref Level 30.00	dha	BBW 1 MH2			[-A
			e Auto Sweep		
1Pk Max		1410 3101	8. HAIG SHOPP		
	3 5	2 1	M1[1]		-39.57 dBr
10 Mar 10		· · · · · ·	No.		#84.20 MH
20 dBm					
10 d8m					
W South					
) dBm					
724822-11-					
10 dBm-	-	-			
20 dBm	-	-			
D1 -27	000 dBm				
30 dBm mab 00	110 1100				
10.000					M1
40 dBm	ALL MARTIN MILLER	behave the manufacture of the	a limin to be	LAND ANTALANA ANTA	prepterman
50 dBm	1 Barely	and an arrive			
00 08/0					
60 dBm		3 6			
000000000000000000000000000000000000000		17 20205 17	a 1		
itert 30.0 MHz		691 p	5		Stop 1.0 GHz
lerker					
	M. combran	1 M suching	I Francistican I	Frentline	Descript
M1 1		Y-value Hz -39.57 dBm	Function	Function	(a
M1 1	884.2 N		Function	Function	(a
M1 1 Spectrum Ref Level 30.00 Att	884.2 M	€Hz -39.57 d8m	Function	Function	(a
M1 1 Spectrum Ref Level 30.00 Att	884.2 M	€ RBW 1 MHz	ode Auto Sweep	Function	
Spectrum Ref Level 30.00	884.2 M	€ RBW 1 MHz		Function	6.16 dBr
M1 1 Spectrum Ref Level 30.00 Att s1Pk Max	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBn 5.1880 GH
M1 1 Spectrum Ref Level 30.00 Att s1Pk Max	884.2 M	€ RBW 1 MHz	ode Auto Sweep	Function	6.16 dBr 5.1880 GH -31.41 dBr
M1 1 Spectrum Ref Level 30.00 Att p1Pk Max 20 dBm	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBn 5.1880 GH
M1 1 Spectrum Ref Level 30.00 Att 10 dBm 10 dBm	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1680 GH -31.41 dBr
M1 1 Spectrum Ref Level 30.00 Att 10 dBm 10 dBm	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1680 GH -31.41 dBr
M1         1           Ref Level 30.00         Att           b1Pk Max         20 d8m           0 d8m         0	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1680 GH -31.41 dBr
M1         1           Ref Level 30.00         Att           b1Pk Max         20 d8m           0 d8m         0	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1880 GH -31.41 dBr
M1 1 Perf Level 30.00 Att P1Pk: Max D1Pk: Max D0 dBm	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1680 GH -31.41 dBr
M1         1           Spectrum         30.00           Att         30.00           htt         30.00           htt         30.00           b1Pk Max         30.00           0 dBm         30.00           10 dBm         30.00           30 dBm         30.00	884.2 M	€ RBW 1 MHz	ade Auto Sweep MI[1]	Function	6.16 dBr 5.1680 GH -31.41 dBr
M1         1           Ref Level 30.00         Att           #1Pk Max         1           20 dBm         1           10 dBm         1           20 dBm         1	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1889 CH -31.41 dBr 15.4110 GH
M1         1           Spectrum         1           Bar         30.00           Att         1           1Pk Max         1           1D dBm         1           10 dBm         1           20 dBm         1           30 dBm         0	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1889 CH -31.41 dBr 15.4110 GH
M1         1           Spectrum         1           Bar         30.00           Att         1           1Pk Max         1           1D dBm         1           10 dBm         1           20 dBm         1           30 dBm         0	884.2 M	€ RBW 1 MHz	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1889 CH -31.41 dBr 15.4110 GH
M1         1           Ref Level 30.00         Att           P1Pk Max         1	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1889 CH -31.41 dBr 15.4110 GH
M1         1           Ref Level 30.00         Att           P1Pk Max         1	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1889 CH -31.41 dBr 15.4110 GH
M1         1           Ref Level 30.00         30.00           Att         30.00           1P/r Max         30.00           2D dBm         30.00           10 dBm         30.00           30 dBm         DI -27           30 dBm         DI -27           30 dBm         DI -27           30 dBm         DI -27           50 dBm         30.00	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1880 GH -31,41 dBr 15,4110 GH
M1         1           Ref Level 30.00         Att           P1Pk Max         1	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	ode Auto Sweep MI[1] M2[1]		6.16 dBr 5.1880 GH -31,41 dBr 15,4110 GH
M1         1           Spectrum         30.00           Att         30.00           Att         30.00           att         30.00           b1Pk Max         30.00           10 dBm         10.00           10 dBm         10.00           30 dBm         D1 27           30 dBm         50.00           50 dBm         4.00           60 dBm         60 dBm	884.2 M	• RBW 1 MH2     • RBW 1 MH2     • VBW 3 MH2	nde Auto Sweep MI[I] M2[1]		6.10 dBr 5.1889 GH -31.41 dBr 15.4110 GH
M1         1           Ref Level 30.00         Att           Ref Level 30.00         Att           rIPk Max         10           10 dBm         10           10 dBm         10           30 dBm         1           30 dBm         1           30 dBm         1           40 'Bth         -           40 'Bth         -           30 dBm         -           40 'Bth         -           50 dBm         -           60 dBm         -           8tart 1.0 GHz         -	884.2 M	● RBW 1 MHQ ● RBW 1 MHQ S ● VBW 3 MHz M	nde Auto Sweep MI[I] M2[1]		6.10 dBr 5.1889 GH -31.41 dBr 15.4110 GH
M1         1           Spectrum         Ref Level 30.00           Att         1           M1         1           M2         30.00           Att         1           M3         1           M4         1 <td>884.2 M</td> <td>691 p</td> <td>nde Auto Sweep MI[I] M2[1]</td> <td></td> <td>6.16 dBr 5.1880 GH </td>	884.2 M	691 p	nde Auto Sweep MI[I] M2[1]		6.16 dBr 5.1880 GH 
M1         1           Perf Level 30.00         30.00           Att         1           1PK Max         1           2D dBm         1           1D dBm         1           30 dBm         1           30 dBm         01           30 dBm         01           30 dBm         01           30 dBm         01	884.2 M	• 38.57 dBm           • RBW 1 MHq           • RBW 1 MHq           • VBW 3 MHz           • VBW 3 MHz           • VBW 3 MHz           • 000 MHz	nde Auto Sweep MI[I] M2[1] M2[1]		6.16 dBr 5.1880 GH -31.41 dBr 15.4110 GH -31.41 dBr 15.4110 GH





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Spectrum	10000000000000000000000000000000000000	
Att 40 dB SWT 1 r	# RBW 1 MHz	
Att 40 dB SWT 1 (	ns 🖶 VBW 3 MHz Mode Auto Sweep	
APR OND.	Mi(i)	-39.94 dBn
		948.30 MH
20 dBm		
10 d8m		
4 0 Sec. 1		
0 dBm		
-10 dBm		
-20 dBm		
-30 d8m D1 -27.000 d8m		
0.2016-0.201		WI
40 dBm Landaharren landaharren	ununite the stranger primer whether	and the second and the second second
-50 dBm		
-60 dBm		
Start 30.0 MHz	691 pts	Stop 1.0 GHz
1arker		
RefLevel 30.00 dBm Att 40 dB SWT 10	■ RBW 1 MHg 2 ms ■ VBW 3 MHz Mode Auto Sweep	i and the second se
PIPK Max		
	MI[1]	6.41 d8n
20 dBm	M2[1]	5.2250 GH -30.83 dBr
	and all	15,4110 GH
1.11 william		
10 d8m 011		1 1 1
T - T		
D dBm-		
0 dBm		
0 dBm		
0 dBm -10 dBm -20 dBm -30 dBm D1 -27,008 dBm	10	
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	maline and school to the malene	Man Man man and all more
0 dBm -10 dBm -20 dBm -30 dBm D1 -27,008 dBm	muhora sund an Farriera	
0 dBm -10 dBm -20 dBm -30 dBm -33 dBm - D1 -27 000 dBm -36 dBm - 10 -27 000 dBm	with my the weather the the the	
0 dBm -10 dBm -20 dBm -30 dBm -33 dBm - D1 -27 000 dBm -36 dBm - 10 -27 000 dBm	with my the weather the tool and	
0 dBm -10 dBm -20 dBm -30 dBm -33 dBm - D1 -27 000 dBm -36 dBm - 10 -27 000 dBm	raling and a distribution	
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -50 dBm	rouhon, sure and the first and	
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -60 dBm -60 dBm -60 dBm	15 Martin Surger Surger State of State	Marken manual and
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 d	691 pts	Btop 26.5 GHz
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -60 dBm -60 dBm -60 dBm -70 d	691 pts	Marken manual and
0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -60 dBm -70 d	691 pts	Btop 26.5 GHz





