TEST REPORT

Application No.:	GZCR2108020829AT
Applicant:	SZ DJI TECHNOLOGY CO.,LTD.
Address of Applicant:	14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen, Guangdong, China
Manufacturer:	SZ DJI TECHNOLOGY CO.,LTD.
Address of Manufacturer:	14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen, Guangdong, China
Equipment Under Test (EUT):	
EUT Name:	DJI Mavic 3 Cine, DJI Mavic 3
Model No.:	L2P, L2A ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade mark:	DJI
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2021-08-13
Date of Test:	2021-08-13 to 2021-08-28
Date of Issue:	2021-09-01
Test Result:	**Pass***

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

Kobe Jian
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		*2021-09-01*		*Original*

Authorized for issue by				
Tested By		 **Curry Wu /Project Engineer**		
Reviewed By		 **Ricky Liu/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		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass
Frequency Stability		KDB 789033 II A 3	47 CFR Part 15, Subpart E 15.407 (g)	Pass

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 & E 15.407 b(6)	Pass
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 II D	N/A	Pass
26dB Emission bandwidth		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)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & E 15.407(b)	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Declaration of EUT Family Grouping:

Model No.:	Product Description
L2P	DJI Mavic 3 Cine
L2A	DJI Mavic 3

Model No.:L2P, L2A

Only the model L2P was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, the difference between L2P and L2A is that the memory is different. L2P has one more SSD than L2A.

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	Input:DC 15.4V DC 15.4V 5000mAh, 77Wh Lithium-ion rechargeable battery(to be charged from Type C port), Model: BWX260-5000-15.4
Operation Frequency:	1.4MHz BW:5728.5MHz-5846.5MHz; 1.4MHz BW CA:5730.12MHz-5848.12MHz; 3MHz BW:5727.5MHz-5844.5MHz; 3MHz BW CA:5730.2MHz-5847.2MHz; 10MHz BW:5730.5MHz-5844.5MHz; 20MHz BW:5735.5MHz-5839.5MHz; 40MHz BW:5745.5MHz-5829.5MHz
Moudulation Type:	OFDM
Number of Channels:	1.4MHz BW:60; 1.4MHz BW CA:60; 3MHz BW:40; 3MHz BW CA:40; 10MHz BW:115; 20MHz BW:105; 40MHz BW:85
Channel Spacing:	1.4MHz BW:2MHz; 1.4MHz BW CA:2MHz; 3MHz BW:3MHz; 3MHz BW CA:3MHz; 10MHz BW:1MHz; 20MHz BW:1MHz; 40MHz BW:1MHz
Antenna Type:	FPC Antenna
Antenna Gain:	Antenna 1&4: 3.0dBi, Antenna 2&3: 2.5dBi
Antenna Combination:	Antenna 1+Antenna 2, Antenna 1+Antenna 4, Antenna 2+Antenna 3, Antenna 3+Antenna 4

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
AC/DC Adapter	DJI	PD-65US	N/A

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	3.12dB
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 3%
Maximum Conducted output power	± 0.75dB
Peak Power spectrum density	± 2.84dB
Radiated Emissions	5.06dB （30MHz-1GHz；3m） 4.46dB （30MHz-1GHz；10m） 5.08dB (1GHz-6GHz) 5.14dB (above 6GHz)
Radiated Emissions which fall in the restricted bands	5.06dB （30MHz-1GHz；3m） 4.46dB （30MHz-1GHz；10m） 5.08dB (1GHz-6GHz) 5.14dB (above 6GHz)
Frequency Stability	± 7.25 x 10^{-8}

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,

198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

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	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Network	Rohde & Schwarz	ENV216	EMC0118	2021-01-08	2022-01-06
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2020-09-25	2021-09-24
Coaxial Cable	HangTianXing	2m	EMC0107	2020-09-09	2022-09-08
Test Software E3c	Audix	Ver. 5.4.1221b	GZE100-62	N/A	N/A
EMI Test Receiver(9kHz-3.6GHz)	Rohde & Schwarz	ESR4	EMC2221	2021/6/1	2022/5/31

99% Bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

Conducted Peak Output Power					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Power Meter (U2021XA_Ch2)	Agilent Technologies	U2021XA_Ch2	SEM009-02	2021-05-19	2022-05-18
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

