

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

 Telephone:
 +86 (0) 755 2601 2053

 Fax:
 +86 (0) 755 2671 0594

 Email:
 ee.shenzhen@sgs.com

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FCC REPORT

Application No:	SZEM1802001387RG
Applicant:	Huawei Technologies Co.,Ltd
Manufacturer:	Huawei Technologies Co.,Ltd
Factory:	Huawei Technologies Co.,Ltd
Product Name:	Smart Phone
Model No.(EUT):	EML-L09 ,
Trade Mark::	HUAWEI
FCC ID:	QISEML-L09
IC ID:	6369A-EMLL09
Standards:	47 CFR Part 15, Subpart E (2018)
	RSS-Gen Issue 4 Nov 2014
	RSS 247 Issue 2 Feb 2017
Test Method	KDB 789033 D02 v02r01
	ANSI C63.10.2013
Date of Receipt:	2018-01-03
Date of Test:	2018-01-04 to 2018-01-31
Date of Issue:	2018-02-01
Test Result:	PASS *

.* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Derele young

Derek Yang Wireless Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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2 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2018-02-01		Original

Authorized for issue by:		
Tested By	Mike Mu (Mike Hu) /Project Engineer	2018-02-01
Checked By	John Hong	2018-02-01
	(Jim Huang) /Reviewer	Date



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3 Test Summary

Test Item	Test Requirement	Test method	Result
	47 CFR Part 15		
Antenna Requirement	Section 15.203	ANSI C63.10: 2013	PASS
	RSS-Gen Issue 4		
AC Power Line	47 CFR Part 15		
Conducted	Section 15.207	ANSI C63.10: 2013	PASS
Emission	RSS-Gen Issue 4		
Dedicted Spurious	47 CFR Part 15		
Radiated Spurious Emissions	Section 15.407(b)	ANSI C63.10: 2013	PASS
EIIISSIOIIS	RSS-247 6.2		
Restricted bands around	47 CFR Part 15		
fundamental frequency	Section 15.407(b)	ANSI C63.10: 2013	PASS
(Radiated Emission)	RSS-247 6.2		

Remark:

This test report (Report No.: **SZEM180200138702**) is base on the original test report (Report No.:

SZEM180200138702)

According to the declaration from the applicant, the differences between EML-L29 and EML-L09 are as follows.

	EML-L29	EML-L09
GSM four bands	the same	the same
WCDMA bands	the same	the same
LTE bands	the same	the same
FCC bands	the same	the same
SIM card	Two	One
NFC	the same	the same
External camera	the same	the same
internal camera	the same	the same
FLASH	the same	the same
Mainboard	the same	the same
PCB layout	the same	the same
Appearance	the same	the same
Bluetooth mode	the same	the same
WLAN mode	the same	the same
BT/ WLAN antenna	the same	the same
GSM/ WCDMA /LTE antenna	the same	The same
Adapter	the same	the same
Battery	the same	the same
Chipset	the same	the same



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Ī	Memory	the same	the same
Ī	RF Parameter	the same	the same

Therefore the test data in this report are base on previous report with report number SZEM180200138702.



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5 General Information

5.1 Client Information

Applicant:	Huawei Technologies Co., Ltd.	
Address of Applicant:	Administration Building, Headquarters of Huawei Technologies Co., Ltc Bantian, Longgang District, Shenzhen, 518129, P.R.C	
Manufacturer:	Huawei Technologies Co., Ltd.	
Address of Manufacturer:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C	
Factory:	Huawei Technologies Co., Ltd.	
Address of Factory:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C	

5.2 General Description of EUT

Product Name:	Smart Phone	
Model No.:	PAT-L29	
Trade Mark:	HUAWEI	
Operation Frequency:	IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5150MHz to 5250MHz IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5250MHz to 5350MHz IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5470MHz to 5725MHz IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5725MHz to 5850MHz	
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11ac: OFDM(BPSK/QPSK/16QAM/64QAM/256QAM)	
Sample Type:	Portable Device	
Antenna Type:	Intergral	
Antenna Gain:	Antenna1 :-1.45dBi, Antenna2 :1.41dBi	
EUT Power Supply:	DC3.82V (1 x 3.82V Rechargeable battery)3320mAh Battery: Charge by DC 4.4V	
AC adaptor:	Adaptor: Model:HW-050450U00 Input: AC100-240V 50/60Hz 0.75A Output:DC5.0V 2A / 4.5V 5A/ 5.0V 4.5A	



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Note:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of	Number of Measurement	Location of Measurement Frequency
Operation Operating	Frequencies Required	in Band of Operation
Frequency Range (in each		
Band)		
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre

For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180
	The Middle channel	5220
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5300
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	The Middle channel	5290



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For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel 5500	
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n/ac 40MHz	The Lowest channel 5510	
	The Middle channel 5550	
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Lowest channel 5530	
	The Highest channel	5610

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel 5755	
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775



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5.3 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all
	kind of data rate.

5.4 Description of Support Units

The EUT has been tested independent unit.

5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch,

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594 No tests were sub-contracted.



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5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• FCC – Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None



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5.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	0.75dB
2	RF power density, conducted	2.84dB
3	Spurious emissions, conducted	0.75dB
		4.5dB (30MHz-1GHz)
4	Radiated Spurious emission test	4.8dB (1GHz-25GHz)
5	Conduct emission test	3.12 dB(9KHz- 30MHz)
6	Temperature test	1°C
7	Humidity test	3%
8	DC and low frequency voltages	0.5%



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5.11 Equipment List

	Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-10
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2017-10-09	2018-10-09
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2017-04-14	2018-04-14
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8- 02	EMC0120	2017-09-28	2018-09-28
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4- 02	EMC0121	2017-09-28	2018-09-28
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2- 02	EMC0122	2017-09-28	2018-09-28
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2017-04-14	2018-04-14
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09

	RF connected test					
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-10-09	2018-10-09
2	Signal Analyzer	Rohde &Schwarz	FSV	W005-02	2017-03-06	2018-03-06
3	Signal Generator	Rohde &Schwarz	SML03	SEM006-02	2017-04-14	2018-04-14
4	Power Meter	Rohde &Schwarz	NRVS	SEM014-02	2017-10-09	2018-10-09
5	Power Sensor	Agilent Technologies	U2021XA	SEM009-01	2017-10-09	2018-10-09



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	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoid Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-05-10	2018-05-10
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2017-10-09	2018-10-09
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-11-01	2020-11-01
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
5	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2017-11-24	2020-11-24
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-14
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09
9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13

	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2017-05-10	2018-05-10
2	EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2017-04-14	2018-04-14
3	Trilog-Broadband Antenna(30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-29
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2017-07-06	2018-07-06
5	.Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14



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	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10
2	EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-09	2017-07-19	2018-07-19
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2017-11-15	2020-11-15
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-10-09	2018-10-09
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2017-11-24	2020-11-24
7	HornAntenna (26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2015-02-12	2018-02-12
8	Low Noise Amplifier	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2017-10-09	2018-10-09
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A



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6 Test results and Measurement Data

6.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
The antenna is of the antenna	s integrated antenna and no consideration of replacement. The best case gain is 1.41dBi.



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6.2 Conducted Emi	1	_ // >		
Test Requirement:	47 CFR Part 15 Section 15.407(b)			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz		1	
Limit:	Frequency range (MHz)	Limit (c	lBuV)	
	Frequency range (iviniz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the logarithm	n of the frequency.		
Test Procedure:	 Impedance Stabilization Nation provided to a second LIS plane in the same way as the multiple socket outlet stript single LISN provided the rational structure placed on the horizontal gradient of the EUT shall be 0.4 m for the EUT shall be 0.4 m for the rational gradient on the closest points the EUT and associated equations. 5) In order to find the maximum structure and structure structure in the structure in the maximum structure in the structure in the maximum structure in the structure in the maximum structure in the maximum structure in the maximum structure in the s	 The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50µH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 		
Test Setup:	Shielding Room	AE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Test Receiver	

6.2 Conducted Emissions



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Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Measurement Data

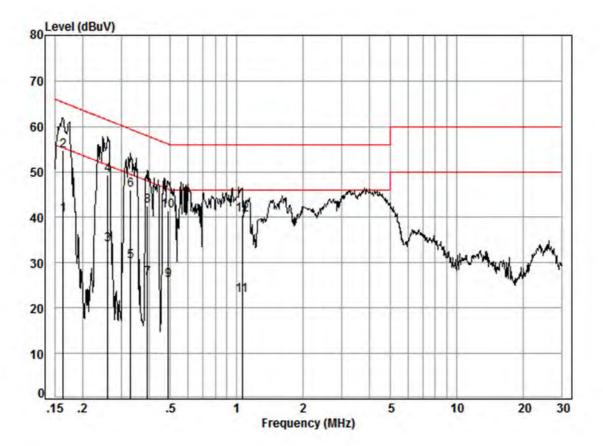
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



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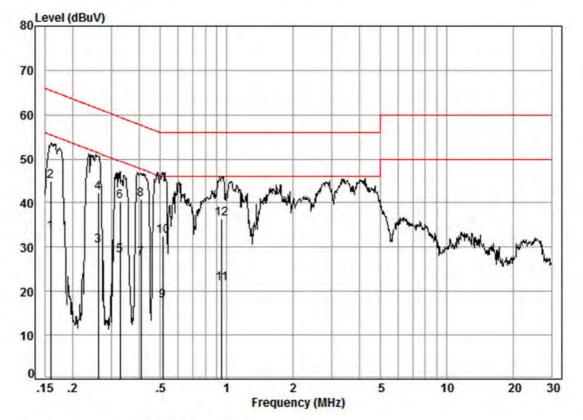
Site : Shielding Room Condition: Neutral Job No. : 12939RG Test mode: a

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
-	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16	0.02	9.59	30.95	40.56	55.30	-14.74	Average
2	0.16	0.02	9.59	45.12	54.73	65.30	-10.57	QP
3	0.26	0.01	9.58	24.34	33.93	51.42	-17.49	Average
4	0.26	0.01	9.58	39.78	49.37	61.42	-12.05	QP
5	0.33	0.01	9.58	20.66	30.25	49.44	-19.19	Average
6	0.33	0.01	9.58	36.30	45.89	59.44	-13.55	QP
7	0.39	0.01	9.59	16.91	26.51	47.99	-21.48	Average
8	0.39	0.01	9.59	32.85	42.45	57.99	-15.54	QP
9	0.49	0.01	9.60	16.48	26.09	46.19	-20.10	Average
10	0.49	0.01	9.60	31.91	41.52	56.19	-14.67	QP
11	1.06	0.02	9.63	13.33	22.98	46.00	-23.02	Average
12	1.06	0.02	9.63	30.95	40.60	56.00	-15.40	QP



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Neutral Line:



Site : Shielding Room Condition: Line Job No. : 12939RG Test mode: a

		Cable	LISN	Read		Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	÷
1	0.16	0.02	9.51	23.77	33.30	55.52	-22.22	Average
2	0.16	0.02	9.51	35.46	44.99	65.52	-20.53	QP
3	0.26	0.01	9.51	20.75	30.27	51.38	-21.11	Average
4	0.26	0.01	9.51	32.83	42.35	61.38	-19.03	QP
5	0.33	0.01	9.50	18.68	28.19	49.49	-21.30	Average
6	0.33	0.01	9.50	30.92	40.43	59.49	-19.06	QP
7	0.41	0.01	9.49	17.87	27.37	47.68	-20.31	Average
8	0.41	0.01	9.49	31.21	40.71	57.68	-16.97	QP
9	0.51	0.01	9.50	8.30	17.81	46.00	-28.19	Average
10	0.51	0.01	9.50	23.05	32.56	56.00	-23.44	QP
11	0.95	0.02	9.50	12.30	21.82	46.00	-24.18	Average
12	0.95	0.02	9.50	26.88	36.40	56.00	-19.60	QP

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

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6.3 Radiated Spurious Emissions

0.5 Raulaleu Spi	
Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)
Test Setup:	
AE EUT Ground Ref Test Receiver	Antenna Tower merce Plane Prese Controller Test Receiver Test Receiver Antenna Tower Test Receiver Test Receiver
Figure 1. 30	MHz to 1GHz Figure 2. Above 1 GHz
Test Procedure:	 a. For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test M	ode: Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT20);

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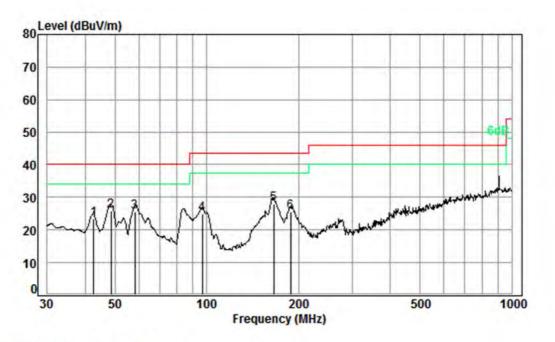


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	case of 802.11ac(HT80)
	For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

6.3.1 Radiated emission below 1GHz

30MHz~1GHz (QP)		
Test mode:	Transmitting	Vertical



Condition: 3m VERTICAL Job No. : 12939RG Test mode: a

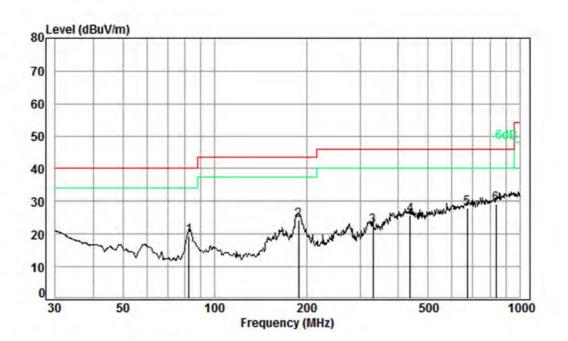
	Freq			Preamp Factor			Limit Line	Over Limit
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	42.60	0.66	16.57	27.62	33.92	23.53	40.00	-16.47
2 pp	48.50	0.77	14.65	27.60	37.98	25.80	40.00	-14.20
3	58.20	0.80	13.37	27.57	38.97	25.57	40.00	-14.43
4	96.77	1.17	13.72	27.51	37.55	24.93	43.50	-18.57
5	166.07	1.35	15.63	27.52	38.38	27.84	43.50	-15.66
6	188.41	1.38	16.16	27.53	35.43	25.44	43.50	-18.06

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Test mode:	Transmitting	Horizontal



Condition: 3m HORIZONTAL Job No. : 12939RG Test mode: a

Freq						Limit Line	Over Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
82.36	1.10	12.27	27.50	33.58	19.45	40.00	-20.55
188.41	1.38	16.16	27.53	34.22	24.23	43.50	-19.27
330.19	2.00	20.53	27.60	27.62	22.55	46.00	-23.45
437.12	2.36	23.27	27.79	27.98	25.82	46.00	-20.18
672.84	2.85	27.57	27.59	25.29	28.12	46.00	-17.88
836.24	3.35	28.99	27.29	24.24	29.29	46.00	-16.71
	MHz	Freq Loss MHz dB 82.36 1.10 188.41 1.38 330.19 2.00 437.12 2.36 672.84 2.85	Freq Loss Factor MHz dB dB/m 82.36 1.10 12.27 188.41 1.38 16.16 330.19 2.00 20.53 437.12 2.36 23.27 672.84 2.85 27.57	Freq Loss Factor Factor MHz dB dB/m dB 82.36 1.10 12.27 27.50 188.41 1.38 16.16 27.53 330.19 2.00 20.53 27.60 437.12 2.36 23.27 27.79 672.84 2.85 27.57 27.59	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 82.36 1.10 12.27 27.50 33.58 188.41 1.38 16.16 27.53 34.22 330.19 2.00 20.53 27.60 27.62 437.12 2.36 23.27 27.79 27.98 672.84 2.85 27.57 27.59 25.29	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 82.36 1.10 12.27 27.50 33.58 19.45 188.41 1.38 16.16 27.53 34.22 24.23 330.19 2.00 20.53 27.60 27.62 22.55 437.12 2.36 23.27 27.79 27.98 25.82 672.84 2.85 27.57 27.59 25.29 28.12	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 82.36 1.10 12.27 27.50 33.58 19.45 40.00 188.41 1.38 16.16 27.53 34.22 24.23 43.50 330.19 2.00 20.53 27.60 27.62 22.55 46.00 437.12 2.36 23.27 27.79 27.98 25.82 46.00 672.84 2.85 27.57 27.59 25.29 28.12 46.00



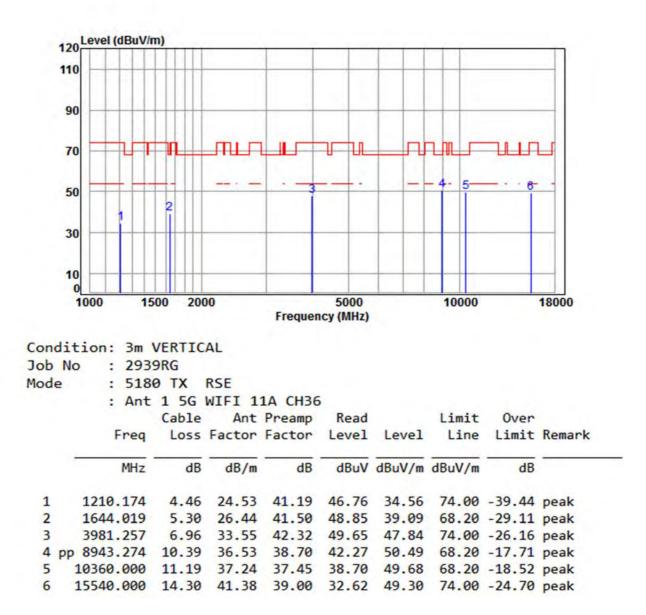
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6.3.2Transmitter emission above 1GHz