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	SWT 1 ms 🖷	The state of	ode Auto Swee	φ			
1Pk Max		10	MILI	1		54	39.76 dBn
		-		-			156.10 MHz
20 dBm				1	1		1
LO dBm							
0 dBm							
0.000							
10 dBm	-	-		-			-
22							
20 dBm		-	-	-			-
D1 -27.000 dB	mt to						
30 dBm							
40 dBm		10 - 2011	11			M3	and the second sec
in an in a start where	Nubuchana	Annangundar	an application	nman	and an and a	-myradyaa	and her was
S0 dBm				_			-
215.0764455-2							
60 dBm		-		-	-		-
Start 30.0 MHz	<u></u>	691	pts		1.0	Ste	p 1.0 GHz
Type Ref Trc M1 1 Spectrum	X-value 856.1 MH	Y-value z -39.76 dt	Function	1	Func	tion Result	[00
Type         Ref         Trc           M1         1         1           Spectrum	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	im		Func	tion Result	00
Type         Ref         Trc           M1         1           Spectrum           Ref Level 30.00 dbm           Att         40 db	856.1 MH	-39.76 di			Func	tion Result	00
M1 1 Spectrum Ref Level 30.00 d8m	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	im	veep	Func		8.02 dBn
Type         Ref         Trc           M1         1           Spectrum           Ref Level 30.00 dbm           Att         40 db	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1689 CH:
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level 30.00 d8m         40 d8           Att         40 d8         20 d8m	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sv	veep	Func		8.02 dBm 5.1888 GH 32.05 dBm
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level 30.00 dbm         Att           Att         40 db         BIPk Max           20 dbm         Att         Att	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		ω
Type         Ref         Trc           M1         1         1           Spectrum         30.00 d8m           Att         40 d8           91Pk Max         20 d8m           10 d8m         M1	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1889 GH 32.05 dBn
Type         Ref         Trc           M1         1         1           Spectrum         30.00 d8m           Att         40 d8           91Pk Max         20 d8m           10 d8m         M1	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1889 GH 32.05 dBn
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level \$0.00 dbm         0 dbm           Att         40 db         1           10 dbm         M1         0 dbm           0 dbm         M1         0 dbm	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1889 GH 32.05 dBn
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level \$0.00 dbm         0 dbm           Att         40 db         1           10 dbm         M1         0 dbm           0 dbm         M1         0 dbm	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1889 GH 32.05 dBn
Type         Ref         Trc           M1         1           Spectrum           Ref Level         30.00 dBm           Att         40 dB           91Pk Max           20 dBm           10 dBm           -10 dBm	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sw M1[1	veep	Func		8.02 dBn 5.1889 GH 32.05 dBn
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 d8m           Att         40 d8           h1Pk Max         20 d8m           20 d8m         M1           0 d8m         M1	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 d8m           Att         40 d8           h1Pk Max         20 d8m           20 d8m         M1           0 d8m         M1	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         30.00 d8m           Att         40 d8           1PK Max         30.00 d8m           20 d8m         0           10 d8m         M1           20 d8m         0           30 d8m         0           30 d8m         0	856.1 MH	<ul> <li>2 -39.76 di</li> <li>■ RBW 1 MPQ</li> </ul>	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 d8m           Att         40 d8           M1         1           Spectrum         80 d8m           M1         40 d8           M1         40 d8           M1         10 d8m           M1         0 d8m           M1         0 d8m           M2         0 d8m           M3         0 d8m           M1         0 d8m           M2         0 d8m           M3         0 d8m	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           h1Pk Max         20 dBm           20 dBm         M1           10 dBm         M1           10 dBm         M1           20 dBm         M1           30 dBm         D1 -27 000 dB           -30 dBm         M1 -27 000 dB	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         30.00 d8m           Att         40 d8           91Pk Max         20 d8m           20 d8m         M1           10 d8m         M1           20 d8m         M1           20 d8m         M1           20 d8m         M1           30 d8m         M1           -20 d8m         M1           -30 d8m         M1           -30 d8m         M1           -30 d8m         M1           -30 d8m         M1	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		1	6.02 dBn 5.1890 GH
Type         Ref         Trc           M1         1           Spectrum         30.00 d8m           Att         40 d8           b1PK Max         20 d8m           20 d8m         M1           00 d8m         M1           00 d8m         M1           20 d8m         M1           30 d8m         M1           30 d8m         01 - 27 000 d8           30 d8m         01 - 27 000 d8           30 d8m         01 - 27 000 d8           50 d8m         50 d8m	856.1 MH	2 -39.76 di • RBW 1 MH2 • VBW 3 MH2	Mode Auto Sv Milit Milit	reep ] ]		Marsad	6.02 dBn 5.1890 GH





Spectrum				100
Ref Level 30.00 dBm	# RBW 1 MHz			14
	SWT 1 ms 🖷 VBW 3 MHz	Mode Auto Sweep		
1Pk Max				
		MILII		-09.05 dBr 705.90 MH
20 dBm			1	T Mar. Bid Mar
10 dBm				
to dem				
0 dBm				_
0.0425				
-10 dBm				_
20 dBm				
a long to the second				
-30 dBm 01 -27.000 dBr	P			
0.000			ME	
40 dBm	A. Man Mar Mr. Marine and	in the second state of the second state of the	hannest futor	Harrist marty
-50 dBm-	Contraction of the Aut		a transmission Aberba	Albert Clarks and
oo ana				
-60 dBm				
((())))))))				
Start 30.0 MHz		691 pts	0 U.	Stop 1.0 GHz
M1 1	X-value Y-va 785.9 MHz -38.	lue Function State	Function	(0
M1 1 Spectrum Ref Level 30.00 dBm	785.9 MHz -38.	es dam	Function (	[0
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB	785.9 MHz -38.	es dam	Function (	[0
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB	785.9 MHz -38.	Hg Hg Hz <b>Mode</b> Auto Sweep	Function (	(m
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB 91Pk Max	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function (	8.99 dbr 5.2620 GH
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           91Pi: Max         20 dBm	785.9 MHz -38.	Hg Hg Hz <b>Mode</b> Auto Sweep	Function (	8.99 dBi 5.2620 GH -32.54 dBi
M1 1 Spectrum Ref Level 30.00 dBm	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           #1Pk Max         20 dBm           10 dBm         M1           0 dBm	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum         30.00 dBm           Att         40 dB           91Pk Max         40 dB           20 dBm         M1           10 dBm         M1	785.9 MHz -38.	HI HI Mode Auto Sweep MI[1]	Function f	8.99 dar 5.2620 GH -32.54 dar
M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           #1Pk Max         20 dBm           10 dBm         M1           0 dBm	785.0 MHz -38. ● RBW 1 M SWT 102 ms ● VBW 3 M	All Mode Auto Sweep		8.99 dBi 5.2620 GH -32.54 dBi
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 dB           91Pi: Max         20 dbm           10 dbm         M1           0 dbm         M1           -10 dbm	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dbi 5.2020 GH -32.54 dbi 10.0600 GH
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 dB           91Pk Max         20 dbm           10 dbm         M1           0 dbm         M1           -10 dbm	785.0 MHz -38. ● RBW 1 M SWT 102 ms ● VBW 3 M	HI HI Mode Auto Sweep		8.99 dbi 5.2020 GH -32.54 dbi 10.0600 GH
M1         1           Spectrum         Ref Level 50.00 dBm           Att         40 dB           \$1PK Max         20 dBm           10 dBm         M1           0 dBm         M1           -10 dBm         D1 -27 000 dBr           -30 dBm         D1 -27 000 dBr	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dbi 5.2020 GH -32.54 dbi 10.0600 GH
M1         1           Spectrum         Ref Level \$0.00 dbm           Att         40 db           Att         40 db           10 dbm         M1           10 dbm         M1           10 dbm         M1           30 dbm         D1 - 27 000 dbr           -30 dbm         D1 - 27 000 dbr	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dbi 5.2020 GH -32.54 dbi 10.0600 GH
M1         1           Spectrum         Ref Level 30.00 d8m           Att         40 d8           1Pk Max         20 d8m           20 d8m         M1           0 d8m         M1           0 d8m         M1           -10 d8m         M1           -20 d8m         D1 - 27 000 d8r           -30 d8m         D1 - 27 000 d8r           -30 d8m         D1 - 27 000 d8r           -50 d8m	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dbi 5.2020 CH -32.54 dbi 18.0680 GH
M1         1           Spectrum         Spectrum           Ref Level 30.00 dBm         A0 dB           1/P: Max         40 dB           1/P: Max         10 dBm           10 dBm         M1           0 dBm         0           -10 dBm         0           -20 dBm         01 - 27 000 dBr           -30 dBm         01 - 27 000 dBr           -50 dBm         -60 dBm	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dbi 5.2020 CH -32.54 dbi 18.0680 GH
M1         1           Spectrum         Ref Level 50.00 dBm           Att         40 dB           \$1PK Max         20 dBm           20 dBm         M1           10 dBm         M1           -10 dBm         0           -30 dBm         D1           -20 dBm         0           -30 dBm         0           -30 dBm         0           -60 dBm         0           -60 dBm         0	785.9 MHz -38.	HI HI Mode Auto Sweep		8.99 dBa 5.2620 GF -32.54 dBa 18.0680 GF
M1         1           Spectrum         Ref Level 30.00 dbm           Att         40 db           91Pk Max         20 dbm           20 dbm         M1           0 dbm         M1           0 dbm         M1           0 dbm         M1           -10 dbm         -10 dbm           -20 dbm         -10 dbm           -30 dbm         -11 - 27 000 dbr           -50 dbm         -50 dbm           -60 dbm         -50 dbm           -60 dbm         -50 dbm	785.9 MHz -38.	All Mode Auto Sweep	Lawrah re	8.99 dBi 5.2620 GF -32.54 dBi 10.0600 GF
M1         1           Spectrum         Ref Level 30.00 d8m           Att         40 d8           91Pk Max         20 d8m           10 d8m         M1           0 d8m         0           -10 d8m         0           -20 d8m         0           -30 d8m         01           -30 d8m         01           -30 d8m         01           -30 d8m         01	785.9 MHz         -38.           • R5W 1 M         •           SWT 102 ms • VBW 3 M         •           • WBW 1 M         •           • WBW 1 M         •           • WBW 3 M         •	All Mode Auto Sweep		8.99 dbr 5.2620 GH -32.54 dbr 18.0680 GH