Duty Cycle					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

Minimum 6dB Bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

Power Spectrum Density					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

Radiated Emissions					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020/9/9	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-01-08	2022-01-07
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver(10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2020-11-13	2021-11-12
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2020-09-17	2021-09-16
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-28	2022-07-27
Signal Analyzer (20Hz-26.5GHz)	Rohde & Schwarz	FISQ 26	EMC0069	2020/11/13	2021-11-12

Radiated Spurious Emissions (Below 1GHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Trilog Broadband Antenna(25MHz-1GHz)-Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2021-05-19	2022-05-18
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2019-12-27	2021-12-26
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2021-05-26	2022-05-25

Radiated Emissions which fall in the restricted bands					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EMI Test Receiver(20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-01-08	2022-01-07
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020/9/9	2022/9/8
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-01-08	2022-01-07
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver(10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2020-11-13	2021-11-12
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2020-09-17	2021-09-16
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-28	2022-07-27
Signal Analyzer (20Hz-26.5GHz)	Rohde & Schwarz	FISQ 26	EMC0069	2020/11/13	2021/11/12

26dB Emission bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
EXA Signal Analzer(10Hz-44GHz)	Agilent Technologies	N9010A	EMC2138	2020-09-17	2021-09-16
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01

General used equipment					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DMM	Fluke	73	EMC0006	2021-07-05	2022-07-05
DMM	Fluke	73	EMC0007	2021-07-05	2022-07-05

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 an 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 antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna are Antenna 1&4: 3.0dBi, Antenna 2&3: 2.5dBi.

Antenna location: Refer to internal photo.

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 signaling 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:

RF chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

6.3 Frequency Stability

6.3.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (g)

6.3.2 Conclusion

The grantee declared that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual, it comply the frequency stability requirement.

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 & E 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

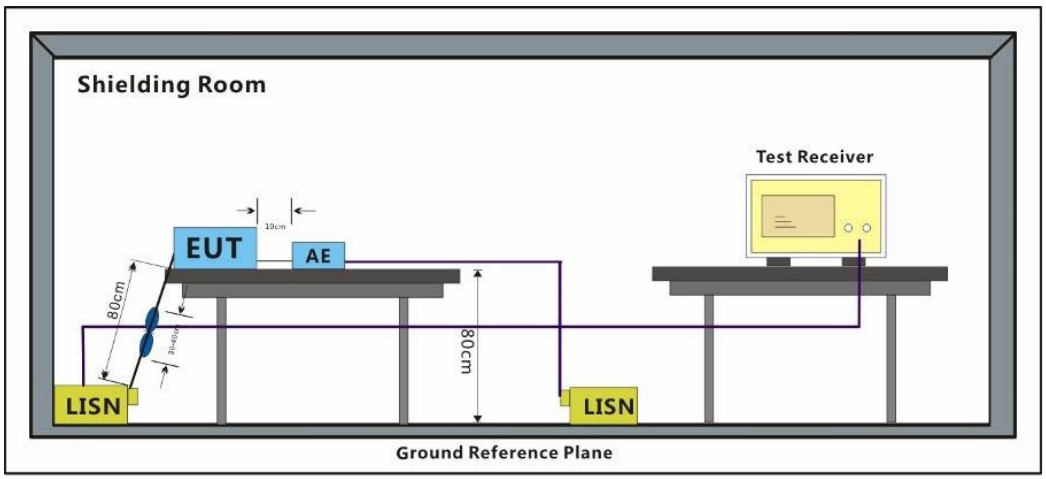
Operating Environment:

Temperature: 23.3 °C Humidity: 51.8 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	29	Charge + TX mode(1.4MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	30	Charge + TX mode(1.4MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	31	Charge + TX mode(3MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	32	Charge + TX mode(3MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	33	Charge + TX mode(10MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	34	Charge + TX mode(20MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	35	Charge + TX mode(40MHz)_Keep the EUT in charging and continuously transmitting mode with modulation

7.1.3 Test Setup Diagram



7.1.4 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.

