



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

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

Report No.: SZEM180100024801
Page: 1 of 583

TEST REPORT

Application No.: SZEM1801000248CR(GZEM1801000020CR)
Applicant: GuangZhou Ostec Electronic Technology Co.,Limited
Address of Applicant: 2of No.8, West Lane,Jiangcheng Road,Bangjiang East Village,Dalong Street,Panyu District,Guangzhou City,Guangdong,P.R.China
Manufacturer: GuangZhou Ostec Electronic Technology Co.,Limited
Address of Manufacturer: 2of No.8, West Lane,Jiangcheng Road,Bangjiang East Village,Dalong Street,Panyu District,Guangzhou City,Guangdong,P.R.China
Factory: GuangZhou Ostec Electronic Technology Co.,Limited
Address of Factory: 2of No.8, West Lane,Jiangcheng Road,Bangjiang East Village,Dalong Street,Panyu District,Guangzhou City,Guangdong,P.R.China
Equipment Under Test (EUT):
EUT Name: WiFi Module
Model No.: WF01A
FCC ID: 2AFO3WF01A
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2018-01-09
Date of Test: 2018-01-18 to 2018-02-11
Date of Issue: 2018-02-22

Test Result:	Pass*
---------------------	--------------

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



Keny Xu

EMC 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.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2018-02-22		Original

Authorized for issue by:				
				
		<hr/> Moon Zhang /Project Engineer		
				
		<hr/> Eric Fu /Reviewer		

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

N/A: Not applicable

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)	Pass
99% Bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 II D	N/A	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass

N/A: Not applicable



3 Contents

	Page
1 COVER PAGE	1
2 TEST SUMMARY	3
3 CONTENTS	4
4 GENERAL INFORMATION	6
4.1 DETAILS OF E.U.T.	6
4.2 DESCRIPTION OF SUPPORT UNITS	7
4.3 MEASUREMENT UNCERTAINTY	8
4.4 TEST LOCATION.....	9
4.5 TEST FACILITY.....	9
4.6 DEVIATION FROM STANDARDS.....	9
4.7 ABNORMALITIES FROM STANDARD CONDITIONS	9
5 EQUIPMENT LIST.....	10
6 RADIO SPECTRUM TECHNICAL REQUIREMENT	13
6.1 ANTENNA REQUIREMENT	13
6.1.1 Test Requirement:	13
6.1.2 Conclusion	13
6.2 TRANSMISSION IN THE ABSENCE OF DATA.....	14
6.2.1 Test Requirement:	14
6.2.2 Conclusion	14
7 RADIO SPECTRUM MATTER TEST RESULTS.....	15
7.1 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ).....	15
7.1.1 E.U.T. Operation	15
7.1.2 Test Setup Diagram.....	16
7.1.3 Measurement Procedure and Data.....	16
7.2 99% BANDWIDTH	19
7.2.1 E.U.T. Operation	19
7.2.2 Test Setup Diagram.....	19
7.2.3 Measurement Procedure and Data.....	19
7.3 26dB EMISSION BANDWIDTH	20
7.3.1 E.U.T. Operation	20
7.3.2 Test Setup Diagram.....	20
7.3.3 Measurement Procedure and Data.....	20
7.4 MINIMUM 6 DB BANDWIDTH (5.725-5.85 GHZ BAND)	21
7.4.1 E.U.T. Operation	21
7.4.2 Test Setup Diagram.....	21
7.4.3 Measurement Procedure and Data.....	21
7.5 MAXIMUM CONDUCTED OUTPUT POWER.....	22
7.5.1 E.U.T. Operation	22
7.5.2 Test Setup Diagram.....	23
7.5.3 Measurement Procedure and Data.....	23
7.6 PEAK POWER SPECTRUM DENSITY.....	24
7.6.1 E.U.T. Operation	24
7.6.2 Test Setup Diagram.....	25
7.6.3 Measurement Procedure and Data.....	25



7.7	RADIATED EMISSIONS.....	26
7.7.1	<i>E.U.T. Operation</i>	26
7.7.2	<i>Test Setup Diagram</i>	27
7.7.3	<i>Measurement Procedure and Data</i>	28
7.8	RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS	256
7.8.1	<i>E.U.T. Operation</i>	257
7.8.2	<i>Test Setup Diagram</i>	257
7.8.3	<i>Measurement Procedure and Data</i>	258
8	APPENDIX	523
8.1	APPENDIX 15.407	523-583

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.3V via EVB board			
Cable:	DC cable:110cm unshielded			
Antenna type:	IPEX Antenna Connector (SISO)			
Antenna gain	Antenna 1: 2.5dBi, Antenna 2: 2.7dBi, Antenna 3: 5.0dBi Antenna 4: 2.0dBi			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n(HT20)/ac(HT20)	5180-5240	4
		802.11n(HT40)/ac(HT40)	5190-5230	2
		802.11ac(HT80)	5210	1
	UNII Band III	802.11a/n(HT20)/ac(HT20)	5745-5825	5
		802.11n(HT40)/ac(HT40)	5755-5795	2
		802.11ac(HT80)	5775	1
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			
Channel Spacing:	802.11a/n(HT20)/ac(HT20): 20MHz 802.11n(HT40)/ac(HT40): 40MHz 802.11ac(HT80): 80MHz			



Selected Test Channel for 802.11a/n(HT20)/ac(HT20)		
Band	Channel	Frequency
U-NII Band I	The lowest channel (CH36)	5180MHz
	The middle channel (CH40)	5200MHz
	The highest channel (CH48)	5240MHz
U-NII Band III	The lowest channel (CH149)	5745MHz
	The middle channel (CH157)	5785MHz
	The highest channel (CH165)	5825MHz

Selected Test Channel for 802.11n(HT40)/ac(HT40)		
Band	Channel	Frequency
U-NII Band I	The lowest channel (CH38)	5190MHz
	The highest channel (CH46)	5230MHz
U-NII Band III	The lowest channel (CH151)	5755MHz
	The highest channel (CH159)	5795MHz

Selected Test Channel for 802.11ac(HT80)		
Band	Channel	Frequency
U-NII Band I	One channel (CH42)	5210MHz
U-NII Band III	One channel (CH155)	5775MHz

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
EVB board	Provide by Applicant	--	--
Adapter	Apple	A1357 W010A051	REF. No.SEA0500



4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25×10^{-8}
2	Duty cycle	0.37%
3	Occupied Bandwidth	3%
4	RF conducted power	0.75dB
5	RF power density	2.84dB
6	Conducted Spurious emissions	0.75dB
7	RF Radiated power	4.5dB (below 1GHz)
		4.8dB (above 1GHz)
8	Radiated Spurious emission test	4.5dB (Below 1GHz)
		4.8dB (Above 1GHz)
9	Temperature test	1 °C
10	Humidity test	3%
11	Supply voltages	1.5%
12	Time	3%



4.4 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.

4.5 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 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 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.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-09
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2017-07-13	2018-07-12
LISN	Rohde & Schwarz	ENV216	SEM007-01	2017-09-27	2018-09-26
LISN	ETS-LINDGREN	3816/2	SEM007-02	2017-04-14	2018-04-13
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2017-04-14	2018-04-13

99% Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

26dB Emission bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Minimum 6 dB bandwidth (5.725-5.85 GHz band)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26



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

Report No.: SZEM180100024801

Page: 11 of 583

Maximum Conducted output power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Peak Power spectrum density					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-02	2020-05-01
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2017-04-14	2018-04-13
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-13
Horn Antenna (15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2017-12-04	2018-12-03
Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2017-04-14	2018-04-13
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



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

Report No.: SZEM180100024801

Page: 12 of 583

Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

Frequency Stability					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2017-04-18	2018-04-17



6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The module has an IPEX antenna connector and have four types of antenna. For the details of the antenna, please refer to the external photo of the EUT.



6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip (MT7628) support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detects absence of information to transmit or operational failure, it will be automatically shut off.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	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 of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

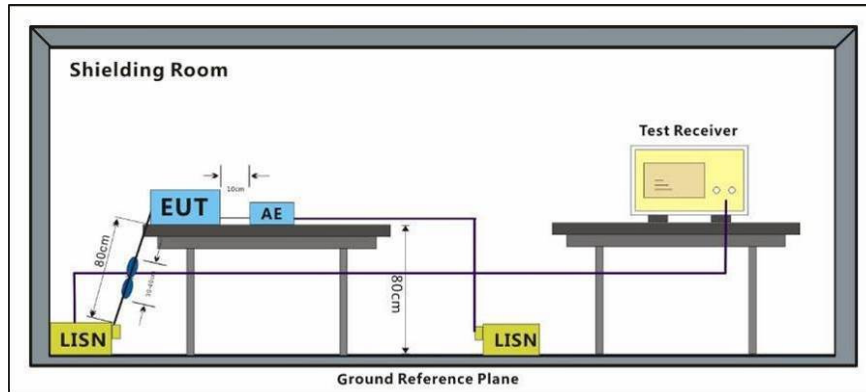
Temperature: 19.9 °C Humidity: 36.3 % RH Atmospheric Pressure: 1015 mbar

Pretest these modes to find the worst case: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

b:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

The worst case for final test: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.1.2 Test Setup Diagram



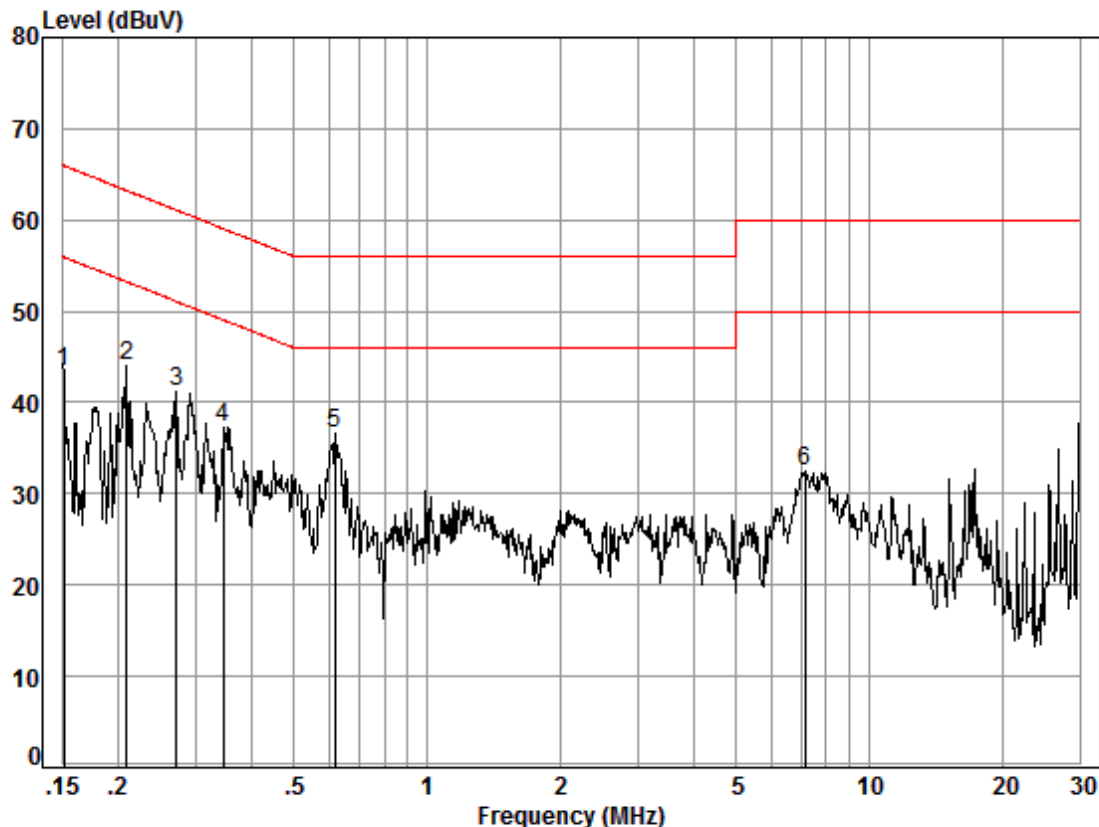
7.1.3 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm 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.
- 3) 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,
- 4) 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.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

The test was performed with each antenna, only the data of the worst case (test with antenna 3) is recorded in the report.

Mode:a; Line:Live Line



Site : Shielding Room

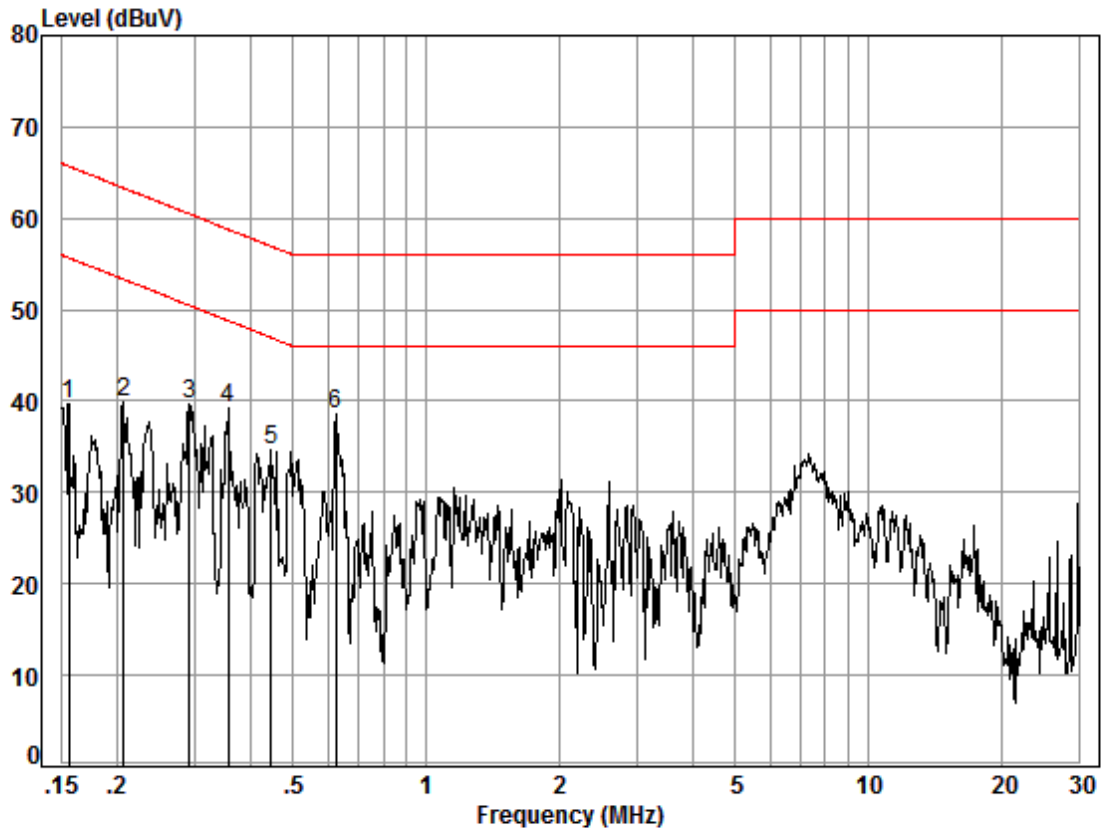
Condition: Line

Job No. : 00248CR

Test mode: a

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15	0.02	9.51	33.96	43.49	55.96	-12.47	Peak
2	0.21	0.02	9.50	34.53	44.05	53.23	-9.18	Peak
3	0.27	0.01	9.51	31.78	41.30	51.07	-9.77	Peak
4	0.35	0.01	9.50	27.84	37.35	49.05	-11.70	Peak
5	0.62	0.02	9.52	27.15	36.69	46.00	-9.31	Peak
6	7.18	0.01	9.59	22.84	32.44	50.00	-17.56	Peak

Mode:a; Line:Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00248CR
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	9.58	30.11	39.71	55.69	-15.98	Peak
2	0.21	0.02	9.57	30.34	39.93	53.32	-13.39	Peak
3	0.29	0.01	9.58	29.99	39.58	50.50	-10.92	Peak
4	0.36	0.01	9.58	29.64	39.23	48.78	-9.55	Peak
5	0.45	0.01	9.59	25.06	34.66	46.93	-12.27	Peak
6	0.62	0.02	9.62	28.84	38.48	46.00	-7.52	Peak

7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.2.1 E.U.T. Operation

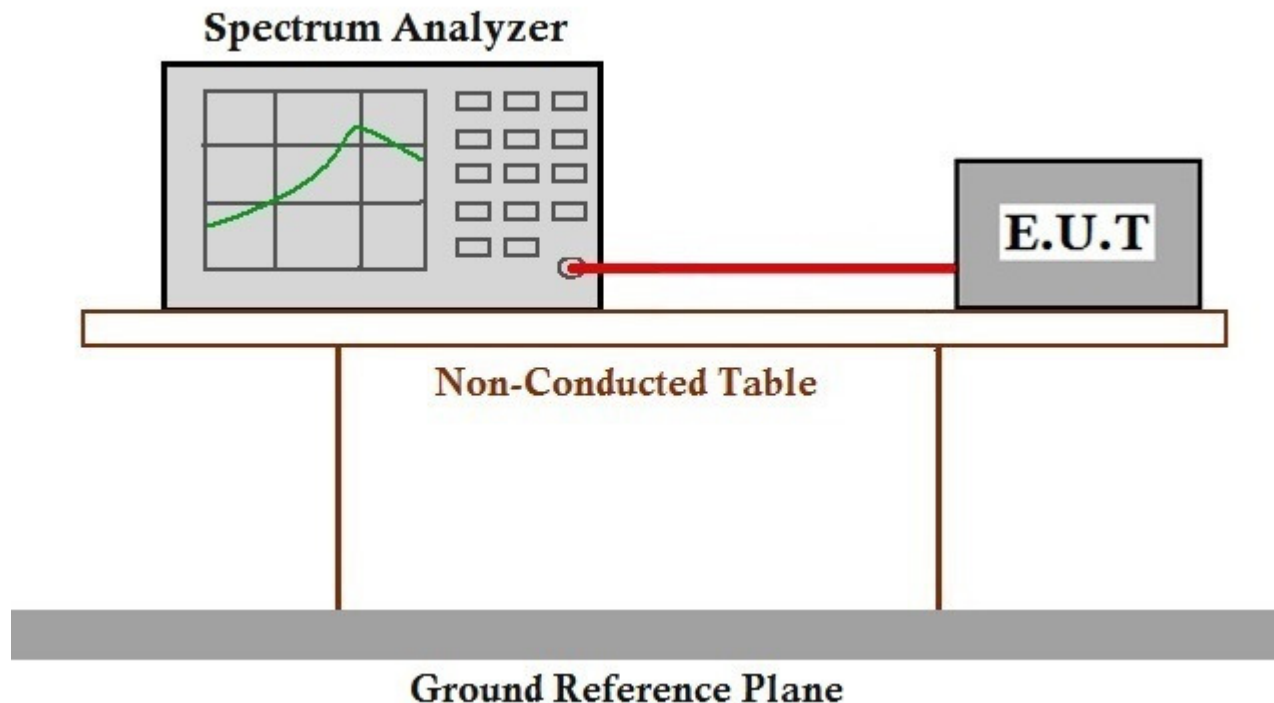
Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

Test mode: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

b:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.2.2 Test Setup Diagram



7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

7.3 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

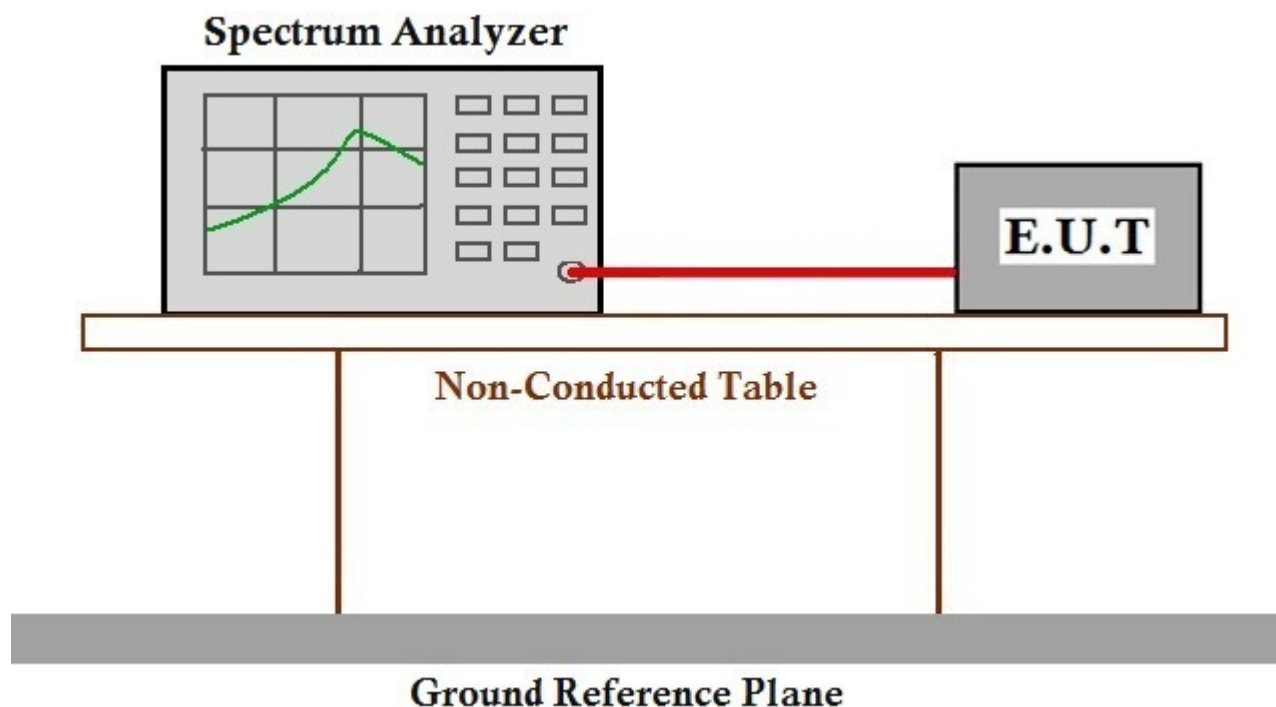
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

Test mode b:TX mode (Band 3) Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

7.4 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit: ≥ 500 kHz

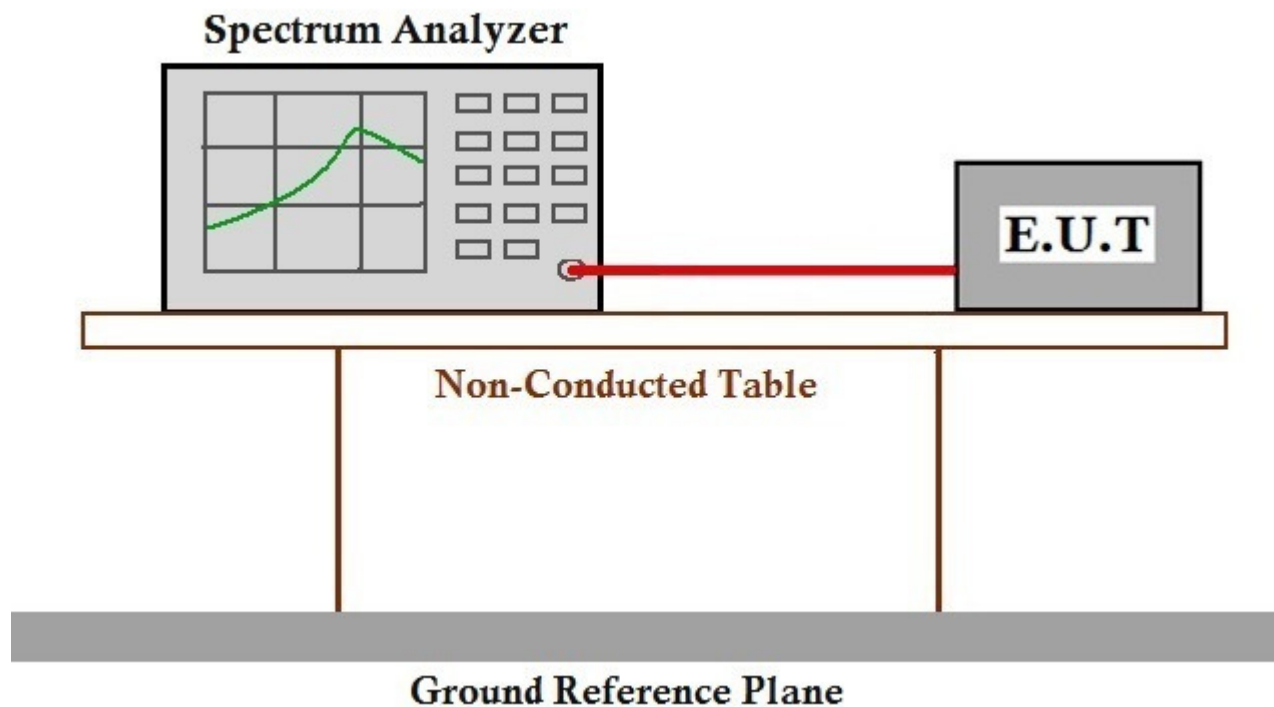
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

Test mode b:TX mode (Band 3). Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



7.5 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	<p>* Where B is the 26dB emission bandwidth in MHz.</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p>

7.5.1 E.U.T. Operation

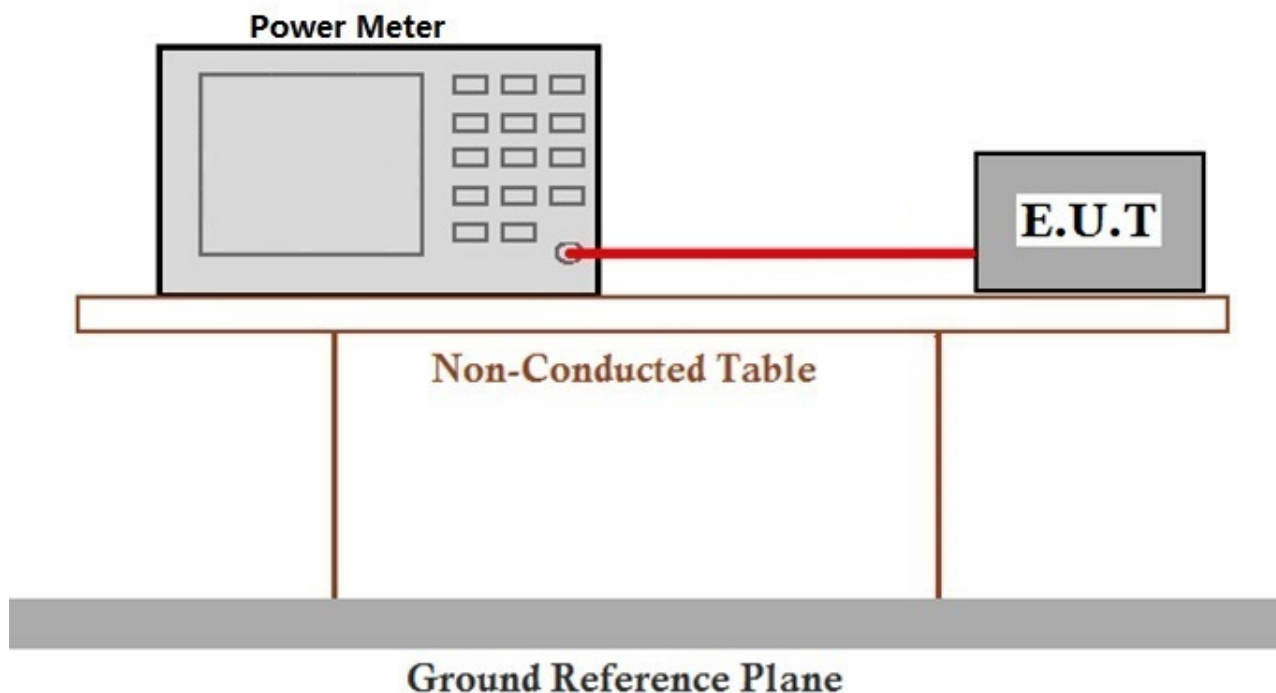
Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

Test mode: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

b:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.5.2 Test Setup Diagram



7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

7.6 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.6.1 E.U.T. Operation

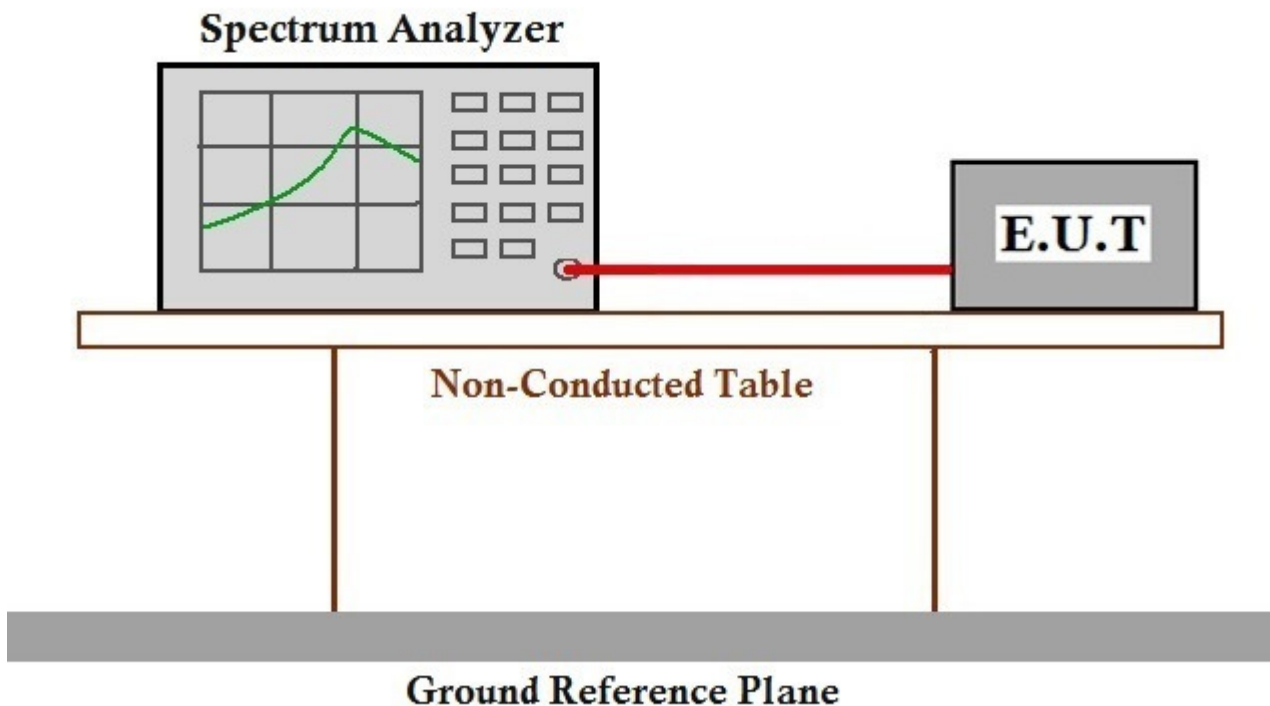
Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

Test mode: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

b:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.6.2 Test Setup Diagram



7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



7.7 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

7.7.1 E.U.T. Operation

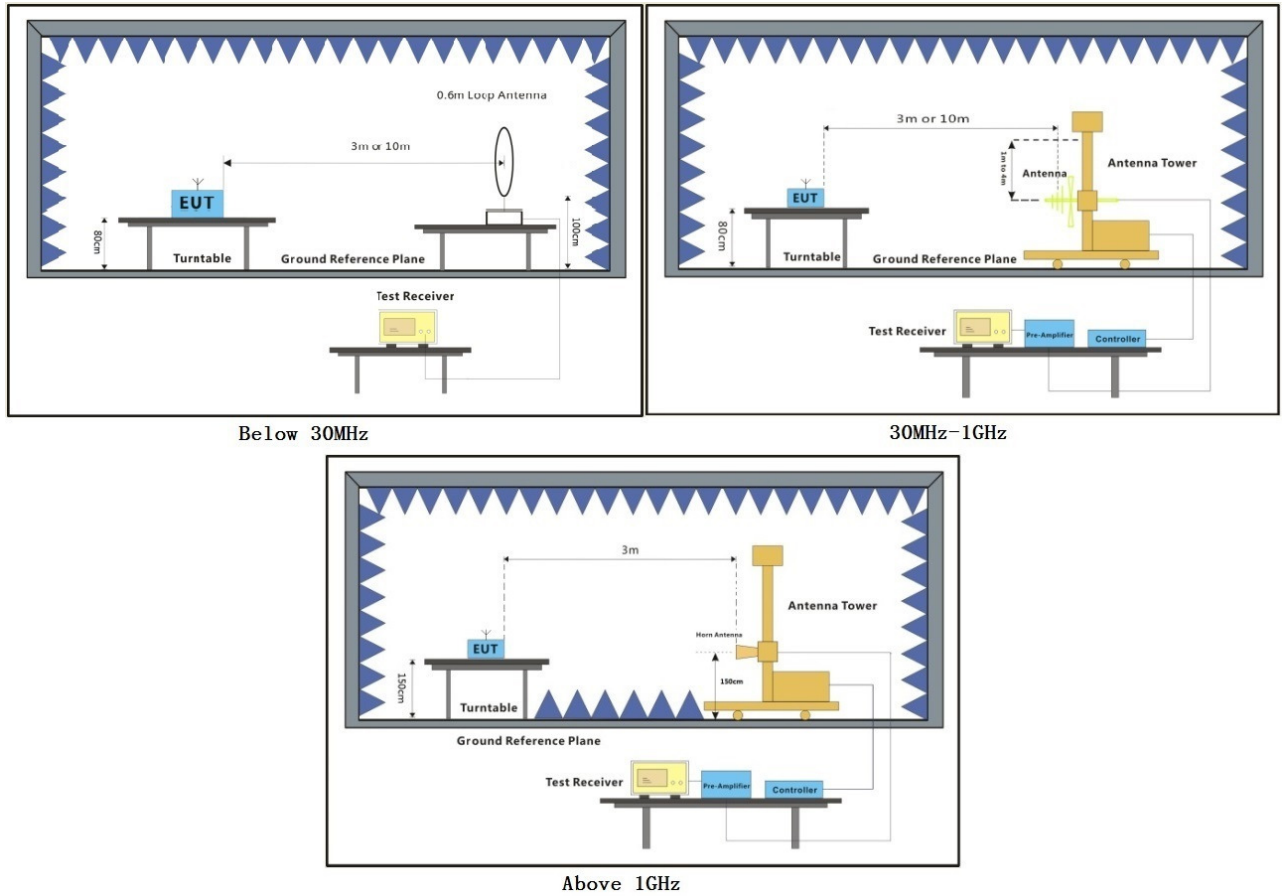
Operating Environment:

Temperature: 16.8 °C Humidity: 43.8 % RH Atmospheric Pressure: 1015 mbar

Test mode: a:TX mode (Band 1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

b:TX mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.7.2 Test Setup Diagram



7.7.3 Measurement Procedure and Data

- a. For below 1GHz, 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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

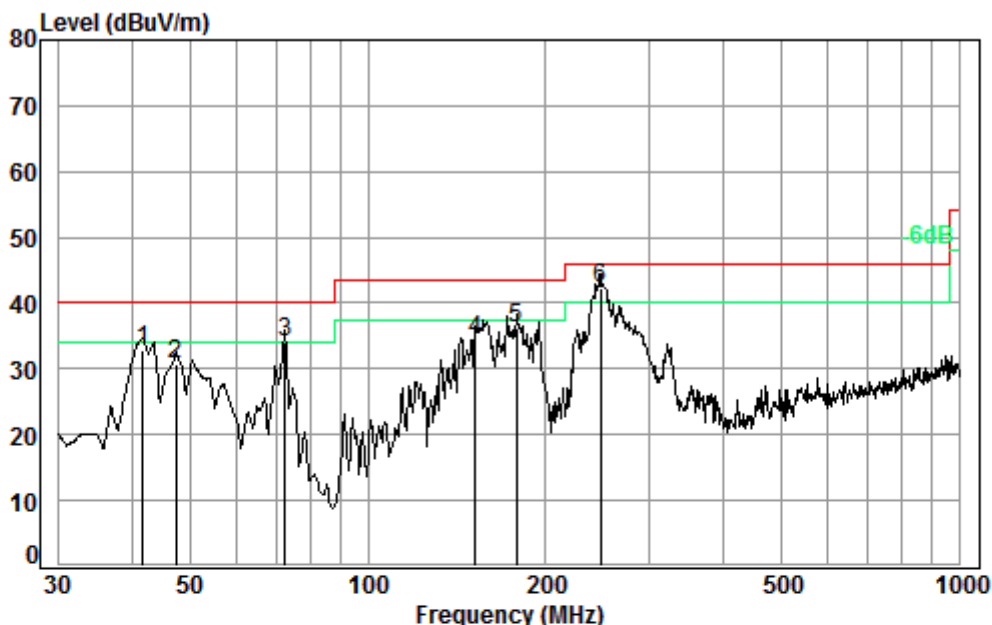
Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

As shown in this section, for frequencies above 1GHz which falls in restriction band, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

30MHz~1GHz (Quasi-Peak Value)

The test was performed with each type of antennas, only the data of the worst case (802.11a Lowest Channel with antenna 3) is recorded in the report.

Mode: a; Polarization: Horizontal;



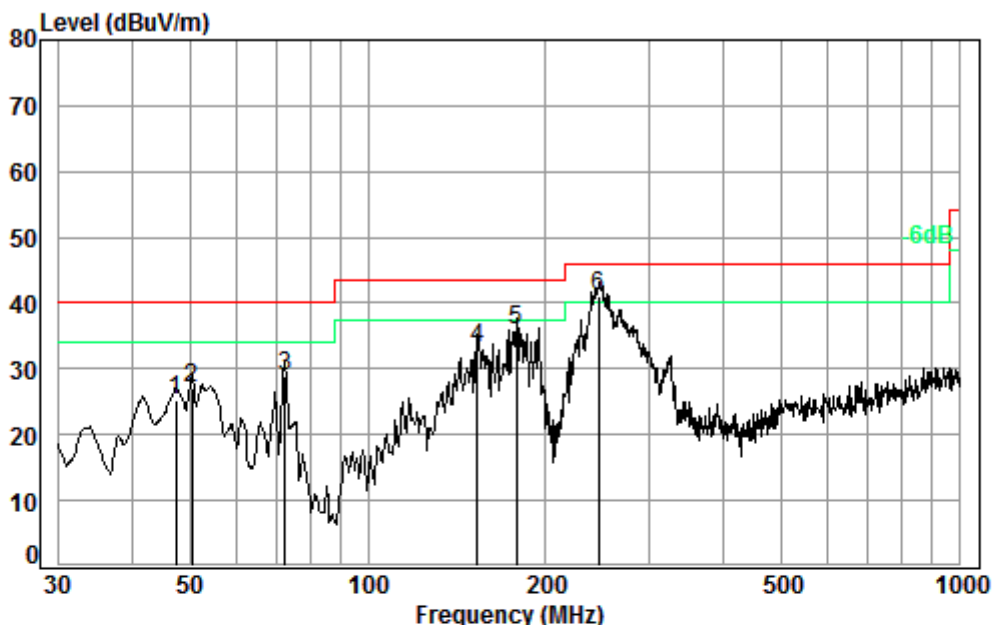
Condition: 3m HORIZONTAL

Job No. : 00248CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	41.71	0.64	16.88	27.62	42.88	32.78	40.00	-7.22
2	47.49	0.75	14.96	27.61	42.47	30.57	40.00	-9.43
3	72.59	0.88	12.58	27.52	48.05	33.99	40.00	-6.01
4	152.13	1.32	14.82	27.52	45.83	34.45	43.50	-9.05
5	178.13	1.37	15.86	27.53	46.60	36.30	43.50	-7.20
6 pp	247.68	1.66	18.92	27.53	49.25	42.30	46.00	-3.70

Mode :a; Polarization: Vertical



Condition: 3m VERTICAL

Job No. : 00248CR

Test mode: a

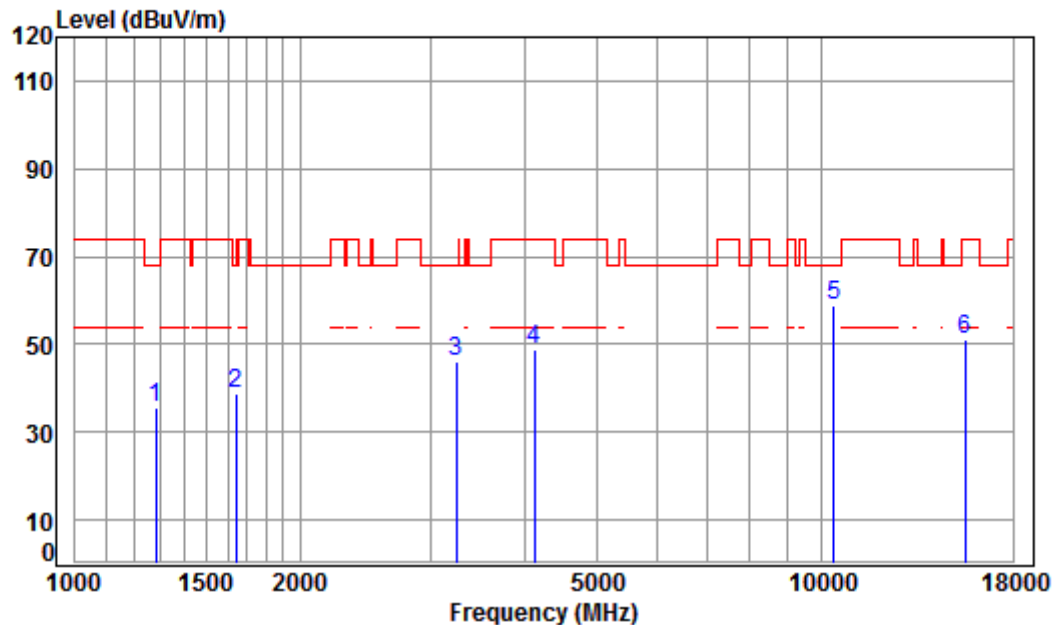
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	47.49	0.75	14.96	27.61	37.11	25.21	40.00	-14.79
2	50.41	0.80	14.16	27.60	39.83	27.19	40.00	-12.81
3	72.59	0.88	12.58	27.52	43.05	28.99	40.00	-11.01
4	153.20	1.32	14.91	27.52	44.42	33.13	43.50	-10.37
5	178.13	1.37	15.86	27.53	46.12	35.82	43.50	-7.68
6 pp	245.95	1.65	18.89	27.53	48.10	41.11	46.00	-4.89



Above 1GHz:

ANT1:

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	43.92	35.46	68.20	-32.74	peak
2	1644.019	5.30	26.44	38.03	45.08	38.79	68.20	-29.41	peak
3	3242.619	6.22	31.75	37.93	45.97	46.01	68.20	-22.19	peak
4	4121.768	7.13	33.60	38.07	46.31	48.97	74.00	-25.03	peak
5	10360.000	11.19	37.24	35.09	45.60	58.94	68.20	-9.26	peak
6	15540.000	14.30	41.38	38.30	33.91	51.29	74.00	-22.71	peak

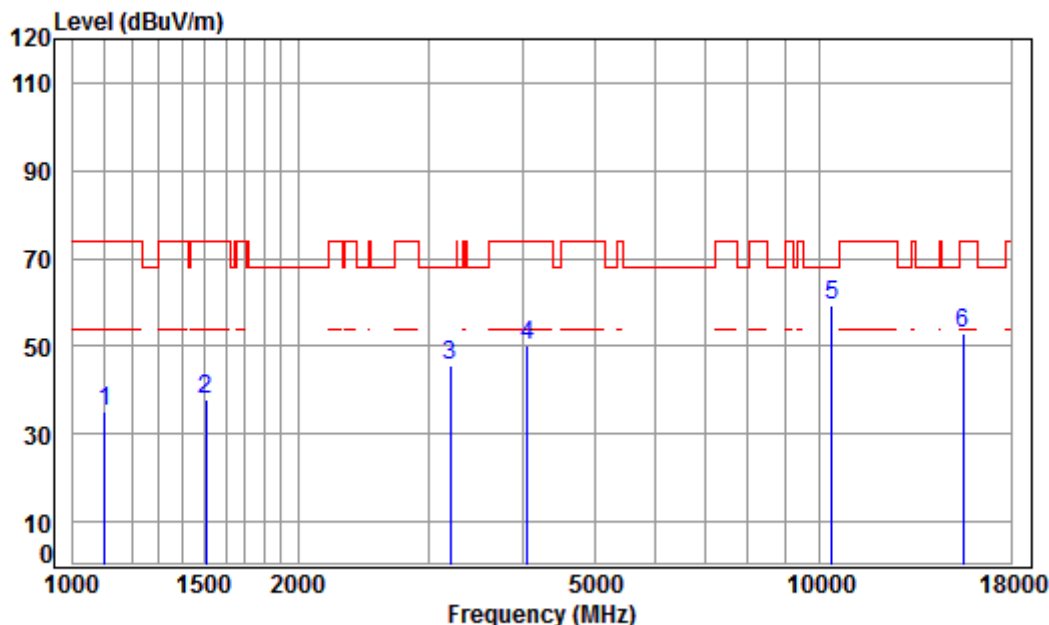


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 32 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	4.02	23.98	38.09	45.37	35.28	74.00	-38.72	peak
2	1507.470	5.47	25.83	38.04	44.62	37.88	74.00	-36.12	peak
3	3196.094	6.18	31.67	37.92	45.68	45.61	68.20	-22.59	peak
4	4062.629	7.06	33.60	38.03	47.43	50.06	74.00	-23.94	peak
5	pp10360.000	11.19	37.24	35.09	46.12	59.46	68.20	-8.74	peak
6	15540.000	14.30	41.38	38.30	35.52	52.90	74.00	-21.10	peak

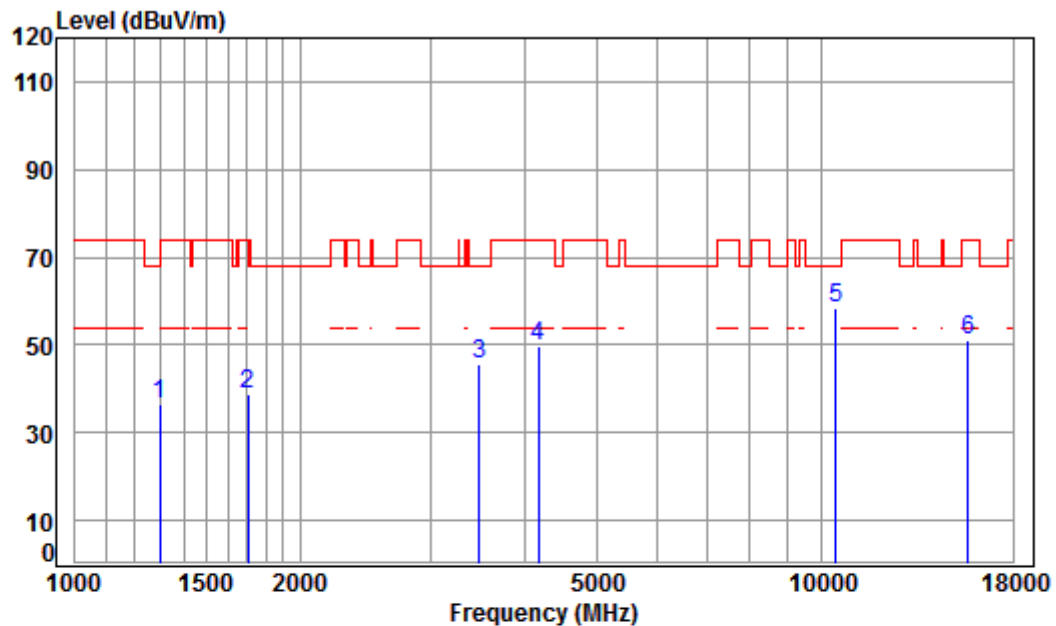


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 33 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

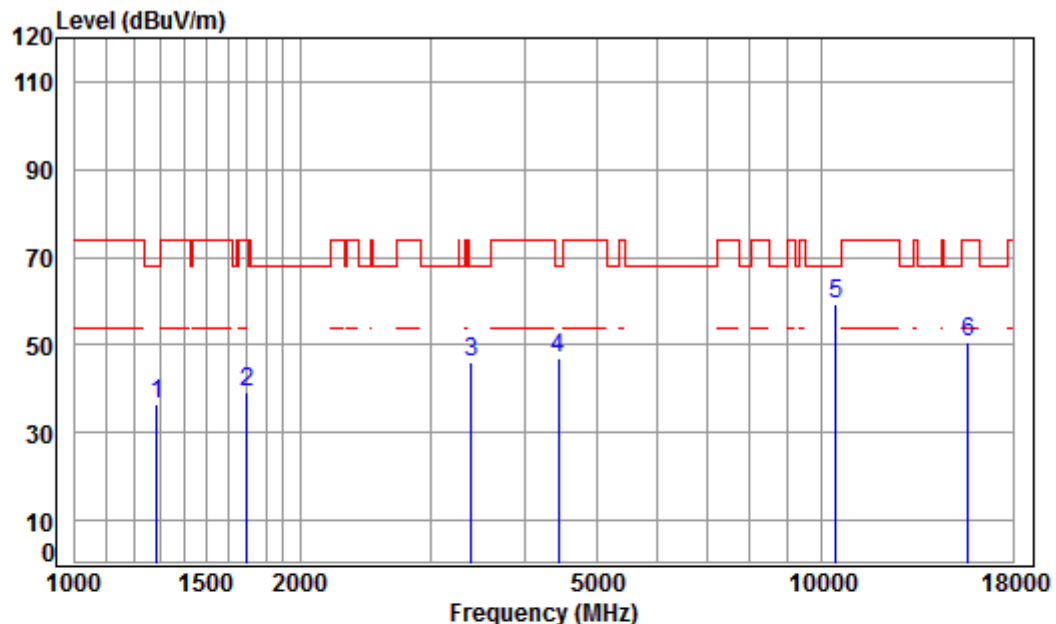
Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	45.05	36.72	68.20	-31.48	peak
2	1702.042	5.23	26.68	38.02	44.89	38.78	74.00	-35.22	peak
3	3475.541	6.44	32.16	37.95	45.07	45.72	68.20	-22.48	peak
4	4169.698	7.18	33.60	38.09	46.97	49.66	74.00	-24.34	peak
5	pp10440.000	11.25	37.16	35.13	45.02	58.30	68.20	-9.90	peak
6	15660.000	14.48	41.34	38.17	33.50	51.15	74.00	-22.85	peak



Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

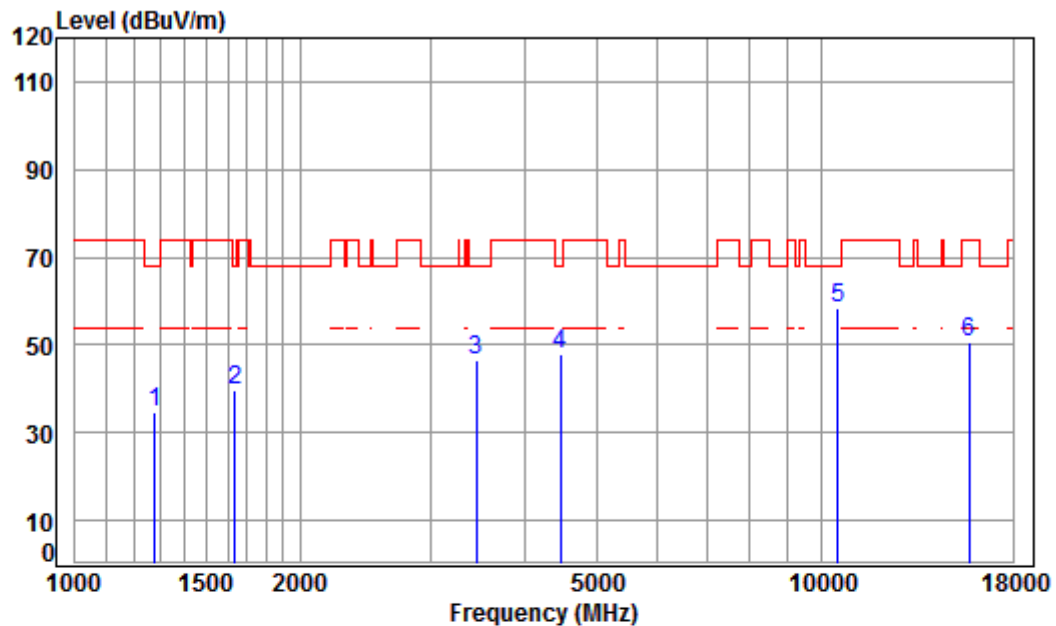
Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	45.01	36.59	68.20	-31.61	peak
2	1697.129	5.23	26.66	38.02	45.16	39.03	74.00	-34.97	peak
3	3396.098	6.37	32.02	37.94	45.83	46.28	68.20	-21.92	peak
4	4430.628	7.48	33.60	38.23	44.34	47.19	68.20	-21.01	peak
5	pp10440.000	11.25	37.16	35.13	46.18	59.46	68.20	-8.74	peak
6	15660.000	14.48	41.34	38.17	32.97	50.62	74.00	-23.38	peak



Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

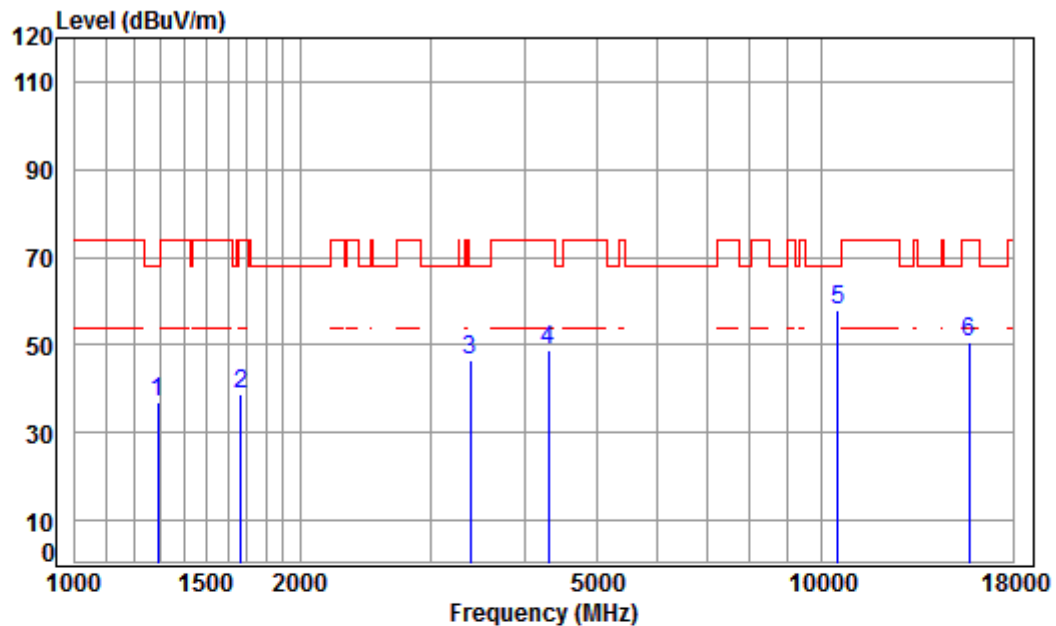
Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	43.39	34.90	68.20	-33.30	peak
2	1639.274	5.30	26.42	38.03	45.84	39.53	68.20	-28.67	peak
3	3445.535	6.41	32.11	37.95	46.11	46.68	68.20	-21.52	peak
4	4469.214	7.53	33.60	38.25	45.04	47.92	68.20	-20.28	peak
5	pp10480.000	11.28	37.12	35.15	45.02	58.27	68.20	-9.93	peak
6	15720.000	14.57	41.31	38.10	32.90	50.68	74.00	-23.32	peak



Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

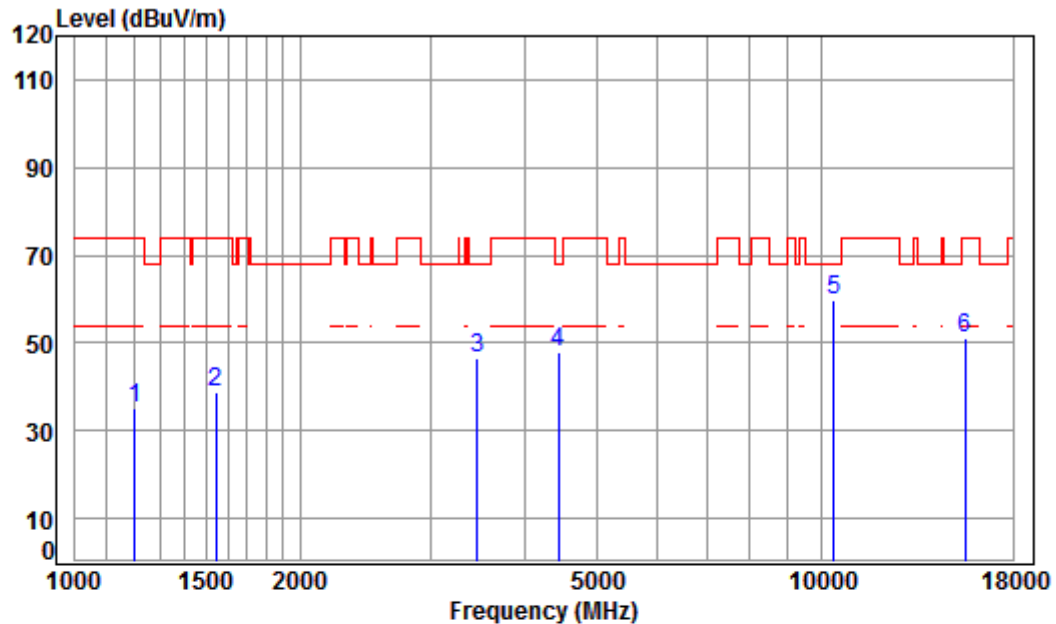
Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	45.30	36.91	68.20	-31.29	peak
2	1667.951	5.27	26.54	38.03	44.97	38.75	74.00	-35.25	peak
3	3376.523	6.35	31.99	37.94	46.00	46.40	68.20	-21.80	peak
4	4304.400	7.34	33.60	38.16	46.21	48.99	74.00	-25.01	peak
5	pp10480.000	11.28	37.12	35.15	44.72	57.97	68.20	-10.23	peak
6	15720.000	14.57	41.31	38.10	32.90	50.68	74.00	-23.32	peak



Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

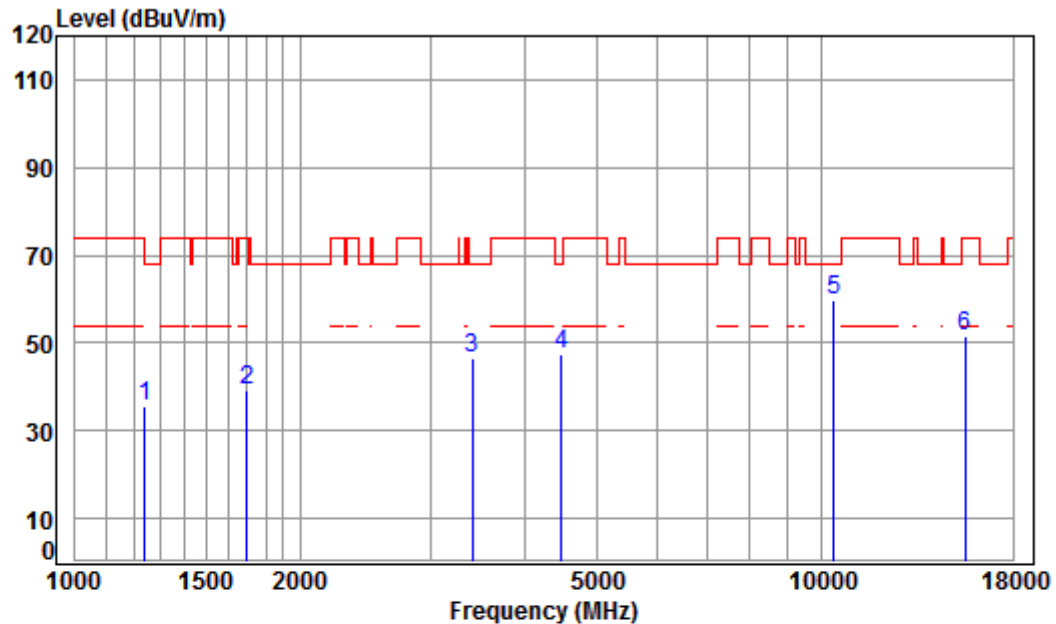
Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	38.07	44.16	35.01	74.00	-38.99	peak
2	1542.733	5.42	26.00	38.04	45.53	38.91	74.00	-35.09	peak
3	3455.508	6.42	32.13	37.95	45.77	46.37	68.20	-21.83	peak
4	4430.628	7.48	33.60	38.23	45.10	47.95	68.20	-20.25	peak
5	pp10360.000	11.19	37.24	35.09	46.21	59.55	68.20	-8.65	peak
6	15540.000	14.30	41.38	38.30	33.57	50.95	74.00	-23.05	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	4.58	24.68	38.07	44.43	35.62	68.20	-32.58	peak
2	1697.129	5.23	26.66	38.02	45.53	39.40	74.00	-34.60	peak
3	3405.929	6.38	32.04	37.94	46.21	46.69	68.20	-21.51	peak
4	4482.150	7.54	33.60	38.26	44.70	47.58	68.20	-20.62	peak
5	pp10360.000	11.19	37.24	35.09	46.24	59.58	68.20	-8.62	peak
6	15540.000	14.30	41.38	38.30	34.31	51.69	74.00	-22.31	peak

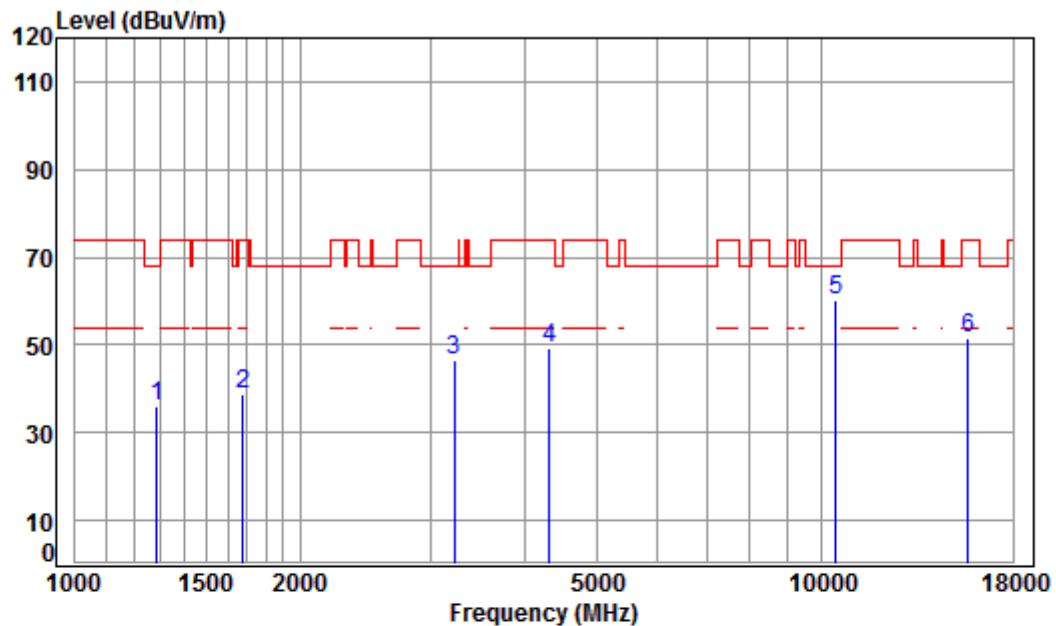


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 39 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

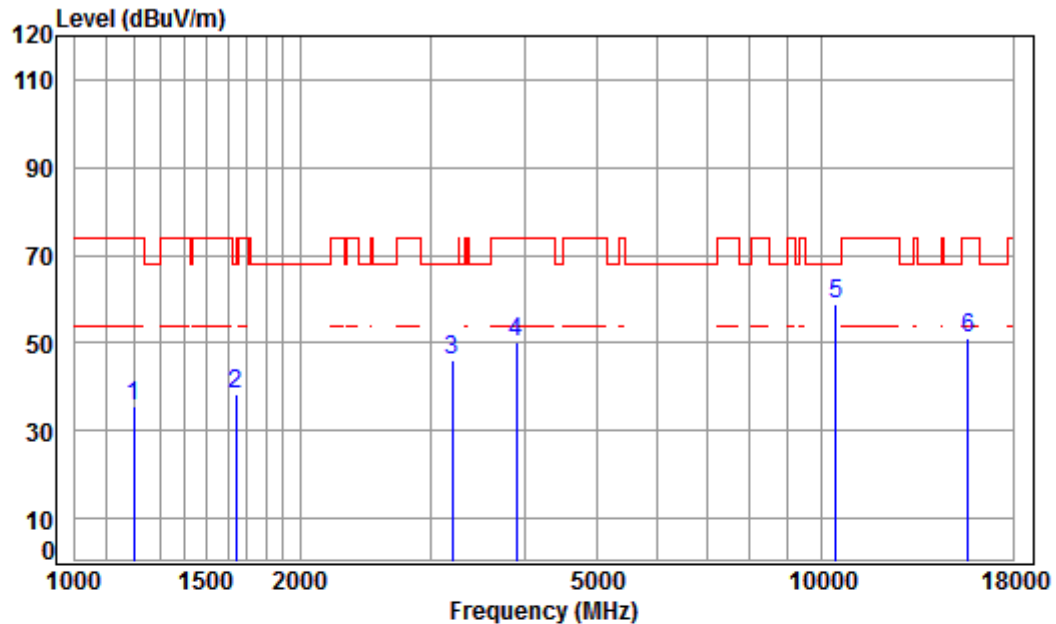
Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.31	35.89	68.20	-32.31	peak
2	1677.621	5.25	26.58	38.03	44.83	38.63	74.00	-35.37	peak
3	3214.623	6.20	31.70	37.92	46.33	46.31	68.20	-21.89	peak
4	4316.859	7.36	33.60	38.17	46.67	49.46	74.00	-24.54	peak
5	pp10440.000	11.25	37.16	35.13	46.80	60.08	68.20	-8.12	peak
6	15660.000	14.48	41.34	38.17	34.12	51.77	74.00	-22.23	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.48	38.07	44.74	35.57	74.00	-38.43	peak
2	1644.019	5.30	26.44	38.03	44.75	38.46	68.20	-29.74	peak
3	3196.094	6.18	31.67	37.92	46.14	46.07	68.20	-22.13	peak
4	3901.516	6.88	33.34	37.99	47.91	50.14	74.00	-23.86	peak
5	pp10440.000	11.25	37.16	35.13	45.65	58.93	68.20	-9.27	peak
6	15660.000	14.48	41.34	38.17	33.30	50.95	74.00	-23.05	peak

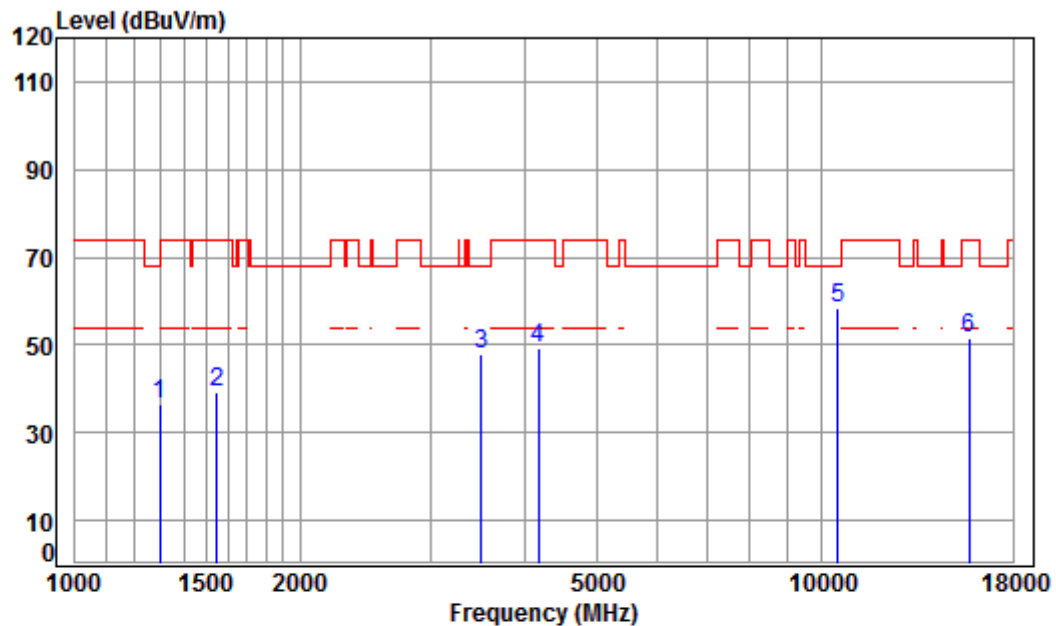


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 41 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

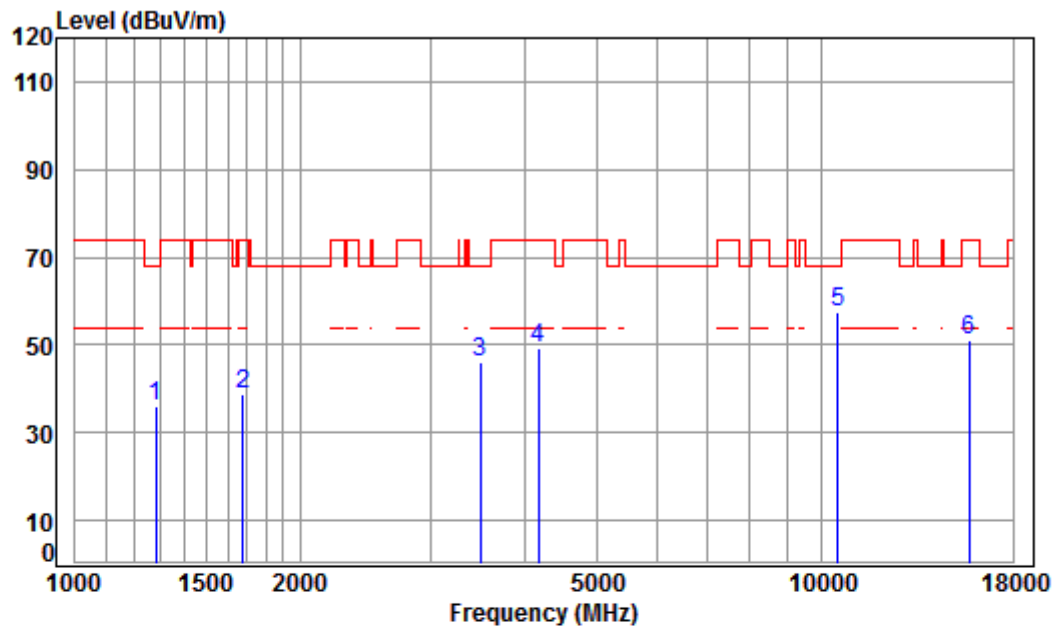
Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.82	36.52	74.00	-37.48	peak
2	1547.199	5.42	26.02	38.04	45.67	39.07	74.00	-34.93	peak
3	3495.691	6.46	32.19	37.95	47.11	47.81	68.20	-20.39	peak
4	4169.698	7.18	33.60	38.09	46.61	49.30	74.00	-24.70	peak
5	pp10480.000	11.28	37.12	35.15	45.10	58.35	68.20	-9.85	peak
6	15720.000	14.57	41.31	38.10	33.83	51.61	74.00	-22.39	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.35	35.89	68.20	-32.31	peak
2	1677.621	5.25	26.58	38.03	44.91	38.71	74.00	-35.29	peak
3	3485.601	6.45	32.18	37.95	45.57	46.25	68.20	-21.95	peak
4	4169.698	7.18	33.60	38.09	46.63	49.32	74.00	-24.68	peak
5	pp10480.000	11.28	37.12	35.15	44.23	57.48	68.20	-10.72	peak
6	15720.000	14.57	41.31	38.10	33.15	50.93	74.00	-23.07	peak

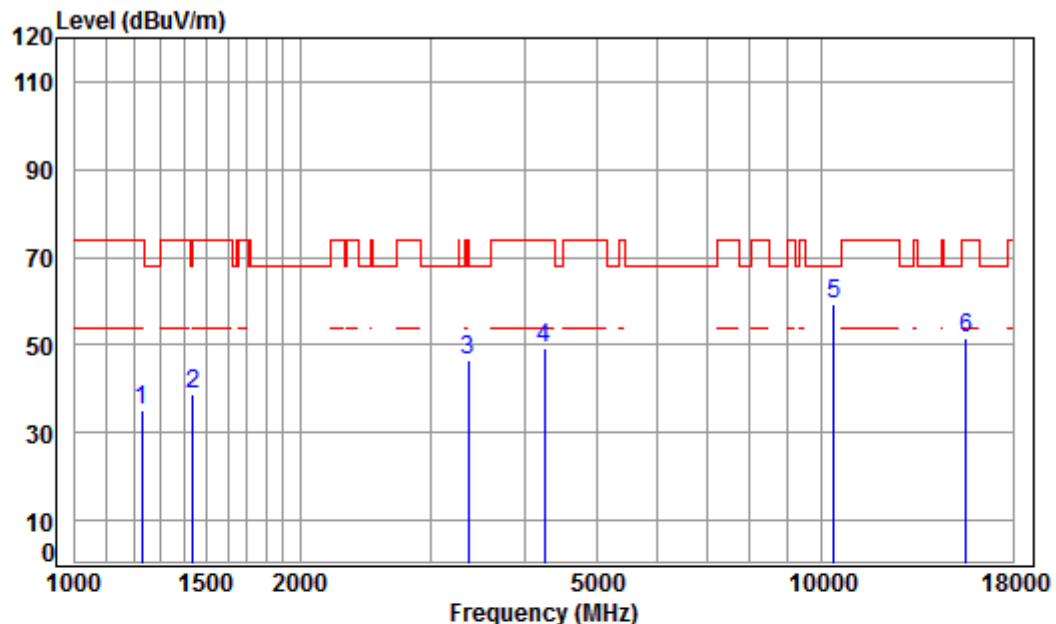


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 43 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.03	35.10	74.00	-38.90	peak
2	1439.343	5.28	25.56	38.05	45.87	38.66	74.00	-35.34	peak
3	3357.061	6.33	31.96	37.94	46.03	46.38	74.00	-27.62	peak
4	4254.921	7.28	33.60	38.14	46.56	49.30	74.00	-24.70	peak
5	pp10380.000	11.21	37.22	35.10	45.78	59.11	68.20	-9.09	peak
6	15570.000	14.35	41.37	38.26	34.19	51.65	74.00	-22.35	peak

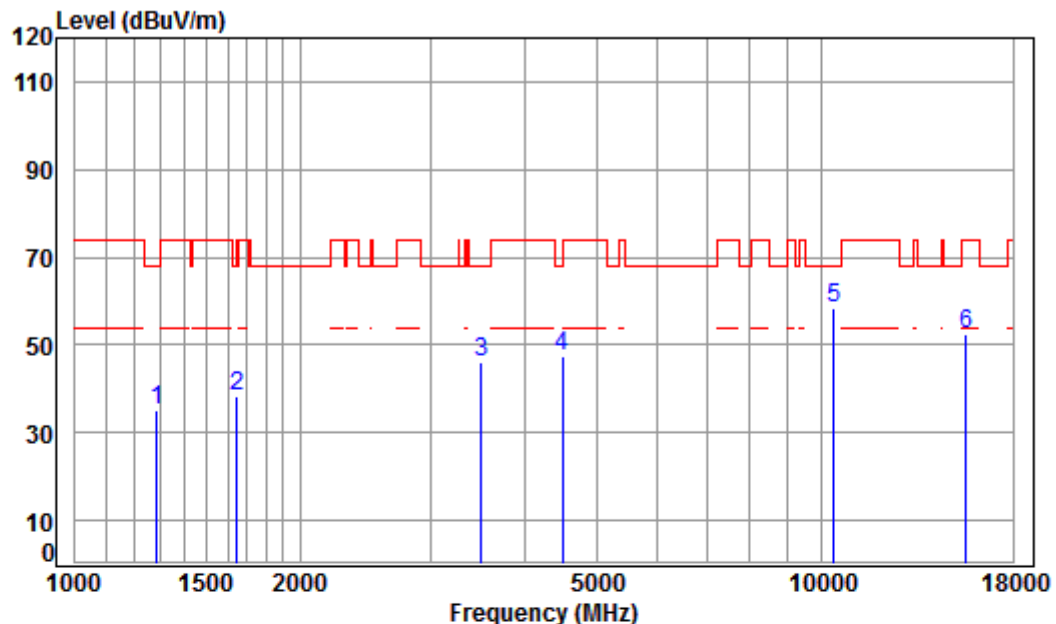


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 44 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	43.69	35.27	68.20	-32.93	peak
2	1648.778	5.29	26.46	38.03	44.54	38.26	68.20	-29.94	peak
3	3495.691	6.46	32.19	37.95	45.45	46.15	68.20	-22.05	peak
4	4495.125	7.55	33.60	38.26	44.52	47.41	68.20	-20.79	peak
5	pp10380.000	11.21	37.22	35.10	45.00	58.33	68.20	-9.87	peak
6	15570.000	14.35	41.37	38.26	35.15	52.61	74.00	-21.39	peak