Spectrum			c40 5.19				(CCC)
Ref Level 30.00 de	law.	# RBW 1	MAX				[ A
Att 40		E WBW 3		Auto Sweep			
1Pk Max							
30	9	1	19	MI[1]			30.52 dBm
20 dBm						4	H11.70 MH2
10 dBm	-				_	-	-
1000							
) dBm	1						
10 d8m	4						
10 0860							
20 dBm							
30 dBm 01 -27.00	u demi-				-		L. WYCC
20000496							Max
40 dBm	your merch	Hr. Hahren	malitan	and the stand	and should	ratherman	mitturgs
SO dBm			14007-0-0404-001764	A.P. ADVING TANK MARK			- 10420-04-011
SU (IBM-	1						
60 dBm	-				_		
0-00000							
start 30.0 MHz	1 0		691 pt	<u> </u>		01.	p 1.0 GHz
larker			hat he			are	p 1.0 GHz
M1 1	X-value 941.		-38.52 dBm	Function	Fu	action Result	-
	941.7		-38.52 dBm	Function	Fu	iction Result	
M1 1 Spectrum Ref Level 30.00 di Att 40	941.' 8m	7 MHz	-38.52 dBm	Function	Fu	action Result	(00)
M1 1 Spectrum Ref Level 30.00 di	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep	Fu		
M1 1 Spectrum Ref Level 30.00 di Att 40	941.' 8m	e RBW	-38.52 dBm		Fu		(m) 
M1 1 Spectrum Ref Level 30.00 di Att 40	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep	Fu	L.	30.06 dBm 5.4110 GHz 5.38 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fur	L.	30.06 dBm 5.4110 GHa 5.30 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHa 5.30 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHa 5.30 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHa 5.30 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHz 5.38 dBm
M1         1           Spectrum	941.' 8m	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHz 5.38 dBm
M1         1           Spectrum	941. 8m dB SWT 102	e RBW	-38.52 dBm	ide Auto Sweep M2[1]	Fu	L.	30.06 dBm 5.4110 GHz 5.38 dBm
M1         1           Spectrum	941. 8m dB SWT 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.410 GHz 5.38 dBm 5.2250 GHz
M1         1           Spectrum         Ref Level 30.00 di Att         40           Att         40         10           Att         40         10           20 d8m         10         40           10 d8m         10         40           20 d8m         10         40           30 d8m         10         40	941. 8m dB SWT 102	e RBW	-38.52 dBm	M2[1] M2[1]	houndary		0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           1Pk Max         40           20 dbm         10           10 dBm         10           20 dbm         10           30 dBm         01           30 dBm         01	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum         Ref Level 30.00 dl           Att         40           NPK Max         20 dbm           20 dbm         40           10 dbm         40           -10 dbm         40           -20 dbm         40	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           BTPk Max         80           20 d8m         90           10 d8m         10           20 d8m         10           30 d8m         10           30 d8m         01           20 d8m         01           20 d8m         01           30 d8m         01           30 d8m         01           30 d8m         01           30 d8m         01	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1]			0.06 dBm 3.410 GHz 5.38 dBm 5.2250 GHz
M1         1           Spectrum         Ref Level 30.00 di Att           Att         40           1PR Max         10           20 d8m         10           10 d8m         10           20 d8m         10           30 d8m         10           30 d8m         10           44 d8m         10           60 d8m         10	941. 8m dB swr 102	e RBW	-38.52 dBm	M2[1] M2[1] M1[1]		ai 	0.06 dBm 3.4110 GH 5.7250 GH
M1         1           Spectrum         Ref Level 30.00 di Att 40           Att 40         Alt 40           Alt 40         Alt 40           A	941. 8m 0B SWT 102 00 08m	e RBW	-38.52 dBm	M2[1] M2[1] M1[1]	hourders	J. J	(00) 30.06 dBm 5.4110 GHz 5.250 GHz -24000 Pm
M1         1           Spectrum         Ref Level 30.00 di Att           Att         40           Att <td< td=""><td>941. 8m db SWT 102 00 d8m </td><td>* RBW ms * VBW</td><td>-38.52 dBm</td><td>M2[1] M2[1] M1[1]</td><td>hourders</td><td>ai </td><td>26.5 GHz</td></td<>	941. 8m db SWT 102 00 d8m 	* RBW ms * VBW	-38.52 dBm	M2[1] M2[1] M1[1]	hourders	ai 	26.5 GHz





## Report No.: AAEMT/EMC/220328-02-04

Concentration 1					0
Spectrum					1
Att 40 dB	SWT 1 ms = V	BW 1 MHz	Auto Sweep		
1Pk Max	3991 1 012 - 4	Die Ginna Milling	NDIO SWEED		
	10	- P - P	511[1]		-40.00 dB
0.40			No.		745.20 MB
20 d8m					
10 d8m					
) dBm					
.// *225					
10 dBm		-	-		
20 dBm-					
01 -27.000 de	B(m)				
So mente				1912	
40 dBm			L III L I	I. h.	de du cale da cana da
40 dBm	White Marine was	warding and a second	tanelisti anna May 1984	amadrae 14	and a house of the
50 dBm			-		
10000					
60 dBm					
000000000000000000000000000000000000000		1000000000			000000000000000000000000000000000000000
itart 30.0 MHz		691 pts		21 - HA	Stop 1.0 GH
Type Ref Trc	X-value 745.2 MHz	Y-value -40.00 dBm	Function	Functi	on Result
Type Ref Trc M1 1 Spectrum Ref Level 30.00 dBm	745.2 MHz	-40.00.d8m		Functi	1000000
Spectrum	745.2 MHz	-40.00.d8m	Function	Functi	6
Type         Ref         Trc           M1         1         1           Spectrum	745.2 MHz	-40.00.d8m		Functi	6.92 dB
Type         Ref         Trc           M1         1         1           Spectrum	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6,92 d8 5,2250 G
Type         Ref         Trc           M1         1         1           Spectrum	745.2 MHz	-40.00.d8m	de Auto Sweep	Functi	6.92 dB
Type         Ref         Trc           M1         1         1           Spectrum	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level 30.00 dbm         Att 40 db           Att         40 db         1           20 dbm         M1         1           10 dbm         M1         1	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type         Ref         Trc           M1         1         1           Spectrum         Ref Level 30.00 dbm         Att 40 db           Att         40 db         1           20 dbm         M1         1           10 dbm         M1         1	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type         Ref         Trc           M1         1           Spectrum         1           Ref Level 30.00 dBm           Att         40 dB           1PK Max           20 dBm           .0 dBm           .0 dBm	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type Ref Trc 1 M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB 10 dBm 10 dBm	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type Ref Trc 1 M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB 10 dBm 10 dBm	745.2 MHz	-40.00.d8m	de Auto Sweep MI[1]	Functi	6.92 dB 5.2230 GF -31.06 dB
Type         Ref         Trc           M1         1           Spectrum         1           Ref Level 30.00 dBm           Att         40 dB           1PK Max           20 dBm           10 dBm           10 dBm           20 dBm	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5.2230 GF -31.06 dB
Type         Ref         Trc           M1         1           Spectrum	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level \$0.00 dBm           Att         40 dB           1PK Max         40 dB           1D dBm         0 dBm           10 dBm         M1           10 dBm         0 dBm           20 dBm         0 dBm           30 dBm         D1 -27 000 dB	745.2 MHz 8WT 102 ms	-40.00.d8m	Mi[I] Mi[I] Mi[I]		6.92 dB 5.2230 G -33.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1PK Max         80 dBm           20 dBm         M1           10 dBm         M1           20 dBm         M1           30 dBm         D1 -27 000 dB           30 dBm         M1 - 27 000 dB	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1PK Max         80 dBm           20 dBm         M1           10 dBm         M1           20 dBm         M1           30 dBm         D1 -27 000 dB           30 dBm         M1 - 27 000 dB	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         1           Ref Level 30.00 dBm         40 dB           Att         40 dB           1PK Max         20 dBm           20 dBm         41           30 dBm         1           30 dBm         0           30 dBm         1	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1PK Max         40 dB           1PK Max         10 dBm           10 dBm         M1           20 dBm         10 dBm           30 dBm         D1 - 27.008 dB           30 dBm         50 dBm	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           1PK Max         1           20 dBm         1           10 dBm         1           30 dBm         1           40 dBm         1           30 dBm         1           40 dBm         1           40 dBm         1           40 dBm         1           40 dBm         1           50 dBm         1           60 dBm         1	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2250 G -31.05 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         20.00 dBm           Att         40 dB           1PK Max         20 dBm           20 dBm         01           10 dBm         01           20 dBm         01           40 dBm         01           20 dBm         01           40 dBm         01           60 dBm         01           60 dBm         01	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]		6.92 dB 5,2230 G -31.06 dB 15,4110 G
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           siPk Max         80 dBm           20 dBm         M1           0 dBm         M1           20 dBm         M1           30 dBm         D1 27 000 dB           30 dBm         M1 40 dB           50 dBm         M1 40 dB           60 dBm         M1 40 dB	745.2 MHz 8WT 102 ms	-40.00 dBm	Mi[I] Mi[I] Mi[I]	molenau	6.92 dB 5,2230 G -31.06 dB 15,4110 G 
Type         Ref         Trc           M1         1           Spectrum         Ref Level 30.00 dBm           Att         40 dB           att         41 dB	745.2 MHz 8WT 102 ms	-40.00 dBm	In Auto Sweep MI[I] M2[3]	molenau	6.92 dB 5,2250 G -31.05 dB 15,4110 G