ANT1

Test plot as follows:

Test mode: 802.11a Frequer	cy(MHz): 5180	Peak	Vertical
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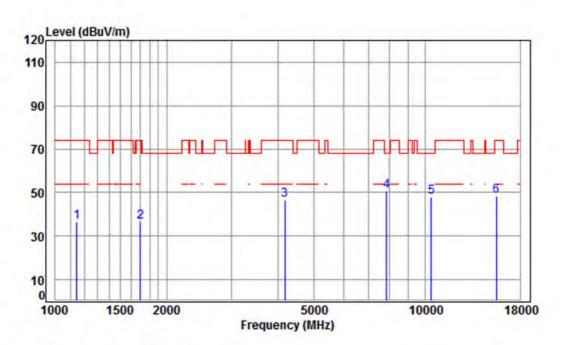


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Test mode:802.11aFrequency(MHz):5180PeakH	Horizontal
---	------------



	dition:		2110000	NTAL						
Job	No :	2939	RG							
Mod	e :	5180	TX	RSE						
	:	Ant	1 5G	WIFI 1	1A CH36					
			Cable	Ant	Preamp	Read		Limit	Over	
	F	req	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	1	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.5	507	4.20	24.20	41.14	49.32	36.58	74.00	-37.42	peak
2	1697.1	129	5.23	26.66	41.53	46.24	36.60	74.00	-37.40	peak
3	4169.0	598	7.18	33.60	42.36	48.21	46.63	74.00	-27.37	peak
4	pp 7852.5	524	9.96	36.51	40.29	44.32	50.50	68.20	-17.70	peak
5	10360.0	000	11.19	37.24	37.45	37.12	48.10	68.20	-20.10	peak
6	15540.0	000	14.30	41.38	39.00	31.64	48.32	74.00	-25.68	peak

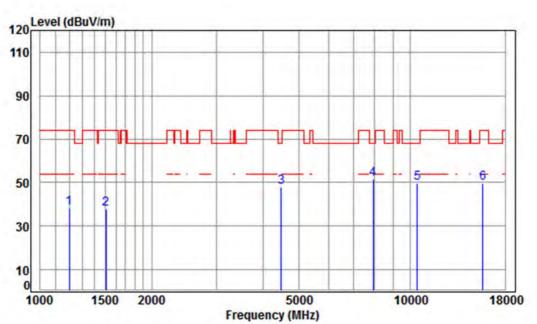


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Test mode:802.11aFrequency(MHz):5220PeakVertical
--



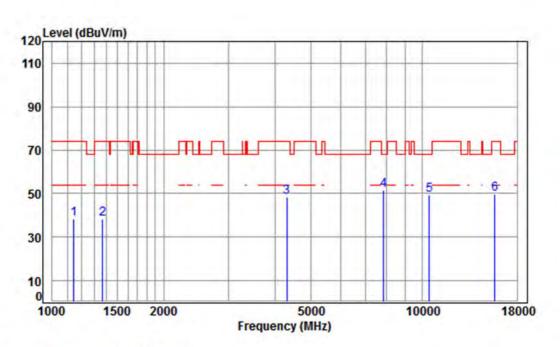
Condi	tion: 3m	VERTIC	AL							
Job N	lo : 293	9RG								
Mode	: 522	о тх	RSE							
	: Ant	1 5G	WIFI 1	1A CH44						
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	1199.726	4.42	24.48	41.18	50.60	38.32	74.00	-35.68	peak	
2	1507.470	5.47	25.83	41.41	48.12	38.01	74.00	-35.99	peak	
3	4482.150	7.54	33.60	42.41	49.14	47.87	68.20	-20.33	peak	
4 p	7920.911	9.96	36.55	40.25	45.26	51.52	68.20	-16.68	peak	
5	10440.000	11.25	37.16	37.51	38.75	49.65	68.20	-18.55	peak	

15660.000 14.48 41.34 39.11 32.81 49.52 74.00 -24.48 peak



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Test mode:802.11aFrequency(MHz):5220PeakH	Horizontal
---	------------

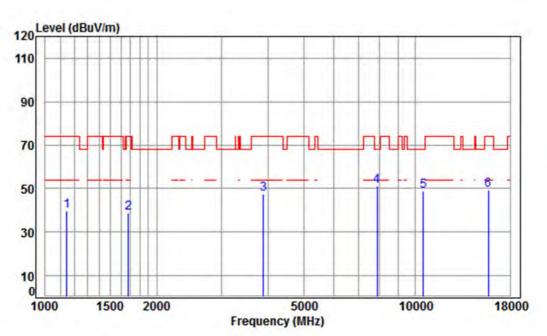


		9RG Ø TX	RSE	1A CH44					
	. And	Cable	Ant	Preamp	Read	1.00	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1145.507	4.20	24.20	41.14	50.97	38.23	74.00	-35.77	peak
2	1370.328	5.05	25.26	41.32	49.51	38.50	74.00	-35.50	peak
3	4304.400	7.34	33.60	42.38	49.60	48.16	74.00	-25.84	peak
4	pp 7852.524	9.96	36.51	40.29	45.17	51.35	68.20	-16.85	peak
5	10440.000	11.25	37.16	37.51	38.16	49.06	68.20	-19.14	peak
6	15660.000	14.48	41.34	39.11	33.12	49.83	74.00	-24.17	peak



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Test mode:802.11aFrequency(MHz):5240PeakVertical
--

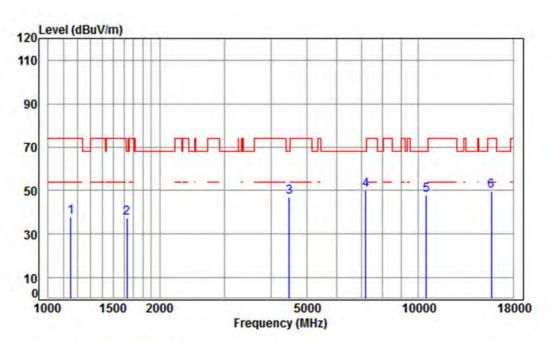


Con	dition: 3m	VERTIC	AL						
Job	No : 293	9RG							
lod	e : 524	Ø TX	RSE						
	: Ant	1 5G	WIFI 1	1A CH48					
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1145.507	4.20	24.20	41.14	52.49	39.75	74.00	-34.25	peak
2	1677.621	5.25	26.58	41.52	48.63	38.94	74.00	-35.06	peak
3	3890.255	6.87	33.31	42.30	49.37	47.25	74.00	-26.75	peak
4	pp 7875.254	9.96	36.53	40.28	44.72	50.93	68.20	-17.27	peak
5	10480.000	11.28	37.12	37.53	37.87	48.74	68.20	-19.46	peak
6	15720.000	14.57	41.31	39.17	32.38	49.09	74.00	-24.91	peak



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Test mode:802.11aFrequency(MHz):5240PeakHor	izontal	
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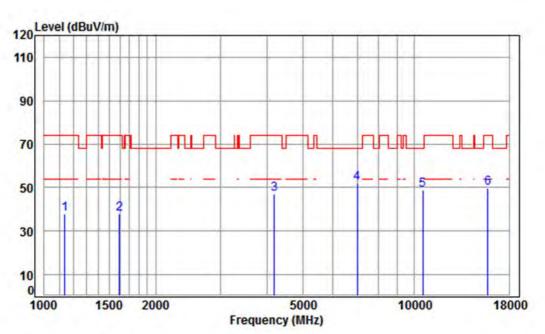


	e :	2939 524	ORG OTX	RSE						
		Ant Freq	Cable	Ant	1A CH48 Preamp Factor	Read	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1152	.148	4.22	24.24	41.14	50.52	37.84	74.00	-36.16	peak
2	1629	.825	5.31	26.38	41.49	47.14	37.34	68.20	-30.86	peak
3	4482	.150	7.54	33.60	42.41	48.14	46.87	68.20	-21.33	peak
4	pp 7200	.309	10.08	36.42	40.72	44.43	50.21	68.20	-17.99	peak
5	10480	.000	11.28	37.12	37.53	37.16	48.03	68.20	-20.17	peak
6	15720	000	14.57	41.31	39.17	33.18	49.89	74.00	-24.11	peak



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Test mode:802.11aFrequency(MHz):5260PeakVertical
--

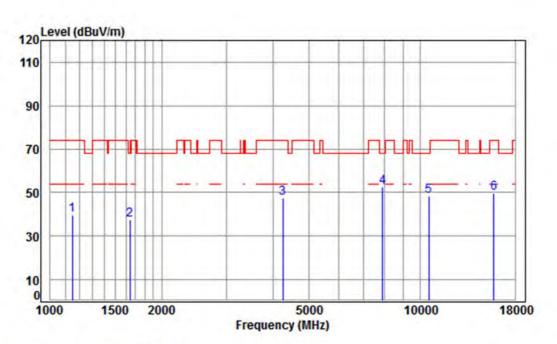


lob		939RG 260 TX	RSE						
lou		nt 1 5G	Sec. 2	14 6452					
		Cable		Preamp	Read		Limit	Over	
	Fre	eq Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	Mł	Hz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1138.90	4.17	24.17	41.13	50.54	37.75	74.00	-36.25	peak
2	1597.18	5.35	26.24	41.47	47.63	37.75	74.00	-36.25	peak
3	4181.76	58 7.20	33.60	42.36	48.55	46.99	74.00	-27.01	peak
4	pp 7015.42	20 10.13	36.49	40.84	46.22	52.00	68.20	-16.20	peak
5	10520.00	00 11.30	37.12	37.56	37.99	48.85	68.20	-19.35	peak
6	15780.00	00 14.66	41.29	39.22	32.93	49.66	74.00	-24.34	peak



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Test mode:802.11aFrequency(MHz):5260PeakHorizontal
--



Con	dition: 3	m HORIZO	NTAL						
Job	No : 2	939RG							
Mod	e : 5	260 TX	RSE						
	: A	nt 1 5G	WIFI 1	1A CH52					
		Cable	Ant	Preamp	Read		Limit	Over	
	Fre	eq Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH	lz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1148.82	4.21	24.22	41.14	52.30	39.59	74.00	-34.41	peak
2	1644.01	5.30	26.44	41.50	47.29	37.53	68.20	-30.67	peak
3	4254.92	7.28	33.60	42.37	49.06	47.57	74.00	-26.43	peak
4	pp 7898.04	9.96	36.54	40.26	46.12	52.36	68.20	-15.84	peak
5	10520.00	00 11.30	37.12	37.56	37.62	48.48	68.20	-19.72	peak
6	15780.00	00 14.66	41.29	39.22	33.00	49.73	74.00	-24.27	peak

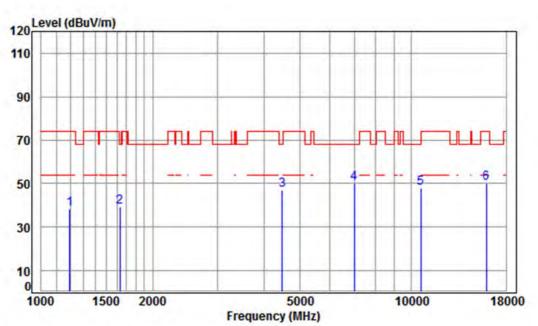


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Test mode:802.11aFrequency(MHz):5300PeakVertical
--



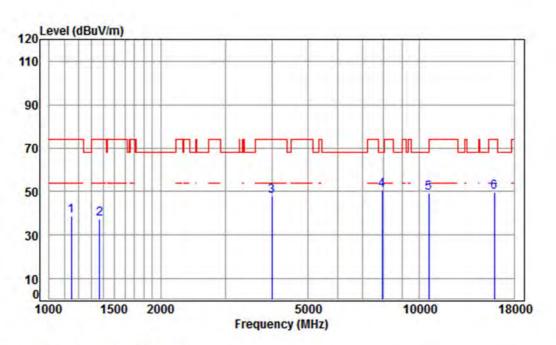
Condit	tion: 3m	VERTIC	AL							
Job No	: 293	9RG								
Mode	: 530	о тх	RSE							
	: Ant	1 5G	WIFI 1	1A CH60						
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1196.264	4.40	24.46	41.18	50.46	38.14	74.00	-35.86	peak	
2	1634.543	5.31	26.40	41.49	48.88	39.10	68.20	-29.10	peak	
3	4482.150	7.54	33.60	42.41	48.21	46.94	68.20	-21.26	peak	
4 pp	7015.420	10.13	36.49	40.84	44.55	50.33	68.20	-17.87	peak	
5	10600.000	11.36	37.22	37.62	37.14	48.10	68.20	-20.10	peak	

15900.000 14.84 41.24 39.33 33.56 50.31 74.00 -23.69 peak



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Test mode:802.11aFrequency(MHz):5300PeakHo	orizontal
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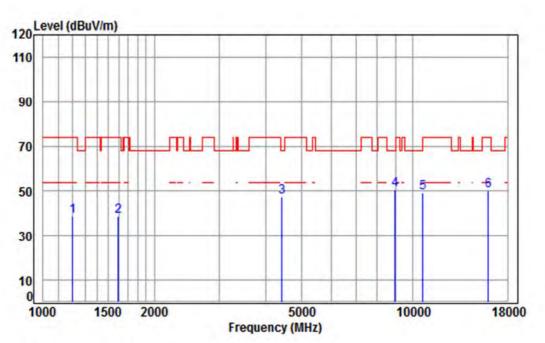


Con	dition: 3	m HORIZO	NTAL						
Job	No : 2	939RG							
Mode	e : 5	300 TX	RSE						
	: A	nt 1 5G	WIFI 1	1A CH60)				
		Cable	Ant	Preamp	Read		Limit	Over	
	Fre	eq Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MH	lz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1148.82	4.21	24.22	41.14	51.27	38.56	74.00	-35.44	peak
2	1370.32	28 5.05	25.26	41.32	48.30	37.29	74.00	-36.71	peak
3	3992.78	6.97	33.58	42.32	49.56	47.79	74.00	-26.21	peak
4	pp 7920.91	9.96	36.55	40.25	44.56	50.82	68.20	-17.38	peak
5	10600.00	0 11.36	37.22	37.62	38.19	49.15	68.20	-19.05	peak
6	15900.00	00 14.84	41.24	39.33	33.15	49.90	74.00	-24.10	peak



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Test mode: 802.11a Frequency(MHz)		Peak	Vertical
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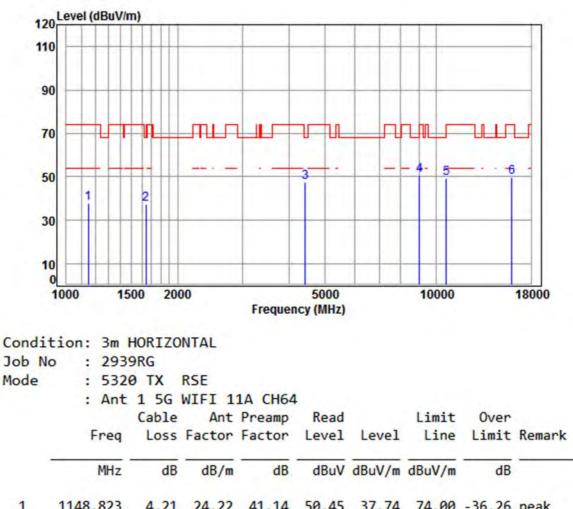


lod		0 TX							
	: Ant Freq	Cable	Ant	1A CH64 Preamp Factor	Read	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	50.91	38.64	74.00	-35.36	peak
2	1597.181	5.35	26.24	41.47	48.85	38.97	74.00	-35.03	peak
3	4417.841	7.47	33.60	42.40	48.67	47.34	68.20	-20.86	peak
4	pp 8943.274	10.39	36.53	38.70	42.41	50.63	68.20	-17.57	peak
5	10640.000	11.39	37.27	37.64	38.07	49.09	74.00	-24.91	peak
6	15960.000	14.93	41.22	39.38	33.30	50.07	74.00	-23.93	peak



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Test mode:802.11aFrequency(MHz):5320PeakHorizonta	Horizontal
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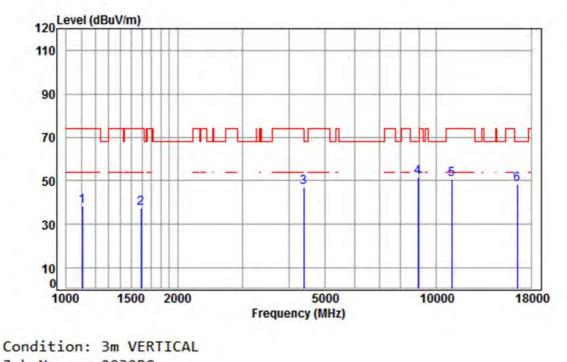
1	1148.823	4.21	24.22	41.14	50.45	37.74	74.00	-36.26	peak	
2	1644.019	5.30	26.44	41.50	47.13	37.37	68.20	-30.83	peak	
3	4417.841	7.47	33.60	42.40	48.65	47.32	68.20	-20.88	peak	
4	pp 8995.123	10.40	36.59	38.62	42.41	50.78	68.20	-17.42	peak	
5	10640.000	11.39	37.27	37.64	38.18	49.20	74.00	-24.80	peak	
6	15960.000	14.93	41.22	39.38	32.97	49.74	74.00	-24.26	peak	