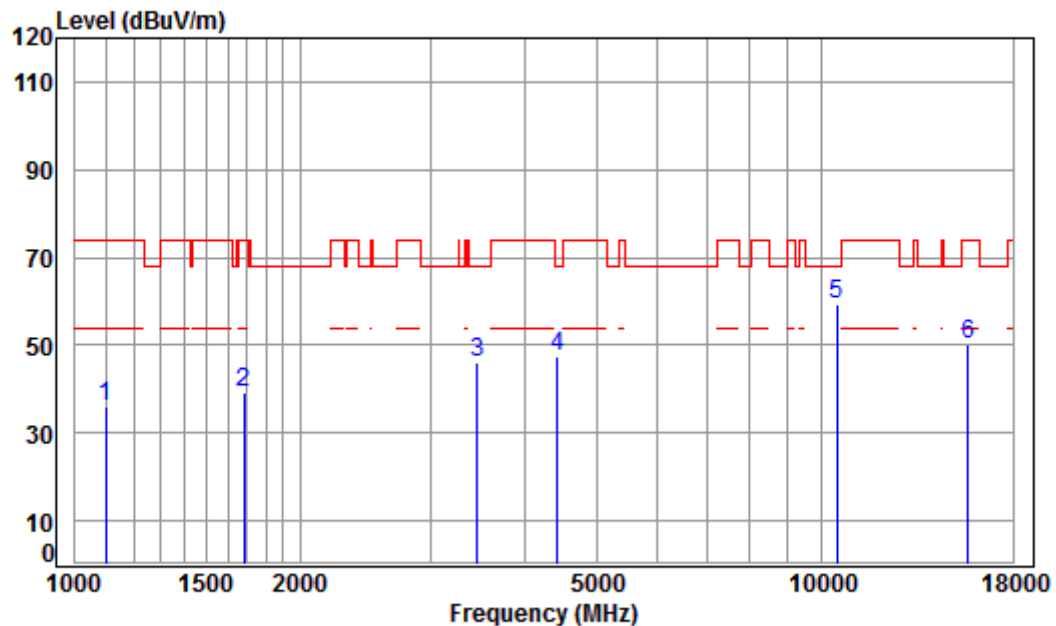


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 45 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1100.079	4.00	23.96	38.09	46.25	36.12	74.00	-37.88	peak
2	1682.477	5.25	26.60	38.02	45.22	39.05	74.00	-34.95	peak
3	3455.508	6.42	32.13	37.95	45.27	45.87	68.20	-22.33	peak
4	4417.841	7.47	33.60	38.22	44.65	47.50	68.20	-20.70	peak
5	pp10460.000	11.26	37.14	35.14	46.25	59.51	68.20	-8.69	peak
6	15690.000	14.53	41.32	38.13	32.52	50.24	74.00	-23.76	peak

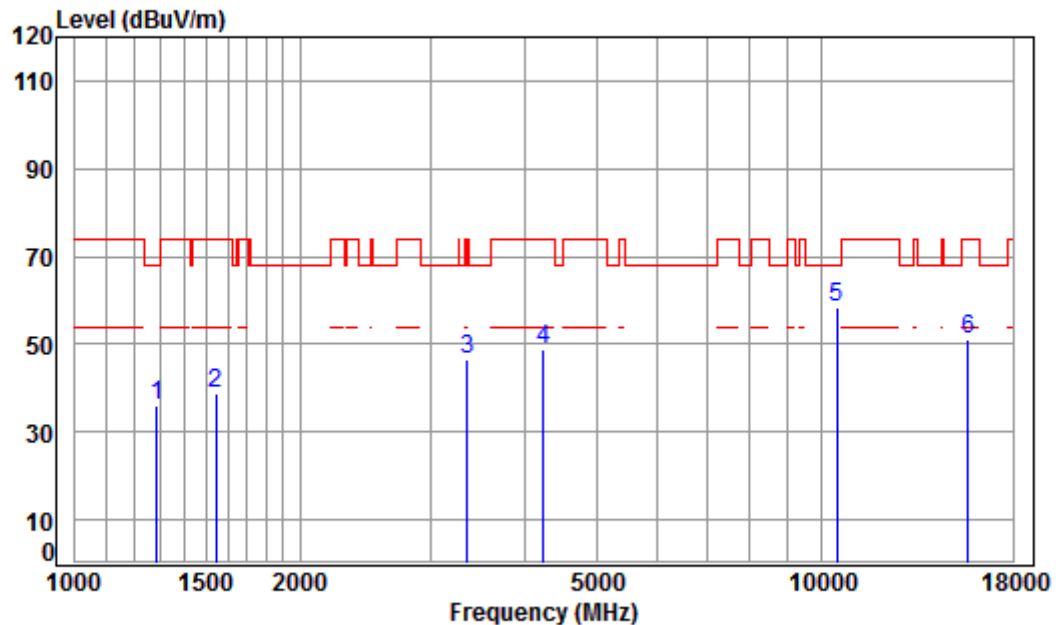


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 46 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.35	35.93	68.20	-32.27	peak
2	1542.733	5.42	26.00	38.04	45.42	38.80	74.00	-35.20	peak
3	3347.371	6.32	31.94	37.94	46.21	46.53	74.00	-27.47	peak
4	4230.396	7.26	33.60	38.13	46.24	48.97	74.00	-25.03	peak
5	10460.000	11.26	37.14	35.14	45.13	58.39	68.20	-9.81	peak
6	15690.000	14.53	41.32	38.13	33.36	51.08	74.00	-22.92	peak

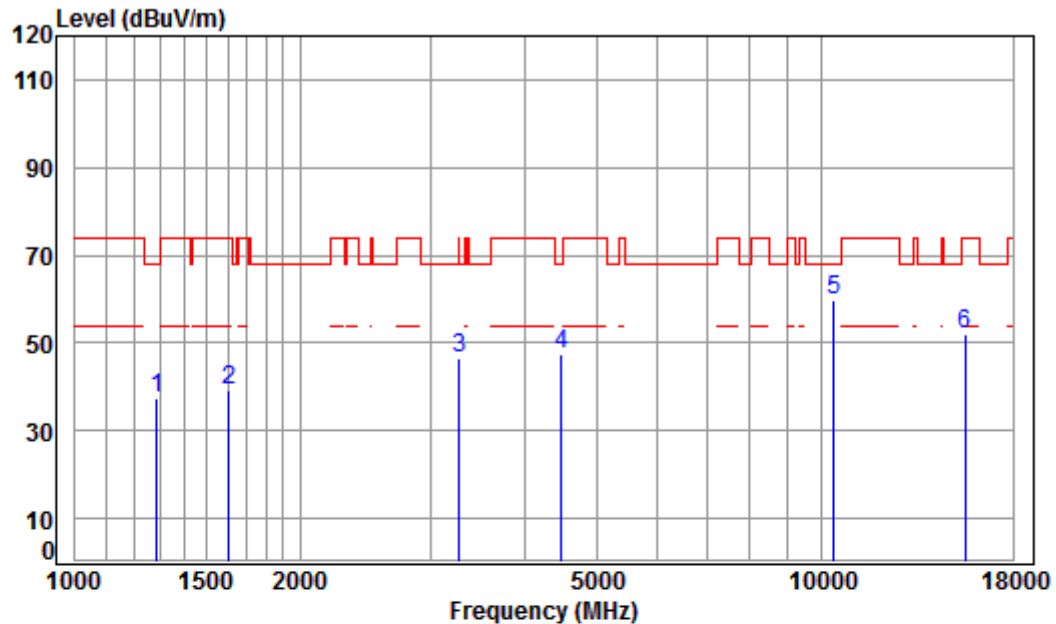


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 47 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	45.73	37.31	68.20	-30.89	peak
2	1606.441	5.34	26.28	38.03	45.51	39.10	74.00	-34.90	peak
3	3270.858	6.25	31.80	37.93	46.35	46.47	68.20	-21.73	peak
4	4482.150	7.54	33.60	38.26	44.73	47.61	68.20	-20.59	peak
5	pp10360.000	11.19	37.24	35.09	46.36	59.70	68.20	-8.50	peak
6	15540.000	14.30	41.38	38.30	34.43	51.81	74.00	-22.19	peak

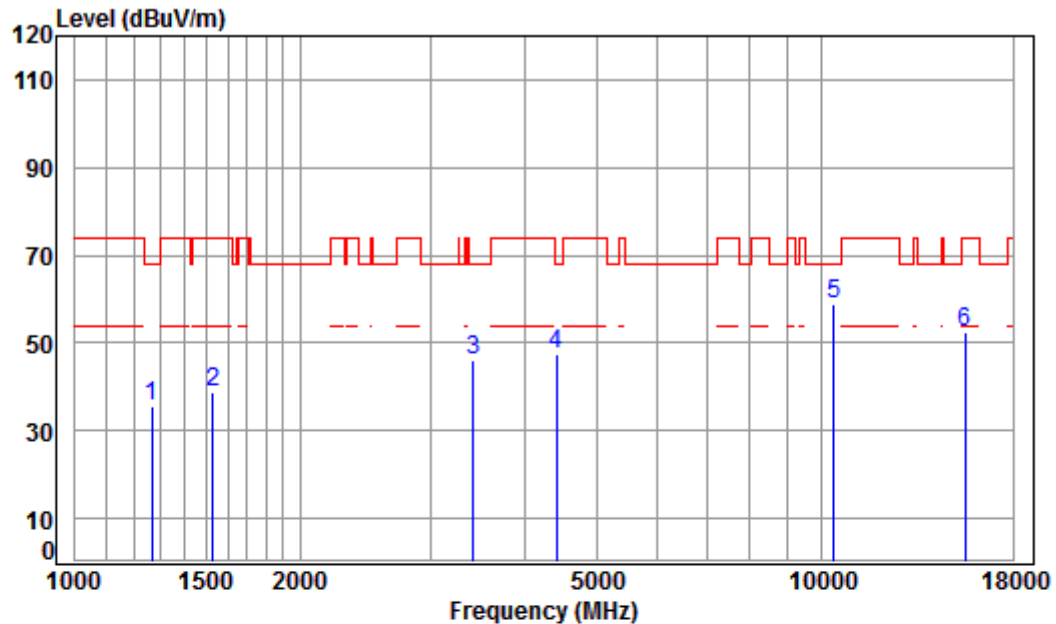


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 48 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.25	35.66	68.20	-32.54	peak
2	1529.414	5.44	25.94	38.04	45.27	38.61	74.00	-35.39	peak
3	3415.787	6.38	32.06	37.95	45.70	46.19	68.20	-22.01	peak
4	4405.090	7.46	33.60	38.22	44.70	47.54	68.20	-20.66	peak
5	pp10360.000	11.19	37.24	35.09	45.53	58.87	68.20	-9.33	peak
6	15540.000	14.30	41.38	38.30	35.10	52.48	74.00	-21.52	peak

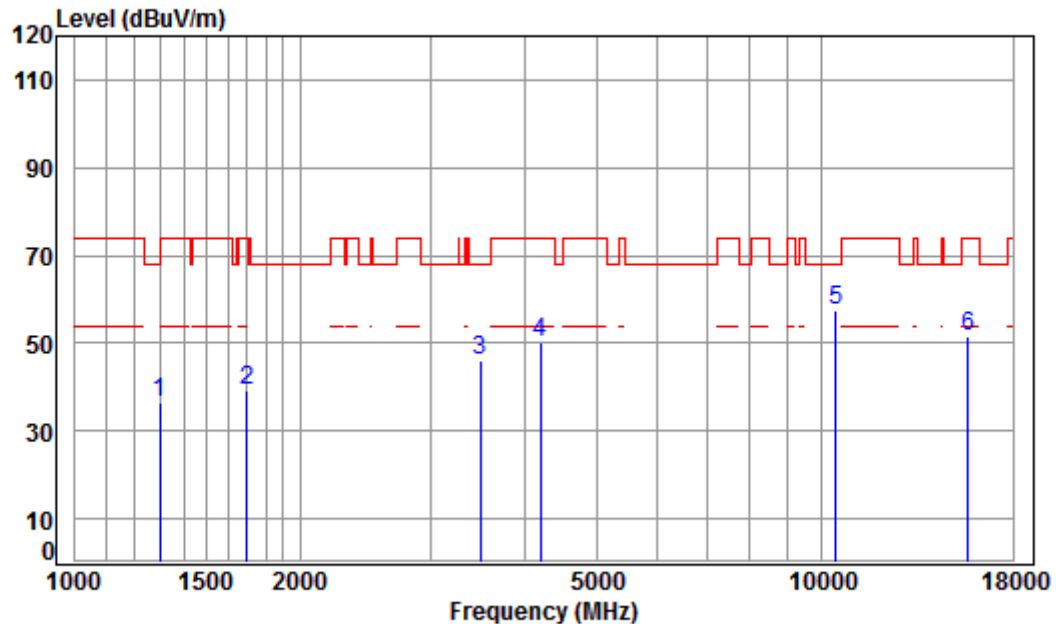


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 49 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.62	36.32	74.00	-37.68	peak
2	1697.129	5.23	26.66	38.02	45.54	39.41	74.00	-34.59	peak
3	3485.601	6.45	32.18	37.95	45.27	45.95	68.20	-22.25	peak
4	4193.872	7.21	33.60	38.11	47.66	50.36	74.00	-23.64	peak
5	pp10440.000	11.25	37.16	35.13	44.43	57.71	68.20	-10.49	peak
6	15660.000	14.48	41.34	38.17	34.01	51.66	74.00	-22.34	peak

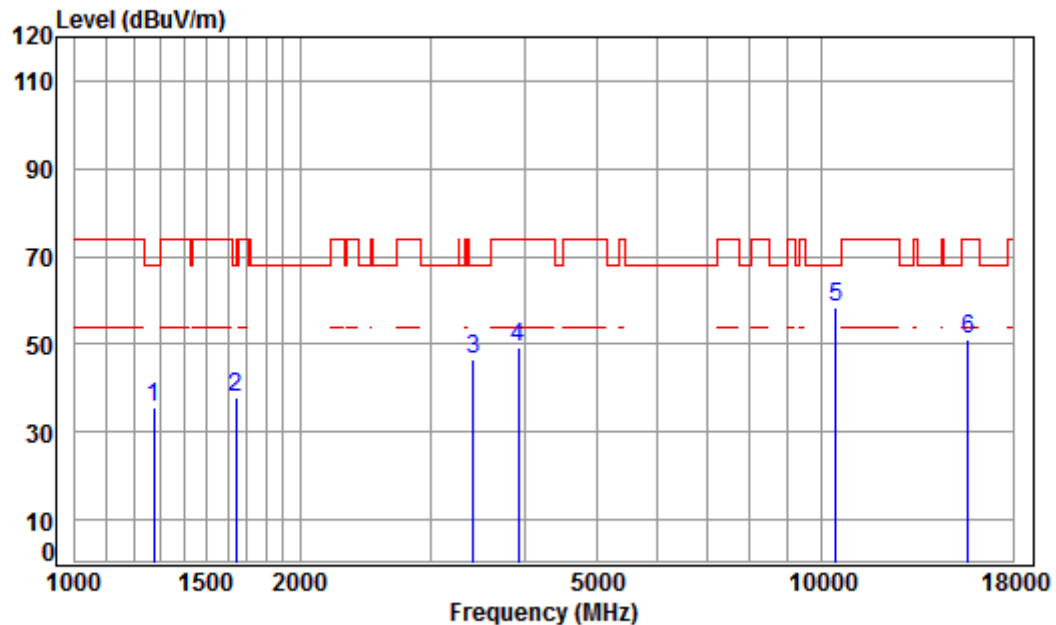


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 50 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

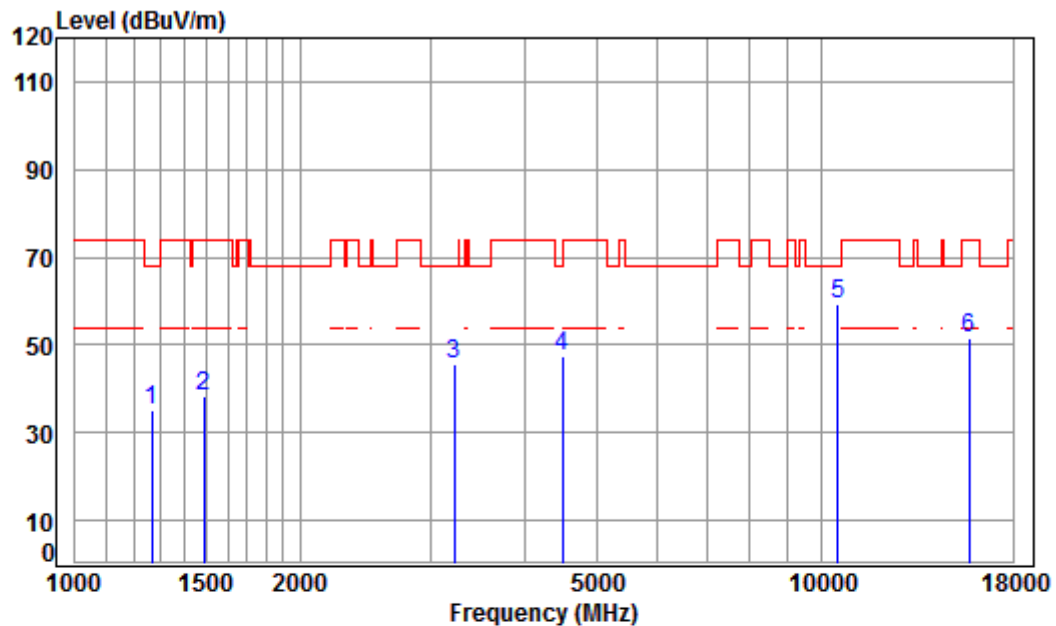
Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.30	35.79	68.20	-32.41	peak
2	1644.019	5.30	26.44	38.03	44.24	37.95	68.20	-30.25	peak
3	3415.787	6.38	32.06	37.95	46.10	46.59	68.20	-21.61	peak
4	3924.135	6.91	33.40	37.99	47.11	49.43	74.00	-24.57	peak
5	10440.000	11.25	37.16	35.13	45.31	58.59	68.20	-9.61	peak
6	15660.000	14.48	41.34	38.17	33.63	51.28	74.00	-22.72	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

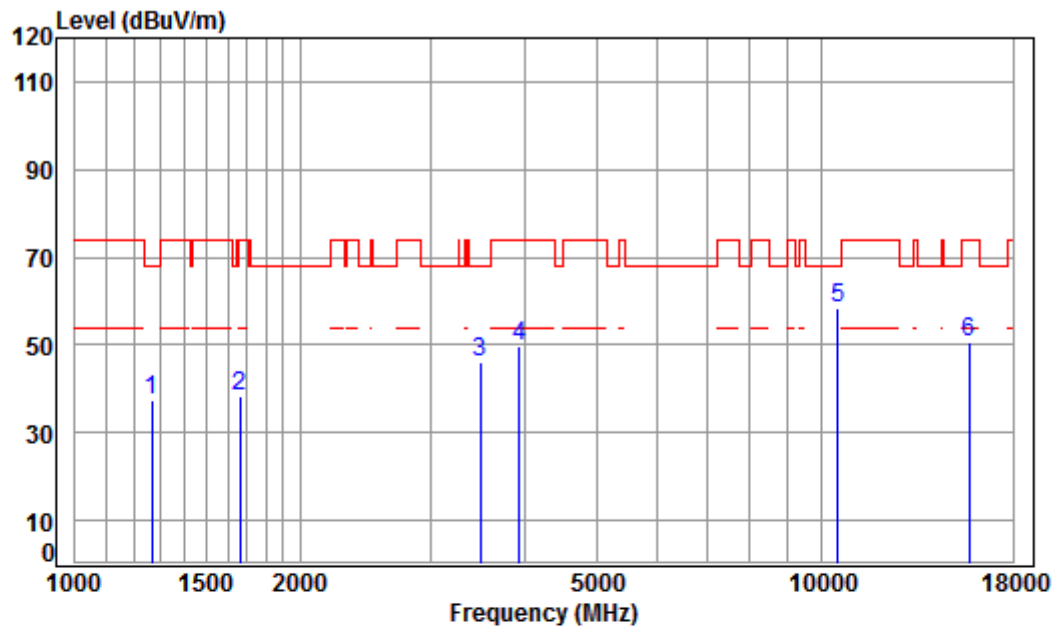
Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	43.83	35.24	68.20	-32.96	peak
2	1490.142	5.45	25.76	38.04	45.15	38.32	74.00	-35.68	peak
3	3214.623	6.20	31.70	37.92	45.81	45.79	68.20	-22.41	peak
4	4495.125	7.55	33.60	38.26	44.56	47.45	68.20	-20.75	peak
5	pp10480.000	11.28	37.12	35.15	46.08	59.33	68.20	-8.87	peak
6	15720.000	14.57	41.31	38.10	33.78	51.56	74.00	-22.44	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	46.08	37.49	68.20	-30.71	peak
2	1663.137	5.27	26.52	38.03	44.64	38.40	74.00	-35.60	peak
3	3485.601	6.45	32.18	37.95	45.38	46.06	68.20	-22.14	peak
4	3935.493	6.92	33.43	37.99	47.29	49.65	74.00	-24.35	peak
5	pp10480.000	11.28	37.12	35.15	45.05	58.30	68.20	-9.90	peak
6	15720.000	14.57	41.31	38.10	32.74	50.52	74.00	-23.48	peak

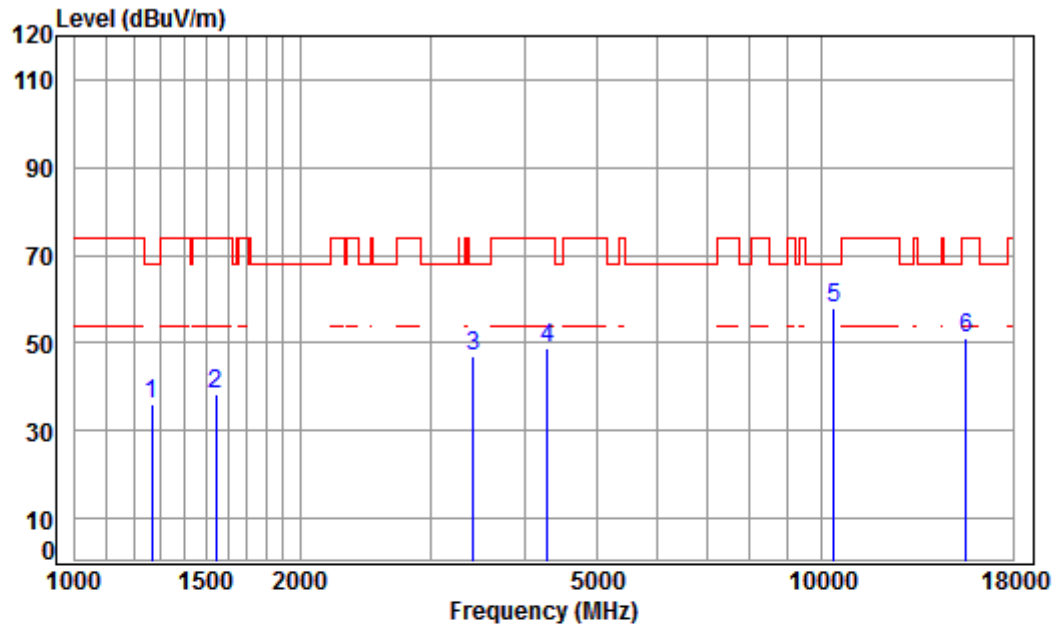


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 53 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.46	35.87	68.20	-32.33	peak
2	1542.733	5.42	26.00	38.04	44.77	38.15	74.00	-35.85	peak
3	3415.787	6.38	32.06	37.95	46.57	47.06	68.20	-21.14	peak
4	4291.977	7.33	33.60	38.16	46.21	48.98	74.00	-25.02	peak
5	pp10380.000	11.21	37.22	35.10	44.82	58.15	68.20	-10.05	peak
6	15570.000	14.35	41.37	38.26	33.62	51.08	74.00	-22.92	peak

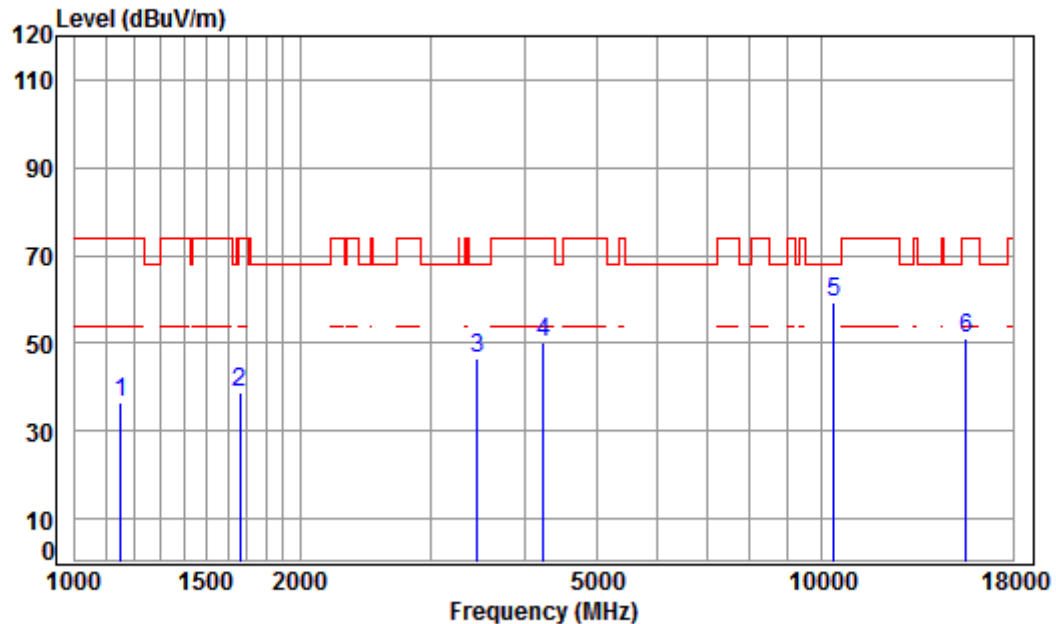


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 54 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

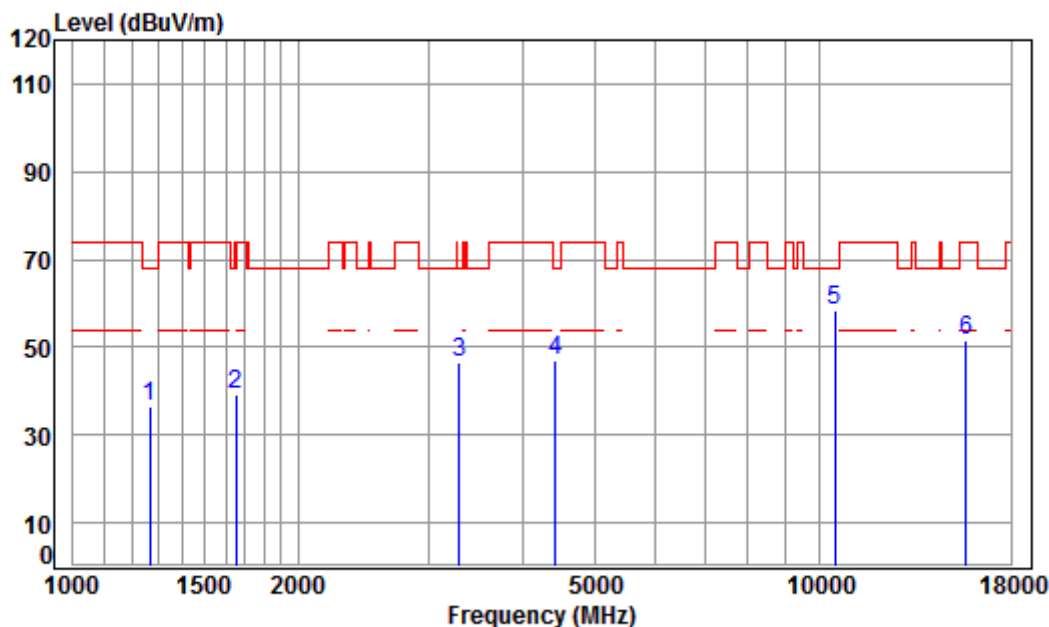
Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1152.148	4.22	24.24	38.08	46.25	36.63	74.00	-37.37	peak
2	1663.137	5.27	26.52	38.03	44.94	38.70	74.00	-35.30	peak
3	3455.508	6.42	32.13	37.95	46.08	46.68	68.20	-21.52	peak
4	4230.396	7.26	33.60	38.13	47.29	50.02	74.00	-23.98	peak
5	pp10380.000	11.21	37.22	35.10	45.97	59.30	68.20	-8.90	peak
6	15570.000	14.35	41.37	38.26	33.58	51.04	74.00	-22.96	peak

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

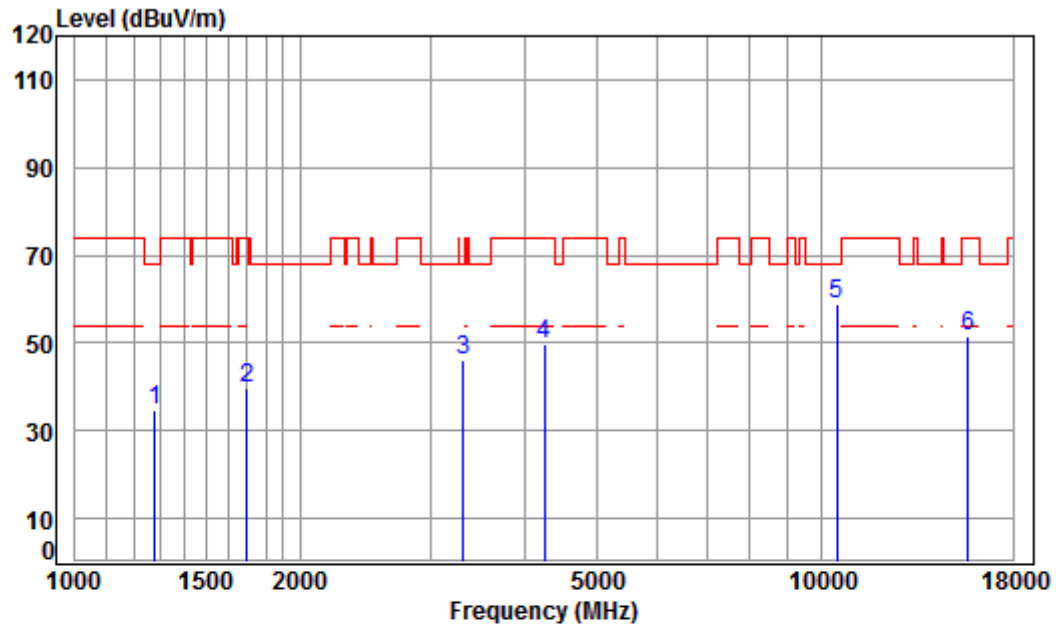
Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	45.22	36.63	68.20	-31.57	peak
2	1653.550	5.28	26.48	38.03	45.34	39.07	68.20	-29.13	peak
3	3289.821	6.27	31.84	37.93	46.37	46.55	68.20	-21.65	peak
4	4417.841	7.47	33.60	38.22	44.30	47.15	68.20	-21.05	peak
5	pp10460.000	11.26	37.14	35.14	45.09	58.35	68.20	-9.85	peak
6	15690.000	14.53	41.32	38.13	33.89	51.61	74.00	-22.39	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

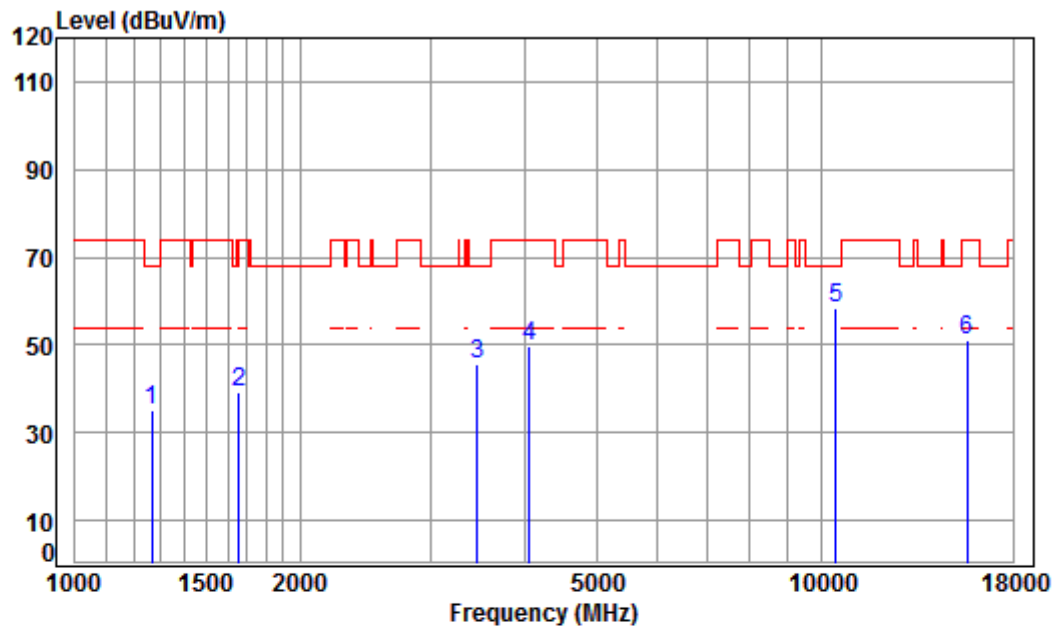
Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	43.33	34.84	68.20	-33.36	peak
2	1697.129	5.23	26.66	38.02	45.77	39.64	74.00	-34.36	peak
3	3308.894	6.29	31.87	37.93	45.87	46.10	68.20	-22.10	peak
4	4242.641	7.27	33.60	38.13	46.77	49.51	74.00	-24.49	peak
5	pp10460.000	11.26	37.14	35.14	45.39	58.65	68.20	-9.55	peak
6	15690.000	14.53	41.32	38.13	33.74	51.46	74.00	-22.54	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	43.83	35.24	68.20	-32.96	peak
2	1658.337	5.28	26.50	38.03	45.27	39.02	68.20	-29.18	peak
3	3455.508	6.42	32.13	37.95	45.23	45.83	68.20	-22.37	peak
4	4050.904	7.04	33.60	38.03	47.29	49.90	74.00	-24.10	peak
5	pp10420.000	11.24	37.18	35.12	45.14	58.44	68.20	-9.76	peak
6	15630.000	14.44	41.35	38.20	33.36	50.95	74.00	-23.05	peak

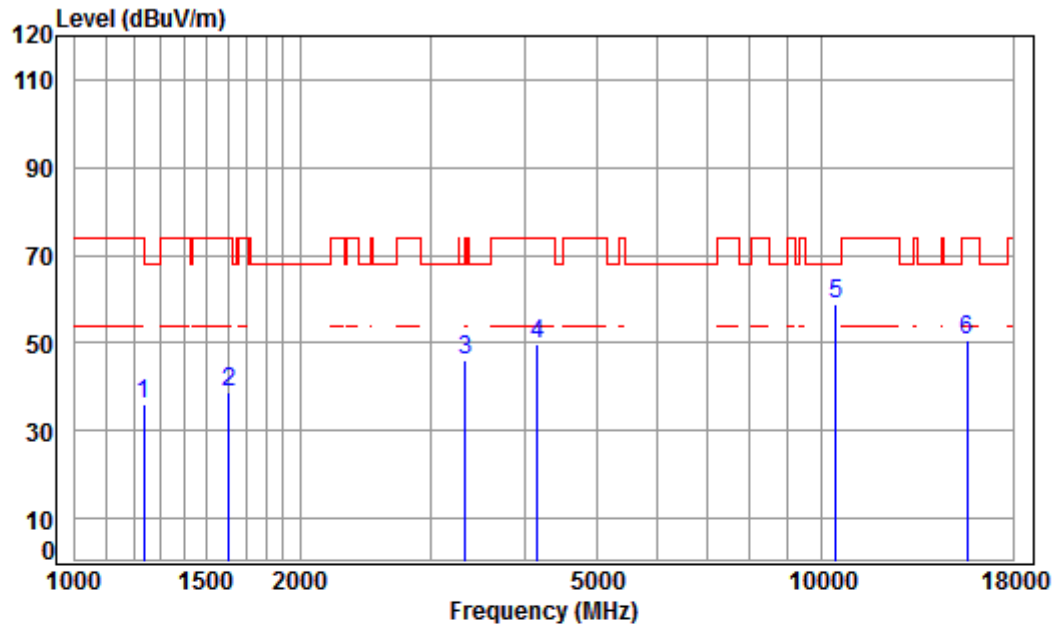


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 58 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	45.01	36.14	74.00	-37.86	peak
2	1606.441	5.34	26.28	38.03	45.00	38.59	74.00	-35.41	peak
3	3328.077	6.30	31.91	37.94	46.01	46.28	68.20	-21.92	peak
4	4157.664	7.17	33.60	38.09	46.86	49.54	74.00	-24.46	peak
5	pp10420.000	11.24	37.18	35.12	45.46	58.76	68.20	-9.44	peak
6	15630.000	14.44	41.35	38.20	33.03	50.62	74.00	-23.38	peak

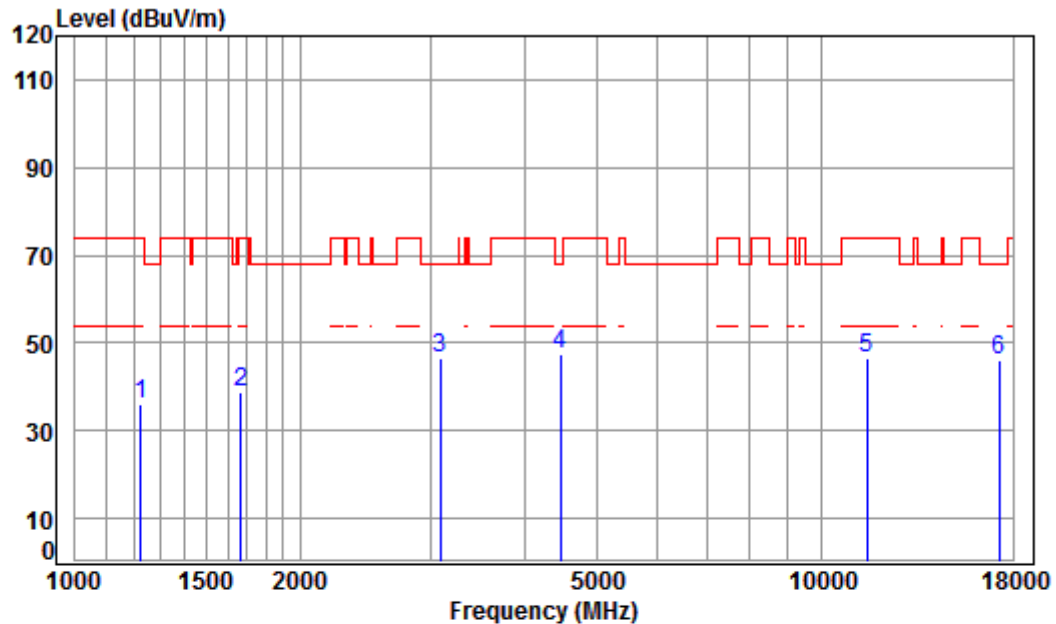


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 59 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

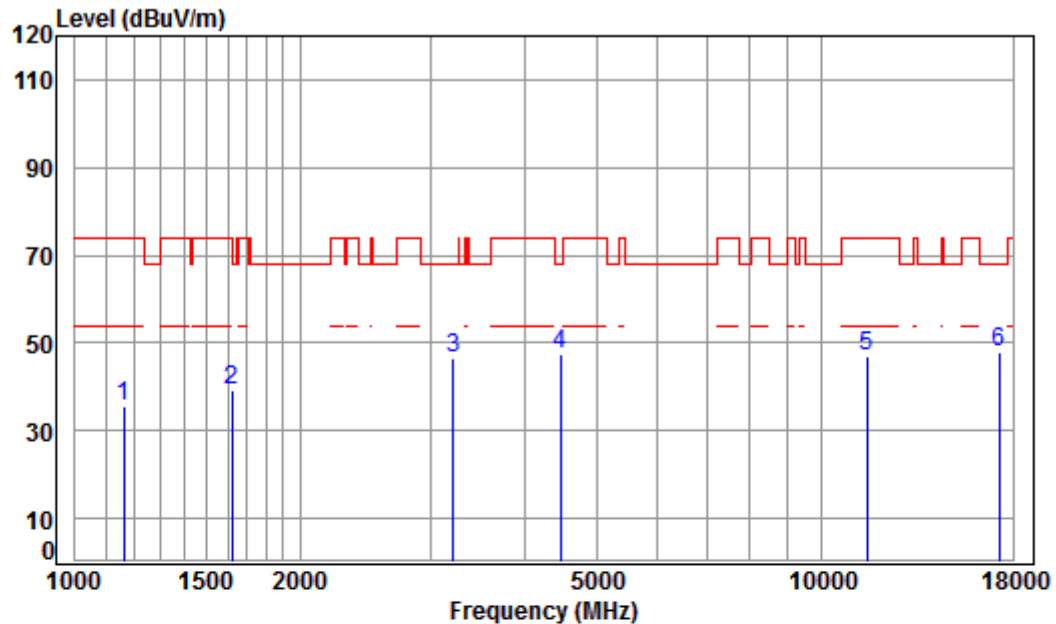
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	45.08	36.12	74.00	-37.88	peak
2	1667.951	5.27	26.54	38.03	45.23	39.01	74.00	-34.99	peak
3	3087.140	6.07	31.47	37.91	47.02	46.65	68.20	-21.55	peak
4	pp 4469.214	7.53	33.60	38.25	44.41	47.29	68.20	-20.91	peak
5	11490.000	12.13	38.09	36.00	32.23	46.45	74.00	-27.55	peak
6	17235.000	16.18	43.08	36.18	22.82	45.90	68.20	-22.30	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1162.182	4.27	24.29	38.08	45.33	35.81	74.00	-38.19	peak
2	1620.431	5.32	26.34	38.03	45.49	39.12	74.00	-34.88	peak
3	3205.345	6.19	31.69	37.92	46.53	46.49	68.20	-21.71	peak
4	4469.214	7.53	33.60	38.25	44.73	47.61	68.20	-20.59	peak
5	11490.000	12.13	38.09	36.00	32.55	46.77	74.00	-27.23	peak
6	pp17235.000	16.18	43.08	36.18	24.61	47.69	68.20	-20.51	peak

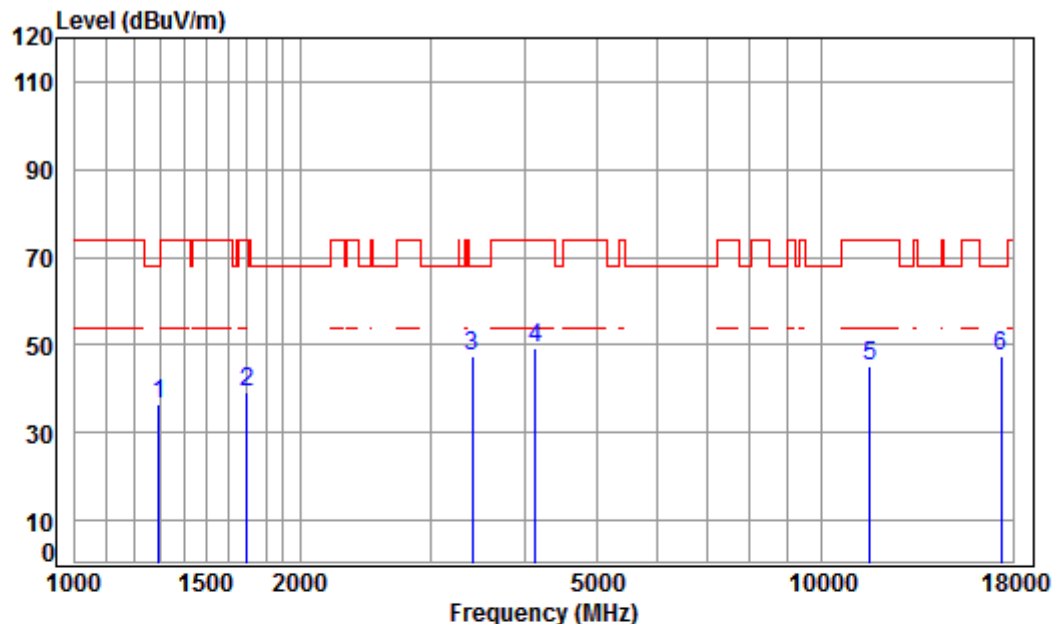


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 61 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

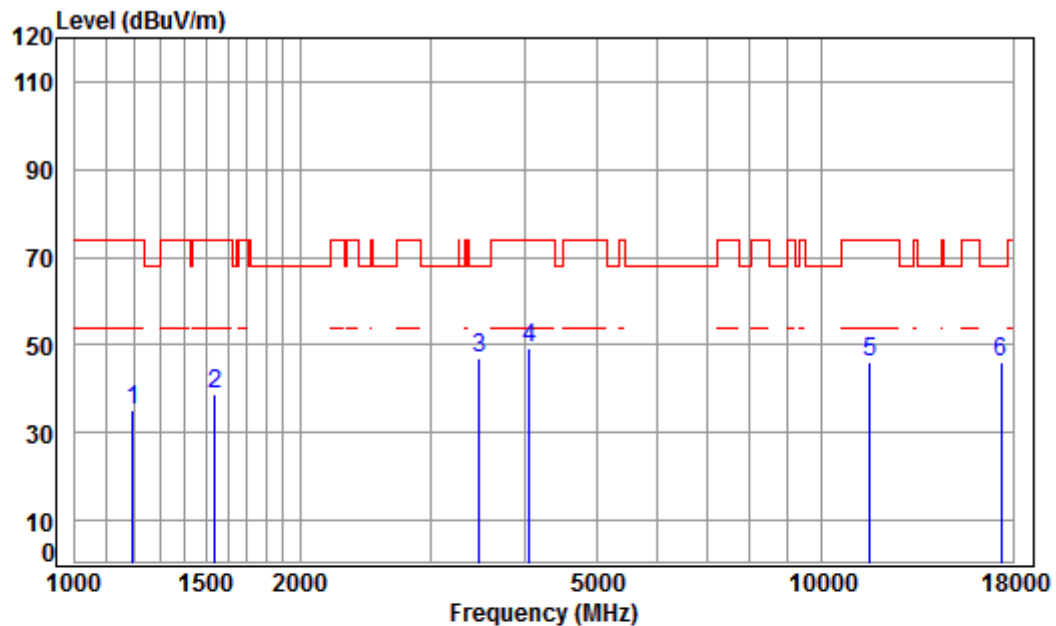
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	44.79	36.42	68.20	-31.78	peak
2	1697.129	5.23	26.66	38.02	45.16	39.03	74.00	-34.97	peak
3 pp	3405.929	6.38	32.04	37.94	47.02	47.50	68.20	-20.70	peak
4	4133.699	7.14	33.60	38.07	46.71	49.38	74.00	-24.62	peak
5	11570.000	12.17	38.17	36.10	30.83	45.07	74.00	-28.93	peak
6	17355.000	15.92	43.23	36.12	24.32	47.35	68.20	-20.85	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

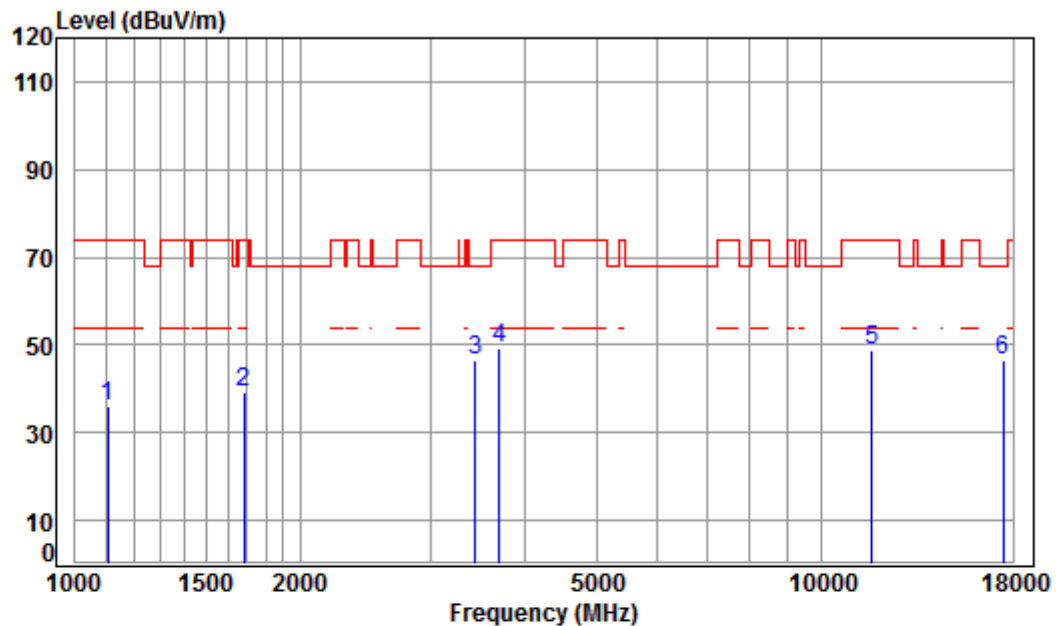
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	38.07	44.24	35.03	74.00	-38.97	peak
2	1538.281	5.43	25.98	38.04	45.23	38.60	74.00	-35.40	peak
3 pp	3475.541	6.44	32.16	37.95	46.54	47.19	68.20	-21.01	peak
4	4050.904	7.04	33.60	38.03	46.62	49.23	74.00	-24.77	peak
5	11570.000	12.17	38.17	36.10	31.77	46.01	74.00	-27.99	peak
6	17355.000	15.92	43.23	36.12	23.25	46.28	68.20	-21.92	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1106.457	4.03	24.00	38.09	45.96	35.90	74.00	-38.10	peak
2	1682.477	5.25	26.60	38.02	45.18	39.01	74.00	-34.99	peak
3	3435.590	6.40	32.09	37.95	46.03	46.57	68.20	-21.63	peak
4	3703.723	6.68	32.79	37.97	47.97	49.47	74.00	-24.53	peak
5	11650.000	12.20	38.25	36.19	34.44	48.70	74.00	-25.30	peak
6	pp17475.000	15.65	43.37	36.06	23.66	46.62	68.20	-21.58	peak

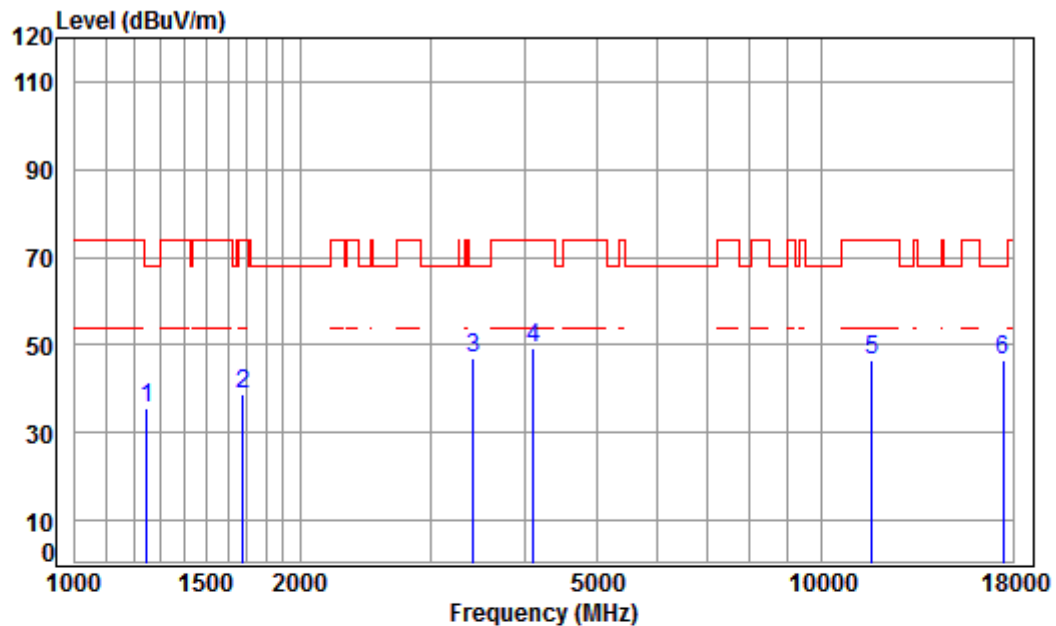


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 64 of 583

Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	38.07	44.37	35.63	68.20	-32.57	peak
2	1677.621	5.25	26.58	38.03	44.86	38.66	74.00	-35.34	peak
3 pp	3415.787	6.38	32.06	37.95	46.41	46.90	68.20	-21.30	peak
4	4109.872	7.11	33.60	38.06	46.72	49.37	74.00	-24.63	peak
5	11650.000	12.20	38.25	36.19	32.26	46.52	74.00	-27.48	peak
6	17475.000	15.65	43.37	36.06	23.51	46.47	68.20	-21.73	peak

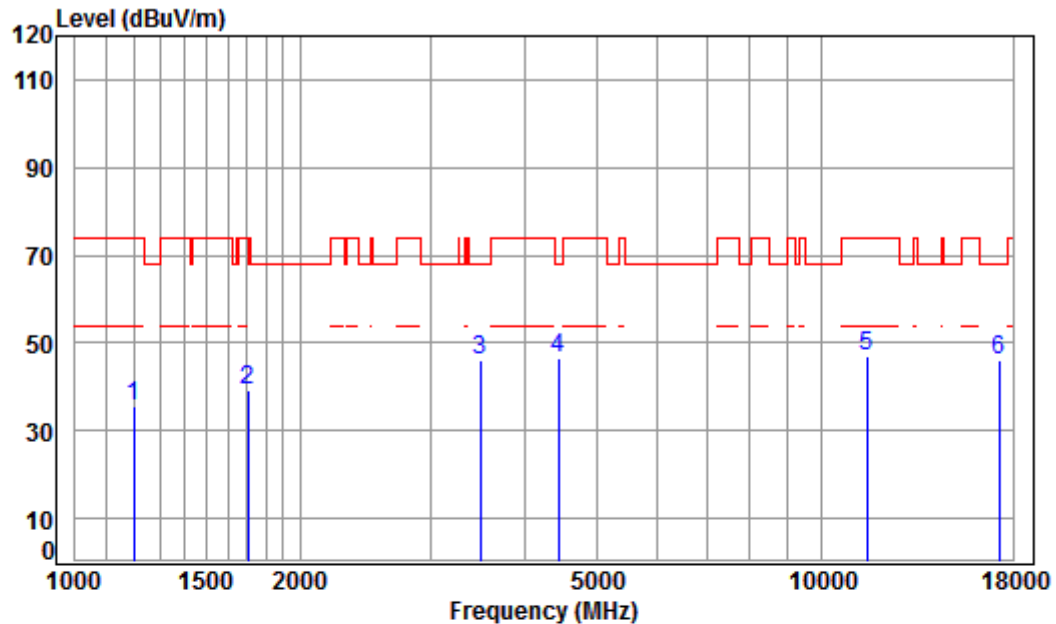


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 65 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.48	38.07	44.76	35.59	74.00	-38.41	peak
2	1702.042	5.23	26.68	38.02	45.39	39.28	74.00	-34.72	peak
3	3485.601	6.45	32.18	37.95	45.28	45.96	68.20	-22.24	peak
4 pp	4430.628	7.48	33.60	38.23	43.90	46.75	68.20	-21.45	peak
5	11490.000	12.13	38.09	36.00	32.56	46.78	74.00	-27.22	peak
6	17235.000	16.18	43.08	36.18	23.12	46.20	68.20	-22.00	peak

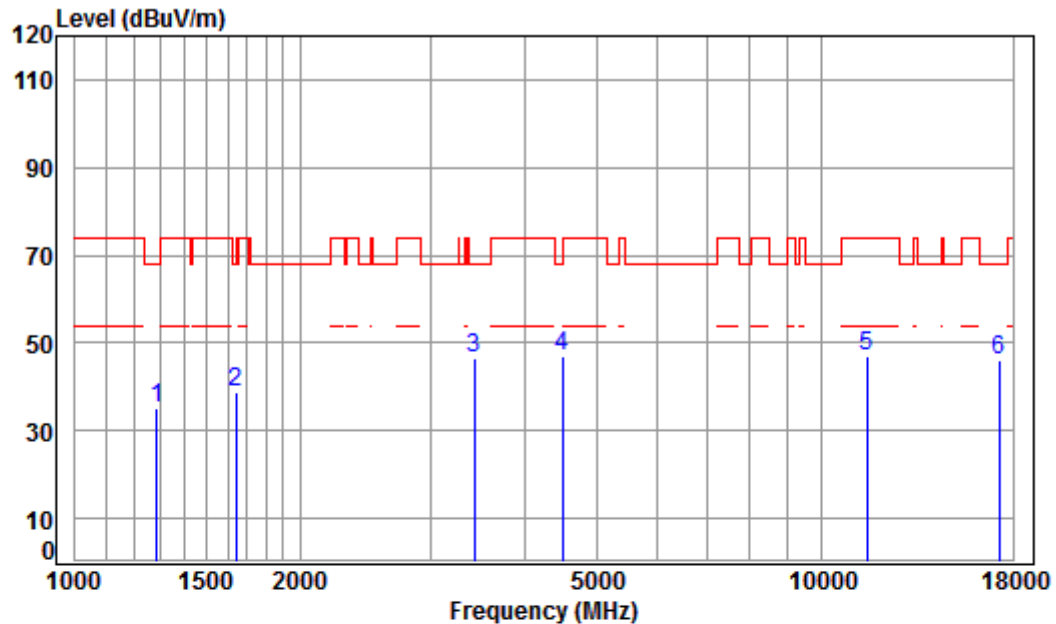


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 66 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

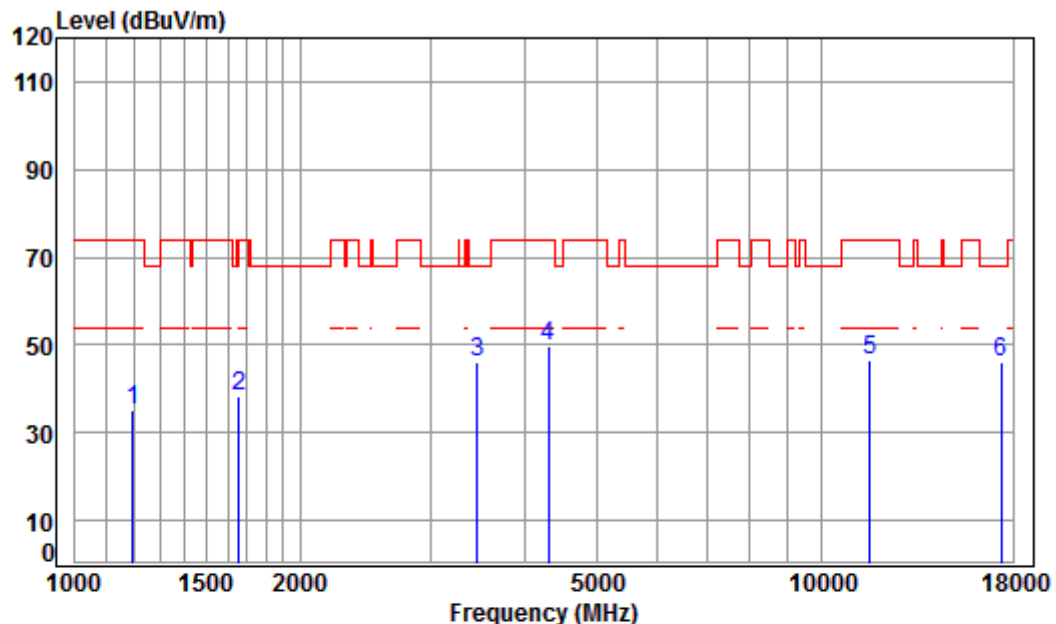
Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	43.67	35.25	68.20	-32.95	peak
2	1644.019	5.30	26.44	38.03	44.89	38.60	68.20	-29.60	peak
3	3425.675	6.39	32.07	37.95	46.01	46.52	68.20	-21.68	peak
4	4495.125	7.55	33.60	38.26	44.05	46.94	68.20	-21.26	peak
5	11490.000	12.13	38.09	36.00	32.94	47.16	74.00	-26.84	peak
6	17235.000	16.18	43.08	36.18	23.20	46.28	68.20	-21.92	peak



Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	38.07	44.53	35.32	74.00	-38.68	peak
2	1658.337	5.28	26.50	38.03	44.69	38.44	68.20	-29.76	peak
3	3455.508	6.42	32.13	37.95	45.52	46.12	68.20	-22.08	peak
4	4304.400	7.34	33.60	38.16	46.93	49.71	74.00	-24.29	peak
5	11570.000	12.17	38.17	36.10	32.44	46.68	74.00	-27.32	peak
6	pp17355.000	15.92	43.23	36.12	23.19	46.22	68.20	-21.98	peak

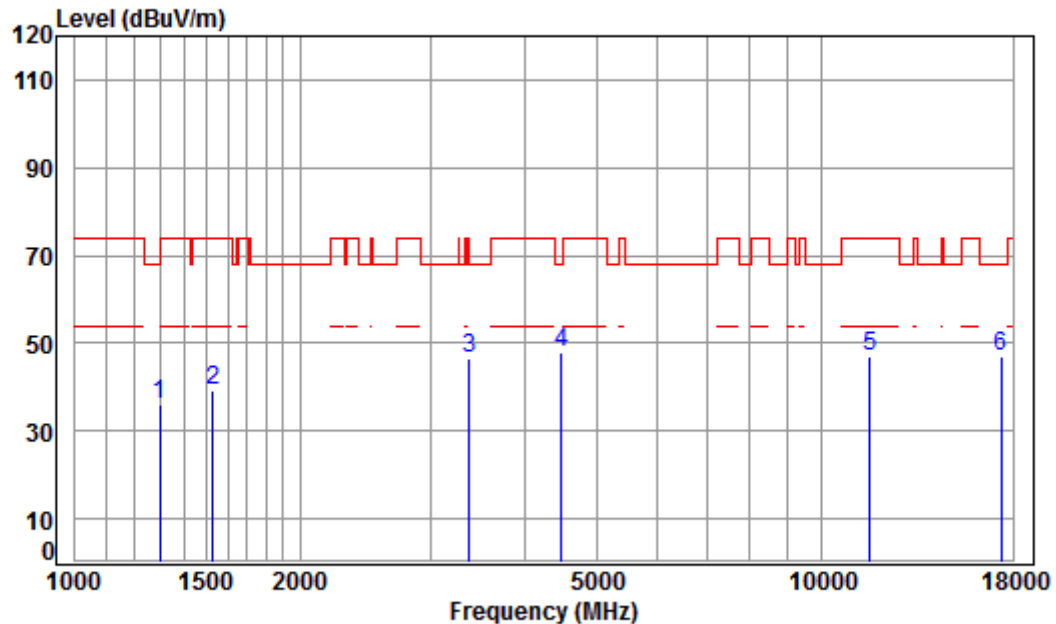


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 68 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.23	35.93	74.00	-38.07	peak
2	1529.414	5.44	25.94	38.04	45.93	39.27	74.00	-34.73	peak
3	3366.778	6.34	31.97	37.94	46.19	46.56	68.20	-21.64	peak
4 pp	4482.150	7.54	33.60	38.26	45.10	47.98	68.20	-20.22	peak
5	11570.000	12.17	38.17	36.10	32.66	46.90	74.00	-27.10	peak
6	17355.000	15.92	43.23	36.12	24.01	47.04	68.20	-21.16	peak

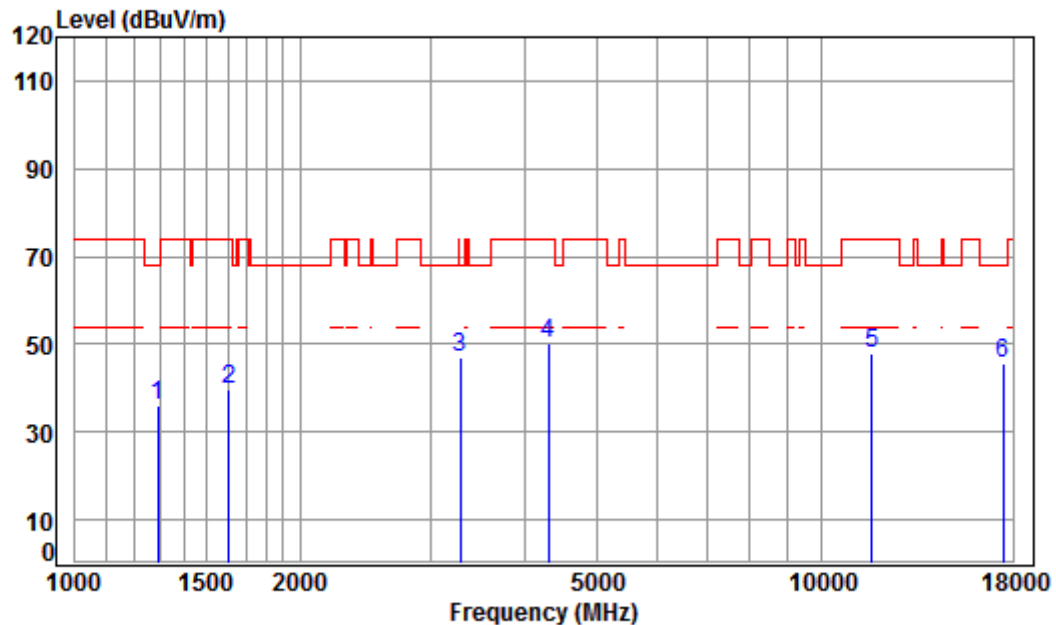


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 69 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

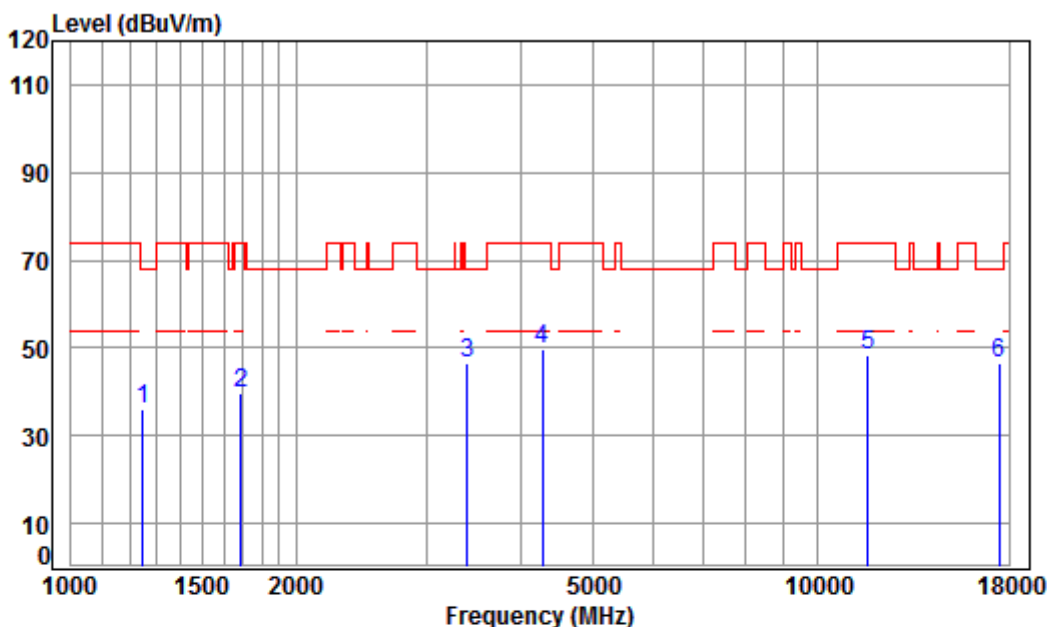
Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.40	36.01	68.20	-32.19	peak
2	1606.441	5.34	26.28	38.03	46.16	39.75	74.00	-34.25	peak
3 pp	3280.326	6.26	31.82	37.93	46.77	46.92	68.20	-21.28	peak
4	4304.400	7.34	33.60	38.16	47.32	50.10	74.00	-23.90	peak
5	11650.000	12.20	38.25	36.19	33.43	47.69	74.00	-26.31	peak
6	17475.000	15.65	43.37	36.06	22.76	45.72	68.20	-22.48	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

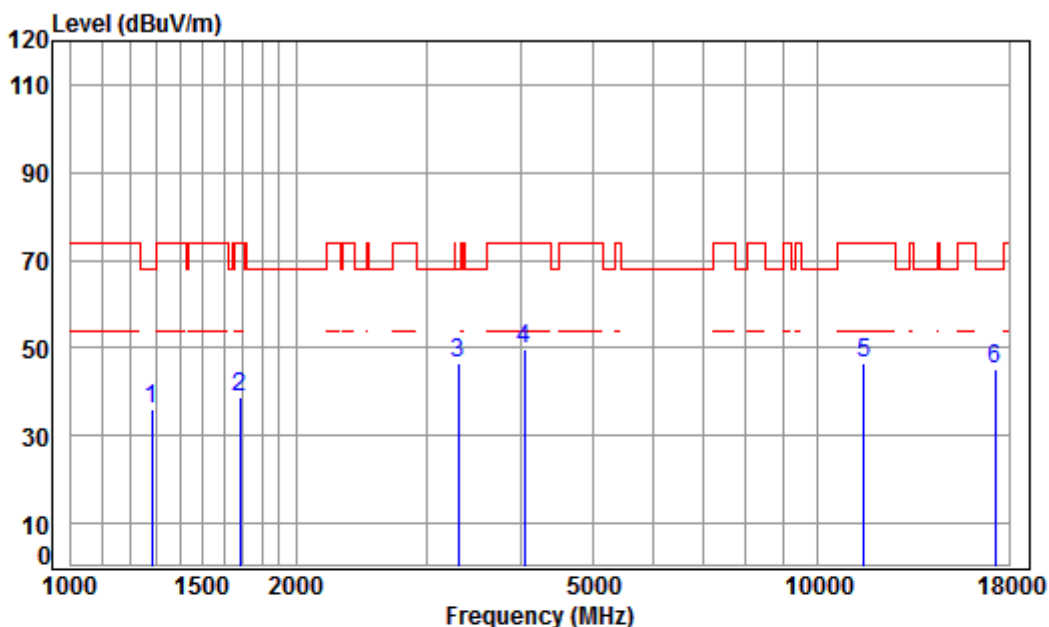
Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	38.07	44.58	35.84	68.20	-32.36	peak
2	1687.347	5.24	26.62	38.02	45.88	39.72	74.00	-34.28	peak
3 pp	3396.098	6.37	32.02	37.94	46.09	46.54	68.20	-21.66	peak
4	4279.589	7.31	33.60	38.15	46.93	49.69	74.00	-24.31	peak
5	11650.000	12.20	38.25	36.19	33.91	48.17	74.00	-25.83	peak
6	17475.000	15.65	43.37	36.06	23.45	46.41	68.20	-21.79	peak



Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

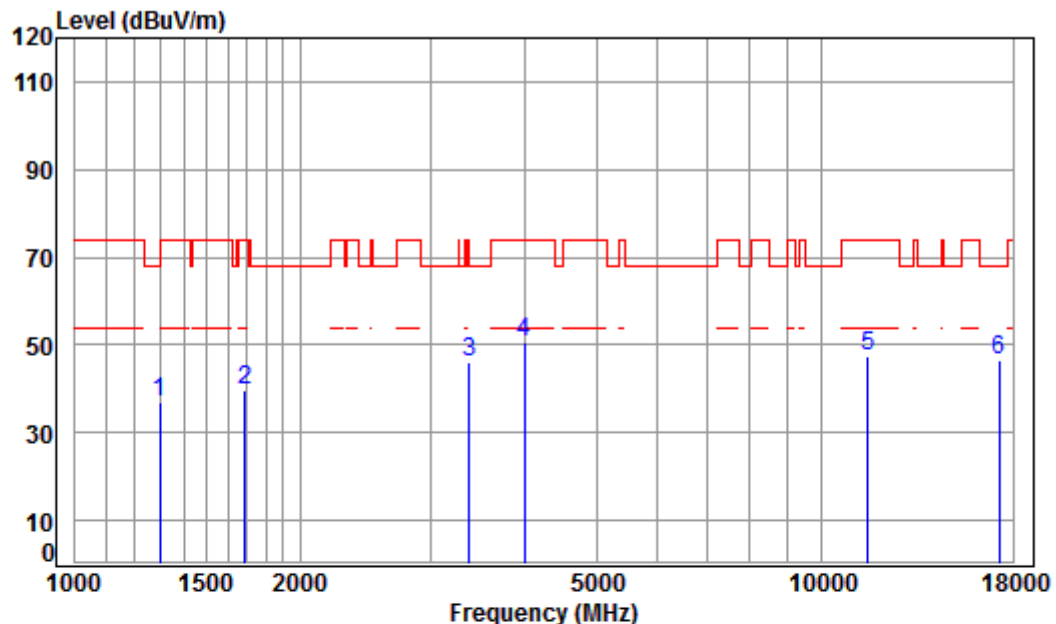
Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.40	35.94	68.20	-32.26	peak
2	1682.477	5.25	26.60	38.02	44.98	38.81	74.00	-35.19	peak
3	3299.344	6.28	31.86	37.93	46.30	46.51	68.20	-21.69	peak
4	4039.212	7.03	33.60	38.02	46.92	49.53	74.00	-24.47	peak
5	11510.000	12.14	38.11	36.03	32.46	46.68	74.00	-27.32	peak
6	17265.000	16.12	43.12	36.16	22.23	45.31	68.20	-22.89	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	45.28	36.98	74.00	-37.02	peak
2	1687.347	5.24	26.62	38.02	45.73	39.57	74.00	-34.43	peak
3	3366.778	6.34	31.97	37.94	45.71	46.08	68.20	-22.12	peak
4	3992.781	6.97	33.58	38.00	48.19	50.74	74.00	-23.26	peak
5	11510.000	12.14	38.11	36.03	33.19	47.41	74.00	-26.59	peak
6	pp17265.000	16.12	43.12	36.16	23.34	46.42	68.20	-21.78	peak

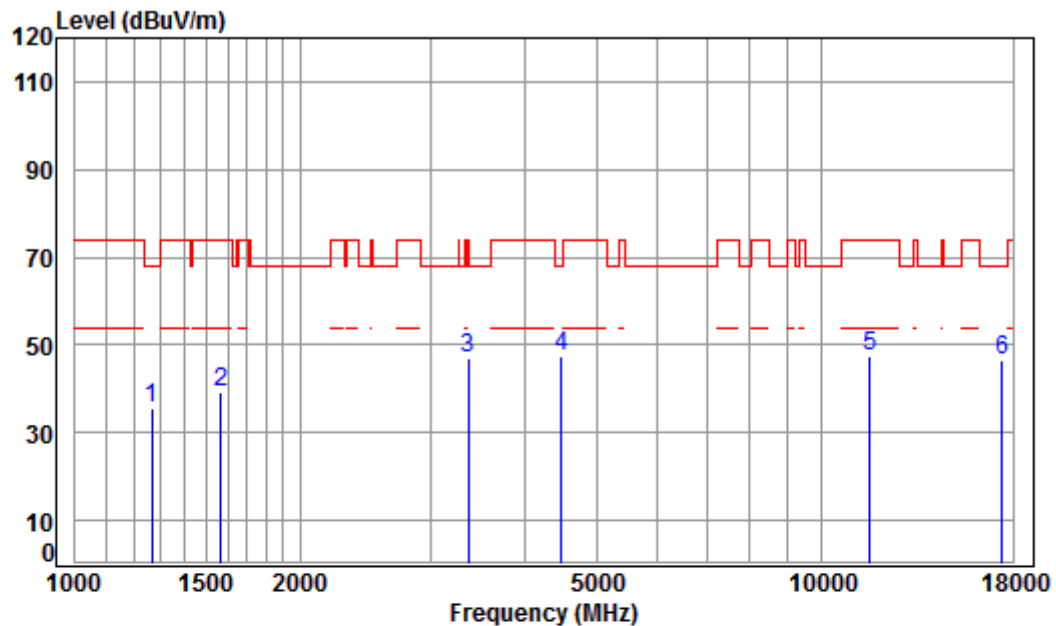


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 73 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

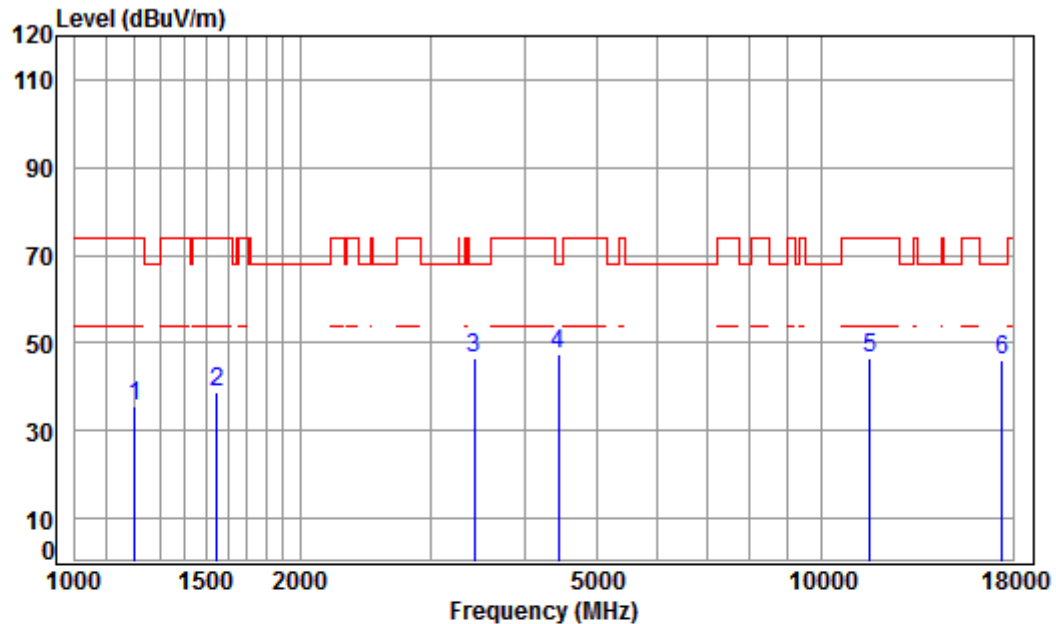
Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.11	35.52	68.20	-32.68	peak
2	1569.721	5.39	26.12	38.03	45.60	39.08	74.00	-34.92	peak
3	3357.061	6.33	31.96	37.94	46.82	47.17	74.00	-26.83	peak
4 pp	4482.150	7.54	33.60	38.26	44.36	47.24	68.20	-20.96	peak
5	11590.000	12.17	38.19	36.12	33.09	47.33	74.00	-26.67	peak
6	17385.000	15.85	43.26	36.10	23.31	46.32	68.20	-21.88	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	38.07	44.77	35.62	74.00	-38.38	peak
2	1547.199	5.42	26.02	38.04	45.27	38.67	74.00	-35.33	peak
3	3425.675	6.39	32.07	37.95	46.08	46.59	68.20	-21.61	peak
4 pp	4443.453	7.50	33.60	38.24	44.54	47.40	68.20	-20.80	peak
5	11590.000	12.17	38.19	36.12	32.17	46.41	74.00	-27.59	peak
6	17385.000	15.85	43.26	36.10	22.96	45.97	68.20	-22.23	peak