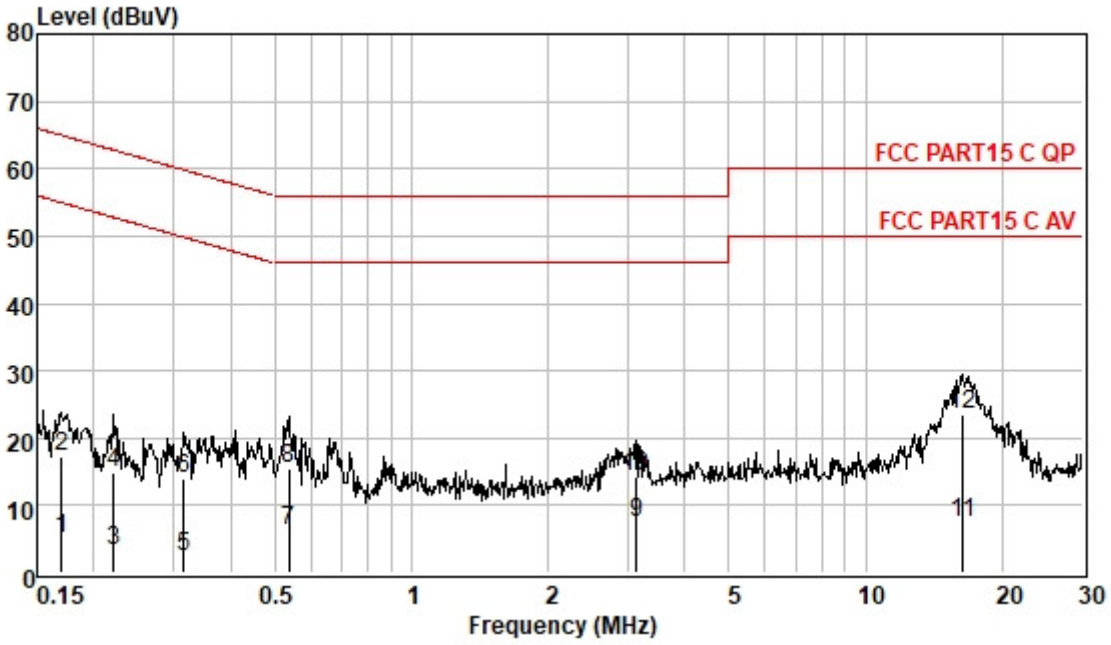
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

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

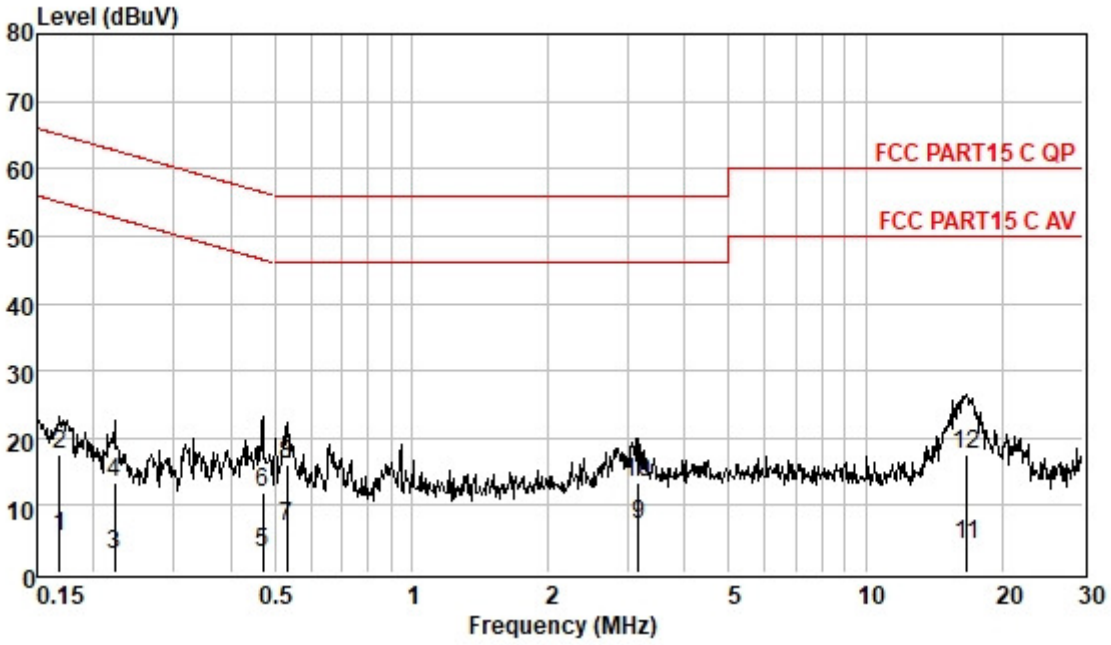
Test Mode: 29; Line: Live line; Modulation:OFDM; Channel:Low