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Test mode: 802.11a Frequency(MHz):	5500	Peak	Vertical
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CONDICION	•	JIII VENTICA
Job No	:	2939RG

Mode

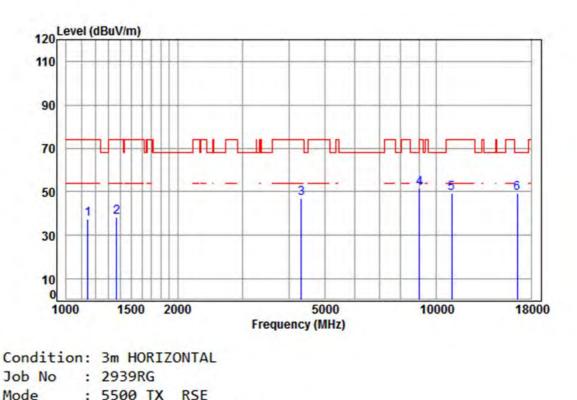
: 5500 TX RSE : Ant 1 5G WIFI 11A CH100

. Anc	1 20	MTLT T	TH CUITO					
Freq			Preamp Factor				Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1106.457	4.03	24.00	41.10	51.51	38.44	74.00	-35.56	peak
1592.571	5.36	26.22	41.47	47.33	37.44	74.00	-36.56	peak
4379.699	7.43	33.60	42.40	48.18	46.81	74.00	-27.19	peak
pp 8917.462	10.38	36.50	38.74	43.36	51.50	68.20	-16.70	peak
11000.000	11.63	37.70	37.88	39.40	50.85	74.00	-23.15	peak
16500.000	14.50	42.70	39.86	31.01	48.35	68.20	-19.85	peak



Report No.: SZEM180200138702 Page: 36 of 818

Test mode:802.11aFrequency(MHz):5500PeakHoriz	ontal
---	-------

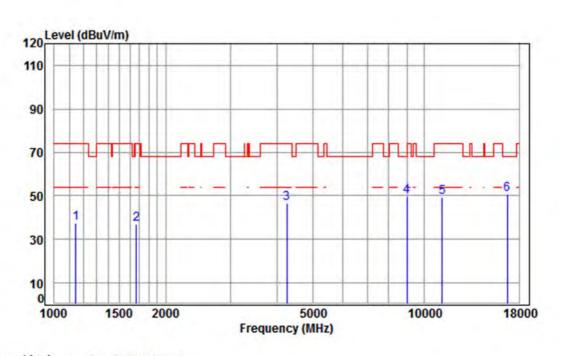


100	e : 550	0 17	RSE						
	: Ant	1 5G	WIFI 1	1A CH10	0				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	50.24	37.50	74.00	-36.50	peak
2	1370.328	5.05	25.26	41.32	49.31	38.30	74.00	-35.70	peak
3	4316.859	7.36	33.60	42.38	48.22	46.80	74.00	-27.20	peak
4	pp 8995.123	10.40	36.59	38.62	43.21	51.58	68.20	-16.62	peak
5	11000.000	11.63	37.70	37.88	37.79	49.24	74.00	-24.76	peak
6	16500.000	14.50	42.70	39.86	31.72	49.06	68.20	-19.14	peak



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Test mode: 802.1	11a Frequency(MHz):	5580	Peak	Vertical
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Condition:	3m VERTICAL
Job No :	2939RG

Mode

: 5580 TX RSE : Ant 1 5G WIFI 11A CH116

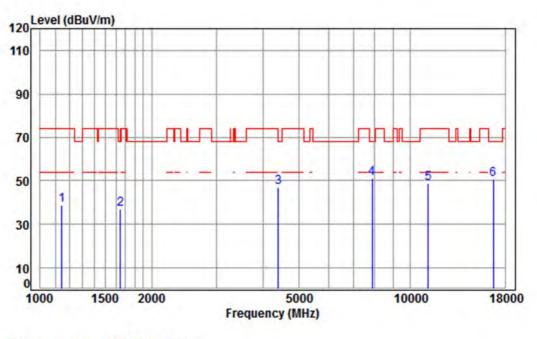
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	50.32	37.58	74.00	-36.42	peak
2	1667.951	5.27	26.54	41.51	46.85	37.15	74.00	-36.85	peak
3	4254.921	7.28	33.60	42.37	48.20	46.71	74.00	-27.29	peak
4	8969.161	10.39	36.56	38.66	41.65	49.94	68.20	-18.26	peak
5									
5	pp16740.000	15.57	42.75	40.07	32.55	50.80	68.20	-17.40	peak

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Test mode:802.11aFrequency(MHz):5580Peak	Horizontal
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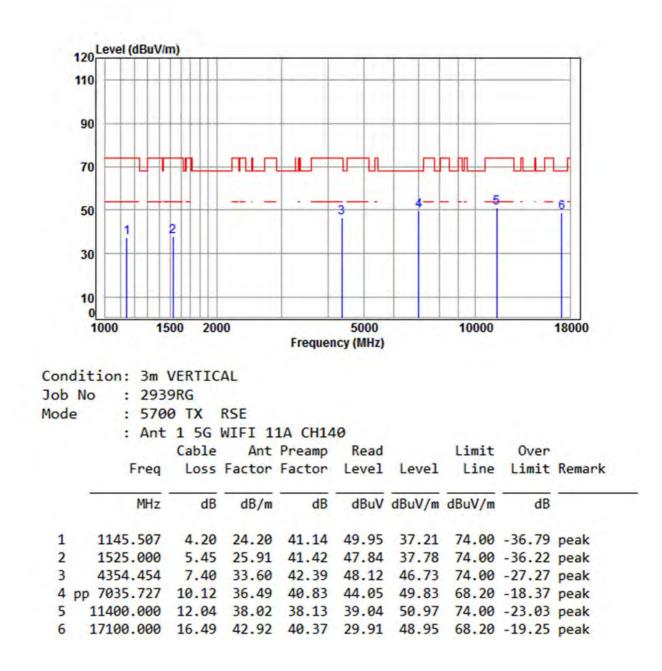
Condit	ion: 3m	HORIZO	NTAL						
Job No	: 293	9RG							
Mode	: 558	0 TX	RSE						
	: Ant	1 5G	WIFI 1	1A CH11	6				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	51.47	38.73	74.00	-35.27	peak
2	1640 770	F 20	20 40	44 50	10 00	77 44	CO 20	74 00	

2	1648.778	5.29	26.46	41.50	46.86	37.11	68.20	-31.09 p	peak
3	4392.376	7.44	33.60	42.40	48.24	46.88	74.00	-27.12	peak
4	pp 7875.254	9.96	36.53	40.28	44.69	50.90	68.20	-17.30 p	peak
5	11160.000	11.80	37.83	37.98	37.28	48.93	74.00	-25.07	peak
6	16740.000	15.57	42.75	40.07	32.37	50.62	68.20	-17.58 p	peak



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Test mode: 802.11a Frequency(MHz):	5700	Peak	Vertical
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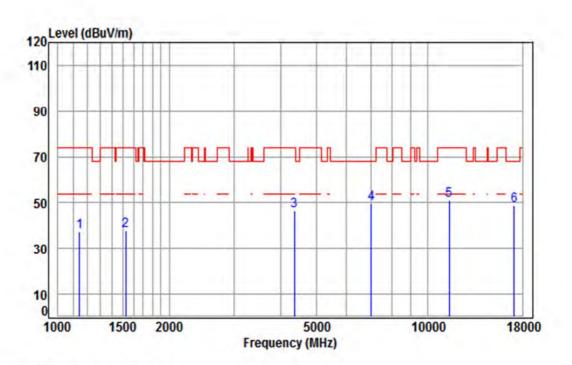


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Test mode: 802.11a Frequency(MHz): 5700 Peak Hor	orizontal
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Condition:	3m	VERTICAL

J	ob	No	:	2939RG

Mode	:	5700	TX	RSE

: Ant 1 5G WIFI 11A CH140

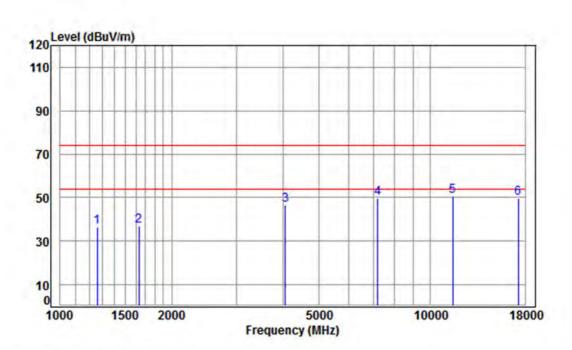
	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1145.507	4.20	24.20	41.14	49.95	37.21	74.00	-36.79	peak
2	1525.000	5.45	25.91	41.42	47.84	37.78	74.00	-36.22	peak
3	4354.454	7.40	33.60	42.39	48.12	46.73	74.00	-27.27	peak
4	pp 7035.727	10.12	36.49	40.83	44.05	49.83	68.20	-18.37	peak
5	11400.000	12.04	38.02	38.13	39.04	50.97	74.00	-23.03	peak
6	17100.000	16.49	42.92	40.37	29.91	48.95	68.20	-19.25	peak

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Test mode:802.11aFrequency(MHz):5745Peak	Vertical
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Condition:	3m VERTICAL
Job No :	2939RG
Mode :	5745 TX RSE

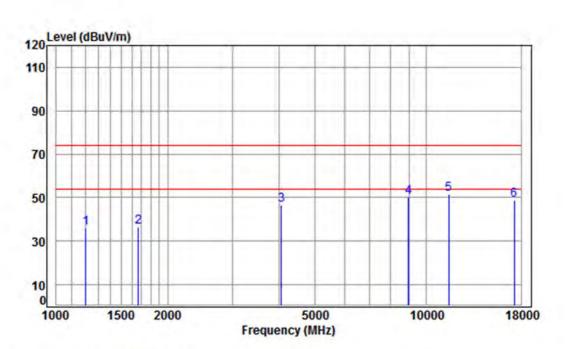
: Ant 1 5G WIFI 11A CH149

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.65	24.77	41.23	48.15	36.34	74.00	-37.66	peak
2	1634.543	5.31	26.40	41.49	46.66	36.88	74.00	-37.12	peak
3	4062.629	7.06	33.60	42.34	48.27	46.59	74.00	-27.41	peak
4	7200.309	10.08	36.42	40.72	44.18	49.96	74.00	-24.04	peak
5	pp11490.000	12.13	38.09	38.19	38.74	50.77	74.00	-23.23	peak
6	17235.000	16.18	43.08	40.48	30.97	49.75	74.00	-24.25	peak



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lest mode: 802.11a Frequency(MHz): 5745 Peak Horizontal	Test mode:	802.11a	Frequency(MHz):	5745	Peak	Horizontal
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Conditio	n:	3m HC	RIZ	ONTAL	
Job No	:	2939R	G		
Mode		5745	TX	RSE	

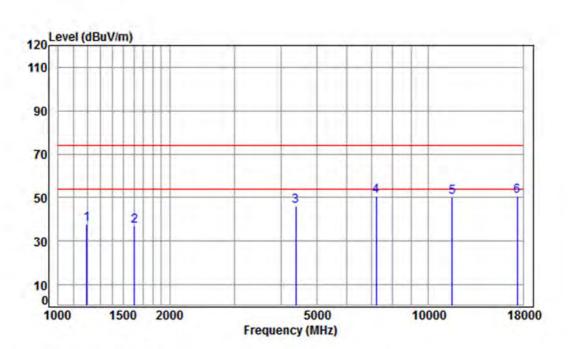
: Ant 1 5G WIFI 11A CH149

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	48.51	36.24	74.00	-37.76	peak
2	1667.951	5.27	26.54	41.51	46.22	36.52	74.00	-37.48	peak
3	4062.629	7.06	33.60	42.34	48.33	46.65	74.00	-27.35	peak
4	8943.274	10.39	36.53	38.70	41.99	50.21	74.00	-23.79	peak
5	pp11490.000	12.13	38.09	38.19	39.33	51.36	74.00	-22.64	peak
6	17235.000	16.18	43.08	40.48	30.12	48.90	74.00	-25.10	peak



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	Test mode:	802.11a	Frequency(MHz):	5785	Peak	Vertical
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Condition:	3m VERTICAL
Job No :	2939RG
Mode :	5785 TX RSE

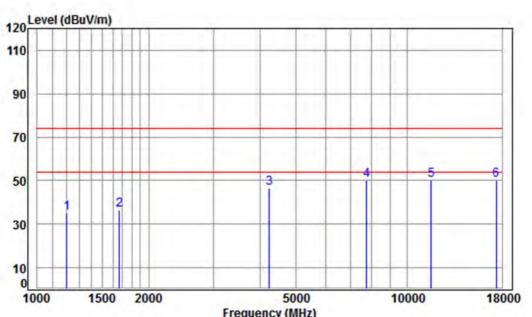
: Ant 1 5G WIFI 11A CH157

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	41.18	50.06	37.74	74.00	-36.26	peak
2	1606.441	5.34	26.28	41.47	46.81	36.96	74.00	-37.04	peak
3	4379.699	7.43	33.60	42.40	47.58	46.21	74.00	-27.79	peak
4	pp 7221.150	10.07	36.41	40.70	44.82	50.60	74.00	-23.40	peak
5	11570.000	12.17	38.17	38.24	38.13	50.23	74.00	-23.77	peak
6	17355.000	15.92	43.23	40.58	31.97	50.54	74.00	-23.46	peak



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Test mode: 802.11a Frequency(MHz):	5785	Peak	Horizontal
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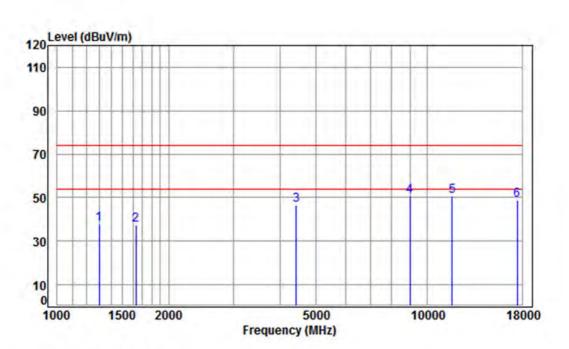


				riequei	icy (winz)				
Con	dition: 3m	HORIZO	NTAL						
Job	No : 293	9RG							
Mod	e : 578	5 TX	RSE						
	: Ant	1 5G	WIFI 1	1A CH15	57				
		Cable		Preamp	Read		Limit	Over	
	Freq	Loss		Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	47.63	35.36	74.00	-38.64	peak
2	1667.951	5.27	26.54	41.51	46.31	36.61	74.00	-37.39	peak
3	4230.396	7.26	33.60	42.37	47.93	46.42	74.00	-27.58	peak
4	7762.260	9.97	36.46	40.35	43.92	50.00	74.00	-24.00	peak
5	11570.000	12.17	38.17	38.24	38.25	50.35	74.00	-23.65	peak
6	pp17355.000	15.92	43.23	40.58	31.84	50.41	74.00	-23.59	peak



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Test mode:802.11aFrequency(MHz):5825PeakVertical
--



Condition:	3m VERTICAL
Job No :	2939RG
Mode :	5825 TX RSE

: Ant 1 5G WIFI 11A CH165

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	41.26	49.31	37.78	74.00	-36.22	peak
2	1634.543	5.31	26.40	41.49	47.11	37.33	74.00	-36.67	peak
3	4417.841	7.47	33.60	42.40	47.67	46.34	74.00	-27.66	peak
4	8969.161	10.39	36.56	38.66	42.39	50.68	74.00	-23.32	peak
5	pp11650.000	12.20	38.25	38.29	38.67	50.83	74.00	-23.17	peak
6	17475.000	15.65	43.37	40.68	30.43	48.77	74.00	-25.23	peak



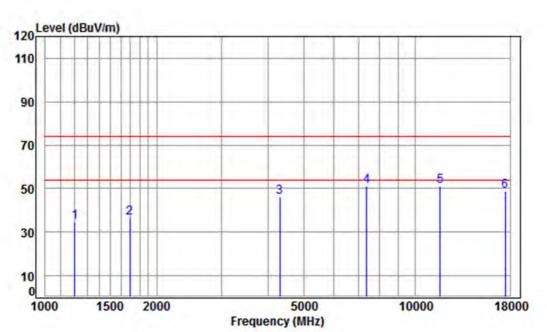
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Over

dB

Limit Remark

Test mode: 802.11a Frequency(MHz):	5825	Peak	Horizontal
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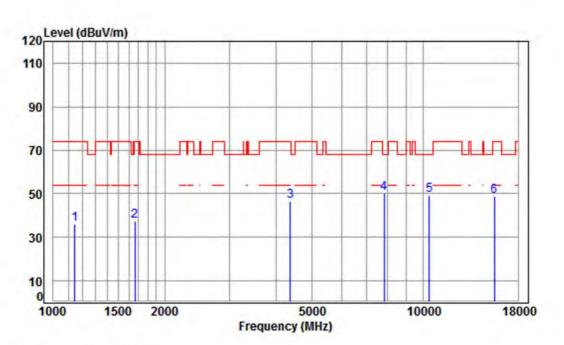
Condit	tion: 3m H	ORIZO	NTAL				
Job No	: 2939	ORG					
Mode	: 5825	5 TX	RSE				
	: Ant	1 5G	WIFI 1	1A CH16	5		
		Cable	Ant	Preamp	Read		Limit
	Freq	Loss	Factor	Factor	Level	Level	Line
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
	1000 100				17 00	24.00	74.00