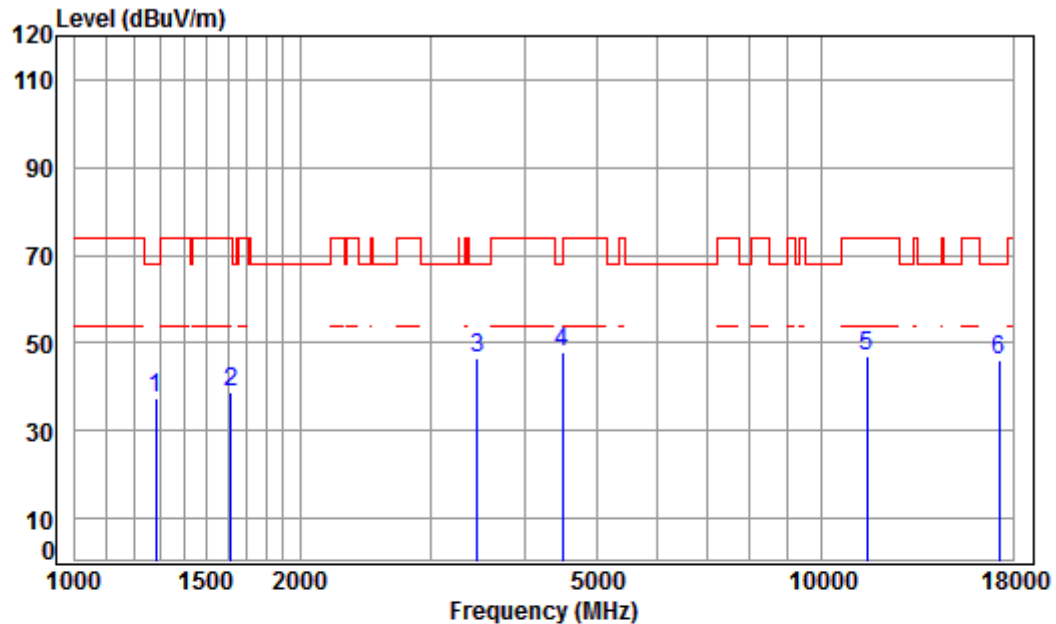


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 75 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

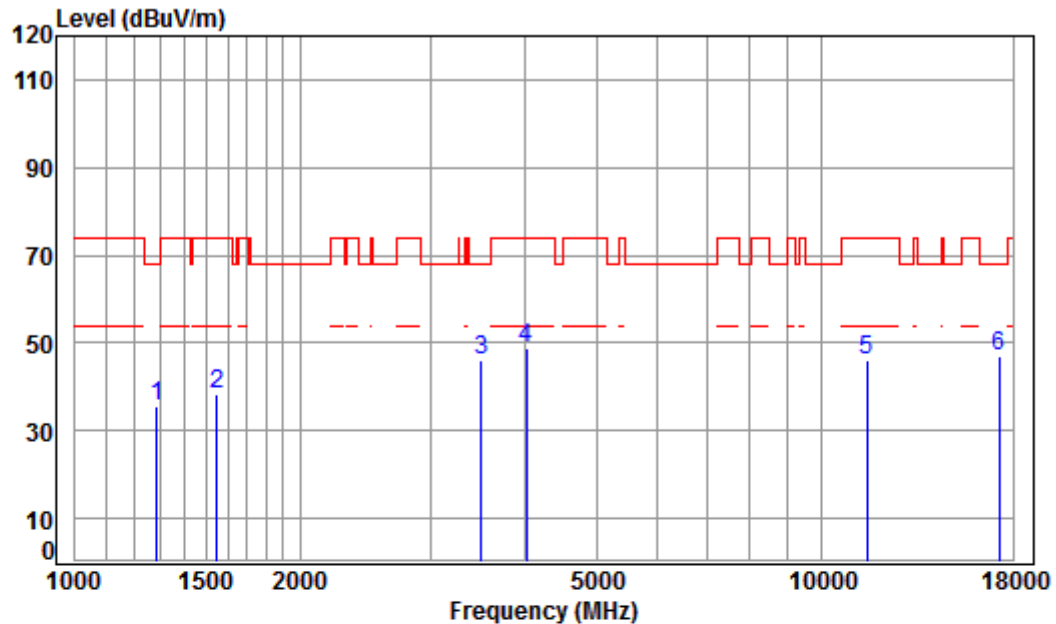
Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.89	37.43	68.20	-30.77	peak
2	1615.754	5.33	26.32	38.03	45.04	38.66	74.00	-35.34	peak
3	3455.508	6.42	32.13	37.95	45.86	46.46	68.20	-21.74	peak
4 pp	4495.125	7.55	33.60	38.26	45.10	47.99	68.20	-20.21	peak
5	11490.000	12.13	38.09	36.00	32.67	46.89	74.00	-27.11	peak
6	17235.000	16.18	43.08	36.18	22.85	45.93	68.20	-22.27	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

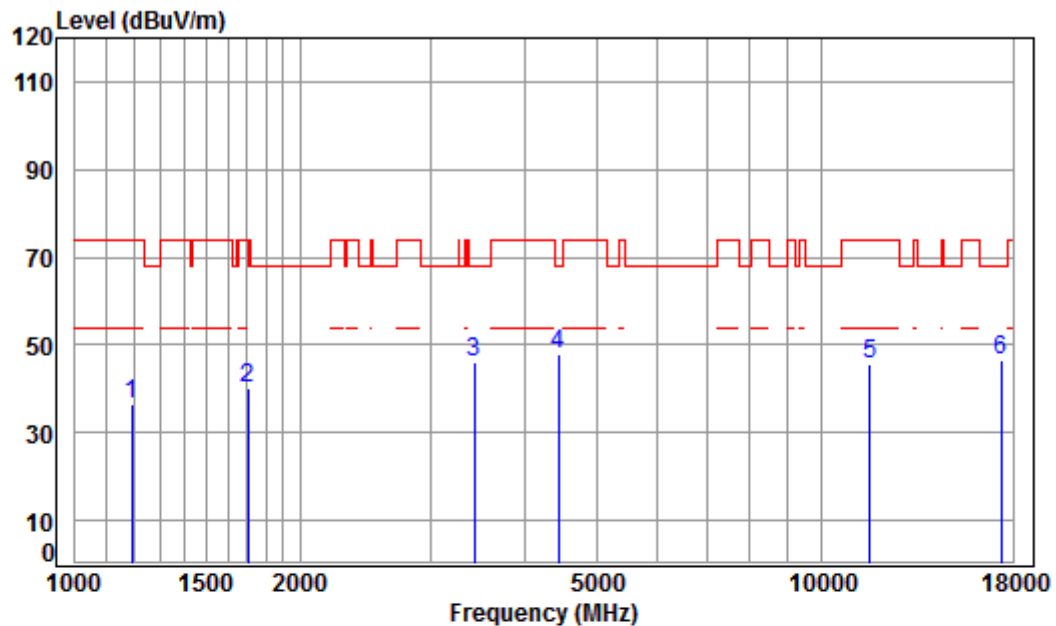
Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	43.92	35.50	68.20	-32.70	peak
2	1547.199	5.42	26.02	38.04	44.94	38.34	74.00	-35.66	peak
3	3495.691	6.46	32.19	37.95	45.35	46.05	68.20	-22.15	peak
4	4015.929	7.00	33.60	38.01	46.45	49.04	74.00	-24.96	peak
5	11490.000	12.13	38.09	36.00	32.07	46.29	74.00	-27.71	peak
6	pp17235.000	16.18	43.08	36.18	23.73	46.81	68.20	-21.39	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

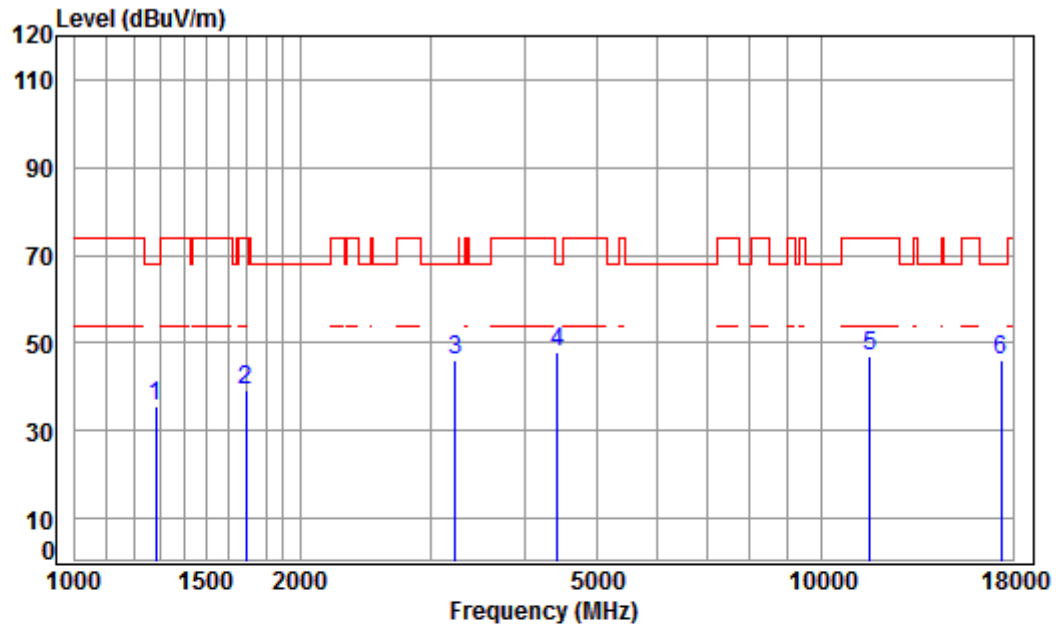
Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.82	36.58	74.00	-37.42	peak
2	1702.042	5.23	26.68	38.02	46.49	40.38	74.00	-33.62	peak
3	3425.675	6.39	32.07	37.95	45.80	46.31	68.20	-21.89	peak
4	pp 4443.453	7.50	33.60	38.24	45.07	47.93	68.20	-20.27	peak
5	11570.000	12.17	38.17	36.10	31.50	45.74	74.00	-28.26	peak
6	17355.000	15.92	43.23	36.12	23.52	46.55	68.20	-21.65	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.05	35.59	68.20	-32.61	peak
2	1692.231	5.24	26.64	38.02	45.29	39.15	74.00	-34.85	peak
3	3223.928	6.20	31.72	37.93	46.24	46.23	68.20	-21.97	peak
4 pp	4417.841	7.47	33.60	38.22	44.93	47.78	68.20	-20.42	peak
5	11570.000	12.17	38.17	36.10	32.64	46.88	74.00	-27.12	peak
6	17355.000	15.92	43.23	36.12	23.21	46.24	68.20	-21.96	peak

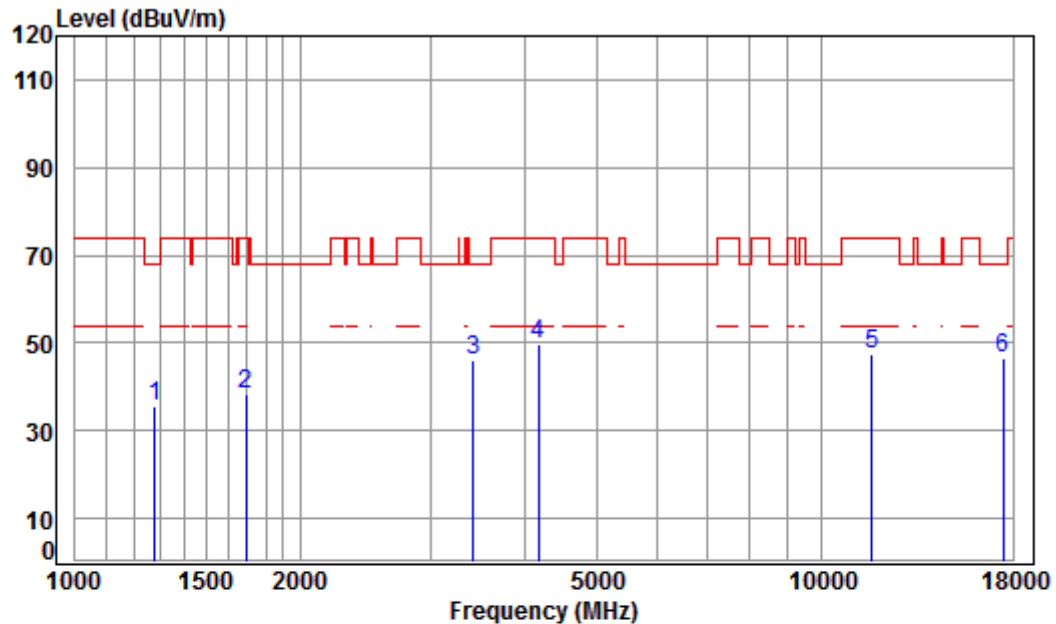


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 79 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

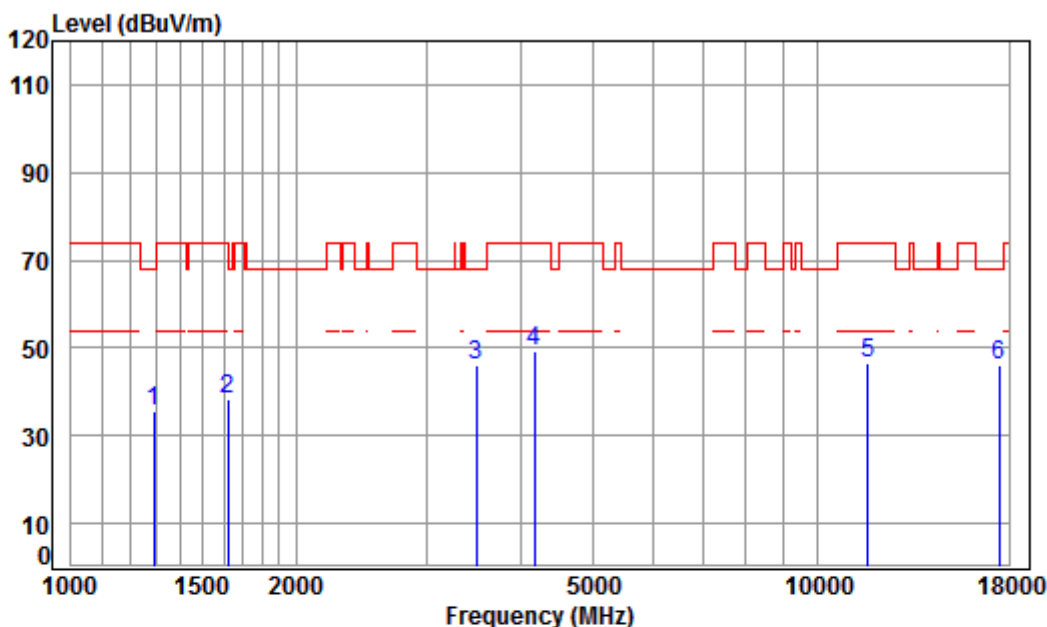
Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	44.07	35.58	68.20	-32.62	peak
2	1692.231	5.24	26.64	38.02	44.39	38.25	74.00	-35.75	peak
3	3415.787	6.38	32.06	37.95	45.60	46.09	68.20	-22.11	peak
4	4169.698	7.18	33.60	38.09	47.27	49.96	74.00	-24.04	peak
5	11650.000	12.20	38.25	36.19	33.12	47.38	74.00	-26.62	peak
6	pp17475.000	15.65	43.37	36.06	23.66	46.62	68.20	-21.58	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	43.98	35.59	68.20	-32.61	peak
2	1620.431	5.32	26.34	38.03	44.62	38.25	74.00	-35.75	peak
3	3485.601	6.45	32.18	37.95	45.33	46.01	68.20	-22.19	peak
4	4169.698	7.18	33.60	38.09	46.59	49.28	74.00	-24.72	peak
5	11650.000	12.20	38.25	36.19	32.43	46.69	74.00	-27.31	peak
6	pp17475.000	15.65	43.37	36.06	23.10	46.06	68.20	-22.14	peak

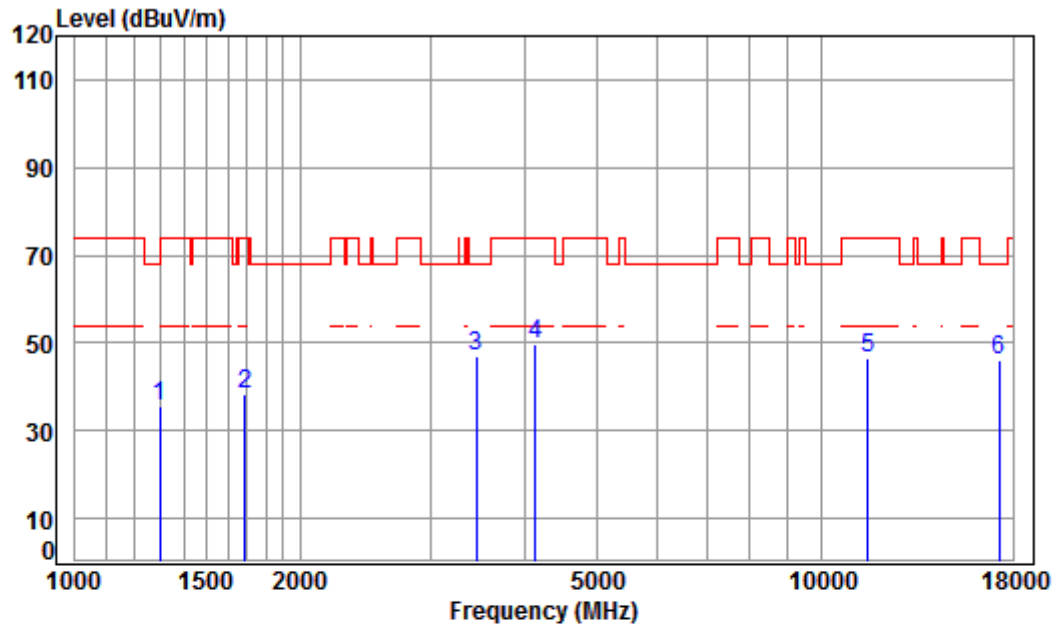


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 81 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

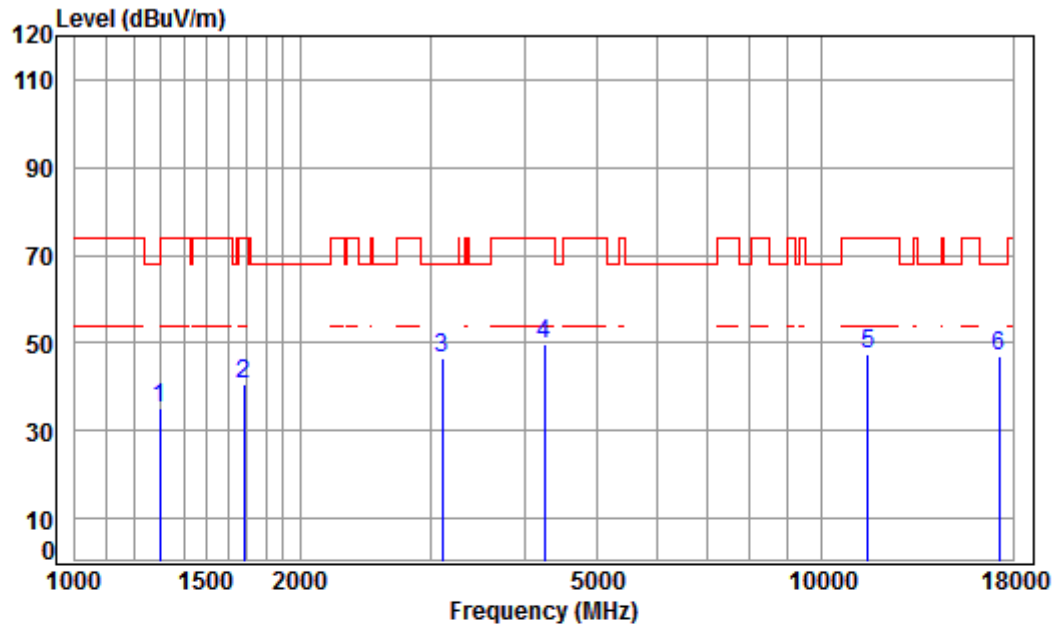
Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	44.03	35.70	68.20	-32.50	peak
2	1687.347	5.24	26.62	38.02	44.33	38.17	74.00	-35.83	peak
3 pp	3445.535	6.41	32.11	37.95	46.58	47.15	68.20	-21.05	peak
4	4133.699	7.14	33.60	38.07	46.93	49.60	74.00	-24.40	peak
5	11510.000	12.14	38.11	36.03	32.26	46.48	74.00	-27.52	peak
6	17265.000	16.12	43.12	36.16	22.99	46.07	68.20	-22.13	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

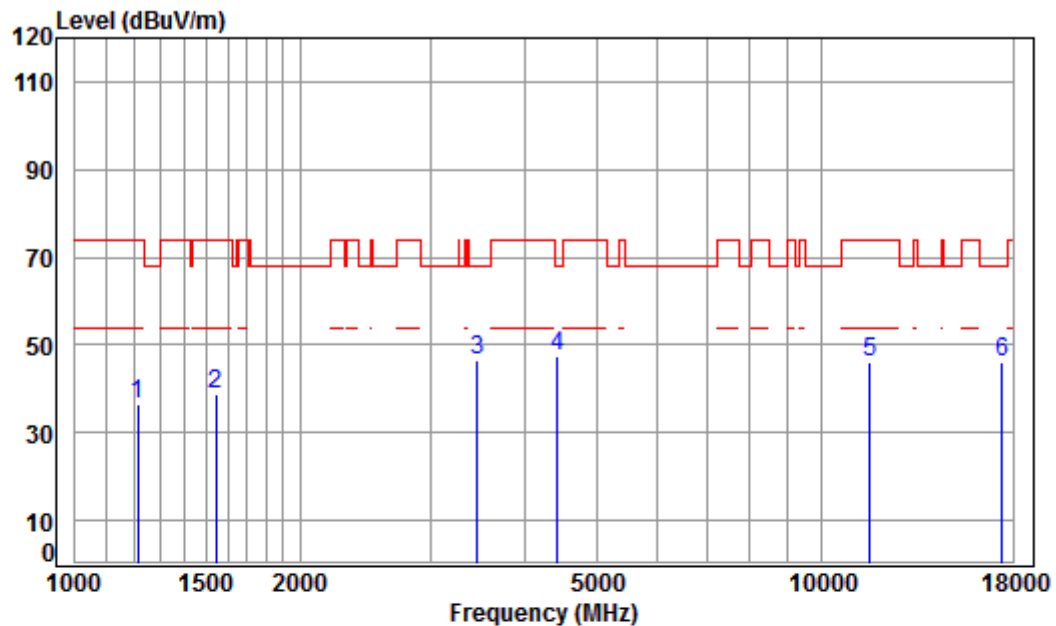
Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.28	34.98	74.00	-39.02	peak
2	1682.477	5.25	26.60	38.02	46.60	40.43	74.00	-33.57	peak
3	3105.037	6.09	31.50	37.91	46.94	46.62	68.20	-21.58	peak
4	4242.641	7.27	33.60	38.13	46.88	49.62	74.00	-24.38	peak
5	11510.000	12.14	38.11	36.03	33.27	47.49	74.00	-26.51	peak
6	pp17265.000	16.12	43.12	36.16	23.89	46.97	68.20	-21.23	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1213.677	4.47	24.55	38.07	45.46	36.41	74.00	-37.59	peak
2	1542.733	5.42	26.00	38.04	45.53	38.91	74.00	-35.09	peak
3	3455.508	6.42	32.13	37.95	45.81	46.41	68.20	-21.79	peak
4 pp	4417.841	7.47	33.60	38.22	44.42	47.27	68.20	-20.93	peak
5	11590.000	12.17	38.19	36.12	31.67	45.91	74.00	-28.09	peak
6	17385.000	15.85	43.26	36.10	22.96	45.97	68.20	-22.23	peak

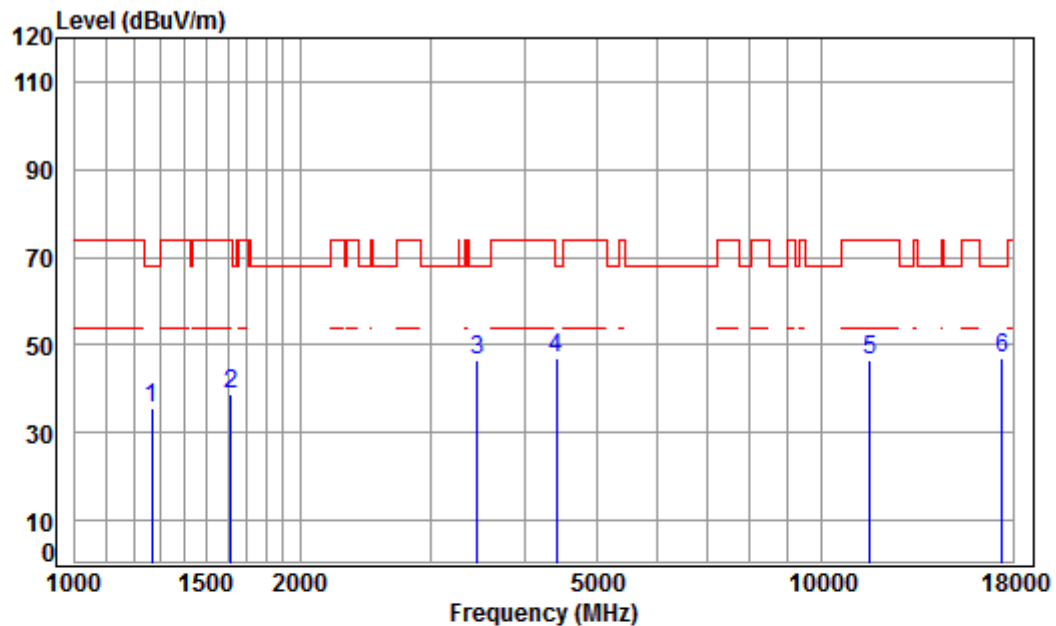


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 84 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

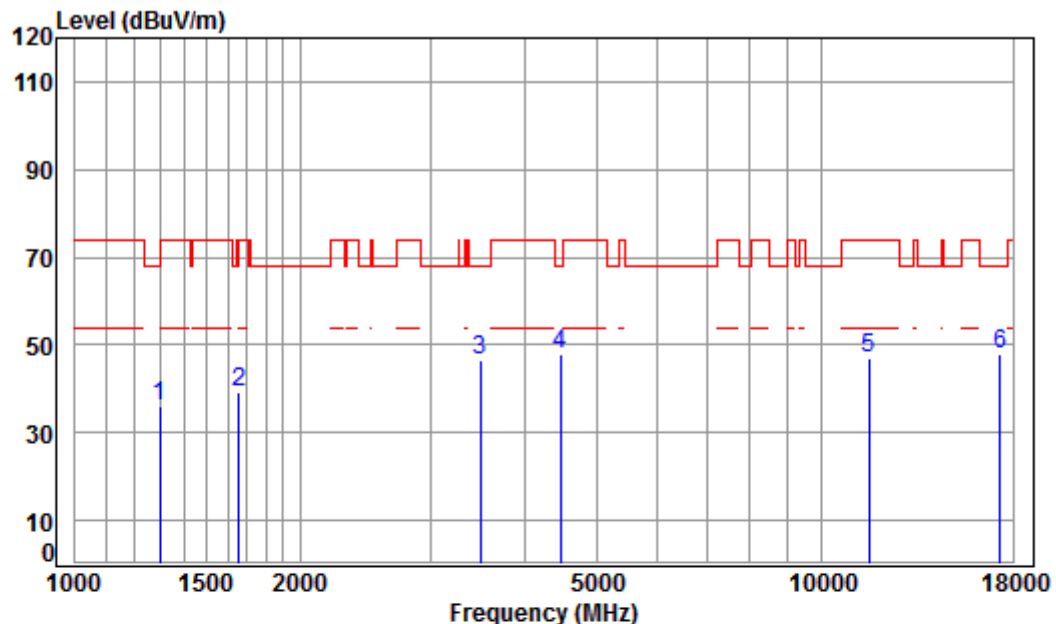
Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.35	35.76	68.20	-32.44	peak
2	1615.754	5.33	26.32	38.03	45.02	38.64	74.00	-35.36	peak
3	3455.508	6.42	32.13	37.95	45.97	46.57	68.20	-21.63	peak
4 pp	4405.090	7.46	33.60	38.22	44.23	47.07	68.20	-21.13	peak
5	11590.000	12.17	38.19	36.12	32.21	46.45	74.00	-27.55	peak
6	17385.000	15.85	43.26	36.10	24.01	47.02	68.20	-21.18	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

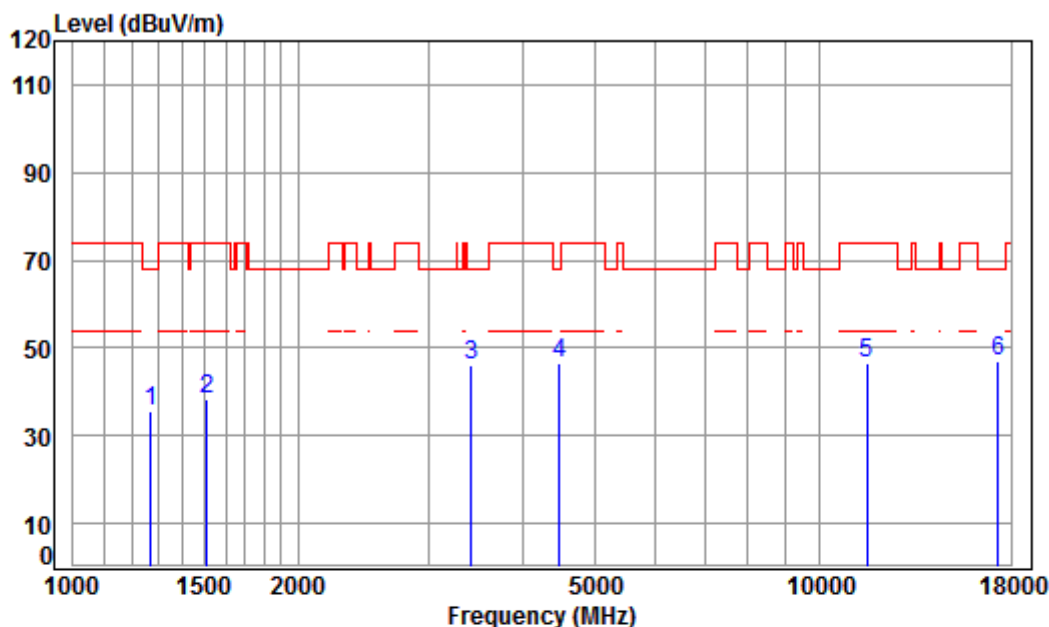
Job No : 00248CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.29	35.99	74.00	-38.01	peak
2	1658.337	5.28	26.50	38.03	45.41	39.16	68.20	-29.04	peak
3	3485.601	6.45	32.18	37.95	45.85	46.53	68.20	-21.67	peak
4	4469.214	7.53	33.60	38.25	45.02	47.90	68.20	-20.30	peak
5	11550.000	12.16	38.15	36.07	32.95	47.19	74.00	-26.81	peak
6	pp17325.000	15.98	43.19	36.13	25.01	48.05	68.20	-20.15	peak

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5775 TX RSE

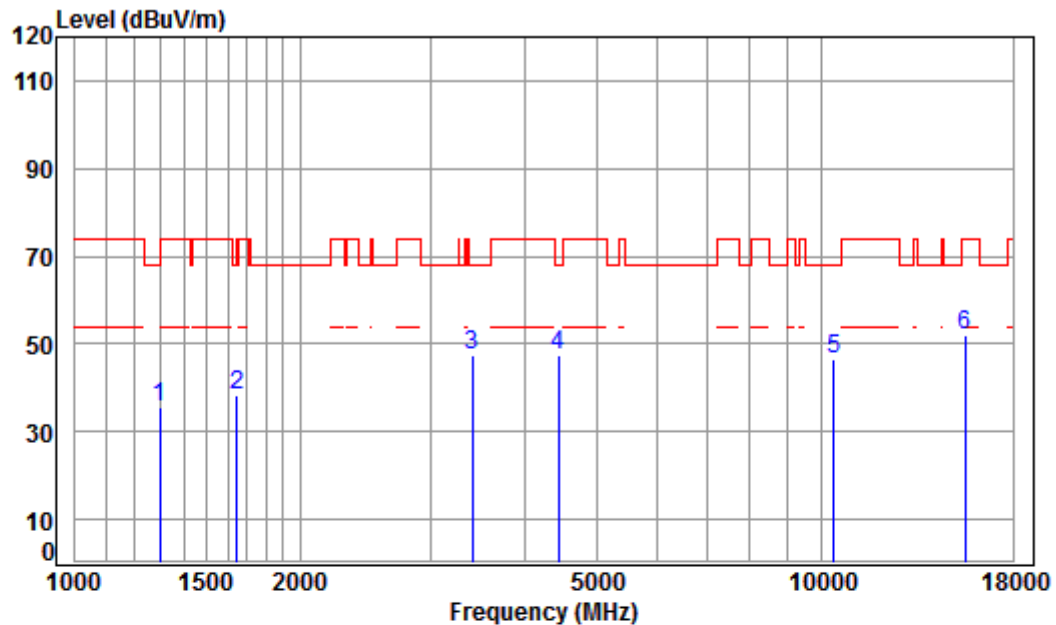
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.30	35.74	68.20	-32.46	peak
2	1511.833	5.46	25.85	38.04	44.98	38.25	74.00	-35.75	peak
3	3415.787	6.38	32.06	37.95	45.61	46.10	68.20	-22.10	peak
4	4482.150	7.54	33.60	38.26	43.88	46.76	68.20	-21.44	peak
5	11550.000	12.16	38.15	36.07	32.51	46.75	74.00	-27.25	peak
6	pp17325.000	15.98	43.19	36.13	24.03	47.07	68.20	-21.13	peak



ANT2:

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.11	35.81	74.00	-38.19	peak
2	1648.778	5.29	26.46	38.03	44.46	38.18	68.20	-30.02	peak
3	3405.929	6.38	32.04	37.94	46.90	47.38	68.20	-20.82	peak
4 pp	4430.628	7.48	33.60	38.23	44.65	47.50	68.20	-20.70	peak
5	10360.000	11.19	37.24	35.09	33.02	46.36	68.20	-21.84	peak
6	15540.000	14.30	41.38	38.30	34.46	51.84	74.00	-22.16	peak

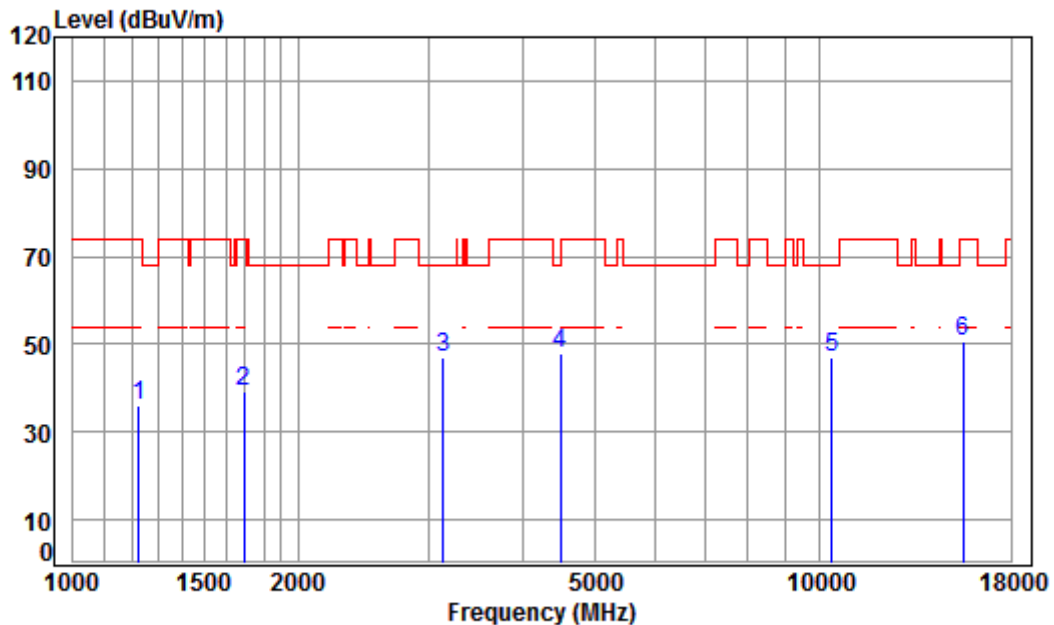


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 88 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	44.92	35.96	74.00	-38.04	peak
2	1692.231	5.24	26.64	38.02	45.29	39.15	74.00	-34.85	peak
3	3132.079	6.11	31.55	37.91	47.03	46.78	68.20	-21.42	peak
4 pp	4495.125	7.55	33.60	38.26	44.84	47.73	68.20	-20.47	peak
5	10360.000	11.19	37.24	35.09	33.81	47.15	68.20	-21.05	peak
6	15540.000	14.30	41.38	38.30	33.46	50.84	74.00	-23.16	peak

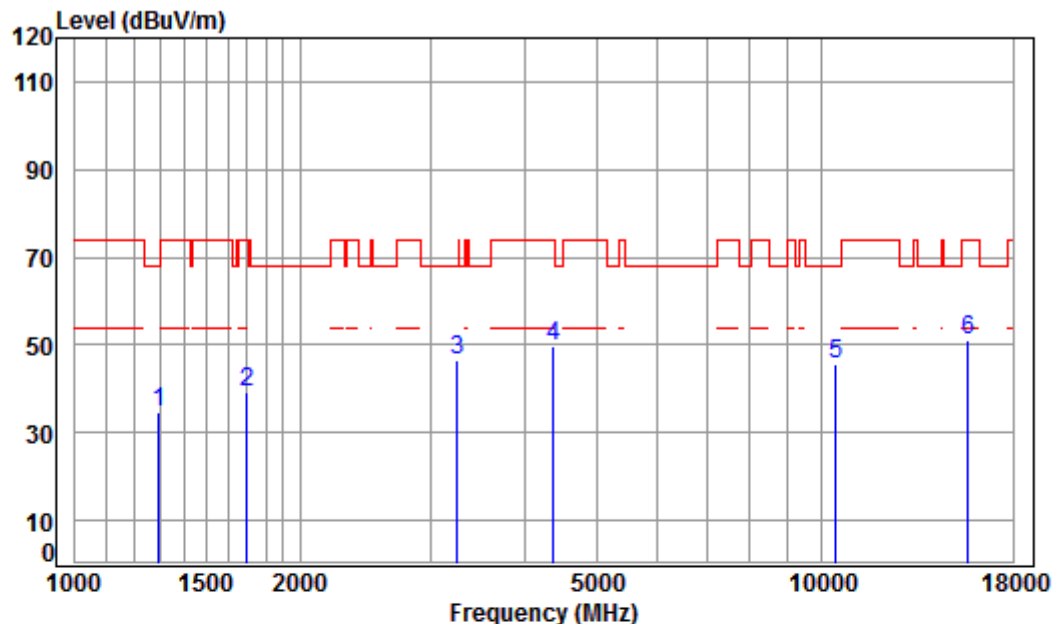


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 89 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	43.18	34.81	68.20	-33.39	peak
2	1697.129	5.23	26.66	38.02	45.16	39.03	74.00	-34.97	peak
3 pp	3252.005	6.23	31.77	37.93	46.30	46.37	68.20	-21.83	peak
4	4367.058	7.41	33.60	38.20	46.76	49.57	74.00	-24.43	peak
5	10440.000	11.25	37.16	35.13	32.36	45.64	68.20	-22.56	peak
6	15660.000	14.48	41.34	38.17	33.28	50.93	74.00	-23.07	peak

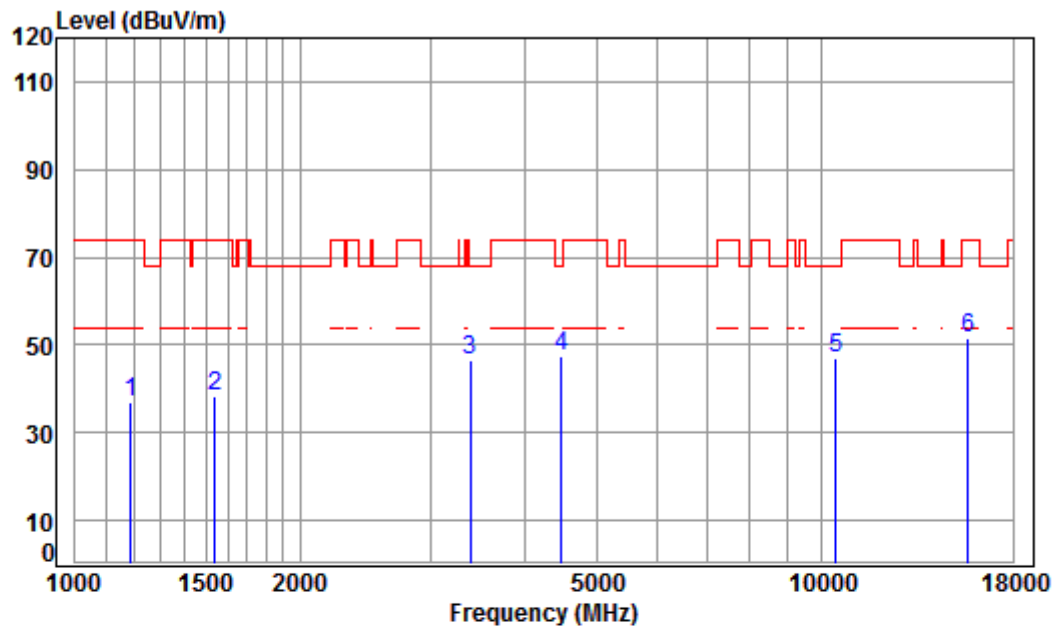


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 90 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

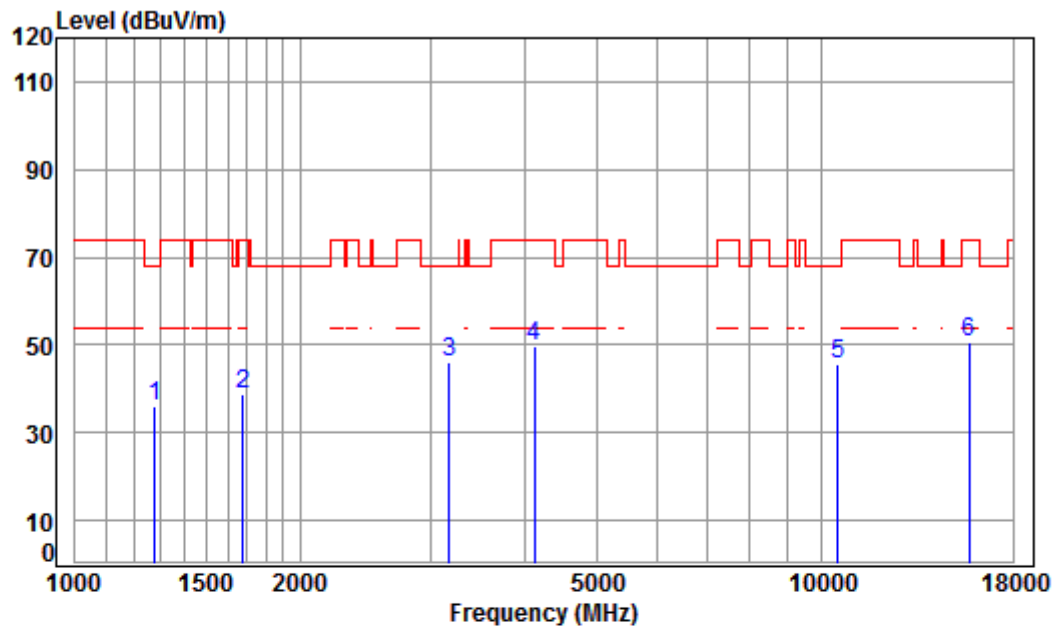
Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	4.38	24.43	38.07	46.08	36.82	74.00	-37.18	peak
2	1538.281	5.43	25.98	38.04	44.76	38.13	74.00	-35.87	peak
3	3386.297	6.36	32.01	37.94	46.19	46.62	68.20	-21.58	peak
4	pp 4482.150	7.54	33.60	38.26	44.78	47.66	68.20	-20.54	peak
5	10440.000	11.25	37.16	35.13	33.61	46.89	68.20	-21.31	peak
6	15660.000	14.48	41.34	38.17	33.71	51.36	74.00	-22.64	peak



Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

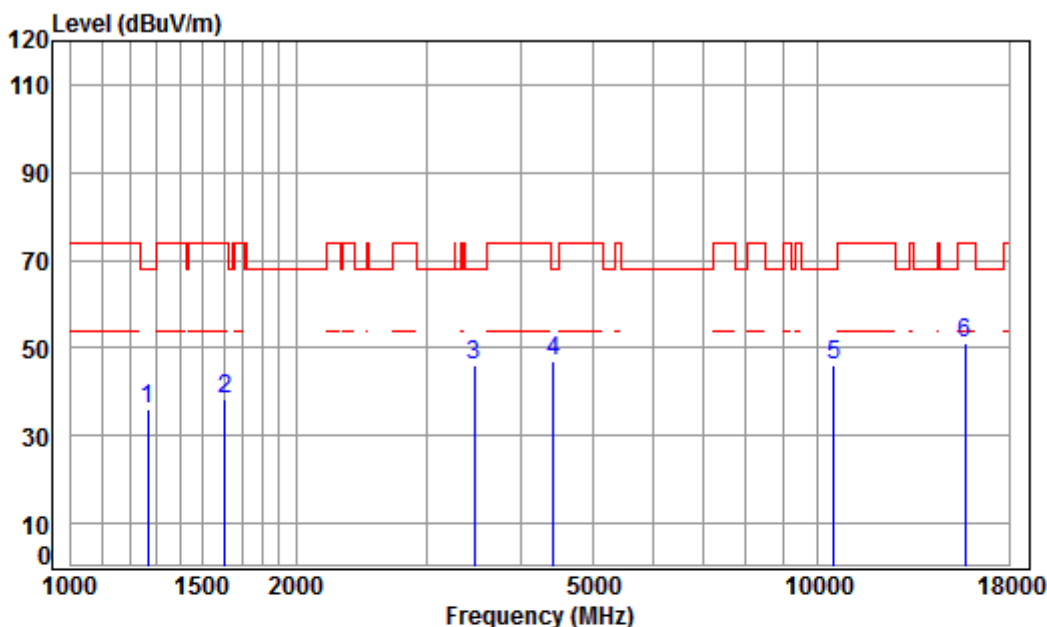
Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	44.71	36.22	68.20	-31.98	peak
2	1677.621	5.25	26.58	38.03	44.95	38.75	74.00	-35.25	peak
3 pp	3168.500	6.15	31.62	37.92	46.44	46.29	68.20	-21.91	peak
4	4121.768	7.13	33.60	38.07	47.00	49.66	74.00	-24.34	peak
5	10480.000	11.28	37.12	35.15	32.17	45.42	68.20	-22.78	peak
6	15720.000	14.57	41.31	38.10	32.95	50.73	74.00	-23.27	peak



Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.48	35.89	68.20	-32.31	peak
2	1606.441	5.34	26.28	38.03	44.85	38.44	74.00	-35.56	peak
3	3465.510	6.43	32.14	37.95	45.35	45.97	68.20	-22.23	peak
4 pp	4417.841	7.47	33.60	38.22	44.28	47.13	68.20	-21.07	peak
5	10480.000	11.28	37.12	35.15	32.79	46.04	68.20	-22.16	peak
6	15720.000	14.57	41.31	38.10	33.10	50.88	74.00	-23.12	peak

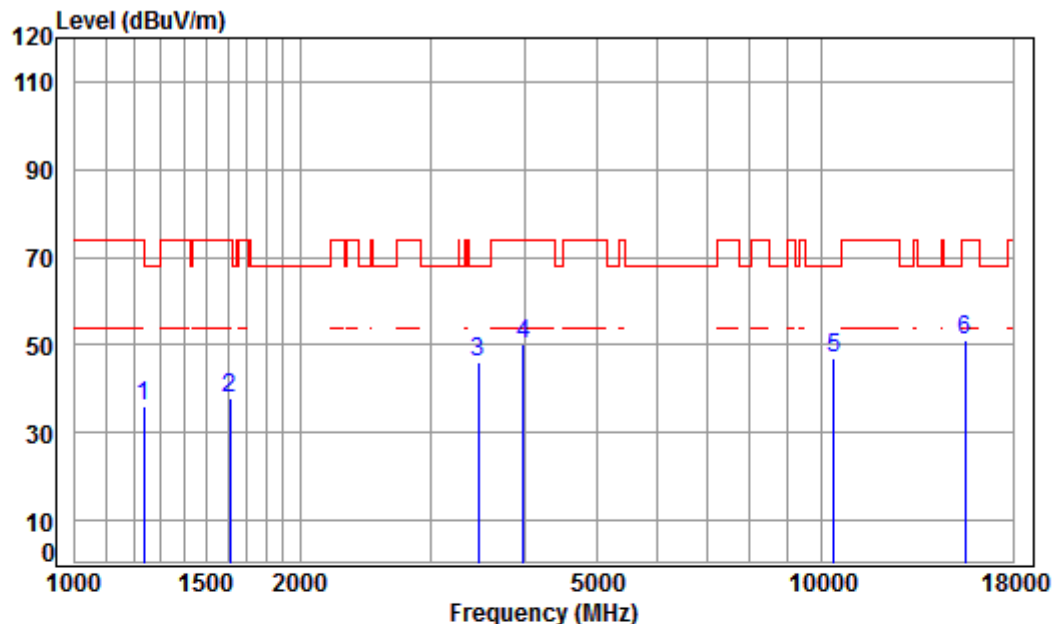


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 93 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

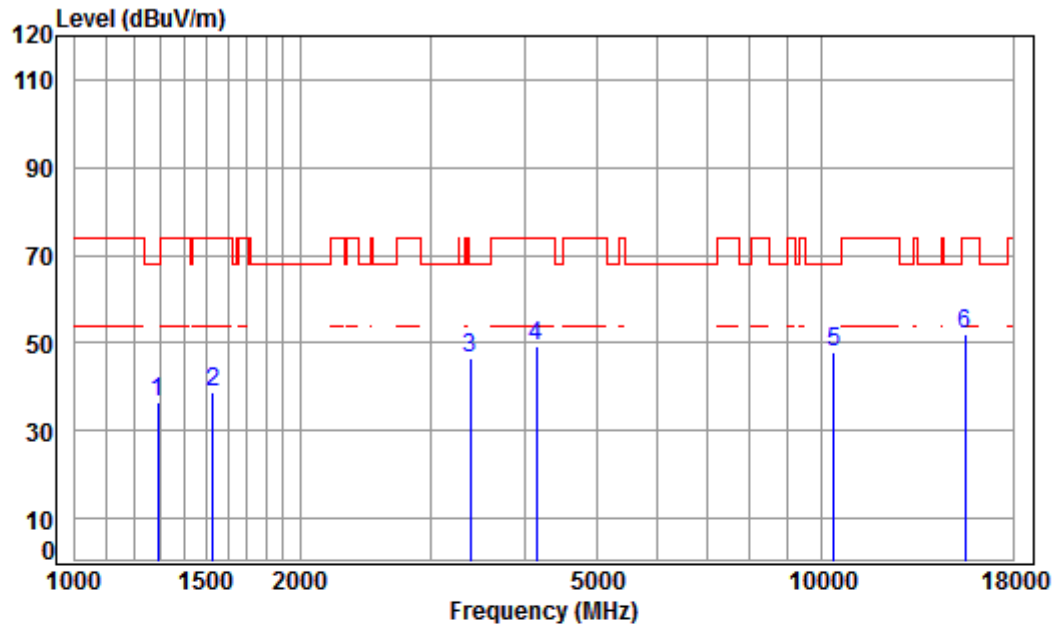
Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	44.82	35.95	74.00	-38.05	peak
2	1611.091	5.34	26.30	38.03	44.28	37.89	74.00	-36.11	peak
3	3465.510	6.43	32.14	37.95	45.61	46.23	68.20	-21.97	peak
4	3981.257	6.96	33.55	38.00	47.54	50.05	74.00	-23.95	peak
5	pp10360.000	11.19	37.24	35.09	33.73	47.07	68.20	-21.13	peak
6	15540.000	14.30	41.38	38.30	33.59	50.97	74.00	-23.03	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.93	36.54	68.20	-31.66	peak
2	1529.414	5.44	25.94	38.04	45.36	38.70	74.00	-35.30	peak
3	3386.297	6.36	32.01	37.94	46.16	46.59	68.20	-21.61	peak
4	4145.664	7.16	33.60	38.08	46.40	49.08	74.00	-24.92	peak
5	pp10360.000	11.19	37.24	35.09	34.55	47.89	68.20	-20.31	peak
6	15540.000	14.30	41.38	38.30	34.68	52.06	74.00	-21.94	peak

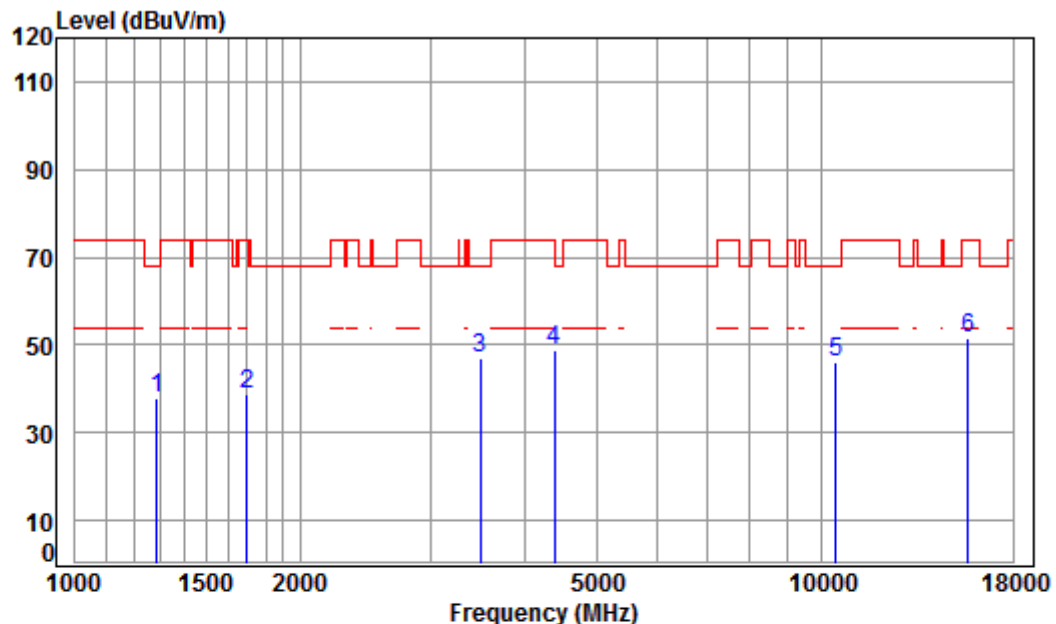


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 95 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	46.15	37.73	68.20	-30.47	peak
2	1697.129	5.23	26.66	38.02	44.83	38.70	74.00	-35.30	peak
3 pp	3485.601	6.45	32.18	37.95	46.28	46.96	68.20	-21.24	peak
4	4379.699	7.43	33.60	38.20	46.19	49.02	74.00	-24.98	peak
5	10440.000	11.25	37.16	35.13	32.80	46.08	68.20	-22.12	peak
6	15660.000	14.48	41.34	38.17	33.90	51.55	74.00	-22.45	peak

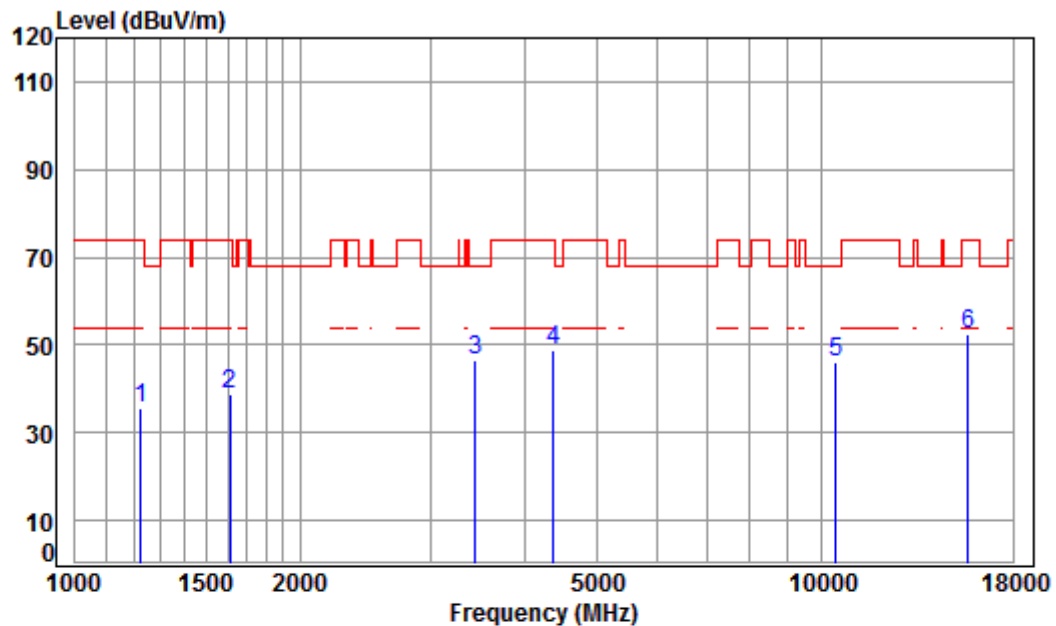


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 96 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	44.78	35.82	74.00	-38.18	peak
2	1611.091	5.34	26.30	38.03	45.37	38.98	74.00	-35.02	peak
3	3435.590	6.40	32.09	37.95	45.83	46.37	68.20	-21.83	peak
4	4367.058	7.41	33.60	38.20	46.18	48.99	74.00	-25.01	peak
5	10440.000	11.25	37.16	35.13	33.02	46.30	68.20	-21.90	peak
6	15660.000	14.48	41.34	38.17	34.80	52.45	74.00	-21.55	peak

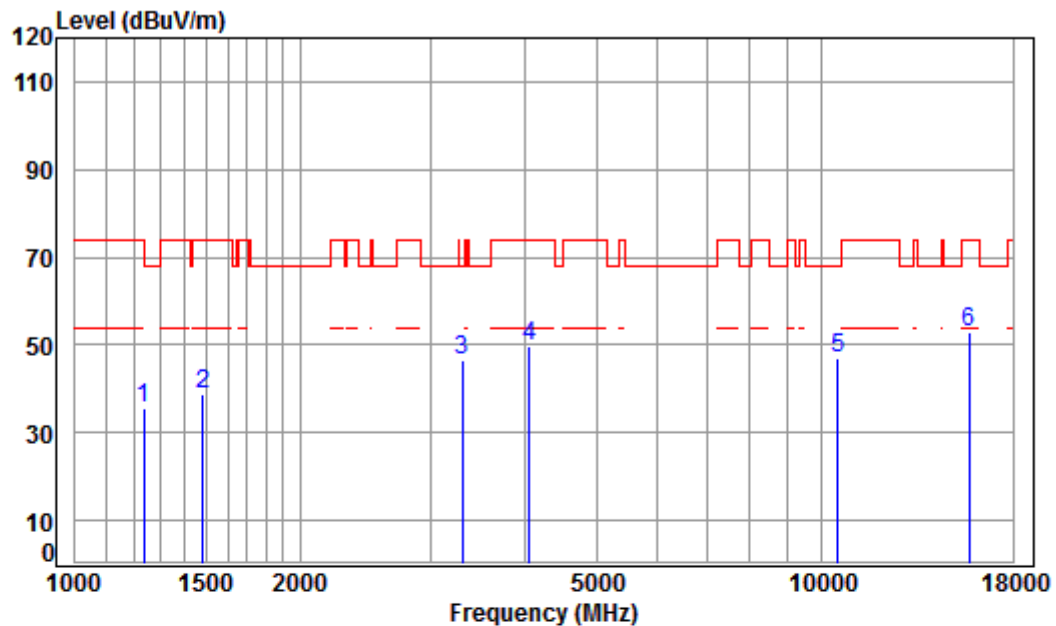


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 97 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	44.64	35.77	74.00	-38.23	peak
2	1481.553	5.42	25.73	38.04	45.54	38.65	74.00	-35.35	peak
3	3299.344	6.28	31.86	37.93	46.49	46.70	68.20	-21.50	peak
4	4050.904	7.04	33.60	38.03	47.04	49.65	74.00	-24.35	peak
5	pp10480.000	11.28	37.12	35.15	33.70	46.95	68.20	-21.25	peak
6	15720.000	14.57	41.31	38.10	34.95	52.73	74.00	-21.27	peak

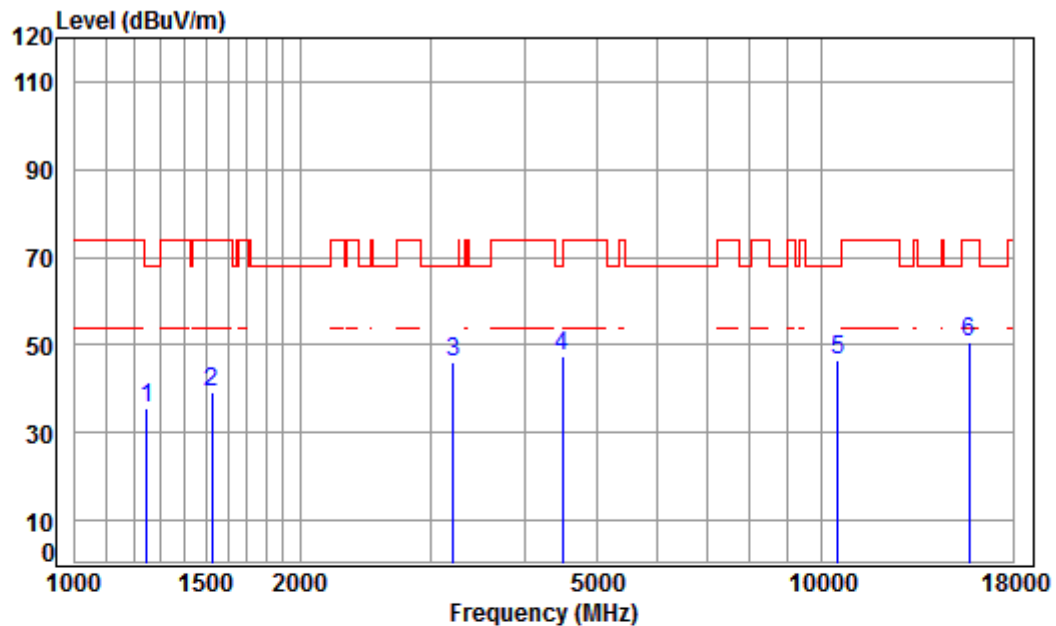


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 98 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	38.07	44.36	35.62	68.20	-32.58	peak
2	1525.000	5.45	25.91	38.04	45.86	39.18	74.00	-34.82	peak
3	3205.345	6.19	31.69	37.92	46.30	46.26	68.20	-21.94	peak
4 pp	4495.125	7.55	33.60	38.26	44.72	47.61	68.20	-20.59	peak
5	10480.000	11.28	37.12	35.15	33.30	46.55	68.20	-21.65	peak
6	15720.000	14.57	41.31	38.10	33.07	50.85	74.00	-23.15	peak

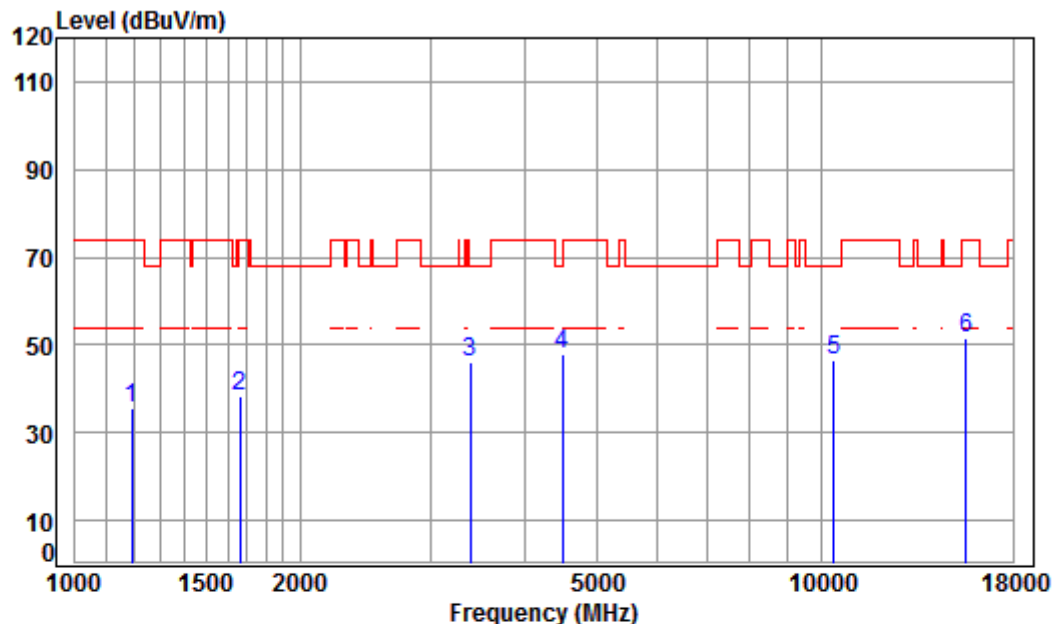


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 99 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

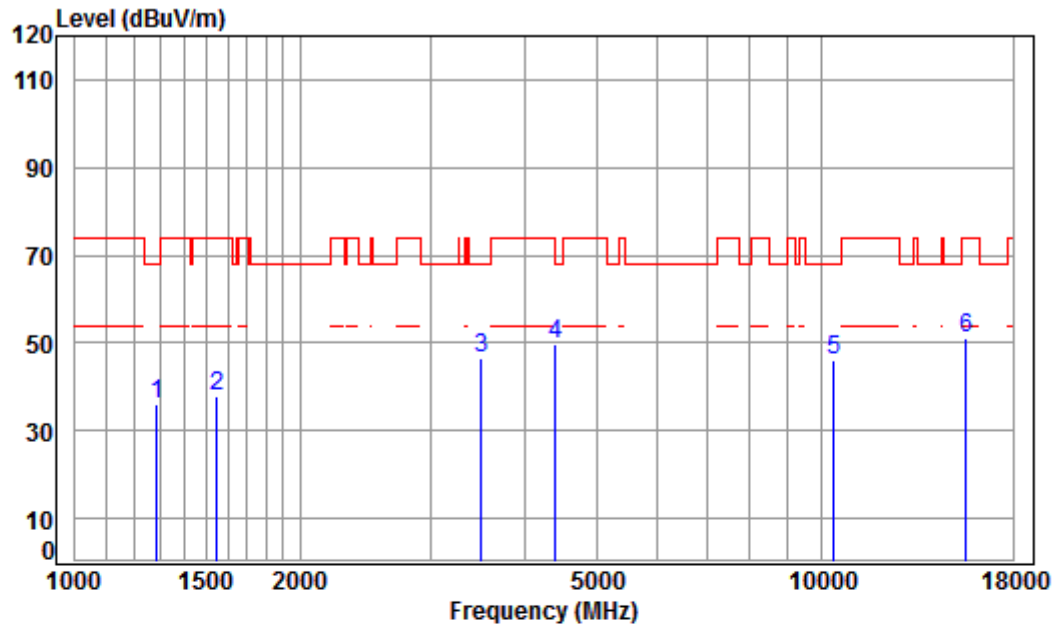
Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	44.81	35.57	74.00	-38.43	peak
2	1663.137	5.27	26.52	38.03	44.68	38.44	74.00	-35.56	peak
3	3376.523	6.35	31.99	37.94	45.73	46.13	68.20	-22.07	peak
4 pp	4495.125	7.55	33.60	38.26	44.84	47.73	68.20	-20.47	peak
5	10380.000	11.21	37.22	35.10	33.25	46.58	68.20	-21.62	peak
6	15570.000	14.35	41.37	38.26	33.95	51.41	74.00	-22.59	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.69	36.27	68.20	-31.93	peak
2	1547.199	5.42	26.02	38.04	44.64	38.04	74.00	-35.96	peak
3 pp	3495.691	6.46	32.19	37.95	45.64	46.34	68.20	-21.86	peak
4	4392.376	7.44	33.60	38.21	47.02	49.85	74.00	-24.15	peak
5	10380.000	11.21	37.22	35.10	32.85	46.18	68.20	-22.02	peak
6	15570.000	14.35	41.37	38.26	33.43	50.89	74.00	-23.11	peak

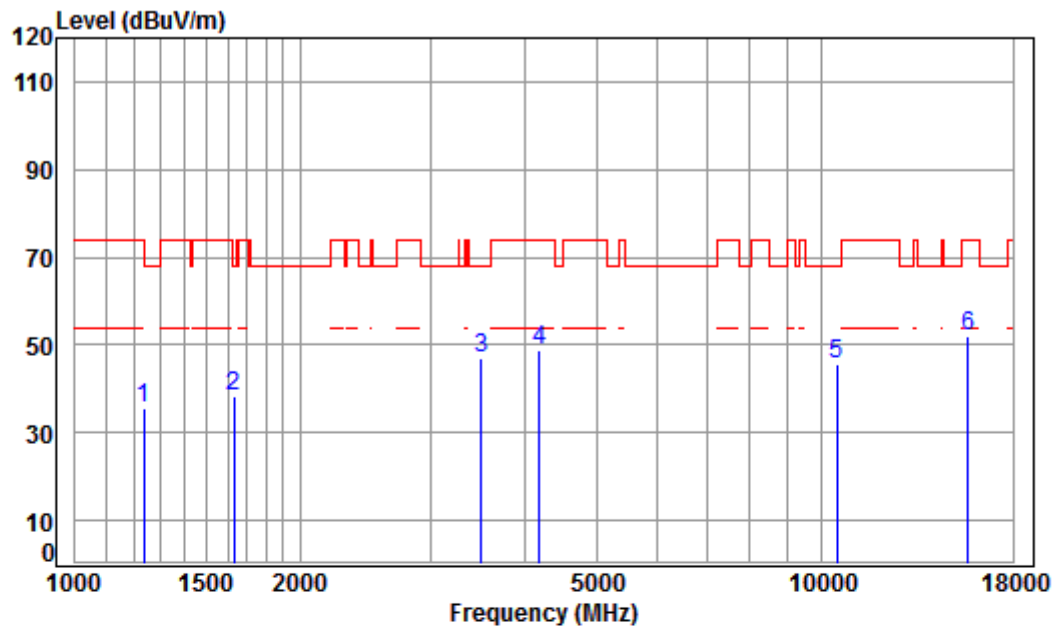


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 101 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

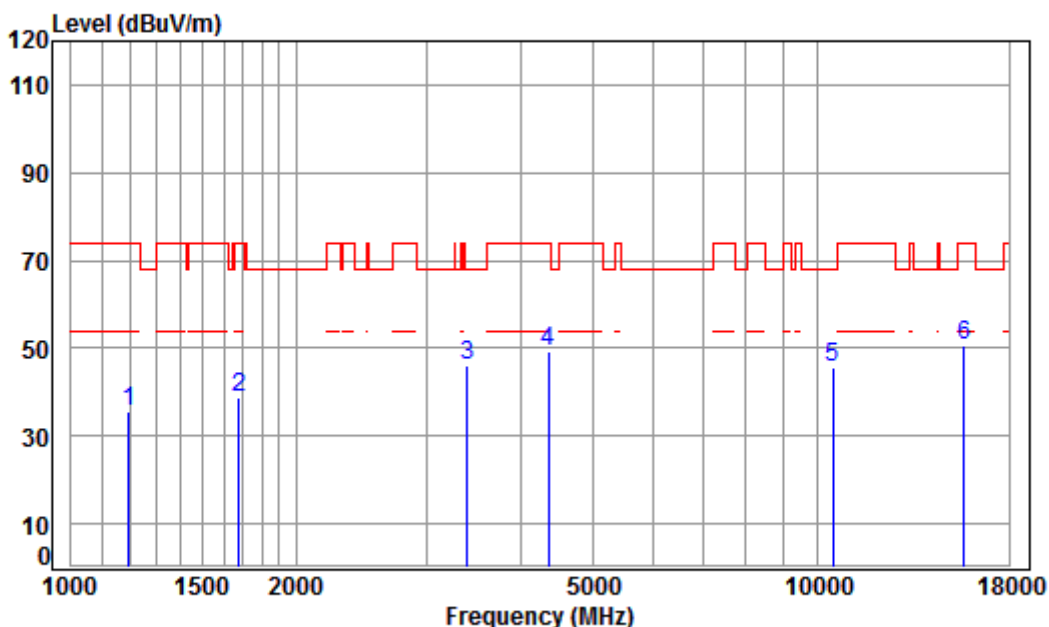
Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	44.26	35.39	74.00	-38.61	peak
2	1629.825	5.31	26.38	38.03	44.45	38.11	68.20	-30.09	peak
3 pp	3495.691	6.46	32.19	37.95	46.07	46.77	68.20	-21.43	peak
4	4181.768	7.20	33.60	38.10	46.24	48.94	74.00	-25.06	peak
5	10460.000	11.26	37.14	35.14	32.48	45.74	68.20	-22.46	peak
6	15690.000	14.53	41.32	38.13	34.30	52.02	74.00	-21.98	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	38.07	44.64	35.43	74.00	-38.57	peak
2	1677.621	5.25	26.58	38.03	45.15	38.95	74.00	-35.05	peak
3 pp	3396.098	6.37	32.02	37.94	45.68	46.13	68.20	-22.07	peak
4	4354.454	7.40	33.60	38.19	46.37	49.18	74.00	-24.82	peak
5	10460.000	11.26	37.14	35.14	32.18	45.44	68.20	-22.76	peak
6	15690.000	14.53	41.32	38.13	33.04	50.76	74.00	-23.24	peak

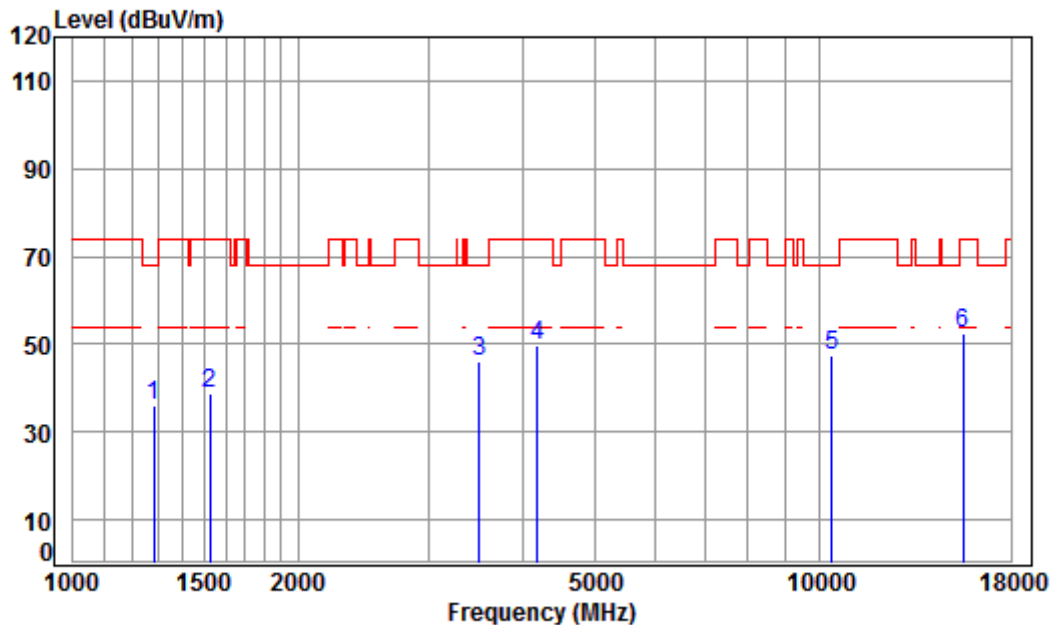


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 103 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.72	36.26	68.20	-31.94	peak
2	1525.000	5.45	25.91	38.04	45.27	38.59	74.00	-35.41	peak
3	3495.691	6.46	32.19	37.95	45.46	46.16	68.20	-22.04	peak
4	4181.768	7.20	33.60	38.10	47.08	49.78	74.00	-24.22	peak
5	pp10360.000	11.19	37.24	35.09	33.98	47.32	68.20	-20.88	peak
6	15540.000	14.30	41.38	38.30	34.89	52.27	74.00	-21.73	peak