# ac40 5.230GHz





## Report No.: AAEMT/EMC/220328-02-04

Spectrum						(CC)
Ref Level 30.00		# RBW 1 MH		minere		1.44
1.100	OdB SWT 1	ms 🖶 VBW 3 MH;	z Mode Auto	Sweep		
1Pk Max		- E				
1				M1(1)		-39.47 dBm 941.70 MHz
20 d8m				1 1		. STILLIU MUL
(0 d8m						
dBm				-		
and the second s						
10 dBm-	-		-			
20 dBm-	-					
01 -27	000 dBm			-		
to dem						100125
40 dBm	-		105	A LAND AND AND AND AND AND AND AND AND AND		
ukun Happelikah naa	and below here	por en	inclusive and	- ANT	canner here here	and the stand of the stand
m8b 00	-		-			
12220				-		
60 dBm						
oogeneren			10205 02-3			000000000000000000000000000000000000000
tert 30.0 MHz erker			691 pts			Stop 1.0 GHz
M1 1 Spectrum	94	L7 MHz -39	.47 d8m	nction	Function R	ſœ
M1 1 Spectrum Ref Lavel 30.00	94. d&m	● RBW 1 M	.47 dBm		Function R	ſœ
M1 1 Spectrum Ref Level 30.00 Att 4	94. d&m	L7 MHz -39	.47 dBm	nction	Function R	ſœ
Spectrum Ref Level .30.00	94. d&m	● RBW 1 M	.47 dBm		Function R	6.59 dBn
M1 1 Spectrum Ref Level 30.00 Att 4 Att 4	94. d&m	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	С. 3.59 dBm 5.2620 GH
M1 1 Spectrum 1 Ref Level 30.00 Att 4 1Pk Max	94. d&m	● RBW 1 M	.47 dBm	uta Sweep	Function R	0.59 dBn 5.2620 GH -00.33 dBn
M1 1 Spectrum Ref Level 30.00 Att 4 11Pk Max 10 d8m 2 d8m	94. d&m	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBn 5.2620 GH -00.33 dBn
M1 1 Spectrum Ref Level 30.00 Att 4 11Fk Max 10 d8m 0 d8m	94) d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBn 5.2620 GH -00.33 dBn
M1 1 Spectrum Ref Level 30.00 Att 4 11Fk Max 10 d8m 0 d8m	94) d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBm 5.2620 GH -00.33 dBm
M1         1           Spectrum	94) d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBm 5.2620 GH -00.33 dBm
M1         1           Spectrum         Ref Level 30.00           Att         4           1PK Max         4           0 d8m         1           0 d8m         1           1 d8m         1           10 d8m         1	94) d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBm 5.2620 GH -00.33 dBm
M1         1           Spectrum	941 d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	.47 dBm	uta Sweep M1[1]	Function R	0.59 dBm 5.2620 GH -00.33 dBm
M1         1           Spectrum         Ref Level 30.00           Att         4           IPK Max         4           ID dBm         1	94) d8m 0 d8 <b>\$WT</b> 10	● RBW 1 M	A7 dam	M1[1]		3.59 dBm 5.2620 GH -20.33 dBm 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           IPK Max         4           0 d8m         0           0 d8m         0           10 d8m         0           20 d8m         0           30 d8m         01 -227	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	uta Sweep M1[1]		0.59 dBm 5.2620 GH -00.33 dBm
M1         1           Spectrum         Ref Level 30.00           Att         4           IPK Max         4           ID d8m         1	941 d8m 0 d8 <b>SWT</b> 10	● RBW 1 M	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           ID dBm         1	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           1PK Max         4           1D dBm         0           10 dBm         0           20 dBm         0           30 dBm         01 -27	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           ID dBm         1	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Raf Level 30.00           Att         4           ID d8m         1	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           Att         4           1PK Max         4           10 dBm         0           10 dBm         0           20 dBm         0           30 dBm         01 - 27           40 mm         01 - 27           50 dBm         01 - 80           50 dBm         01 - 80           60 dBm         01 - 80           60 dBm         01 - 80           60 dBm         01 - 80	941 d8m 0 d8 <b>SWT</b> 10	RBW 1 h     D2 ms      VBW 3 h	A7 dam	M1[1]		9.59 dBn 5.2620 GH -00.33 dBn 15.3740 GH
M1         1           Spectrum         Ref Level 30.00           Att         4           Att         4           Att         4           IPK Max         4           ID dBm         1	94)	RISW 1 h     RISW 1 h     RISW 1 h     RISW 2 h	691 pts	110 Sweep M1[1] M2[1] M1000-M000	And May and Property and	B.59 dBm 5.2620 GH -20.33 dBm 15.3740 GH 
M1         1           Spectrum         Ref Level 30.00           Att         4           Att         4 <td< td=""><td>941</td><td>RBW 1 h     SBW 1 h     SBW 1 h     SBW 1 h     SBW 3 h</td><td>691 pts</td><td>M1[1]</td><td></td><td>B.59 dBm 5.2620 GH -00.33 dBm 15.3740 GH</td></td<>	941	RBW 1 h     SBW 1 h     SBW 1 h     SBW 1 h     SBW 3 h	691 pts	M1[1]		B.59 dBm 5.2620 GH -00.33 dBm 15.3740 GH

# <u>ac80 5.210GHz</u>





Spectrum								1
Ref Level 30.00	dām	# RBV	N 1 MHz		22.1			1.x
	10 dB SWT	i ms 📾 VBV	W 3 MHz Mo	de Auto Sw	eep			
1Pk Max								100 AN 400
				911	[1]			40.00 dBr
20 dBm		-			- 1			1
10 dBm								
LO GISHI					1			
) dBm		_						
54. · · · · · · ·								
10 dBm	_							
20 dBm								
1000 C	- 1.00							
-30 dBm	000 dBm	1						-
								M
40 dBm	Line Apra Jans	M WAR WEL	WAMPY AND	madendy	MUNIN	they work in the	under the	APROVALA
-SO dBm-								
210 3 M 40 - C								
-60 dBm	_	-					-	-
Start 30.0 MHz	100		691	pts			Ste	op 1.0 GHz
Type Ref Trc M1 1		ue 83.9 MHz	Y-value -60.03 dB	Function	on	Fun	ction Resul	
Type Ref Tro M1 1 Spectrum Ref Level 30.00	1] 98 ) dām	83.9 MHz	-40.03 dB	m		Fun	ction Resul	
Type Ref Tre M1 1 Spectrum Ref Level 30.00 Att	1] 98 ) dām	83.9 MHz	-40.03 dB			Fun	ction Resul	
Type Ref Tro M1 1 Spectrum Ref Level 30.00 Att	1] 98 ) dām	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep	Fun		(a
Type Ref Tree M1 1 Spectrum Ref Level 30.00 Att \$1Pk View	1] 98 ) dām	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep [1]	Fun		-33.10 d6r 5.2970 GH
Type Ref Trec M1 Spectrum Ref Level 30.00 Att \$1Pk View	0 d8m 40 d8 <b>\$WT</b> : M1	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep [1]	Fun	1	-33,10 dBr 5,2970 GH 11.95 dBr
M1 1 Spectrum Ref Level 30.00	1 dBm 40 dB <b>\$1WT</b> 1	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep [1]	Fun	1	-33,10 dBr 5,2970 GH 11.95 dBr
Type Rof Trec M1 1 Spectrum Ref Level 30.00 Att 10 dBm 10 dBm	0 d8m 40 d8 <b>\$WT</b> : M1	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep [1]	Fun	1	-33,10 dBr 5,2970 GH 11.95 dBr
Type Ref Trc M1 1 Spectrum Ref Level 30.00 Att 20 dBm	0 d8m 40 d8 <b>\$WT</b> : M1	83.9 MHz	-40.03 dB	m Mode Auto f	Sweep [1]	Fun	1	-33,10 dBn 5,2970 GH 11,95,dBn 5,7420 GH
Type Rof Troc M1 1 Spectrum Ref Level 30.00 Att 10 dBm 10 dBm	0 dBm 40 dB <b>\$WT</b> : M1	83.9 MHz # R	-40.03 dB	m Mode Auto f	Sweep [1]	Fan	1	-33,10 dBr 5,2970 GH 11.95 dBr
Type         Ref         Trec           M1         1         1           Spectrum         Ref Level 30.00         40.00           Att         10.00         40.00           10.00m         0.00m         40.00           -10.00m         40.00         40.00	0 dBm 40 dB <b>\$WT</b> : M1	83.9 MHz # R	-40.03 dB	m Mode Auto f	Sweep [1]	Fan	1	-33,10 dBr 5,2970 GH 11.95 dBr
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         30.00           Att         31.00         30.00           Att         31.00         30.00           Att         30.00         30.00           10 dBm         0 dBm         -10 dBm           -10 dBm         -20 dBm         -20 dBm	0 dām 40 dā <b>SWT</b> ;	83.9 MHz # R	-40.03 dB	m Mode Auto f	Sweep [1]	Fan	1	-33,10 dBr 5,2970 GH 11.95 dBr
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         30.00           Att         31.00         30.00           Att         31.00         30.00           Att         30.00         30.00           10 dBm         0 dBm         -10 dBm           -10 dBm         -20 dBm         -20 dBm	0 dBm 40 dB <b>\$WT</b> : M1	83.9 MHz # R	-40.03 dB	Mode Auto 5 M2 M1	Sweep [1]		1	-33,10 dBr 5,2970 GH 11.95 dBr
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         Att           Att         10         BLPK View           20         dBm         10           10         dBm         10           -10         dBm         10           -30         dBm         11	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M2( M12)	Sweep [1]		1	-33,10 dBr 5,2970 GH 11.95 dBr
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         Att           Spectrum         30.00         Att	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M2 M1	Sweep [1]		3	-33.10 dBn 5.2970 GH 11.95 dBn 5.7420 GH
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         Att           Spectrum         Ref Level 30.00         Att           Stream         30.00         Att           Spectrum         Ref Level 30.00         Att           Spectrum         30.00         Att	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M2 M1	Sweep [1]		3	-33.10 d8r 5.2970 GH 11.95.d8r 5.7420 GH
Type         Raf         Trec.           M1         1         1           Spectrum         Ref Level 30.00 Att         30.00 Att           Ref Level 30.00 Att         30.00 Att           StPK View         20 dBm         10 dBm           10 dBm         0 dBm         10 dBm           30 dBm         01 - 20 att         30 dBm	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M2 M1	Sweep [1]		3	-33.10 d8r 5.2970 GH 11.95.d8r 5.7420 GH
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         30.00           Att         1         1           1PK View         1         1           20 dBm         0         0           10 dBm         0         0           30 dBm         01         20           30 dBm         01         20           30 dBm         01         20           30 dBm         01         20	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M2 M1	Sweep [1]		3	-33.10 dBr 5.2970 GH 11.95.dBr 5.7420 GH
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         30.00           Att         1         1           10 dBm         10 dBm         10 dBm           10 dBm         20 dBm         11 dBm           30 dBm         D1 - 20         30 dBm           30 dBm         60 dBm         60 dBm	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M12 M14	Sweep [1]		J-way	-33.10 dBr 5,2970 GH 11.95 dBr 5,7420 GH
Type         Ref         Trec.           M1         1           Spectrum         Ref Level 30.00           Att         30.00 </td <td>) diam 40 dB \$WT ; M1</td> <td>● R (02 ms ● V</td> <td>-40.03 dB</td> <td>Mode Auto 5 M12 M14</td> <td>Sweep [1]</td> <td></td> <td>J-way</td> <td>-33.10 d8r 5.2970 GH 11.95.d8r 5.7420 GH</td>	) diam 40 dB \$WT ; M1	● R (02 ms ● V	-40.03 dB	Mode Auto 5 M12 M14	Sweep [1]		J-way	-33.10 d8r 5.2970 GH 11.95.d8r 5.7420 GH
Type         Ref         Trec.           M1         1         1           Spectrum         Ref Level 30.00         Att           Ref Level 30.00         Att         10.00           10 dBm         0         Bm           10 dBm         30.00         Mm           30 dBm         D1 - 20           30 dBm         50.00           60 dBm         60.00	1 diam 1 diam 40 dB SWT : M1 1 diam 1000 dBm 1000 dBm	83.9 MHz 802 ms = V	-40.03 dB	Mode Auto 5 M12 M14	Sweep [1] [1]	winny	J-way	-33.10 dBr 5.2970 GH 11.95 dBr 5.7420 GH