1	1203.199	4.43	24.49	41.19	47.09	34.82	74.00	-39.18	peak
2	1692.231	5.24	26.64	41.53	45.96	36.31	74.00	-37.69	peak
3	4304.400	7.34	33.60	42.38	47.72	46.28	74.00	-27.72	peak
4	7390.070	10.03	36.34	40.59	45.13	50.91	74.00	-23.09	peak
5	pp11650.000	12.20	38.25	38.29	38.83	50.99	74.00	-23.01	peak
6	17475.000	15.65	43.37	40.68	30.29	48.63	74.00	-25.37	peak



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Test mode:802.11n(HT20)Frequency(MHz):5180PeakVertical
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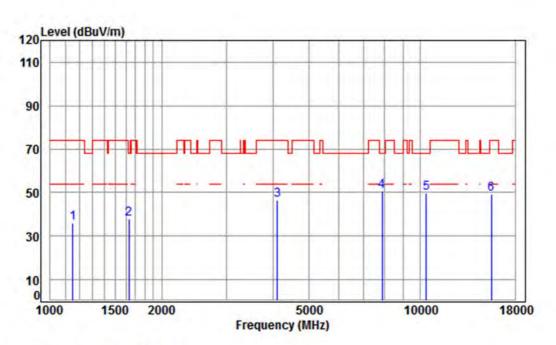


Job	dition: 3m No : 293	ØRG							
lod		D TX							
	: Ant			1N CH36	Read		Linte	0	
	Freq	Cable Loss		Preamp Factor		Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	48.66	35.92	74.00	-38.08	peak
2	1663.137	5.27	26.52	41.51	47.05	37.33	74.00	-36.67	peak
3	4367.058	7.41	33.60	42.39	47.74	46.36	74.00	-27.64	peak
4	pp 7829.860	9.97	36.50	40.31	44.11	50.27	68.20	-17.93	peak
5	10360.000	11.19	37.24	37.45	38.20	49.18	68.20	-19.02	peak
6	15540.000	14.30	41.38	39.00	32.28	48.96	74.00	-25.04	peak



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Test mode:802.11n(HT20)Frequency(MHz):5180PeakHorizontal
--

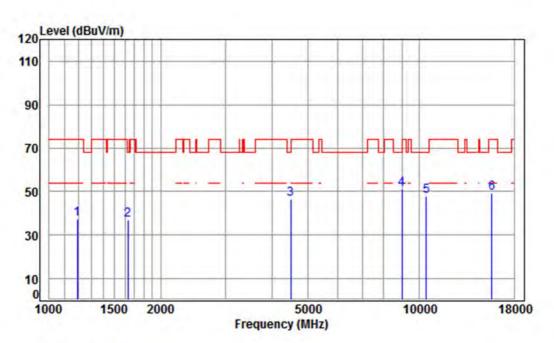


	dition: 3m		NTAL							
Job	No : 293	9RG								
Mode	: 518	0 TX	RSE							
	: Ant	1 5G	WIFI 1	1N CH36						
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-	_
1	1152.148	4.22	24.24	41.14	48.73	36.05	74.00	-37.95	peak	
2	1629.825	5.31	26.38	41.49	47.78	37.98	68.20	-30.22	peak	
3	4109.872	7.11	33.60	42.35	48.09	46.45	74.00	-27.55	peak	
4	pp 7875.254	9.96	36.53	40.28	44.45	50.66	68.20	-17.54	peak	
5	10360.000	11.19	37.24	37.45	38.95	49.93	68.20	-18.27	peak	
6	15540.000	14.30	41.38	39.00	32.56	49.24	74.00	-24.76	peak	



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Test mode:802.11n(HT20)Frequency(MHz):5220PeakVertical
--

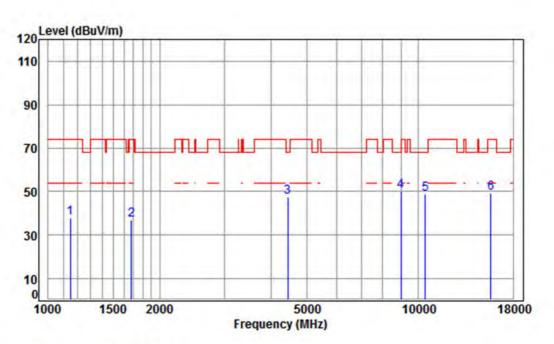


Job		2939RG							
Mod		5220 TX	RSE						
	: 4	Ant 1 5G	WIFI 1	1N CH44					
		Cable	Ant	Preamp	Read		Limit	Over	
	Fr	eq Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	м	Hz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8	11 4.39	24.44	41.18	49.97	37.62	74.00	-36.38	peak
2	1629.8	25 5.31	26.38	41.49	46.77	36.97	68.20	-31.23	peak
3	4495.1	25 7.55	33.60	42.42	47.94	46.67	68.20	-21.53	peak
4	pp 8969.1	61 10.39	36.56	38.66	42.67	50.96	68.20	-17.24	peak
5	10440.0	00 11.25	37.16	37.51	37.23	48.13	68.20	-20.07	peak
6	15660.0	00 14.48	41.34	39.11	32.48	49.19	74.00	-24.81	peak



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Test mode:802.11n(HT20)Frequency(MHz):5220PeakHorizontal
--

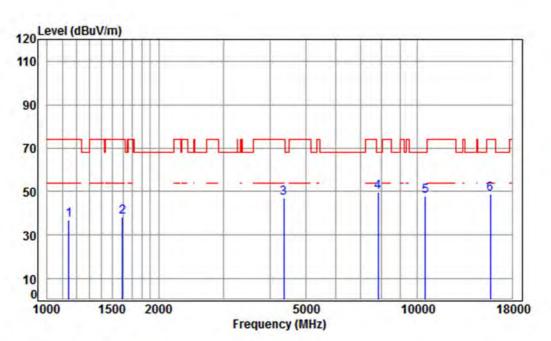


		3m HORIZO 2939RG 5220 TX							
		Ant 1 5G Cable eq Loss	Ant	1N CH44 Preamp Factor	Read		Limit Line	Over Limit	Remark
	м	Hz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.8	23 4.21	24.22	41.14	50.38	37.67	74.00	-36.33	peak
2	1677.6	21 5.25	26.58	41.52	46.48	36.79	74.00	-37.21	peak
3	4443.4	53 7.50	33.60	42.41	48.61	47.30	68.20	-20.90	peak
4	pp 8969.1	61 10.39	36.56	38.66	42.01	50.30	68.20	-17.90	peak
5	10440.0	00 11.25	37.16	37.51	38.00	48.90	68.20	-19.30	peak
6	15660.0	00 14.48	41.34	39.11	32.69	49.40	74.00	-24.60	peak



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Test mode:802.11n(HT20)Frequency(MHz):5240PeakVertical
--

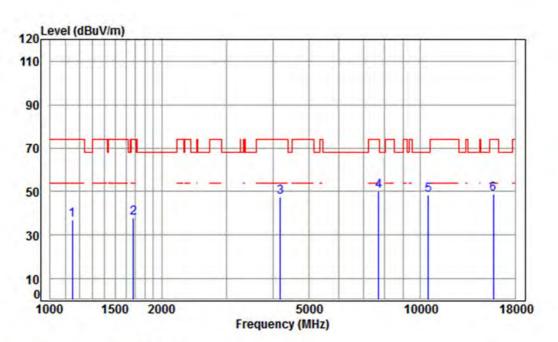


Job 1od	e : 52	39RG 40 TX t 1 5G	RSE	11 0449					
	: An Free	Cable	Ant	Preamp Factor	Read	Level	Limit Line	Over Limit	Remark
	MH2	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-
1	1145.50	4.20	24.20	41.14	49.50	36.76	74.00	-37.24	peak
2	1597.181	5.35	26.24	41.47	48.18	38.30	74.00	-35.70	peak
3	4354.454	7.40	33.60	42.39	48.52	47.13	74.00	-26.87	peak
4	pp 7829.860	9.97	36.50	40.31	43.67	49.83	68.20	-18.37	peak
5	10480.000	11.28	37.12	37.53	36.98	47.85	68.20	-20.35	peak
6	15720.000	14.57	41.31	39.17	32.22	48.93	74.00	-25.07	peak



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Test mode:802.11n(HT20)Frequency(MHz):5240PeakHorizontal
--

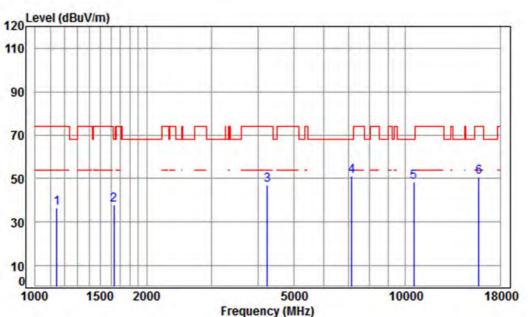


Con	dition:	3m H	ORIZO	NTAL						
Job	No :	2939	RG							
Mod	e :	5240	TX	RSE						
	:	Ant	1 5G	WIFI 1	1N CH48					
			Cable	Ant	Preamp	Read		Limit	Over	
	F	req	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.	823	4.21	24.22	41.14	49.86	37.15	74.00	-36.85	peak
2	1677.0	621	5.25	26.58	41.52	47.68	37.99	74.00	-36.01	peak
3	4181.	768	7.20	33.60	42.36	49.13	47.57	74.00	-26.43	peak
4	7717.	518	9.98	36.43	40.38	44.15	50.18	74.00	-23.82	peak
5	pp10480.0	000	11.28	37.12	37.53	37.59	48.46	68.20	-19.74	peak
6	15720.0	000	14.57	41.31	39.17	31.93	48.64	74.00	-25.36	peak



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Test mode:802.11n(HT20)Frequency(MHz):5260PeakVertical
--

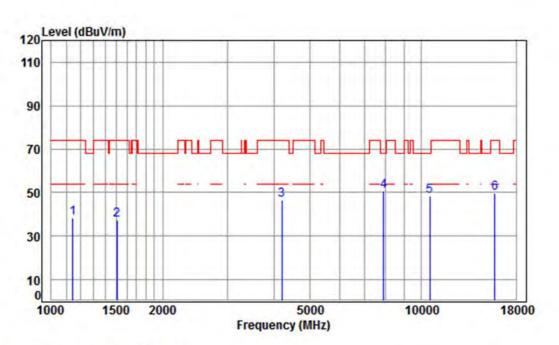


					riequen	c) (minz)				
Con	diti	ion: 3m	VERTIC	AL						
Job	No	: 293	9RG							
Mod	e	: 526	0 TX	RSE						
		: Ant	1 5G	WIFI 1	1N CH52					
			Cable	Ant	Preamp	Read		Limit	Over	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1145.507	4.20	24.20	41.14	49.09	36.35	74.00	-37.65	peak
2		1629.825	5.31	26.38	41.49	47.45	37.65	68.20	-30.55	peak
3		4230.396	7.26	33.60	42.37	48.58	47.07	74.00	-26.93	peak
4	pp :	7158.806	10.09	36.43	40.74	45.29	51.07	68.20	-17.13	peak
5	10	0520.000	11.30	37.12	37.56	37.69	48.55	68.20	-19.65	peak
6	1	5780.000	14.66	41.29	39.22	33.95	50.68	74.00	-23.32	peak



Report No.: SZEM180200138702 Page: 54 of 818

Test mode:802.11n(HT20)Frequency(MHz):5260PeakHorizontal
--

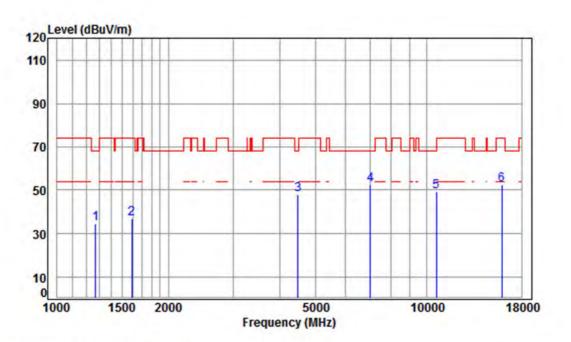


		HORIZO 39RG 260 TX							
lou		t 1 5G	Sec. 2	1N CH52					
	. A	Cable		Preamp	Read		Limit	Over	
	Fre			Factor				1.1.7	Remark
	MH	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.50	7 4.20	24.20	41.14	50.91	38.17	74.00	-35.83	peak
2	1507.47	0 5.47	25.83	41.41	47.57	37.46	74.00	-36.54	peak
3	4193.87	2 7.21	33.60	42.36	48.17	46.62	74.00	-27.38	peak
4	pp 7898.04	9 9.96	36.54	40.26	44.63	50.87	68.20	-17.33	peak
5	10520.00	0 11.30	37.12	37.56	37.65	48.51	68.20	-19.69	peak
6	15780.00	0 14.66	41.29	39.22	33.23	49.96	74.00	-24.04	peak



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Test mode:802.11n(HT20)Frequency(MHz):5300PeakVertical
--



Condition:	3m VERTICAL

Job No	:	2939RG		
Mode	:	5300 TX RSE		
		Ant 1 5G WIFT	11N20	1

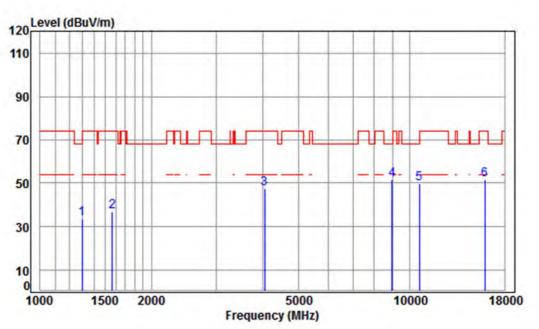
: Ant 1 5G WIFI 11N20 CH60 Cable Ant Preamp Read Limit Over

	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	41.24	46.53	34.80	68.20	-33.40	peak
2	1592.571	5.36	26.22	41.47	47.07	37.18	74.00	-36.82	peak
3	4482.150	7.54	33.60	42.41	49.16	47.89	68.20	-20.31	peak
4	pp 7035.727	10.12	36.49	40.83	46.78	52.56	68.20	-15.64	peak
5	10600.000	11.36	37.22	37.62	38.09	49.05	68.20	-19.15	peak
6	15900.000	14.84	41.24	39.33	35.75	52.50	74.00	-21.50	peak



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Test mode:802.11n(HT20)Frequency(MHz):5300PeakHorizontal
--

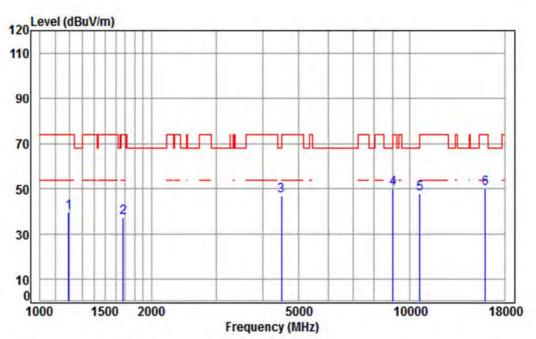


Con	dition: 3m	HORIZO	NTAL							
Job	No : 293	9RG								
Mod	e : 530	0 TX R	SE							
	: Ant	1 5G	WIFI 1	1N20 CH	160					
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	1297.103	4.79	24.94	41.26	45.48	33.95	68.20	-34.25	peak	
2	1569.721	5.39	26.12	41.45	46.72	36.78	74.00	-37.22	peak	
3	4039.212	7.03	33.60	42.33	49.04	47.34	74.00	-26.66	peak	
4	pp 8943.274	10.39	36.53	38.70	43.19	51.41	68.20	-16.79	peak	
5	10600.000	11.36	37.22	37.62	38.87	49.83	68.20	-18.37	peak	
6	15900.000	14.84	41.24	39.33	34.60	51.35	74.00	-22.65	peak	