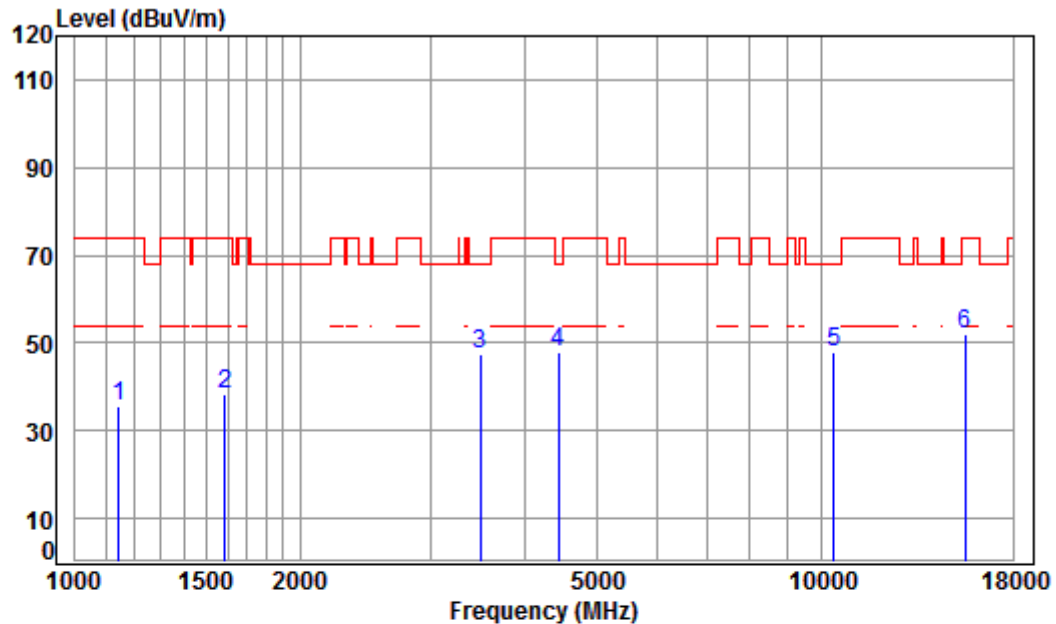


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 104 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.20	24.20	38.08	45.32	35.64	74.00	-38.36	peak
2	1587.975	5.37	26.20	38.03	44.77	38.31	74.00	-35.69	peak
3	3485.601	6.45	32.18	37.95	46.70	47.38	68.20	-20.82	peak
4	4443.453	7.50	33.60	38.24	44.92	47.78	68.20	-20.42	peak
5	pp10360.000	11.19	37.24	35.09	34.51	47.85	68.20	-20.35	peak
6	15540.000	14.30	41.38	38.30	34.49	51.87	74.00	-22.13	peak

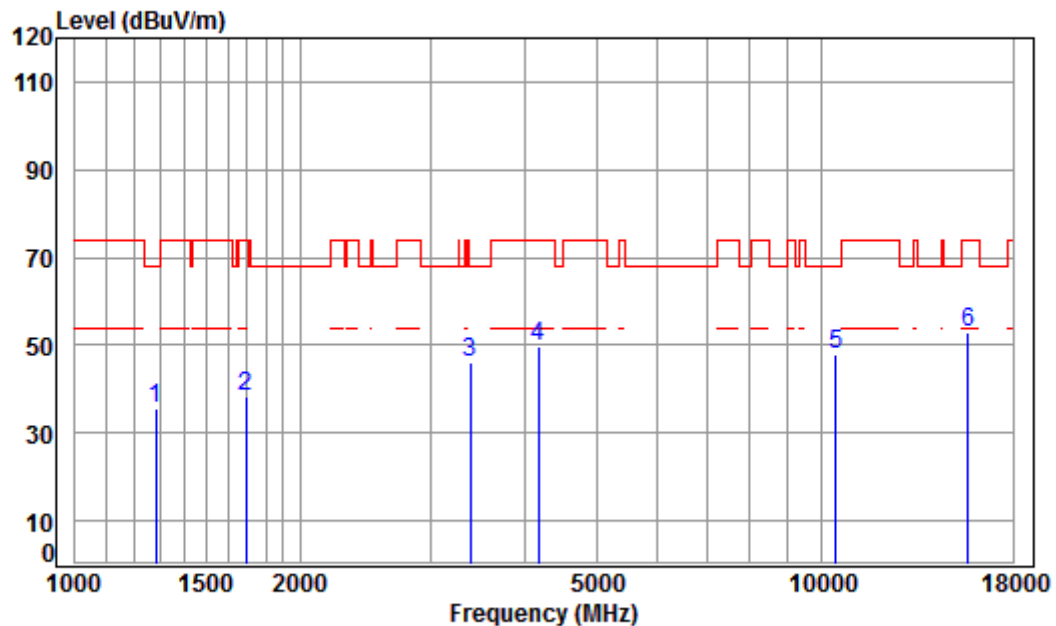


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 105 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.06	35.60	68.20	-32.60	peak
2	1692.231	5.24	26.64	38.02	44.61	38.47	74.00	-35.53	peak
3	3386.297	6.36	32.01	37.94	45.59	46.02	68.20	-22.18	peak
4	4169.698	7.18	33.60	38.09	47.25	49.94	74.00	-24.06	peak
5	pp10440.000	11.25	37.16	35.13	34.51	47.79	68.20	-20.41	peak
6	15660.000	14.48	41.34	38.17	35.20	52.85	74.00	-21.15	peak

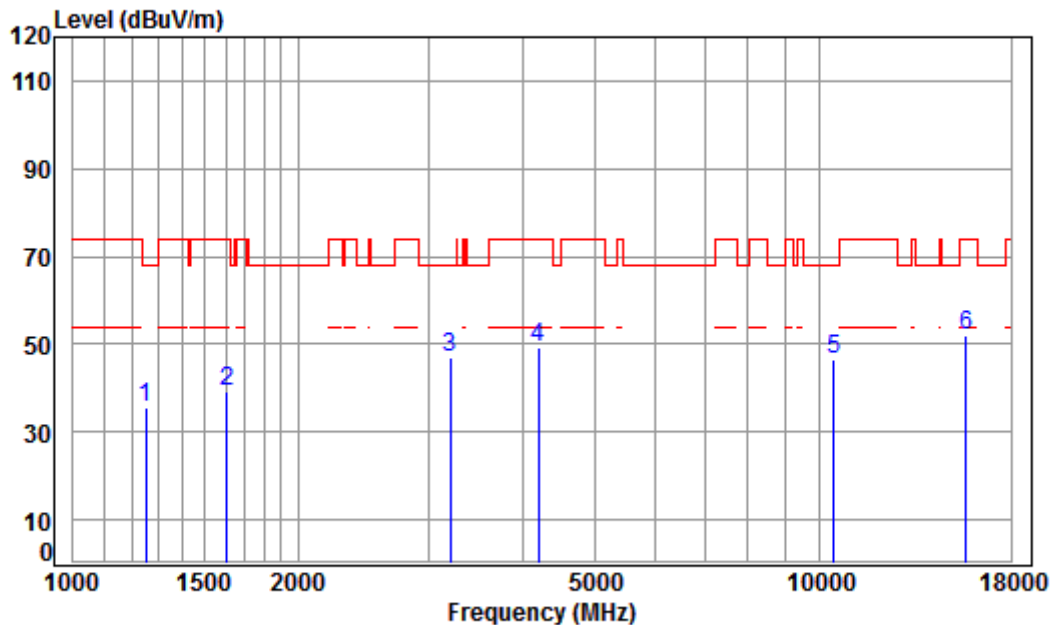


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 106 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.73	38.07	44.20	35.48	68.20	-32.72	peak
2	1606.441	5.34	26.28	38.03	45.52	39.11	74.00	-34.89	peak
3 pp	3196.094	6.18	31.67	37.92	46.91	46.84	68.20	-21.36	peak
4	4193.872	7.21	33.60	38.11	46.73	49.43	74.00	-24.57	peak
5	10440.000	11.25	37.16	35.13	33.35	46.63	68.20	-21.57	peak
6	15660.000	14.48	41.34	38.17	34.22	51.87	74.00	-22.13	peak

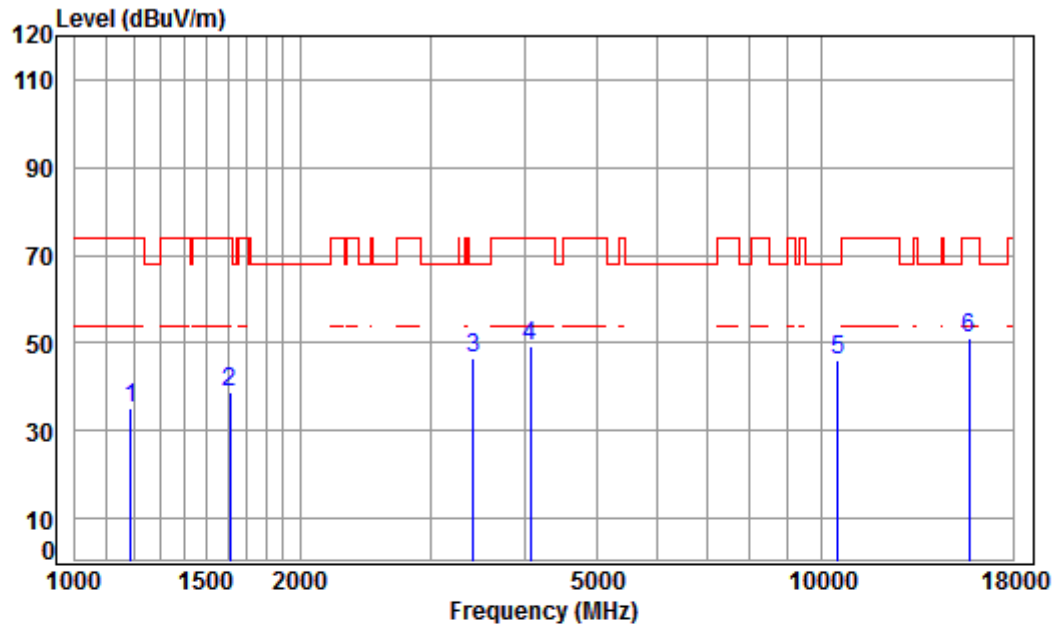


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 107 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

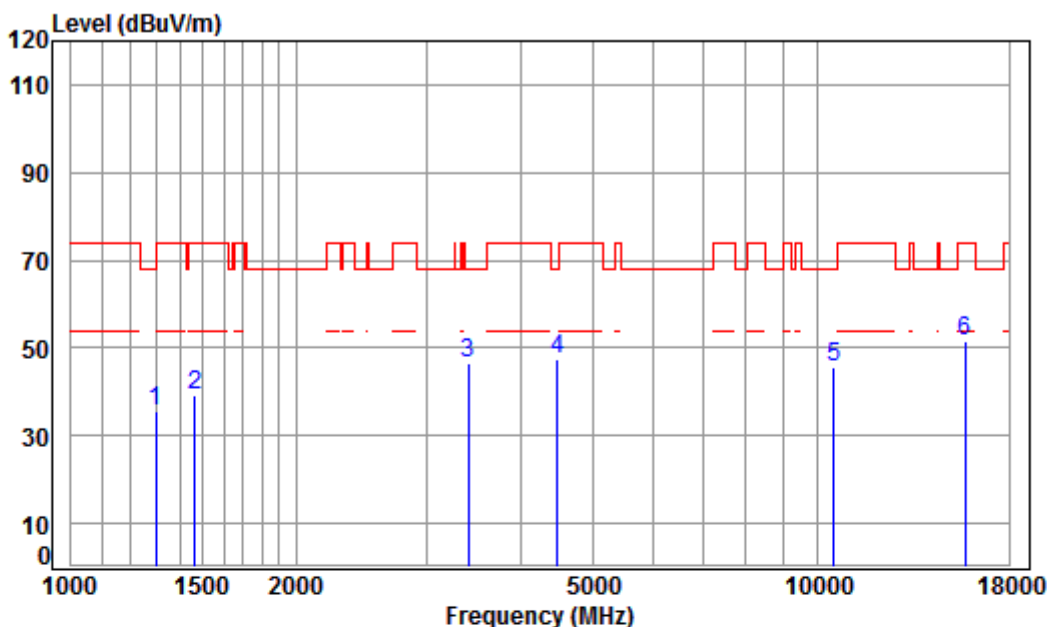
Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	4.38	24.43	38.07	44.26	35.00	74.00	-39.00	peak
2	1611.091	5.34	26.30	38.03	45.21	38.82	74.00	-35.18	peak
3 pp	3415.787	6.38	32.06	37.95	46.11	46.60	68.20	-21.60	peak
4	4074.388	7.07	33.60	38.04	46.63	49.26	74.00	-24.74	peak
5	10480.000	11.28	37.12	35.15	32.64	45.89	68.20	-22.31	peak
6	15720.000	14.57	41.31	38.10	33.54	51.32	74.00	-22.68	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.67	35.37	74.00	-38.63	peak
2	1464.522	5.37	25.66	38.04	46.14	39.13	74.00	-34.87	peak
3	3405.929	6.38	32.04	37.94	45.90	46.38	68.20	-21.82	peak
4 pp	4482.150	7.54	33.60	38.26	44.74	47.62	68.20	-20.58	peak
5	10480.000	11.28	37.12	35.15	32.60	45.85	68.20	-22.35	peak
6	15720.000	14.57	41.31	38.10	33.79	51.57	74.00	-22.43	peak

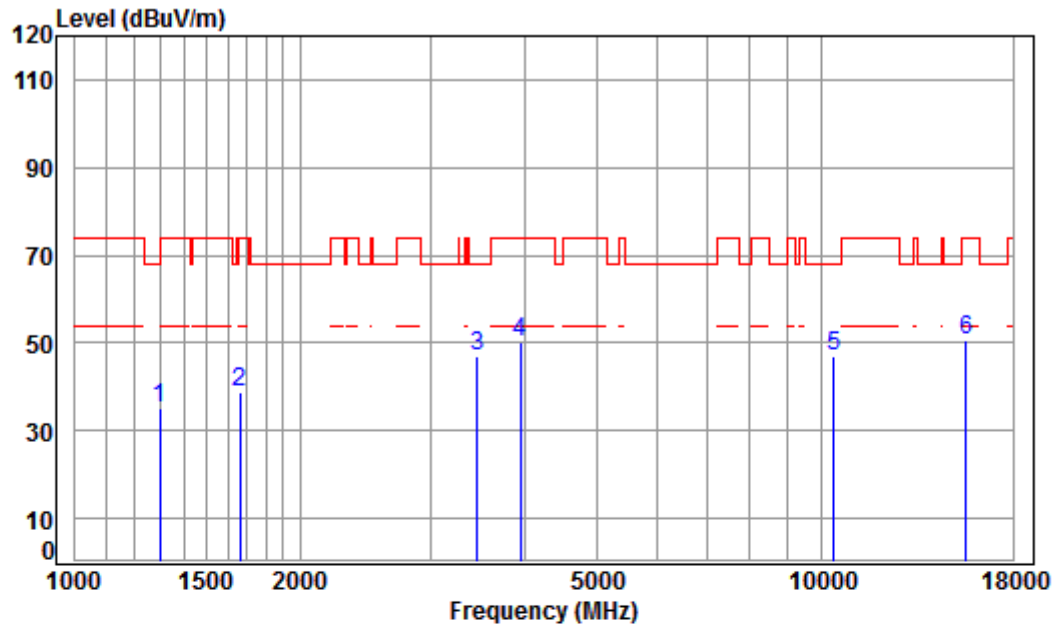


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 109 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	43.67	35.34	68.20	-32.86	peak
2	1663.137	5.27	26.52	38.03	45.13	38.89	74.00	-35.11	peak
3	3455.508	6.42	32.13	37.95	46.20	46.80	68.20	-21.40	peak
4	3946.885	6.93	33.46	38.00	47.93	50.32	74.00	-23.68	peak
5	pp10380.000	11.21	37.22	35.10	33.71	47.04	68.20	-21.16	peak
6	15570.000	14.35	41.37	38.26	33.38	50.84	74.00	-23.16	peak

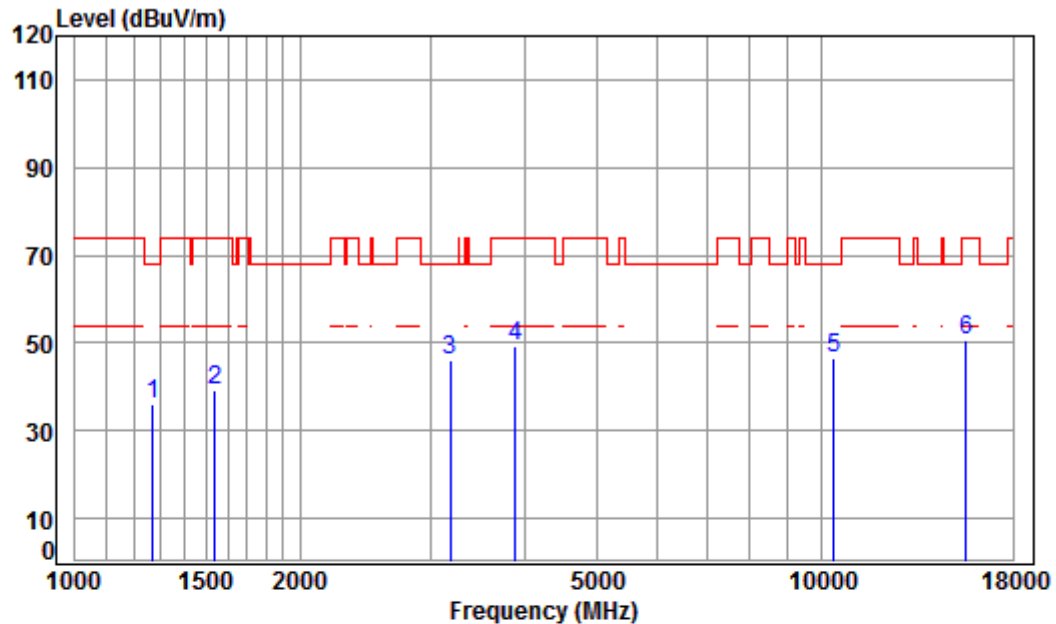


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 110 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.45	35.89	68.20	-32.31	peak
2	1538.281	5.43	25.98	38.04	45.64	39.01	74.00	-34.99	peak
3	3177.672	6.16	31.64	37.92	46.01	45.89	68.20	-22.31	peak
4	3890.255	6.87	33.31	37.99	47.28	49.47	74.00	-24.53	peak
5	pp10380.000	11.21	37.22	35.10	33.34	46.67	68.20	-21.53	peak
6	15570.000	14.35	41.37	38.26	33.16	50.62	74.00	-23.38	peak

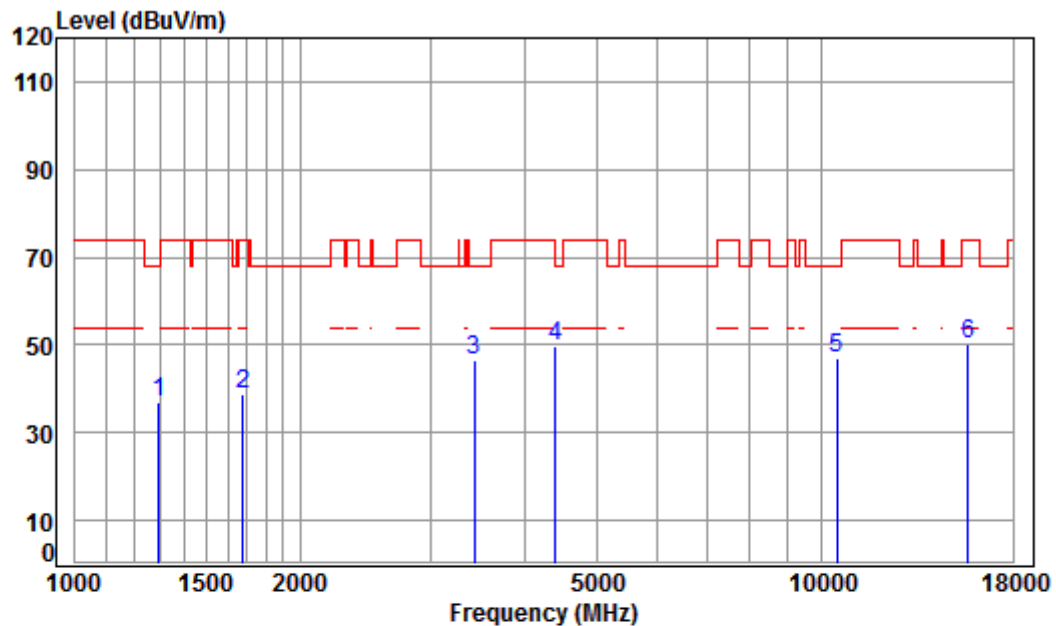


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 111 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	45.36	36.99	68.20	-31.21	peak
2	1677.621	5.25	26.58	38.03	45.09	38.89	74.00	-35.11	peak
3	3425.675	6.39	32.07	37.95	45.86	46.37	68.20	-21.83	peak
4	4392.376	7.44	33.60	38.21	46.90	49.73	74.00	-24.27	peak
5	pp10460.000	11.26	37.14	35.14	33.70	46.96	68.20	-21.24	peak
6	15690.000	14.53	41.32	38.13	32.65	50.37	74.00	-23.63	peak

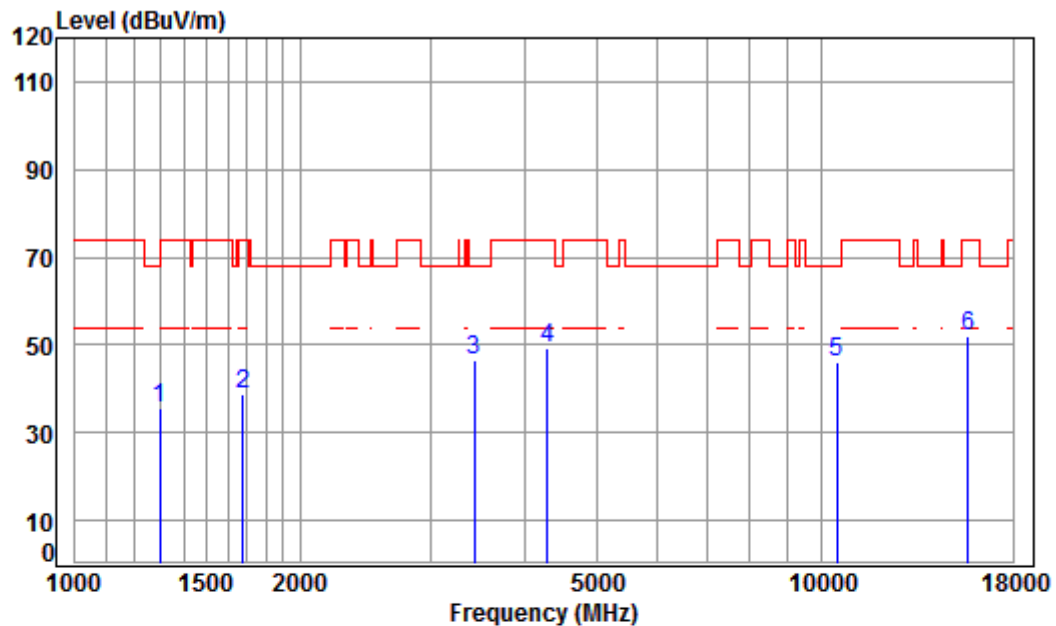


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 112 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.68	35.38	74.00	-38.62	peak
2	1677.621	5.25	26.58	38.03	44.93	38.73	74.00	-35.27	peak
3 pp	3425.675	6.39	32.07	37.95	46.17	46.68	68.20	-21.52	peak
4	4291.977	7.33	33.60	38.16	46.45	49.22	74.00	-24.78	peak
5	10460.000	11.26	37.14	35.14	32.89	46.15	68.20	-22.05	peak
6	15690.000	14.53	41.32	38.13	34.37	52.09	74.00	-21.91	peak

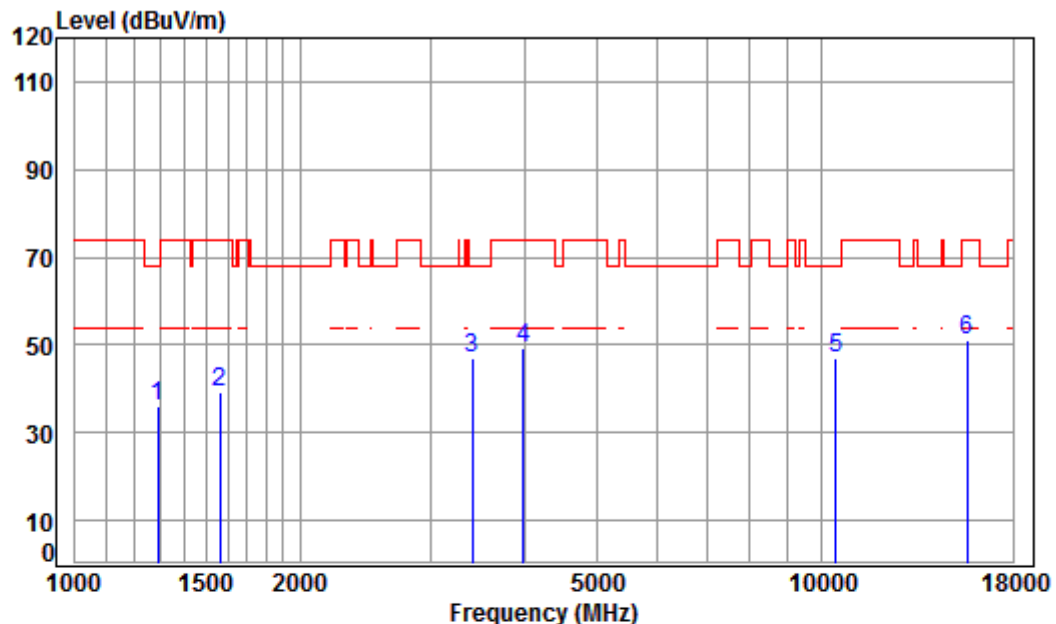


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 113 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.62	36.23	68.20	-31.97	peak
2	1565.191	5.39	26.10	38.04	45.75	39.20	74.00	-34.80	peak
3	3405.929	6.38	32.04	37.94	46.31	46.79	68.20	-21.41	peak
4	3981.257	6.96	33.55	38.00	46.77	49.28	74.00	-24.72	peak
5	pp10420.000	11.24	37.18	35.12	33.73	47.03	68.20	-21.17	peak
6	15630.000	14.44	41.35	38.20	33.45	51.04	74.00	-22.96	peak

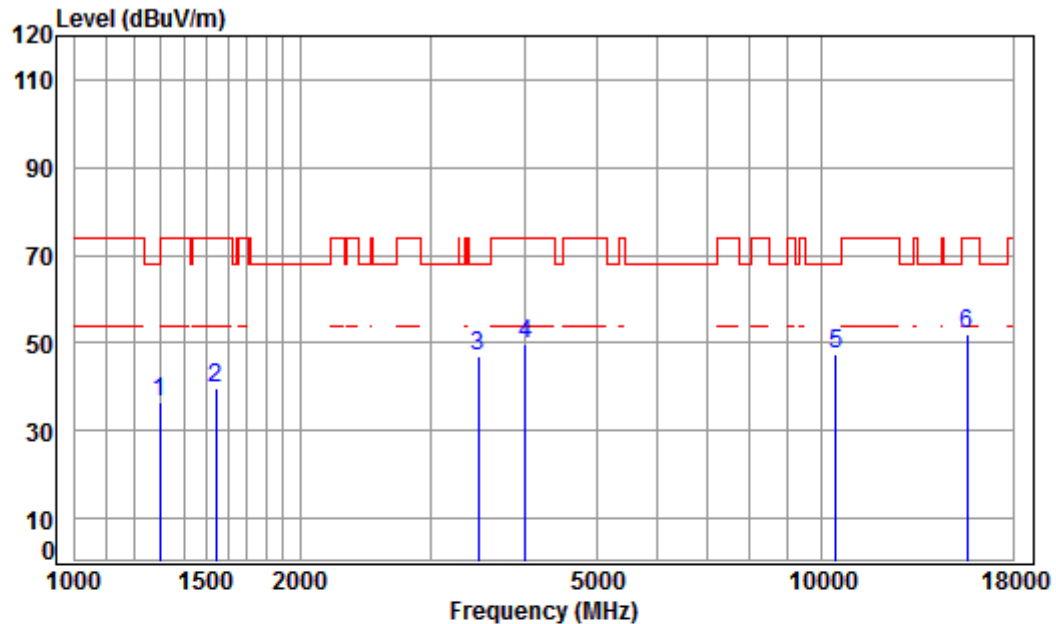


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 114 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.92	36.62	74.00	-37.38	peak
2	1542.733	5.42	26.00	38.04	46.41	39.79	74.00	-34.21	peak
3	3465.510	6.43	32.14	37.95	46.30	46.92	68.20	-21.28	peak
4	4004.339	6.99	33.60	38.00	47.05	49.64	74.00	-24.36	peak
5	pp10420.000	11.24	37.18	35.12	34.03	47.33	68.20	-20.87	peak
6	15630.000	14.44	41.35	38.20	34.60	52.19	74.00	-21.81	peak

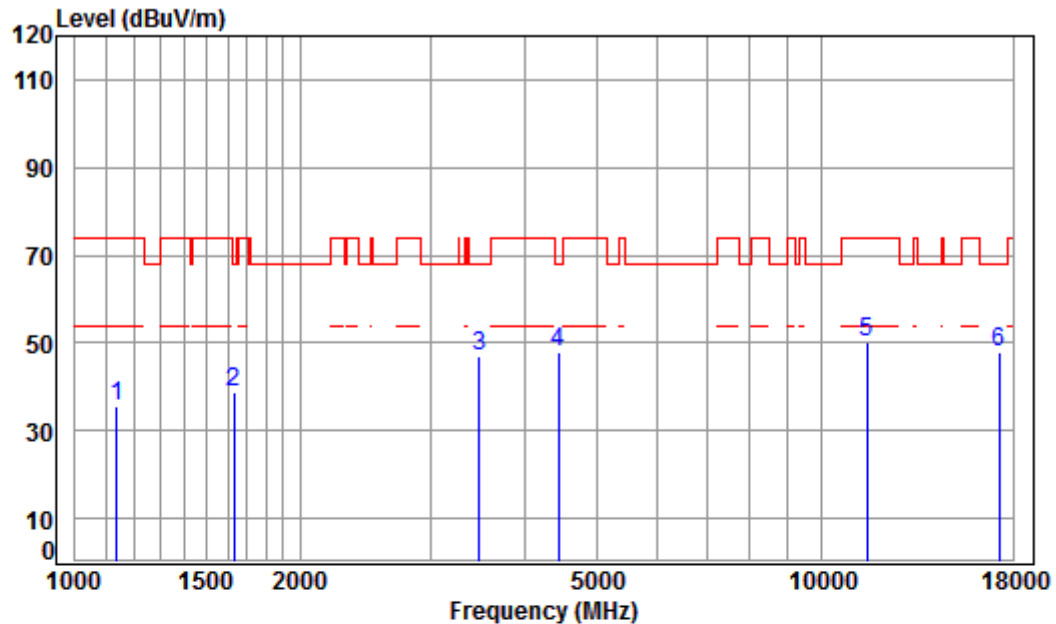


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 115 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1138.904	4.17	24.17	38.08	45.44	35.70	74.00	-38.30	peak
2	1629.825	5.31	26.38	38.03	45.00	38.66	68.20	-29.54	peak
3	3475.541	6.44	32.16	37.95	46.13	46.78	68.20	-21.42	peak
4	4430.628	7.48	33.60	38.23	45.18	48.03	68.20	-20.17	peak
5	11490.000	12.13	38.09	36.00	36.11	50.33	74.00	-23.67	peak
6	17235.000	16.18	43.08	36.18	24.93	48.01	68.20	-20.19	peak

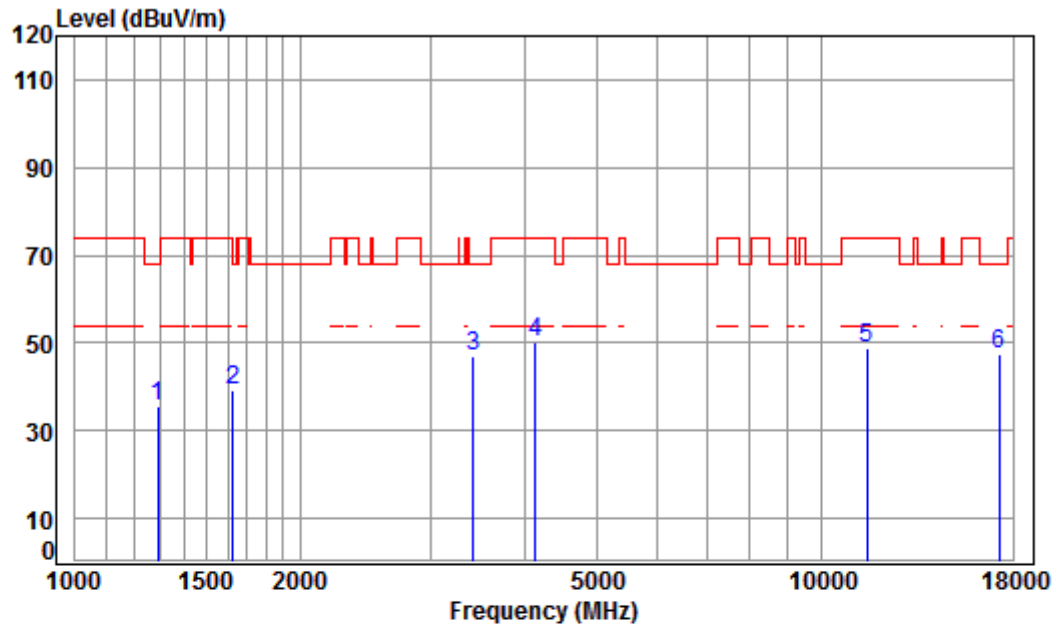


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 116 of 583

Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

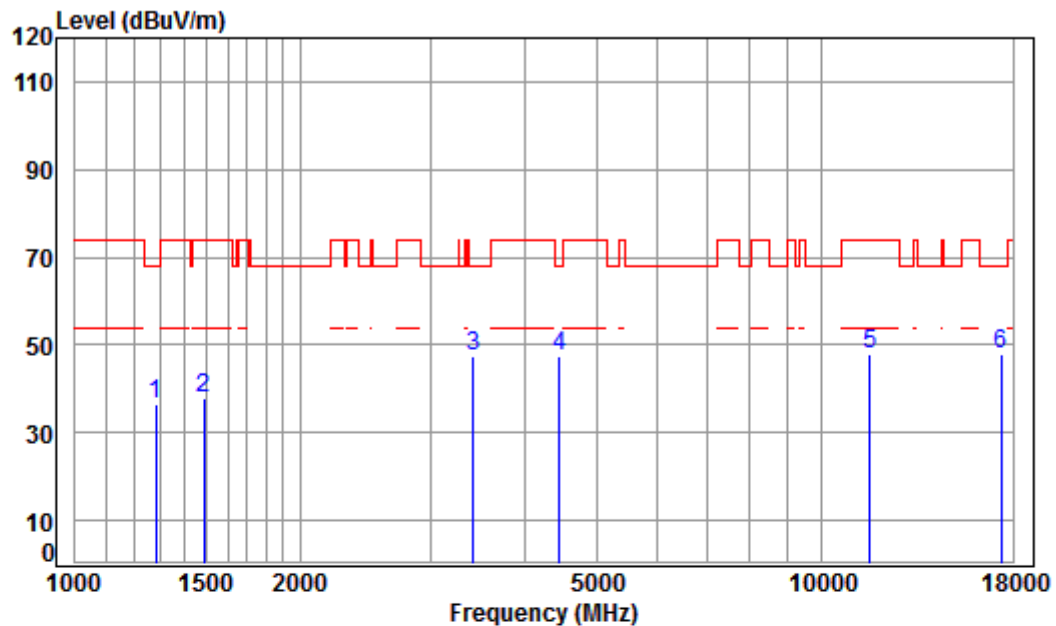
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.01	35.62	68.20	-32.58	peak
2	1625.121	5.32	26.36	38.03	45.67	39.32	74.00	-34.68	peak
3	3415.787	6.38	32.06	37.95	46.35	46.84	68.20	-21.36	peak
4	4133.699	7.14	33.60	38.07	47.67	50.34	74.00	-23.66	peak
5	11490.000	12.13	38.09	36.00	34.78	49.00	74.00	-25.00	peak
6	pp17235.000	16.18	43.08	36.18	24.44	47.52	68.20	-20.68	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

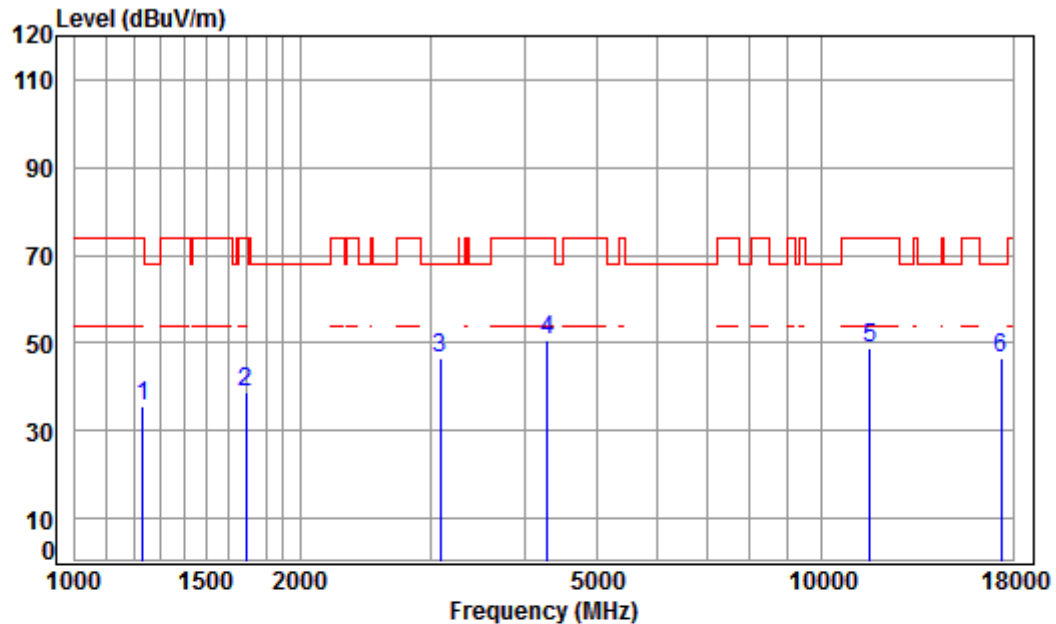
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.84	36.38	68.20	-31.82	peak
2	1485.841	5.43	25.74	38.04	44.77	37.90	74.00	-36.10	peak
3	3415.787	6.38	32.06	37.95	46.90	47.39	68.20	-20.81	peak
4	4456.315	7.51	33.60	38.24	44.43	47.30	68.20	-20.90	peak
5	11570.000	12.17	38.17	36.10	33.65	47.89	74.00	-26.11	peak
6	pp17355.000	15.92	43.23	36.12	24.67	47.70	68.20	-20.50	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.63	38.07	44.63	35.73	74.00	-38.27	peak
2	1692.231	5.24	26.64	38.02	44.99	38.85	74.00	-35.15	peak
3 pp	3078.229	6.06	31.45	37.91	46.85	46.45	68.20	-21.75	peak
4	4291.977	7.33	33.60	38.16	48.09	50.86	74.00	-23.14	peak
5	11570.000	12.17	38.17	36.10	34.36	48.60	74.00	-25.40	peak
6	17355.000	15.92	43.23	36.12	23.37	46.40	68.20	-21.80	peak

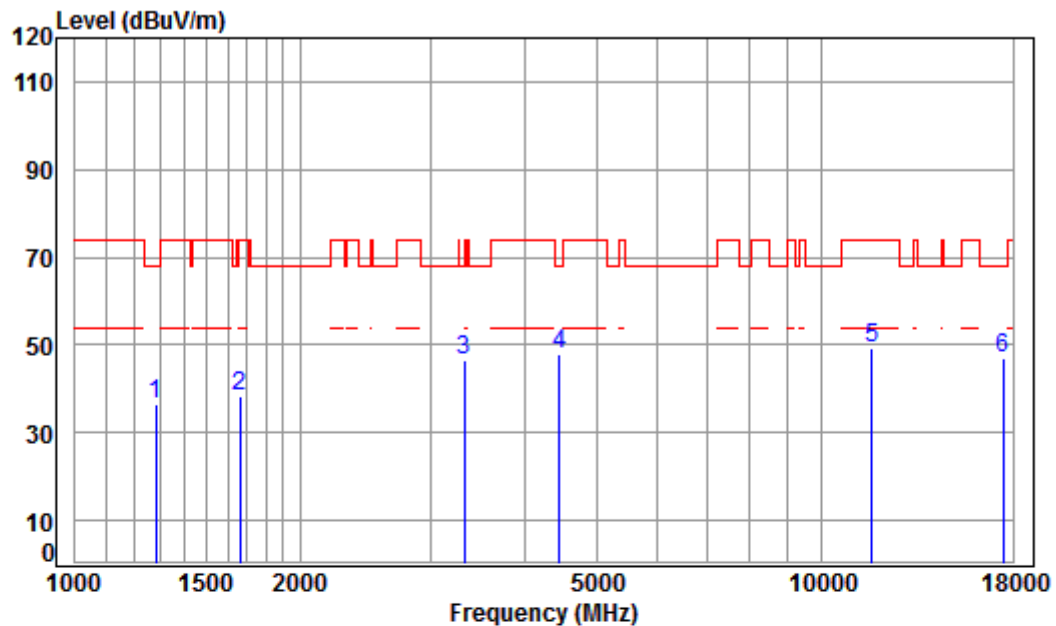


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 119 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.89	36.43	68.20	-31.77	peak
2	1663.137	5.27	26.52	38.03	44.66	38.42	74.00	-35.58	peak
3	3318.471	6.29	31.89	37.94	46.14	46.38	68.20	-21.82	peak
4 pp	4456.315	7.51	33.60	38.24	45.03	47.90	68.20	-20.30	peak
5	11650.000	12.20	38.25	36.19	35.22	49.48	74.00	-24.52	peak
6	17475.000	15.65	43.37	36.06	24.08	47.04	68.20	-21.16	peak

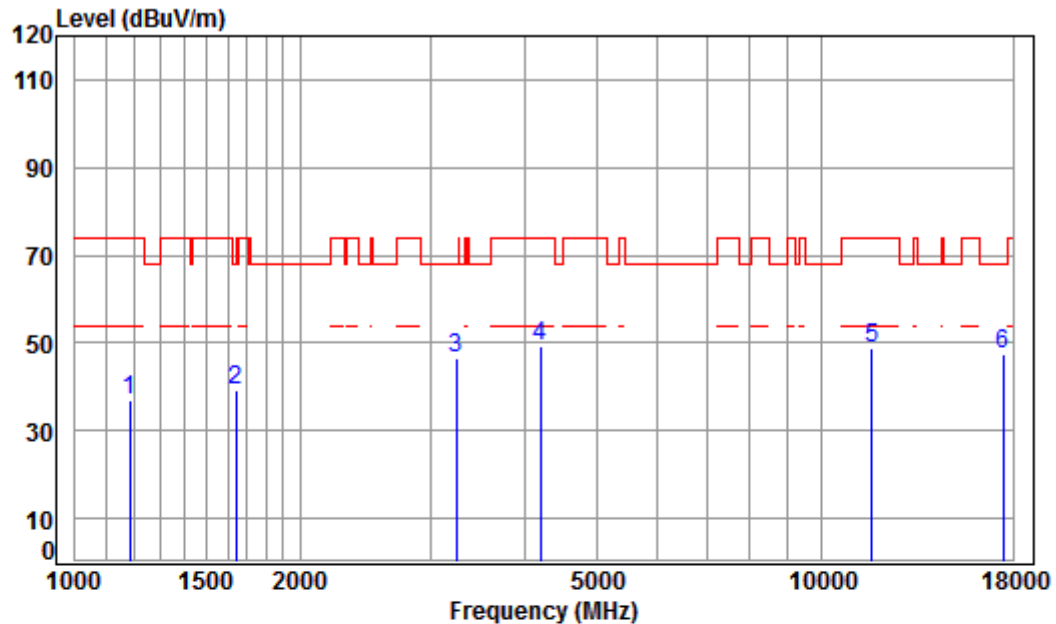


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 120 of 583

Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	4.36	24.41	38.08	46.21	36.90	74.00	-37.10	peak
2	1644.019	5.30	26.44	38.03	45.55	39.26	68.20	-28.94	peak
3	3242.619	6.22	31.75	37.93	46.66	46.70	68.20	-21.50	peak
4	4193.872	7.21	33.60	38.11	46.72	49.42	74.00	-24.58	peak
5	11650.000	12.20	38.25	36.19	34.66	48.92	74.00	-25.08	peak
6	pp17475.000	15.65	43.37	36.06	24.28	47.24	68.20	-20.96	peak

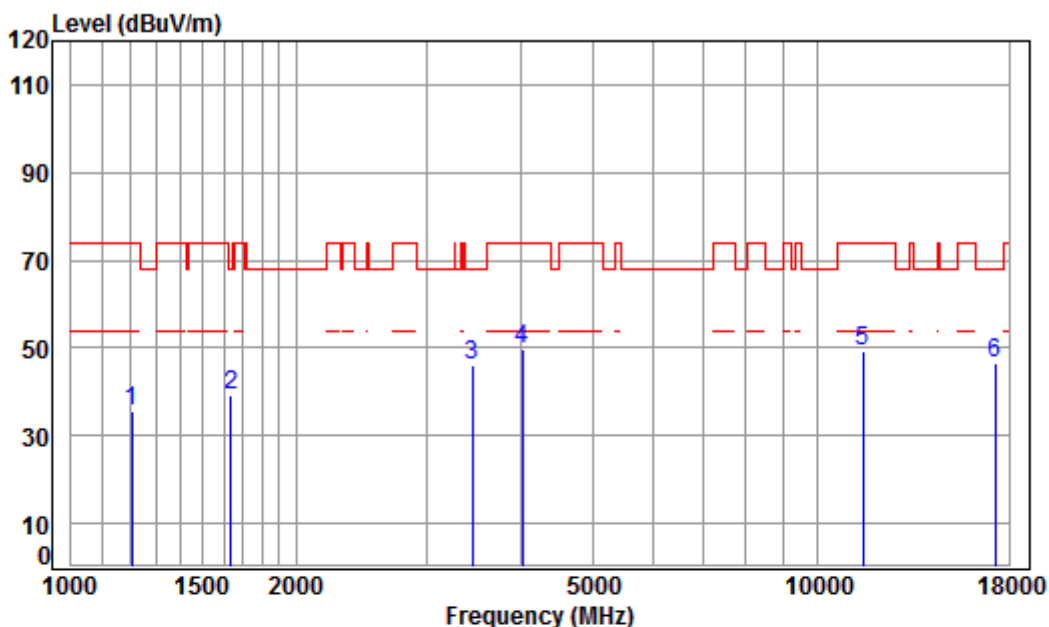


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 121 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

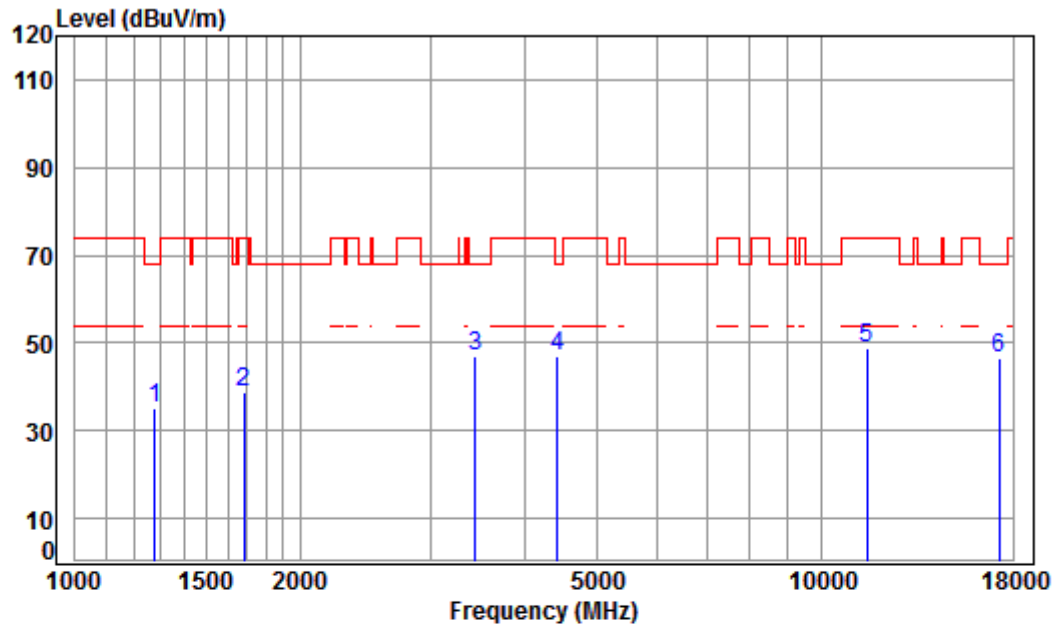
Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.682	4.44	24.51	38.07	44.71	35.59	74.00	-38.41	peak
2	1639.274	5.30	26.42	38.03	45.36	39.05	68.20	-29.15	peak
3	3445.535	6.41	32.11	37.95	45.59	46.16	68.20	-22.04	peak
4	4015.929	7.00	33.60	38.01	46.95	49.54	74.00	-24.46	peak
5	11490.000	12.13	38.09	36.00	35.10	49.32	74.00	-24.68	peak
6	pp17235.000	16.18	43.08	36.18	23.47	46.55	68.20	-21.65	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	43.83	35.34	68.20	-32.86	peak
2	1682.477	5.25	26.60	38.02	45.09	38.92	74.00	-35.08	peak
3	3435.590	6.40	32.09	37.95	46.29	46.83	68.20	-21.37	peak
4 pp	4417.841	7.47	33.60	38.22	44.01	46.86	68.20	-21.34	peak
5	11490.000	12.13	38.09	36.00	34.61	48.83	74.00	-25.17	peak
6	17235.000	16.18	43.08	36.18	23.57	46.65	68.20	-21.55	peak

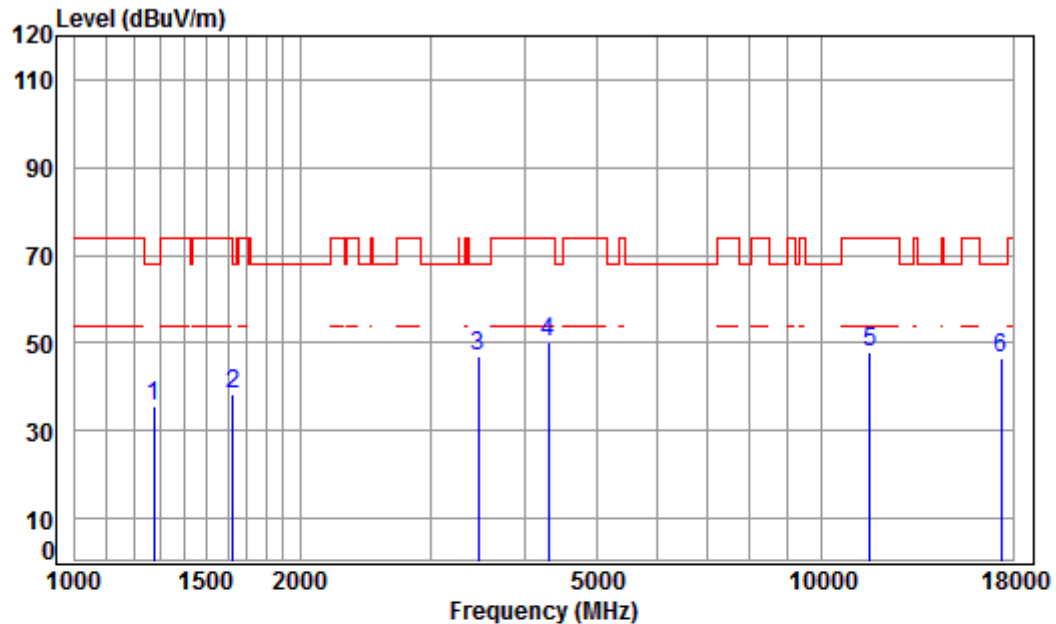


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 123 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.15	35.64	68.20	-32.56	peak
2	1625.121	5.32	26.36	38.03	44.62	38.27	74.00	-35.73	peak
3 pp	3465.510	6.43	32.14	37.95	46.15	46.77	68.20	-21.43	peak
4	4304.400	7.34	33.60	38.16	47.57	50.35	74.00	-23.65	peak
5	11570.000	12.17	38.17	36.10	33.57	47.81	74.00	-26.19	peak
6	17355.000	15.92	43.23	36.12	23.59	46.62	68.20	-21.58	peak

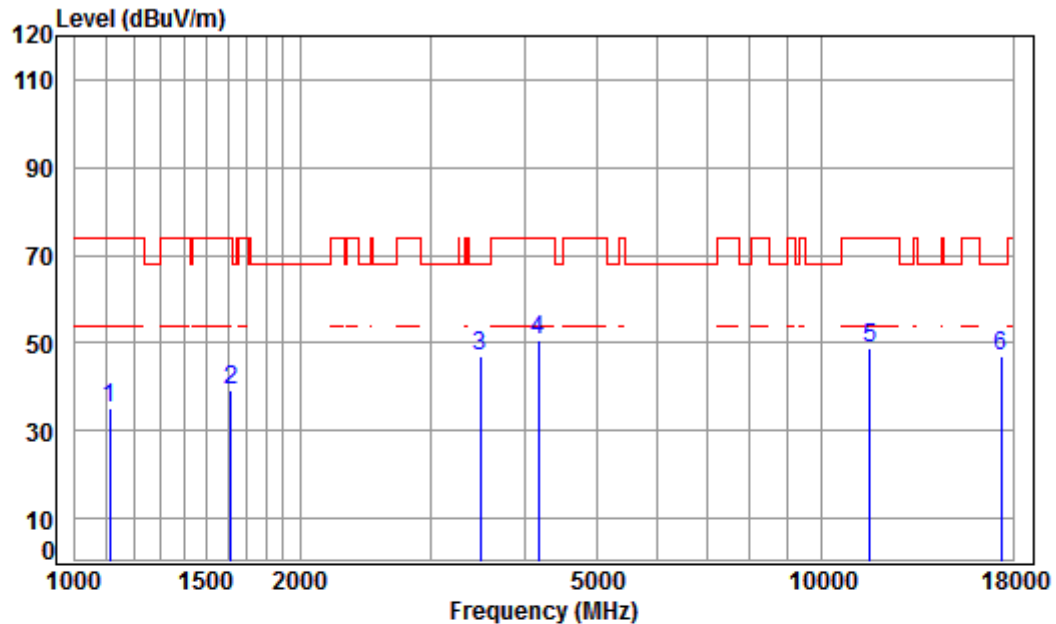


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 124 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

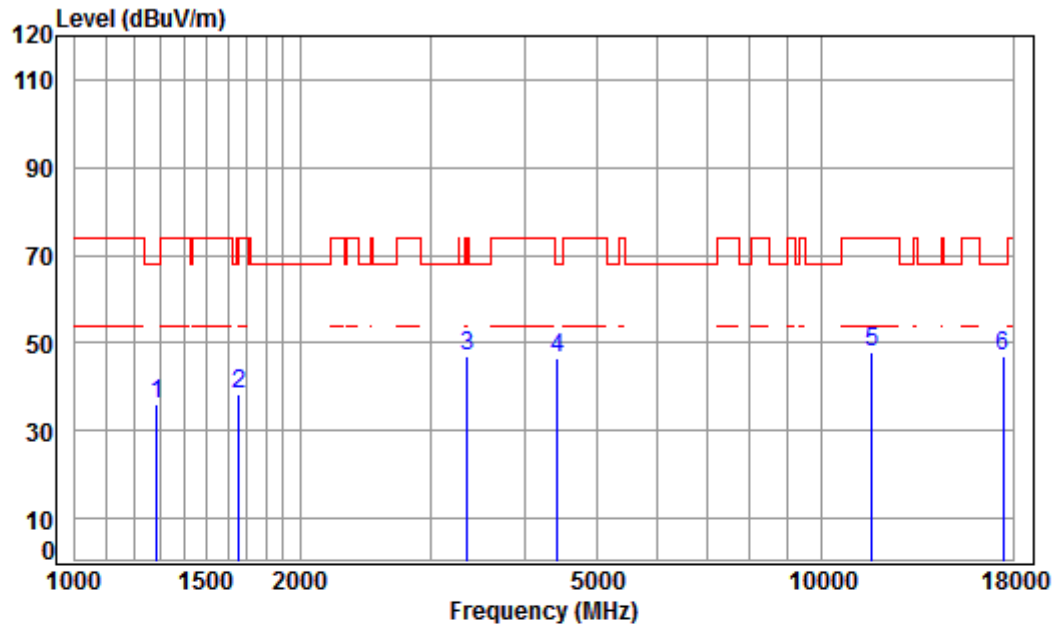
Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	45.05	35.06	74.00	-38.94	peak
2	1615.754	5.33	26.32	38.03	45.47	39.09	74.00	-34.91	peak
3 pp	3485.601	6.45	32.18	37.95	46.19	46.87	68.20	-21.33	peak
4	4169.698	7.18	33.60	38.09	47.83	50.52	74.00	-23.48	peak
5	11570.000	12.17	38.17	36.10	34.68	48.92	74.00	-25.08	peak
6	17355.000	15.92	43.23	36.12	23.77	46.80	68.20	-21.40	peak



Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

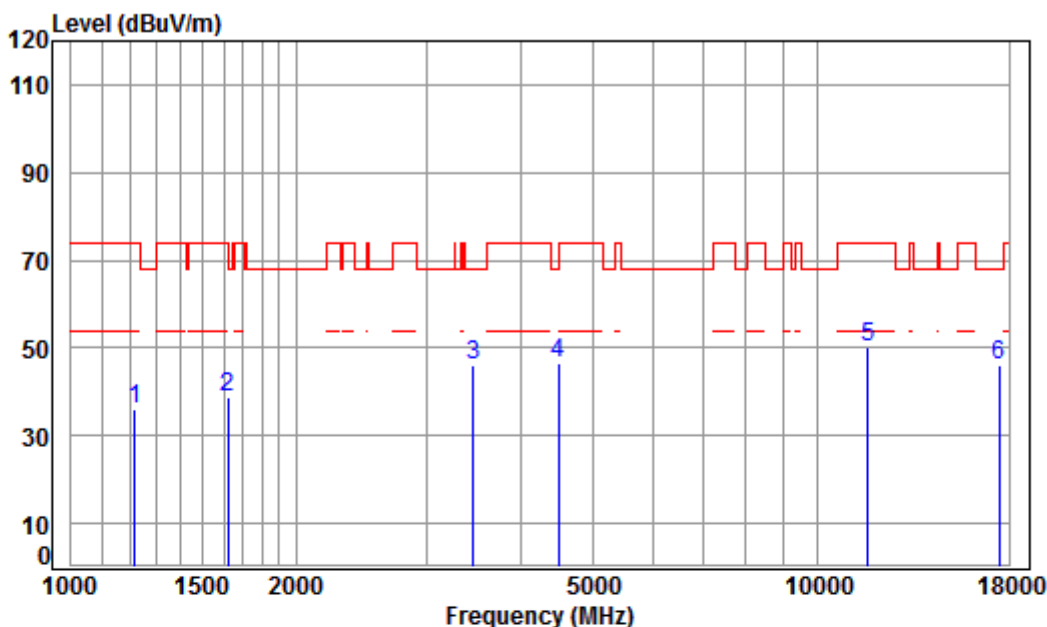
Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.33	35.91	68.20	-32.29	peak
2	1658.337	5.28	26.50	38.03	44.63	38.38	68.20	-29.82	peak
3	3347.371	6.32	31.94	37.94	46.63	46.95	74.00	-27.05	peak
4	4417.841	7.47	33.60	38.22	43.50	46.35	68.20	-21.85	peak
5	11650.000	12.20	38.25	36.19	33.86	48.12	74.00	-25.88	peak
6	17475.000	15.65	43.37	36.06	23.89	46.85	68.20	-21.35	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1217.190	4.49	24.56	38.07	45.06	36.04	74.00	-37.96	peak
2	1620.431	5.32	26.34	38.03	44.98	38.61	74.00	-35.39	peak
3	3455.508	6.42	32.13	37.95	45.63	46.23	68.20	-21.97	peak
4 pp	4495.125	7.55	33.60	38.26	43.56	46.45	68.20	-21.75	peak
5	11650.000	12.20	38.25	36.19	35.73	49.99	74.00	-24.01	peak
6	17475.000	15.65	43.37	36.06	23.33	46.29	68.20	-21.91	peak

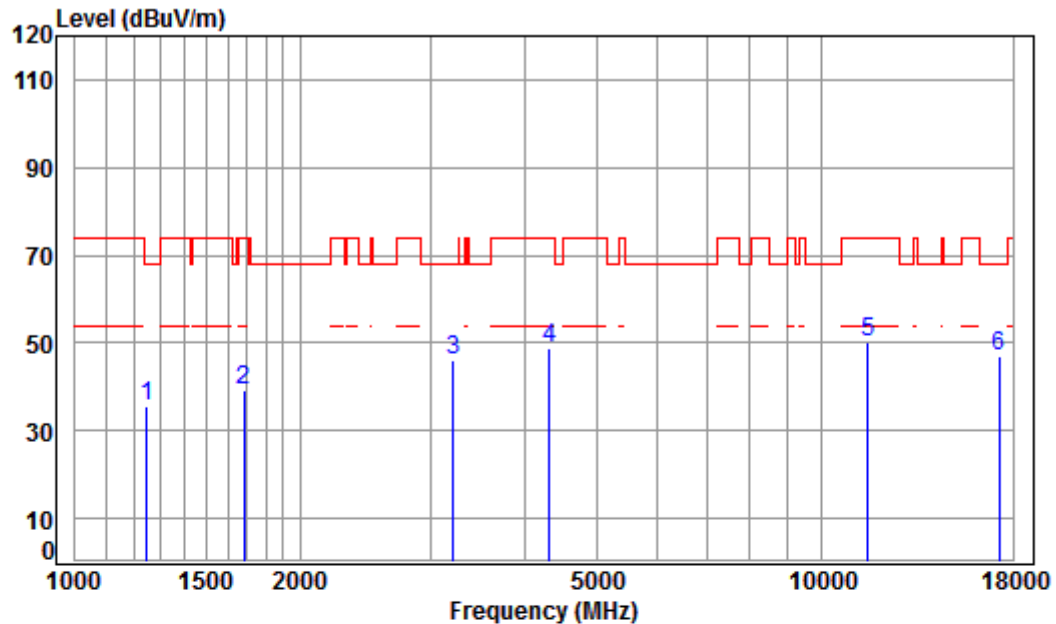


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 127 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

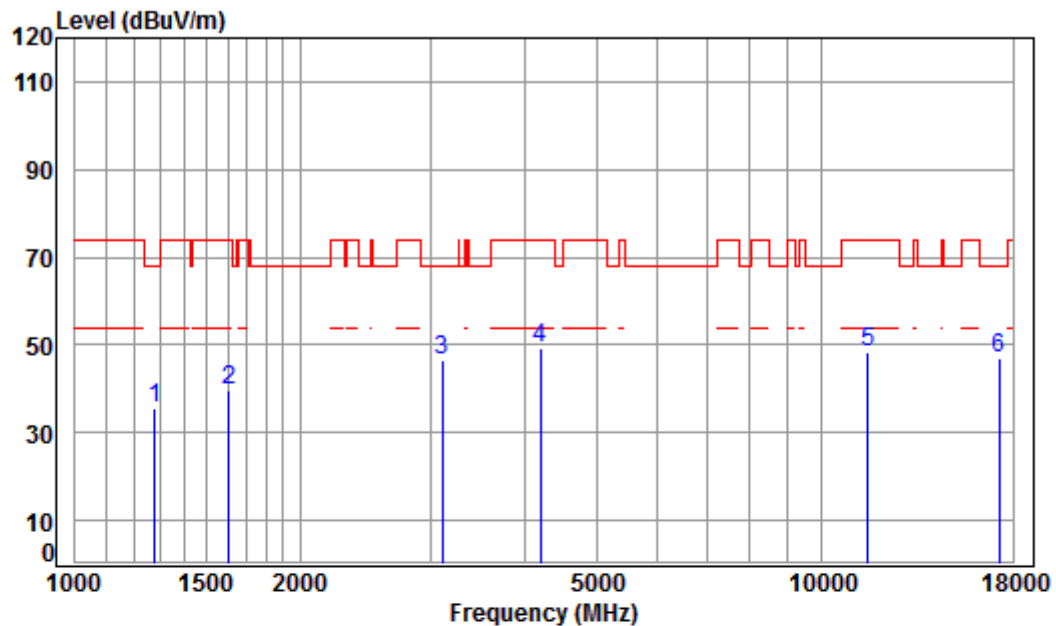
Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	38.07	44.19	35.45	68.20	-32.75	peak
2	1682.477	5.25	26.60	38.02	45.40	39.23	74.00	-34.77	peak
3	3205.345	6.19	31.69	37.92	46.17	46.13	68.20	-22.07	peak
4	4316.859	7.36	33.60	38.17	46.22	49.01	74.00	-24.99	peak
5	11510.000	12.14	38.11	36.03	35.82	50.04	74.00	-23.96	peak
6	pp17265.000	16.12	43.12	36.16	23.89	46.97	68.20	-21.23	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	44.12	35.63	68.20	-32.57	peak
2	1606.441	5.34	26.28	38.03	45.91	39.50	74.00	-34.50	peak
3	3105.037	6.09	31.50	37.91	47.03	46.71	68.20	-21.49	peak
4	4193.872	7.21	33.60	38.11	46.50	49.20	74.00	-24.80	peak
5	11510.000	12.14	38.11	36.03	33.95	48.17	74.00	-25.83	peak
6	pp17265.000	16.12	43.12	36.16	24.09	47.17	68.20	-21.03	peak

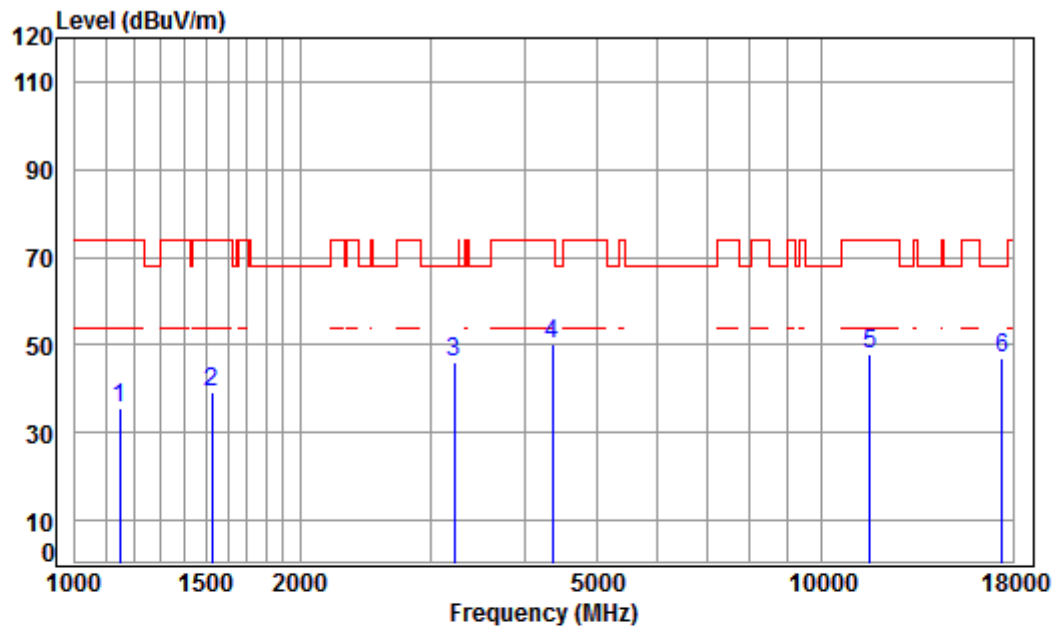


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 129 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

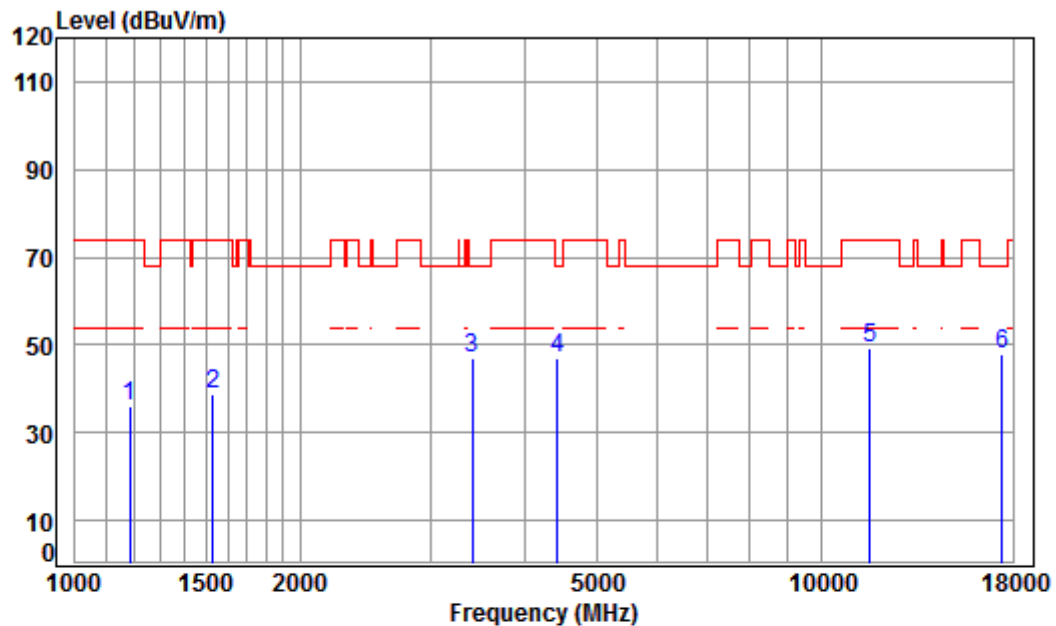
Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.823	4.21	24.22	38.08	45.17	35.52	74.00	-38.48	peak
2	1525.000	5.45	25.91	38.04	45.87	39.19	74.00	-34.81	peak
3	3214.623	6.20	31.70	37.92	46.07	46.05	68.20	-22.15	peak
4	4354.454	7.40	33.60	38.19	47.20	50.01	74.00	-23.99	peak
5	11590.000	12.17	38.19	36.12	33.77	48.01	74.00	-25.99	peak
6	pp17385.000	15.85	43.26	36.10	24.14	47.15	68.20	-21.05	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.513	4.35	24.39	38.08	45.61	36.27	74.00	-37.73	peak
2	1529.414	5.44	25.94	38.04	45.22	38.56	74.00	-35.44	peak
3	3405.929	6.38	32.04	37.94	46.56	47.04	68.20	-21.16	peak
4	4417.841	7.47	33.60	38.22	44.21	47.06	68.20	-21.14	peak
5	11590.000	12.17	38.19	36.12	35.04	49.28	74.00	-24.72	peak
6	pp17385.000	15.85	43.26	36.10	24.90	47.91	68.20	-20.29	peak

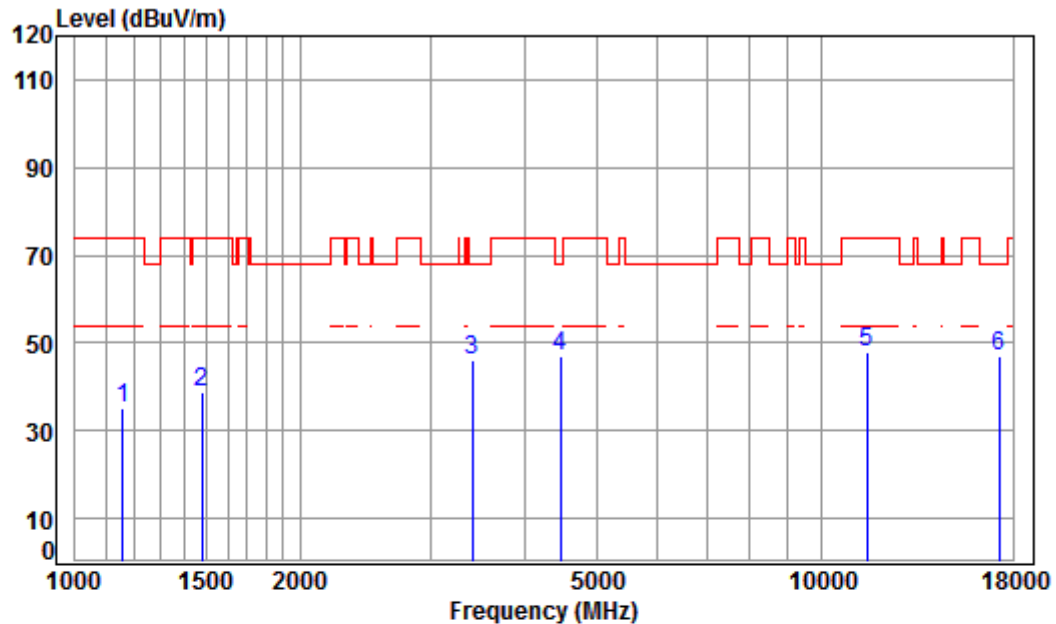


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 131 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.828	4.25	24.27	38.08	44.87	35.31	74.00	-38.69	peak
2	1477.276	5.41	25.71	38.04	45.63	38.71	74.00	-35.29	peak
3	3405.929	6.38	32.04	37.94	45.47	45.95	68.20	-22.25	peak
4 pp	4469.214	7.53	33.60	38.25	44.32	47.20	68.20	-21.00	peak
5	11490.000	12.13	38.09	36.00	33.66	47.88	74.00	-26.12	peak
6	17235.000	16.18	43.08	36.18	23.90	46.98	68.20	-21.22	peak

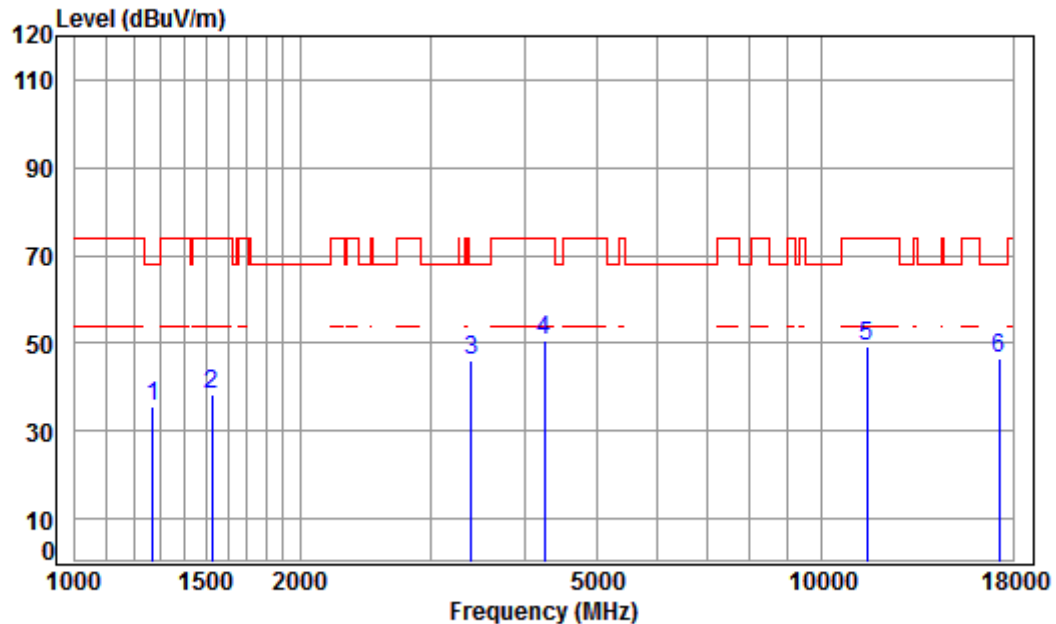


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 132 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.34	35.78	68.20	-32.42	peak
2	1525.000	5.45	25.91	38.04	44.88	38.20	74.00	-35.80	peak
3	3396.098	6.37	32.02	37.94	45.81	46.26	68.20	-21.94	peak
4	4242.641	7.27	33.60	38.13	47.91	50.65	74.00	-23.35	peak
5	11490.000	12.13	38.09	36.00	35.01	49.23	74.00	-24.77	peak
6	17235.000	16.18	43.08	36.18	23.46	46.54	68.20	-21.66	peak

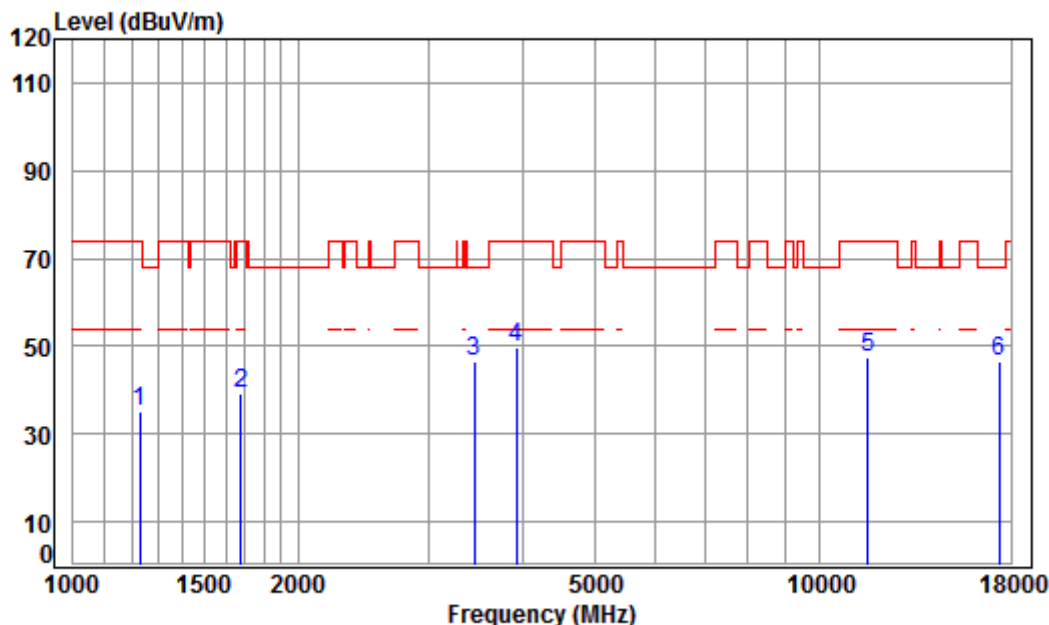


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 133 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