## Report No.: AAEMT/EMC/220328-02-04

				<u>a20 5.825</u>				1
Spectrum			- 00					<u>v</u>
Ref Level			T 1 ms = VB	W 1 MH2 W 3 MHz Mode	Auto Sweep			
1Pk Max	175		1 - 115 - 10	re store produ	Hard Darah			
			15	- P.	MI[I]		5	39.56 dBm
20 d8m								98.60 MHz
20 Ubili					M2[1]			41.93 dBm 00000 GHz
10.d8m		_			i -	1		unnin eus
2280012								
0 dBm			-			-		
-10 dBm		-	-		-	-		
-20 dBm		-			-			
-30 dBm - D	1 27/	msb 000	-					
-40 dBm								1-10-10kg
rasidering	LANA	memory	himulthyllines	allense have been	have been and	- allow and the full	A A A A A A A A A A A A A A A A A A A	atenting the factor of the second sec
-50 dBm	<u>.</u>	4 19				-		-
		1						
-60 dBm			_					
Start 30.0 M	Hz	1.1	124	691 pts	101	- W - W	Sto	p 1.0 GHz
tarker Type   Ref	Time		value	Y-value	Function	Euro	tion Result	
MI	1		798.6 MHz	-39.56 dBm	Function	Fun	ction ressue	
M2	1		1.0 GHz	-41.93 dBm				
			1.0 GHz					au
Spectrum Ref Level	30.00			-61,93 dBm				(ats ⊽
Spectrum Ref Level	30.00			-61,93 dBm	de Auto Sweep			
Spectrum Ref Level	30.00			-61,93 dBm	Color and the second of the			(@##
Spectrum Ref Level • Att • IPk View	30.00			-61,93 dBm	M1[1]			9.98 dBm 5.8160 GHz
Spectrum Ref Level • Att • IPk View	30.00	ode sw		-61,93 dBm	Color and the second of the		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum Ref Level • Att • 1Pk View 20 d8m	30.00			-61,93 dBm	M1[1]		5	9.98 dBm 5.8160 GHz
Spectrum Ref Level	30.00	ode sw		-61,93 dBm	M1[1]		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum Ref Level Att PIPk View 20 d8m 10 d8m	30.00	ode sw		-61,93 dBm	M1[1]		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum Ref Level Att PIPk View 20 d8m 10 d8m	30.00	ode sw		-61,93 dBm	M1[1]		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum Ref Level Att BIPk View 20 dBm 10 dBm 0 dBm	30.00	ode sw		-61,93 dBm	M1[1]		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum Ref Level + Att B1Pk View 20 dBm 10 dBm -10 dBm -20 dBm	30.00	MI		-61,93 dBm	MI[1] M2[1]		5	9.98 dBm 5.8160 GHz 33.54 dBm
Spectrum           Ref Level           Att           B1Pk View           20 dBm           10 dBm           10 dBm           -10 dBm           -20 dBm	90.00 40	M11.	T 102 ms	-41,93 dBm	M1[1] M2[1]	Morah	1	9.98 dBm 5.8160 GHz 39.54 dDm 5.2970 GHz
Spectrum Ref Level Att DIPK View 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm D	30.00	M1.	T 102 ms	-61,93 dBm	M1[1] M2[1]	Marahala	1	9.98 dBm 5.8160 GHz 39.54 dDm 5.2970 GHz
Spectrum           Ref Level           Att           1Pk view           20 d8m           10 d8m           -10 d8m           -20 d8m           -30 d8m	90.00 40	M11.	T 102 ms	-41,93 dBm	M1[1] M2[1]	Maraha	1	9.98 dBm 5.8160 GHz 39.54 dDm 5.2970 GHz
Spectrum Ref Level	90.00 40	M11.	T 102 ms	-41,93 dBm	M1[1] M2[1]	Marahyu	1	9.98 dBm 5.8160 GHz 39.54 dDm 5.2970 GHz
Spectrum           Ref Level           Att           1Pk view           20 d8m           10 d8m           0 d8m           -10 d8m           -30 d8m           -30 d8m           -30 d8m	30.03 40 1 -27)	M11.	T 102 ms	-41,93 dBm	M1[1] M2[1]	marata	Madaingeog	9.98 dBm 5.8160 GHz 39.54 dDm 5.2970 GHz
Spectrum Ref Level Att 10 d8m 10 d8m 10 d8m -10 d8m -20 d8m -20 d8m -30 d8m	1 -27)		T 102 ms	-41,93 dBm	M1[1] M2[1]		- 11 Medningtof Stop	0.98 dBm 5.8160 GHz 33.54 dBm 32.970 GHz ແຜດຖະແນດ 28.5 GHz
Spectrum Ref Level - Att 91Pk View 20 d8m 10 d8m -10 d8m -20 d8m -20 d8m -30 d8m -30 d8m -50 d8m -50 d8m -50 d8m -50 d8m -50 d8m	1 -27)		T 102 ms	-41,93 dBm	M1[1] M2[1]		Madaingeog	0.98 dBm 5.8160 GHz 33.54 dBm 32.970 GHz ແຜດຖະແນດ 28.5 GHz

# <u>a20 5.825 GHz</u>





Spectrum						1000 1000
Ref Level 30	).00 dBm	= RBW 11	442			1.*
Att	40 dB SWT 1	ms	Hz Mode	luto Sweep		
1Pk Max						
20				MI[1]		-39.67 dBm 583.80 MHz
20 d8m-				- 1 - 1		sina sina mina
50104-1-1						
0 c8m	_					
dBm					11	
10 dBm	_					_
20 dBm						
10 dBm D1	-27.000 dBm					
021/21/2-02-				601		
40 dBm	to much should be		and the second s	Aprenie taka	Ale tart that	
	Second second three	Constraint and	harroward	Party & A Married Ba		TORAL TY ON & POUND
50 dBm						
60 dBm				-		
2-25-07						
tart 30.0 MH	<u> </u>		691 pts	1 3		Stop 1.0 GHz
M1 Ref			valua 39.67 dam	Function	Function R	2000
M1 Spectrum Ref Level 3	1 58	3.8 MHz ···································	39.67 d8m		Function R	2000 N
M1 Spectrum Ref Level 3 Att	1 58	3.B MHz	39.67 d8m	Auto Sweep	Function R	2000 N
Spectrum Ref Level 3	1 58	3.8 MHz ···································	39.67 d8m	a Auto Sweep	Function R	[am
M1 Spectrum Ref Level 30 Att 1Pk View	1 58	3.8 MHz ···································	39.67 d8m	Auto Sweep MI[1]	Function R	9.58 dBm 5.7420 GH
M1 Spectrum Ref Level 30 Att 1Pk View	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	a Auto Sweep	Function R	9.58 dBn 5,7420 GH -33.48 dBn
M1 Spectrum Ref Level 30 Att 1Pk View	1 58	3.8 MHz ···································	39.67 d8m	Auto Sweep MI[1]	Function R	9.58 dBn 5,7420 GH -33.48 dBn
M1 Spectrum Ref Level 30 Att 11Pk View 20 dBm	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	Auto Sweep MI[1]	Function R	9.58 dBr 5.7420 GH -33.48 dBr
M1 Spectrum Ref Level 30 Att FIPK View 20 dBm 10 dBm	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	Auto Sweep MI[1]	Function R	9.58 dBr 5.7420 GH -33.48 dBr
M1 Spectrum Ref Level 3 Att 1Pk View 20 dBm 0 dBm	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	a Auto Sweep MI[1]	Function R	9.58 dBr 5.7420 GH -33.48 dBr
M1 Spectrum Ref Lavel 3: Att 1PK View 20 dBm 10 dBm 10 dBm	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	a Auto Sweep MI[1]	Function R	9.58 dBr 5.7420 GH -33.48 dBr
M1 Spectrum Ref Lavel 3: Att 1PK View 20 dBm 10 dBm 10 dBm	1 58 0.00 d8m 40 d8 \$\$WT 1	3.8 MHz ···································	39.67 d8m	a Auto Sweep MI[1]	Function R	9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att 11Pk View 20 dBm 10 dBm 10 dBm 20 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att 11Pk View 20 dBm 10 dBm 10 dBm 20 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm D1	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW	39.67 dBm	a Auto Sweep MI[1]		9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att 1PK View 20 dBm 0 dBm 10 dBm 20 dBm 30 dBm 20 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW Q2 ms = VBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GHs -33.48 dBn 16.1120 GHs
M1 Spectrum Ref Level 36 Att 11PK View 20 dBm 20 dBm 20 dBm 20 dBm 30 dBm 20 dBm 20 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW Q2 ms = VBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GHs -33.48 dBn 16.1120 GHs
M1 Spectrum Ref Level 30 Att 1PK View 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 30 dBm 30 dBm 30 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW Q2 ms = VBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att IFK View 0 dBm 0 dBm 20 dBm 20 dBm 20 dBm 20 dBm 36 dBm 20 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW Q2 ms = VBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH
M1 Spectrum Ref Level 36 Att 1Pk View 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 30 dBm 50 dBm 50 dBm 60 dBm	1. 58 0.00 d8m 40 d8 \$WT 1 M1 M1 -27 000 68m	■ RBW Q2 ms = VBW	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 d8n 5.7420 GH: -33.48 d8n 16.1120 GH:
M1 Spectrum Ref Level 3 Att 1PK View 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 50 dBm 50 dBm 50 dBm 60 dBm	1. 58 3.00 d8m 40 d8 SWT 1 MI MI -27.000 d8m -27.000 d8m -27.000 d8m	<u>ی بالی بیالی بالی الم</u>	39.67 dBm	Auto Sweep MI[I] M2[1]	hunny me	9.58 dBn 5.7420 GH -33.48 dBn 16.1120 GH 
M1 Spectrum Ref Lavel 3: Att 10 dBm 10 dBm 10 dBm 20 dBm 20 dBm	1 58 1.00 d8m 40 d8 SWT 1 http://www.swt.eshu	<u>ی بالی بیالی بالی الم</u>	39.67 dBm	* Auto Sweep MI[1] M2[1]		9.58 dBn 5.7420 GH 33.48 dBn 16.1120 GH 4,000 GH 4,000 GH 500 26.5 GHz