Pol :LINE
Mode :29
Model :

Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
0.17	-4.73	0.06	9.62	4.95	54.99	-50.04	Average
0.17	7.63	0.06	9.62	17.31	64.99	-47.68	QP
0.22	-6.33	0.06	9.63	3.36	52.79	-49.43	Average
0.22	5.22	0.06	9.63	14.91	62.79	-47.88	QP
0.31	-7.30	0.06	9.62	2.38	49.84	-47.46	Average
0.31	4.25	0.06	9.62	13.93	59.84	-45.91	QP
0.54	-3.60	0.07	9.63	6.10	46.00	-39.90	Average
0.54	5.80	0.07	9.63	15.50	56.00	-40.50	QP
3.12	-2.32	0.15	9.62	7.45	46.00	-38.55	Average
3.12	4.41	0.15	9.62	14.18	56.00	-41.82	QP
16.40	-2.64	0.33	9.75	7.44	50.00	-42.56	Average
16.40	13.56	0.33	9.75	23.64	60.00	-36.36	QP

Test Mode: 29; Line: Neutral Line; Modulation:OFDM; Channel:Low



Pol :NEUTRAL
Mode :29
Model :

Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
0.17	-4.26	0.06	9.55	5.35	55.03	-49.68	Average
0.17	7.91	0.06	9.55	17.52	65.03	-47.51	QP
0.22	-6.96	0.06	9.54	2.64	52.74	-50.10	Average
0.22	3.90	0.06	9.54	13.50	62.74	-49.24	QP
0.47	-6.75	0.07	9.55	2.87	46.49	-43.62	Average
0.47	2.13	0.07	9.55	11.75	56.49	-44.74	QP
0.53	-2.85	0.07	9.55	6.77	46.00	-39.23	Average
0.53	6.44	0.07	9.55	16.06	56.00	-39.94	QP
3.16	-2.57	0.15	9.56	7.14	46.00	-38.86	Average
3.16	3.62	0.15	9.56	13.33	56.00	-42.67	QP
16.66	-5.82	0.33	9.65	4.16	50.00	-45.84	Average
16.66	7.54	0.33	9.65	17.52	60.00	-42.48	QP

7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1
Test Method: KDB 789033 D02 II B 2

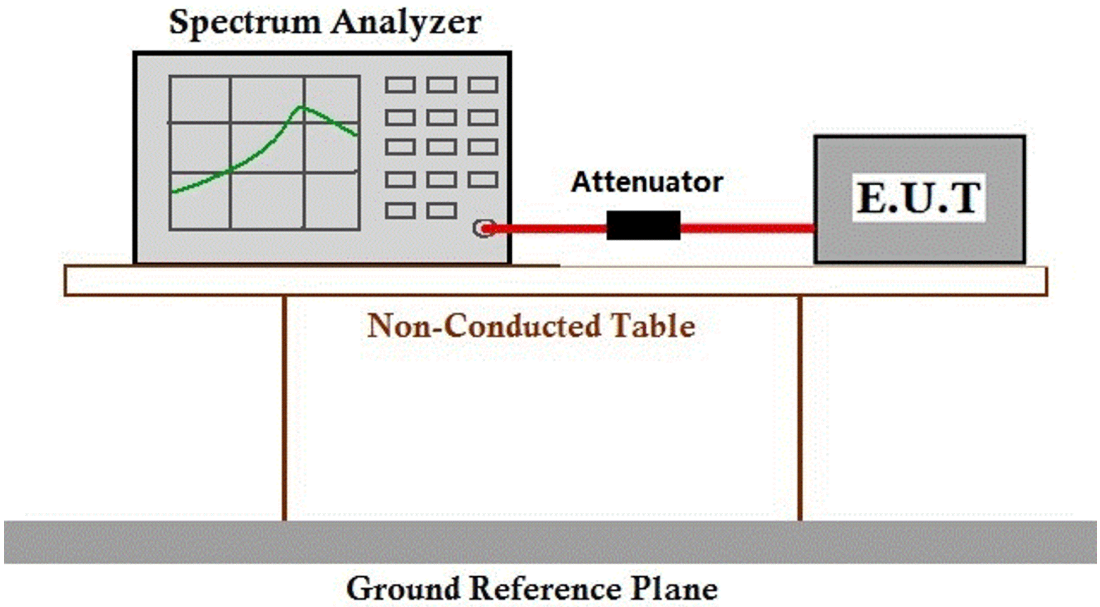
7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.3 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