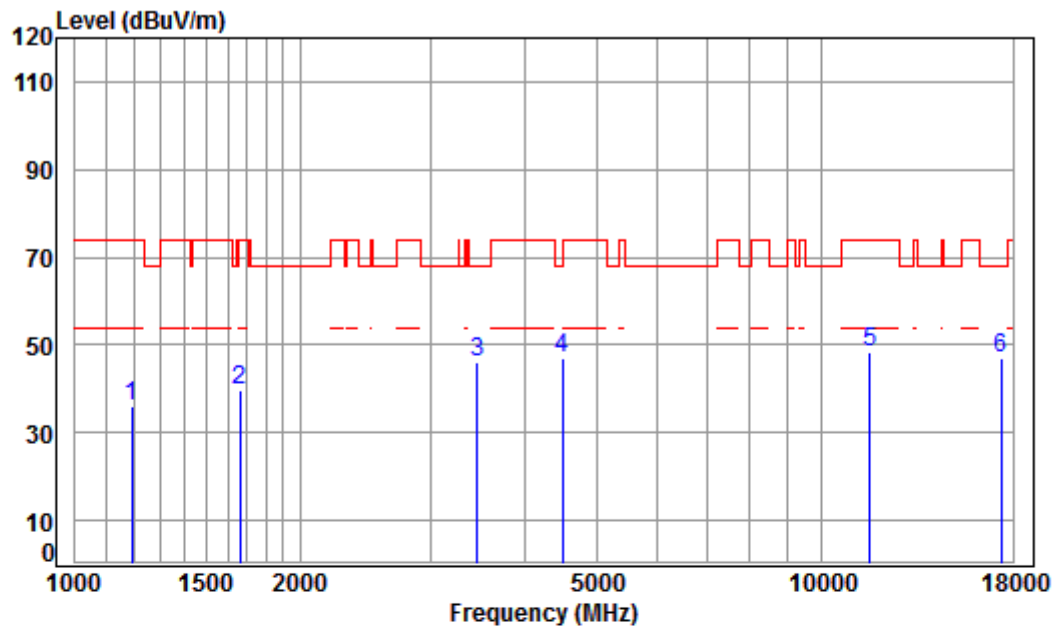
Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.16	35.23	74.00	-38.77	peak
2	1677.621	5.25	26.58	38.03	45.48	39.28	74.00	-34.72	peak
3	3445.535	6.41	32.11	37.95	45.96	46.53	68.20	-21.67	peak
4	3924.135	6.91	33.40	37.99	47.51	49.83	74.00	-24.17	peak
5	11570.000	12.17	38.17	36.10	33.39	47.63	74.00	-26.37	peak
6	17355.000	15.92	43.23	36.12	23.71	46.74	68.20	-21.46	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.23	35.99	74.00	-38.01	peak
2	1663.137	5.27	26.52	38.03	45.77	39.53	74.00	-34.47	peak
3	3455.508	6.42	32.13	37.95	45.50	46.10	68.20	-22.10	peak
4	4495.125	7.55	33.60	38.26	44.04	46.93	68.20	-21.27	peak
5	11570.000	12.17	38.17	36.10	34.14	48.38	74.00	-25.62	peak
6	17355.000	15.92	43.23	36.12	24.05	47.08	68.20	-21.12	peak

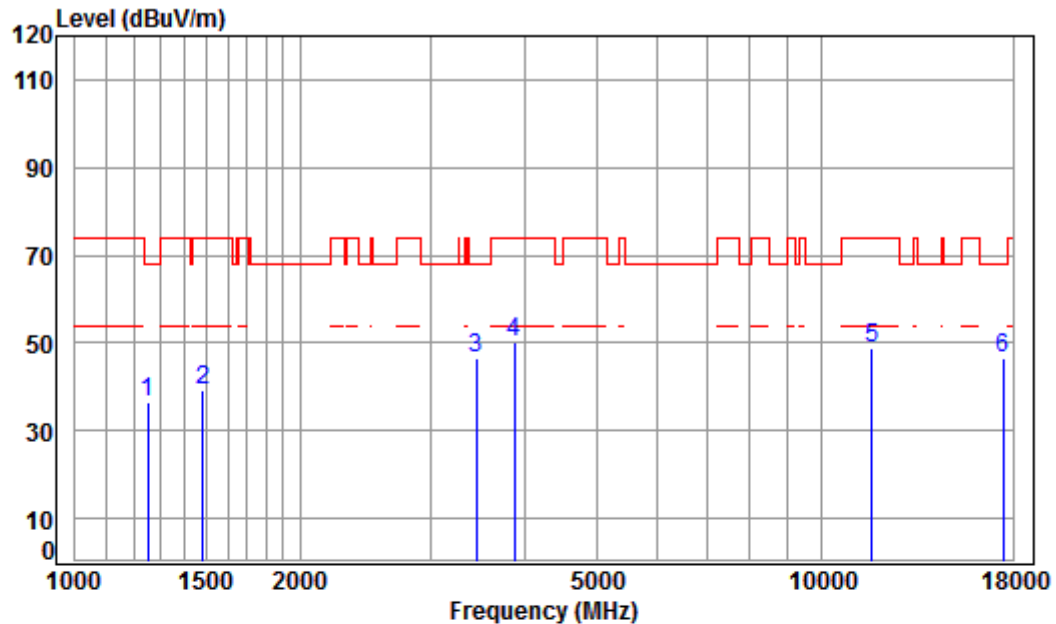


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 135 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.73	38.07	45.26	36.54	68.20	-31.66	peak
2	1481.553	5.42	25.73	38.04	45.98	39.09	74.00	-34.91	peak
3	3445.535	6.41	32.11	37.95	45.80	46.37	68.20	-21.83	peak
4	3867.831	6.85	33.25	37.99	47.86	49.97	74.00	-24.03	peak
5	11650.000	12.20	38.25	36.19	34.60	48.86	74.00	-25.14	peak
6	pp17475.000	15.65	43.37	36.06	23.65	46.61	68.20	-21.59	peak

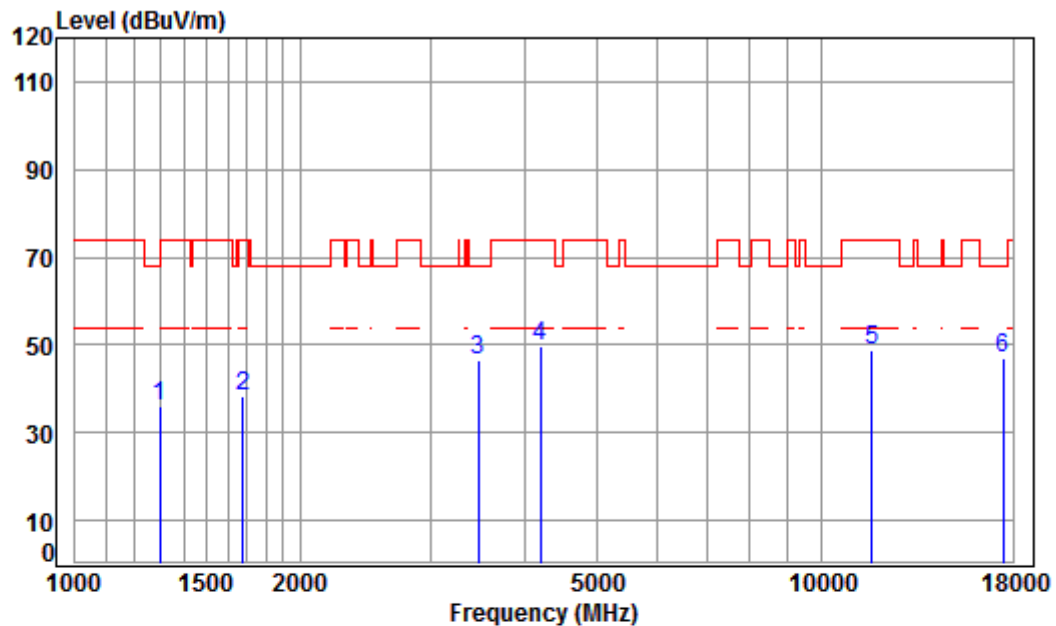


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 136 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

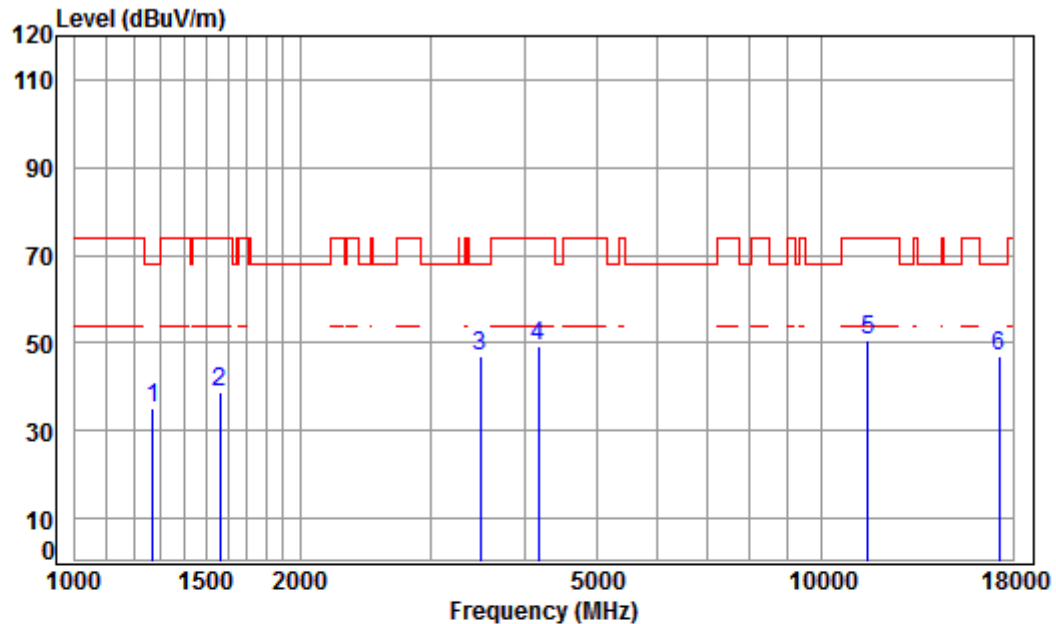
Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	44.22	35.89	68.20	-32.31	peak
2	1677.621	5.25	26.58	38.03	44.64	38.44	74.00	-35.56	peak
3	3465.510	6.43	32.14	37.95	45.71	46.33	68.20	-21.87	peak
4	4193.872	7.21	33.60	38.11	46.85	49.55	74.00	-24.45	peak
5	11650.000	12.20	38.25	36.19	34.55	48.81	74.00	-25.19	peak
6	pp17475.000	15.65	43.37	36.06	24.03	46.99	68.20	-21.21	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

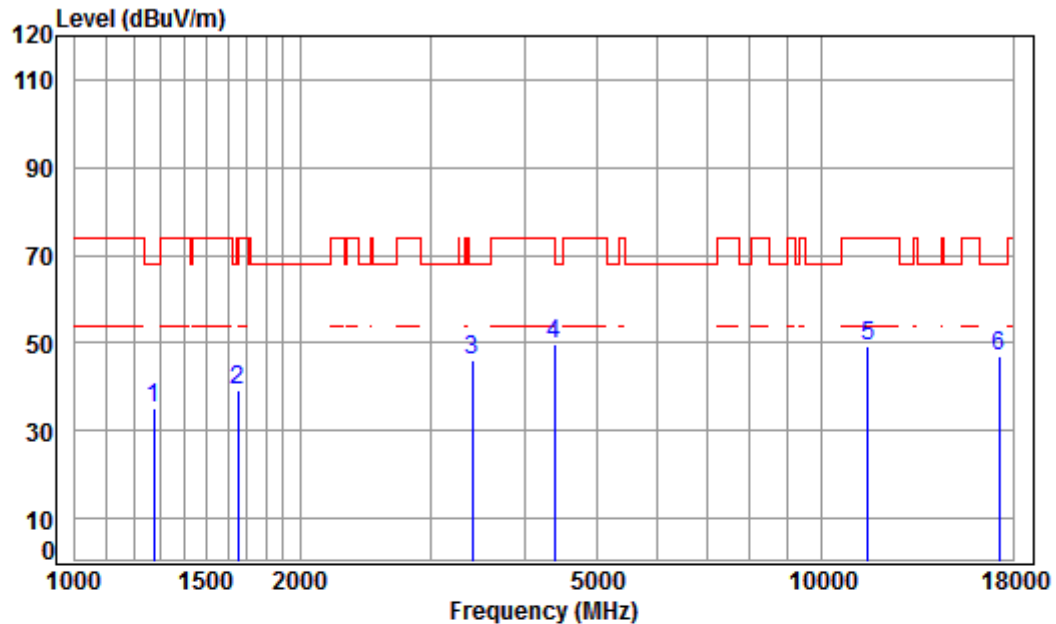
Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	43.62	35.06	68.20	-33.14	peak
2	1565.191	5.39	26.10	38.04	45.37	38.82	74.00	-35.18	peak
3	pp 3485.601	6.45	32.18	37.95	46.29	46.97	68.20	-21.23	peak
4	4169.698	7.18	33.60	38.09	46.79	49.48	74.00	-24.52	peak
5	11510.000	12.14	38.11	36.03	36.65	50.87	74.00	-23.13	peak
6	17265.000	16.12	43.12	36.16	23.82	46.90	68.20	-21.30	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

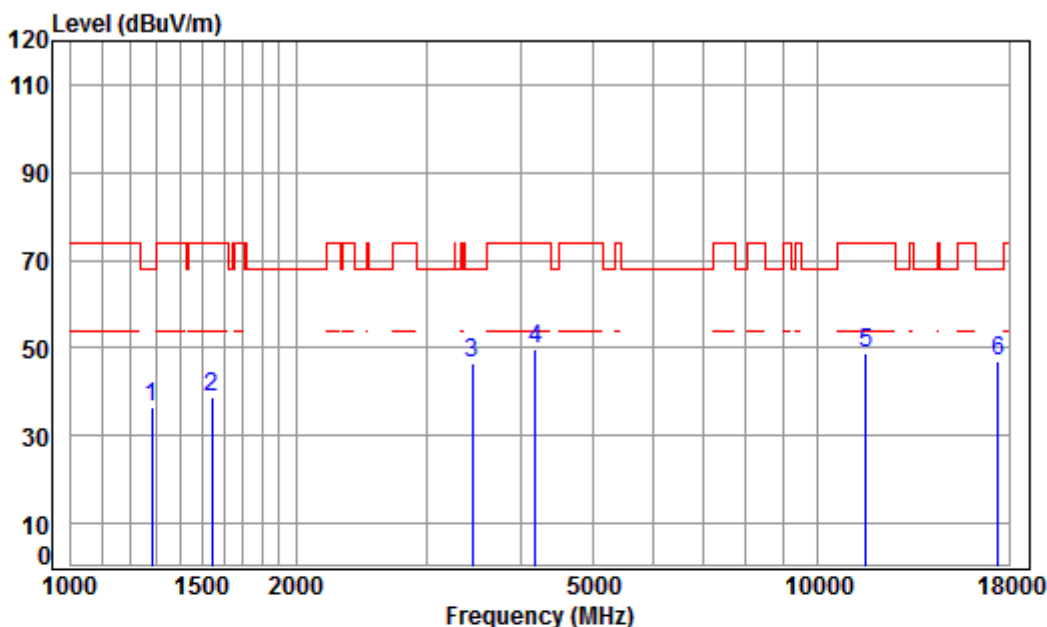
Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	43.56	35.05	68.20	-33.15	peak
2	1653.550	5.28	26.48	38.03	45.48	39.21	68.20	-28.99	peak
3	3405.929	6.38	32.04	37.94	45.40	45.88	68.20	-22.32	peak
4	4379.699	7.43	33.60	38.20	46.78	49.61	74.00	-24.39	peak
5	11510.000	12.14	38.11	36.03	35.17	49.39	74.00	-24.61	peak
6	pp17265.000	16.12	43.12	36.16	23.70	46.78	68.20	-21.42	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.94	36.48	68.20	-31.72	peak
2	1542.733	5.42	26.00	38.04	45.43	38.81	74.00	-35.19	peak
3	3445.535	6.41	32.11	37.95	45.97	46.54	68.20	-21.66	peak
4	4181.768	7.20	33.60	38.10	47.11	49.81	74.00	-24.19	peak
5	11590.000	12.17	38.19	36.12	34.78	49.02	74.00	-24.98	peak
6	pp17385.000	15.85	43.26	36.10	24.02	47.03	68.20	-21.17	peak

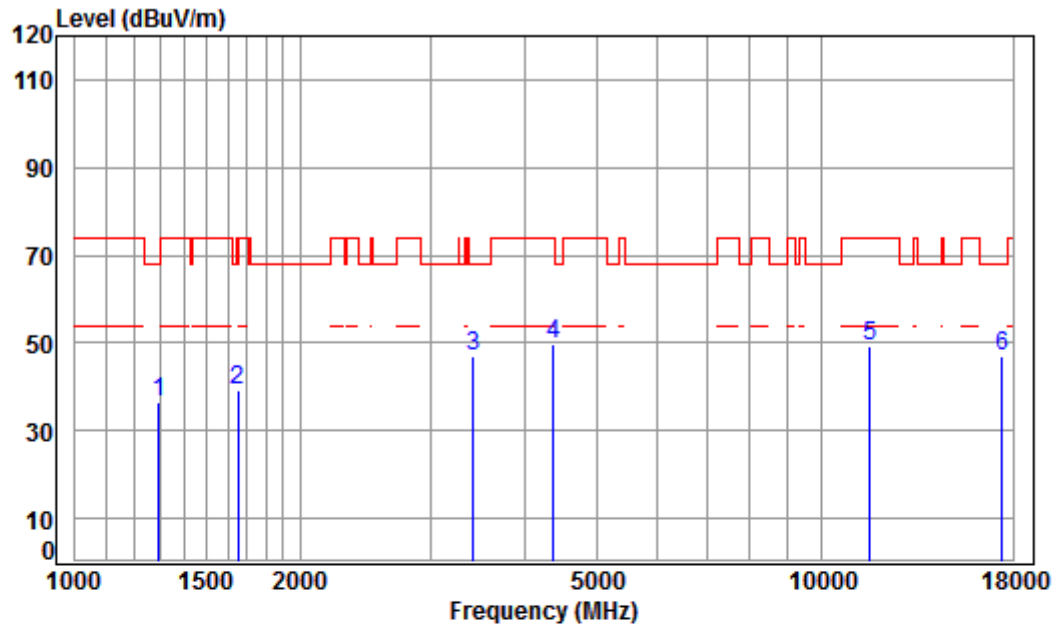


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 140 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

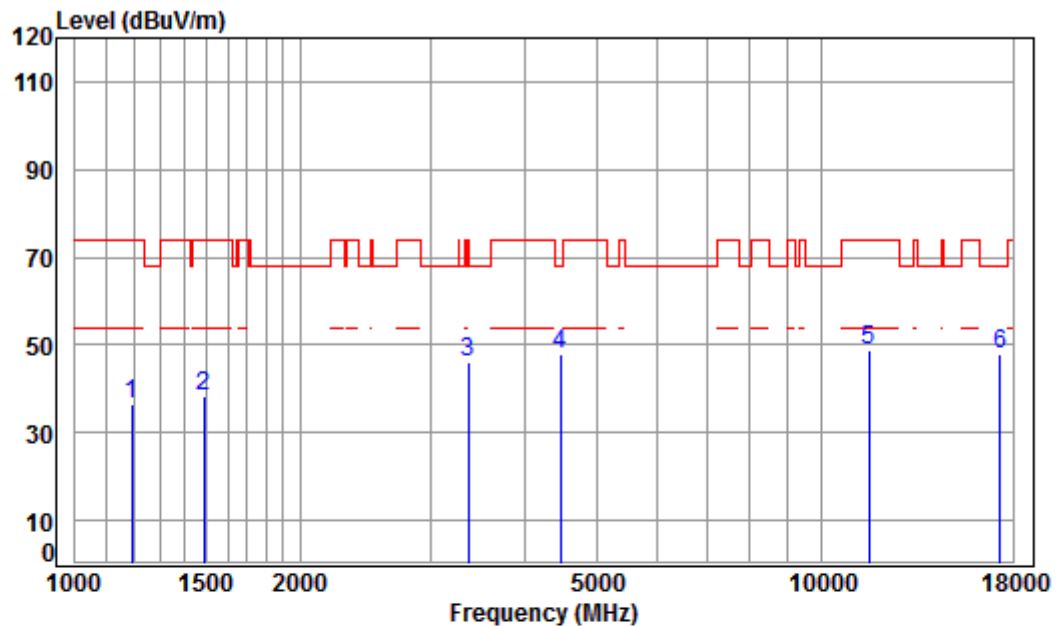
Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	44.76	36.39	68.20	-31.81	peak
2	1653.550	5.28	26.48	38.03	45.36	39.09	68.20	-29.11	peak
3	3415.787	6.38	32.06	37.95	46.41	46.90	68.20	-21.30	peak
4	4367.058	7.41	33.60	38.20	46.93	49.74	74.00	-24.26	peak
5	11590.000	12.17	38.19	36.12	34.94	49.18	74.00	-24.82	peak
6	pp17385.000	15.85	43.26	36.10	24.17	47.18	68.20	-21.02	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

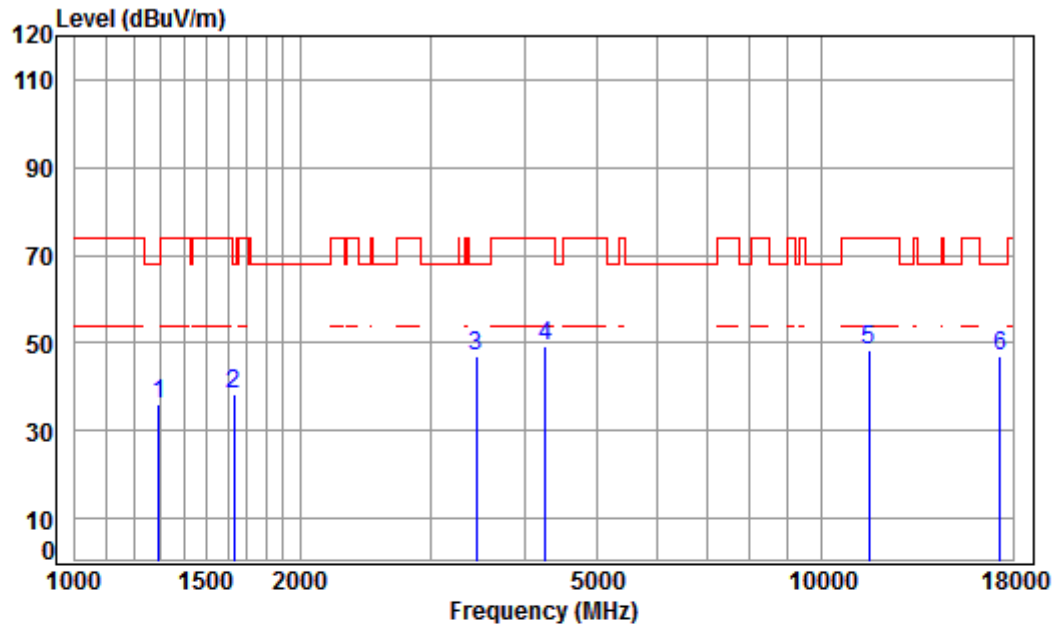
Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.67	36.43	74.00	-37.57	peak
2	1485.841	5.43	25.74	38.04	45.37	38.50	74.00	-35.50	peak
3	3357.061	6.33	31.96	37.94	45.56	45.91	74.00	-28.09	peak
4	4469.214	7.53	33.60	38.25	44.99	47.87	68.20	-20.33	peak
5	11550.000	12.16	38.15	36.07	34.69	48.93	74.00	-25.07	peak
6	pp17325.000	15.98	43.19	36.13	24.85	47.89	68.20	-20.31	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5775 TX RSE

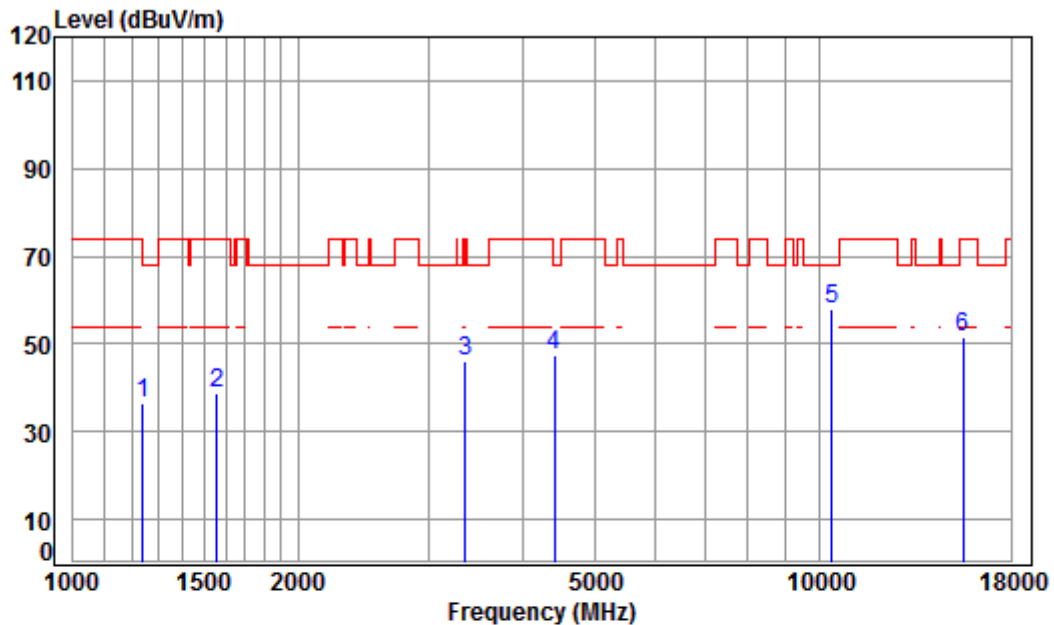
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	44.38	36.01	68.20	-32.19	peak
2	1629.825	5.31	26.38	38.03	44.50	38.16	68.20	-30.04	peak
3 pp	3445.535	6.41	32.11	37.95	46.64	47.21	68.20	-20.99	peak
4	4267.237	7.30	33.60	38.14	46.64	49.40	74.00	-24.60	peak
5	11550.000	12.16	38.15	36.07	33.94	48.18	74.00	-25.82	peak
6	17325.000	15.98	43.19	36.13	24.08	47.12	68.20	-21.08	peak



ANT3:

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	4.58	24.68	38.07	45.20	36.39	68.20	-31.81	peak
2	1560.673	5.40	26.08	38.04	45.50	38.94	74.00	-35.06	peak
3	3347.371	6.32	31.94	37.94	45.64	45.96	74.00	-28.04	peak
4	4405.090	7.46	33.60	38.22	44.56	47.40	68.20	-20.80	peak
5	pp10360.000	11.19	37.24	35.09	44.79	58.13	68.20	-10.07	peak
6	15540.000	14.30	41.38	38.30	34.10	51.48	74.00	-22.52	peak

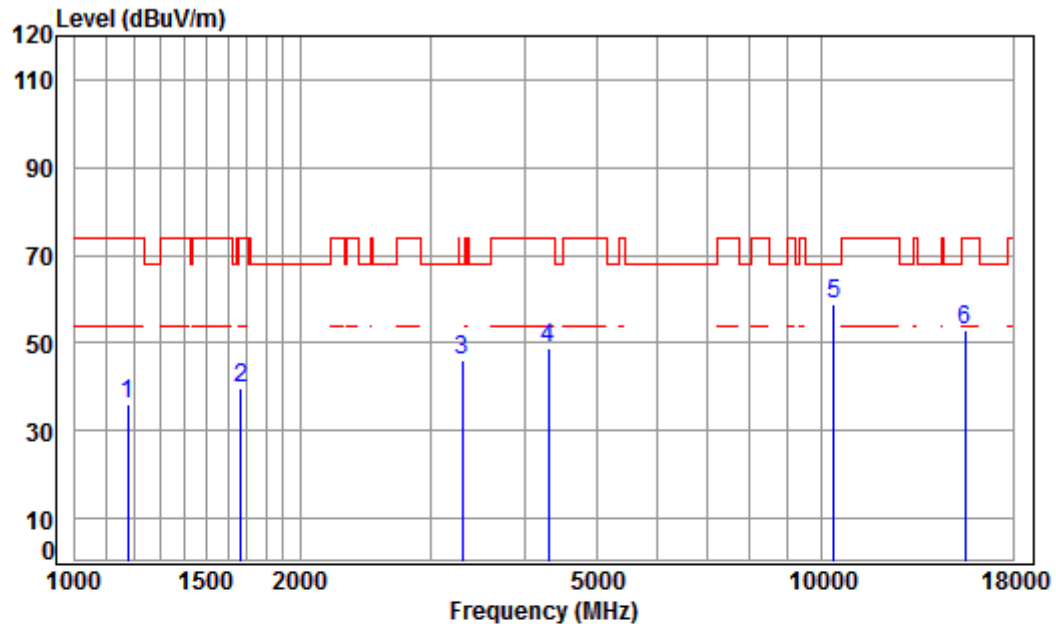


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 144 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

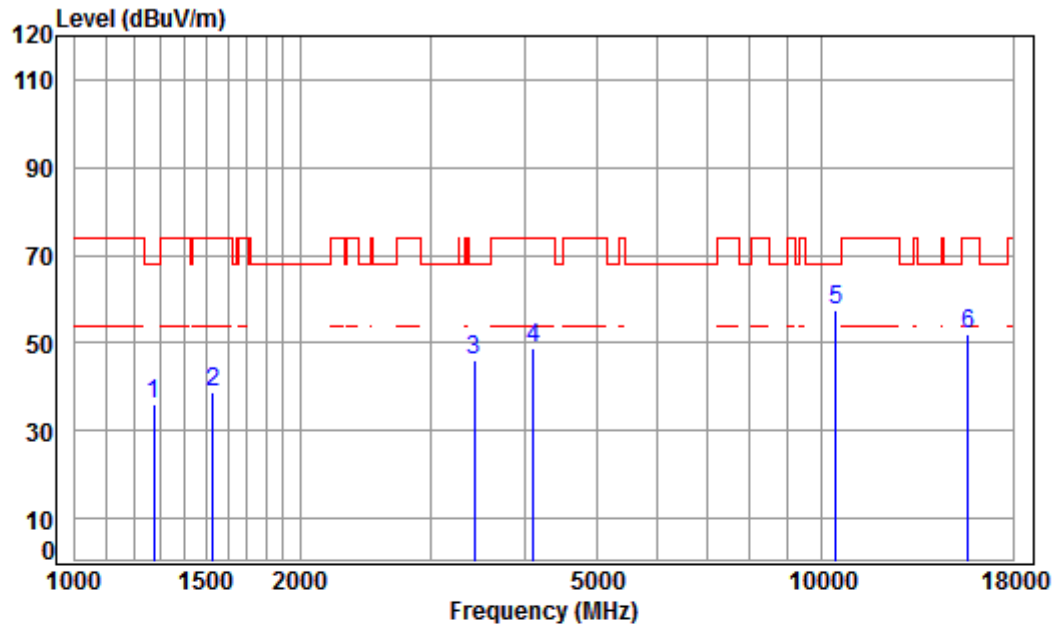
Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1175.697	4.32	24.36	38.08	45.53	36.13	74.00	-37.87	peak
2	1667.951	5.27	26.54	38.03	45.92	39.70	74.00	-34.30	peak
3	3299.344	6.28	31.86	37.93	45.81	46.02	68.20	-22.18	peak
4	4304.400	7.34	33.60	38.16	46.17	48.95	74.00	-25.05	peak
5	pp10360.000	11.19	37.24	35.09	45.35	58.69	68.20	-9.51	peak
6	15540.000	14.30	41.38	38.30	35.56	52.94	74.00	-21.06	peak



Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.59	36.08	68.20	-32.12	peak
2	1529.414	5.44	25.94	38.04	45.38	38.72	74.00	-35.28	peak
3	3425.675	6.39	32.07	37.95	45.76	46.27	68.20	-21.93	peak
4	4109.872	7.11	33.60	38.06	46.40	49.05	74.00	-24.95	peak
5	pp10440.000	11.25	37.16	35.13	44.37	57.65	68.20	-10.55	peak
6	15660.000	14.48	41.34	38.17	34.58	52.23	74.00	-21.77	peak

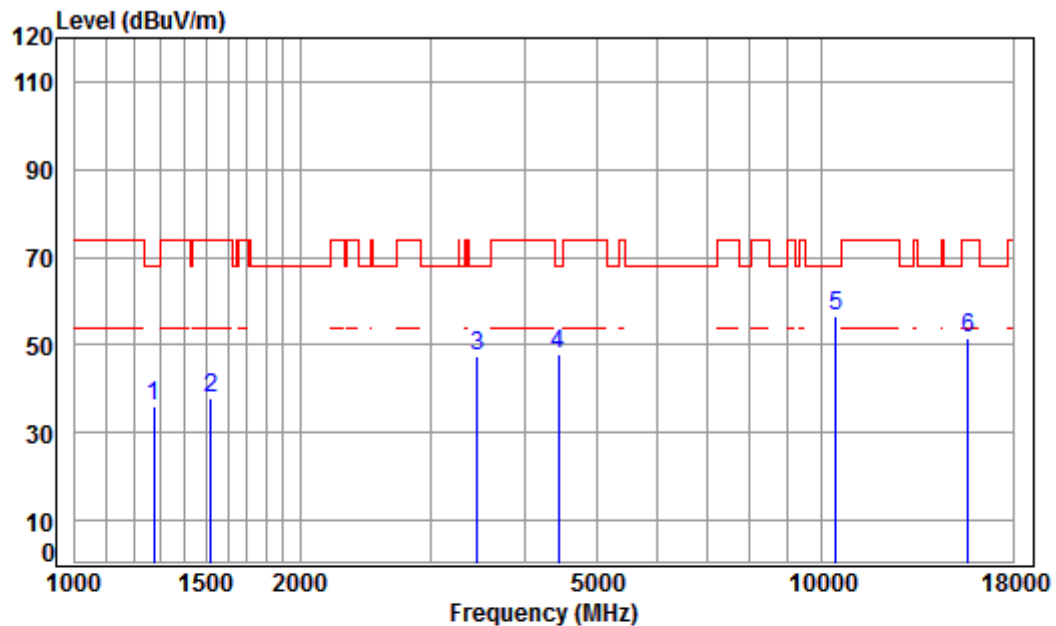


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 146 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.39	35.88	68.20	-32.32	peak
2	1520.598	5.45	25.89	38.04	44.78	38.08	74.00	-35.92	peak
3	3455.508	6.42	32.13	37.95	46.72	47.32	68.20	-20.88	peak
4	4443.453	7.50	33.60	38.24	44.84	47.70	68.20	-20.50	peak
5	pp10440.000	11.25	37.16	35.13	43.39	56.67	68.20	-11.53	peak
6	15660.000	14.48	41.34	38.17	33.87	51.52	74.00	-22.48	peak

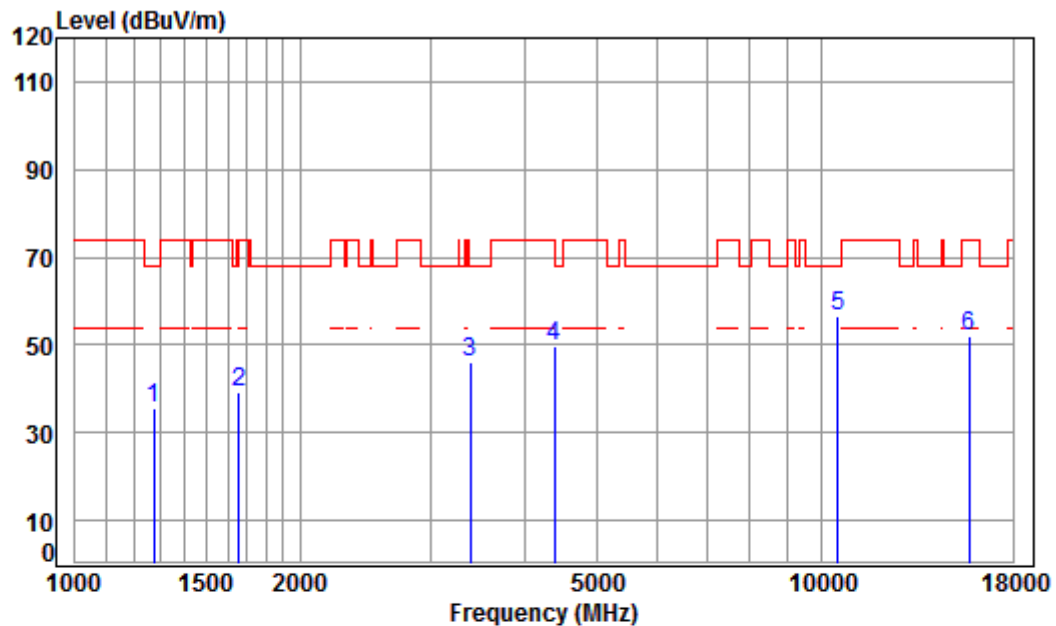


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 147 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.08	35.57	68.20	-32.63	peak
2	1658.337	5.28	26.50	38.03	45.32	39.07	68.20	-29.13	peak
3	3386.297	6.36	32.01	37.94	45.44	45.87	68.20	-22.33	peak
4	4379.699	7.43	33.60	38.20	46.94	49.77	74.00	-24.23	peak
5	pp10480.000	11.28	37.12	35.15	43.55	56.80	68.20	-11.40	peak
6	15720.000	14.57	41.31	38.10	34.20	51.98	74.00	-22.02	peak

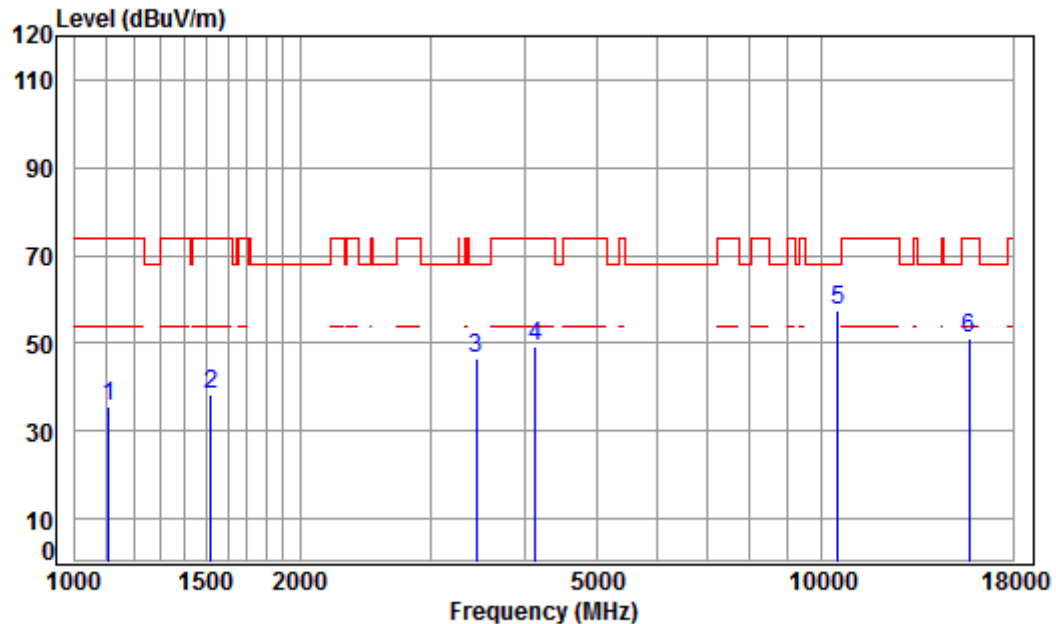


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 148 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	4.05	24.02	38.08	45.47	35.46	74.00	-38.54	peak
2	1520.598	5.45	25.89	38.04	44.85	38.15	74.00	-35.85	peak
3	3445.535	6.41	32.11	37.95	45.84	46.41	68.20	-21.79	peak
4	4133.699	7.14	33.60	38.07	46.53	49.20	74.00	-24.80	peak
5	pp10480.000	11.28	37.12	35.15	44.22	57.47	68.20	-10.73	peak
6	15720.000	14.57	41.31	38.10	33.44	51.22	74.00	-22.78	peak

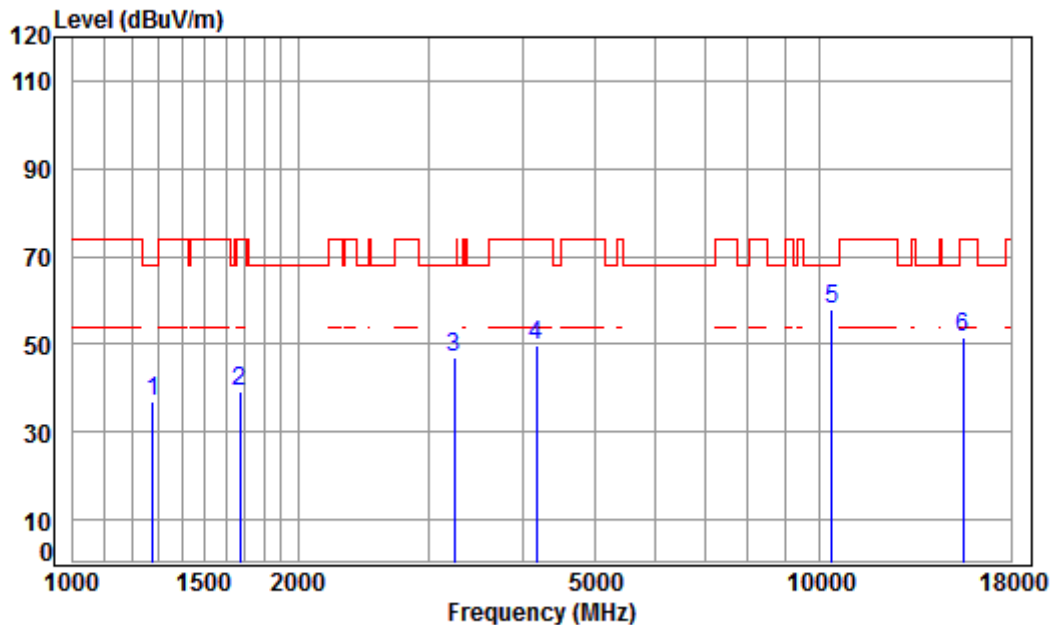


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 149 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	45.63	37.14	68.20	-31.06	peak
2	1672.779	5.26	26.56	38.03	45.57	39.36	74.00	-34.64	peak
3	3242.619	6.22	31.75	37.93	46.94	46.98	68.20	-21.22	peak
4	4169.698	7.18	33.60	38.09	46.90	49.59	74.00	-24.41	peak
5	pp10360.000	11.19	37.24	35.09	44.41	57.75	68.20	-10.45	peak
6	15540.000	14.30	41.38	38.30	34.26	51.64	74.00	-22.36	peak

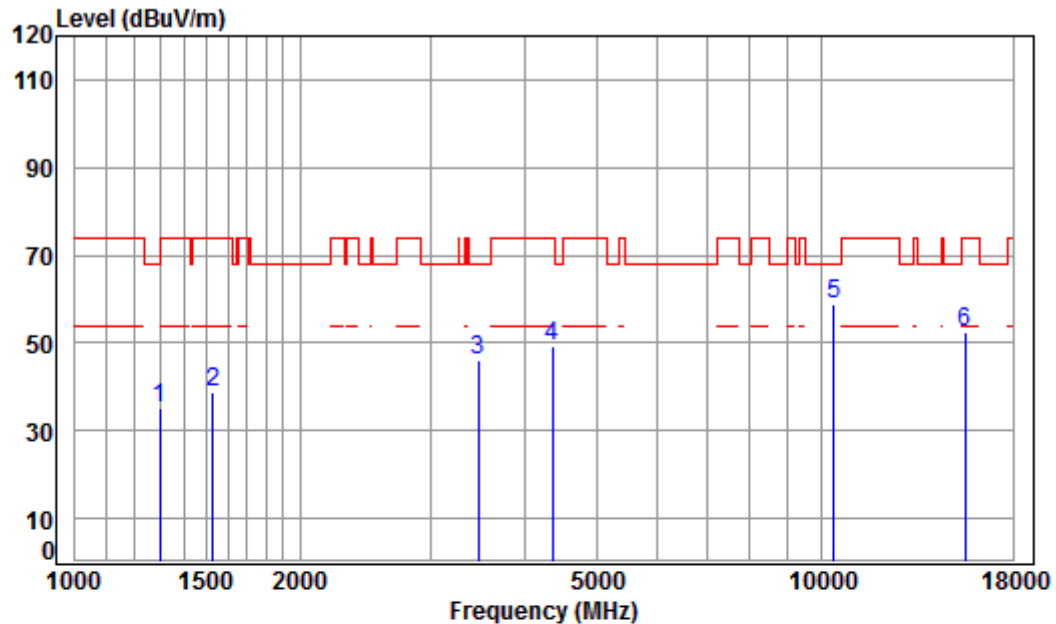


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 150 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.62	35.32	74.00	-38.68	peak
2	1529.414	5.44	25.94	38.04	45.49	38.83	74.00	-35.17	peak
3	3465.510	6.43	32.14	37.95	45.67	46.29	68.20	-21.91	peak
4	4354.454	7.40	33.60	38.19	46.61	49.42	74.00	-24.58	peak
5	pp10360.000	11.19	37.24	35.09	45.64	58.98	68.20	-9.22	peak
6	15540.000	14.30	41.38	38.30	35.04	52.42	74.00	-21.58	peak

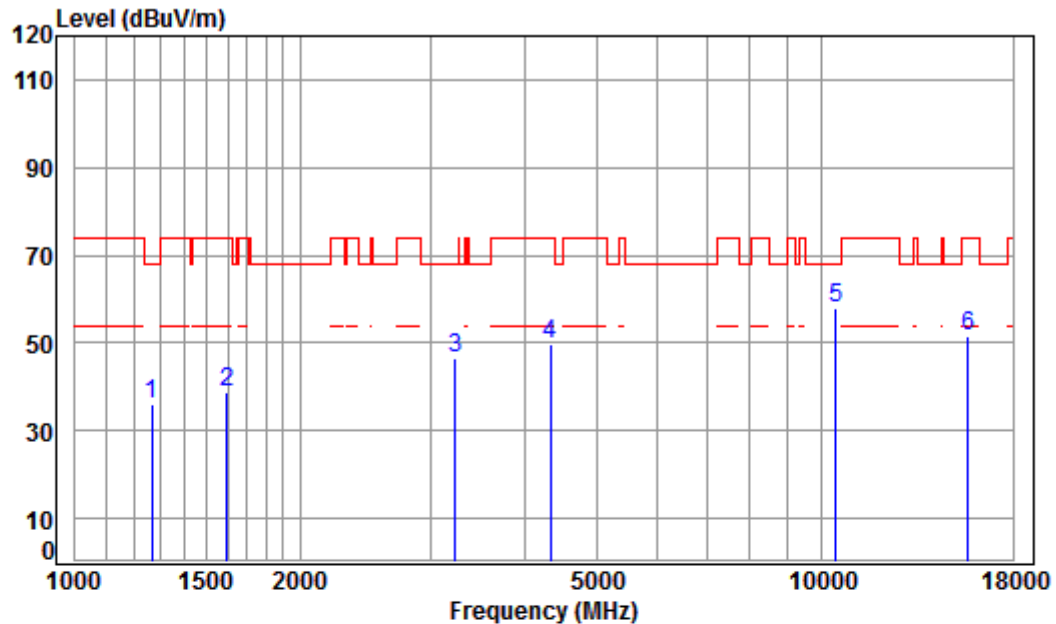


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 151 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

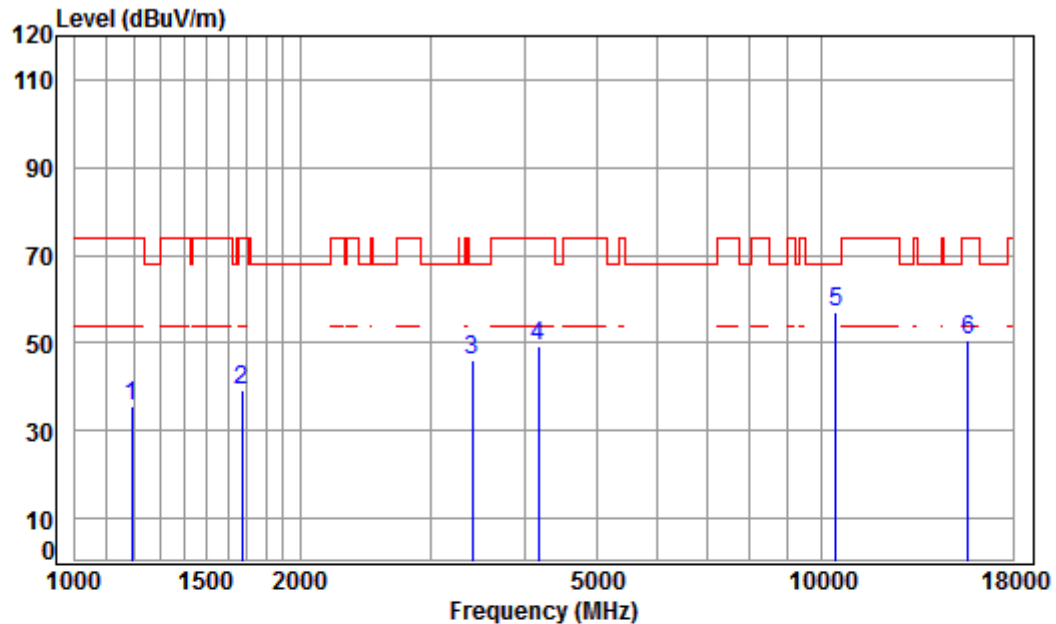
Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.75	36.16	68.20	-32.04	peak
2	1597.181	5.35	26.24	38.03	45.35	38.91	74.00	-35.09	peak
3	3233.260	6.21	31.74	37.93	46.45	46.47	68.20	-21.73	peak
4	4329.354	7.37	33.60	38.18	46.86	49.65	74.00	-24.35	peak
5	pp10440.000	11.25	37.16	35.13	44.81	58.09	68.20	-10.11	peak
6	15660.000	14.48	41.34	38.17	33.76	51.41	74.00	-22.59	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	44.90	35.66	74.00	-38.34	peak
2	1672.779	5.26	26.56	38.03	45.37	39.16	74.00	-34.84	peak
3	3405.929	6.38	32.04	37.94	45.68	46.16	68.20	-22.04	peak
4	4169.698	7.18	33.60	38.09	46.67	49.36	74.00	-24.64	peak
5	pp10440.000	11.25	37.16	35.13	43.54	56.82	68.20	-11.38	peak
6	15660.000	14.48	41.34	38.17	32.88	50.53	74.00	-23.47	peak

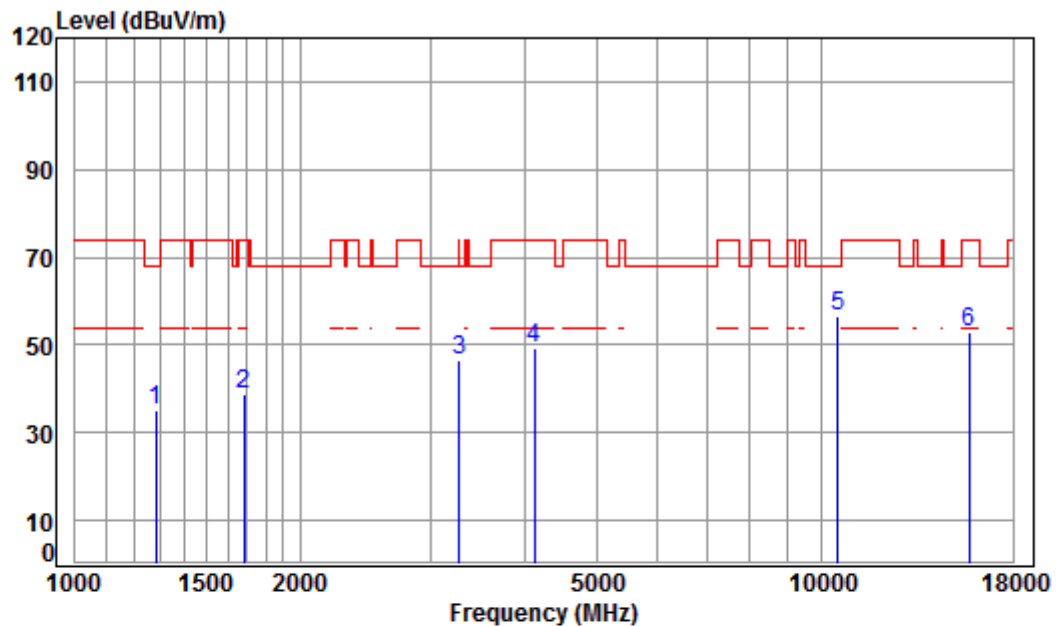


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 153 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	43.47	35.01	68.20	-33.19	peak
2	1682.477	5.25	26.60	38.02	44.80	38.63	74.00	-35.37	peak
3	3270.858	6.25	31.80	37.93	46.40	46.52	68.20	-21.68	peak
4	4121.768	7.13	33.60	38.07	46.83	49.49	74.00	-24.51	peak
5	pp10480.000	11.28	37.12	35.15	43.12	56.37	68.20	-11.83	peak
6	15720.000	14.57	41.31	38.10	35.00	52.78	74.00	-21.22	peak

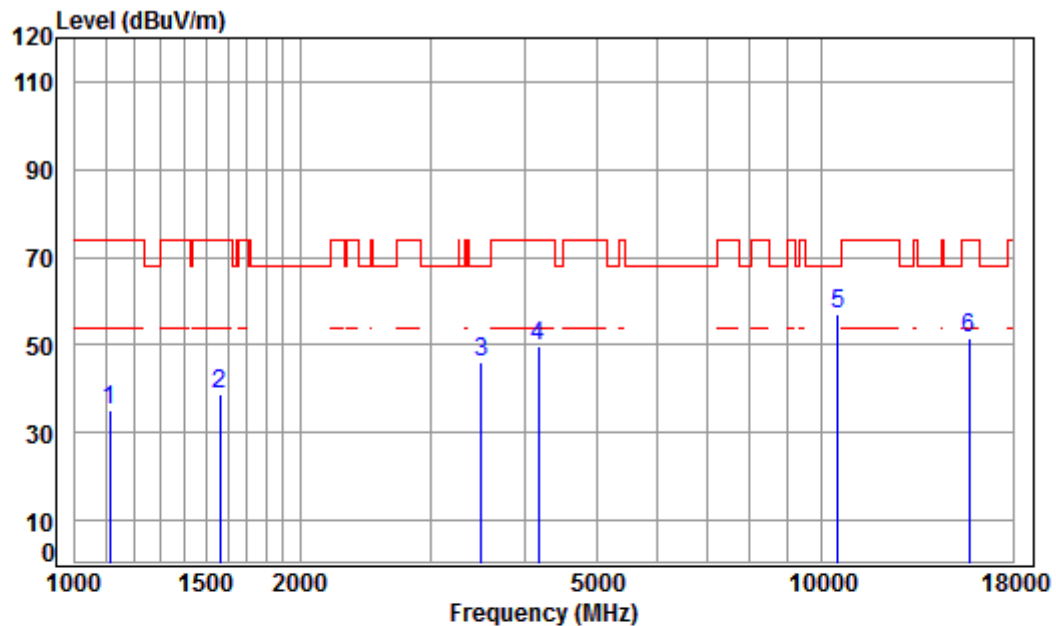


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 154 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	45.20	35.21	74.00	-38.79	peak
2	1565.191	5.39	26.10	38.04	45.34	38.79	74.00	-35.21	peak
3	3495.691	6.46	32.19	37.95	45.35	46.05	68.20	-22.15	peak
4	4169.698	7.18	33.60	38.09	46.93	49.62	74.00	-24.38	peak
5	pp10480.000	11.28	37.12	35.15	43.61	56.86	68.20	-11.34	peak
6	15720.000	14.57	41.31	38.10	33.67	51.45	74.00	-22.55	peak

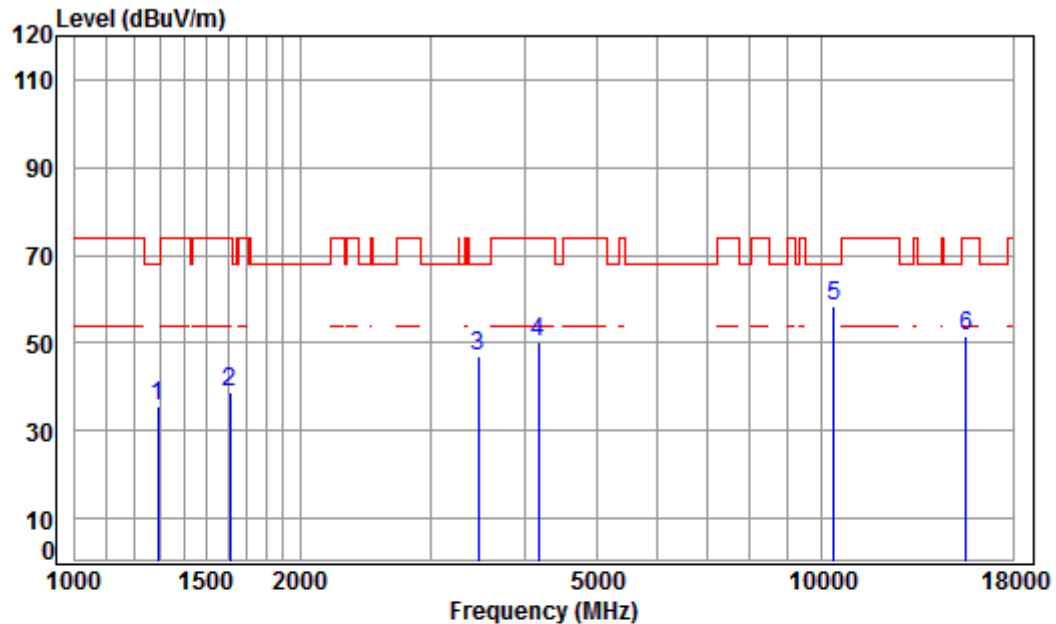


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 155 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

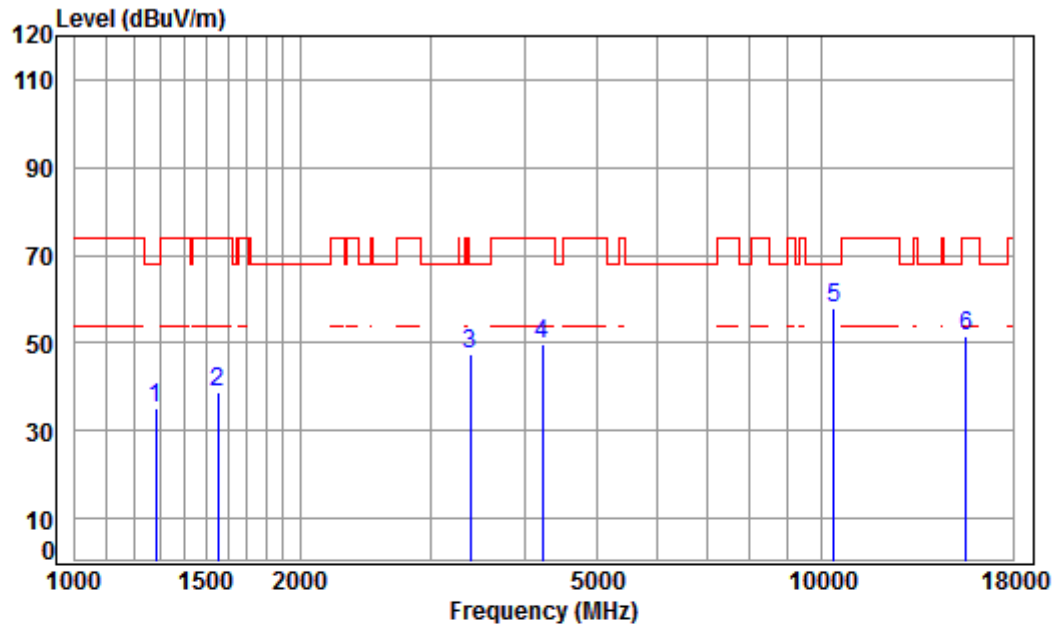
Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	43.90	35.51	68.20	-32.69	peak
2	1611.091	5.34	26.30	38.03	45.08	38.69	74.00	-35.31	peak
3	3465.510	6.43	32.14	37.95	46.29	46.91	68.20	-21.29	peak
4	4169.698	7.18	33.60	38.09	47.41	50.10	74.00	-23.90	peak
5	pp10380.000	11.21	37.22	35.10	45.06	58.39	68.20	-9.81	peak
6	15570.000	14.35	41.37	38.26	33.90	51.36	74.00	-22.64	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	43.73	35.27	68.20	-32.93	peak
2	1551.677	5.41	26.04	38.04	45.60	39.01	74.00	-34.99	peak
3	3386.297	6.36	32.01	37.94	47.18	47.61	68.20	-20.59	peak
4	4218.186	7.24	33.60	38.12	46.88	49.60	74.00	-24.40	peak
5	pp10380.000	11.21	37.22	35.10	44.47	57.80	68.20	-10.40	peak
6	15570.000	14.35	41.37	38.26	33.92	51.38	74.00	-22.62	peak

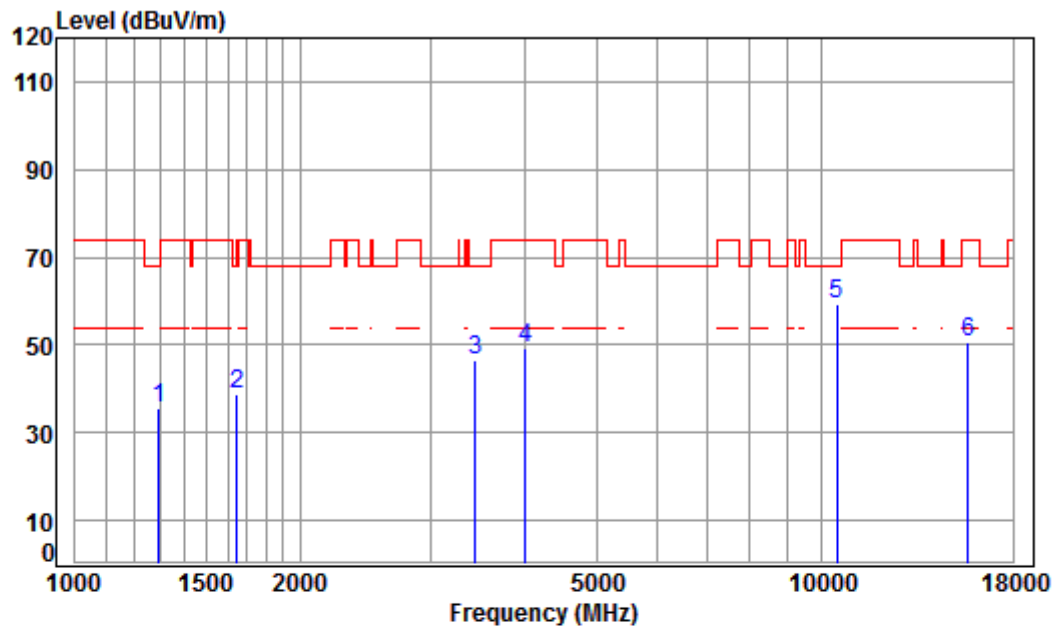


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 157 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

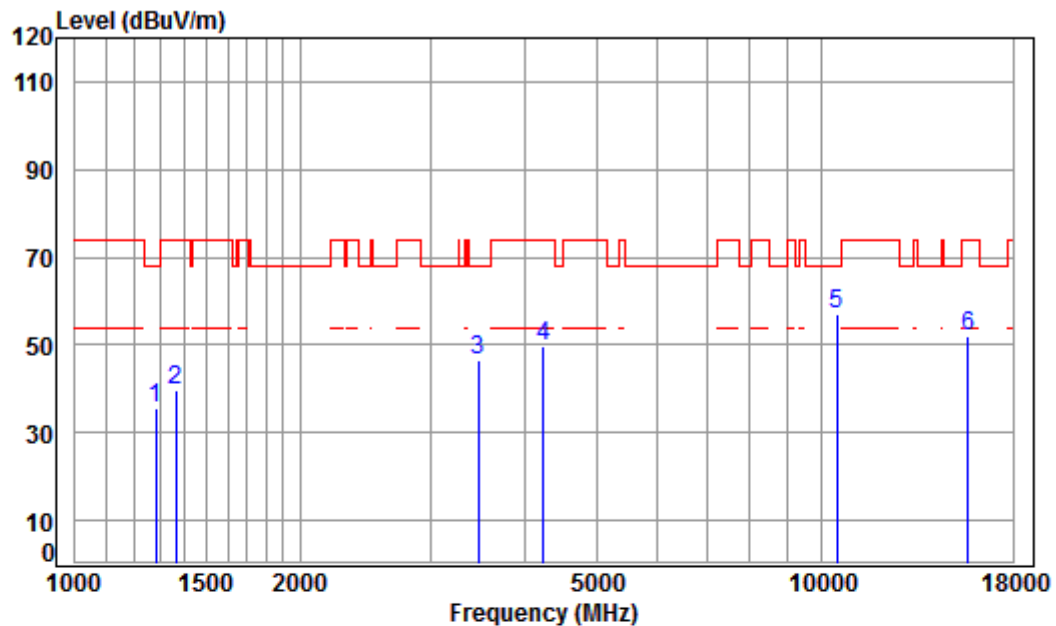
Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	43.80	35.43	68.20	-32.77	peak
2	1648.778	5.29	26.46	38.03	45.05	38.77	68.20	-29.43	peak
3	3435.590	6.40	32.09	37.95	46.07	46.61	68.20	-21.59	peak
4	4004.339	6.99	33.60	38.00	46.80	49.39	74.00	-24.61	peak
5	pp10460.000	11.26	37.14	35.14	46.05	59.31	68.20	-8.89	peak
6	15690.000	14.53	41.32	38.13	32.89	50.61	74.00	-23.39	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

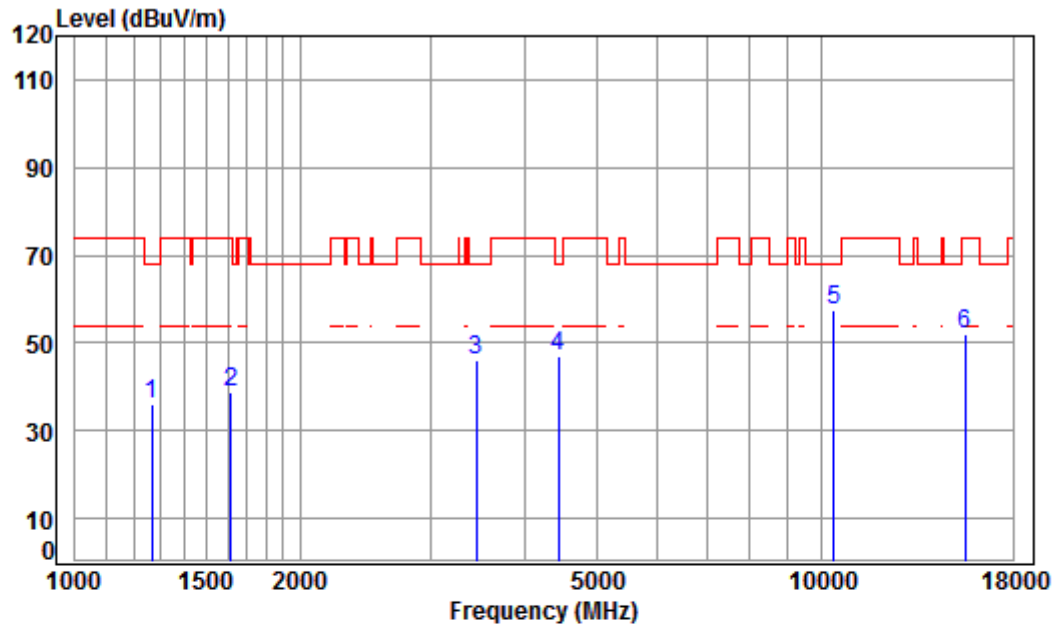
Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.25	35.79	68.20	-32.41	peak
2	1366.374	5.04	25.25	38.05	47.49	39.73	74.00	-34.27	peak
3	3465.510	6.43	32.14	37.95	46.00	46.62	68.20	-21.58	peak
4	4230.396	7.26	33.60	38.13	46.91	49.64	74.00	-24.36	peak
5	pp10460.000	11.26	37.14	35.14	43.87	57.13	68.20	-11.07	peak
6	15690.000	14.53	41.32	38.13	34.26	51.98	74.00	-22.02	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	44.71	36.12	68.20	-32.08	peak
2	1615.754	5.33	26.32	38.03	45.16	38.78	74.00	-35.22	peak
3	3445.535	6.41	32.11	37.95	45.33	45.90	68.20	-22.30	peak
4	4430.628	7.48	33.60	38.23	44.27	47.12	68.20	-21.08	peak
5	pp10360.000	11.19	37.24	35.09	44.37	57.71	68.20	-10.49	peak
6	15540.000	14.30	41.38	38.30	34.41	51.79	74.00	-22.21	peak

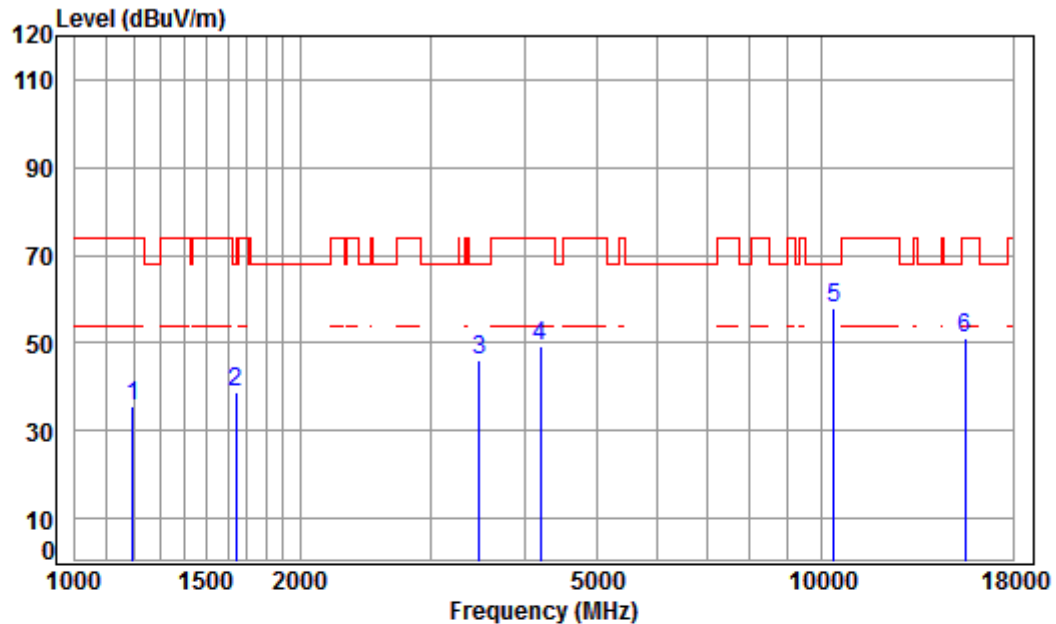


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 160 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	38.07	44.82	35.61	74.00	-38.39	peak
2	1644.019	5.30	26.44	38.03	45.30	39.01	68.20	-29.19	peak
3	3475.541	6.44	32.16	37.95	45.65	46.30	68.20	-21.90	peak
4	4193.872	7.21	33.60	38.11	46.55	49.25	74.00	-24.75	peak
5	pp10360.000	11.19	37.24	35.09	44.46	57.80	68.20	-10.40	peak
6	15540.000	14.30	41.38	38.30	33.83	51.21	74.00	-22.79	peak

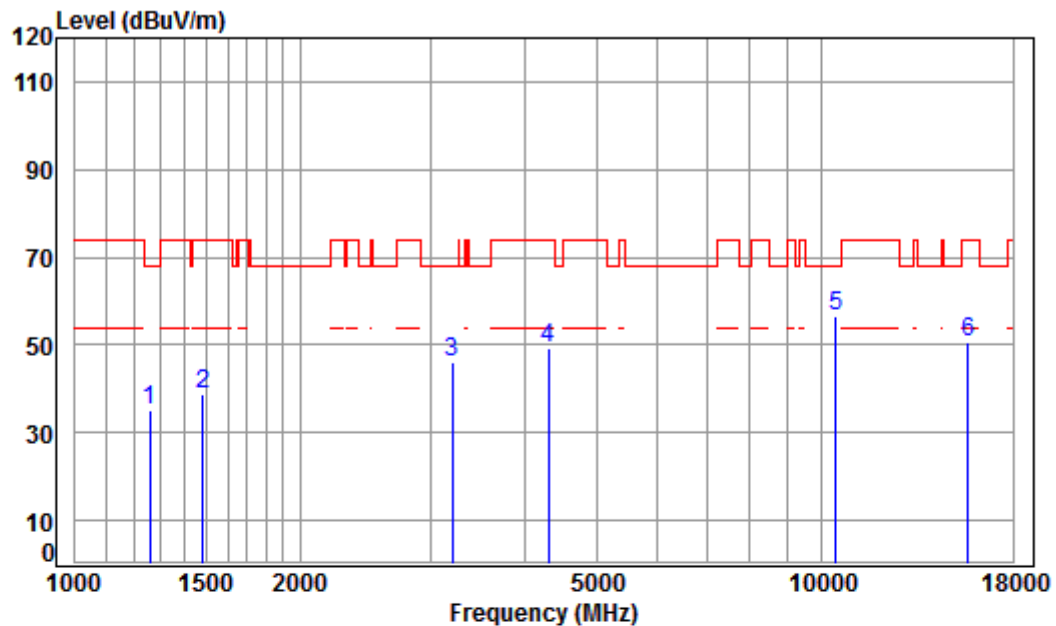


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 161 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

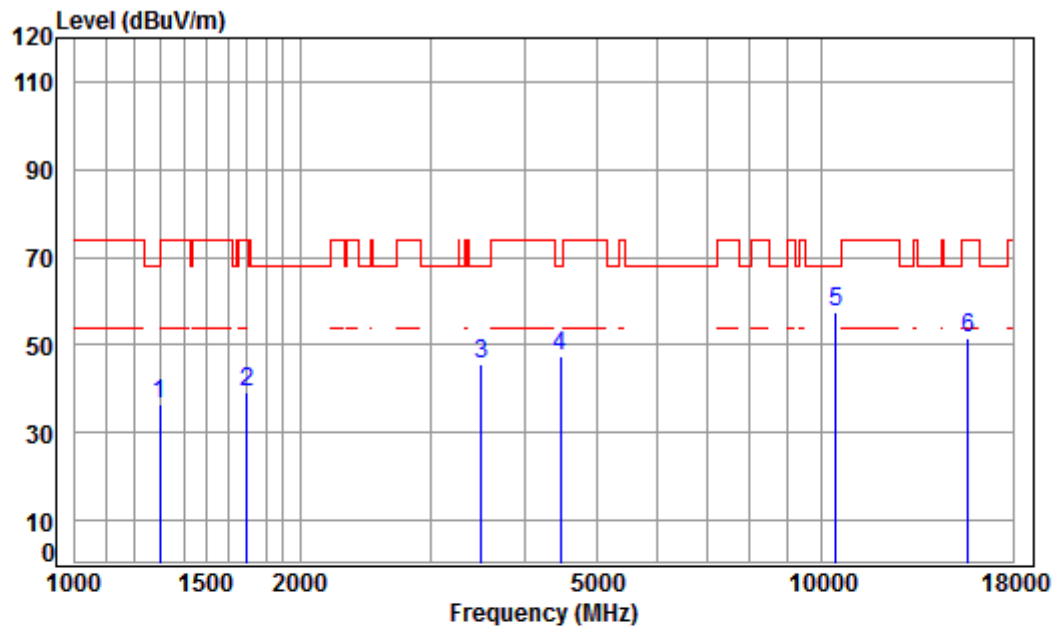
Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.65	24.77	38.07	43.85	35.20	68.20	-33.00	peak
2	1481.553	5.42	25.73	38.04	45.49	38.60	74.00	-35.40	peak
3	3196.094	6.18	31.67	37.92	46.09	46.02	68.20	-22.18	peak
4	4304.400	7.34	33.60	38.16	46.59	49.37	74.00	-24.63	peak
5	pp10440.000	11.25	37.16	35.13	43.45	56.73	68.20	-11.47	peak
6	15660.000	14.48	41.34	38.17	33.21	50.86	74.00	-23.14	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	44.93	36.60	68.20	-31.60	peak
2	1697.129	5.23	26.66	38.02	45.18	39.05	74.00	-34.95	peak
3	3495.691	6.46	32.19	37.95	44.97	45.67	68.20	-22.53	peak
4	4469.214	7.53	33.60	38.25	44.46	47.34	68.20	-20.86	peak
5	pp10440.000	11.25	37.16	35.13	44.08	57.36	68.20	-10.84	peak
6	15660.000	14.48	41.34	38.17	33.72	51.37	74.00	-22.63	peak