Spectrum				<u>n20 5.8</u>					1
Ref Level	30.00 dBm	an de car	# RBY	N 1 MHz					1-x
Att	40 dB	SWT 1	ms e VBI	W 3 MHz Mo	de Auto Sw	eep			
1Pk Max									
				1	MI	[1]			38.23 dBn 147.70 MHz
20 dBm			-	-	- 1		1		
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U CISEN									
) dBm				-					
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10 dBm			-	-					-
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ou man									
60 dBm	-		-	-	-				-
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larker									
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Type Ref M1	Trec	<b>X-valu</b> 847	a .7 MHz	Y-value -38.23 dB	Functi	on	Func	tion Result	
Type Ref M1 Spectrum Ref Level Att		847	.7 MHz	-38.23 d8 8W 1 MHz			Func	tion Result	
Type Ref M1 Spectrum Ref Level Att	1 30.00 d8m	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep	Func	tion Resul	[œ
Type Ref M1 Spectrum Ref Lavel Att 1Pk View	1 30.00 d8m	847	.7 MHz	-38.23 d8	m	Sweep	Func		9:30 dBir 5.8160 GH2
Type Ref M1 Spectrum Ref Level Att 1Pk View	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att B1Pk View 20 d8m	1 30.00 d8m	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		9.30 dBm 5.8160 GHz
Type Ref M1 Spectrum Ref Level Att \$1Pk View 20 d8m	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 1PR view 20 d8m 10 d8m	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 10 d8m 0 d8m	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 10 d8m 0 d8m	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 1Pk View 20 d8m 10 d8m 10 d8m	1 30.00 dBm 40 dB	847	.7 MHz	-38.23 d8	m Mode Auto	Sweep [1]	Func		0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m -10 d8m -20 d8m	1 30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m 10 d8m 20 d8m 30 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m -10 d8m -20 d8m -20 d8m -30 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 d8	Mode Auto 1 M12 M2	Sweep [1]		3	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	0.30 dBm 5.8160 GH3 32.70 dBm
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m 20 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att 1Pk View 20 d8m 10 d8m 10 d8m 20 d8m 20 d8m 20 d8m 20 d8m 30 d8m 30 d8m	30.00 dBm 40 dB	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M12 M2	Sweep [1]		3	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att 10 d8m 10 d8m 10 d8m 20 d8m 20 d8m 50 d8m 50 d8m 60 d8m	1 30.00 dBm 40 dB M1	847 SWT 10	-7 MH2	-38.23 dB	Mode Auto 1 M1 M1 M1	Sweep [1]		Junius	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH
Type Ref M1 Spectrum Ref Level Att EIPk View 20 dBm 10 dBm 20 dBm 30 dBm 30 dBm 60 dBm 60 dBm 60 dBm	1 30.00 dBm 40 dB 101-27.000	847 SWT 10	.7 MH2	-38.23 dB	Mode Auto 5 511 512 512 512 512 512 512 512 512 51	Sweep (1) (1)		1 /www.uks Stop	9.30 dBm 5.8100 GH 32.70 dBm 5.1120 GH 0.1120 GH 0.1120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH 0.120 GH
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Spectrum	<u>n40 5.755</u>		000
Ref Level 25.00 d8m	· RBW 1 MHz		4
		Auto Sweep	
1Pk View		un company and co	
20 dBm		M1(1)	-39.76 dBm
CALCER TO A		1 9	996,50 MHz
10 d8m	2 2 2		
) dBm	· · · · · · · · · · · · · · · · · · ·		
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60 d8m			
search and a searc			
70 dBm			
tert 30.0 MHz	691 pts		Stop 1.0 GHz
Ref Level 25.00 dBm Att 40 dB SWT	<ul> <li>RBW 1 MHz</li> <li>102 ms = VBW 3 MHz</li> <li>Mon</li> </ul>	de Auto Sweep	
IPK View			
20 d6m		M2[1]	-30.70 dbm 18.1410 GHz
MI		M1[1]	7.49 dBm
10 d8m		1	5,7420 GH2
) dBm			
222223			
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20 dBm 01 -27.000 dBm		moundaria	A construction of the second
20 dBm 01 -27 000 dBm	all man war	and the second	in from the second
20 dBm 01 -27.000 dBm	ally and the and	warminentreem	in from a brown fall is san to
20 dBm 01 -27.000 dBm	all warmen and the and the second	worthnews	in formation participants
20 dBm 30 dBm 30 dBm 49 dEm <sup>1</sup> Law All Mark (1990) 50 dBm	allower de channe al	wortherendered	in formation fall, can be
-30 dBm	all and a charmonic of	were and the second	in formalismed all sounds
20 dBm 50 dBm D1 - 27 000 dBm 49 dBm Unit and	all and a characterist	enerer and the section of the sectio	in formation followers
20 dBm 30 dBm 30 dBm 40 dBm 40 dBm 70 dBm 80 dBm 80 dBm 80 dBm 80 dBm	alougenered out a new contract of the second s		Btop 26.5 GHz
20 dBm D1 -27.000 dBm 30 dBm D1 -27.000 dBm 49 dBm 40 dBm 50 dBm 50 dBm 70 dBm 38 art 1.0 GHz larker	691 pts		Btop 26.5 GHz
20 dBm 30 dBm 30 dBm 49 dBm 50 dBm 50 dBm 50 dBm 70 dBm	691 pts		





Spectrum				6
Ref Level 25.00		RBW 1 MH2	e magazza	10
Att 40	odB <b>sw⊺</b> 1ms ≋	VBW 3 MHz Mod	le Auto Sweep	
1	3		M1[1]	-36:41 db
20 dBm				34.90 M
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) dBm				
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SO dBm	Contraction of the design	who must bridd and	A CONTRACTOR OF	en ura personatione a da mass
6.852/842				
60 d8m	-			
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Start 30.0 MHz	1	691 p	a 1 1	Stop 1.0 GH
Spectrum				6
Ref Level 25.00		■ RBW 1 MHg = VBW 3 MHg MHg	inde Auto Sween	[0
			ode Auto Sweep	[
Ref Level 25.00			ode Auto Sweep M2[1]	-30,54 de
Ref Level 25.00 Att 40 1Pk View 20 d6m	0 dB <b>SWT</b> 102 ms			-30,5+ de 15,448 G 6,84 de
Ref Level 25.00 Att 40 1Pk View			M2[1]	-30,54 dt 15,4408 G
Ref Level 25.00 Att 40 1Pk View 20 d6m	0 dB <b>SWT</b> 102 ms		M2[1]	-30,5+ de 15,448 G 6,84 de
Ref Level 25.00           Att         40           1PK View           20 dBm           0 dBm	0 dB <b>SWT</b> 102 ms		M2[1]	-30,5+ de 15,448 G 6,84 de
Ref Level 25.00           Att         40           1Pk View           20 dBm           10 dBm	0 dB <b>SWT</b> 102 ms		M2[1]	-30,5+ de 15,448 G 6,84 de
Ref Level 25.00           Att         40           1PK View           20 dBm           0 dBm	0 dB <b>SWT</b> 102 ms		M2[1]	-30,5+ de 15,448 G 6,84 de
Ref Level 25.00 /           Att         40           91Pk View         20 dBm           10 dBm         0           -10 dBm	0 dB <b>SWT</b> 102 ms		M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /           Att         40           DFK View         20 dBm           10 dBm	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00           Att         40           1PK View           20 dBm           0 dBm           -10 dBm           -20 dBm	0 dB SWT 102 ms		M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /           Att         40           DFK View         20 dBm           10 dBm	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /r           Att         40           Att         40	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /           Att         40           91Pk View         20           20 dBm         10           -10 dBm         30           -30 dBm         01 - 271           -30 dBm         01 - 271	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00           Att         40           91Pk View         40           91Pk View         40           10 dBm         40           30 dBm         91 - 273           30 dBm         91 - 273           30 dBm         91 - 273           50 dBm         50 dBm           60 dBm         60 dBm	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1] M1[1]	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /r           Att         40           Att         40	0 dB SWT 102 ms	• VBW 3 MH2 M	M2[1] M1[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	-30,54 de 15,448 d 5,84 de 5,7700 d
Ref Level 25.00 /           Att         40           91PK View         40           91PK View         40           90 dBm         40           10 dBm         40           30 dBm         61           400 dBm         40	0 dB SWT 102 ms		M2[1] M1[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	-30.54 de 15.448 G 6.84 de 5.7700 G