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Test mode: 802.11n(HT20)	Frequency(MHz):	5320	Peak	Vertical
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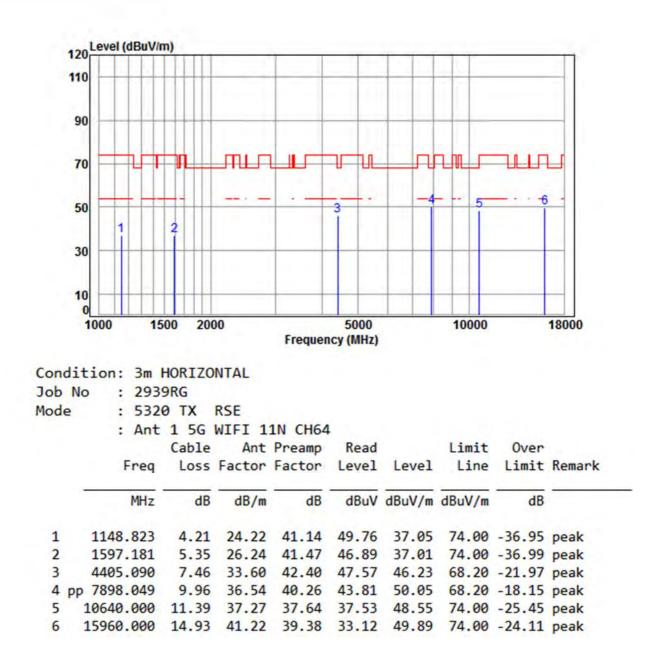


dition:	3m \	VERTIC	AL						
No :	293	9RG							
e :	5320	о тх	RSE						
				1N CH64					
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1196	.264	4.40	24.46	41.18	52.11	39.79	74.00	-34.21	peak
1677	.621	5.25	26.58	41.52	47.14	37.45	74.00	-36.55	peak
4495	.125	7.55	33.60	42.42	48.07	46.80	68.20	-21.40	peak
pp 8995	.123	10.40	36.59	38.62	41.82	50.19	68.20	-18.01	peak
10640	.000	11.39	37.27	37.64	36.84	47.86	74.00	-26.14	peak
15060	000	14.93	11 22	20 20	22 20	EQ OF	74 00	22 05	nook
	No : e : 1196 1677 4495 pp 8995 10640	No : 2939 e : 5320 : Ant Freq MHz 1196.264 1677.621 4495.125 pp 8995.123	No : 2939RG e : 5320 TX : Ant 1 5G Cable Freq Loss MHz dB 1196.264 4.40 1677.621 5.25 4495.125 7.55 pp 8995.123 10.40 10640.000 11.39	e : 5320 TX RSE : Ant 1 5G WIFI 1 Cable Ant Freq Loss Factor MHz dB dB/m 1196.264 4.40 24.46 1677.621 5.25 26.58 4495.125 7.55 33.60 pp 8995.123 10.40 36.59 10640.000 11.39 37.27	No : 2939RG e : 5320 TX RSE : Ant 1 5G WIFI 11N CH64 Cable Ant Preamp Freq Loss Factor Factor MHz dB dB/m dB 1196.264 4.40 24.46 41.18 1677.621 5.25 26.58 41.52 4495.125 7.55 33.60 42.42 pp 8995.123 10.40 36.59 38.62 10640.000 11.39 37.27 37.64	No : 2939RG e : 5320 TX RSE : Ant 1 5G WIFI 11N CH64 Cable Ant Preamp Read Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1196.264 4.40 24.46 41.18 52.11 1677.621 5.25 26.58 41.52 47.14 4495.125 7.55 33.60 42.42 48.07 pp 8995.123 10.40 36.59 38.62 41.82 10640.000 11.39 37.27 37.64 36.84	No : 2939RG e : 5320 TX RSE : Ant 1 5G WIFI 11N CH64 Cable Ant Preamp Read Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1196.264 4.40 24.46 41.18 52.11 39.79 1677.621 5.25 26.58 41.52 47.14 37.45 4495.125 7.55 33.60 42.42 48.07 46.80 pp 8995.123 10.40 36.59 38.62 41.82 50.19 10640.000 11.39 37.27 37.64 36.84 47.86	No : 2939RG e : 5320 TX RSE : Ant 1 5G WIFI 11N CH64 Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1196.264 4.40 24.46 41.18 52.11 39.79 74.00 1677.621 5.25 26.58 41.52 47.14 37.45 74.00 4495.125 7.55 33.60 42.42 48.07 46.80 68.20 pp 8995.123 10.40 36.59 38.62 41.82 50.19 68.20 10640.000 11.39 37.27 37.64 36.84 47.86 74.00	No : 2939RG e : 5320 TX RSE : Ant 1 5G WIFI 11N CH64 Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 1196.264 4.40 24.46 41.18 52.11 39.79 74.00 -34.21 1677.621 5.25 26.58 41.52 47.14 37.45 74.00 -36.55 4495.125 7.55 33.60 42.42 48.07 46.80 68.20 -21.40 pp 8995.123 10.40 36.59 38.62 41.82 50.19 68.20 -18.01 10640.000 11.39 37.27 37.64 36.84 47.86 74.00 -26.14



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Test mode: 802.11n(HT20) Frequency(MHz):	5320	Peak	Horizontal
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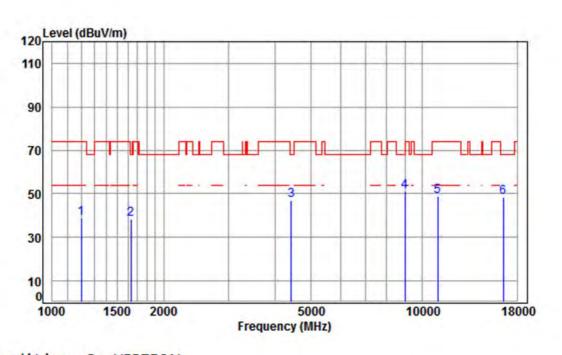


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Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Peak	Vertical
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Condition	:	3m VERTICAL	
Job No	:	2939RG	

Mode

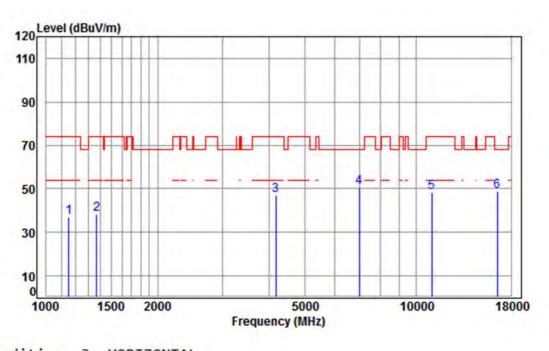
: 5500 TX RSE : Ant 1 5G WIFI 11N CH100

	Freq			Preamp Factor			Limit Line			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1199.726	4.42	24.48	41.18	50.98	38.70	74.00	-35.30	peak	
2	1634.543	5.31	26.40	41.49	48.16	38.38	68.20	-29.82	peak	
3	4417.841	7.47	33.60	42.40	48.25	46.92	68.20	-21.28	peak	
4	pp 8969.161	10.39	36.56	38.66	42.61	50.90	68.20	-17.30	peak	
5	11000.000	11.63	37.70	37.88	37.37	48.82	74.00	-25.18	peak	
6	16500.000	14.50	42.70	39.86	31.21	48.55	68.20	-19.65	peak	



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Test mode: 802.	2.11n(HT20) Frequency(MHz	z): 5500	Peak	Horizontal
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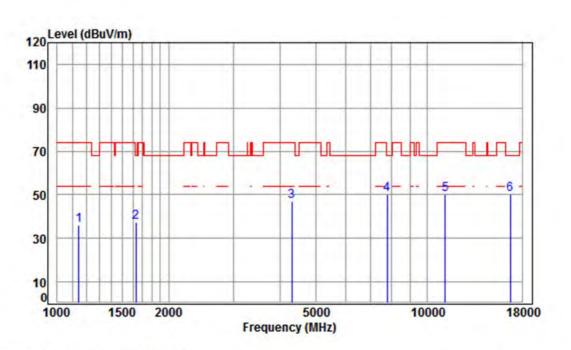
Condition	:	3m HORIZONTAL
Job No	:	2939RG
Mode	:	5500 TX RSE

•	2200	,		NDL	
	Ant	1	5G	WTFT	

	Freq	Cable Loss		Preamp Factor	Read Level		Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1152.148	4.22	24.24	41.14	49.60	36.92	74.00	-37.08	peak
2	1370.328	5.05	25.26	41.32	49.15	38.14	74.00	-35.86	peak
3	4169.698	7.18	33.60	42.36	48.54	46.96	74.00	-27.04	peak
4 F	p 7015.420	10.13	36.49	40.84	44.97	50.75	68.20	-17.45	peak
5	11000.000	11.63	37.70	37.88	36.94	48.39	74.00	-25.61	peak
6	16500.000	14.50	42.70	39.86	31.46	48.80	68.20	-19.40	peak



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Condition:	3m VERTICAL
Job No :	2939RG

Mode

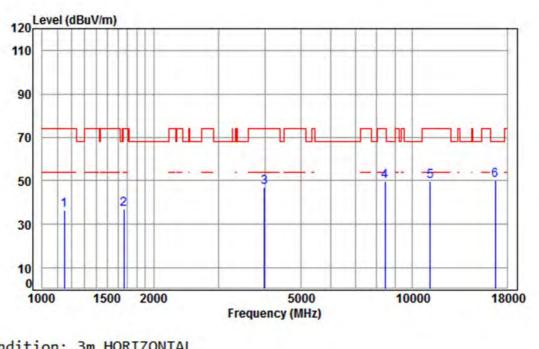
: 2939RG : 5580 TX RSE : Ant 1 5G WIFI 11N CH116

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	48.83	36.09	74.00	-37.91	peak
2	1629.825	5.31	26.38	41.49	47.16	37.36	68.20	-30.84	peak
3	4304.400	7.34	33.60	42.38	48.47	47.03	74.00	-26.97	peak
4	7784.729	9.97	36.47	40.33	44.14	50.25	68.20	-17.95	peak
5	11160.000	11.80	37.83	37.98	38.68	50.33	74.00	-23.67	peak
6	pp16740.000	15.57	42.75	40.07	32.07	50.32	68.20	-17.88	peak



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Test mode: 802.	2.11n(HT20) Frequency(MHz):	5580	Peak	Horizontal
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Condition:	3m HORIZONTAL
Job No :	2939RG
Mode :	5580 TX RSE

:

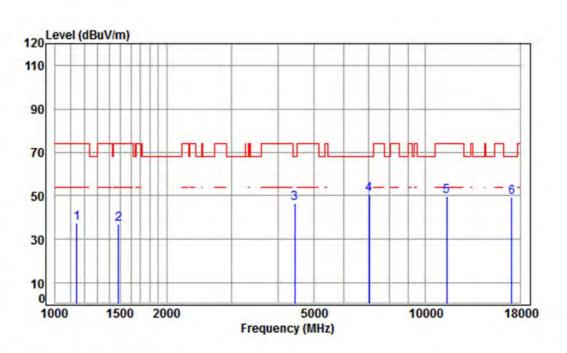
Ant	1	50	WTET	11M	CH116
Ant	1	56	MIFI	TTN	CH116

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.823	4.21	24.22	41.14	49.25	36.54	74.00	-37.46	peak
2	1663.137	5.27	26.52	41.51	46.73	37.01	74.00	-36.99	peak
3	3981.257	6.96	33.55	42.32	48.76	46.95	74.00	-27.05	peak
4	8440.945	10.23	36.07	39.48	43.02	49.84	74.00	-24.16	peak
5	11160.000	11.80	37.83	37.98	38.03	49.68	74.00	-24.32	peak
6	pp16740.000	15.57	42.75	40.07	31.88	50.13	68.20	-18.07	peak



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Test mode: 802.11n(HT20	Frequency(MHz):	5700	Peak	Vertical
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Condition:	3m VERTICAL
Job No :	2939RG

Mode

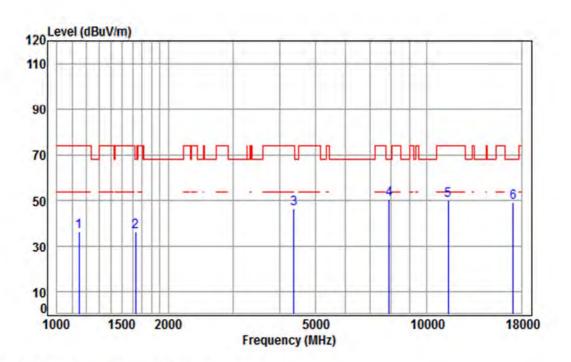
: 5700 TX RSE : Ant 1 5G WIFI 11N CH140

				Preamp	ELO		Limit	Over	
	Freq			Factor				Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	50.30	37.56	74.00	-36.44	peak
2	1481.553	5.42	25.73	41.39	47.21	36.97	74.00	-37.03	peak
3	4430.628	7.48	33.60	42.41	47.72	46.39	68.20	-21.81	peak
4	pp 7056.092	10.11	36.48	40.81	44.73	50.51	68.20	-17.69	peak
5	11400.000	12.04	38.02	38.13	37.98	49.91	74.00	-24.09	peak
6	17100.000	16.49	42.92	40.37	30.46	49.50	68.20	-18.70	peak



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Test mode: 802.11n(HT20) Frequency(MHz):	5700	Peak	Horizontal
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Condition:	3m HORIZONTAL
Job No :	2939RG

Mode	:	5700	TX	RSE
nouc	•	2100		

: Ant 1 5G WIFI 11N CH140

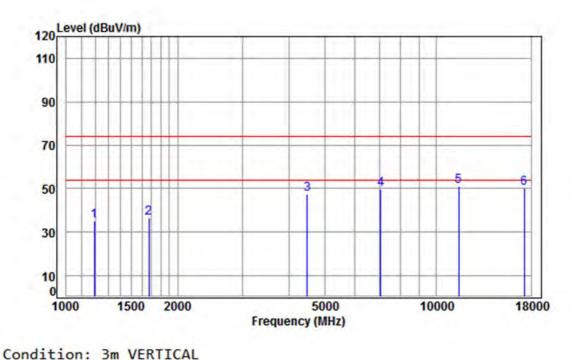
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.823	4.21	24.22	41.14	49.22	36.51	74.00	-37.49	peak
2	1634.543	5.31	26.40	41.49	46.23	36.45	68.20	-31.75	peak
3	4367.058	7.41	33.60	42.39	48.10	46.72	74.00	-27.28	peak
4	pp 7898.049	9.96	36.54	40.26	44.46	50.70	68.20	-17.50	peak
5	11400.000	12.04	38.02	38.13	38.12	50.05	74.00	-23.95	peak
6	17100.000	16.49	42.92	40.37	30.12	49.16	68.20	-19.04	peak

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Test mode:802.11n(HT20)Frequency(MHz):5745Peak	Vertical
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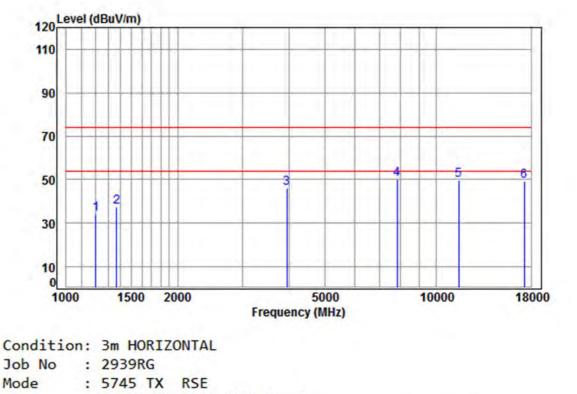


com	urcron. 5	" VLITTL							
Job	No : 29	939RG							
Mod	e : 57	745 TX	RSE						
	: Ar	nt 1 5G	WIFI 1	1N CH14	9				
		Cable	Ant	Preamp	Read		Limit	Over	
	Fre	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	МН	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.81	1 4.39	24.44	41.18	47.44	35.09	74.00	-38.91	peak
2	1672.77	9 5.26	26.56	41.52	46.40	36.70	74.00	-37.30	peak
3	4482.15	0 7.54	33.60	42.41	48.74	47.47	74.00	-26.53	peak
4	7076.51	6 10.11	36.47	40.80	44.13	49.91	74.00	-24.09	peak
5	pp11490.00	0 12.13	38.09	38.19	38.89	50.92	74.00	-23.08	peak
6	17235.00	0 16.18	43.08	40.48	31.23	50.01	74.00	-23.99	peak



Report No.: SZEM180200138702 Page: 66 of 818

Test mode: 802.11n(HT20) Frequency(MHz):	5745	Peak	Horizontal
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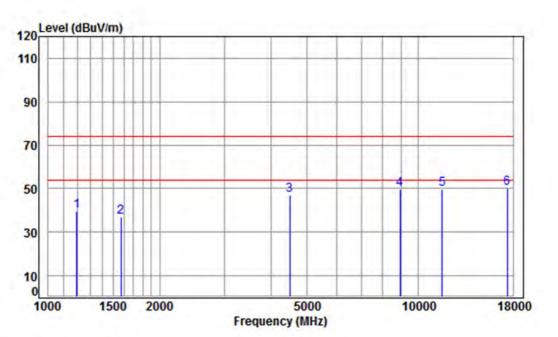
the second	-		a series and		
Ant	1	FC	MTET	11M	CH149
AIL	1	20	WILT	TTIM	CH149

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	46.54	34.27	74.00	-39.73	peak
2	1370.328	5.05	25.26	41.32	48.34	37.33	74.00	-36.67	peak
3	3946.885	6.93	33.46	42.31	48.18	46.26	74.00	-27.74	peak
4	pp 7829.860	9.97	36.50	40.31	44.16	50.32	74.00	-23.68	peak
5	11490.000	12.13	38.09	38.19	37.89	49.92	74.00	-24.08	peak
6	17235.000	16.18	43.08	40.48	30.49	49.27	74.00	-24.73	peak



Report No.: SZEM180200138702 Page: 67 of 818

Test mode:802.11n(HT20)Frequency(MHz):5785Peak	Vertical
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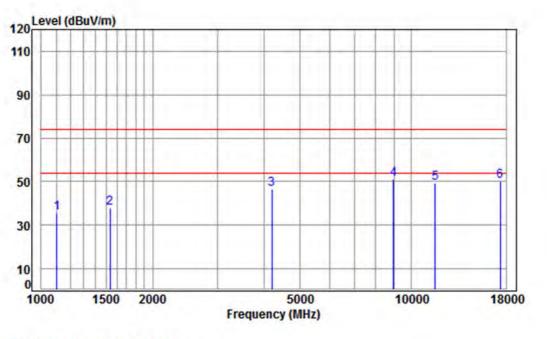