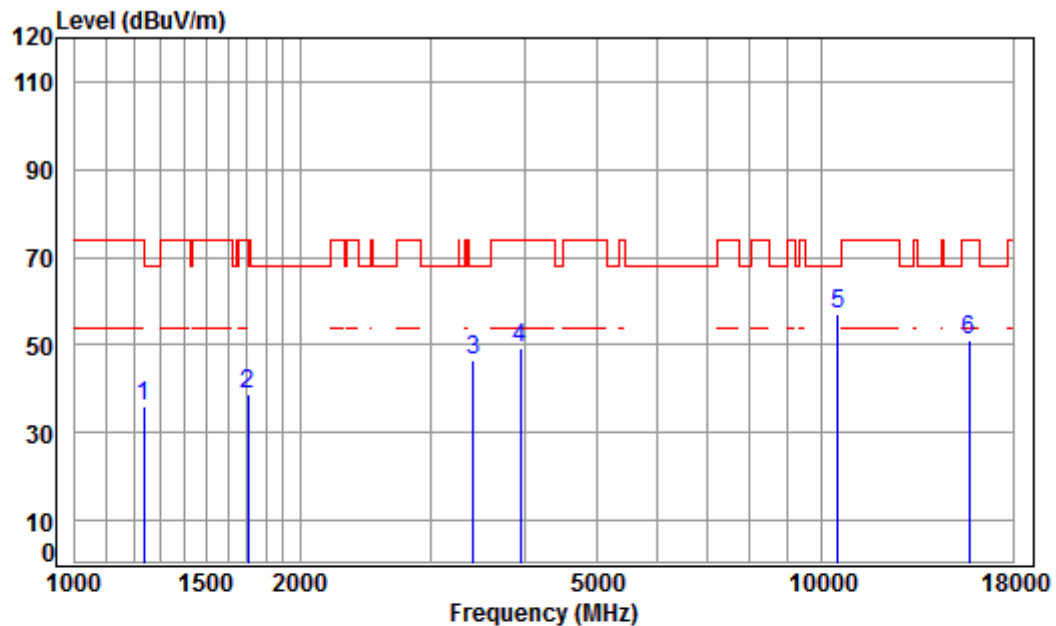


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 163 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	44.73	35.86	74.00	-38.14	peak
2	1702.042	5.23	26.68	38.02	44.93	38.82	74.00	-35.18	peak
3	3415.787	6.38	32.06	37.95	45.82	46.31	68.20	-21.89	peak
4	3946.885	6.93	33.46	38.00	46.79	49.18	74.00	-24.82	peak
5	pp10480.000	11.28	37.12	35.15	43.75	57.00	68.20	-11.20	peak
6	15720.000	14.57	41.31	38.10	33.18	50.96	74.00	-23.04	peak

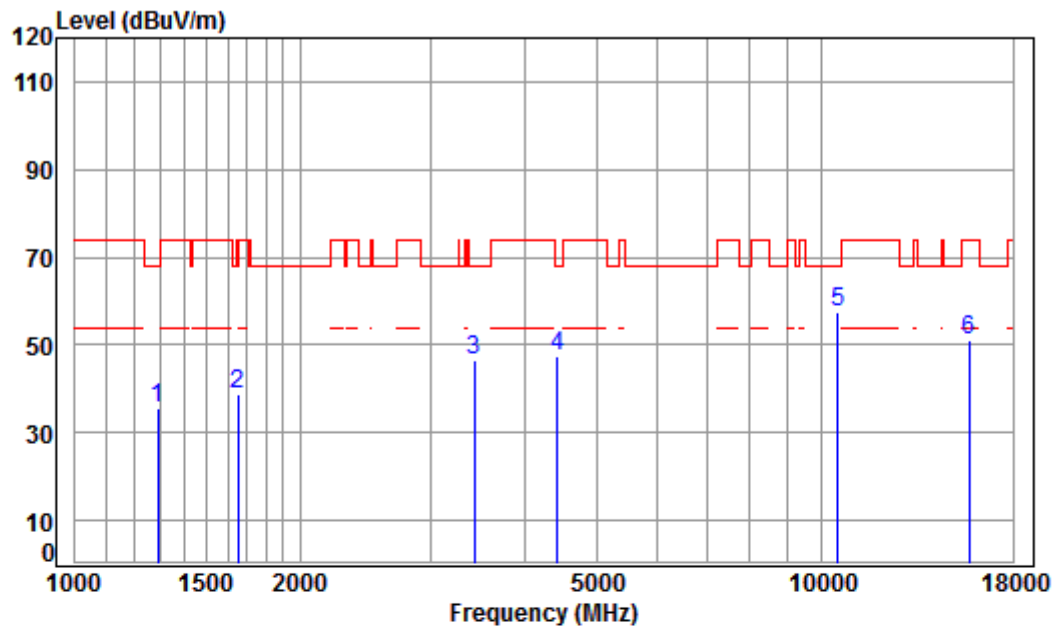


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 164 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

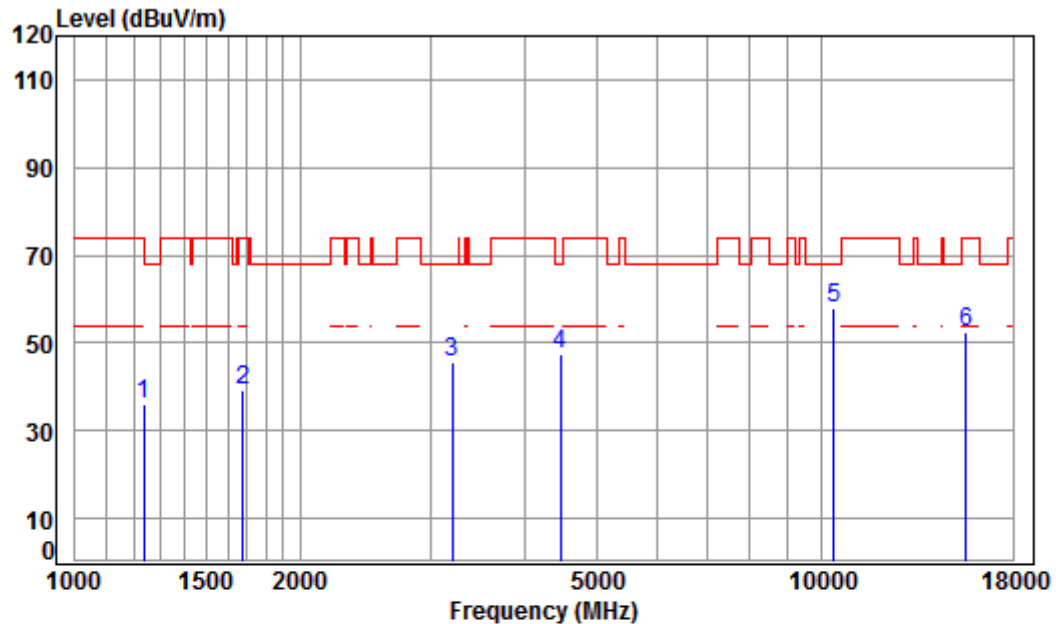
Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	43.99	35.60	68.20	-32.60	peak
2	1653.550	5.28	26.48	38.03	44.90	38.63	68.20	-29.57	peak
3	3425.675	6.39	32.07	37.95	45.87	46.38	68.20	-21.82	peak
4	4417.841	7.47	33.60	38.22	44.77	47.62	68.20	-20.58	peak
5	pp10480.000	11.28	37.12	35.15	44.34	57.59	68.20	-10.61	peak
6	15720.000	14.57	41.31	38.10	33.32	51.10	74.00	-22.90	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

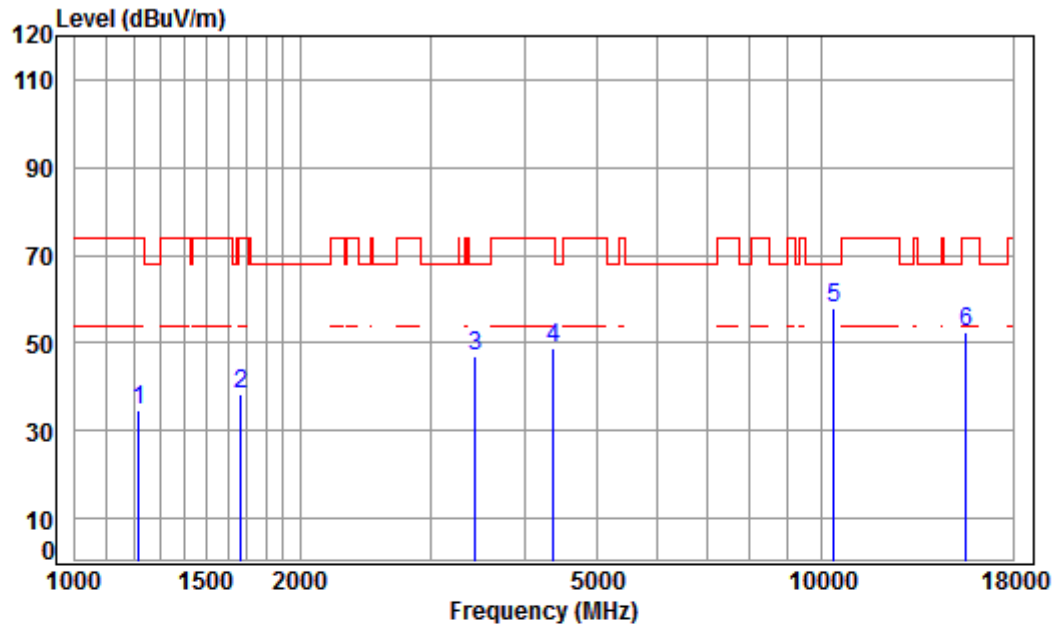
Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	45.11	36.24	74.00	-37.76	peak
2	1677.621	5.25	26.58	38.03	45.39	39.19	74.00	-34.81	peak
3	3196.094	6.18	31.67	37.92	45.91	45.84	68.20	-22.36	peak
4	4469.214	7.53	33.60	38.25	44.43	47.31	68.20	-20.89	peak
5	pp10380.000	11.21	37.22	35.10	44.46	57.79	68.20	-10.41	peak
6	15570.000	14.35	41.37	38.26	34.80	52.26	74.00	-21.74	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1217.190	4.49	24.56	38.07	43.76	34.74	74.00	-39.26	peak
2	1667.951	5.27	26.54	38.03	44.36	38.14	74.00	-35.86	peak
3	3435.590	6.40	32.09	37.95	46.58	47.12	68.20	-21.08	peak
4	4367.058	7.41	33.60	38.20	45.99	48.80	74.00	-25.20	peak
5	pp10380.000	11.21	37.22	35.10	44.59	57.92	68.20	-10.28	peak
6	15570.000	14.35	41.37	38.26	34.87	52.33	74.00	-21.67	peak

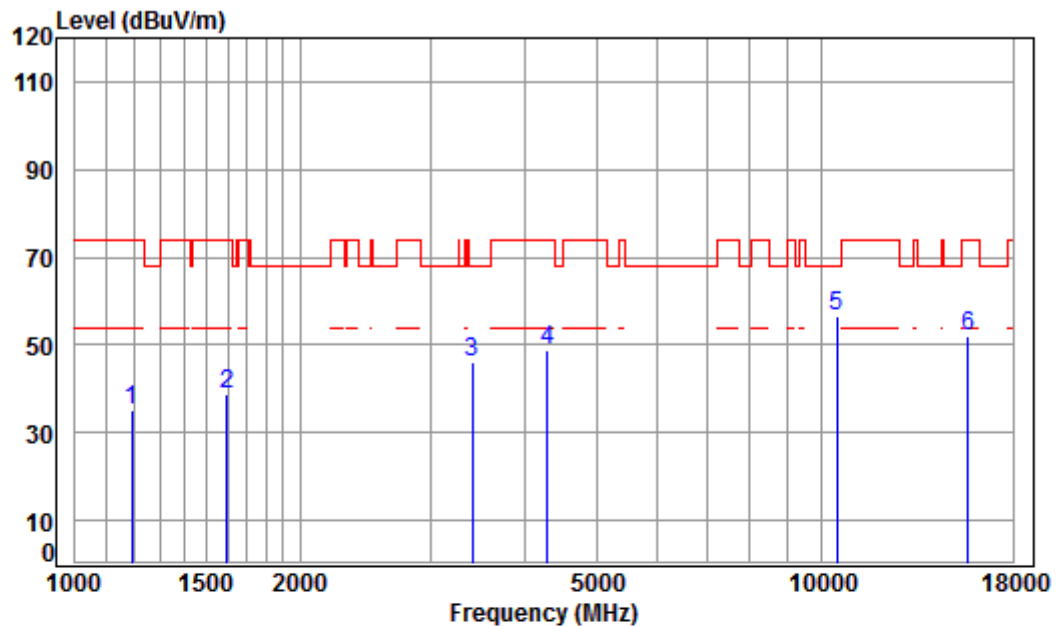


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 167 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	44.45	35.21	74.00	-38.79	peak
2	1597.181	5.35	26.24	38.03	45.08	38.64	74.00	-35.36	peak
3	3405.929	6.38	32.04	37.94	45.54	46.02	68.20	-22.18	peak
4	4291.977	7.33	33.60	38.16	46.21	48.98	74.00	-25.02	peak
5	pp10460.000	11.26	37.14	35.14	43.46	56.72	68.20	-11.48	peak
6	15690.000	14.53	41.32	38.13	34.32	52.04	74.00	-21.96	peak

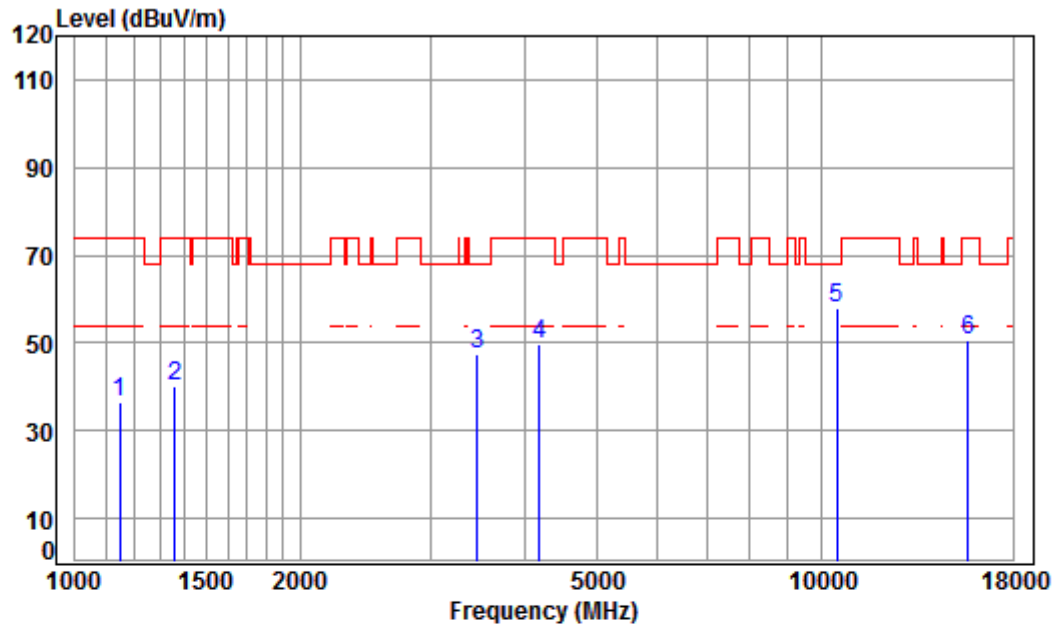


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 168 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.823	4.21	24.22	38.08	46.02	36.37	74.00	-37.63	peak
2	1362.430	5.02	25.23	38.06	47.86	40.05	74.00	-33.95	peak
3	3455.508	6.42	32.13	37.95	46.70	47.30	68.20	-20.90	peak
4	4181.768	7.20	33.60	38.10	47.14	49.84	74.00	-24.16	peak
5	pp10460.000	11.26	37.14	35.14	44.69	57.95	68.20	-10.25	peak
6	15690.000	14.53	41.32	38.13	32.94	50.66	74.00	-23.34	peak

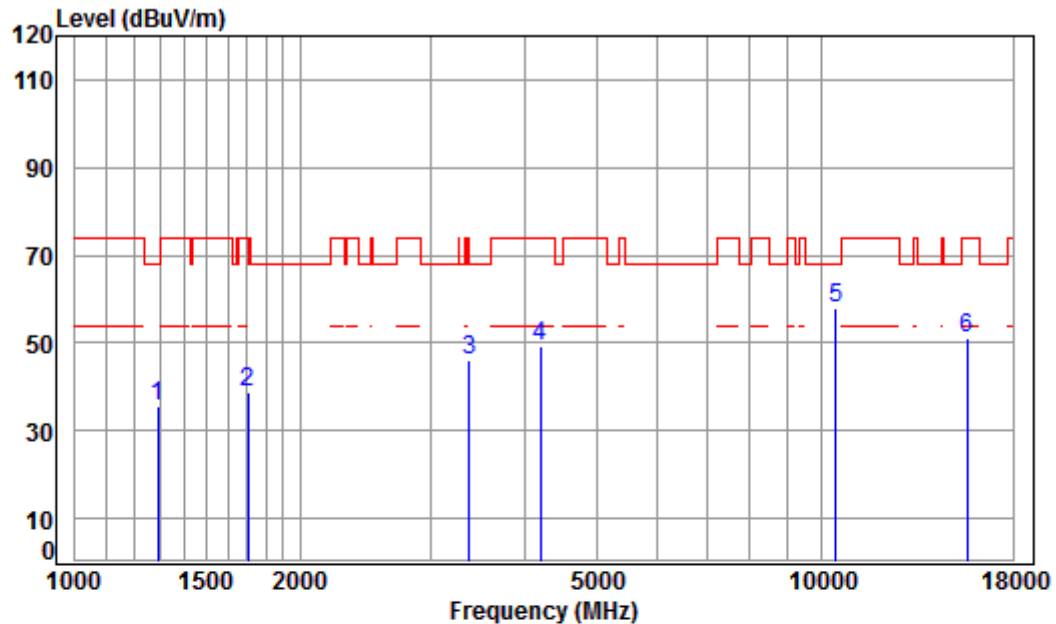


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 169 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

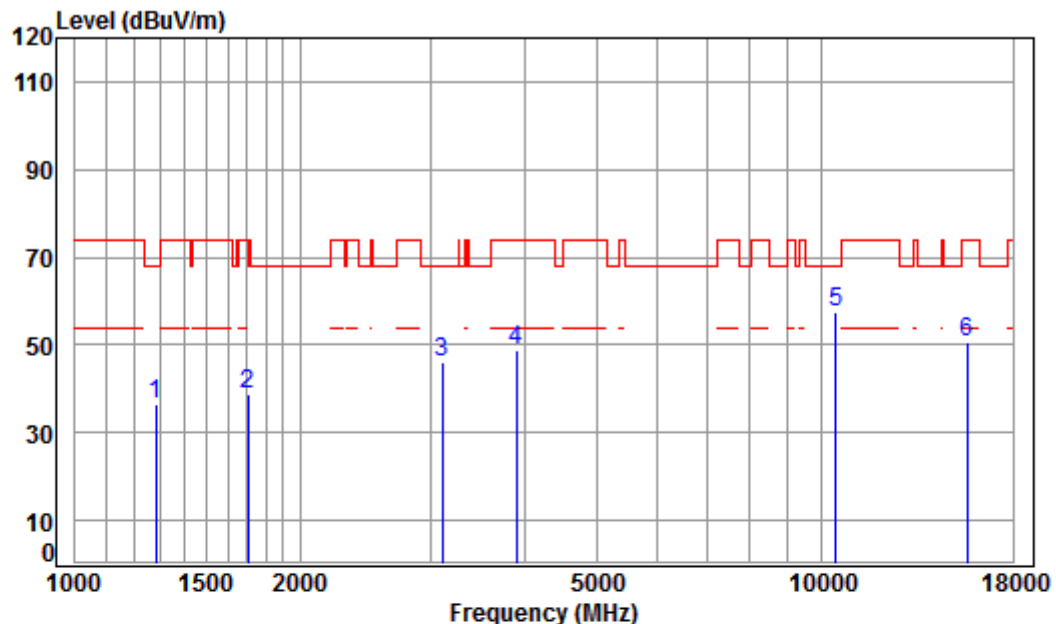
Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.12	35.73	68.20	-32.47	peak
2	1702.042	5.23	26.68	38.02	44.85	38.74	74.00	-35.26	peak
3	3366.778	6.34	31.97	37.94	45.51	45.88	68.20	-22.32	peak
4	4193.872	7.21	33.60	38.11	46.76	49.46	74.00	-24.54	peak
5	pp10420.000	11.24	37.18	35.12	44.72	58.02	68.20	-10.18	peak
6	15630.000	14.44	41.35	38.20	33.62	51.21	74.00	-22.79	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

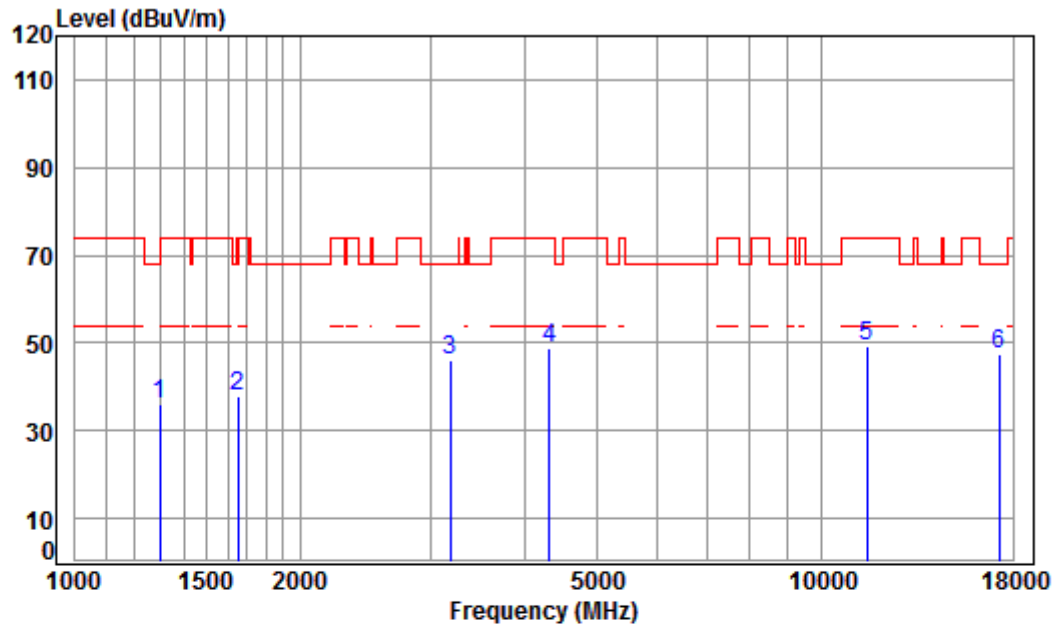
Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.07	36.61	68.20	-31.59	peak
2	1702.042	5.23	26.68	38.02	44.96	38.85	74.00	-35.15	peak
3	3105.037	6.09	31.50	37.91	46.52	46.20	68.20	-22.00	peak
4	3901.516	6.88	33.34	37.99	46.75	48.98	74.00	-25.02	peak
5	pp10420.000	11.24	37.18	35.12	44.36	57.66	68.20	-10.54	peak
6	15630.000	14.44	41.35	38.20	33.16	50.75	74.00	-23.25	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

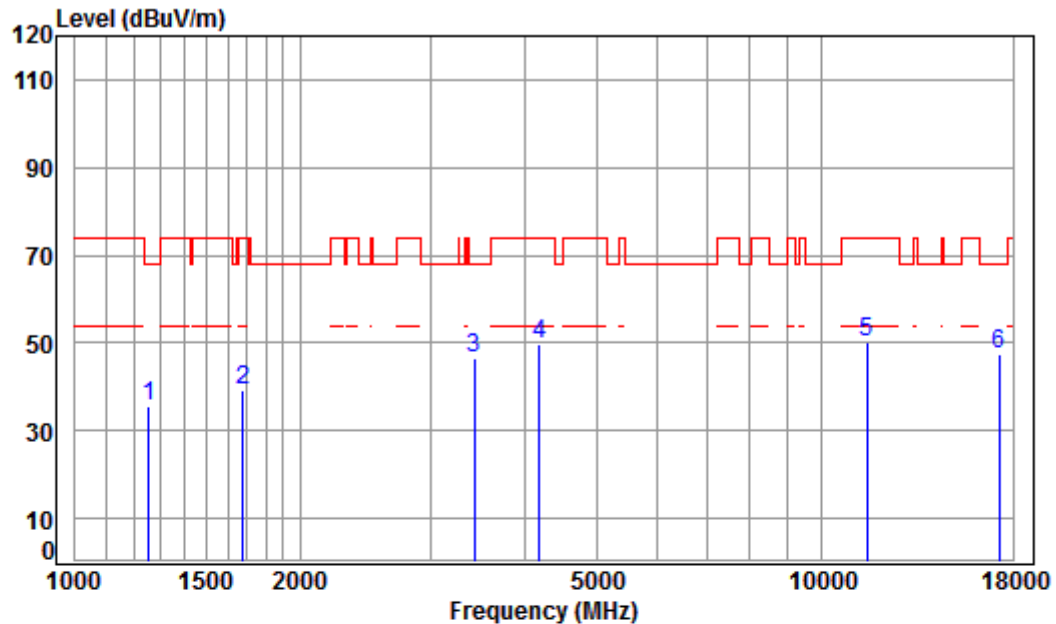
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	47.43	35.93	74.00	-38.07	peak
2	1653.550	5.28	26.48	41.50	47.66	37.92	68.20	-30.28	peak
3	3177.672	6.16	31.64	42.15	50.43	46.08	68.20	-22.12	peak
4	4316.859	7.36	33.60	42.38	50.34	48.92	74.00	-25.08	peak
5	11490.000	12.13	38.09	38.19	37.30	49.33	74.00	-24.67	peak
6	pp17235.000	16.18	43.08	40.48	28.77	47.55	68.20	-20.65	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

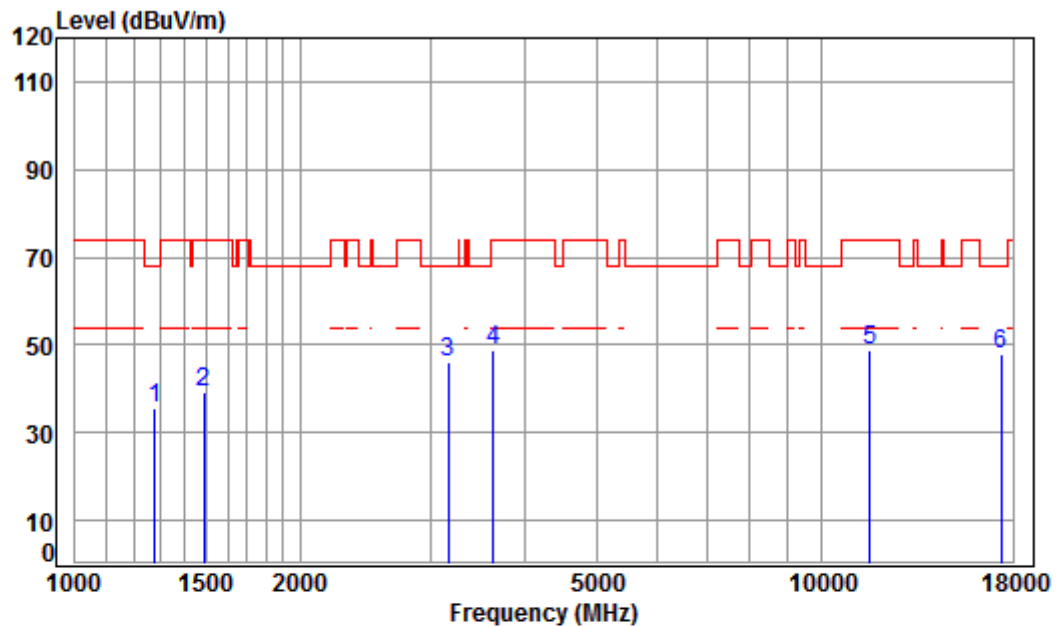
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.75	41.23	47.38	35.54	68.20	-32.66	peak
2	1677.621	5.25	26.58	41.52	49.05	39.36	74.00	-34.64	peak
3	3425.675	6.39	32.07	42.20	50.48	46.74	68.20	-21.46	peak
4	4181.768	7.20	33.60	42.36	51.21	49.65	74.00	-24.35	peak
5	11490.000	12.13	38.09	38.19	38.00	50.03	74.00	-23.97	peak
6	pp17235.000	16.18	43.08	40.48	28.55	47.33	68.20	-20.87	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

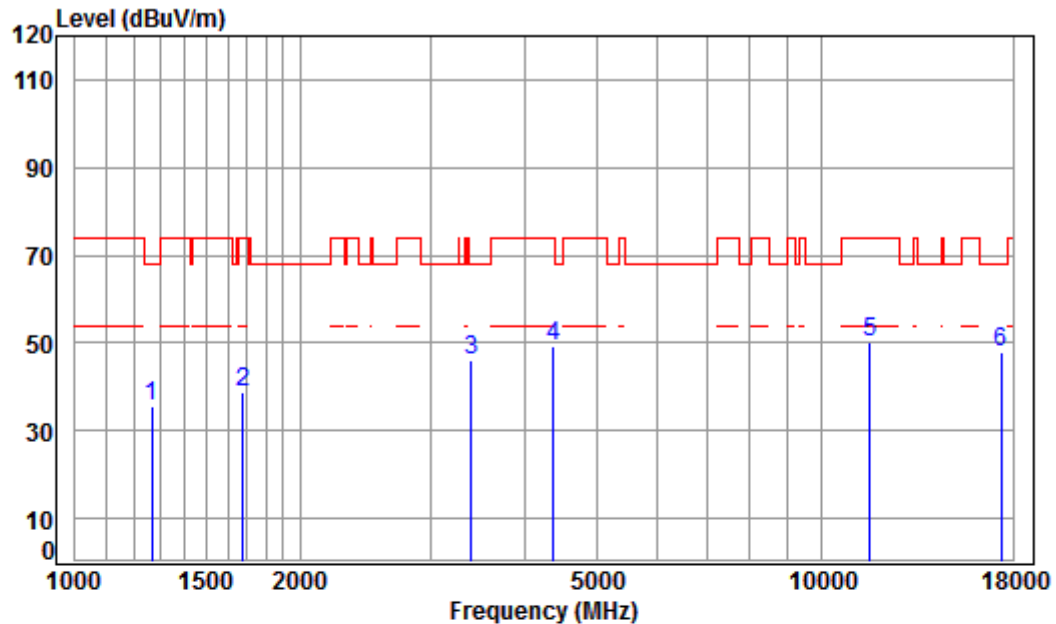
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	41.25	47.36	35.68	68.20	-32.52	peak
2	1485.841	5.43	25.74	41.40	49.24	39.01	74.00	-34.99	peak
3	3159.355	6.14	31.60	42.14	50.42	46.02	68.20	-22.18	peak
4	3629.540	6.60	32.58	42.25	51.94	48.87	74.00	-25.13	peak
5	11570.000	12.17	38.17	38.24	36.80	48.90	74.00	-25.10	peak
6	pp17355.000	15.92	43.23	40.58	29.56	48.13	68.20	-20.07	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	41.24	47.36	35.60	68.20	-32.60	peak
2	1677.621	5.25	26.58	41.52	48.34	38.65	74.00	-35.35	peak
3	3396.098	6.37	32.02	42.20	49.99	46.18	68.20	-22.02	peak
4	4367.058	7.41	33.60	42.39	50.61	49.23	74.00	-24.77	peak
5	11570.000	12.17	38.17	38.24	37.93	50.03	74.00	-23.97	peak
6	pp17355.000	15.92	43.23	40.58	29.33	47.90	68.20	-20.30	peak

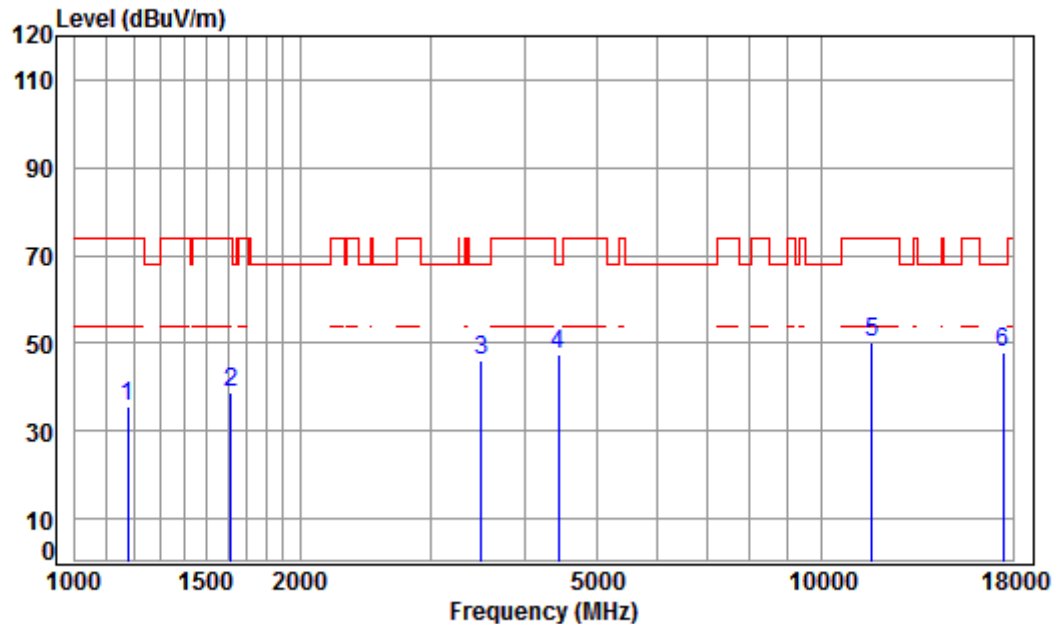


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 175 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1175.697	4.32	24.36	41.16	47.98	35.50	74.00	-38.50	peak
2	1615.754	5.33	26.32	41.48	48.84	39.01	74.00	-34.99	peak
3	3495.691	6.46	32.19	42.22	49.59	46.02	68.20	-22.18	peak
4	4430.628	7.48	33.60	42.41	48.60	47.27	68.20	-20.93	peak
5	11650.000	12.20	38.25	38.29	37.99	50.15	74.00	-23.85	peak
6	pp17475.000	15.65	43.37	40.68	29.40	47.74	68.20	-20.46	peak

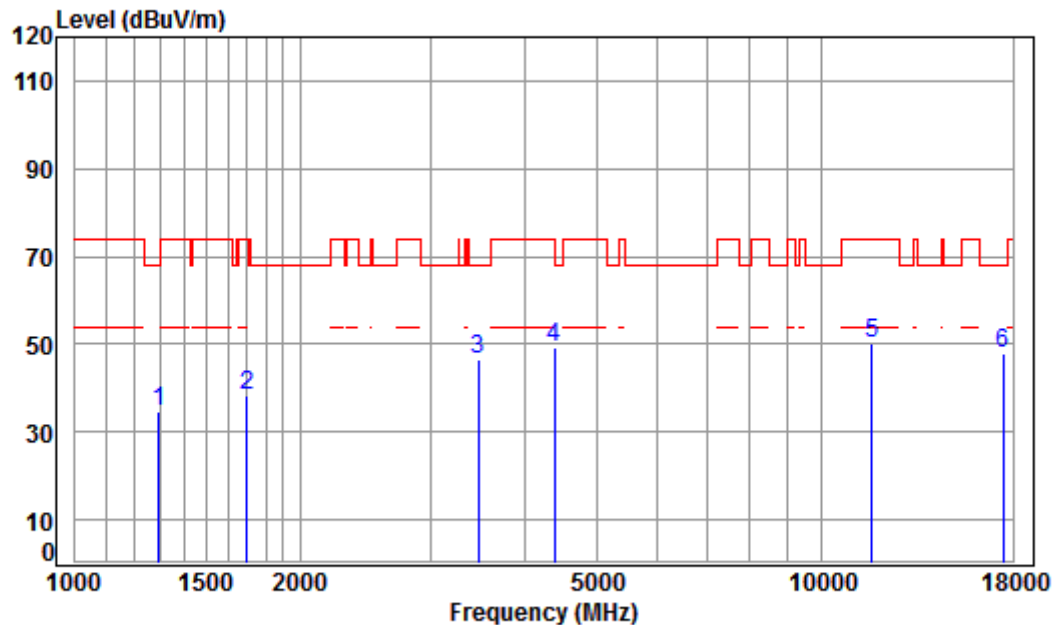


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 176 of 583

Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	41.26	46.19	34.62	68.20	-33.58	peak
2	1697.129	5.23	26.66	41.53	48.13	38.49	74.00	-35.51	peak
3	3465.510	6.43	32.14	42.21	50.24	46.60	68.20	-21.60	peak
4	4379.699	7.43	33.60	42.40	50.64	49.27	74.00	-24.73	peak
5	11650.000	12.20	38.25	38.29	37.99	50.15	74.00	-23.85	peak
6	pp17475.000	15.65	43.37	40.68	29.53	47.87	68.20	-20.33	peak

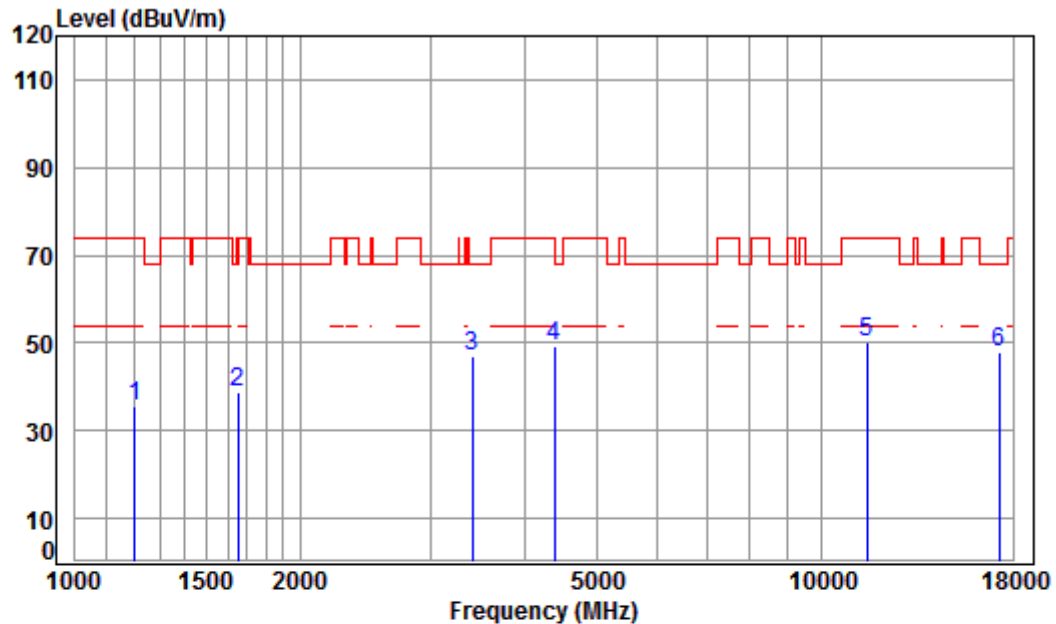


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 177 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	4.43	24.49	41.19	48.03	35.76	74.00	-38.24	peak
2	1653.550	5.28	26.48	41.50	48.35	38.61	68.20	-29.59	peak
3	3405.929	6.38	32.04	42.20	50.97	47.19	68.20	-21.01	peak
4	4379.699	7.43	33.60	42.40	50.63	49.26	74.00	-24.74	peak
5	11490.000	12.13	38.09	38.19	38.08	50.11	74.00	-23.89	peak
6	pp17235.000	16.18	43.08	40.48	29.26	48.04	68.20	-20.16	peak

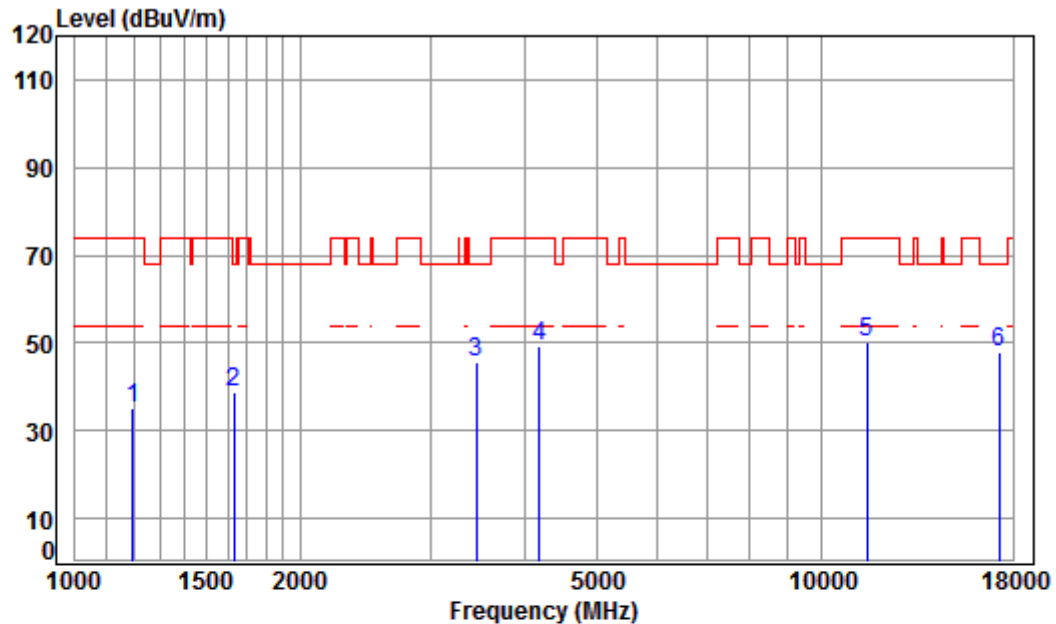


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 178 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	41.18	47.39	35.07	74.00	-38.93	peak
2	1634.543	5.31	26.40	41.49	48.76	38.98	68.20	-29.22	peak
3	3445.535	6.41	32.11	42.21	49.48	45.79	68.20	-22.41	peak
4	4181.768	7.20	33.60	42.36	50.67	49.11	74.00	-24.89	peak
5	11490.000	12.13	38.09	38.19	38.24	50.27	74.00	-23.73	peak
6	pp17235.000	16.18	43.08	40.48	29.08	47.86	68.20	-20.34	peak

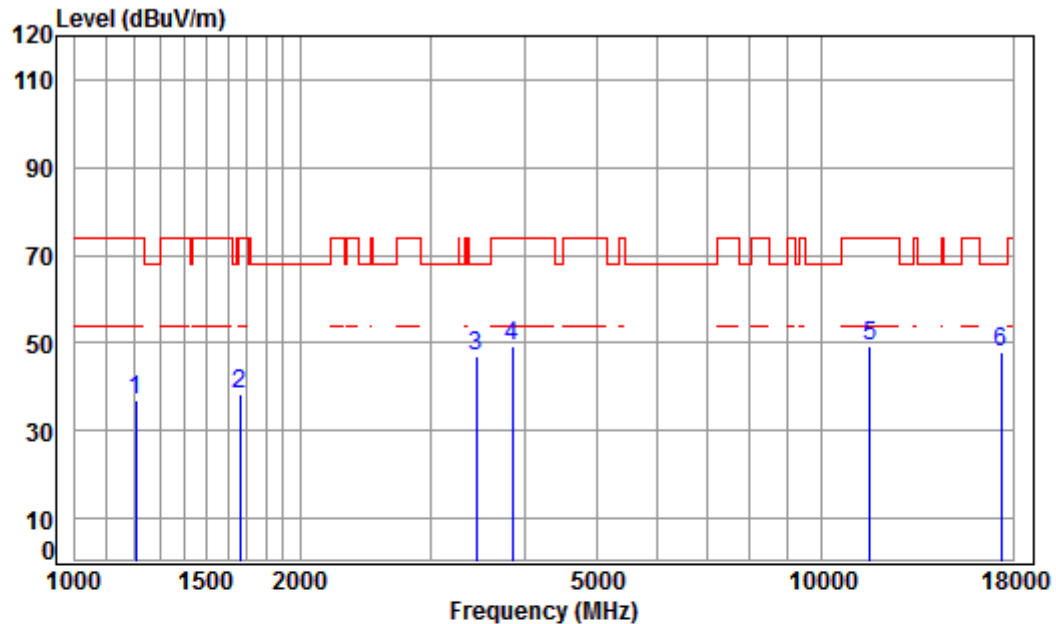


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 179 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

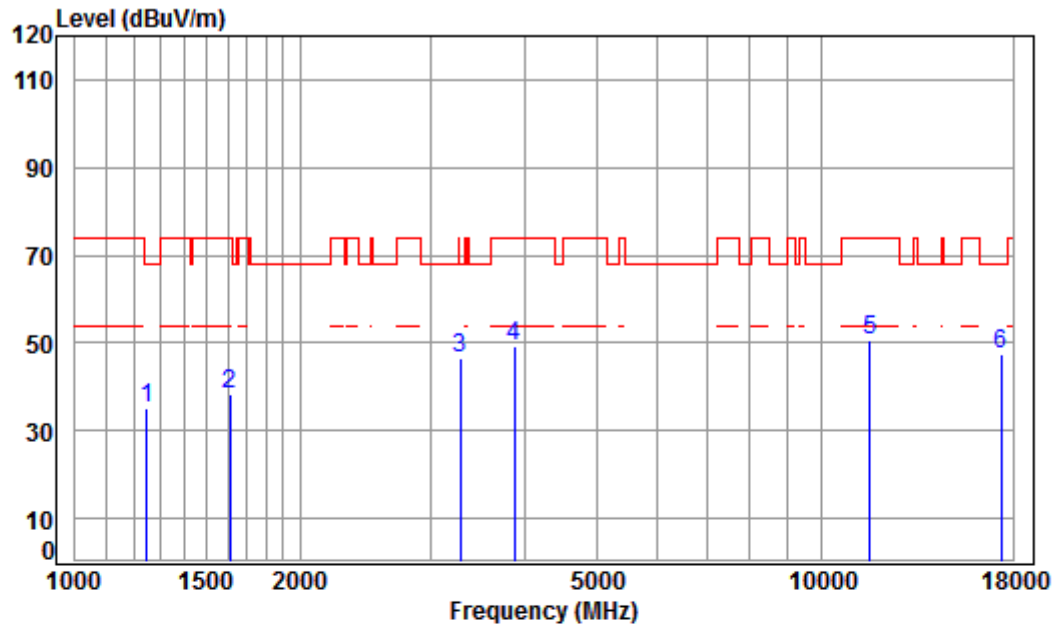
Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.682	4.44	24.51	41.19	48.98	36.74	74.00	-37.26	peak
2	1663.137	5.27	26.52	41.51	48.22	38.50	74.00	-35.50	peak
3	3445.535	6.41	32.11	42.21	50.72	47.03	68.20	-21.17	peak
4	3845.537	6.83	33.19	42.29	51.56	49.29	74.00	-24.71	peak
5	11570.000	12.17	38.17	38.24	37.13	49.23	74.00	-24.77	peak
6	pp17355.000	15.92	43.23	40.58	29.48	48.05	68.20	-20.15	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

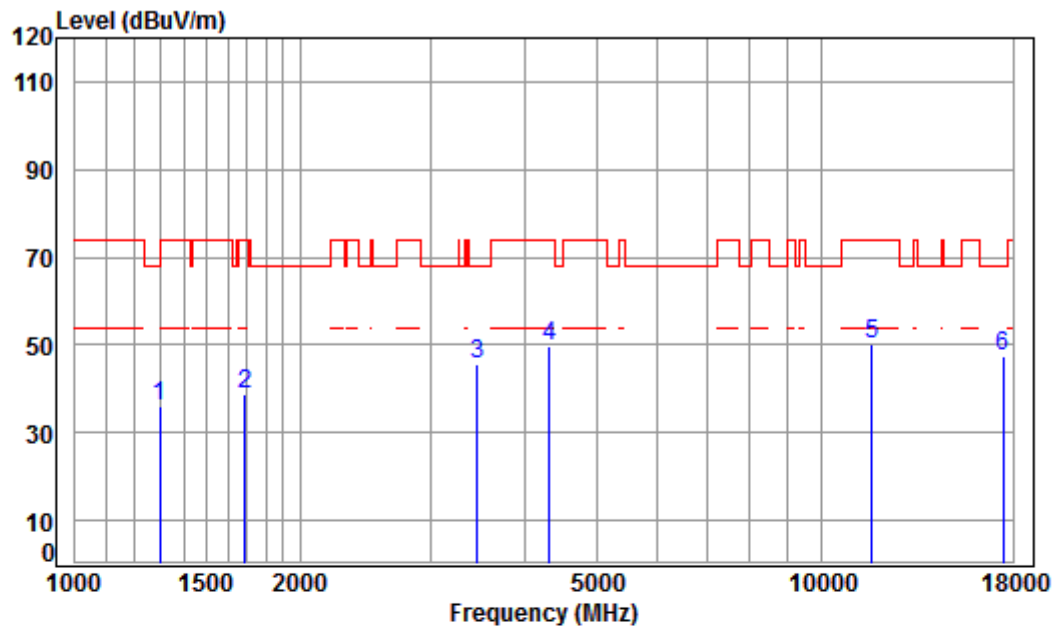
Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	41.22	47.22	35.33	68.20	-32.87	peak
2	1611.091	5.34	26.30	41.48	48.21	38.37	74.00	-35.63	peak
3	3280.326	6.26	31.82	42.17	50.83	46.74	68.20	-21.46	peak
4	3879.027	6.86	33.28	42.30	51.23	49.07	74.00	-24.93	peak
5	11570.000	12.17	38.17	38.24	38.62	50.72	74.00	-23.28	peak
6	pp17355.000	15.92	43.23	40.58	28.71	47.28	68.20	-20.92	peak



Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	41.26	47.40	35.87	68.20	-32.33	peak
2	1687.347	5.24	26.62	41.52	48.47	38.81	74.00	-35.19	peak
3	3455.508	6.42	32.13	42.21	49.49	45.83	68.20	-22.37	peak
4	4316.859	7.36	33.60	42.38	51.13	49.71	74.00	-24.29	peak
5	11650.000	12.20	38.25	38.29	37.87	50.03	74.00	-23.97	peak
6	pp17475.000	15.65	43.37	40.68	29.09	47.43	68.20	-20.77	peak

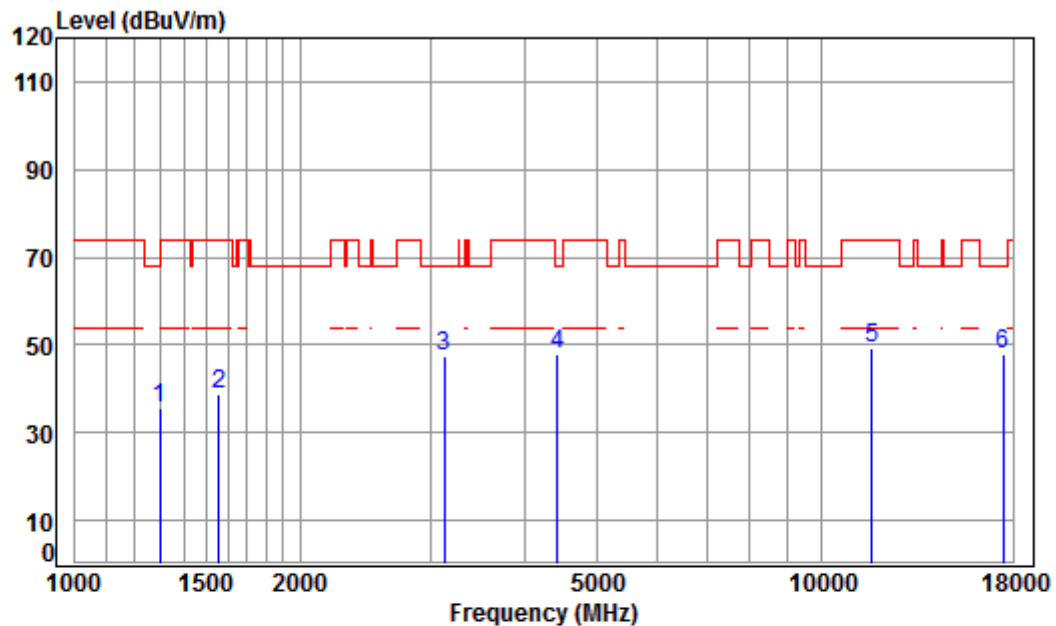


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 182 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	46.89	35.39	74.00	-38.61	peak
2	1556.169	5.41	26.06	41.44	48.56	38.59	74.00	-35.41	peak
3	3123.039	6.11	31.53	42.13	51.73	47.24	68.20	-20.96	peak
4 pp	4417.841	7.47	33.60	42.40	49.06	47.73	68.20	-20.47	peak
5	11650.000	12.20	38.25	38.29	37.27	49.43	74.00	-24.57	peak
6	17475.000	15.65	43.37	40.68	29.36	47.70	68.20	-20.50	peak

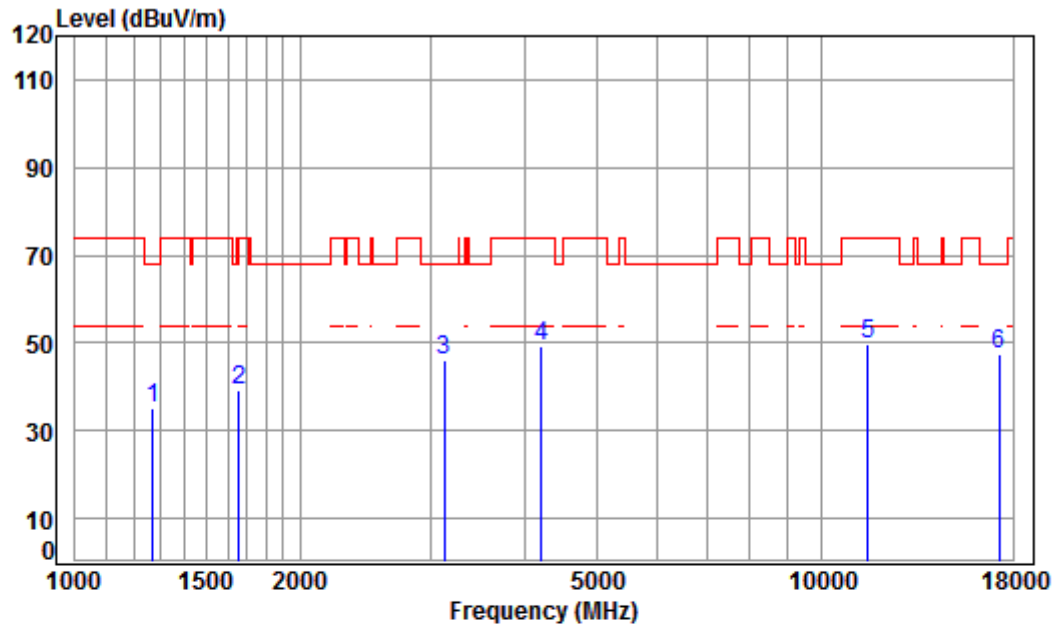


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 183 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

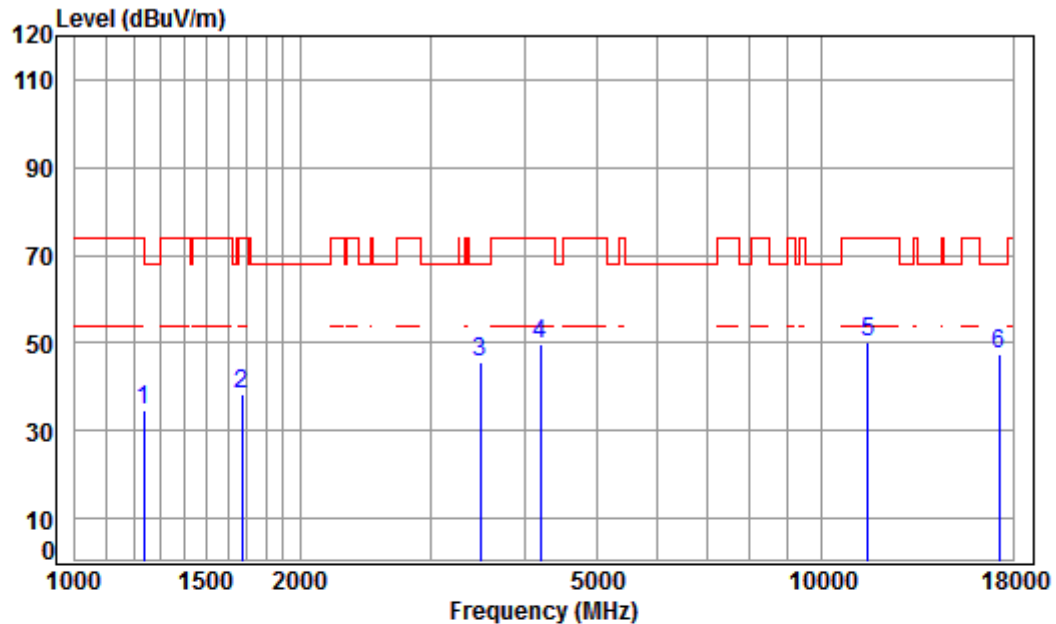
Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	41.24	46.88	35.15	68.20	-33.05	peak
2	1658.337	5.28	26.50	41.51	49.01	39.28	68.20	-28.92	peak
3	3123.039	6.11	31.53	42.13	50.38	45.89	68.20	-22.31	peak
4	4206.011	7.23	33.60	42.36	50.93	49.40	74.00	-24.60	peak
5	11510.000	12.14	38.11	38.20	37.57	49.62	74.00	-24.38	peak
6	pp17265.000	16.12	43.12	40.51	28.72	47.45	68.20	-20.75	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

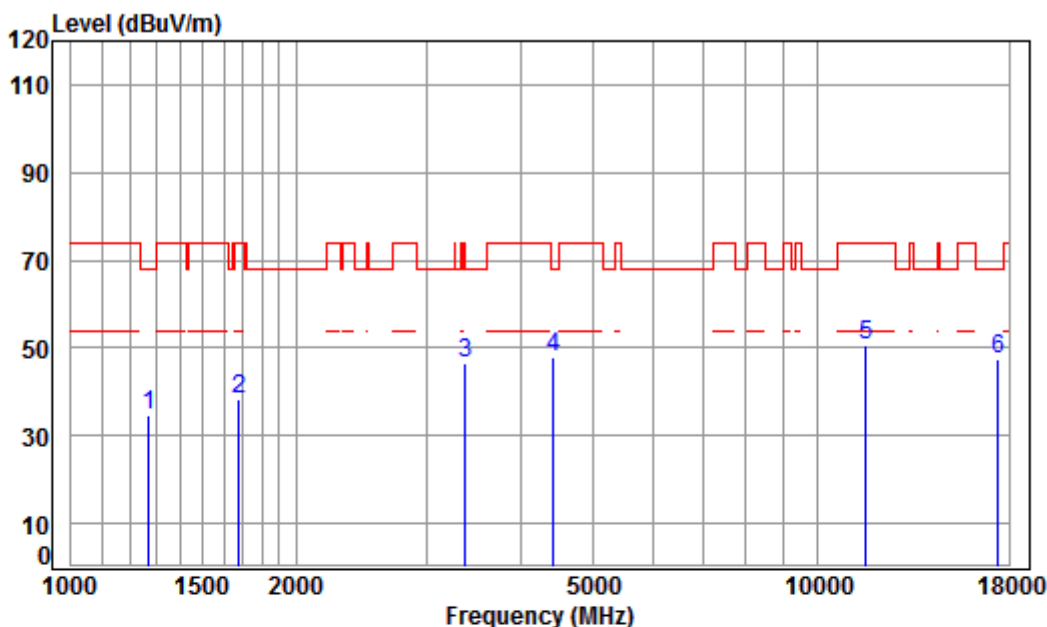
Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	46.89	34.88	74.00	-39.12	peak
2	1672.779	5.26	26.56	41.52	48.13	38.43	74.00	-35.57	peak
3	3485.601	6.45	32.18	42.22	49.33	45.74	68.20	-22.46	peak
4	4193.872	7.21	33.60	42.36	51.07	49.52	74.00	-24.48	peak
5	11510.000	12.14	38.11	38.20	38.23	50.28	74.00	-23.72	peak
6	pp17265.000	16.12	43.12	40.51	28.72	47.45	68.20	-20.75	peak



Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	41.24	46.25	34.52	68.20	-33.68	peak
2	1677.621	5.25	26.58	41.52	48.18	38.49	74.00	-35.51	peak
3	3366.778	6.34	31.97	42.19	50.32	46.44	68.20	-21.76	peak
4 pp	4417.841	7.47	33.60	42.40	49.32	47.99	68.20	-20.21	peak
5	11590.000	12.17	38.19	38.25	38.37	50.48	74.00	-23.52	peak
6	17385.000	15.85	43.26	40.60	29.06	47.57	68.20	-20.63	peak

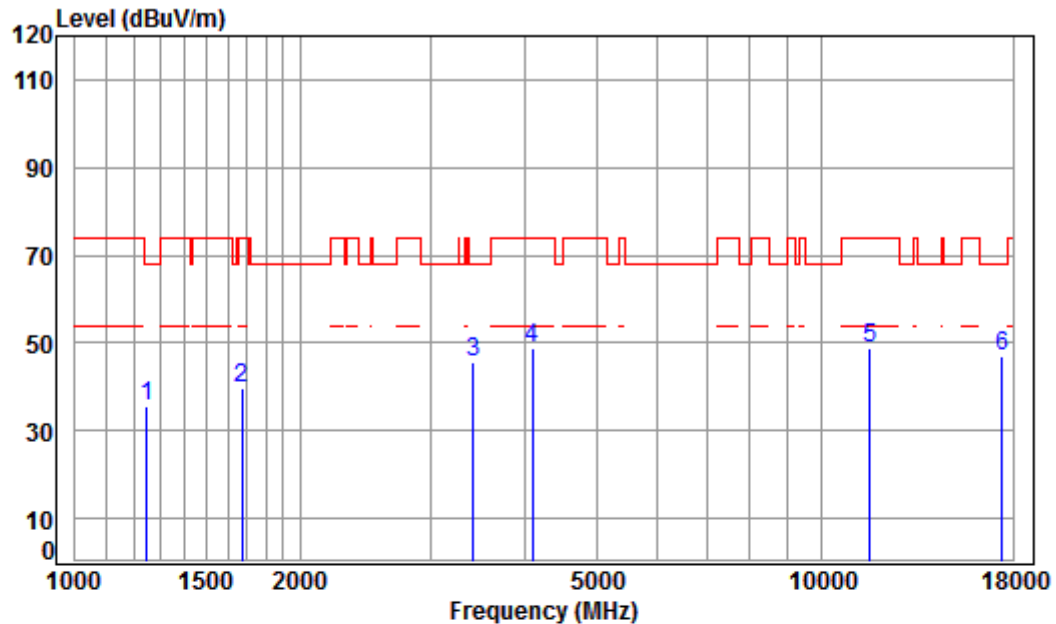


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 186 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

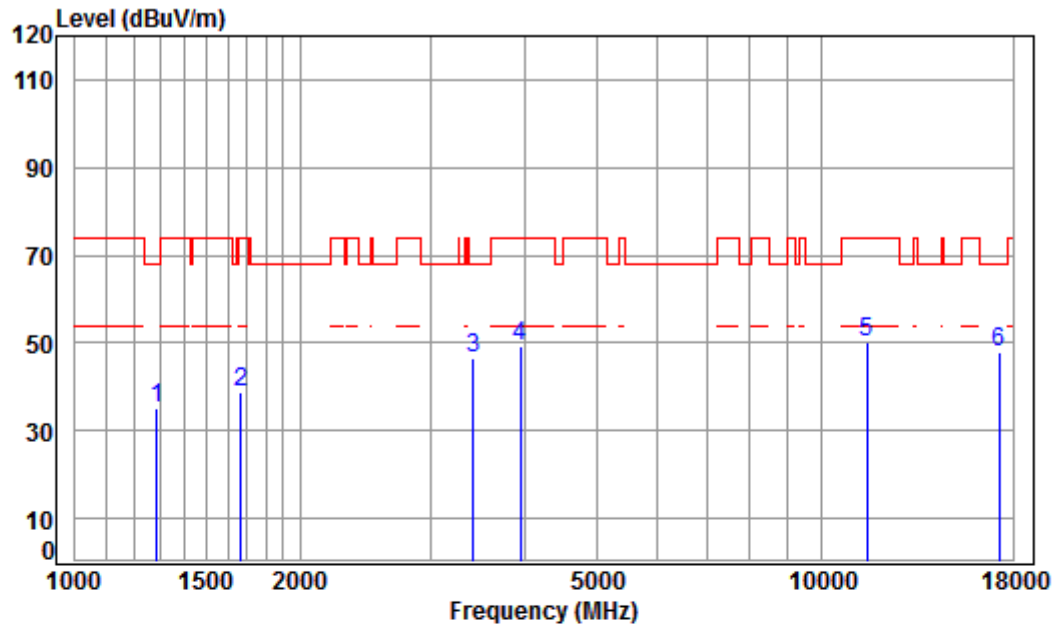
Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	41.22	47.32	35.43	68.20	-32.77	peak
2	1672.779	5.26	26.56	41.52	49.31	39.61	74.00	-34.39	peak
3	3415.787	6.38	32.06	42.20	49.61	45.85	68.20	-22.35	peak
4	4098.010	7.10	33.60	42.34	50.58	48.94	74.00	-25.06	peak
5	11590.000	12.17	38.19	38.25	36.87	48.98	74.00	-25.02	peak
6	pp17385.000	15.85	43.26	40.60	28.70	47.21	68.20	-20.99	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

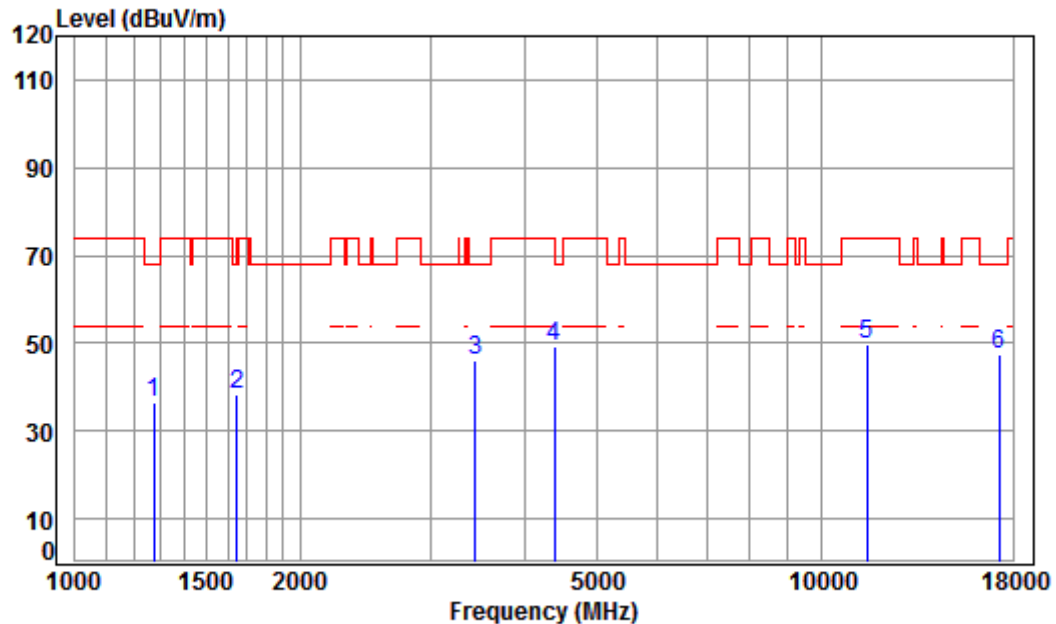
Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	41.25	46.91	35.30	68.20	-32.90	peak
2	1667.951	5.27	26.54	41.51	48.58	38.88	74.00	-35.12	peak
3	3415.787	6.38	32.06	42.20	50.41	46.65	68.20	-21.55	peak
4	3946.885	6.93	33.46	42.31	51.06	49.14	74.00	-24.86	peak
5	11490.000	12.13	38.09	38.19	38.38	50.41	74.00	-23.59	peak
6	pp17235.000	16.18	43.08	40.48	29.04	47.82	68.20	-20.38	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	41.24	48.07	36.38	68.20	-31.82	peak
2	1648.778	5.29	26.46	41.50	48.13	38.38	68.20	-29.82	peak
3	3435.590	6.40	32.09	42.21	49.92	46.20	68.20	-22.00	peak
4	4379.699	7.43	33.60	42.40	50.83	49.46	74.00	-24.54	peak
5	11490.000	12.13	38.09	38.19	37.69	49.72	74.00	-24.28	peak
6	pp17235.000	16.18	43.08	40.48	28.48	47.26	68.20	-20.94	peak

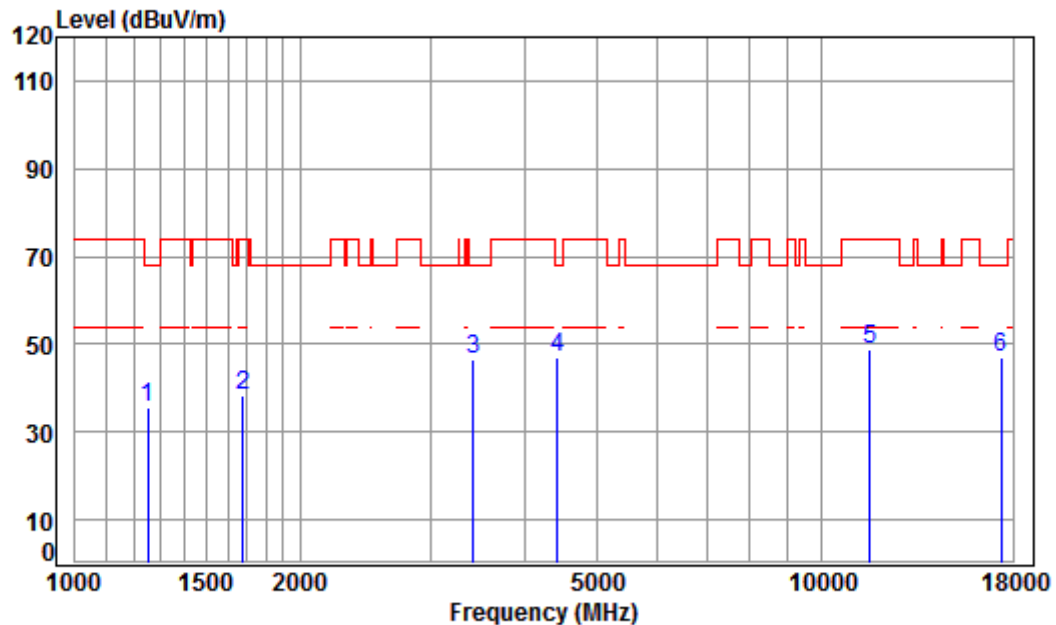


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 189 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

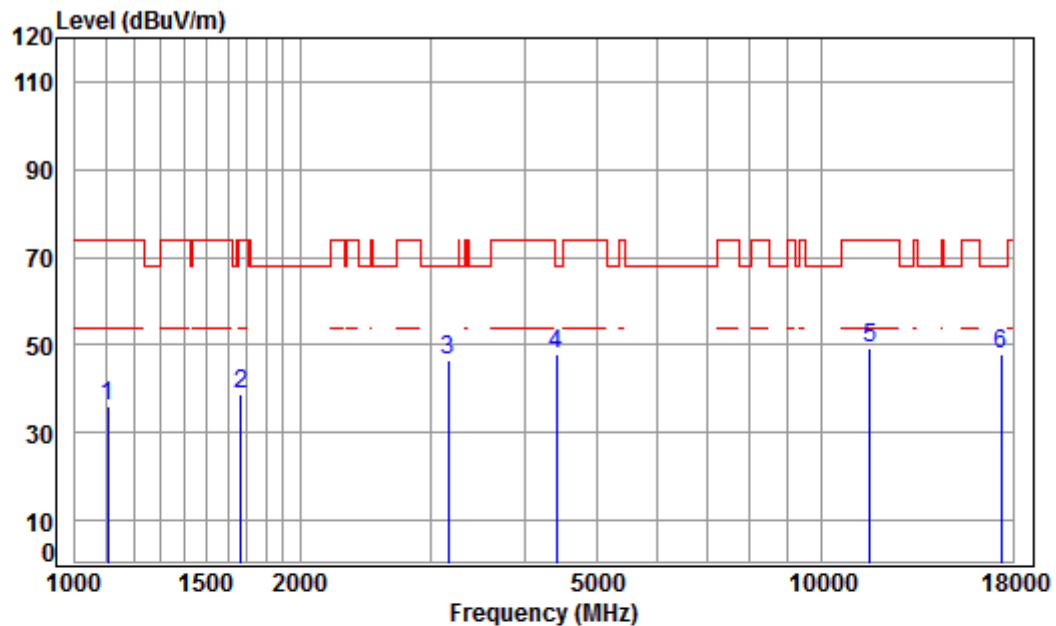
Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.73	41.23	47.37	35.49	68.20	-32.71	peak
2	1677.621	5.25	26.58	41.52	47.96	38.27	74.00	-35.73	peak
3	3415.787	6.38	32.06	42.20	50.20	46.44	68.20	-21.76	peak
4 pp	4417.841	7.47	33.60	42.40	48.40	47.07	68.20	-21.13	peak
5	11570.000	12.17	38.17	38.24	36.67	48.77	74.00	-25.23	peak
6	17355.000	15.92	43.23	40.58	28.39	46.96	68.20	-21.24	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1106.457	4.03	24.00	41.10	49.10	36.03	74.00	-37.97	peak
2	1667.951	5.27	26.54	41.51	48.28	38.58	74.00	-35.42	peak
3	3159.355	6.14	31.60	42.14	50.90	46.50	68.20	-21.70	peak
4	4405.090	7.46	33.60	42.40	49.11	47.77	68.20	-20.43	peak
5	11570.000	12.17	38.17	38.24	37.08	49.18	74.00	-24.82	peak
6	pp17355.000	15.92	43.23	40.58	29.26	47.83	68.20	-20.37	peak

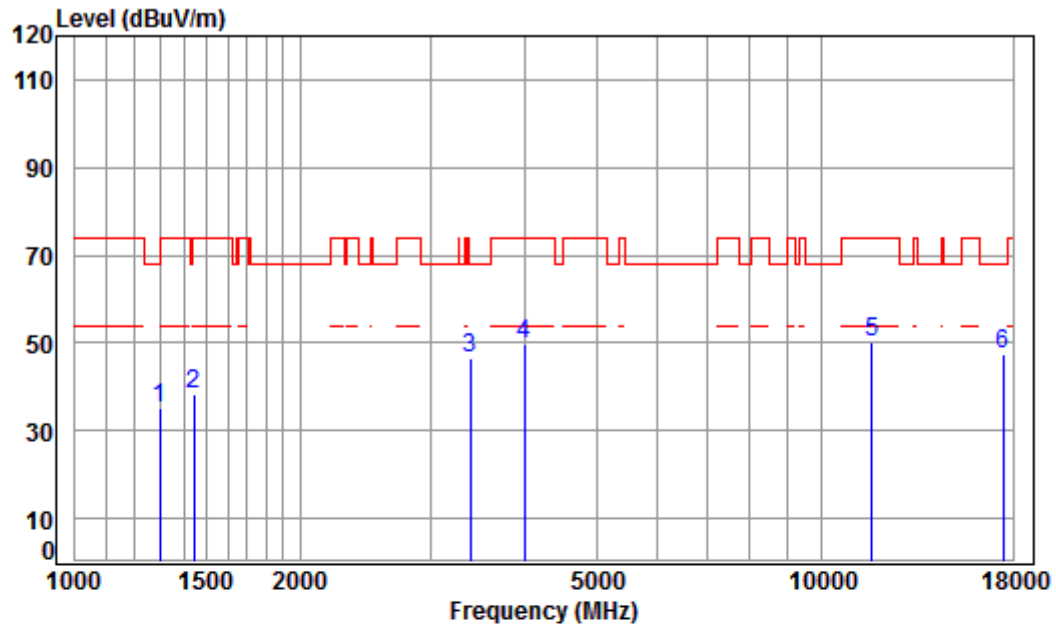


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 191 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