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			-		200			777.50 MHz
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to user	-							
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-10 dBm	-				-	-	-	-
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01 -27.00	OD CROWN							
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						(M1)		
40 dBm		beer to out to	mallaline	MAL WILLIAM	Milarental	when while	manipus	Mound 4
Contraction of the second s	and the local data of the	A. C. Martin	NAME OF ACTIVITY		CONTRACTOR DOLL	1000030000	ACCESSION OF	Prentoe vince
-SO dBm								
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and the second second				(an)			505	
Start 30.0 MHz	ni		691	pts		11 - 11	St	op 1.0 GHz
larker								
	X-value		Y-value	Func	tion	Fund	ction Resul	t
Type Ref Trc M1 1	X-value 777.5	MHz	Y-value -39.38 da		tion	Fund	ction Resul	
		MHz			tion	Fund	ction Resul	
M1 1	777.5				tion	Fund	ction Resul	
M1 1 Spectrum	777.5 8m		-39.38 dB			Fund	ction Resul	
M1 1 Spectrum Ref Level 30.00 di Att 40	777.5 8m	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun	ction Resul	(m) V
M1 1 Spectrum Ref Level 30.00 di	777.5 8m	⇒ RBV	-39.38 dB	m Mode Auto		Fund		[œn ⊽ 9.14 d0m
M1 1 Spectrum Ref Level 30.00 di Att 40	777.5 8m	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun		9.14 d8m 5.7420 GHs
M1         1           Spectrum	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Spectrum	777.5 8m	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Spectrum	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Spectrum	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fun		9.14 dBn 5.7420 GH
M1         1           Ref Level 30.00 di Att         40           91Pk View         40           20 d8m         10 d8m           0 d8m         10 d8m	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fund		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Ref Level 30.00 di Att         40           91Pk View         40           20 d8m         10 d8m           0 d8m         10 d8m	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fan		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Spectrum         Ref Level 30.00 di           Att         40           PIPK view         10 d8m           10 d8m         h           -10 d8m         -10 d8m	777.5 8m dB SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fant		9.14 d8m 5.7420 GHs -32.04 d8m
M1         1           Spectrum         Ref Level 30.00 di           Att         40           10 dBm         h           10 dBm         h           -10 dBm         -20 dBm	777.5 68 SWT 102	⇒ RBV	-39.38 dB	m Mode Auto	Sweep	Fan		9.14 dBm 5.7420 GH 32.04 dBm 8.1050 GH
M1         1           Ref Level 30.00 di Att         40           91Pk View         30.00 di 40           91Pk View         30.00 di 40           91Pk View         30.00 di 91Pk View           20 dBm         5           10 dBm         5           -10 dBm         -10 dBm	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 d8m 5.7420 GH3 -32.04 d8m 8.1050 GH3
M1         1           Spectrum	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           11/k View         20 dBm           10 dBm         h           -10 dBm         D1         27.00           -30 dBm         D1         27.00	777.5 68 SWT 102	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Ref Level 30.00 di         Att 40           11Pk View         10 dBm           20 dBm         10 dBm           -10 dBm         0 dBm           -20 dBm         0 dBm           -30 dBm         01 - 27 or           -30 dBm         -30 dBm	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 d8m 5.7420 GH3 -32.04 d8m 8.1050 GH3
M1         1           Spectrum         Ref Level 30.00 di           Att         40           1PK View         20 dBm           20 dBm         0           10 dBm         0           20 dBm         0           30 dBm         01 - 27.00           30 dBm         01 - 27.00           30 dBm         01 - 27.00	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           1Pk view         20 d8m           10 d8m         10 d8m           -10 d8m         01 - 27.00           -30 d8m         01 - 27.00           -30 d8m         01 - 27.00           -30 d8m         01 - 27.00	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           1Pk view         20 d8m           10 d8m         10 d8m           -10 d8m         01 - 27.00           -30 d8m         01 - 27.00           -30 d8m         01 - 27.00           -30 d8m         01 - 27.00	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	Mode Auto	5weep			9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Spectrum         Ref Level 30.00 di           Att         40           1Pk View         10           20 dBm         10           10 dBm         10           -10 dBm         10           -30 dBm         01           -30 dBm         01           -30 dBm         -50 dBm	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	m Made Auto	5weep		م م	9.14 dBm 5.7420 GH 32.04 dBm 8.1050 GH
M1         1           Spectrum         Ref Level 30.00 di Att 40           Att 40         10.00 di Att 40           10 dBm         0           10 dBm         0           30 dBm         01 - 27.00           30 dBm         01 - 27.00           30 dBm         01 - 27.00           40 ABm         40 ABm           40 dBm         40 ABm           60 dBm         60 ABm	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	m Made Auto	5weep		م م	9.14 dBn 5.7420 GH 32.04 dBn 8.1050 GH
M1         1           Ref Level 30.00 di Att         40           91Pk View         91Pk View           20 dBm         10 dBm           10 dBm         10 dBm           -30 dBm         01 -27.01	777.5	● RBV ms ● VB1	-39.38 dB W 1 MHz W 3 MHz	m Made Auto	5weep 1[1] 2[1] 2[1]	cyproven	م م	9.14 dBm 5.7420 GH -32.04 dBm 0.1050 GH - 





### Report No.: AAEMT/EMC/220328-02-04

### ac20 5.825 GHz

Spectrum	1						
Ref Level 30.	00 dēm	e RB	W 1 MH2				▼
Att	40 dB \$WT	1 ms . VB	W 3 MHz Mod	le Auto Sweep			
1Pk Max							
				MILTI			30 dBm 70 MHz
20 dBm	-		-	-	1 .	1 1	20 Mill2
10 dBm	-	-	-	-	-		
0 dBm							
/ Gent							
-10 dBm		-			-		
22							
20 dBm		-	-		-		
30 dBm 01 -	27.000 dBm-					· · · · · · · · · · · · · · · · · · ·	
GU dem						N11	12
40 dBm		-		Inderwand	ALL BRIDE		
-APROX	Here W. M. Markey	ing the factor	ARWARMSAMUM	Andres Andrea	Carl Constant	and the manual of	A BARA
-50 dBm		-	-		-		
2010 C					_		
-60 dBm							
Start 30.0 MHz			691 pt	5		Stop 1	.0 GHz
a subjective set	-						
	or.  X-10	ahun	Y-value	Eusction	Fun	rtion Result	-
Type Ref T M1 Spectrum		920:7 MHz	Y-value -39.30 dBm	Function	Fun	ction Result	(itts
Type Ref T M1 Spectrum Ref Level 30 Att	1 00 d8m	920:7 MHz	-39.30 dBm	nde Auto Sweep	Fun		
Type Ref T M1 Spectrum Ref Level 30. Att B1Pk View	1 00 d8m	920:7 MHz	-39.30 dBm		Fun	0.	.59 dBm
Type Ref T M1 Spectrum Ref Level 30. Att B1Pk View	1 00 d8m	920:7 MHz	-39.30 dBm	nde Auto Sweep	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type Ref T M1 Spectrum Ref Level 30 Att 91Pk View 20 d8m	1 00 d8m	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	50 dBm 160 GHz
Type Ref T M1 Spectrum Ref Level 30 Att 91Pk View 20 d8m	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type Ref T M1 Spectrum Ref Level 30 Att BIPK View 20 dBm 10 dBm	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type Ref T M1 Spectrum Ref Level 30. Att p1Pk View 20 dbm 10 dbm 0 dbm	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type         Ref         T           M1         T         M1           Spectrum         Ref Level 30.         At           PIPk view         20 dbm         20 dbm           10 dbm         0 dbm         0 dbm	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type         Ref         T           M1         T         M1           Spectrum         Ref Level 30.         At           B1Pk View         30.         At           20 d8m         10 d8m         10 d8m           -10 d8m         -10 d8m         -10 d8m	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type         Ref         T           M1         M1         T           Spectrum         Ref Level 30         Att           PIPk View         20         Att           20         Att         D           10         Att         D           -10         Att	1 00 d8m 40 d8 sw1	920:7 MHz	-39.30 dBm	nde Auto Sweep M1[1]	Fun	9. 5.8 -32	59 dBm 160 GHz 70 dBm
Type         Ref         T           M1         T         M1           Spectrum         Ref Level 30.         Att           PIPk view         20 dbm         20 dbm           10 dbm         -         -           -10 dbm         -         -           -20 dbm         -         -	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 350 GHz
Type         Ref         T           M1         T         M1           Spectrum         Ref Level         S0.           Att         B1Pk View         S0.           20 d8m         S0.         S0.           10 d8m         S0.         S0.           -10 d8m         S0.         S0.	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 350 GHz
Type         Ref         T           M1         T         M1           Spectrum         Ref Level         S0.           Att         B1Pk View         S0.           20 d8m         S0.         S0.           10 d8m         S0.         S0.           -10 d8m         S0.         S0.	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 350 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30. Att         30. Att           D1Pk View         20. 20. dbm         30. 20. dbm           10. dbm	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 350 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30.         Att           B1Pk View         30.         Att           20 d8m         0         Att           20 d8m         0         Att           30 d8m         01         -           -30 d8m         01         -           -50 d8m         -         -	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 59 dBm 160 GHz 70 dbm 350 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30.         Att           B1Pk View         30.         Att           20 d8m         0         Att           20 d8m         0         Att           30 d8m         01         -           -30 d8m         01         -           -50 d8m         -         -	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep M1[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 59 dBm 160 GHz 70 dbm 350 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30. Att         30. Att           D1Pk View         10. 0.08m         10. 0.08m           D0 dBm         00. 30.08m         00. 30.08m           -10.08m         00. 30.08m         00. 30.000           -20.08m         00. 40.08m         00. 40.08m           -30.08m         00. 40.08m         00. 40.08m           -60.08m         60.08m         60.000	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep MI[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 550 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30.         Att           PIPk View         30.         Att           20 d8m         0         Bth           10 d8m         0         Bth           -10 d8m         0         Bth           -20 d8m         0         -10           -30 d8m         01         -10           -50 d8m         01         -10           -60 d8m         CF 13.75 GHz         -10	1 00 dbm 40 db sw1 M1	920:7 MHz	-99.30 dBm	nde Auto Sweep MI[1] M2[1]	29	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 550 GHz
Type         Ref         T           M1         M1         M1           Spectrum         Ref Level 30.         Att           Ref Level 30.         Att         M1           10 dBm         10 dBm         10 dBm           20 dBm         10 dBm         11 -           -20 dBm         01 -         -           -30 dBm         01 -         -           -50 dBm         01 -         -           -60 dBm         01 -         -           -50 dBm         -         -	1 00 d8m 40 d8 sw1	920.7 MH2 102 ms = 1 102 ms = 1	-39.30 dBm	nde Auto Sweep M1[1] M2[1]	the section was	9 5.8 -32 10.11	[ ♥ 50 dBm 160 GHz 70 dBm 550 GHz
M1           Ref Level 30.           Att           B1Pk View           20 d8m           10 d8m           -10 d8m           -20 d8m           -30 d8m           -30 d8m           -10 d8m	1 00 d8m 40 d8 sw1	920:7 MHz	-99.30 dBm	ts	the section was	0 5.8 -32 10.1	[ ♥ 50 dBm 160 GHz 70 dBm 550 GHz