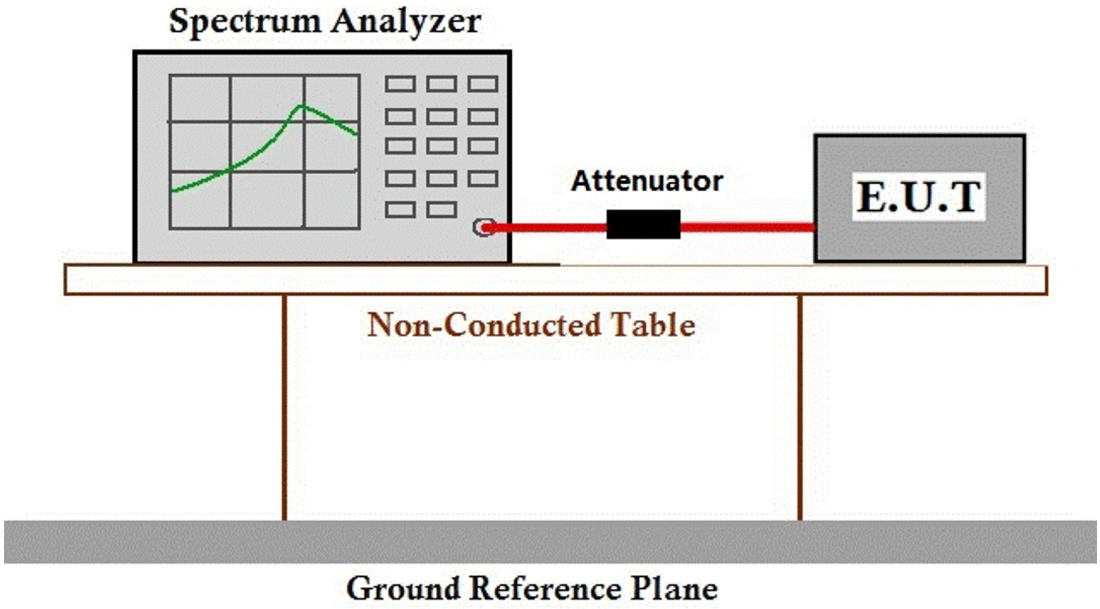
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.4 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

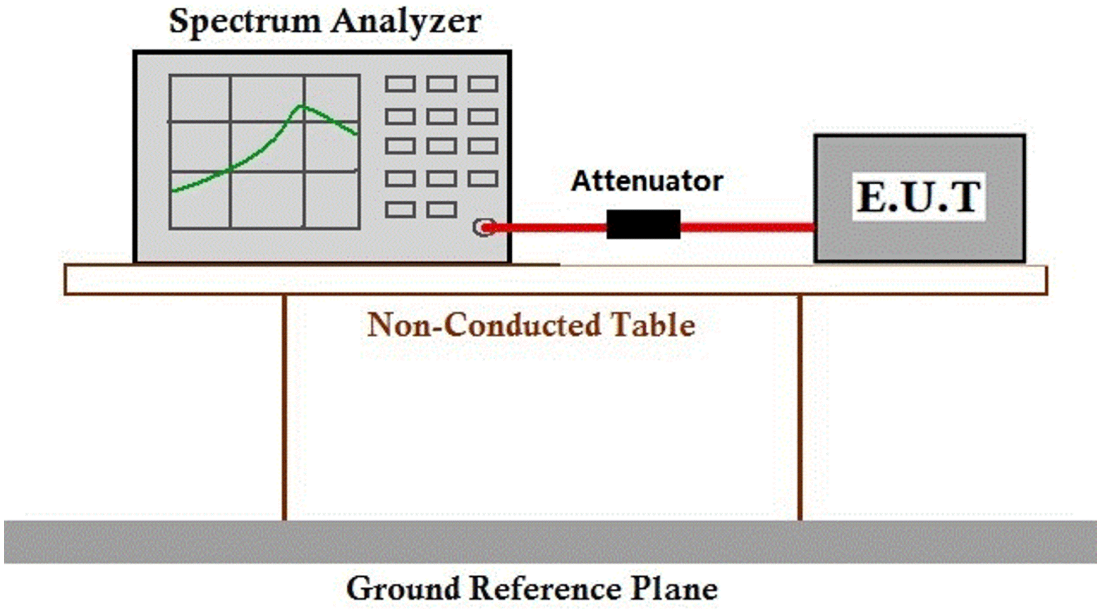
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.5 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:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.5.1 E.U.T. Operation