Job	No : 293								
lode	: 578	5 TX	RSE						
	: Ant	1 5G	WIFI 1	1N CH15	7				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	41.18	52.19	39.87	74.00	-34.13	peak
2	1574.265	5.38	26.14	41.45	47.09	37.16	74.00	-36.84	peak
3	4495.125	7.55	33.60	42.42	48.07	46.80	74.00	-27.20	peak
4	8917.462	10.38	36.50	38.74	41.65	49.79	74.00	-24.21	peak
5	11570.000	12.17	38.17	38.24	37.83	49.93	74.00	-24.07	peak
6 .	pp17355.000	15.92	43.23	40.58	31.74	50.31	74 00	-23.69	neak



Report No.: SZEM180200138702 Page: 68 of 818

Test mode: 802.11n(HT20) Frequency(MHz):	5785	Peak	Horizontal
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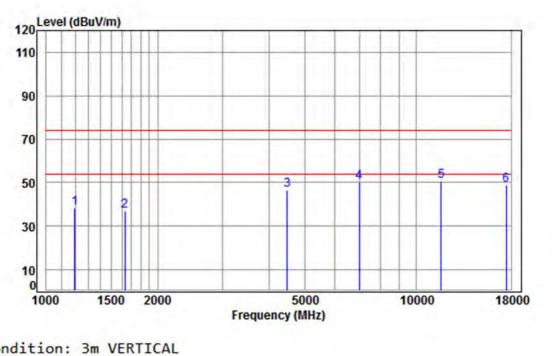


ion: 3m	HORIZO	NTAL						
: 293	9RG							
: 578	5 TX	RSE						
: Ant	1 5G	WIFI 1	1N CH15	57				
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1103.264	4.02	23.98	41.10	48.68	35.58	74.00	-38.42	peak
1533.841	5.44	25.96	41.43	47.82	37.79	74.00	-36.21	peak
4193.872	7.21	33.60	42.36	47.93	46.38	74.00	-27.62	peak
8943.274	10.39	36.53	38.70	42.95	51.17	74.00	-22.83	peak
11570.000	12.17	38.17	38.24	37.39	49.49	74.00	-24.51	peak
17355.000	15.92	43 33	40 50	74 47	FO 04	74 00	22 00	
	<pre> : 293 : 578 : Ant Freq MHz 1103.264 1533.841 4193.872 8943.274 11570.000 </pre>	<pre>> : 2939RG : 5785 TX : Ant 1 5G Cable Freq Loss MHz dB 1103.264 4.02 1533.841 5.44 4193.872 7.21 8943.274 10.39 11570.000 12.17</pre>	: 5785 TX RSE : Ant 1 5G WIFI 1 Cable Ant Freq Loss Factor MHz dB dB/m 1103.264 4.02 23.98 1533.841 5.44 25.96 4193.872 7.21 33.60 8943.274 10.39 36.53 11570.000 12.17 38.17	 2939RG 5785 TX RSE Ant 1 5G WIFI 11N CH15 Cable Ant Preamp Freq Loss Factor Factor MHz dB dB/m dB 1103.264 4.02 23.98 41.10 1533.841 5.44 25.96 41.43 4193.872 7.21 33.60 42.36 8943.274 10.39 36.53 38.70 11570.000 12.17 38.17 38.24 	 2939RG 5785 TX RSE Ant 1 5G WIFI 11N CH157 Cable Ant Preamp Read Freq Loss Factor Factor Level MHz dB dB/m dB dB/m dB dBuV 1103.264 4.02 23.98 41.10 48.68 1533.841 5.44 25.96 41.43 47.82 4193.872 7.21 33.60 42.36 47.93 8943.274 10.39 36.53 38.70 42.95 11570.000 12.17 38.17 38.24 37.39 	 2939RG 5785 TX RSE Ant 1 5G WIFI 11N CH157 Cable Ant Preamp Read Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1103.264 4.02 23.98 41.10 48.68 35.58 1533.841 5.44 25.96 41.43 47.82 37.79 4193.872 7.21 33.60 42.36 47.93 46.38 8943.274 10.39 36.53 38.70 42.95 51.17 11570.000 12.17 38.17 38.24 37.39 49.49 	 2939RG 5785 TX RSE Ant 1 5G WIFI 11N CH157 Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1103.264 4.02 23.98 41.10 48.68 35.58 74.00 1533.841 5.44 25.96 41.43 47.82 37.79 74.00 4193.872 7.21 33.60 42.36 47.93 46.38 74.00 8943.274 10.39 36.53 38.70 42.95 51.17 74.00 11570.000 12.17 38.17 38.24 37.39 49.49 74.00 	 2939RG 5785 TX RSE Ant 1 5G WIFI 11N CH157 Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 1103.264 4.02 23.98 41.10 48.68 35.58 74.00 -38.42 1533.841 5.44 25.96 41.43 47.82 37.79 74.00 -36.21 4193.872 7.21 33.60 42.36 47.93 46.38 74.00 -27.62 8943.274 10.39 36.53 38.70 42.95 51.17 74.00 -22.83 11570.000 12.17 38.17 38.24 37.39 49.49 74.00 -24.51



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Test mode:802.11n(HT20)Frequency(MHz):5825PeakVertice	
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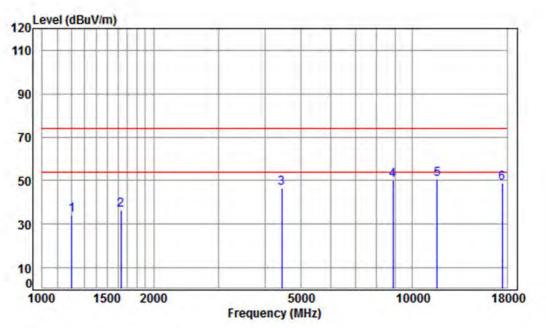


dition: 3m	VERTIC	AL						
No : 293	9RG							
e : 582	25 TX	RSE						
: Ant	1 5G	WIFI 1	1N CH16	5				
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1196.264	4.40	24.46	41.18	50.50	38.18	74.00	-35.82	peak
1629.825	5.31	26.38	41.49	46.74	36.94	74.00	-37.06	peak
4482.150	7.54	33.60	42.41	47.93	46.66	74.00	-27.34	peak
7015.420	10.13	36.49	40.84	44.43	50.21	74.00	-23.79	peak
pp11650.000	12.20	38.25	38.29	38.50	50.66	74.00	-23.34	peak
17475.000	15.65	43.37	40.68	30.59	48.93	74.00	-25.07	peak
	No : 293 e : 582 : Ant Freq MHz 1196.264 1629.825 4482.150 7015.420 pp11650.000	No : 2939RG e : 5825 TX : Ant 1 5G Cable Freq Loss MHz dB 1196.264 4.40 1629.825 5.31 4482.150 7.54 7015.420 10.13 pp11650.000 12.20	No : 2939RG e : 5825 TX RSE : Ant 1 5G WIFI 1 Cable Ant Freq Loss Factor MHz dB dB/m 1196.264 4.40 24.46 1629.825 5.31 26.38 4482.150 7.54 33.60 7015.420 10.13 36.49 pp11650.000 12.20 38.25	No : 2939RG e : 5825 TX RSE : Ant 1 5G WIFI 11N CH16 Cable Ant Preamp Freq Loss Factor Factor MHz dB dB/m dB 1196.264 4.40 24.46 41.18 1629.825 5.31 26.38 41.49 4482.150 7.54 33.60 42.41 7015.420 10.13 36.49 40.84 pp11650.000 12.20 38.25 38.29	No : 2939RG e : 5825 TX RSE : Ant 1 5G WIFI 11N CH165 Cable Ant Preamp Read Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1196.264 4.40 24.46 41.18 50.50 1629.825 5.31 26.38 41.49 46.74 4482.150 7.54 33.60 42.41 47.93 7015.420 10.13 36.49 40.84 44.43 pp11650.000 12.20 38.25 38.29 38.50	e : 5825 TX RSE : Ant 1 5G WIFI 11N CH165 Cable Ant Preamp Read Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1196.264 4.40 24.46 41.18 50.50 38.18 1629.825 5.31 26.38 41.49 46.74 36.94 4482.150 7.54 33.60 42.41 47.93 46.66 7015.420 10.13 36.49 40.84 44.43 50.21 pp11650.000 12.20 38.25 38.29 38.50 50.66	No : 2939RG e : 5825 TX RSE : Ant 1 5G WIFI 11N CH165 Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1196.264 4.40 24.46 41.18 50.50 38.18 74.00 1629.825 5.31 26.38 41.49 46.74 36.94 74.00 4482.150 7.54 33.60 42.41 47.93 46.66 74.00 7015.420 10.13 36.49 40.84 44.43 50.21 74.00 pp11650.000 12.20 38.25 38.29 38.50 50.66 74.00	No : 2939RG e : 5825 TX RSE : Ant 1 5G WIFI 11N CH165 Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 1196.264 4.40 24.46 41.18 50.50 38.18 74.00 -35.82 1629.825 5.31 26.38 41.49 46.74 36.94 74.00 -37.06 4482.150 7.54 33.60 42.41 47.93 46.66 74.00 -27.34 7015.420 10.13 36.49 40.84 44.43 50.21 74.00 -23.79 pp11650.000 12.20 38.25 38.29 38.50 50.66 74.00 -23.34



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Test mode: 802.11n(HT20) Frequency(MHz):	5825	Peak	Horizontal
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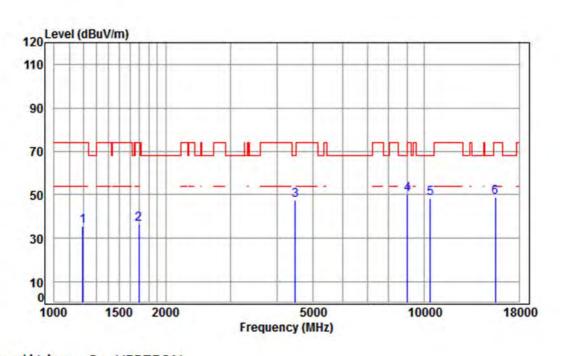


Con	dition: 3m	HORIZO	NTAL						
Job	No : 293	9RG							
lod	e : 582	5 TX	RSE						
	: Ant	1 5G	WIFI 1	1N CH16	5				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	46.58	34.31	74.00	-39.69	peak
2	1634.543	5.31	26.40	41.49	46.27	36.49	74.00	-37.51	peak
3	4430.628	7.48	33.60	42.41	48.01	46.68	74.00	-27.32	peak
4	8866.062	10.37	36.44	38.82	42.02	50.01	74.00	-23.99	peak
5	pp11650.000	12.20	38.25	38.29	38.60	50.76	74.00	-23.24	peak
6	17475.000	15.65	43.37	40.68	30.60	48.94	74.00	-25.06	peak



Report No.: SZEM180200138702 Page: 71 of 818

Test mode: 802.11ac(HT20) Frequ	ency(MHz): 5180	Peak	Vertical
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Conditi	lon:	3m VERTICAL	
Job No	:	2939RG	

Mode

123456

: 5180 TX RSE : Ant 1 5G WIFI 11AC CH36

	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	-	
	1196.264	4.40	24.46	41.18	48.01	35.69	74.00	-38.31	peak	
	1692.231	5.24	26.64	41.53	46.37	36.72	74.00	-37.28	peak	
•	4482.150	7.54	33.60	42.41	48.83	47.56	68.20	-20.64	peak	
Ļ	pp 8995.123	10.40	36.59	38.62	41.99	50.36	68.20	-17.84	peak	
,	10360.000	11.19	37.24	37.45	37.24	48.22	68.20	-19.98	peak	
,	15540.000	14.30	41.38	39.00	32.12	48.80	74.00	-25.20	peak	

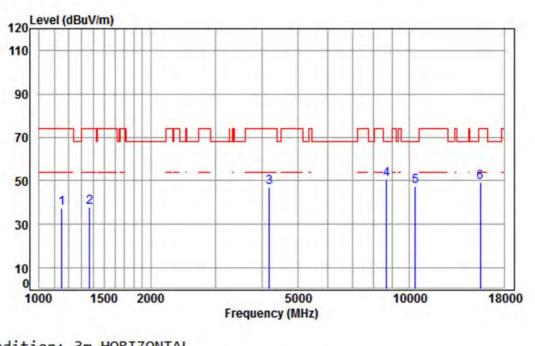


6

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180200138702 Page: 72 of 818

Test mode: 802.11ac(HT20) Frequency(MHz):	5180	Peak	Horizontal
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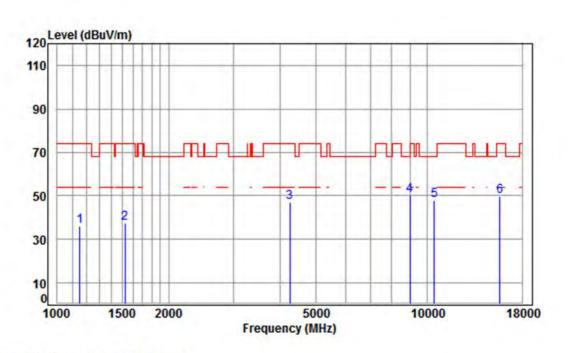
Job N	o : 293	9RG							
lode	: 518	O TX	RSE						
	: Ant	1 5G	WIFI 1	1AC CH3	6				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1152.148	4.22	24.24	41.14	50.09	37.41	74.00	-36.59	peak
2	1370.328	5.05	25.26	41.32	49.05	38.04	74.00	-35.96	peak
3	4181.768	7.20	33.60	42.36	48.55	46.99	74.00	-27.01	peak
4 pp	8663.404	10.31	36.20	39.13	43.35	50.73	68.20	-17.47	peak

15540.000 14.30 41.38 39.00 32.60 49.28 74.00 -24.72 peak



Report No.: SZEM180200138702 Page: 73 of 818

Test mode:802.11ac(HT20)Frequency(MHz):	5220	Peak	Vertical
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Conditio	n:	3m VERTICAL
Job No	:	2939RG

Mode

6

: 5220 TX RSE : Ant 1 5G WIFI 11AC CH44

	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1152.148	4.22	24.24	41.14	48.83	36.15	74.00	-37.85	peak	
2	1525.000	5.45	25.91	41.42	47.25	37.19	74.00	-36.81	peak	
3	4242.641	7.27	33.60	42.37	48.32	46.82	74.00	-27.18	peak	
4	pp 8969.161	10.39	36.56	38.66	41.71	50.00	68.20	-18.20	peak	
5	10440.000	11.25	37.16	37.51	37.09	47.99	68.20	-20.21	peak	
6	15660.000	14.48	41.34	39,11	32.88	49.59	74.00	-24.41	peak	



5

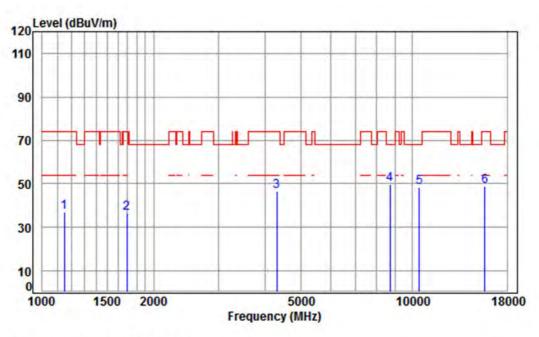
6

10440.000 11.25

SGS-CSTC Standards Technical Services Co., Ltd. **Shenzhen Branch**

Report No.: SZEM180200138702 74 of 818 Page:

Test mode: 802.11ac(HT20) Frequency(MHz):	5220	Peak	Horizontal
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ion: 3m	HORIZO	NTAL							
: 293	9RG								
: 522	0 TX	RSE							
: Ant	1 5G	WIFI 1	1AC CH4	14					
	Cable	Ant	Preamp	Read		Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1148.823	4.21	24.22	41.14	49.48	36.77	74.00	-37.23	peak	
1692.231	5.24	26.64	41.53	46.22	36.57	74.00	-37.43	peak	
4304.400	7.34	33.60	42.38	47.98	46.54	74.00	-27.46	peak	
8688.480	10.32	36.23	39.09	42.36	49.82	68.20	-18.38	peak	
	: 293 : 522 : Ant Freq MHz 1148.823 1692.231 4304.400	: 2939RG : 5220 TX : Ant 1 5G Cable Freq Loss MHz dB 1148.823 4.21 1692.231 5.24 4304.400 7.34	: 5220 TX RSE : Ant 1 5G WIFI 1 Cable Ant Freq Loss Factor MHz dB dB/m 1148.823 4.21 24.22 1692.231 5.24 26.64 4304.400 7.34 33.60	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH4 Cable Ant Preamp Freq Loss Factor Factor MHz dB dB/m dB 1148.823 4.21 24.22 41.14 1692.231 5.24 26.64 41.53 4304.400 7.34 33.60 42.38	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH44 Cable Ant Preamp Read Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1148.823 4.21 24.22 41.14 49.48 1692.231 5.24 26.64 41.53 46.22 4304.400 7.34 33.60 42.38 47.98	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH44 Cable Ant Preamp Read Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1148.823 4.21 24.22 41.14 49.48 36.77 1692.231 5.24 26.64 41.53 46.22 36.57 4304.400 7.34 33.60 42.38 47.98 46.54	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH44 Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1148.823 4.21 24.22 41.14 49.48 36.77 74.00 1692.231 5.24 26.64 41.53 46.22 36.57 74.00 4304.400 7.34 33.60 42.38 47.98 46.54 74.00	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH44 Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 1148.823 4.21 24.22 41.14 49.48 36.77 74.00 -37.23 1692.231 5.24 26.64 41.53 46.22 36.57 74.00 -37.43 4304.400 7.34 33.60 42.38 47.98 46.54 74.00 -27.46	: 2939RG : 5220 TX RSE : Ant 1 5G WIFI 11AC CH44 Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dB/m dB dBuV dBuV/m dBuV/m dB 1148.823 4.21 24.22 41.14 49.48 36.77 74.00 -37.23 peak 1692.231 5.24 26.64 41.53 46.22 36.57 74.00 -37.43 peak