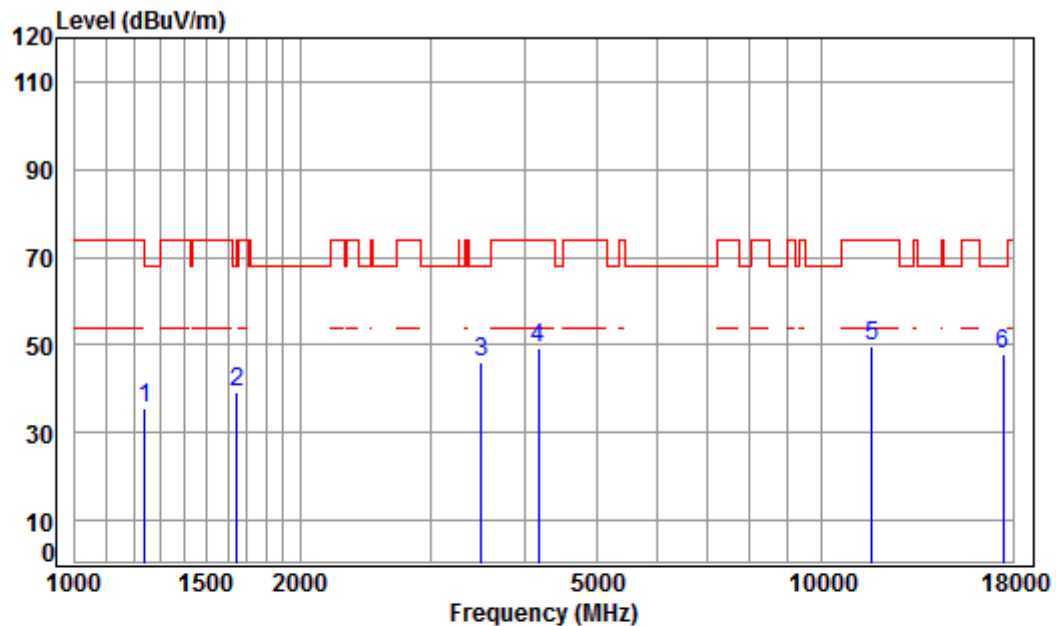
Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	46.83	35.33	74.00	-38.67	peak
2	1443.509	5.30	25.57	41.37	48.74	38.24	74.00	-35.76	peak
3	3376.523	6.35	31.99	42.19	50.37	46.52	68.20	-21.68	peak
4	3992.781	6.97	33.58	42.32	51.58	49.81	74.00	-24.19	peak
5	11650.000	12.20	38.25	38.29	38.10	50.26	74.00	-23.74	peak
6	pp17475.000	15.65	43.37	40.68	29.04	47.38	68.20	-20.82	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

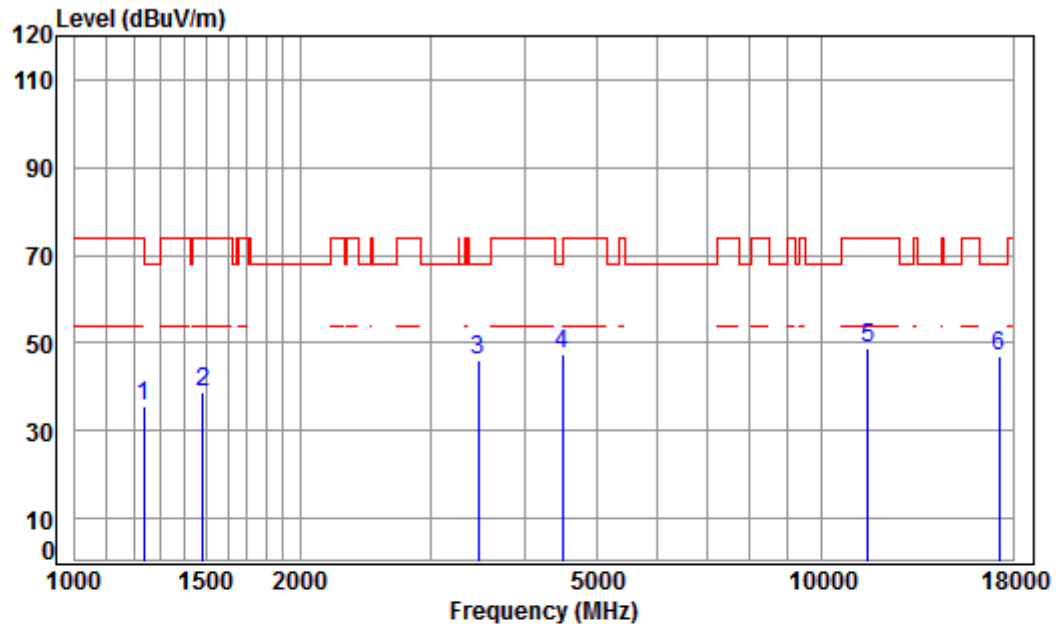
Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	41.21	47.62	35.65	74.00	-38.35	peak
2	1648.778	5.29	26.46	41.50	49.02	39.27	68.20	-28.93	peak
3	3495.691	6.46	32.19	42.22	49.72	46.15	68.20	-22.05	peak
4	4169.698	7.18	33.60	42.36	50.66	49.08	74.00	-24.92	peak
5	11650.000	12.20	38.25	38.29	37.52	49.68	74.00	-24.32	peak
6	pp17475.000	15.65	43.37	40.68	29.64	47.98	68.20	-20.22	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	47.43	35.42	74.00	-38.58	peak
2	1481.553	5.42	25.73	41.39	49.18	38.94	74.00	-35.06	peak
3	3465.510	6.43	32.14	42.21	49.51	45.87	68.20	-22.33	peak
4 pp	4495.125	7.55	33.60	42.42	48.77	47.50	68.20	-20.70	peak
5	11510.000	12.14	38.11	38.20	36.58	48.63	74.00	-25.37	peak
6	17265.000	16.12	43.12	40.51	28.29	47.02	68.20	-21.18	peak

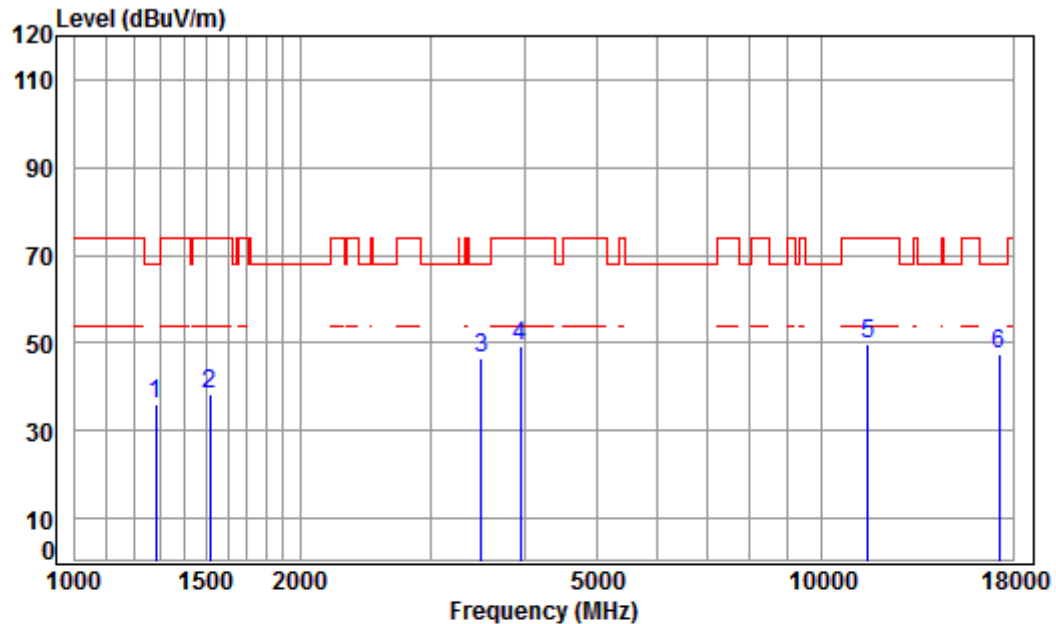


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 194 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

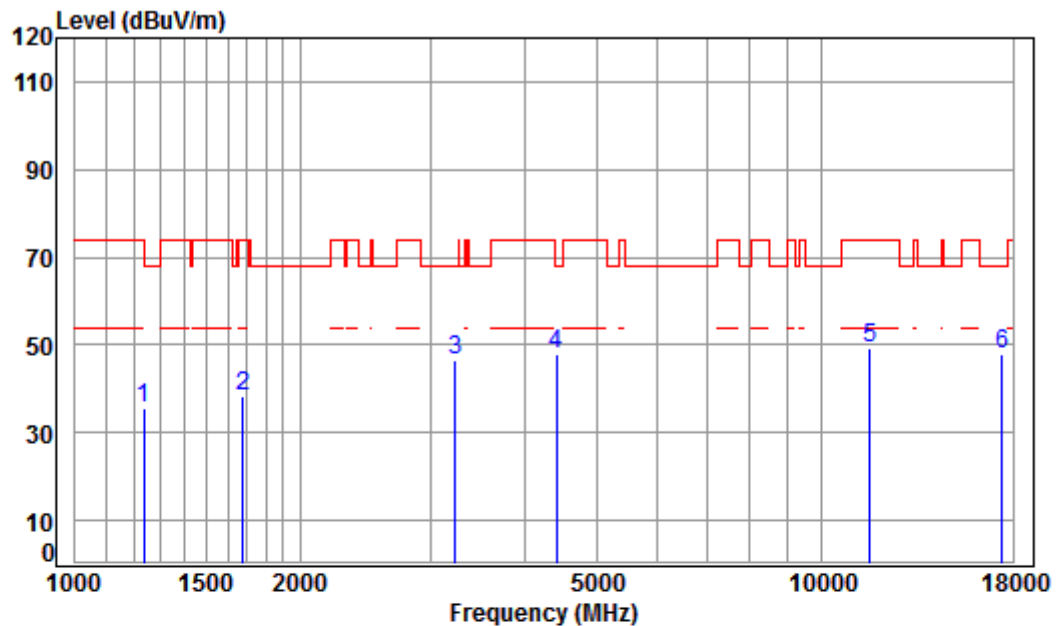
Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	41.25	47.67	36.02	68.20	-32.18	peak
2	1516.210	5.46	25.87	41.42	48.48	38.39	74.00	-35.61	peak
3	3495.691	6.46	32.19	42.22	50.04	46.47	68.20	-21.73	peak
4	3946.885	6.93	33.46	42.31	50.99	49.07	74.00	-24.93	peak
5	11510.000	12.14	38.11	38.20	37.61	49.66	74.00	-24.34	peak
6	pp17265.000	16.12	43.12	40.51	28.71	47.44	68.20	-20.76	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	47.67	35.66	74.00	-38.34	peak
2	1677.621	5.25	26.58	41.52	47.96	38.27	74.00	-35.73	peak
3	3233.260	6.21	31.74	42.16	50.77	46.56	68.20	-21.64	peak
4	4405.090	7.46	33.60	42.40	49.19	47.85	68.20	-20.35	peak
5	11590.000	12.17	38.19	38.25	37.36	49.47	74.00	-24.53	peak
6	pp17385.000	15.85	43.26	40.60	29.49	48.00	68.20	-20.20	peak

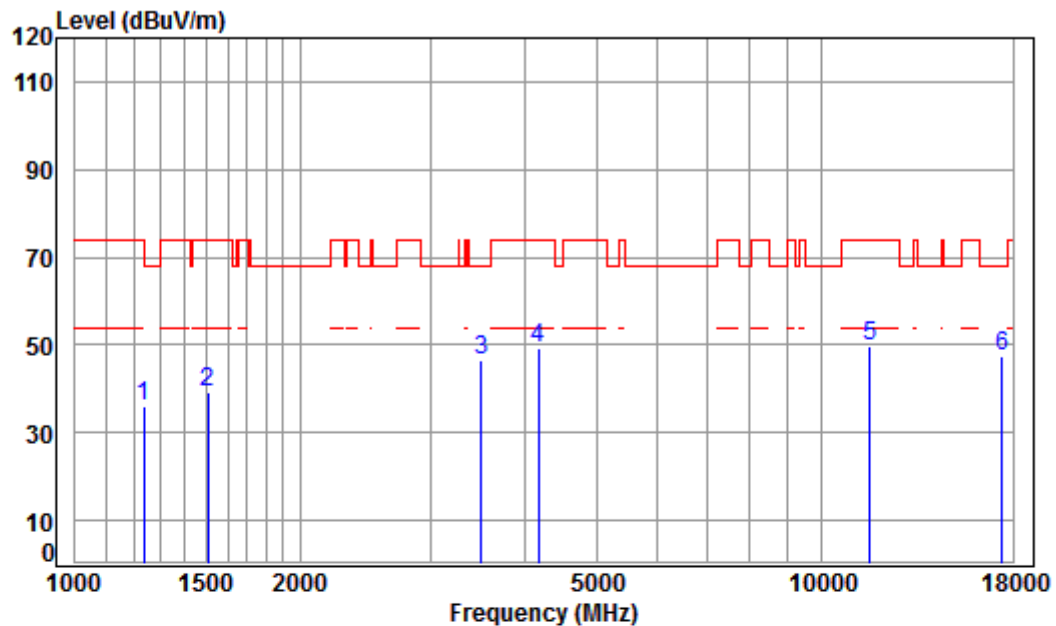


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 196 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	47.96	35.95	74.00	-38.05	peak
2	1507.470	5.47	25.83	41.41	49.14	39.03	74.00	-34.97	peak
3	3495.691	6.46	32.19	42.22	49.94	46.37	68.20	-21.83	peak
4	4169.698	7.18	33.60	42.36	50.99	49.41	74.00	-24.59	peak
5	11590.000	12.17	38.19	38.25	37.52	49.63	74.00	-24.37	peak
6	pp17385.000	15.85	43.26	40.60	29.07	47.58	68.20	-20.62	peak

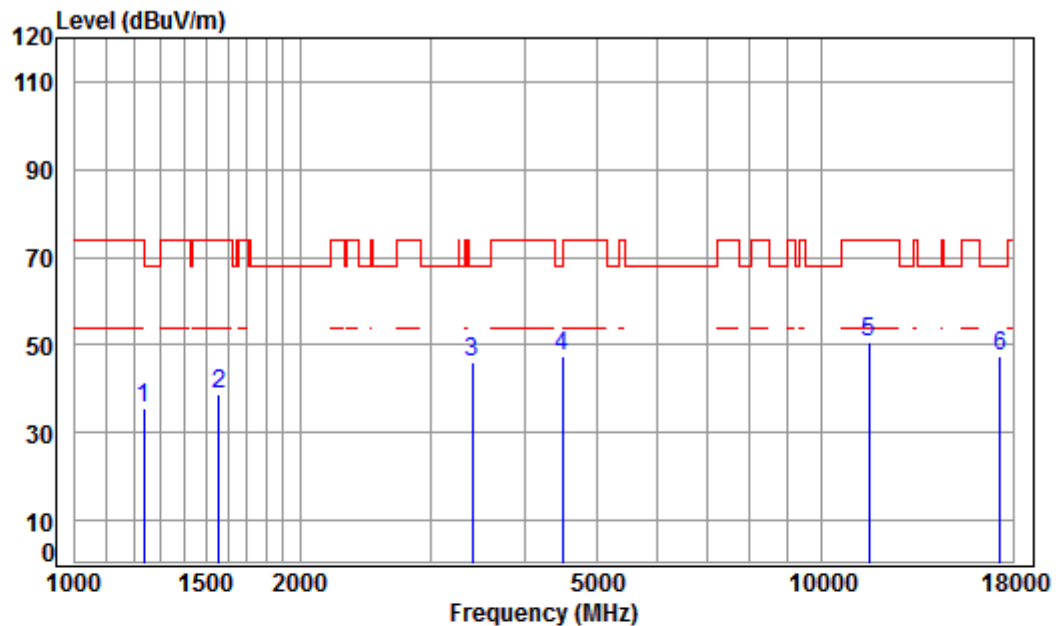


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 197 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

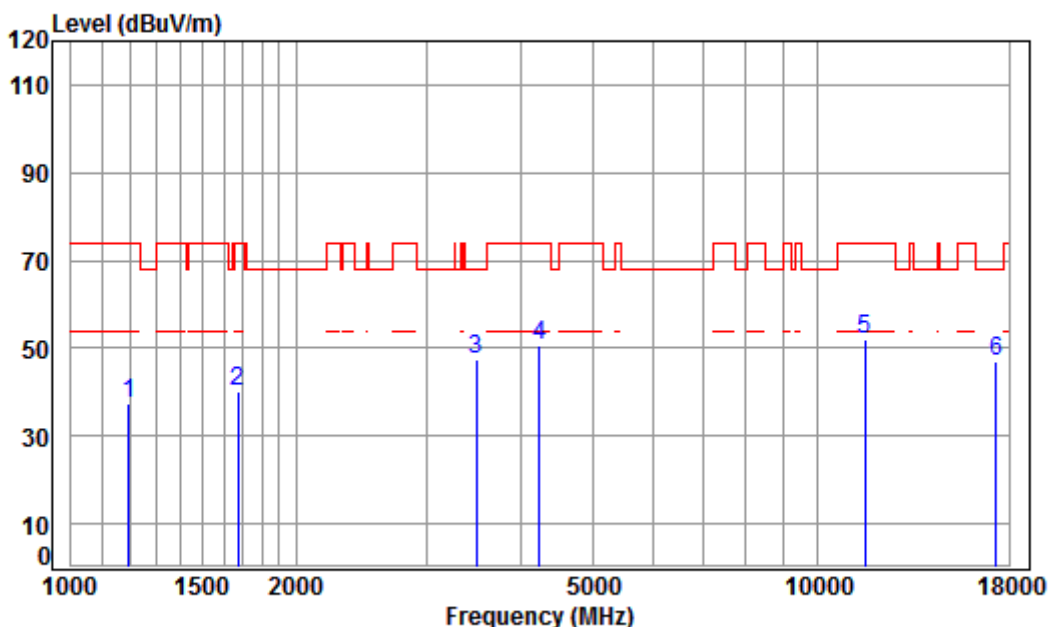
Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	47.47	35.46	74.00	-38.54	peak
2	1560.673	5.40	26.08	41.45	48.67	38.70	74.00	-35.30	peak
3	3405.929	6.38	32.04	42.20	50.07	46.29	68.20	-21.91	peak
4	4495.125	7.55	33.60	42.42	48.69	47.42	68.20	-20.78	peak
5	11550.000	12.16	38.15	38.23	38.53	50.61	74.00	-23.39	peak
6	pp17325.000	15.98	43.19	40.55	28.84	47.46	68.20	-20.74	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5775 TX RSE

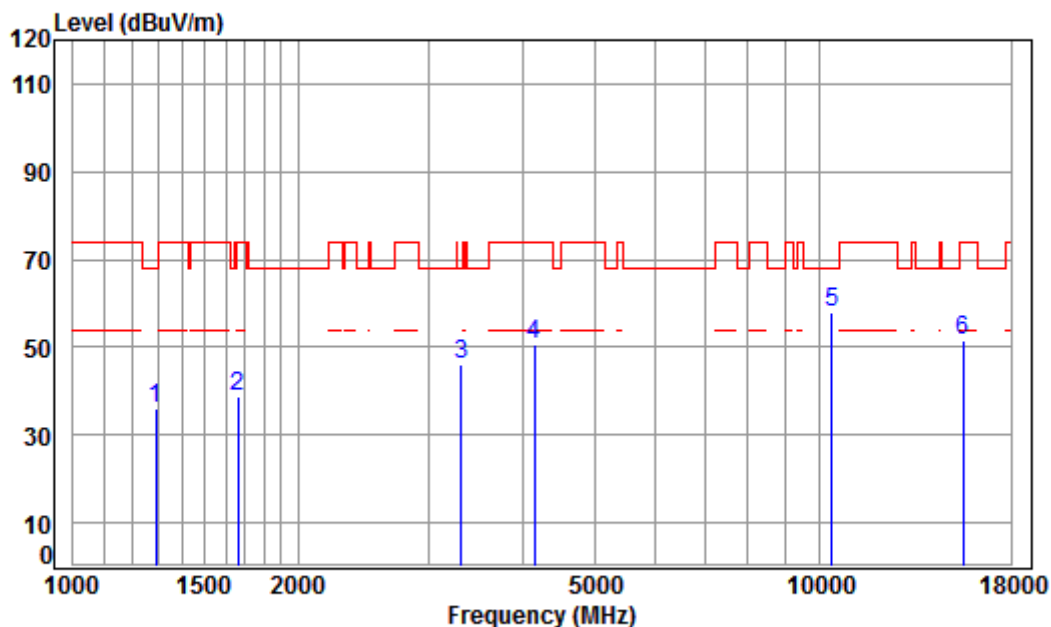
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	41.18	49.58	37.26	74.00	-36.74	peak
2	1672.779	5.26	26.56	41.52	49.85	40.15	74.00	-33.85	peak
3 pp	3485.601	6.45	32.18	42.22	51.20	47.61	68.20	-20.59	peak
4	4230.396	7.26	33.60	42.37	52.03	50.52	74.00	-23.48	peak
5	11550.000	12.16	38.15	38.23	39.72	51.80	74.00	-22.20	peak
6	17325.000	15.98	43.19	40.55	28.49	47.11	68.20	-21.09	peak



ANT4:

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	44.30	35.91	68.20	-32.29	peak
2	1663.137	5.27	26.52	38.03	45.01	38.77	74.00	-35.23	peak
3	3308.894	6.29	31.87	37.93	46.06	46.29	68.20	-21.91	peak
4	4145.664	7.16	33.60	38.08	47.85	50.53	74.00	-23.47	peak
5	10360.000	11.19	37.24	35.09	44.58	57.92	68.20	-10.28	peak
6	15540.000	14.30	41.38	38.30	34.38	51.76	74.00	-22.24	peak

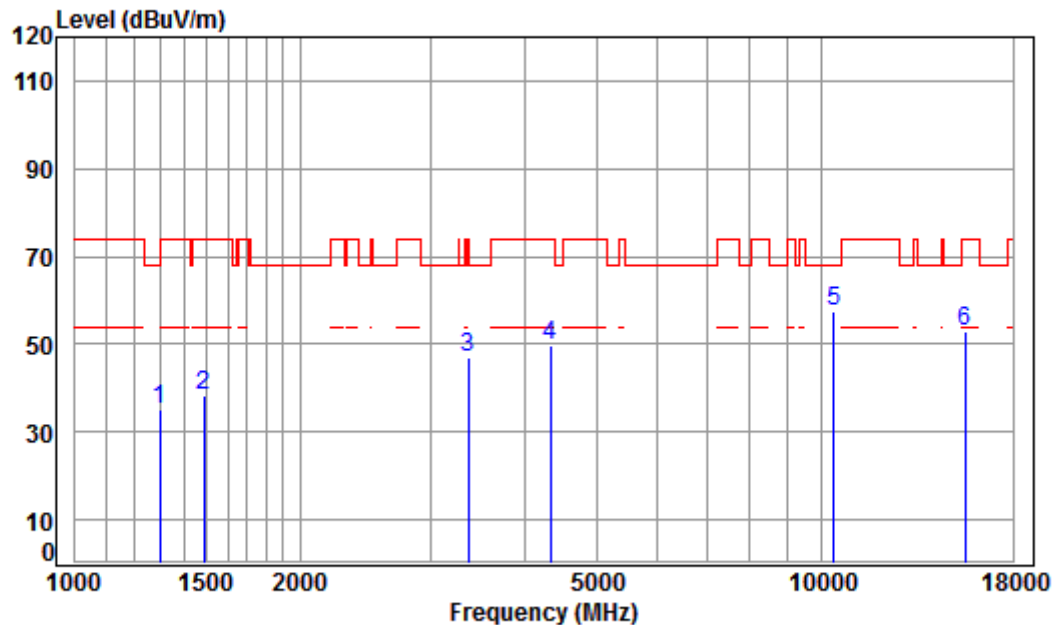


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 200 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.56	35.26	74.00	-38.74	peak
2	1490.142	5.45	25.76	38.04	45.31	38.48	74.00	-35.52	peak
3	3357.061	6.33	31.96	37.94	46.61	46.96	74.00	-27.04	peak
4	4329.354	7.37	33.60	38.18	46.93	49.72	74.00	-24.28	peak
5	pp10360.000	11.19	37.24	35.09	44.16	57.50	68.20	-10.70	peak
6	15540.000	14.30	41.38	38.30	35.51	52.89	74.00	-21.11	peak

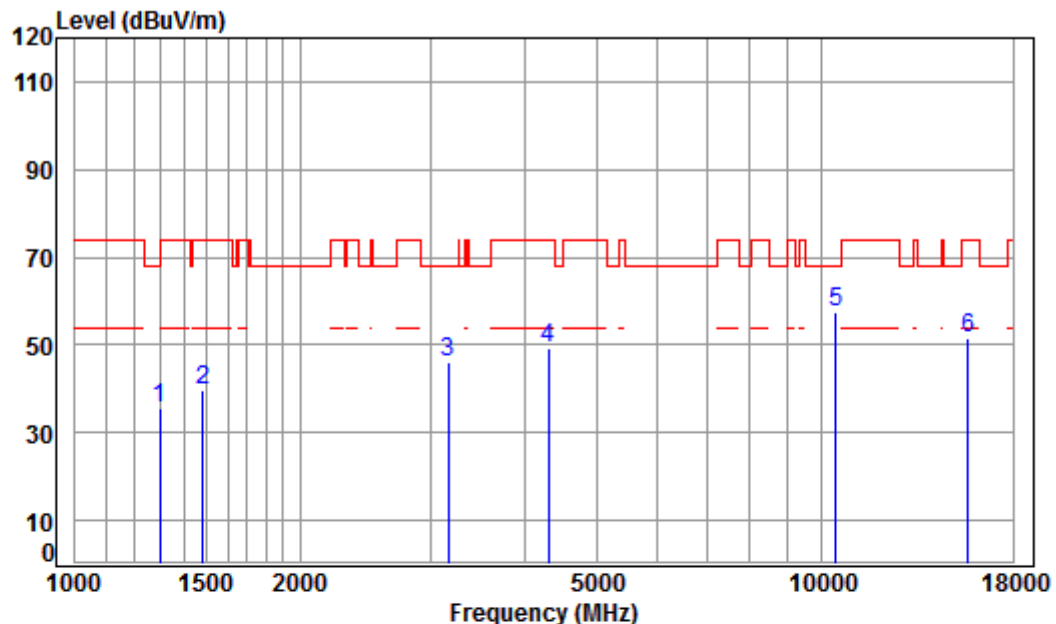


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 201 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	43.96	35.63	68.20	-32.57	peak
2	1481.553	5.42	25.73	38.04	46.38	39.49	74.00	-34.51	peak
3	3159.355	6.14	31.60	37.92	46.20	46.02	68.20	-22.18	peak
4	4304.400	7.34	33.60	38.16	46.47	49.25	74.00	-24.75	peak
5	pp10440.000	11.25	37.16	35.13	44.25	57.53	68.20	-10.67	peak
6	15660.000	14.48	41.34	38.17	34.10	51.75	74.00	-22.25	peak

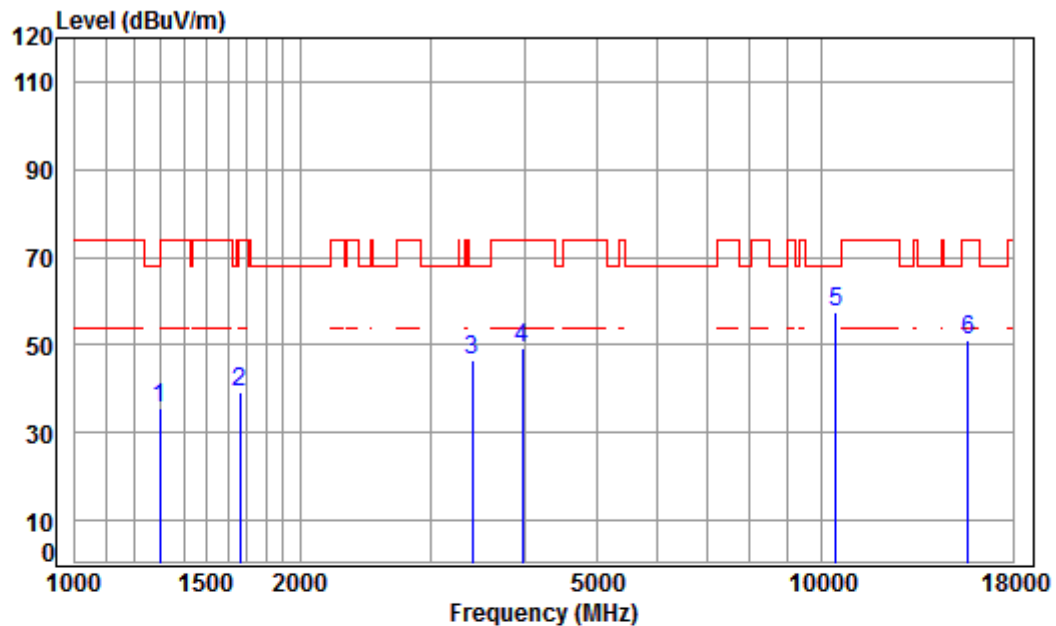


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 202 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

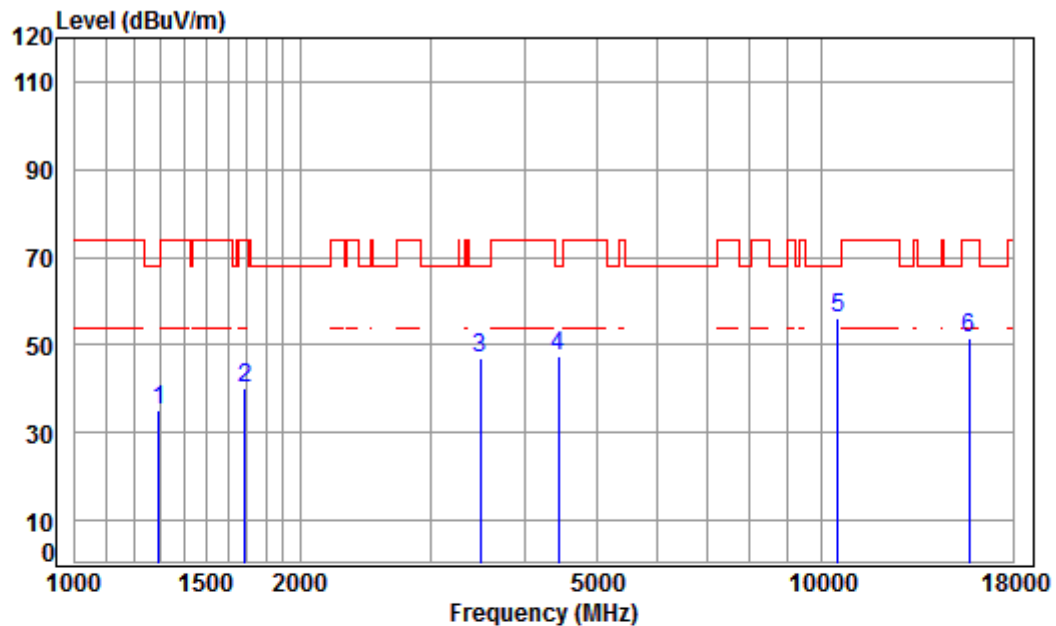
Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	43.81	35.48	68.20	-32.72	peak
2	1663.137	5.27	26.52	38.03	45.34	39.10	74.00	-34.90	peak
3	3405.929	6.38	32.04	37.94	46.00	46.48	68.20	-21.72	peak
4	3969.767	6.95	33.52	38.00	46.78	49.25	74.00	-24.75	peak
5	pp10440.000	11.25	37.16	35.13	44.28	57.56	68.20	-10.64	peak
6	15660.000	14.48	41.34	38.17	33.49	51.14	74.00	-22.86	peak



Mode:a; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	43.72	35.35	68.20	-32.85	peak
2	1687.347	5.24	26.62	38.02	46.38	40.22	74.00	-33.78	peak
3	3485.601	6.45	32.18	37.95	46.53	47.21	68.20	-20.99	peak
4	4430.628	7.48	33.60	38.23	44.64	47.49	68.20	-20.71	peak
5	pp10480.000	11.28	37.12	35.15	42.94	56.19	68.20	-12.01	peak
6	15720.000	14.57	41.31	38.10	33.64	51.42	74.00	-22.58	peak

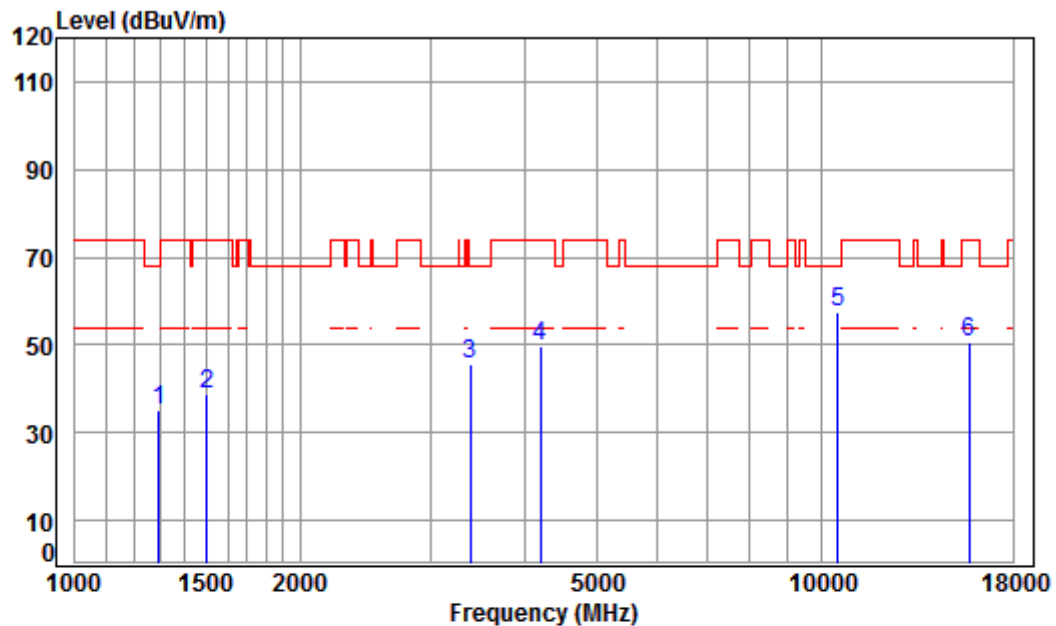


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 204 of 583

Mode:a; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	43.70	35.33	68.20	-32.87	peak
2	1503.119	5.48	25.81	38.04	45.31	38.56	74.00	-35.44	peak
3	3386.297	6.36	32.01	37.94	45.33	45.76	68.20	-22.44	peak
4	4193.872	7.21	33.60	38.11	46.88	49.58	74.00	-24.42	peak
5	pp10480.000	11.28	37.12	35.15	44.22	57.47	68.20	-10.73	peak
6	15720.000	14.57	41.31	38.10	33.05	50.83	74.00	-23.17	peak

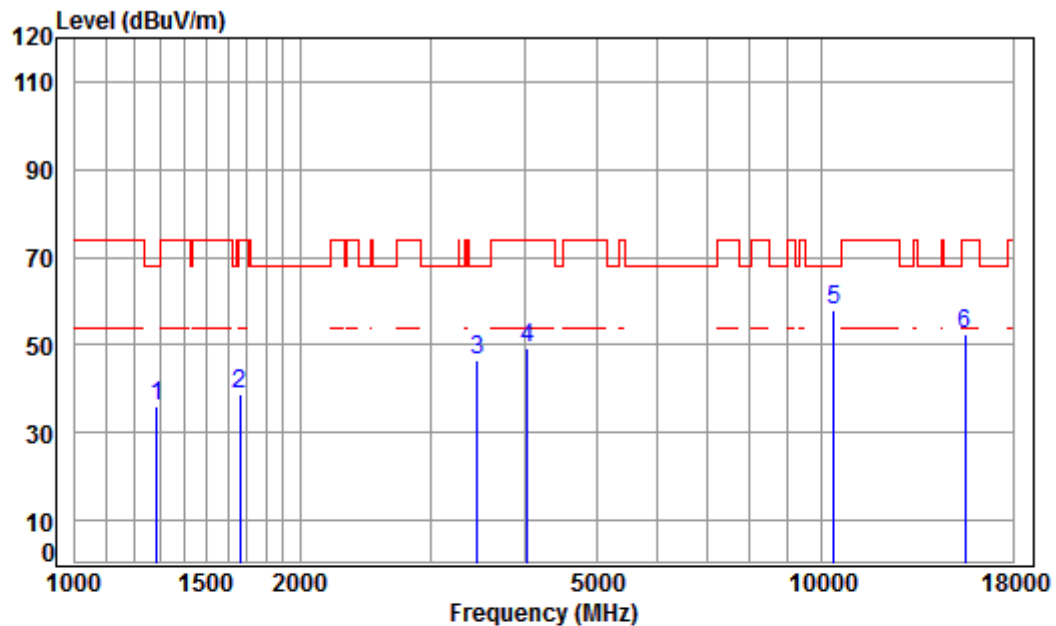


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 205 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.50	36.08	68.20	-32.12	peak
2	1663.137	5.27	26.52	38.03	44.88	38.64	74.00	-35.36	peak
3	3455.508	6.42	32.13	37.95	45.78	46.38	68.20	-21.82	peak
4	4027.554	7.01	33.60	38.02	46.84	49.43	74.00	-24.57	peak
5	pp10360.000	11.19	37.24	35.09	44.57	57.91	68.20	-10.29	peak
6	15540.000	14.30	41.38	38.30	35.07	52.45	74.00	-21.55	peak

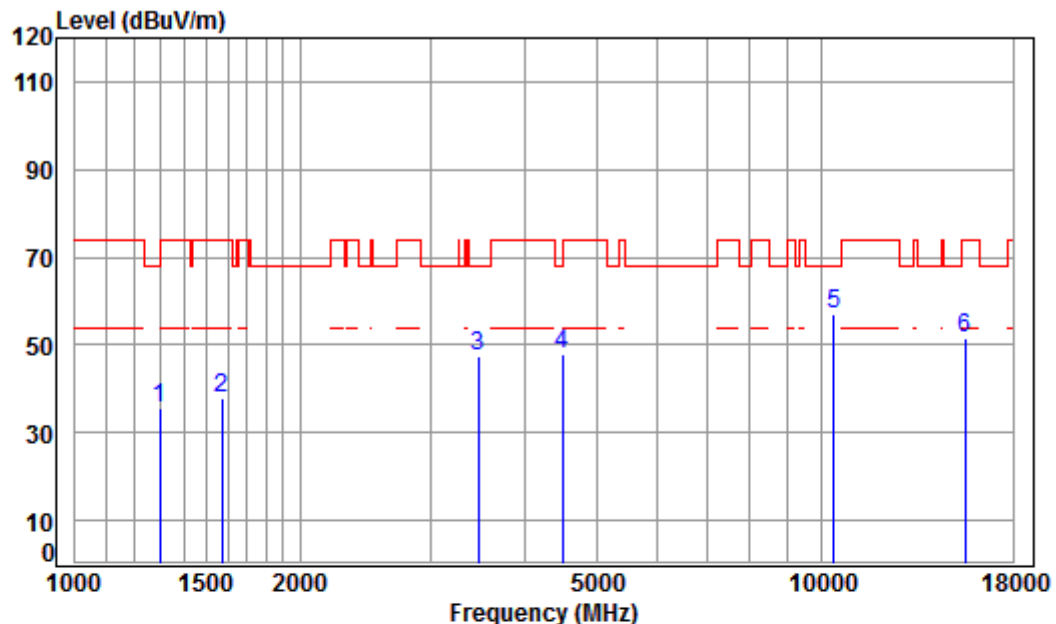


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 206 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	43.96	35.66	74.00	-38.34	peak
2	1574.265	5.38	26.14	38.03	44.56	38.05	74.00	-35.95	peak
3	3465.510	6.43	32.14	37.95	46.91	47.53	68.20	-20.67	peak
4	4495.125	7.55	33.60	38.26	45.11	48.00	68.20	-20.20	peak
5	pp10360.000	11.19	37.24	35.09	43.84	57.18	68.20	-11.02	peak
6	15540.000	14.30	41.38	38.30	34.13	51.51	74.00	-22.49	peak

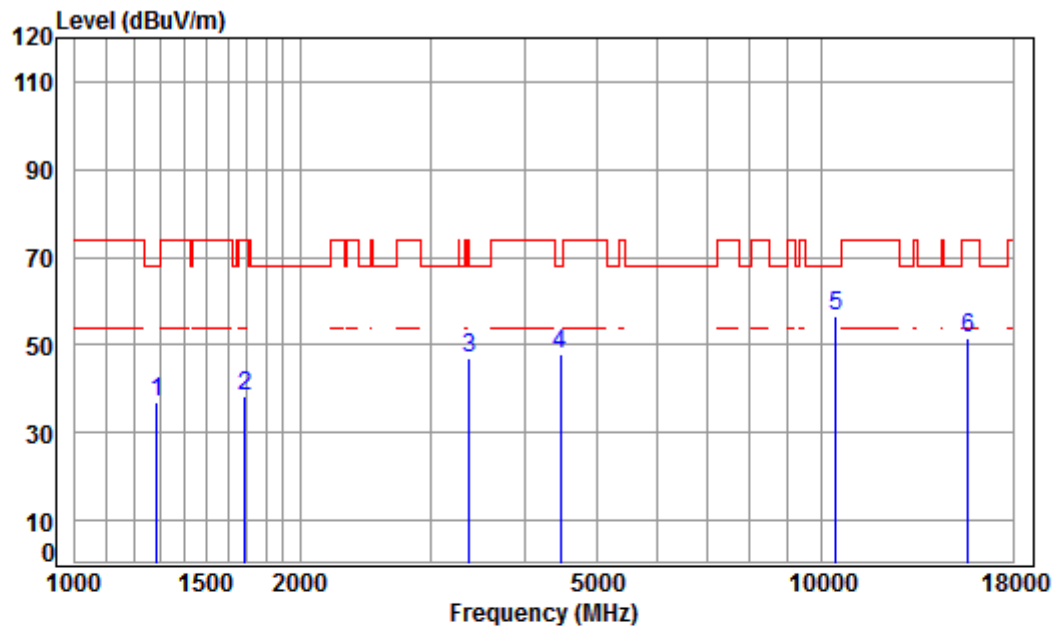


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 207 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

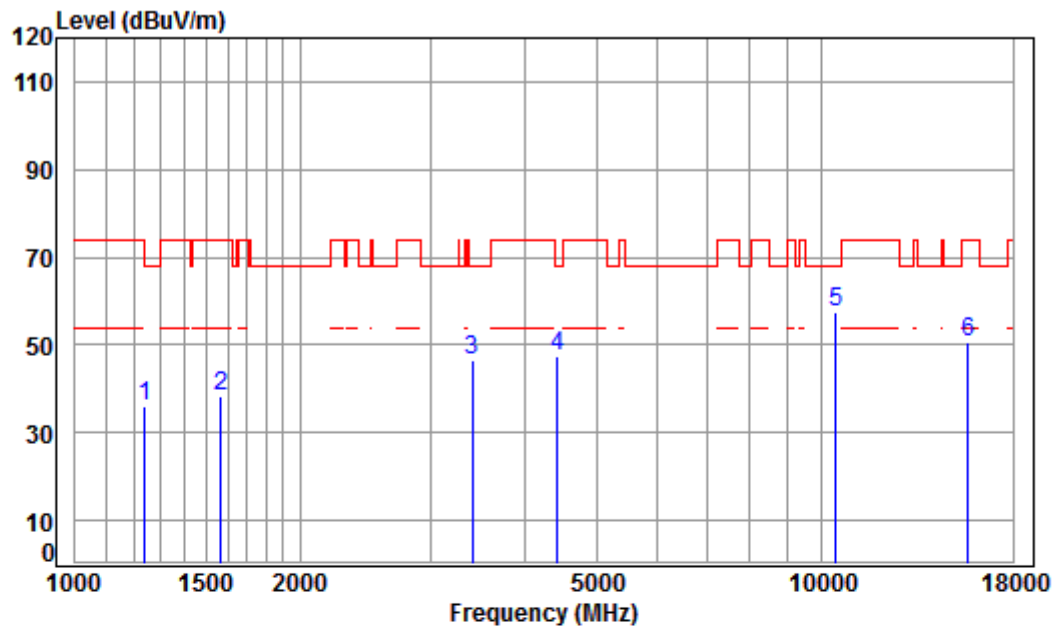
Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	45.47	37.05	68.20	-31.15	peak
2	1687.347	5.24	26.62	38.02	44.62	38.46	74.00	-35.54	peak
3	3366.778	6.34	31.97	37.94	46.67	47.04	68.20	-21.16	peak
4	4469.214	7.53	33.60	38.25	45.18	48.06	68.20	-20.14	peak
5	pp10440.000	11.25	37.16	35.13	43.23	56.51	68.20	-11.69	peak
6	15660.000	14.48	41.34	38.17	33.74	51.39	74.00	-22.61	peak



Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

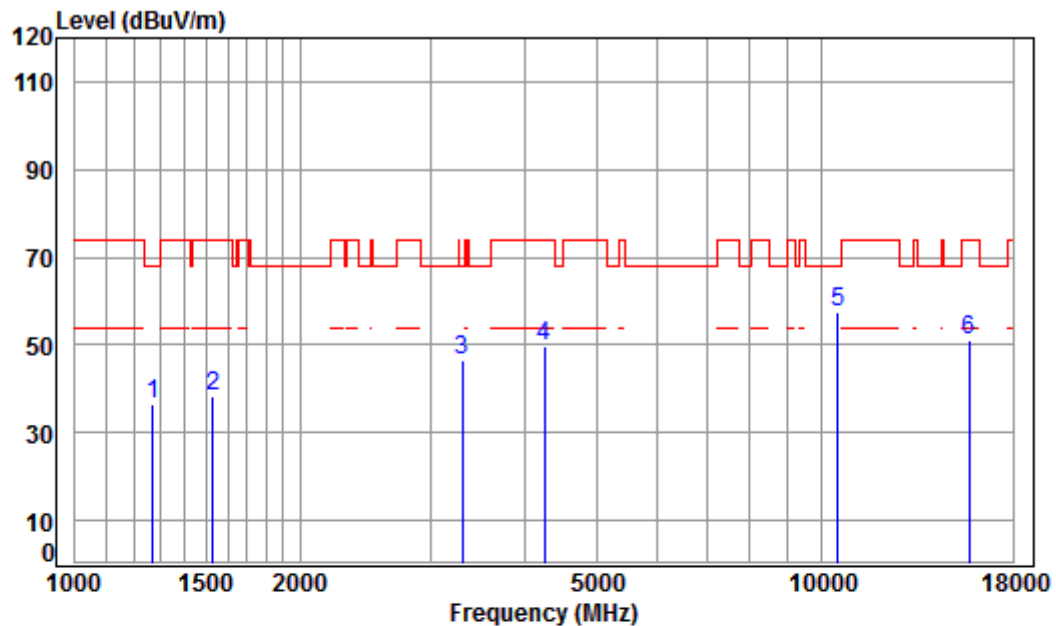
Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	44.87	36.04	74.00	-37.96	peak
2	1569.721	5.39	26.12	38.03	44.86	38.34	74.00	-35.66	peak
3	3405.929	6.38	32.04	37.94	46.18	46.66	68.20	-21.54	peak
4	4417.841	7.47	33.60	38.22	44.65	47.50	68.20	-20.70	peak
5	pp10440.000	11.25	37.16	35.13	44.37	57.65	68.20	-10.55	peak
6	15660.000	14.48	41.34	38.17	32.98	50.63	74.00	-23.37	peak



Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.88	36.32	68.20	-31.88	peak
2	1529.414	5.44	25.94	38.04	44.96	38.30	74.00	-35.70	peak
3	3299.344	6.28	31.86	37.93	46.18	46.39	68.20	-21.81	peak
4	4242.641	7.27	33.60	38.13	46.86	49.60	74.00	-24.40	peak
5	pp10480.000	11.28	37.12	35.15	44.27	57.52	68.20	-10.68	peak
6	15720.000	14.57	41.31	38.10	33.41	51.19	74.00	-22.81	peak

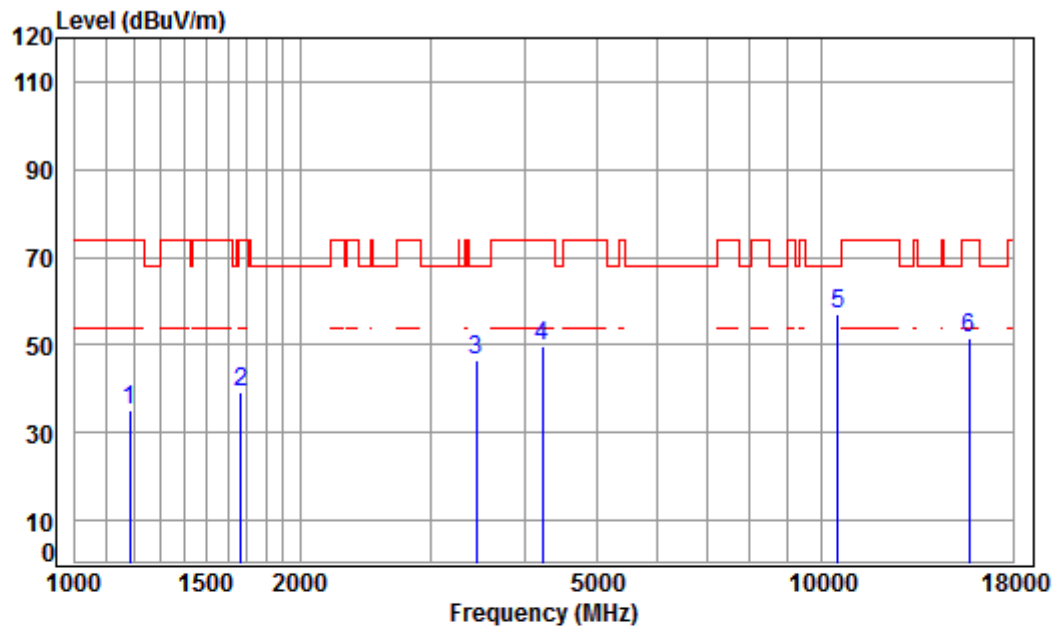


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 210 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	4.36	24.41	38.08	44.59	35.28	74.00	-38.72	peak
2	1667.951	5.27	26.54	38.03	45.23	39.01	74.00	-34.99	peak
3	3445.535	6.41	32.11	37.95	45.88	46.45	68.20	-21.75	peak
4	4218.186	7.24	33.60	38.12	47.08	49.80	74.00	-24.20	peak
5	pp10480.000	11.28	37.12	35.15	43.82	57.07	68.20	-11.13	peak
6	15720.000	14.57	41.31	38.10	33.83	51.61	74.00	-22.39	peak

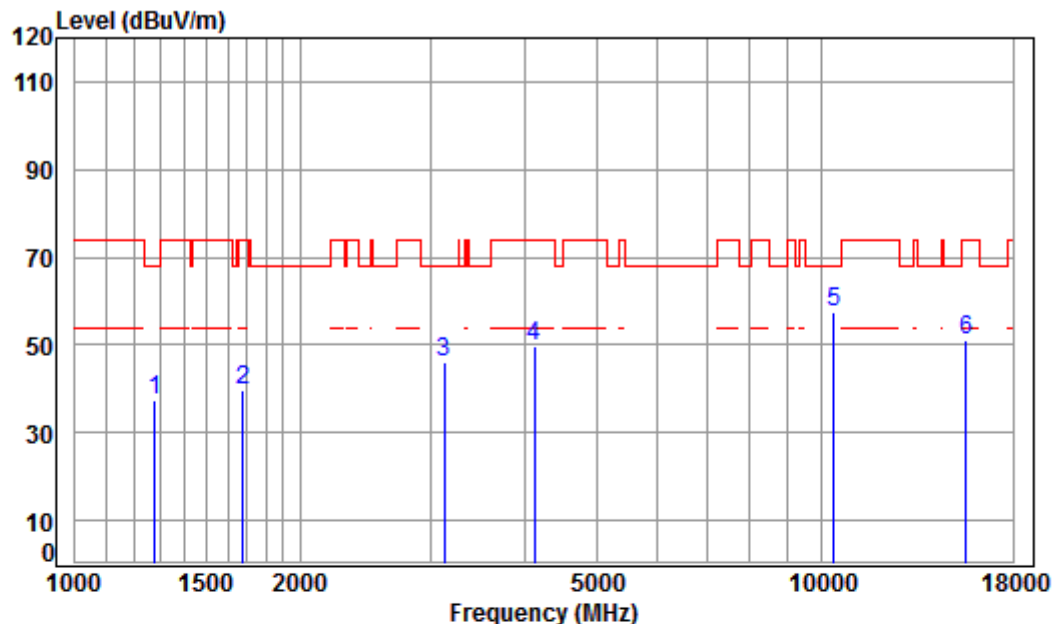


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 211 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	45.93	37.44	68.20	-30.76	peak
2	1677.621	5.25	26.58	38.03	45.72	39.52	74.00	-34.48	peak
3	3123.039	6.11	31.53	37.91	46.14	45.87	68.20	-22.33	peak
4	4121.768	7.13	33.60	38.07	47.01	49.67	74.00	-24.33	peak
5	pp10380.000	11.21	37.22	35.10	44.08	57.41	68.20	-10.79	peak
6	15570.000	14.35	41.37	38.26	33.61	51.07	74.00	-22.93	peak

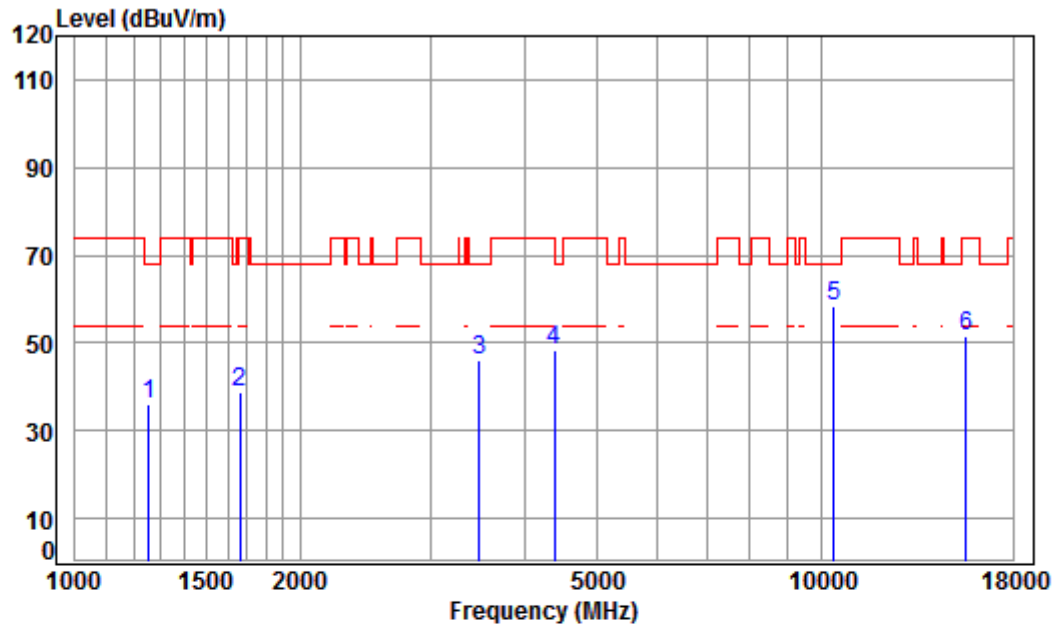


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 212 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.75	38.07	44.87	36.19	68.20	-32.01	peak
2	1663.137	5.27	26.52	38.03	44.86	38.62	74.00	-35.38	peak
3	3475.541	6.44	32.16	37.95	45.54	46.19	68.20	-22.01	peak
4	4379.699	7.43	33.60	38.20	45.69	48.52	74.00	-25.48	peak
5	pp10380.000	11.21	37.22	35.10	44.87	58.20	68.20	-10.00	peak
6	15570.000	14.35	41.37	38.26	33.97	51.43	74.00	-22.57	peak

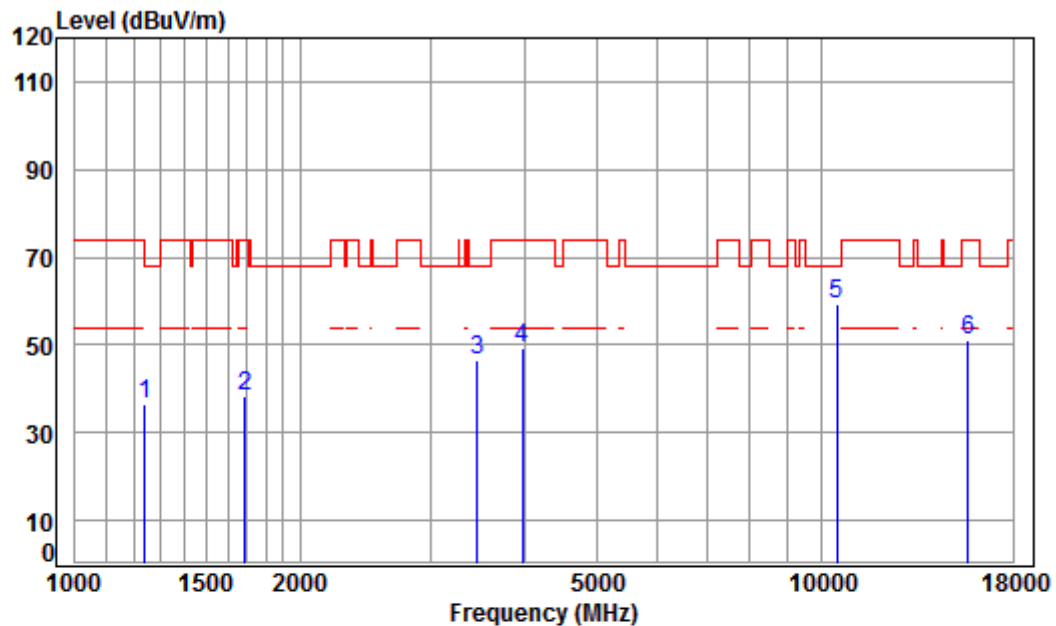


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 213 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	45.22	36.39	74.00	-37.61	peak
2	1687.347	5.24	26.62	38.02	44.71	38.55	74.00	-35.45	peak
3	3455.508	6.42	32.13	37.95	46.11	46.71	68.20	-21.49	peak
4	3969.767	6.95	33.52	38.00	46.92	49.39	74.00	-24.61	peak
5	pp10460.000	11.26	37.14	35.14	45.83	59.09	68.20	-9.11	peak
6	15690.000	14.53	41.32	38.13	33.17	50.89	74.00	-23.11	peak

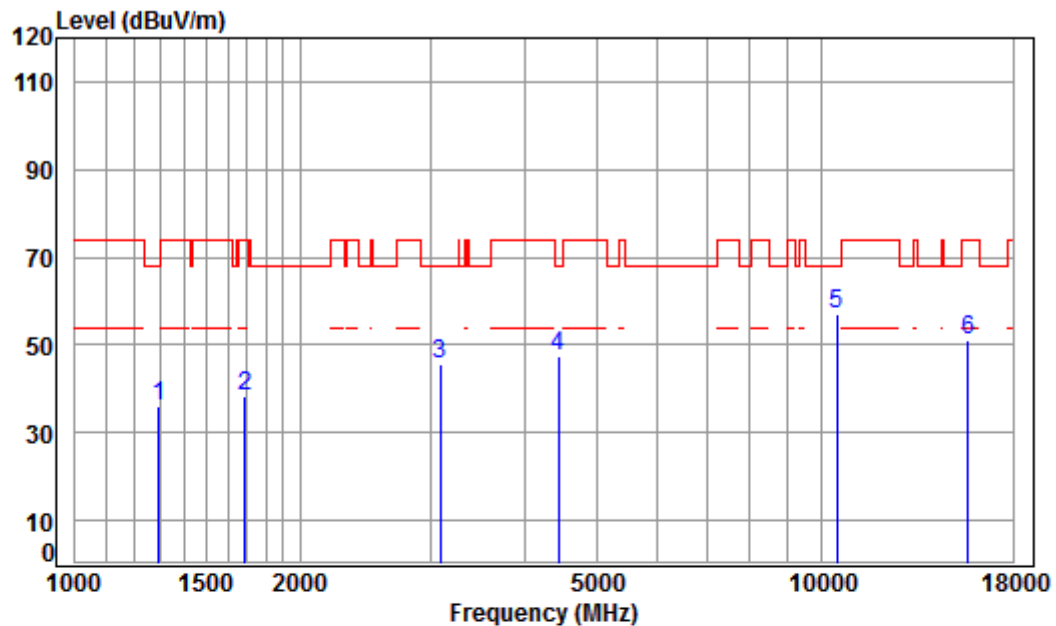


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 214 of 583

Mode:a; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	44.55	36.18	68.20	-32.02	peak
2	1687.347	5.24	26.62	38.02	44.41	38.25	74.00	-35.75	peak
3	3087.140	6.07	31.47	37.91	45.89	45.52	68.20	-22.68	peak
4	4430.628	7.48	33.60	38.23	44.50	47.35	68.20	-20.85	peak
5	pp10460.000	11.26	37.14	35.14	43.87	57.13	68.20	-11.07	peak
6	15690.000	14.53	41.32	38.13	33.58	51.30	74.00	-22.70	peak

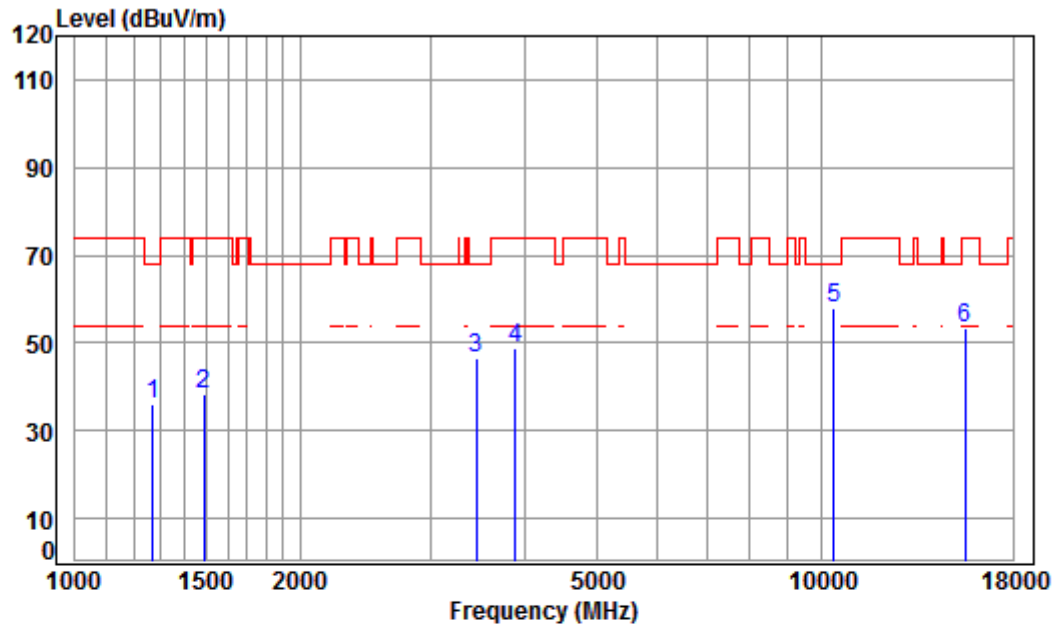


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 215 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.61	36.05	68.20	-32.15	peak
2	1490.142	5.45	25.76	38.04	45.22	38.39	74.00	-35.61	peak
3	3445.535	6.41	32.11	37.95	45.77	46.34	68.20	-21.86	peak
4	3890.255	6.87	33.31	37.99	46.55	48.74	74.00	-25.26	peak
5	pp10360.000	11.19	37.24	35.09	44.77	58.11	68.20	-10.09	peak
6	15540.000	14.30	41.38	38.30	35.97	53.35	74.00	-20.65	peak

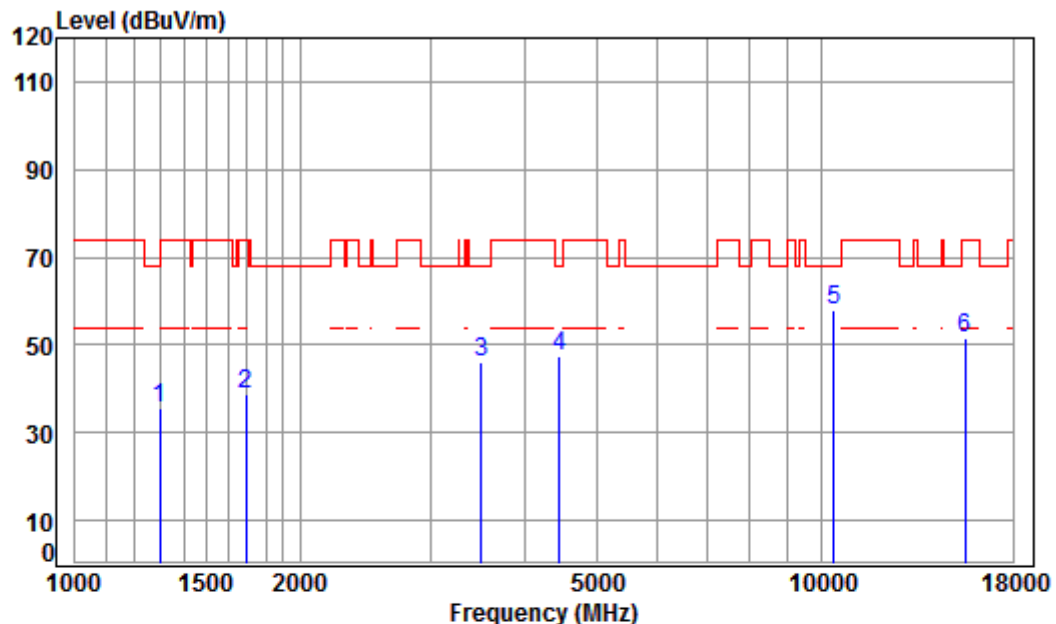


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 216 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	44.11	35.81	74.00	-38.19	peak
2	1692.231	5.24	26.64	38.02	45.11	38.97	74.00	-35.03	peak
3	3495.691	6.46	32.19	37.95	45.32	46.02	68.20	-22.18	peak
4	4456.315	7.51	33.60	38.24	44.78	47.65	68.20	-20.55	peak
5	pp10360.000	11.19	37.24	35.09	44.58	57.92	68.20	-10.28	peak
6	15540.000	14.30	41.38	38.30	33.99	51.37	74.00	-22.63	peak

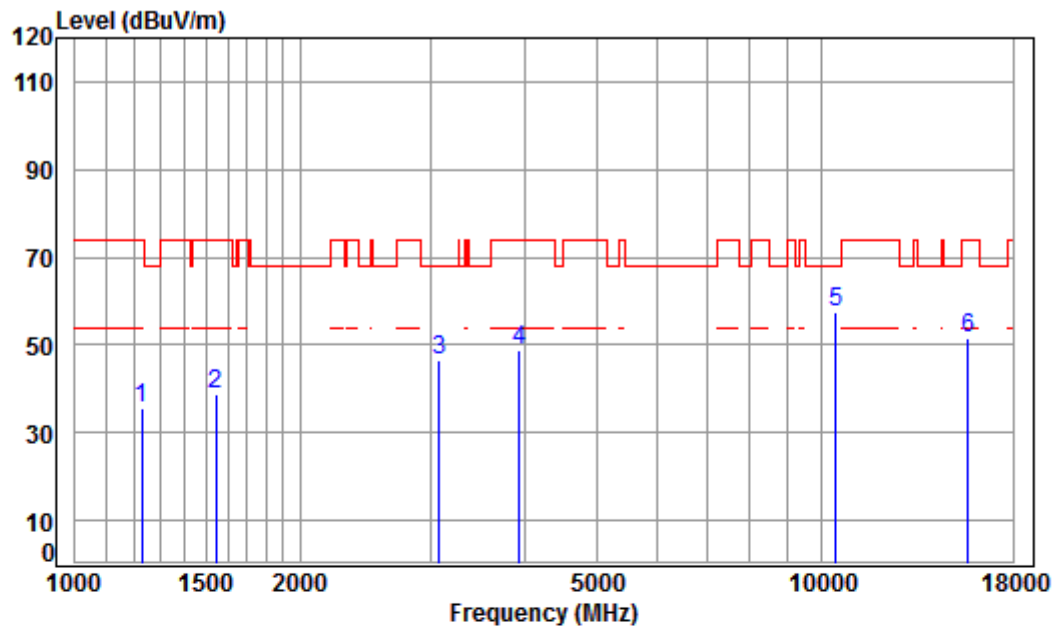


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 217 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

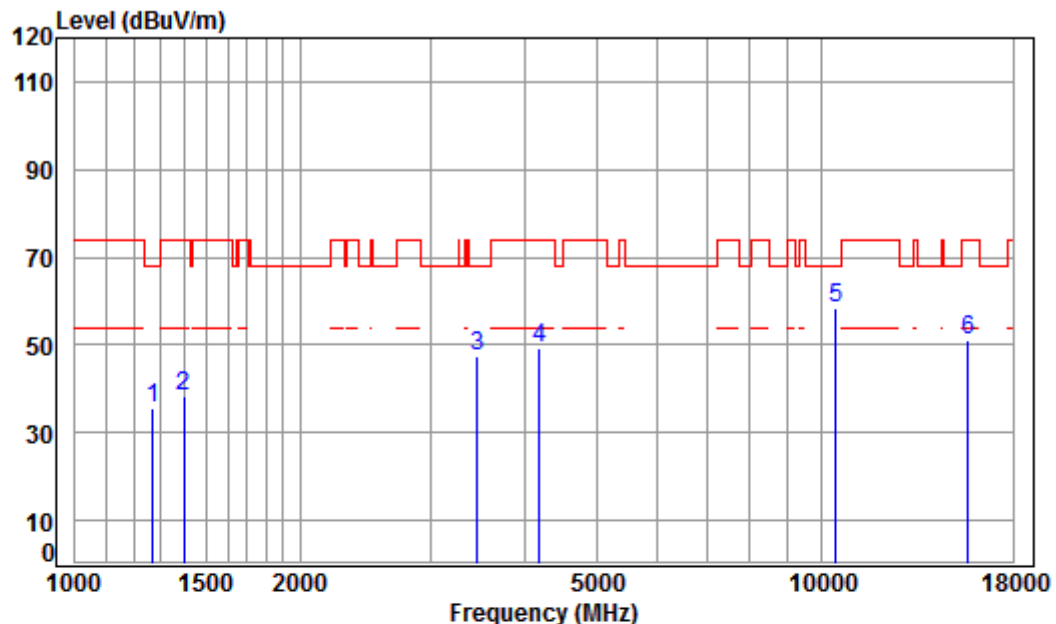
Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.58	35.65	74.00	-38.35	peak
2	1542.733	5.42	26.00	38.04	45.28	38.66	74.00	-35.34	peak
3	3069.345	6.05	31.43	37.91	46.97	46.54	68.20	-21.66	peak
4	3935.493	6.92	33.43	37.99	46.43	48.79	74.00	-25.21	peak
5	pp10440.000	11.25	37.16	35.13	44.18	57.46	68.20	-10.74	peak
6	15660.000	14.48	41.34	38.17	33.76	51.41	74.00	-22.59	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

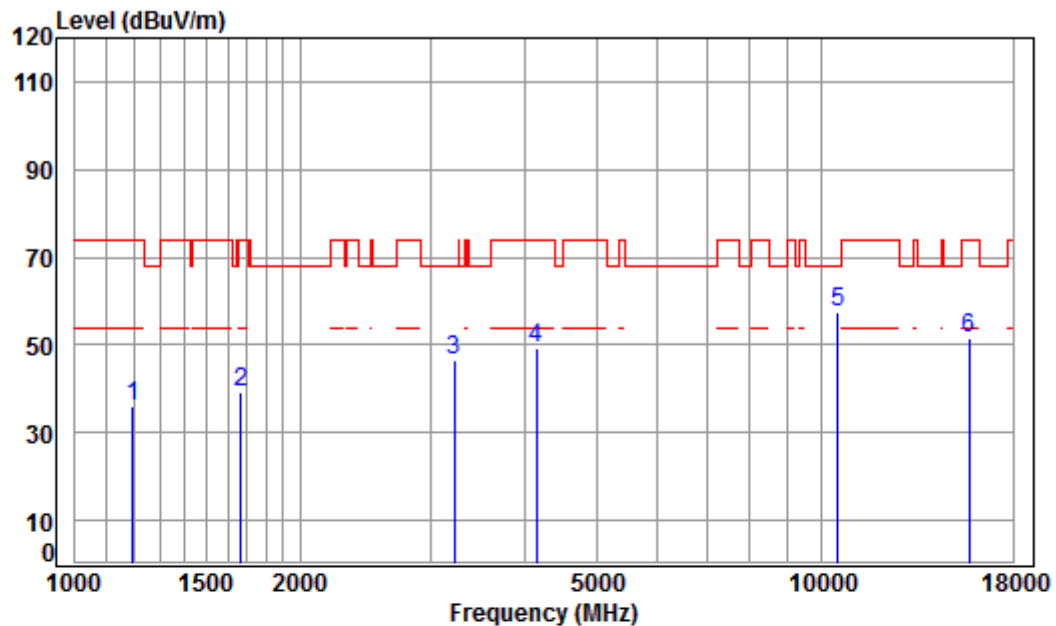
Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.35	35.79	68.20	-32.41	peak
2	1398.336	5.15	25.38	38.05	45.68	38.16	74.00	-35.84	peak
3	3455.508	6.42	32.13	37.95	46.78	47.38	68.20	-20.82	peak
4	4181.768	7.20	33.60	38.10	46.50	49.20	74.00	-24.80	peak
5	pp10440.000	11.25	37.16	35.13	44.94	58.22	68.20	-9.98	peak
6	15660.000	14.48	41.34	38.17	33.54	51.19	74.00	-22.81	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	38.07	45.12	35.91	74.00	-38.09	peak
2	1667.951	5.27	26.54	38.03	45.54	39.32	74.00	-34.68	peak
3	3214.623	6.20	31.70	37.92	46.39	46.37	68.20	-21.83	peak
4	4145.664	7.16	33.60	38.08	46.66	49.34	74.00	-24.66	peak
5	pp10480.000	11.28	37.12	35.15	44.47	57.72	68.20	-10.48	peak
6	15720.000	14.57	41.31	38.10	33.58	51.36	74.00	-22.64	peak

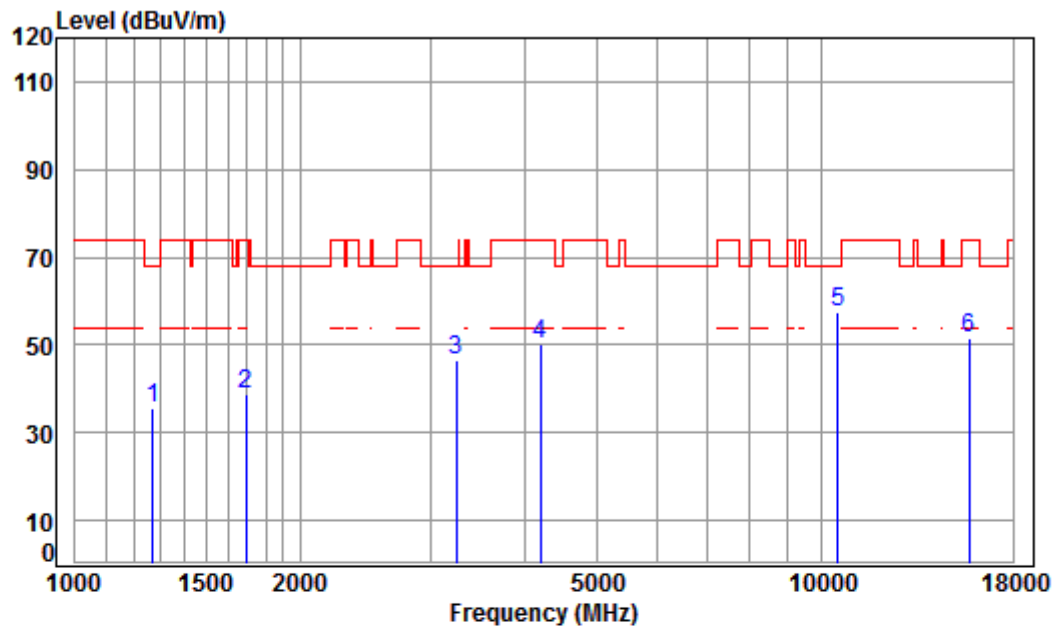


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 220 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

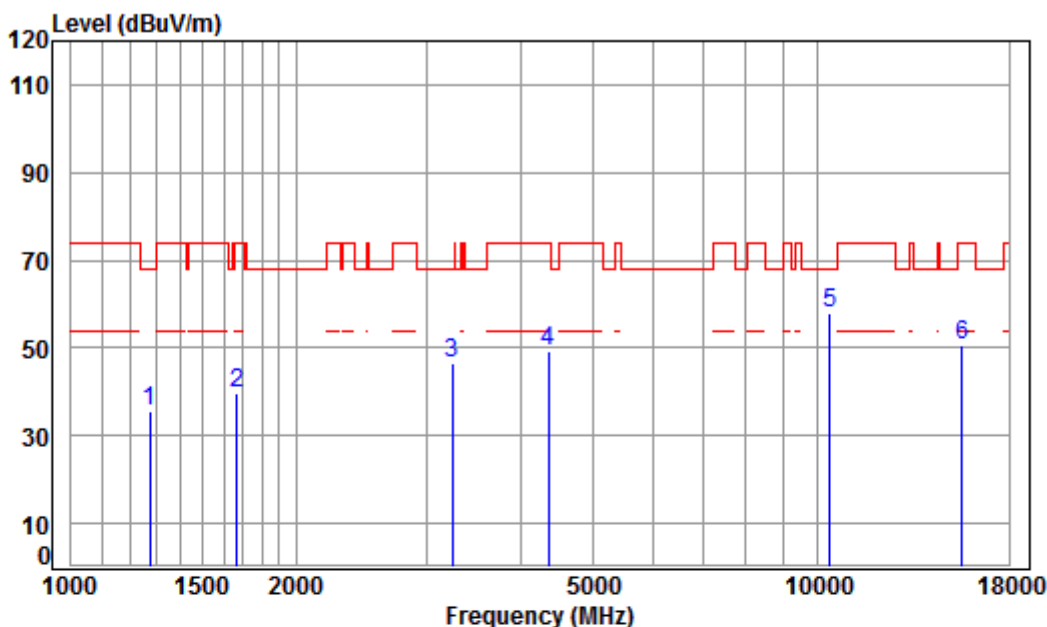
Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.19	35.63	68.20	-32.57	peak
2	1692.231	5.24	26.64	38.02	44.97	38.83	74.00	-35.17	peak
3	3242.619	6.22	31.75	37.93	46.61	46.65	68.20	-21.55	peak
4	4193.872	7.21	33.60	38.11	47.34	50.04	74.00	-23.96	peak
5	pp10480.000	11.28	37.12	35.15	44.15	57.40	68.20	-10.80	peak
6	15720.000	14.57	41.31	38.10	33.64	51.42	74.00	-22.58	peak



Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	43.95	35.44	68.20	-32.76	peak
2	1667.951	5.27	26.54	38.03	45.99	39.77	74.00	-34.23	peak
3	3242.619	6.22	31.75	37.93	46.27	46.31	68.20	-21.89	peak
4	4354.454	7.40	33.60	38.19	46.57	49.38	74.00	-24.62	peak
5	pp10380.000	11.21	37.22	35.10	44.59	57.92	68.20	-10.28	peak
6	15570.000	14.35	41.37	38.26	33.15	50.61	74.00	-23.39	peak

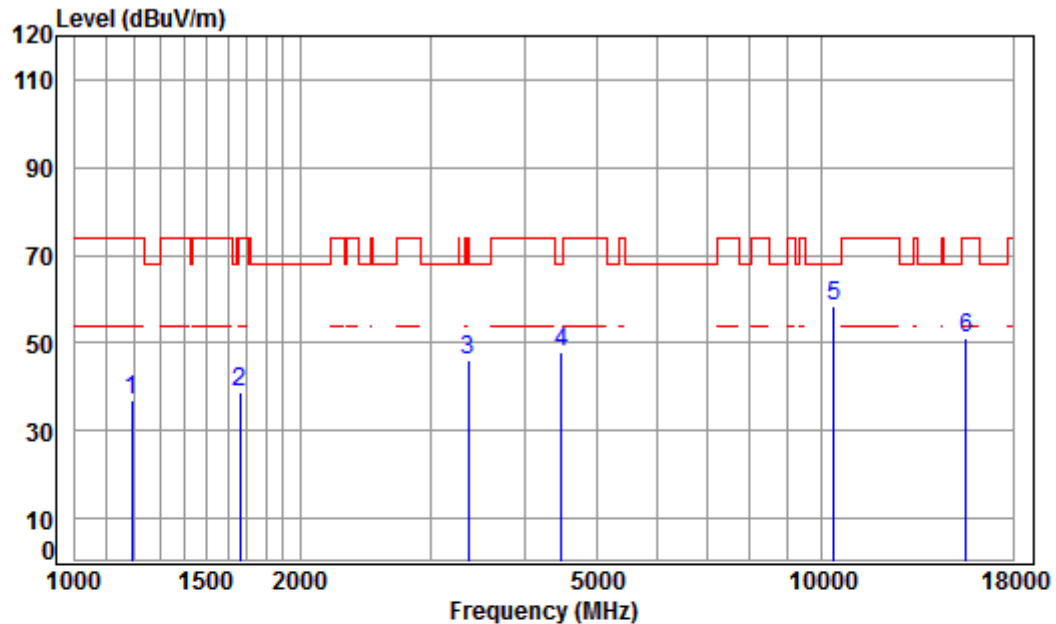


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 222 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	46.38	37.14	74.00	-36.86	peak
2	1663.137	5.27	26.52	38.03	45.16	38.92	74.00	-35.08	peak
3	3357.061	6.33	31.96	37.94	45.59	45.94	74.00	-28.06	peak
4	4482.150	7.54	33.60	38.26	45.14	48.02	68.20	-20.18	peak
5	pp10380.000	11.21	37.22	35.10	44.95	58.28	68.20	-9.92	peak
6	15570.000	14.35	41.37	38.26	33.61	51.07	74.00	-22.93	peak

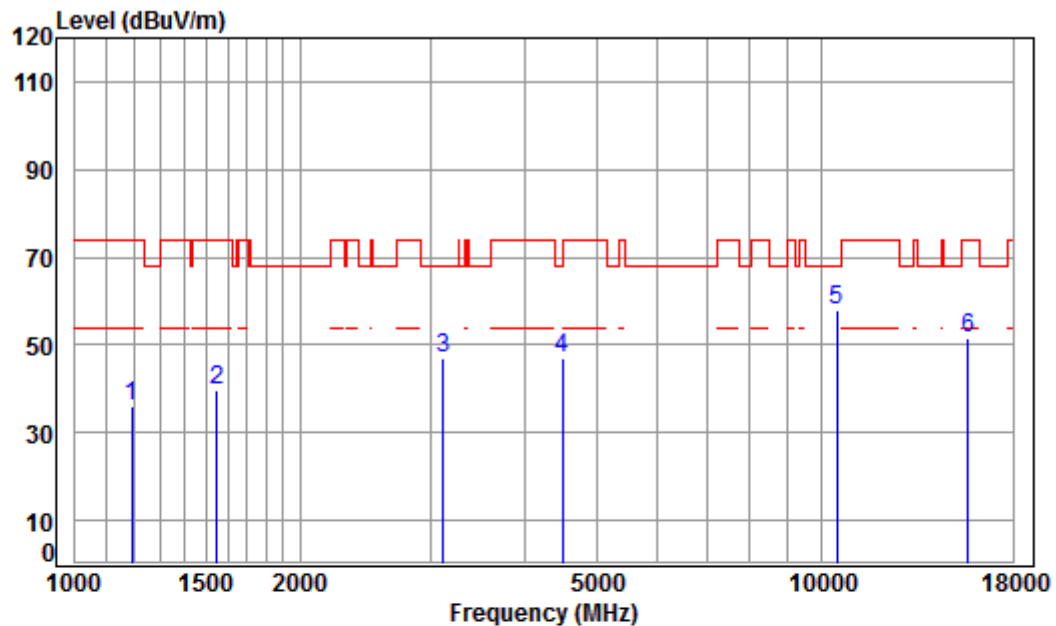


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 223 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

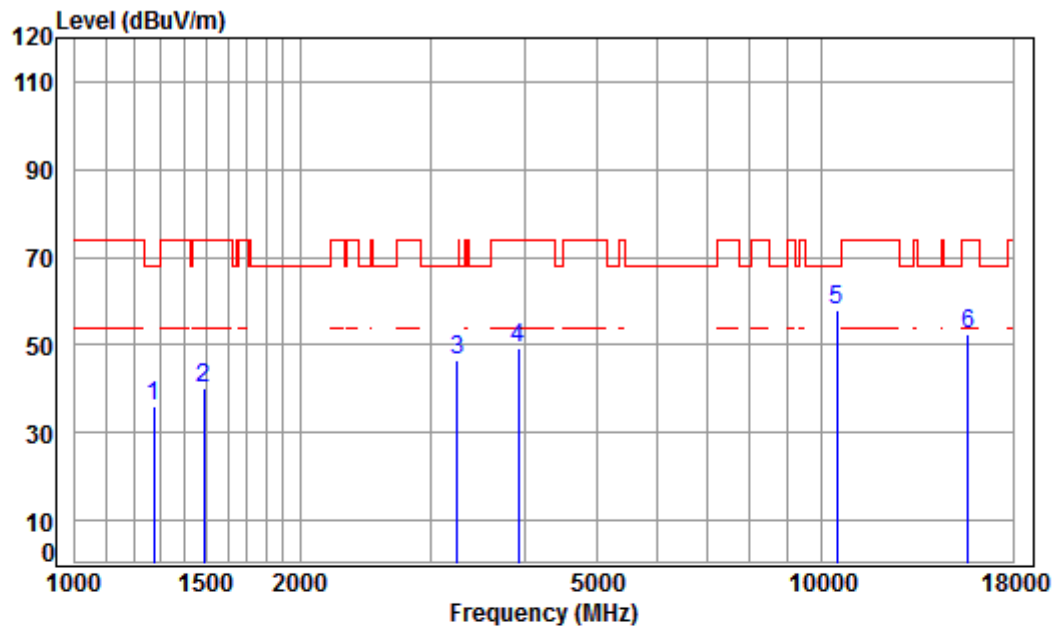
Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.08	35.84	74.00	-38.16	peak
2	1547.199	5.42	26.02	38.04	46.18	39.58	74.00	-34.42	peak
3	3114.025	6.10	31.52	37.91	47.17	46.88	68.20	-21.32	peak
4	4495.125	7.55	33.60	38.26	44.30	47.19	68.20	-21.01	peak
5	pp10460.000	11.26	37.14	35.14	44.72	57.98	68.20	-10.22	peak
6	15690.000	14.53	41.32	38.13	33.89	51.61	74.00	-22.39	peak



Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.50	35.99	68.20	-32.21	peak
2	1485.841	5.43	25.74	38.04	47.12	40.25	74.00	-33.75	peak
3	3252.005	6.23	31.77	37.93	46.44	46.51	68.20	-21.69	peak
4	3924.135	6.91	33.40	37.99	46.85	49.17	74.00	-24.83	peak
5	pp10460.000	11.26	37.14	35.14	44.57	57.83	68.20	-10.37	peak
6	15690.000	14.53	41.32	38.13	34.60	52.32	74.00	-21.68	peak

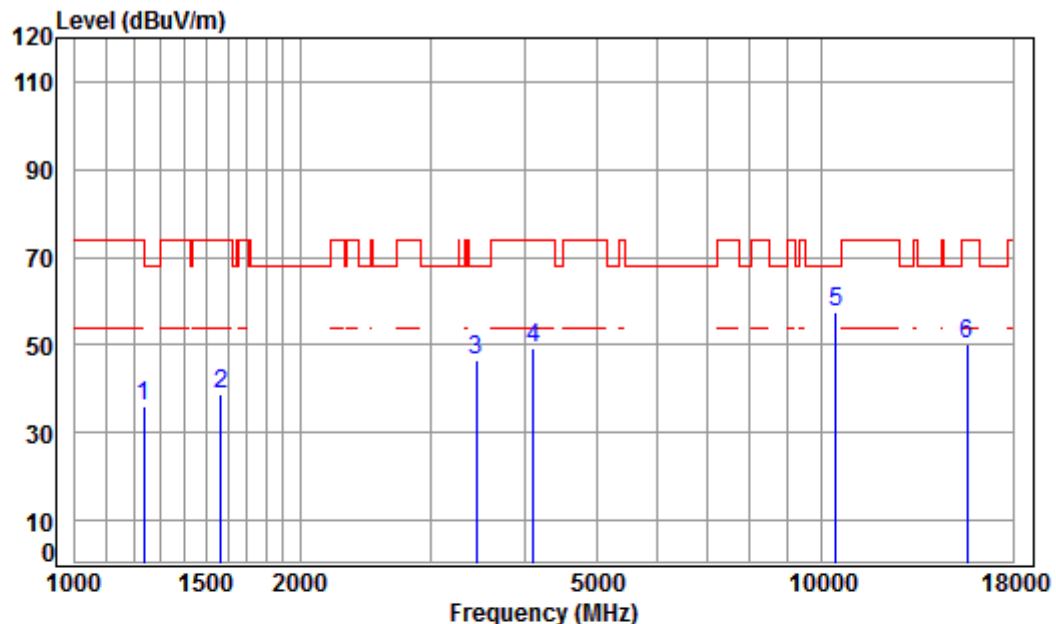


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 225 of 583

Mode:a; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	44.89	36.02	74.00	-37.98	peak
2	1569.721	5.39	26.12	38.03	45.31	38.79	74.00	-35.21	peak
3	3445.535	6.41	32.11	37.95	46.10	46.67	68.20	-21.53	peak
4	4109.872	7.11	33.60	38.06	46.46	49.11	74.00	-24.89	peak
5	pp10420.000	11.24	37.18	35.12	44.00	57.30	68.20	-10.90	peak
6	15630.000	14.44	41.35	38.20	32.78	50.37	74.00	-23.63	peak

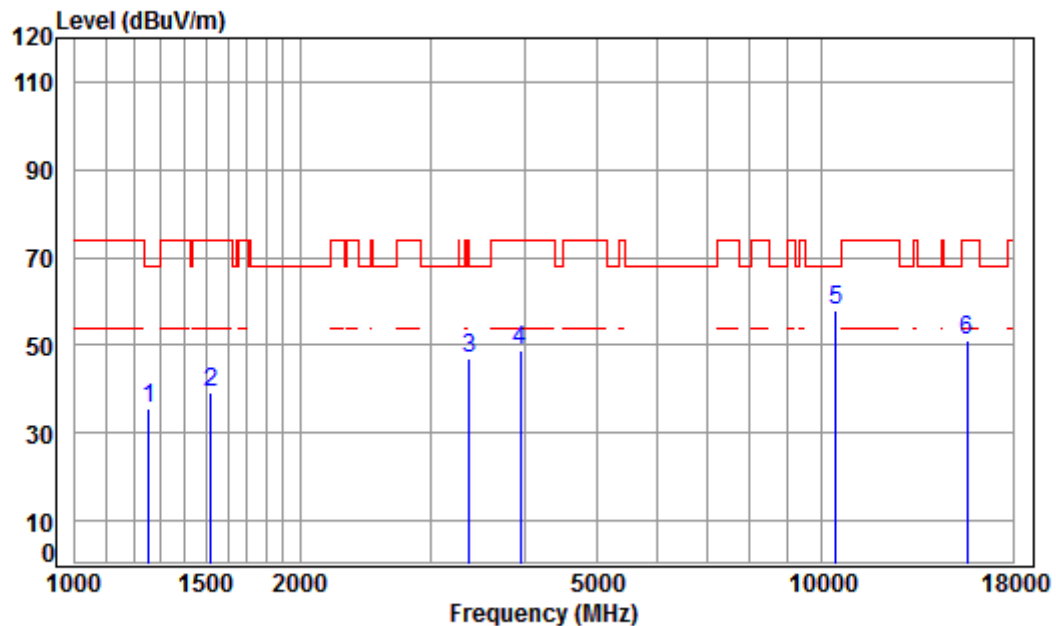


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 226 of 583

Mode:a; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.75	38.07	44.32	35.64	68.20	-32.56	peak
2	1520.598	5.45	25.89	38.04	46.02	39.32	74.00	-34.68	peak
3	3366.778	6.34	31.97	37.94	46.51	46.88	68.20	-21.32	peak
4	3946.885	6.93	33.46	38.00	46.56	48.95	74.00	-25.05	peak
5	pp10420.000	11.24	37.18	35.12	44.75	58.05	68.20	-10.15	peak
6	15630.000	14.44	41.35	38.20	33.46	51.05	74.00	-22.95	peak

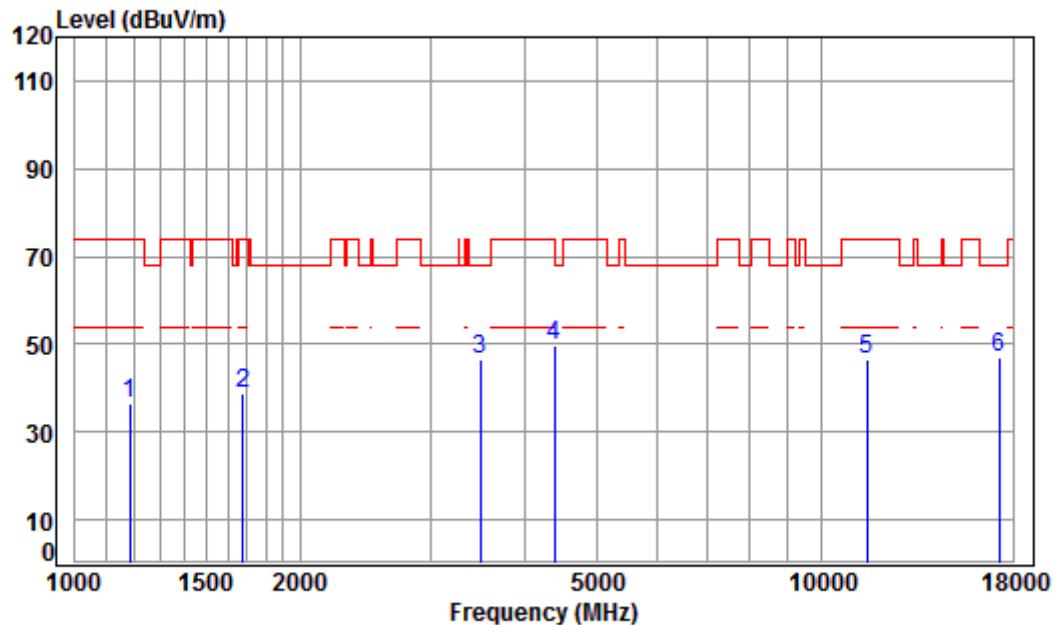


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 227 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

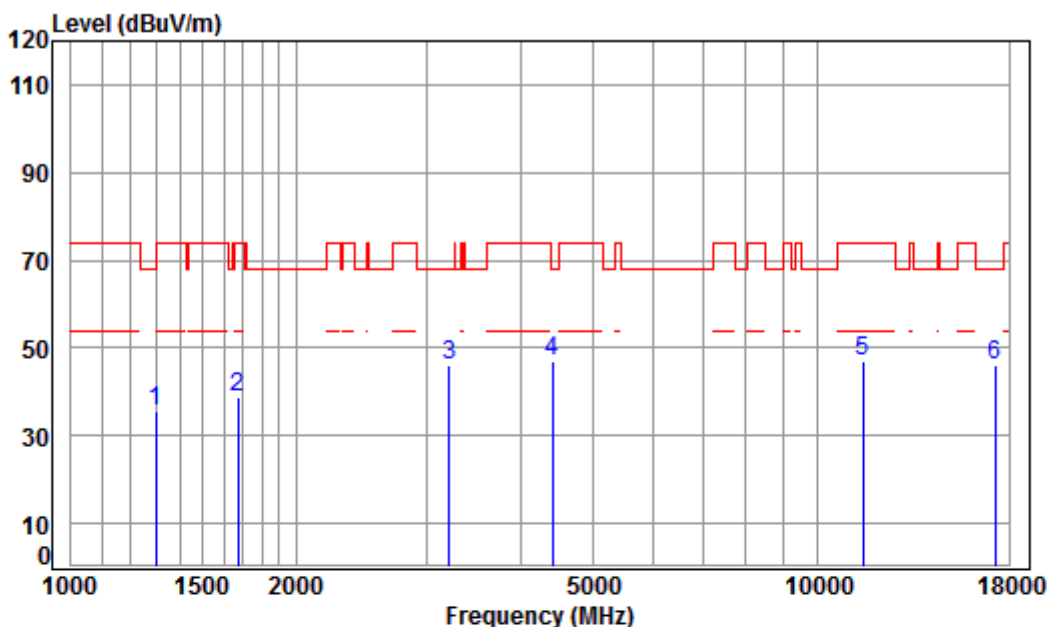
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	4.36	24.41	41.17	49.08	36.68	74.00	-37.32	peak
2	1677.621	5.25	26.58	41.52	48.35	38.66	74.00	-35.34	peak
3	3485.601	6.45	32.18	42.22	50.28	46.69	68.20	-21.51	peak
4	4379.699	7.43	33.60	42.40	51.06	49.69	74.00	-24.31	peak
5	11490.000	12.13	38.09	38.19	34.69	46.72	74.00	-27.28	peak
6	pp17235.000	16.18	43.08	40.48	28.42	47.20	68.20	-21.00	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

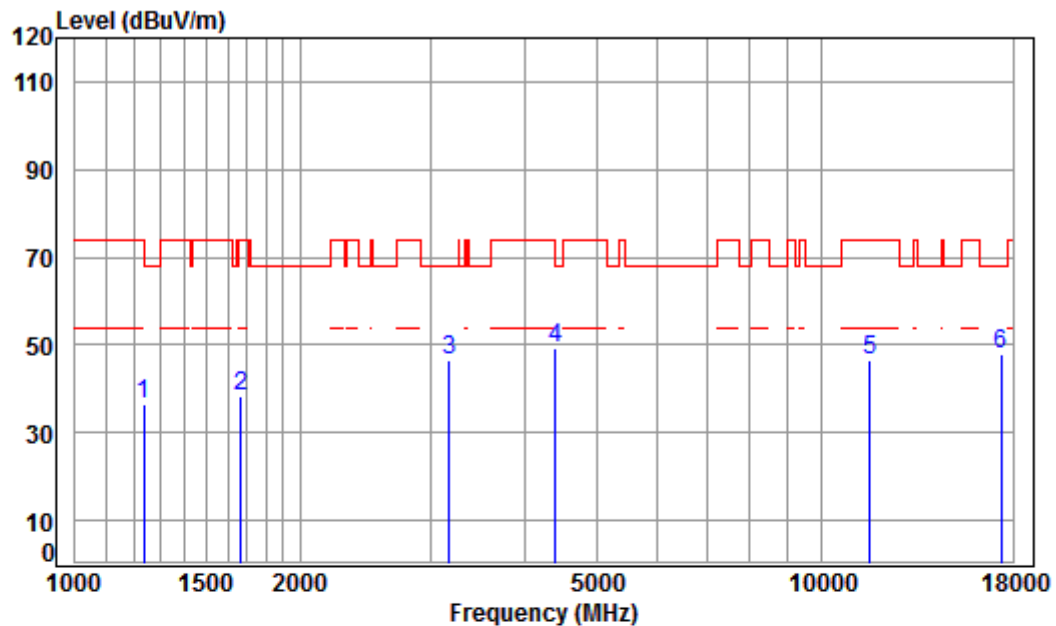
Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	47.05	35.55	74.00	-38.45	peak
2	1672.779	5.26	26.56	41.52	48.69	38.99	74.00	-35.01	peak
3	3205.345	6.19	31.69	42.15	50.33	46.06	68.20	-22.14	peak
4 pp	4405.090	7.46	33.60	42.40	48.26	46.92	68.20	-21.28	peak
5	11490.000	12.13	38.09	38.19	34.83	46.86	74.00	-27.14	peak
6	17235.000	16.18	43.08	40.48	27.29	46.07	68.20	-22.13	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

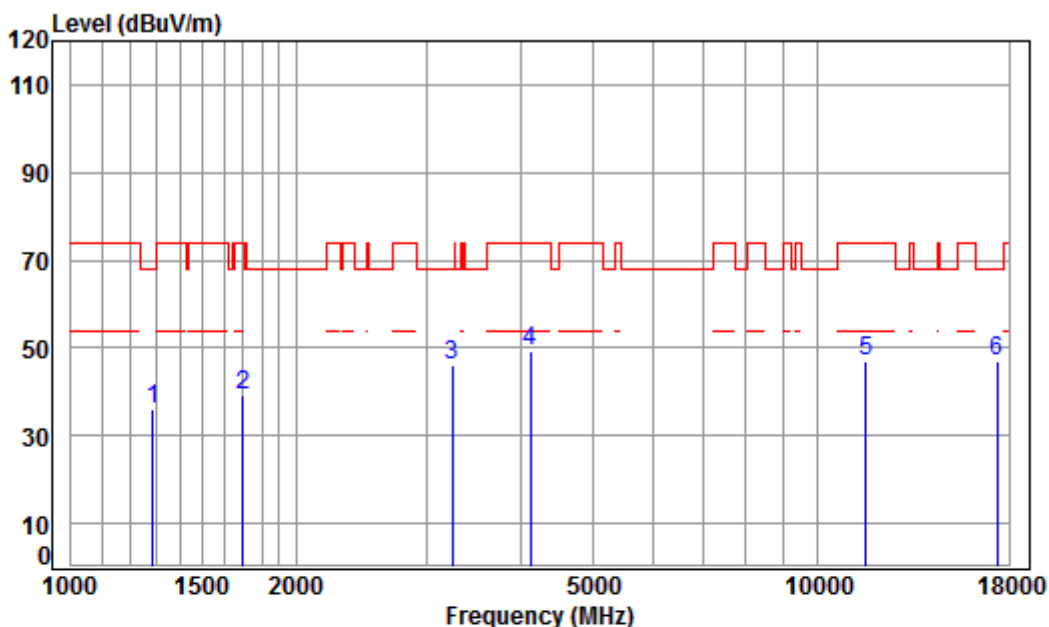
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	41.21	48.38	36.37	74.00	-37.63	peak
2	1667.951	5.27	26.54	41.51	48.12	38.42	74.00	-35.58	peak
3	3168.500	6.15	31.62	42.14	50.99	46.62	68.20	-21.58	peak
4	4392.376	7.44	33.60	42.40	50.47	49.11	74.00	-24.89	peak
5	11570.000	12.17	38.17	38.24	34.38	46.48	74.00	-27.52	peak
6	pp17355.000	15.92	43.23	40.58	29.27	47.84	68.20	-20.36	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

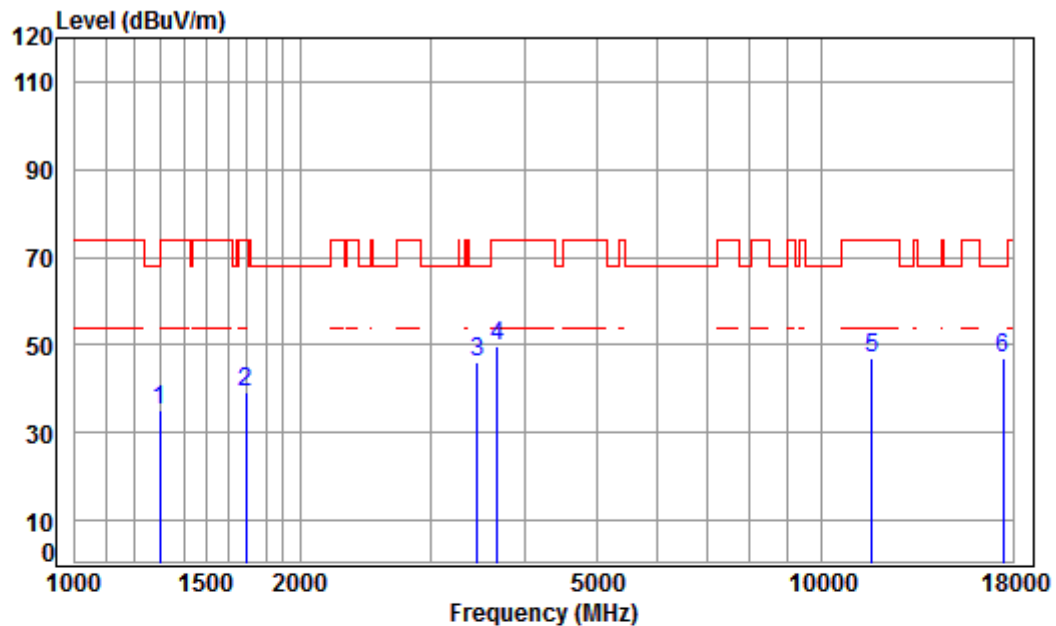
Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	41.25	47.81	36.20	68.20	-32.00	peak
2	1697.129	5.23	26.66	41.53	48.74	39.10	74.00	-34.90	peak
3	3242.619	6.22	31.75	42.16	50.16	45.97	68.20	-22.23	peak
4	4121.768	7.13	33.60	42.35	51.05	49.43	74.00	-24.57	peak
5	11570.000	12.17	38.17	38.24	34.88	46.98	74.00	-27.02	peak
6	pp17355.000	15.92	43.23	40.58	28.53	47.10	68.20	-21.10	peak



Mode:b; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

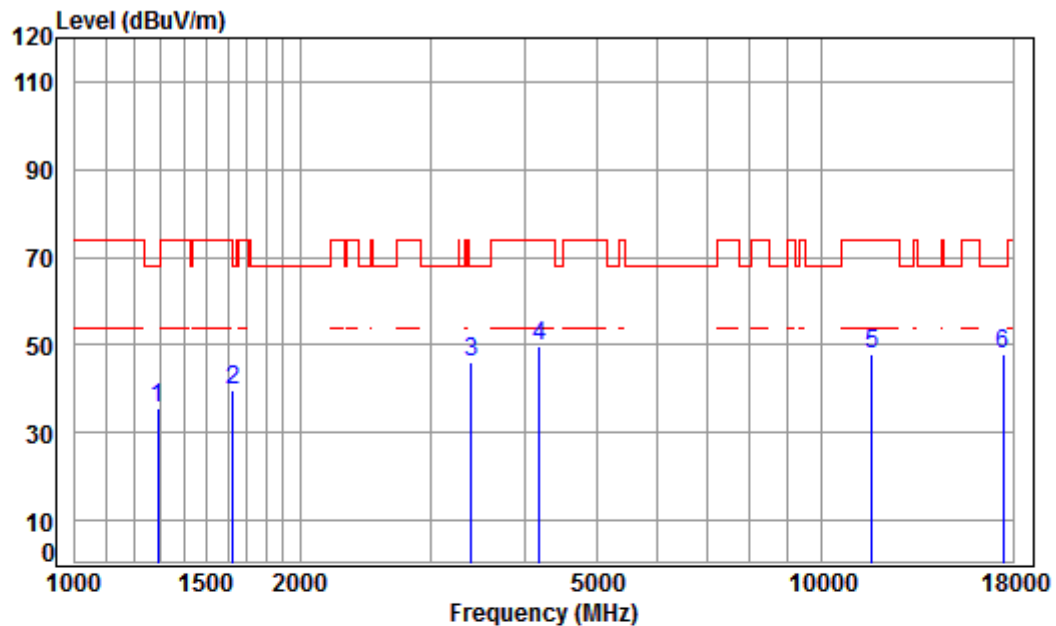
Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	41.26	46.63	35.10	68.20	-33.10	peak
2	1692.231	5.24	26.64	41.53	48.95	39.30	74.00	-34.70	peak
3	3455.508	6.42	32.13	42.21	49.71	46.05	68.20	-22.15	peak
4	3671.746	6.65	32.70	42.26	52.51	49.60	74.00	-24.40	peak
5	11650.000	12.20	38.25	38.29	35.04	47.20	74.00	-26.80	peak
6	pp17475.000	15.65	43.37	40.68	28.74	47.08	68.20	-21.12	peak



Mode:b; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	41.25	47.29	35.71	68.20	-32.49	peak
2	1625.121	5.32	26.36	41.49	49.37	39.56	74.00	-34.44	peak
3	3396.098	6.37	32.02	42.20	49.84	46.03	68.20	-22.17	peak
4	4181.768	7.20	33.60	42.36	51.10	49.54	74.00	-24.46	peak
5	11650.000	12.20	38.25	38.29	35.96	48.12	74.00	-25.88	peak
6	pp17475.000	15.65	43.37	40.68	29.64	47.98	68.20	-20.22	peak

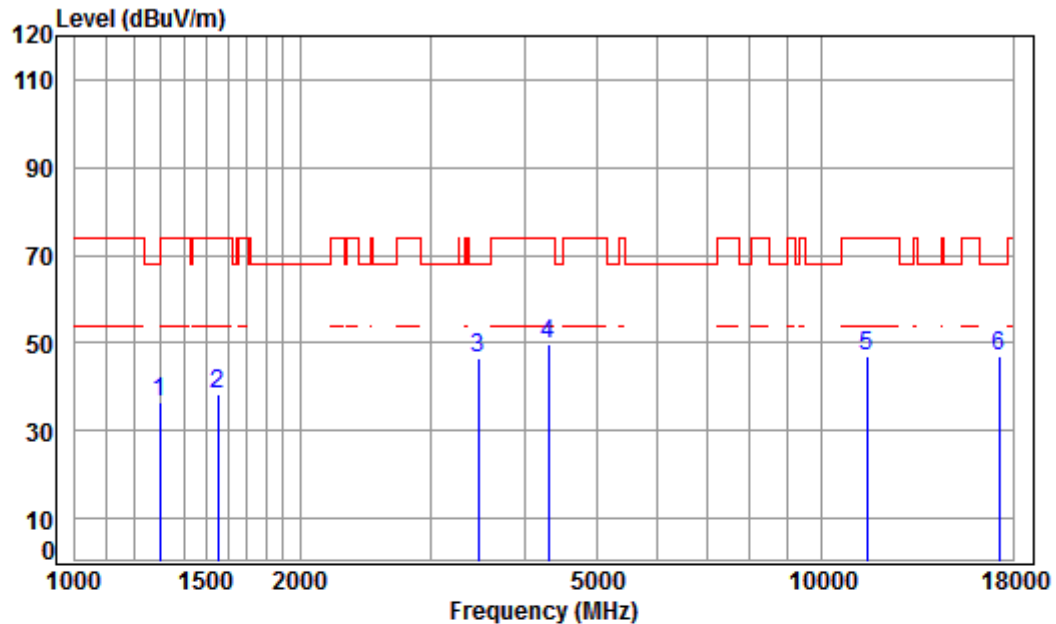


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 233 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

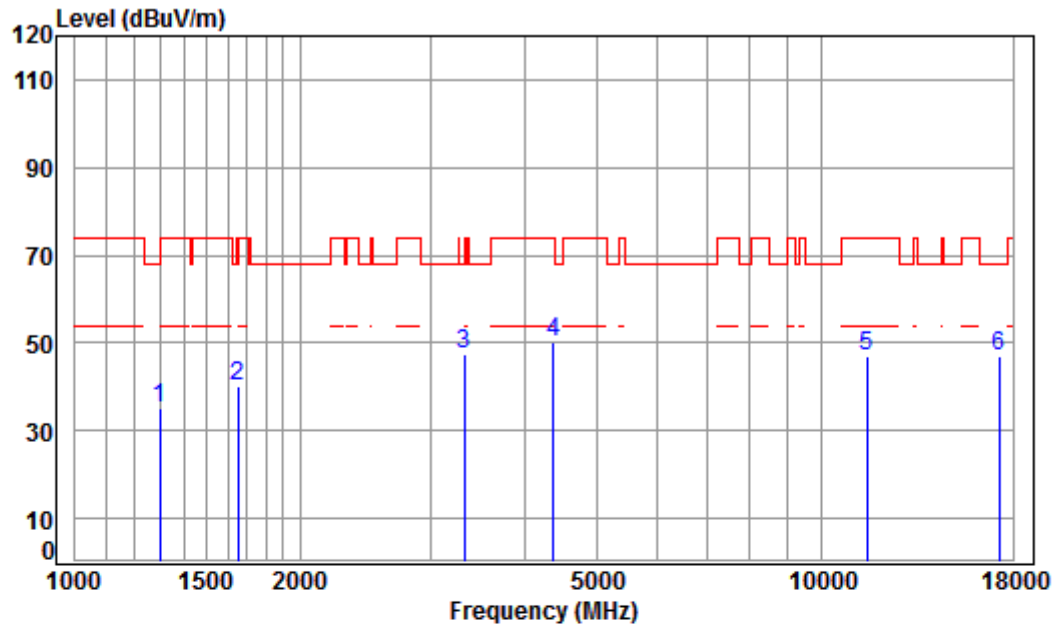
Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	41.26	47.92	36.42	74.00	-37.58	peak
2	1551.677	5.41	26.04	41.44	48.28	38.29	74.00	-35.71	peak
3	3465.510	6.43	32.14	42.21	50.39	46.75	68.20	-21.45	peak
4	4304.400	7.34	33.60	42.38	51.02	49.58	74.00	-24.42	peak
5	11490.000	12.13	38.09	38.19	34.88	46.91	74.00	-27.09	peak
6	17235.000	16.18	43.08	40.48	28.35	47.13	68.20	-21.07	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	41.26	46.77	35.24	68.20	-32.96	peak
2	1653.550	5.28	26.48	41.50	49.76	40.02	68.20	-28.18	peak
3 pp	3318.471	6.29	31.89	42.18	51.61	47.61	68.20	-20.59	peak
4	4367.058	7.41	33.60	42.39	51.73	50.35	74.00	-23.65	peak
5	11490.000	12.13	38.09	38.19	34.90	46.93	74.00	-27.07	peak
6	17235.000	16.18	43.08	40.48	28.18	46.96	68.20	-21.24	peak

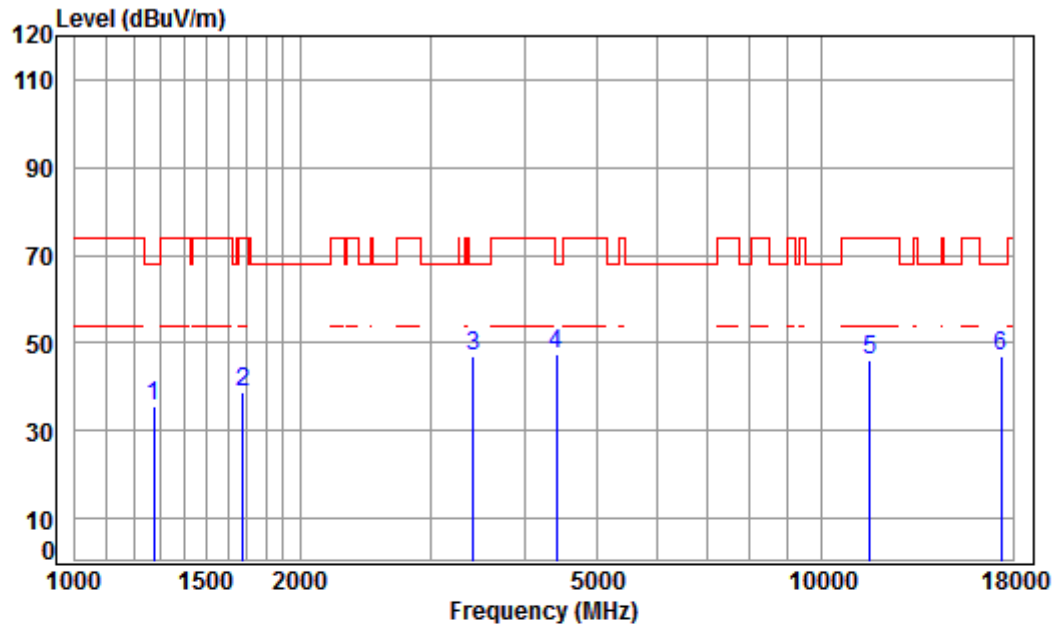


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 235 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

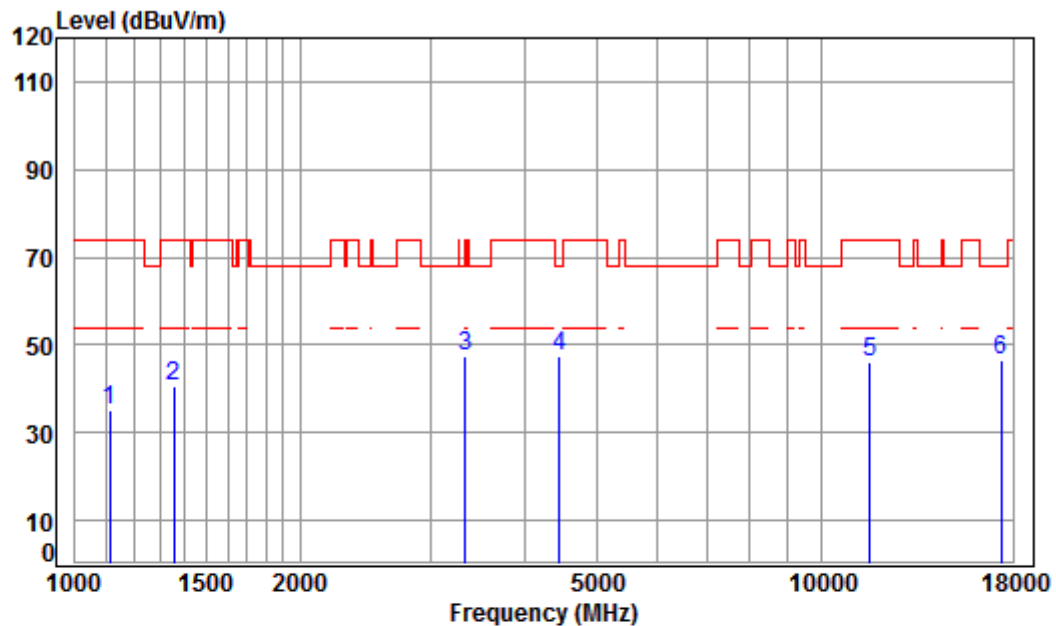
Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	41.24	47.42	35.73	68.20	-32.47	peak
2	1677.621	5.25	26.58	41.52	48.59	38.90	74.00	-35.10	peak
3	3415.787	6.38	32.06	42.20	50.89	47.13	68.20	-21.07	peak
4	pp 4405.090	7.46	33.60	42.40	48.91	47.57	68.20	-20.63	peak
5	11570.000	12.17	38.17	38.24	34.09	46.19	74.00	-27.81	peak
6	17355.000	15.92	43.23	40.58	28.56	47.13	68.20	-21.07	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	41.11	48.13	35.11	74.00	-38.89	peak
2	1354.577	4.99	25.20	41.30	51.61	40.50	74.00	-33.50	peak
3 pp	3328.077	6.30	31.91	42.18	51.54	47.57	68.20	-20.63	peak
4	4456.315	7.51	33.60	42.41	48.64	47.34	68.20	-20.86	peak
5	11570.000	12.17	38.17	38.24	34.03	46.13	74.00	-27.87	peak
6	17355.000	15.92	43.23	40.58	28.04	46.61	68.20	-21.59	peak

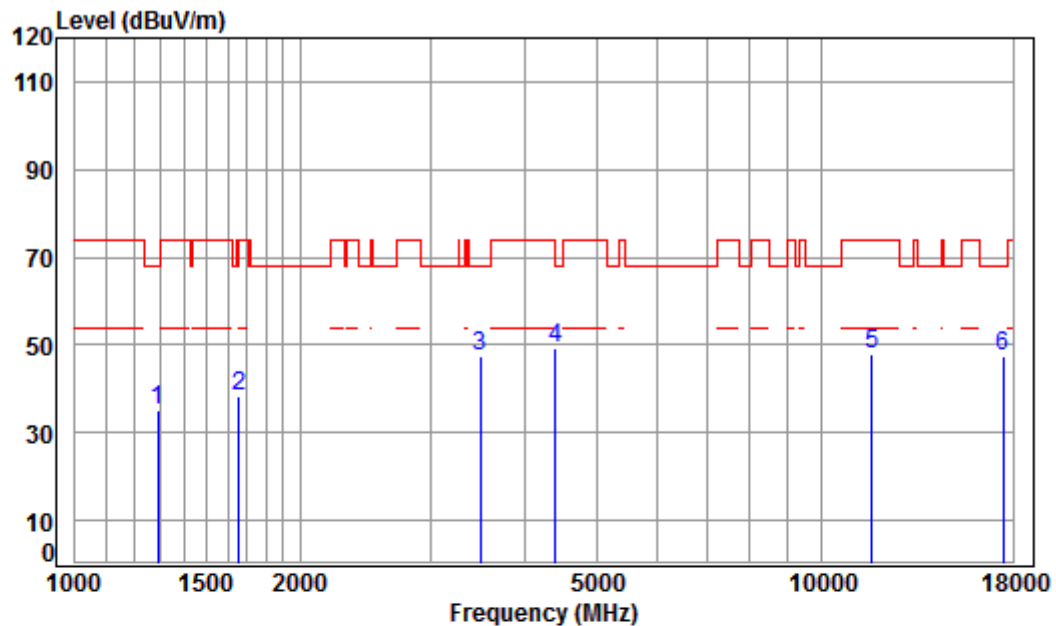


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 237 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	41.25	46.82	35.24	68.20	-32.96	peak
2	1658.337	5.28	26.50	41.51	48.10	38.37	68.20	-29.83	peak
3 pp	3485.601	6.45	32.18	42.22	50.99	47.40	68.20	-20.80	peak
4	4392.376	7.44	33.60	42.40	50.54	49.18	74.00	-24.82	peak
5	11650.000	12.20	38.25	38.29	35.61	47.77	74.00	-26.23	peak
6	17475.000	15.65	43.37	40.68	28.94	47.28	68.20	-20.92	peak

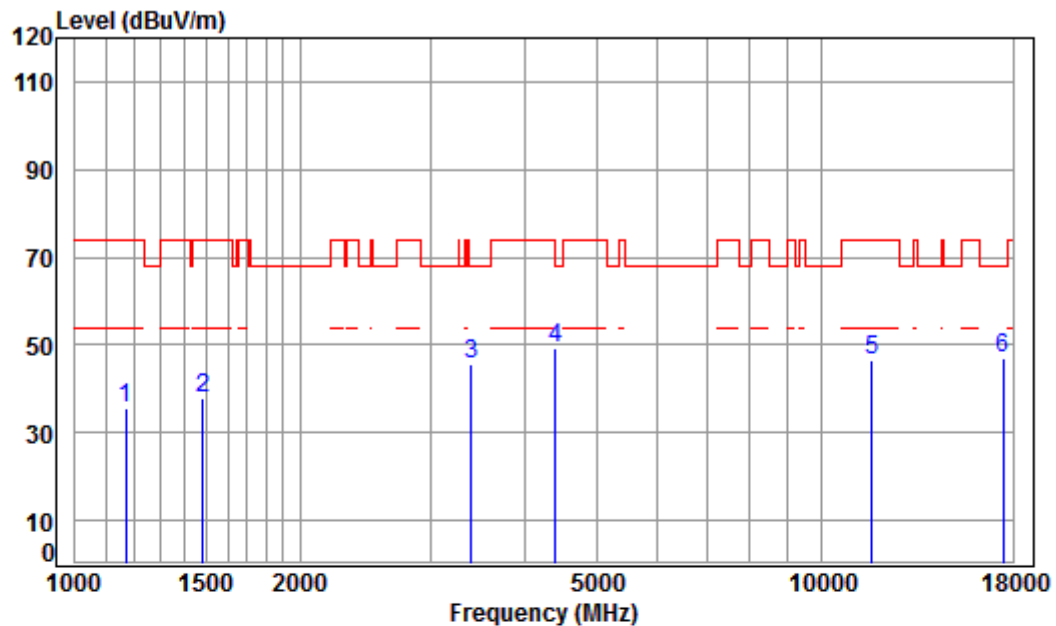


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 238 of 583

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.920	4.29	24.32	41.16	48.22	35.67	74.00	-38.33	peak
2	1481.553	5.42	25.73	41.39	48.14	37.90	74.00	-36.10	peak
3	3396.098	6.37	32.02	42.20	49.39	45.58	68.20	-22.62	peak
4	4392.376	7.44	33.60	42.40	50.73	49.37	74.00	-24.63	peak
5	11650.000	12.20	38.25	38.29	34.56	46.72	74.00	-27.28	peak
6	pp17475.000	15.65	43.37	40.68	28.86	47.20	68.20	-21.00	peak

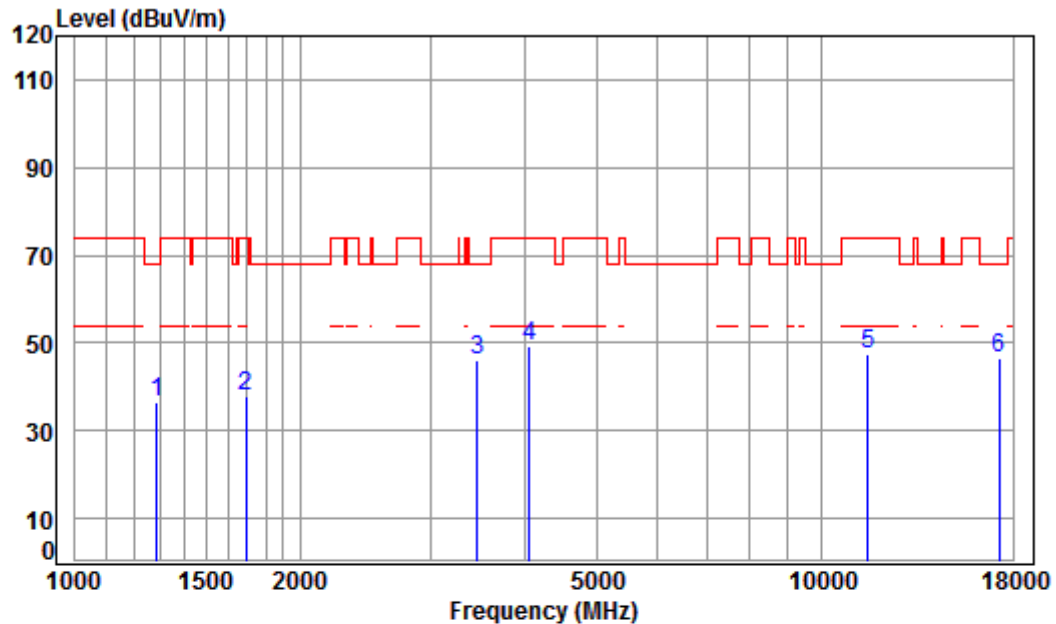


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 239 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

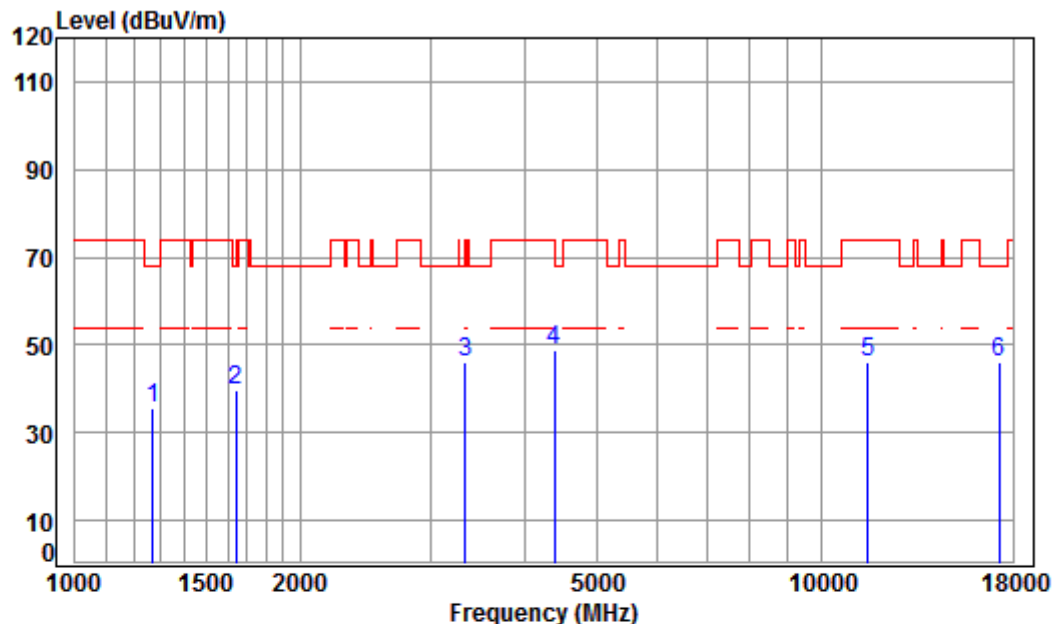
Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	41.25	48.14	36.53	68.20	-31.67	peak
2	1692.231	5.24	26.64	41.53	47.67	38.02	74.00	-35.98	peak
3	3455.508	6.42	32.13	42.21	49.72	46.06	68.20	-22.14	peak
4	4050.904	7.04	33.60	42.34	50.97	49.27	74.00	-24.73	peak
5	11510.000	12.14	38.11	38.20	35.57	47.62	74.00	-26.38	peak
6	pp17265.000	16.12	43.12	40.51	27.74	46.47	68.20	-21.73	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	41.24	47.15	35.42	68.20	-32.78	peak
2	1644.019	5.30	26.44	41.50	49.64	39.88	68.20	-28.32	peak
3	3328.077	6.30	31.91	42.18	50.11	46.14	68.20	-22.06	peak
4	4379.699	7.43	33.60	42.40	49.99	48.62	74.00	-25.38	peak
5	11510.000	12.14	38.11	38.20	34.22	46.27	74.00	-27.73	peak
6	pp17265.000	16.12	43.12	40.51	27.53	46.26	68.20	-21.94	peak

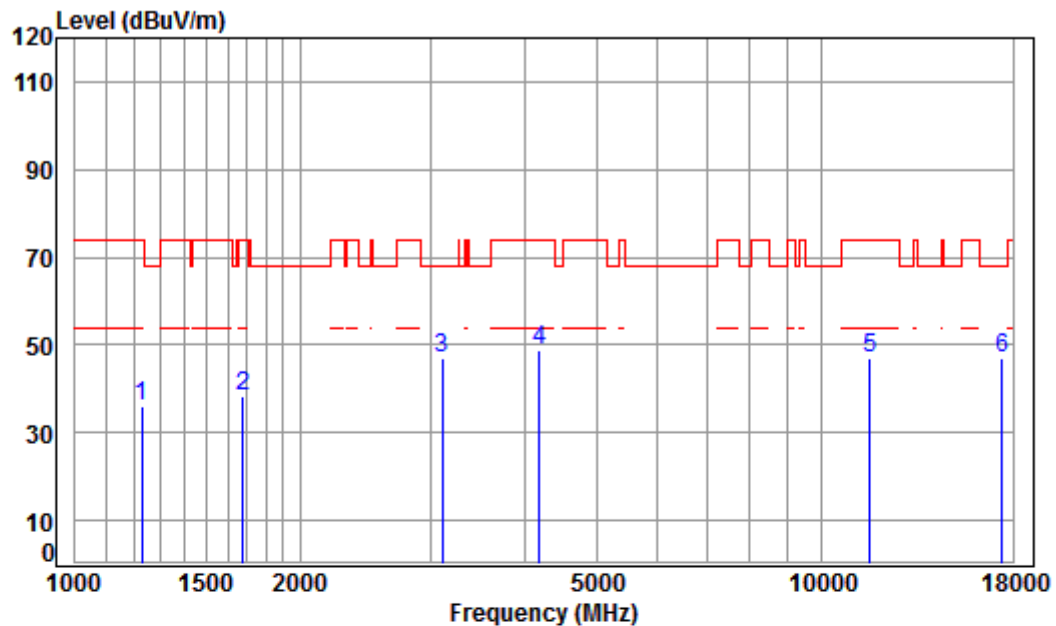


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 241 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

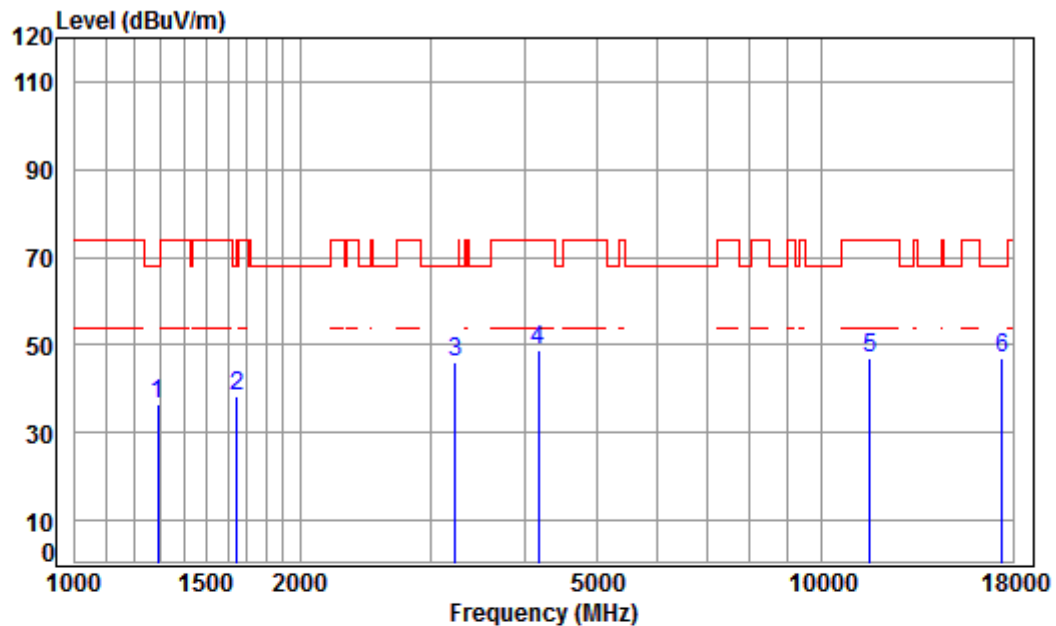
Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	41.21	47.91	35.84	74.00	-38.16	peak
2	1677.621	5.25	26.58	41.52	48.09	38.40	74.00	-35.60	peak
3	3105.037	6.09	31.50	42.13	51.38	46.84	68.20	-21.36	peak
4	4181.768	7.20	33.60	42.36	50.27	48.71	74.00	-25.29	peak
5	11590.000	12.17	38.19	38.25	34.78	46.89	74.00	-27.11	peak
6	pp17385.000	15.85	43.26	40.60	28.61	47.12	68.20	-21.08	peak



Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	41.25	48.02	36.44	68.20	-31.76	peak
2	1648.778	5.29	26.46	41.50	48.24	38.49	68.20	-29.71	peak
3	3233.260	6.21	31.74	42.16	50.35	46.14	68.20	-22.06	peak
4	4169.698	7.18	33.60	42.36	50.58	49.00	74.00	-25.00	peak
5	11590.000	12.17	38.19	38.25	34.75	46.86	74.00	-27.14	peak
6	pp17385.000	15.85	43.26	40.60	28.65	47.16	68.20	-21.04	peak

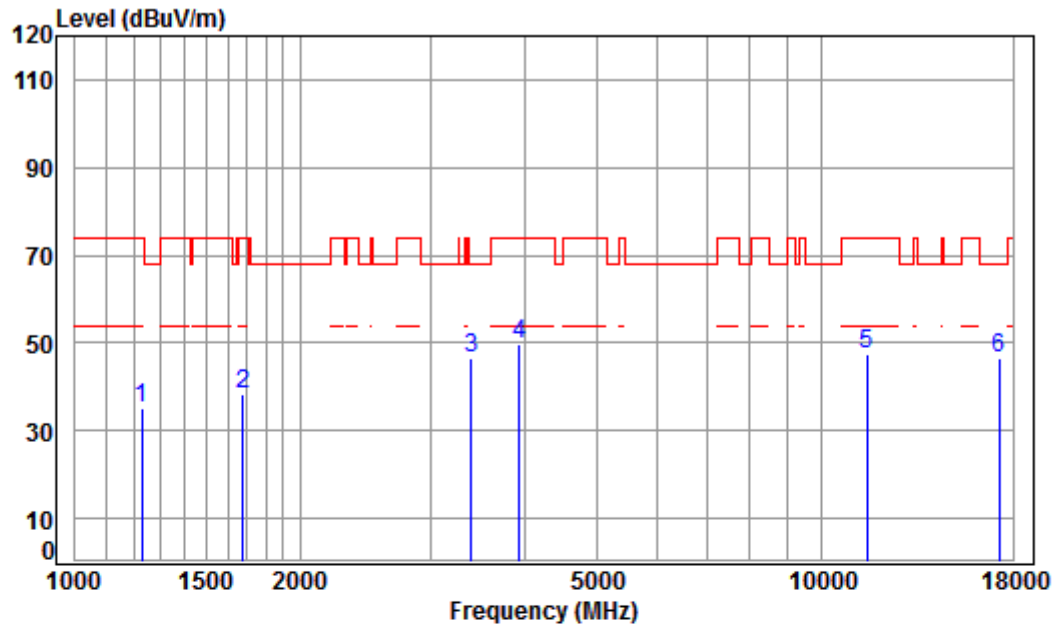


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 243 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	41.21	47.25	35.18	74.00	-38.82	peak
2	1677.621	5.25	26.58	41.52	48.17	38.48	74.00	-35.52	peak
3	3396.098	6.37	32.02	42.20	50.28	46.47	68.20	-21.73	peak
4	3935.493	6.92	33.43	42.31	51.54	49.58	74.00	-24.42	peak
5	11490.000	12.13	38.09	38.19	35.55	47.58	74.00	-26.42	peak
6	pp17235.000	16.18	43.08	40.48	27.96	46.74	68.20	-21.46	peak

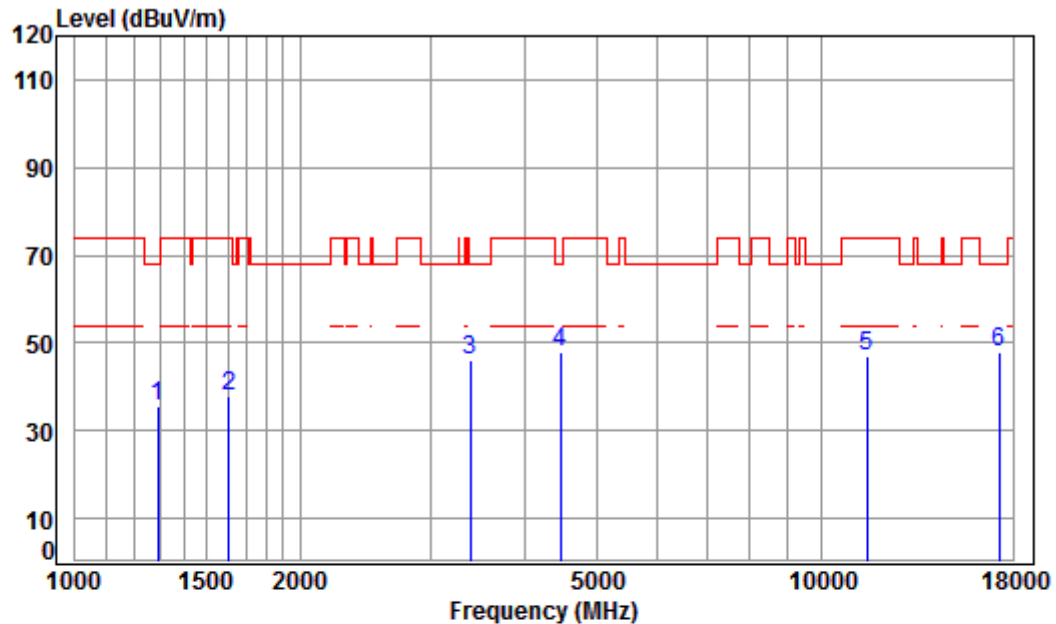


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 244 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	41.25	47.04	35.46	68.20	-32.74	peak
2	1606.441	5.34	26.28	41.47	47.76	37.91	74.00	-36.09	peak
3	3386.297	6.36	32.01	42.19	49.93	46.11	68.20	-22.09	peak
4	4469.214	7.53	33.60	42.41	49.15	47.87	68.20	-20.33	peak
5	11490.000	12.13	38.09	38.19	34.77	46.80	74.00	-27.20	peak
6	pp17235.000	16.18	43.08	40.48	29.26	48.04	68.20	-20.16	peak

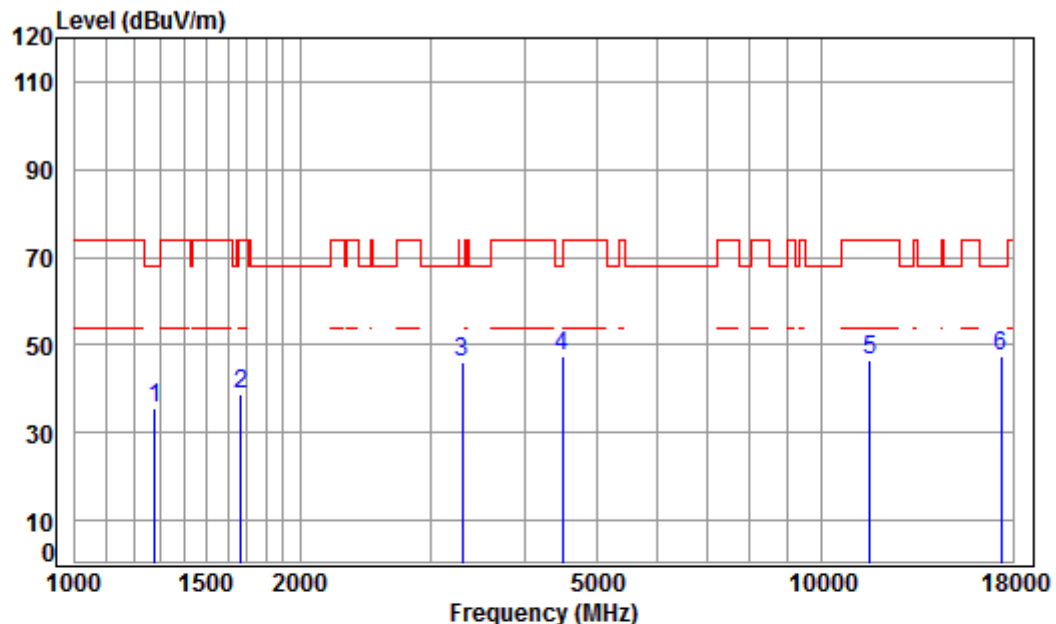


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 245 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00248CR

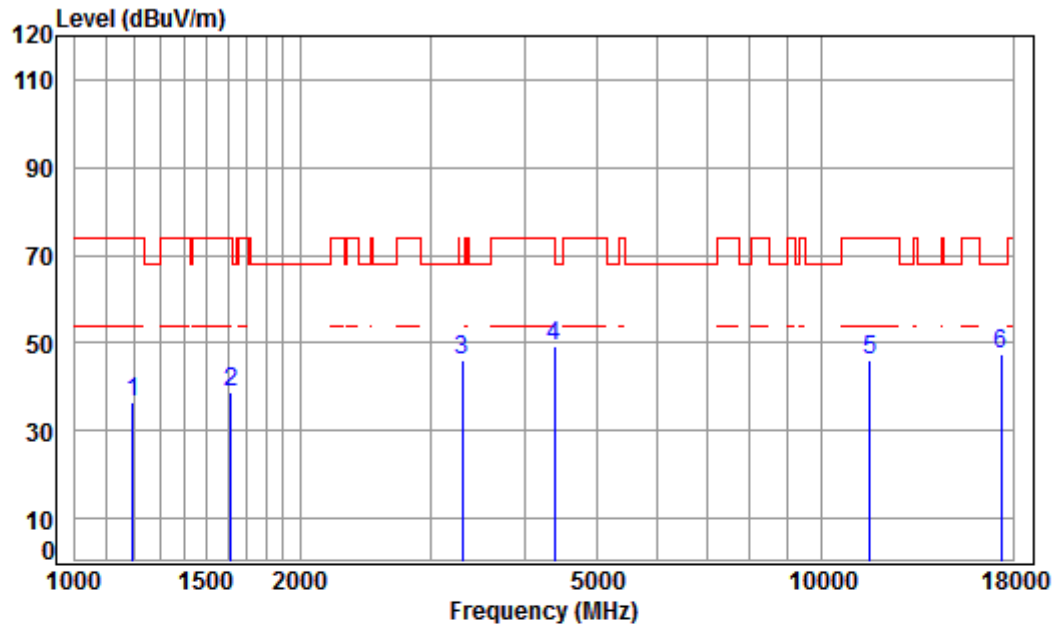
Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	41.25	47.05	35.37	68.20	-32.83	peak
2	1667.951	5.27	26.54	41.51	48.51	38.81	74.00	-35.19	peak
3	3299.344	6.28	31.86	42.17	50.32	46.29	68.20	-21.91	peak
4	pp 4495.125	7.55	33.60	42.42	48.52	47.25	68.20	-20.95	peak
5	11570.000	12.17	38.17	38.24	34.31	46.41	74.00	-27.59	peak
6	17355.000	15.92	43.23	40.58	28.66	47.23	68.20	-20.97	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00248CR

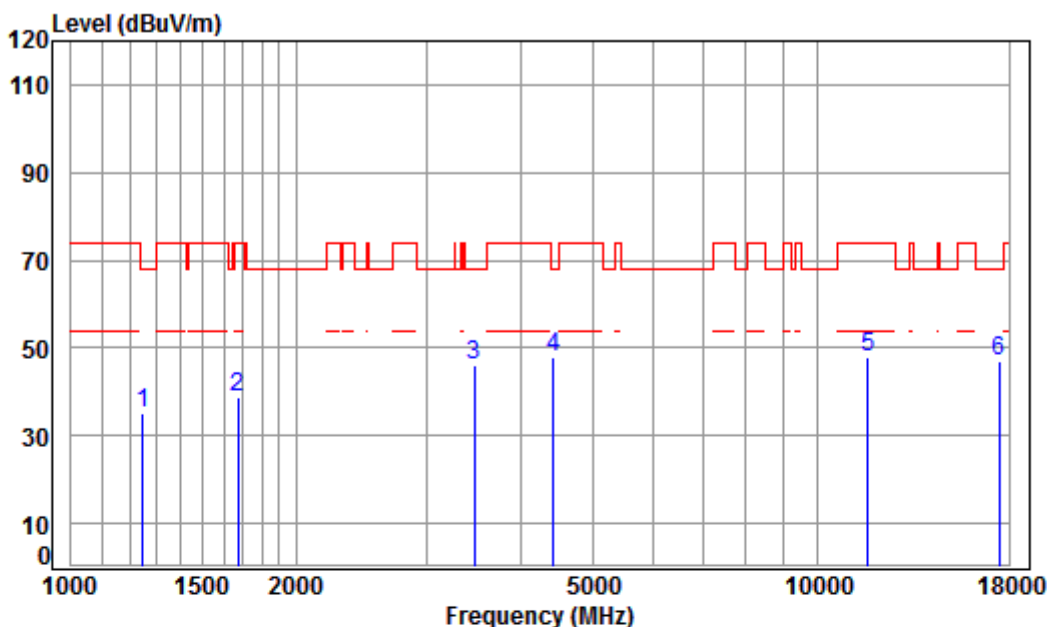
Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	4.40	24.46	41.18	48.83	36.51	74.00	-37.49	peak
2	1615.754	5.33	26.32	41.48	48.70	38.87	74.00	-35.13	peak
3	3299.344	6.28	31.86	42.17	50.26	46.23	68.20	-21.97	peak
4	4379.699	7.43	33.60	42.40	50.71	49.34	74.00	-24.66	peak
5	11570.000	12.17	38.17	38.24	33.90	46.00	74.00	-28.00	peak
6	pp17355.000	15.92	43.23	40.58	28.88	47.45	68.20	-20.75	peak



Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00248CR

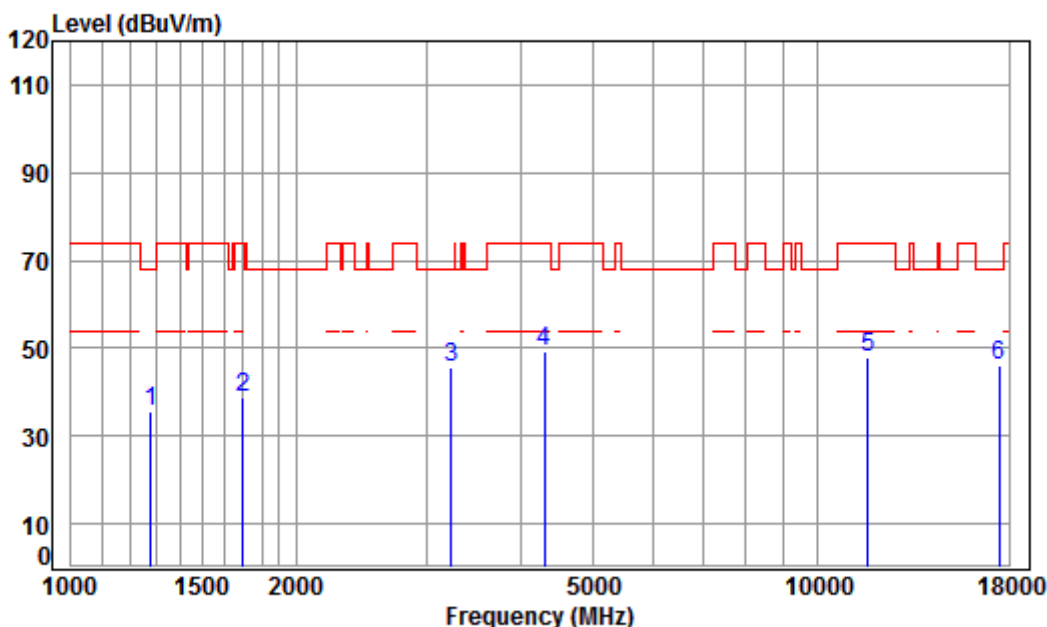
Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	41.22	46.91	35.02	68.20	-33.18	peak
2	1672.779	5.26	26.56	41.52	48.71	39.01	74.00	-34.99	peak
3	3465.510	6.43	32.14	42.21	49.86	46.22	68.20	-21.98	peak
4 pp	4417.841	7.47	33.60	42.40	49.06	47.73	68.20	-20.47	peak
5	11650.000	12.20	38.25	38.29	35.74	47.90	74.00	-26.10	peak
6	17475.000	15.65	43.37	40.68	28.56	46.90	68.20	-21.30	peak



Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	41.25	47.24	35.56	68.20	-32.64	peak
2	1697.129	5.23	26.66	41.53	48.37	38.73	74.00	-35.27	peak
3	3233.260	6.21	31.74	42.16	50.00	45.79	68.20	-22.41	peak
4	4304.400	7.34	33.60	42.38	50.90	49.46	74.00	-24.54	peak
5	11650.000	12.20	38.25	38.29	35.72	47.88	74.00	-26.12	peak
6	pp17475.000	15.65	43.37	40.68	27.92	46.26	68.20	-21.94	peak

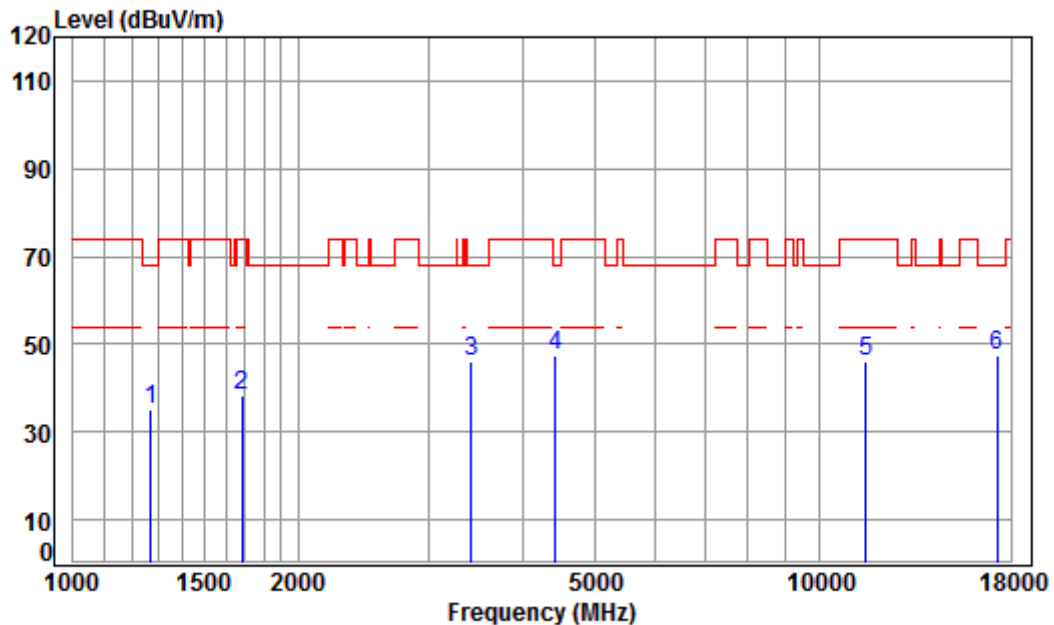


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 249 of 583

Mode:b; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	41.24	46.99	35.26	68.20	-32.94	peak
2	1682.477	5.25	26.60	41.52	48.22	38.55	74.00	-35.45	peak
3	3415.787	6.38	32.06	42.20	49.86	46.10	68.20	-22.10	peak
4	4417.841	7.47	33.60	42.40	48.58	47.25	68.20	-20.95	peak
5	11510.000	12.14	38.11	38.20	34.24	46.29	74.00	-27.71	peak
6	pp17265.000	16.12	43.12	40.51	28.85	47.58	68.20	-20.62	peak

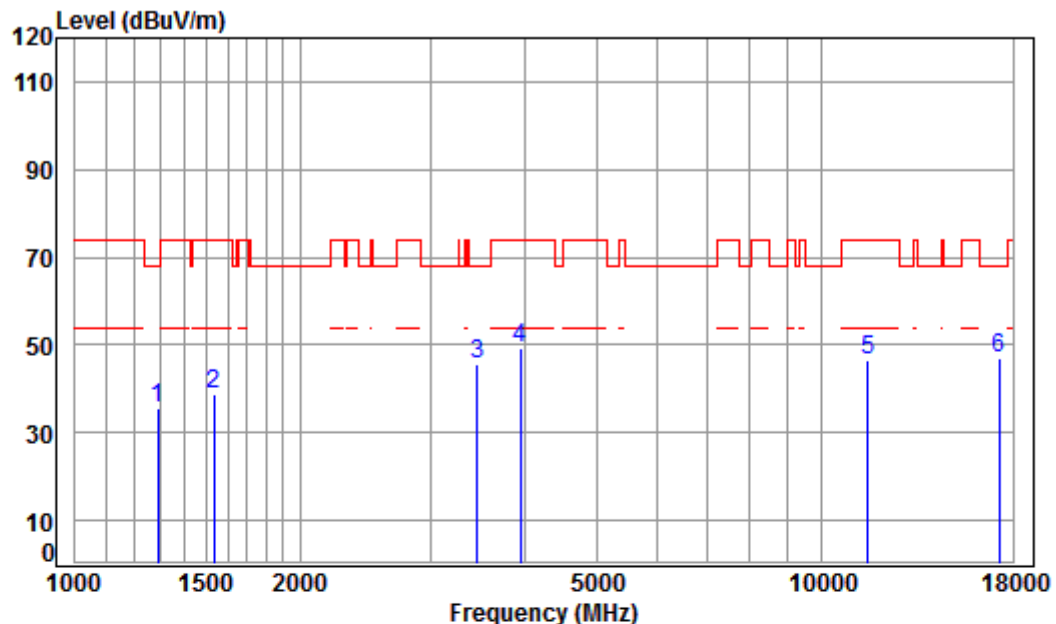


SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM180100024801

Page: 250 of 583

Mode:b; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00248CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	41.25	47.31	35.73	68.20	-32.47	peak
2	1533.841	5.44	25.96	41.43	48.78	38.75	74.00	-35.25	peak
3	3455.508	6.42	32.13	42.21	49.20	45.54	68.20	-22.66	peak
4	3946.885	6.93	33.46	42.31	51.19	49.27	74.00	-24.73	peak
5	11510.000	12.14	38.11	38.20	34.33	46.38	74.00	-27.62	peak
6	pp17265.000	16.12	43.12	40.51	28.29	47.02	68.20	-21.18	peak