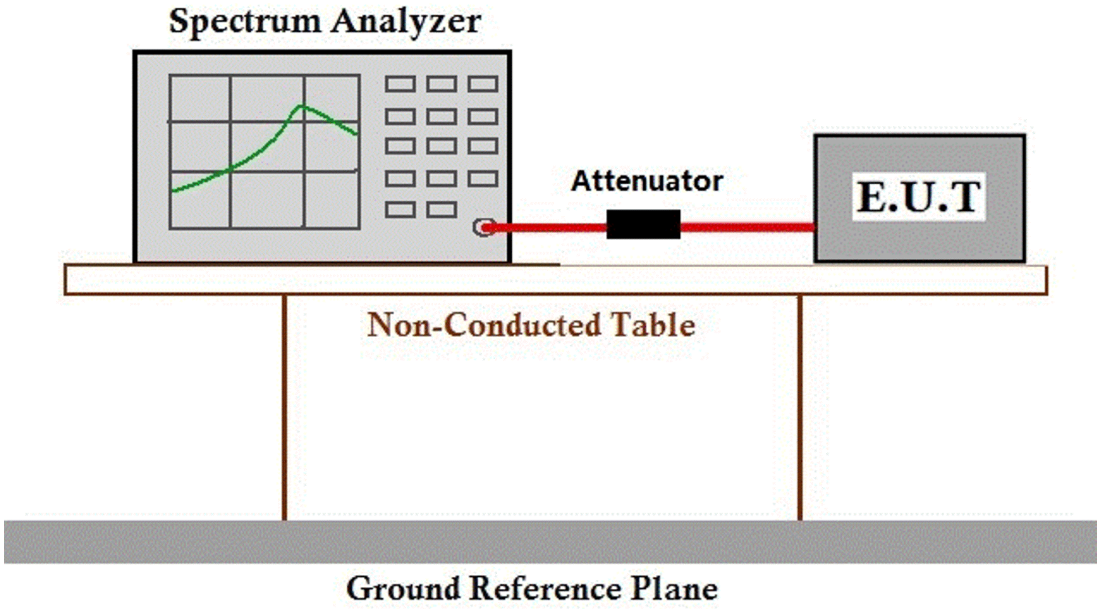
Operating Environment:

Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.6 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	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.6.1 E.U.T. Operation

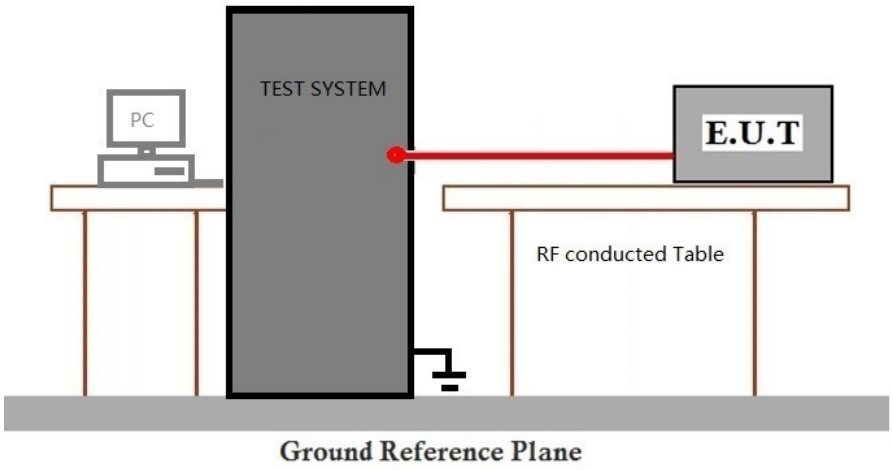
Operating Environment:

Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.7 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.