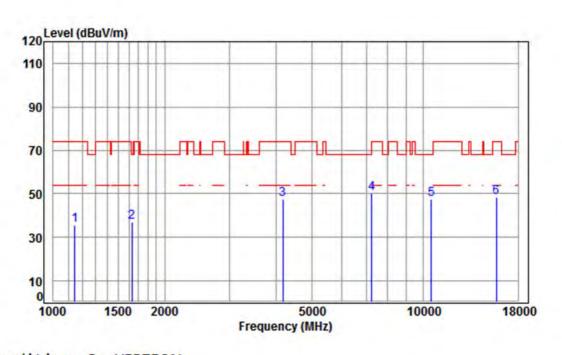
15660.000 14.48 41.34 39.11 31.98 48.69 74.00 -25.31 peak

37.16 37.51 37.29 48.19 68.20 -20.01 peak



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Test mode: 802.11ac(HT20) Frequency(MHz):	5240	Peak	Vertical
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Condition	:	3m VERTICAL
Job No	:	2939RG

Mode

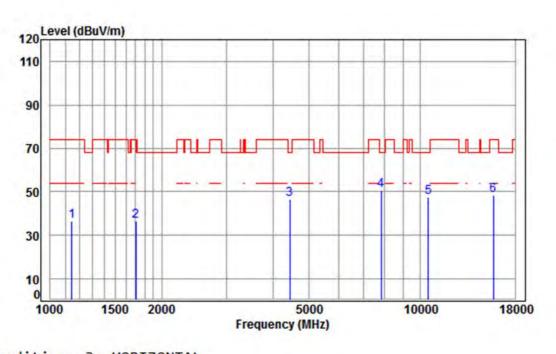
: 5240 TX RSE : Ant 1 5G WIFI 11AC CH48

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	48.52	35.78	74.00	-38.22	peak
2	1629.825	5.31	26.38	41.49	46.65	36.85	68.20	-31.35	peak
3	4169.698	7.18	33.60	42.36	49.00	47.42	74.00	-26.58	peak
4	pp 7242.052	10.07	36.40	40.69	44.49	50.27	68.20	-17.93	peak
5	10480.000	11.28	37.12	37.53	36.43	47.30	68.20	-20.90	peak
6	15720.000	14.57	41.31	39.17	31.62	48.33	74.00	-25.67	peak



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Test mode: 802.11ac(HT20) Frequency(MHz):	5240	Peak	Horizontal
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Condition:	3m HORIZONTAL
Job No :	2939RG

Mode

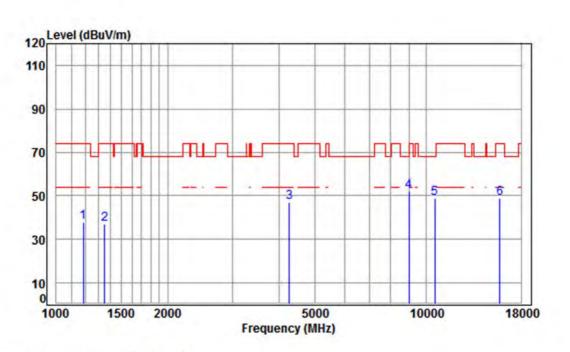
: 5240 TX RSE : Ant 1 5G WIFI 11AC CH48

	Freq			Preamp Factor		Level			Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	41.14	49.05	36.31	74.00	-37.69	peak
2	1702.042	5.23	26.68	41.53	46.15	36.53	74.00	-37.47	peak
3	4443.453	7.50	33.60	42.41	47.89	46.58	68.20	-21.62	peak
4	pp 7829.860	9.97	36.50	40.31	44.33	50.49	68.20	-17.71	peak
5	10480.000	11.28	37.12	37.53	36.62	47.49	68.20	-20.71	peak
6	15720.000	14.57	41.31	39.17	31.46	48.17	74.00	-25.83	peak



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Test mode:802.11ac(HT20)Frequency(MHz):	5260	Peak	Vertical
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Condition	:	3m VERTICAL
Job No	:	2939RG

Mode

1 2 3

: 5260 TX RSE : Ant 1 5G WIFI 11AC CH52

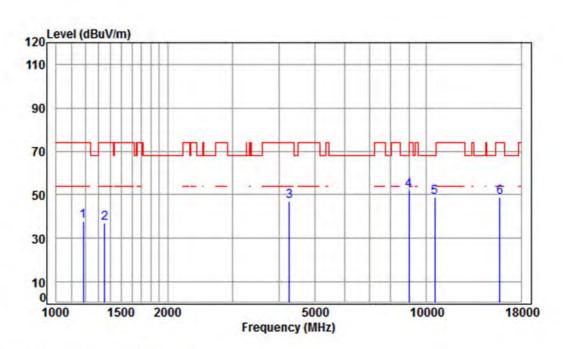
Freq			Preamp Factor					
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1185.936	4.36	24.41	41.17	50.18	37.78	74.00	-36.22	peak
1350.667	4.98	25.18	41.30	48.05	36.91	74.00	-37.09	peak
4267.237	7.30	33.60	42.38	48.28	46.80	74.00	-27.20	peak

4 pp 8969.161 10.39 36.56 38.66 43.94 52.23 68.20 -15.97 peak 5 10520.000 11.30 37.12 37.56 37.78 48.64 68.20 -19.56 peak 6 15780.000 14.66 41.29 39.22 32.25 48.98 74.00 -25.02 peak



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Test mode: 802.11ac(HT20) Frequency(MHz	z): 5260	Peak	Horizontal
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Condition:	3m VERTICAL
Job No :	2939RG

10520.000

Mode

5

6

: 5260 TX RSE : Ant 1 5G WIFI 11AC CH52

11.30

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	4.36	24.41	41.17	50.18	37.78	74.00	-36.22	peak
2	1350.667	4.98	25.18	41.30	48.05	36.91	74.00	-37.09	peak
3	4267.237	7.30	33.60	42.38	48.28	46.80	74.00	-27.20	peak
4 p	p 8969.161	10.39	36.56	38.66	43.94	52.23	68.20	-15.97	peak

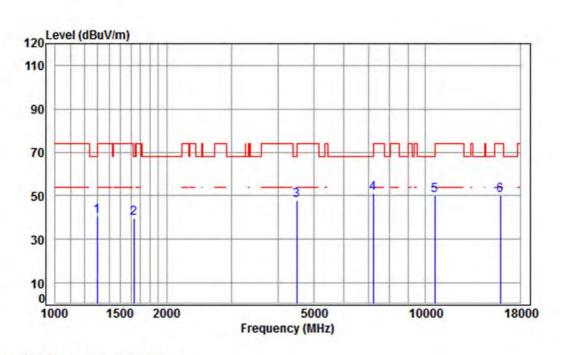
15780.000 14.66 41.29 39.22 32.25 48.98 74.00 -25.02 peak

37.12 37.56 37.78 48.64 68.20 -19.56 peak



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Test mode:802.11ac(HT20)Frequency(MHz):	5300	Peak	Vertical
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Condition	:	3m VERTICAL
Job No		2939RG

Mode

: 5300 TX RSE : Ant 1 5G WIFI 11AC CH60

	Freq			Preamp Factor			Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	52.32	40.82	74.00	-33.18	peak
2	1629.825	5.31	26.38	41.49	49.51	39.71	68.20	-28.49	peak
3	4495.125	7.55	33.60	42.42	48.97	47.70	68.20	-20.50	peak
4	pp 7221.150	10.07	36.41	40.70	45.48	51.26	68.20	-16.94	peak
5	10600.000	11.36	37.22	37.62	39.08	50.04	68.20	-18.16	peak
6	15900.000	14.84	41.24	39.33	33.62	50.37	74.00	-23.63	peak



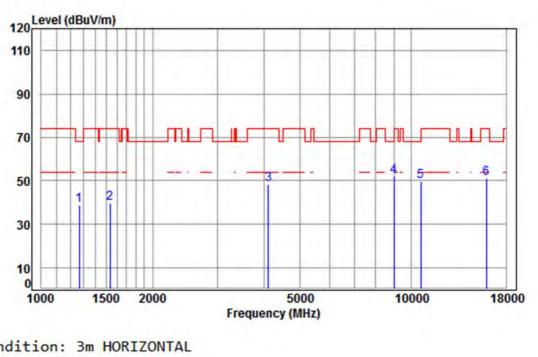
6

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50.99 74.00 -23.01 peak

Test mode: 802.11ac(HT20) Frequency(MHz):	5300	Peak	Horizontal
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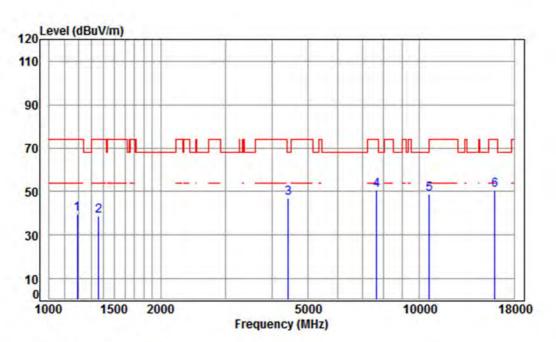


Con	dition: 3m	HORIZO	NTAL						
Job	No : 293	9RG							
Mode	e : 530	0 TX	RSE						
	: Ant	1 5G	WIFI 1	1AC CHE	0				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	41.24	50.51	38.75	68.20	-29.45	peak
2	1533.841	5.44	25.96	41.43	49.59	39.56	74.00	-34.44	peak
3	4109.872	7.11	33.60	42.35	50.03	48.39	74.00	-25.61	peak
4	pp 8969.161	10.39	36.56	38.66	43.69	51.98	68.20	-16.22	peak
5	10600.000	11.36	37.22	37.62	38.87	49.83	68.20	-18.37	peak

15900.000 14.84 41.24 39.33 34.24



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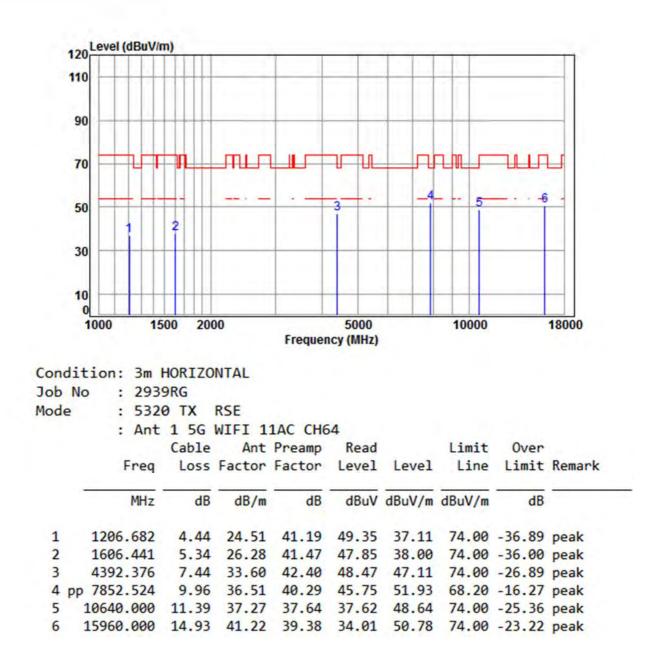


Con	dition: 3m	VERTIC	AL							
Job	No : 293	9RG								
Mod	e : 532	0 TX	RSE							
	: Ant	1 5G	WIFI 1	1AC CHE	54					
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	1192.811	4.39	24.44	41.18	52.20	39.85	74.00	-34.15	peak	
2	1362.430	5.02	25.23	41.31	49.76	38.70	74.00	-35.30	peak	
3	pp 4417.841	7.47	33.60	42.40	48.34	47.01	68.20	-21.19	peak	
4	7650.888	9.98	36.39	40.42	44.70	50.65	74.00	-23.35	peak	
5	10640.000	11.39	37.27	37.64	37.68	48.70	74.00	-25.30	peak	
6	15960.000	14.93	41.22	39.38	33.84	50.61	74.00	-23.39	peak	



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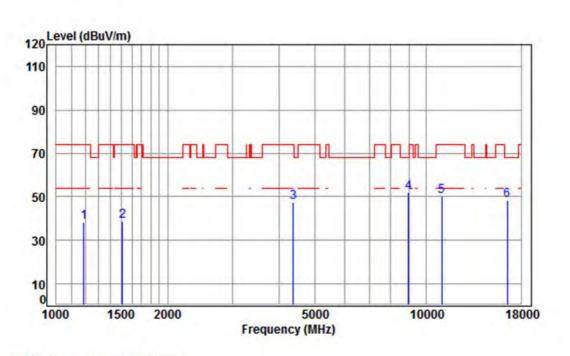
Test mode:802.11ac(HT20)Frequency(MHz):5320	Peak	Horizontal
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Test mode: 802.11ac(HT20) Frequency(MHz):	5500	Peak	Vertical
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Condition:	3m VERTICAL
Joh No :	2939RG

Mode

: 5500 TX RSE : Ant 1 5G WIFI 11AC CH100

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	4.38	24.43	41.17	50.63	38.27	74.00	-35.73	peak
2	1511.833	5.46	25.85	41.41	48.74	38.64	74.00	-35.36	peak
3	4367.058	7.41	33.60	42.39	48.63	47.25	74.00	-26.75	peak
4	pp 8943.274	10.39	36.53	38.70	43.64	51.86	68.20	-16.34	peak
5	11000.000	11.63	37.70	37.88	38.53	49.98	74.00	-24.02	peak
6	16500.000	14.50	42.70	39.86	31.02	48.36	68.20	-19.84	peak

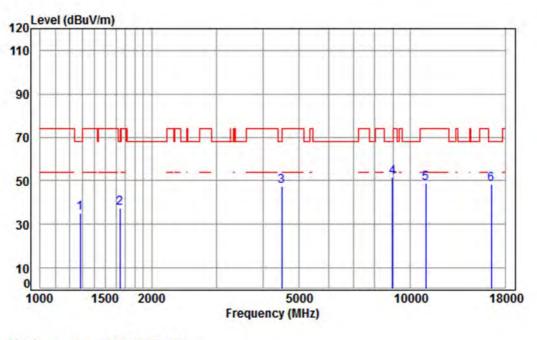


6

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Test mode: 80	02.11ac(HT20)	Frequency(MHz):	5500	Peak	Horizontal
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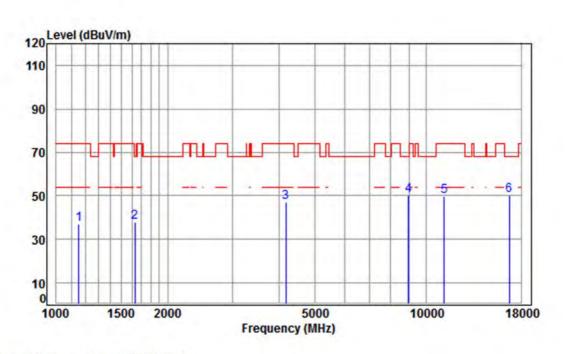
Cond	ition: 3m	HORIZO	NTAL							
Job I	No : 293	9RG								
Mode	: 550	Ø TX	RSE							
	: Ant	1 5G	WIFI 1	1AC CH1	.00					
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1282.193	4.73	24.87	41.25	46.88	35.23	68.20	-32.97	peak	
2	1644.019	5.30	26.44	41.50	47.32	37.56	68.20	-30.64	peak	
3	4495.125	7.55	33.60	42.42	48.51	47.24	68.20	-20.96	peak	
4 p	p 8943.274	10.39	36.53	38.70	43.29	51.51	68.20	-16.69	peak	
5	11000.000	11.63	37.70	37.88	37.41	48.86	74.00	-25.14	peak	

16500.000 14.50 42.70 39.86 31.12 48.46 68.20 -19.74 peak



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Test mode: 802.11ac(HT20) Frequency(MHz):	5580	Peak	Vertical
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Condition:	3m VERTICAL
Job No :	2939RG

Mode

123456

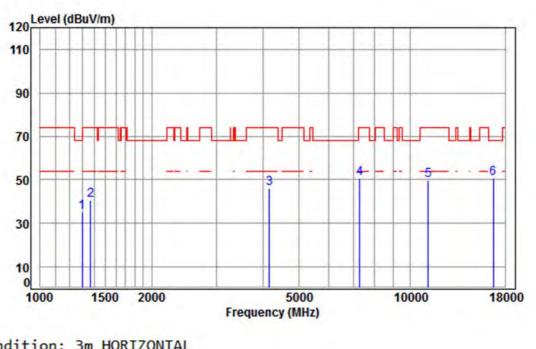
: 5580 TX RSE : Ant 1 5G WIFI 11AC CH116