### Report No.: AAEMT/EMC/220328-02-04

	<u>ac40</u>	<u>5.755 GHz</u>		(ett)
Spectrum				ats V
Ref Level 25.00 dBm Att 40 dB SWT	RBW 1 MH2 1 ms = VBW 3 MHz	Mode Auto Sweep		
1Pk View	a ma a mare a conte	Private, Harris Scherely,		
20 d8m-	8	M1[1]		-32.73 dBm
20 Opin		1	V 27	331.50 MHz
10 d8m				
948501				
0 dBm				
- E				
-10 dBm	-			
-20 dBm	6 B			
01 -27.000 dBm				
30 dBm				
#0 dBm				
to see his and a property and the property of	Marshall and Marshall	strational the approximate	Arter water when	When the Hall way
-50 dBm				
-60 d8m		-		
-70 dBm-				
and the state of the second	a 14 a			
Start 30.0 MHz farker		691 pts		Stop 1.0 GHz
Ref Level 25.00 dBm	■ RBW 1 MH 102 ms ● VBW 3 MH			(an
B1Pk View	THE MA ROW THE	<ul> <li>model solo sweep</li> </ul>		
20 d6m	3	M2[1]		-31.46 dBm
		M1[1]		15,3370 GHz 6.34 dBm
10 dBm M1	-	and a start of the	9 YO -	5,7420 GHz
0 dBm				
D UDW				
-10 dBm	-			
-20 dBm				
11				
-30 dBm 01 -27.000 dBm		. The with		
ala dente man with the last	an the month in the second	in the property of the property of the second	a when the sign where	proventitude
ACT-anti-				
-50 dBm				
-60 dBm				
-70 d8m				
Start 1.0 GHz		691 pts	1	Btop 26.5 GHz
Narker		contrill.		
Type Ref Trc X-ve			Function Re	esult
MI 1 M2 1 1		4 dBm 6 dBm		

### ac40 5.755 GHz





### Report No.: AAEMT/EMC/220328-02-04

### <u>ac40 5.795 GHz</u>

Spectrum					CEL:
Ref Level 25.00 db	m 👄 RB	W 1 MH2			
Att 40 c	B SWT 1 ms 🖶 VB	W 3 MHz Mod	le Auto Sweep		
1Pk View					
20 d6m			M2[1]		-34.72 dBm
10009000			MILTI		-44,70 MHz -43,58 dBm
10 d8m					1.00000 GHz
208567/M			T I	1 1	the second s
0 dBm					
-10 dBm					
10.000					
-20 dBm		-		-	
01 27.00	1 dEctor				
-30 dBm					
O dem	his barrele sector	in a state	a call to be used also	ALACTOR HALL LAD.	Andre Manada
Sto dam	when when a when	el a vasal contacto	wardhe word like h	and of a man	In a Marth 11
513354K.04					
-60 dBm	-	-		+ +	
12723					
-70 dBm	1 5	E mark			
Start 30.0 MHz	N 11	691 p	ts	10 W	Stop 1.0 GHz
larker	STREET, STREET				
MI 1	X-value 1.0 GHz	Y-value -43.58 dBm	Function	Function	Result
M1 1 M2 1	44.7 MHz	-94.72 dBm			
					Corre
Spectrum					
Ref Level 25.00 d8		RBW 1 MPR	Statistics		
Att 40 c	8 SWT 102 ms = '	VBW 3 MH2 M	ode Auto Sweep		
Les view	1	- T	M2[1]		-31,42 dBm
20 d8m			- inter		16,1860 GHz
A NOT			M1[1]		7.57 dBm
10 dBm	(			3	5,7790 GHz
0 d8m					
-10 dBm		-		-	
Charles - 10					
-20 dBm					
01 -27.00	û dêm	_	H		
-30 dBm	AND DO TO	and the second second	montheman	al about a la	and the same
Andbortat	have been show the second	all man prover	Alter a support	ucher	And the second s
-S0 d8m					
-60 d8m					
TO dBm					
-70 dBm		a maria	-		wan barren
Start 1.0 GHz		691 p	ts		Stop 26.5 GHz
forker Type   Ref   Trc	2002 P		1 2000	2000	2000
Targen 1 Qual 1 Test	X-value	Y-value	Function	Function	Result
					i isaarans
M1 1 M2 1	5.779 GHz 16.186 GHz	7.67 dBm -31.42 dBm			





Spectrum					1
Ref Level 30.00 dan		W 1 MHz	1/6/20122012		10
Att 40 dB	SWT 1 ms - VB	W 3 MHz Mode /	iuto Sweep		
TER VIEW	1	12 T	MI[1]		-30.08 dBn
					41.90 MH
20 dBm					
10 d8m					
20 million 1					
) dBm		-	-		
10 dBm	-				
10 02.00					
20 dBm					
01 -27 000	dBm				
map of					
40 dBm	-	-			
Syley melly miller al	hoperter production	e and the with the self	ubhowner Tide	Will and work will give	H.M. MARAN
Sd Ward	and a second	Provide Party of the Party of t	1		
60 dBm		3			
tart 30.0 MHz		691 pts	- <u>k</u> - )		Stop 1.0 GHz
arker		0.01 0.02			acop are dete
	X-value	Y-value	Function	Function R	esult
M1 1	X-value 41.9 MHz	Y-value -30.09.d8m	Function	Function R	esult
M1 1			Function	Function R	(00
M1 1	41.9 MHz		Function	Function R	esult T
M1         1           Spectrum	41.9 MHz	-30.08 dām	Auto Sweep	Function R	(at
M1         1           Spectrum	41.9 MHz	-30.08 dām	Auto Sweep	Function R	(at
M1 1 Spectrum Ref Level 30.00 dim Att 40 de 1Pk View	41.9 MHz	-30.08 dām		Function R	-30.0+ dbr
M1 1 Spectrum Ref Level 30.00 dim Att 40 de 1Pk View	41.9 MHz	-30.08 dām	Auto Sweep	Function R	-30.04 dBr 15.7429 GH 5.05 dBr
M1 1 Spectrum Ref Level 30.00 dBm Att 40 dB 1Pk View 20 dBm	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	-30.04 dBr 15.7429 GH 5.05 dBr
M1         1           Spectrum         Ref Level 30.00 dam           Att         40 db           +1Pk View         20 dbm           20 dbm         min	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	-30.04 dBr 15.7429 GH 5.05 dBr
M1         1           Spectrum         Ref Level 30.00 dam           Att         40 dam           h1Fk View         10 dam           10 dam         11 ft	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	-30.04 dBr 15.7429 GH 5.05 dBr
M1         1           Spectrum	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	-30.04 dBr 15.7429 GH 5.05 dBr
M1         1           Spectrum	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	-30.04 dBn 15.7429 GH 5.05 dBr
M1         1           Spectrum         Ref Level 30.00 dan Att           Att         40 da biPK View           20 dam         0           10 dam         M1           -10 dam         M1	41.9 MHz	-30.08 dām	Auto Sweep M2[1]	Function R	(at
M1         1           Spectrum         Ref Lovel 30.00 dan           Att         40 da           1PK View         20 dam           20 dam         10 dam           10 dam         11           20 dam         11	41.9 MHz	-30.08 dām	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 dan           Att         40 da           10 dam	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 dan           Att         40 dan           NTR         40 dan	41.9 MHz	-30.08 d8m	M2[1] M1[1]	Function R	-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 den Att 40 de 10 km           Att 40 de 10 km         40 de 10 km           10 dem 1	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 den Att 40 de 51PK view           20 dem         0 dem           10 dem         M1           20 dem         0 dem           30 dem         D1 27.003           30 dem         D1 27.003           30 dem         D1 27.003	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 dim           Att         40 dim           1PK View         20 dim           20 dim         0 dim           10 dim         0 dim           30 dim         0 dim	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level 30.00 dim           Att         40 dim           10 dim         0           10 dim         0           20 dim         0           30 dim         0	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8n 15.7428 GH 5.05 d8n 5.7420 GH
M1         1           Spectrum         Ref Level \$0.00 dam           Att         40 dam           10 dam         10 dam           10 dam         11 dam           20 dam         11 dam           30 dam         11 dam           20 dam         11 dam           30 dam         11 dam           30 dam         11 dam           30 dam         11 dam           50 dam         50 dam	41.9 MHz	-30.08 d8m	M2[1] M1[1]		-30.0+ d8r 15.7429 GH 5.05 d8r 5.7420 GH
M1         1           Spectrum         Ref Level \$0.00 dim           Att         40 dim           Att         40 dim           10 dBm         10 dBm           10 dBm         10 dBm           20 dBm         10 dBm           30 dBm         10 dBm           40 dim         10 dBm           30 dBm         10 dBm           40 dim         10 dBm           30 dBm         10 dBm           40 dim         10 dBm           30 dBm         10 dBm           60 dBm         10 dBm           60 dBm         10 dBm	41.9 MHz	-30.08 d8m	M2[1] M2[1] M4[1]	when the second	-30.0+ dBr 35.7420 GH 5.05 dBr 5.7420 GH 5.7420 GH
M1         1           Spectrum         Ref Level \$0.00 dim           Att         40 dim           1PK View         20 dim           10 dim         m1           -10 dim	41.9 MHz	-30.08.d8m	M2[1] M1[1]		-30.0+ dBn 35.7429 GH 5.05.056 5.7420 GH 5.7420 GH





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# **11. ANTENNA REQUIREMENTS**

# 11.1. Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

# **11.2. EUT ANTENNA**

The antennas used for this product are Integrated antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 4.25dBi and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

## .\*\*End of report\*\*