7.7.1 E.U.T. Operation

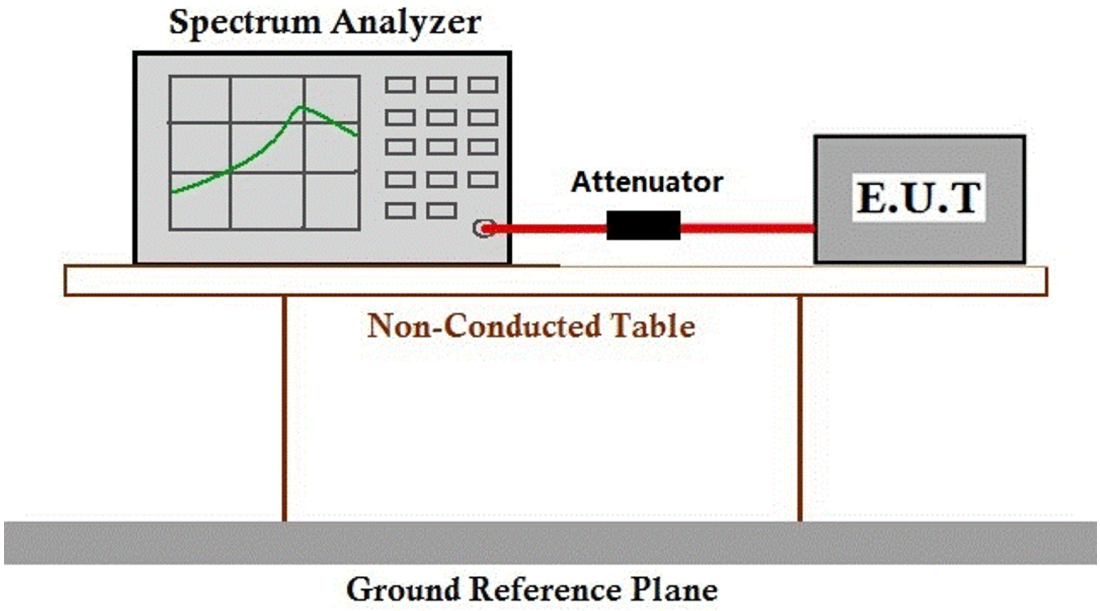
Operating Environment:

Temperature: 23.0 °C Humidity: 41.0 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer To Appendix For Details

7.8 Radiated Emissions

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

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

7.8.1 E.U.T. Operation

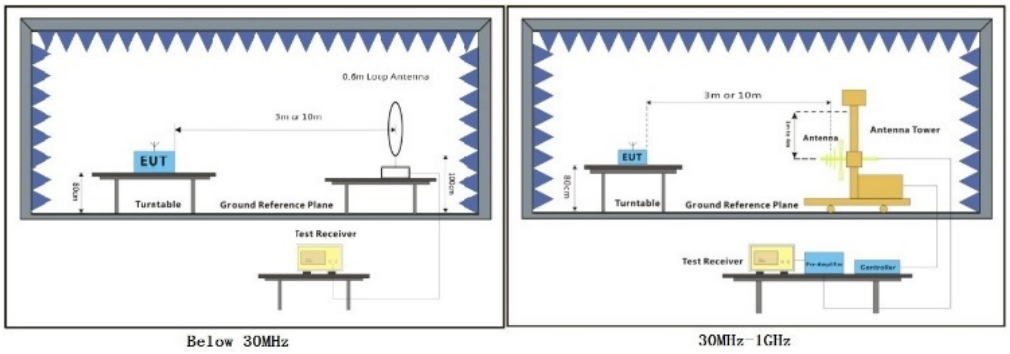
Operating Environment:

Temperature: 25.2 °C Humidity: 54.3 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

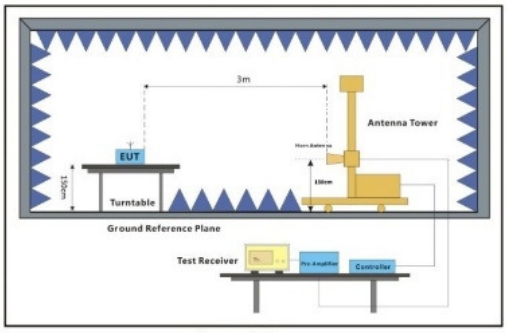
Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation
Pre-scan	29	Charge + TX mode(1.4MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	30	Charge + TX mode(1.4MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	31	Charge + TX mode(3MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	32	Charge + TX mode(3MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	33	Charge + TX mode(10MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	34	Charge + TX mode(20MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	35	Charge + TX mode(40MHz)_Keep the EUT in charging and continuously transmitting mode with modulation

7.8.3 Test Setup Diagram



Below 30MHz

30MHz~1GHz



Above 1GHz

7.8.4 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 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.