Freq								Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1152.148	4.22	24.24	41.14	49.67	36.99	74.00	-37.01	peak
1629.825	5.31	26.38	41.49	47.88	38.08	68.20	-30.12	peak
4169.698	7.18	33.60	42.36	48.61	47.03	74.00	-26.97	peak
pp 8943.274	10.39	36.53	38.70	41.92	50.14	68.20	-18.06	peak
11160.000	11.80	37.83	37.98	38.29	49.94	74.00	-24.06	peak
16740.000	15.57	42.75	40.07	31.86	50.11	68.20	-18.09	peak
	MHz 1152.148 1629.825 4169.698 pp 8943.274 11160.000	Freq Loss MHz dB 1152.148 4.22 1629.825 5.31 4169.698 7.18 pp 8943.274 10.39 11160.000 11.80	Freq Loss Factor MHz dB dB/m 1152.148 4.22 24.24 1629.825 5.31 26.38 4169.698 7.18 33.60 pp 8943.274 10.39 36.53 11160.000 11.80 37.83	MHz dB dB/m dB 1152.148 4.22 24.24 41.14 1629.825 5.31 26.38 41.49 4169.698 7.18 33.60 42.36 pp 8943.274 10.39 36.53 38.70 11160.000 11.80 37.83 37.98	Freq Loss Factor Level MHz dB dB/m dB dBuV 1152.148 4.22 24.24 41.14 49.67 1629.825 5.31 26.38 41.49 47.88 4169.698 7.18 33.60 42.36 48.61 pp 8943.274 10.39 36.53 38.70 41.92 11160.000 11.80 37.83 37.98 38.29	Freq Loss Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1152.148 4.22 24.24 41.14 49.67 36.99 1629.825 5.31 26.38 41.49 47.88 38.08 4169.698 7.18 33.60 42.36 48.61 47.03 pp 8943.274 10.39 36.53 38.70 41.92 50.14 11160.000 11.80 37.83 37.98 38.29 49.94	Freq Loss Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1152.148 4.22 24.24 41.14 49.67 36.99 74.00 1629.825 5.31 26.38 41.49 47.88 38.08 68.20 4169.698 7.18 33.60 42.36 48.61 47.03 74.00 pp 8943.274 10.39 36.53 38.70 41.92 50.14 68.20 11160.000 11.80 37.83 37.98 38.29 49.94 74.00	Freq Loss Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dB dB 1152.148 4.22 24.24 41.14 49.67 36.99 74.00 -37.01 1629.825 5.31 26.38 41.49 47.88 38.08 68.20 -30.12 4169.698 7.18 33.60 42.36 48.61 47.03 74.00 -26.97 pp 8943.274 10.39 36.53 38.70 41.92 50.14 68.20 -18.06 11160.000 11.80 37.83 37.98 38.29 49.94 74.00 -24.06



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Test mode: 802.	11ac(HT20) Frequency	(MHz): 5580	Peak	Horizontal
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Condit	ion: 3m	HORIZO	NTAL						
Job No	: 293	9RG							
Mode	: 558	O TX	RSE						
	: Ant	1 5G	WIFI 1	1AC CH1	16				
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	46.74	35.24	74.00	-38.76	peak
2	1370.328	5.05	25.26	41.32	51.51	40.50	74.00	-33.50	peak

 3
 4157.664
 7.17
 33.60
 42.36
 47.83
 46.24
 74.00
 -27.76
 peak

 4
 7284.038
 10.06
 36.38
 40.66
 44.86
 50.64
 74.00
 -23.36
 peak

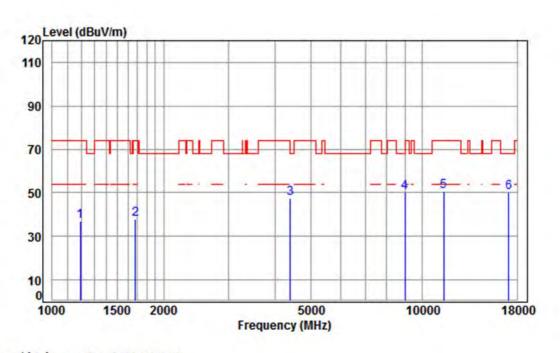
 5
 11160.000
 11.80
 37.83
 37.98
 38.11
 49.76
 74.00
 -24.24
 peak

 6
 pp16740.000
 15.57
 42.75
 40.07
 32.42
 50.67
 68.20
 -17.53
 peak



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Test mode:802.11ac(HT20)Frequency(MHz):	5700	Peak	Vertical
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Conditio	n:	3m VERTICAL	
Job No	:	2939RG	

Mode

123456

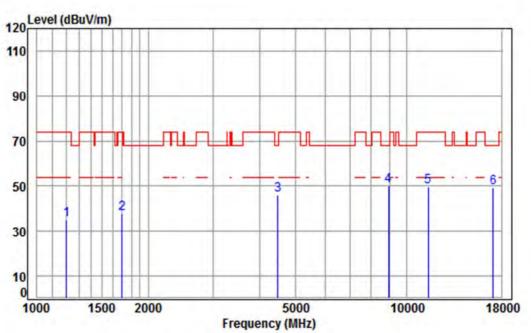
: 5700 TX RSE : Ant 1 5G WIFI 11AC CH140

	Freq			Preamp Factor			Limit Line		Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
	1192.811	4.39	24.44	41.18	49.40	37.05	74.00	-36.95	peak	
2	1677.621	5.25	26.58	41.52	47.67	37.98	74.00	-36.02	peak	
3	4392.376	7.44	33.60	42.40	49.03	47.67	74.00	-26.33	peak	
Ļ	pp 8969.161	10.39	36.56	38.66	41.92	50.21	68.20	-17.99	peak	
5	11400.000	12.04	38.02	38.13	38.54	50.47	74.00	-23.53	peak	
5	17100.000	16.49	42.92	40.37	31.12	50.16	68.20	-18.04	peak	



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	Test mode:	802.11ac(HT20)	Frequency(MHz):	5700	Peak	Horizontal
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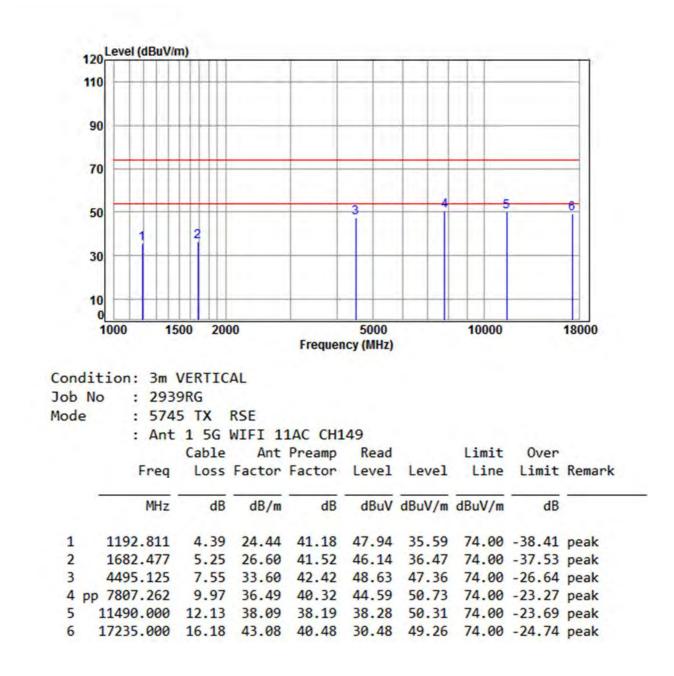


			3m H	ORIZO	NIAL						
Job	No	:	2939	PRG							
Mod	e	:	5700	XT 6	RSE						
		:	Ant	1 5G	WIFI 1	1AC CH1	.40				
				Cable	Ant	Preamp	Read		Limit	Over	
		F	req	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1203.	199	4.43	24.49	41.19	47.54	35.27	74.00	-38.73	peak
2		1697.	129	5.23	26.66	41.53	47.41	37.77	74.00	-36.23	peak
3		4482.	150	7.54	33.60	42.41	47.51	46.24	68.20	-21.96	peak
4	pp	8917.	462	10.38	36.50	38.74	42.07	50.21	68.20	-17.99	peak
5	1	1400.	000	12.04	38.02	38.13	37.78	49.71	74.00	-24.29	peak
6	1	7100.	000	16.49	42.92	40.37	30.11	49.15	68.20	-19.05	peak



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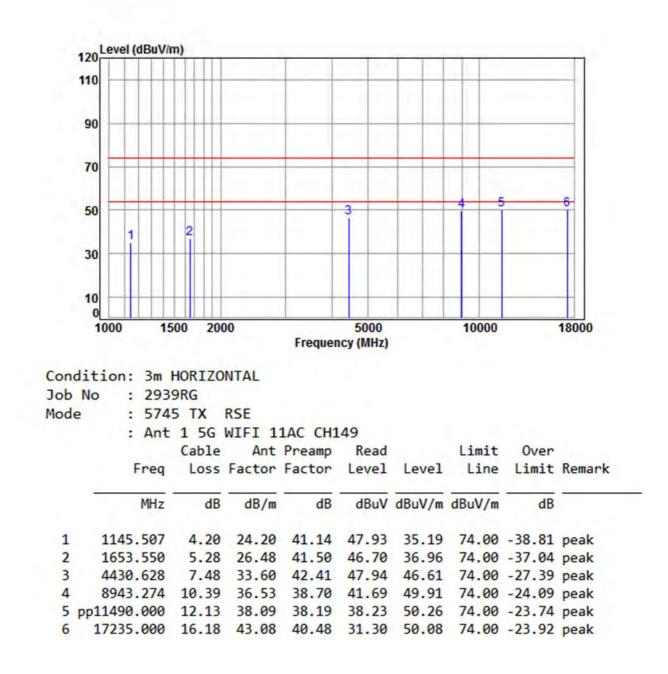
Test mode: 802.11ac(HT20) Frequency(MHz):	5745	Peak	Vertical
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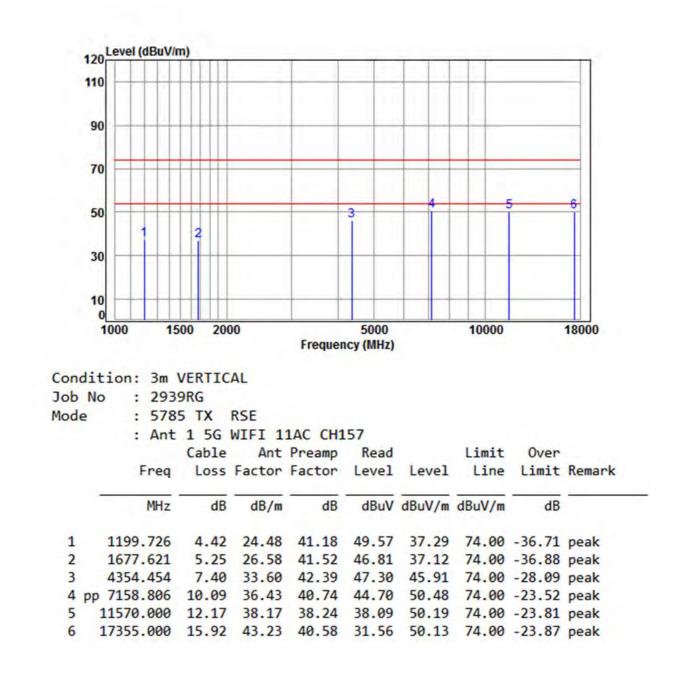
Test mode: 802.11ac(HT20) Frequency(MHz):	5745	Peak	Horizontal
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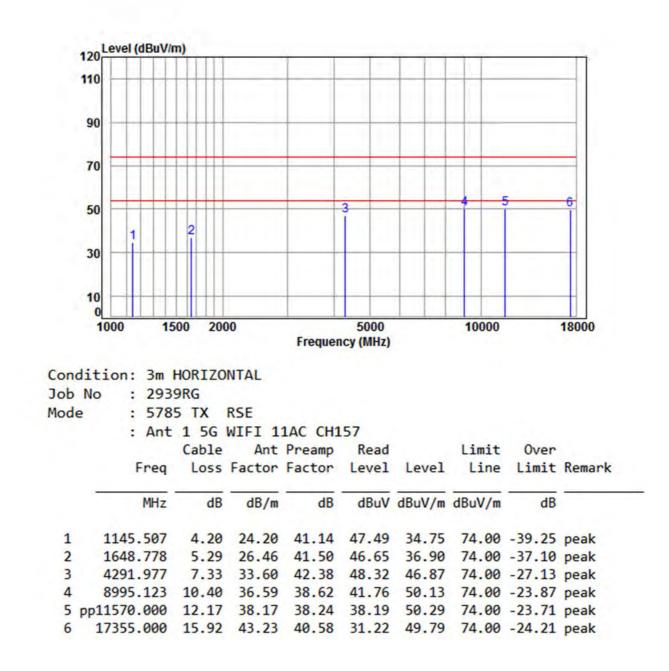
Test mode: 802.11ac(HT20) Frequency(MHz):	5785	Peak	Vertical
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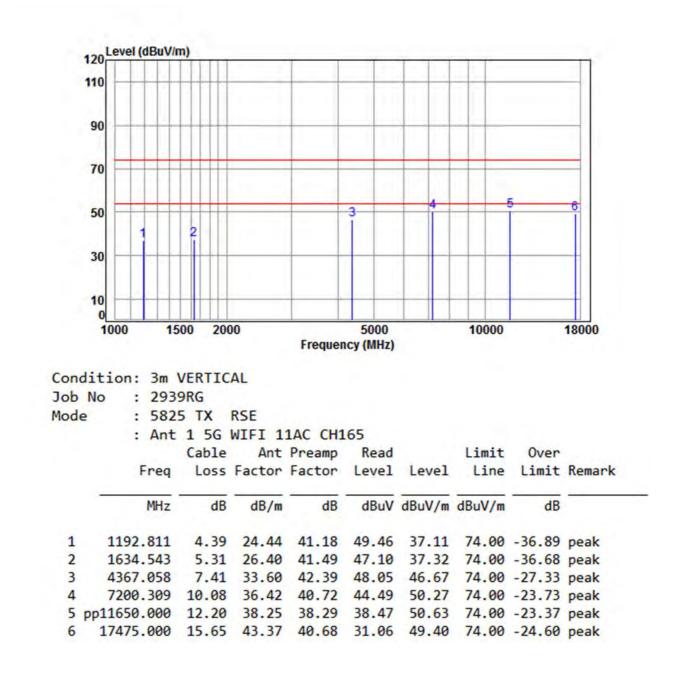
Test mode:802.11ac(HT20)Frequency(MHz):	5785	Peak	Horizontal
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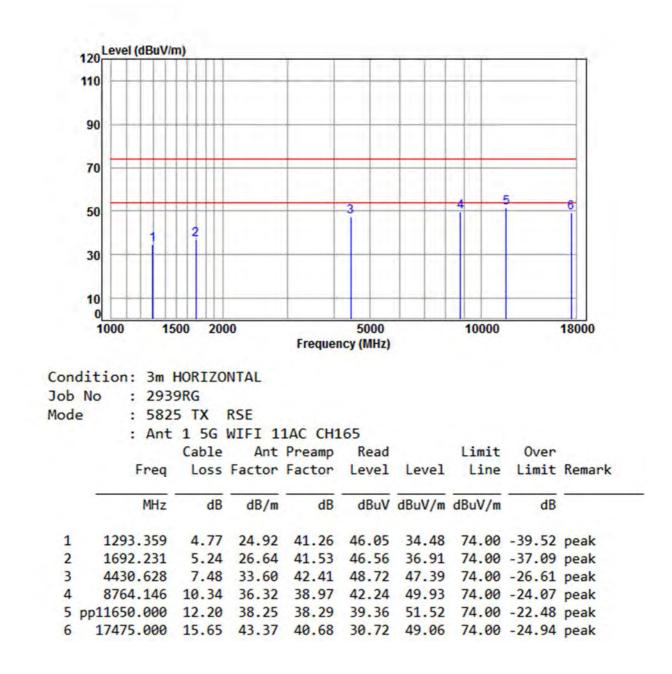
Test mode: 802.11ac(HT20) Frequency(MHz	z): 5825	Peak	Vertical
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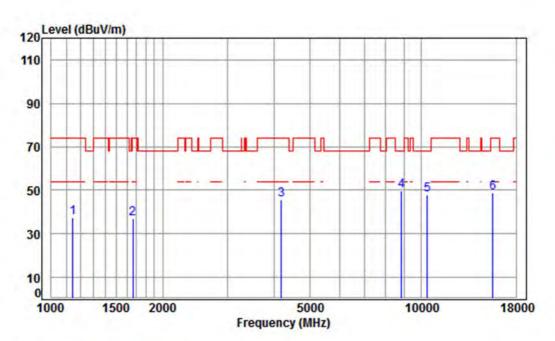
Test mode:802.11ac(HT20)Frequency(MHz):5	5825	Peak	Horizontal
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Test mode:802.11n(HT40)Frequency(MHz):5190PeakVertical
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	dition: 3m		AL							
Job	No : 293	9RG								
Mode	e : 519	0 TX	RSE							
	: Ant	1 5G	WIFI 1	1N(40)	CH38					
		Cable	Ant	Preamp	Read		Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1145.507	4.20	24.20	41.14	49.94	37.20	74.00	-36.80	peak	
2	1663.137	5.27	26.52	41.51	46.84	37.12	74.00	-36.88	peak	
3	4181.768	7.20	33.60	42.36	47.38	45.82	74.00	-28.18	peak	
4	pp 8840.473	10.36	36.41	38.86	41.73	49.64	68.20	-18.56	peak	
5	10380.000	11.21	37.22	37.47	37.07	48.03	68.20	-20.17	peak	
6	15570.000	14.35	41.37	39.03	32.34	49.03	74.00	-24.97	peak	