Remark1:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11ac. Only the worst case is recorded in the report.

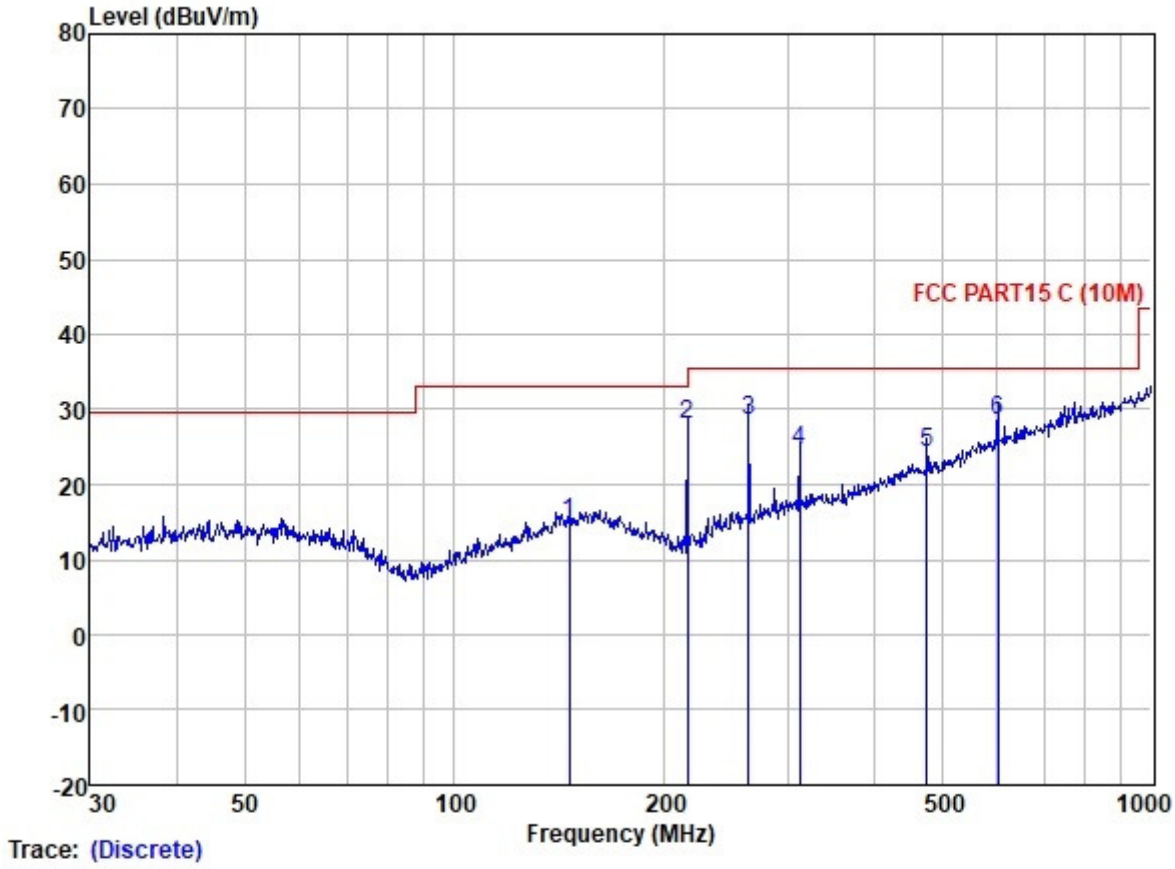
3. Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB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

4. As shown in this section, for frequencies above 1GHz, 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.

Remark2:

1. The disturbance below 30MHz and above 18GHz was very low, and the below harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
2. Pretest the EUT at antenna 1 and antenna 2 and MIMO mode find the worst case is MIMO mode.
3. Pretest the EUT in BW 1.4MHz, 1.4MHz CA, 3MHz, 3MHz CA, 10MHz, 20MHz, 40MHz find the worst case are 1.4MHz, only record the worst case test data 1.4MHz in this report.

Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:Low

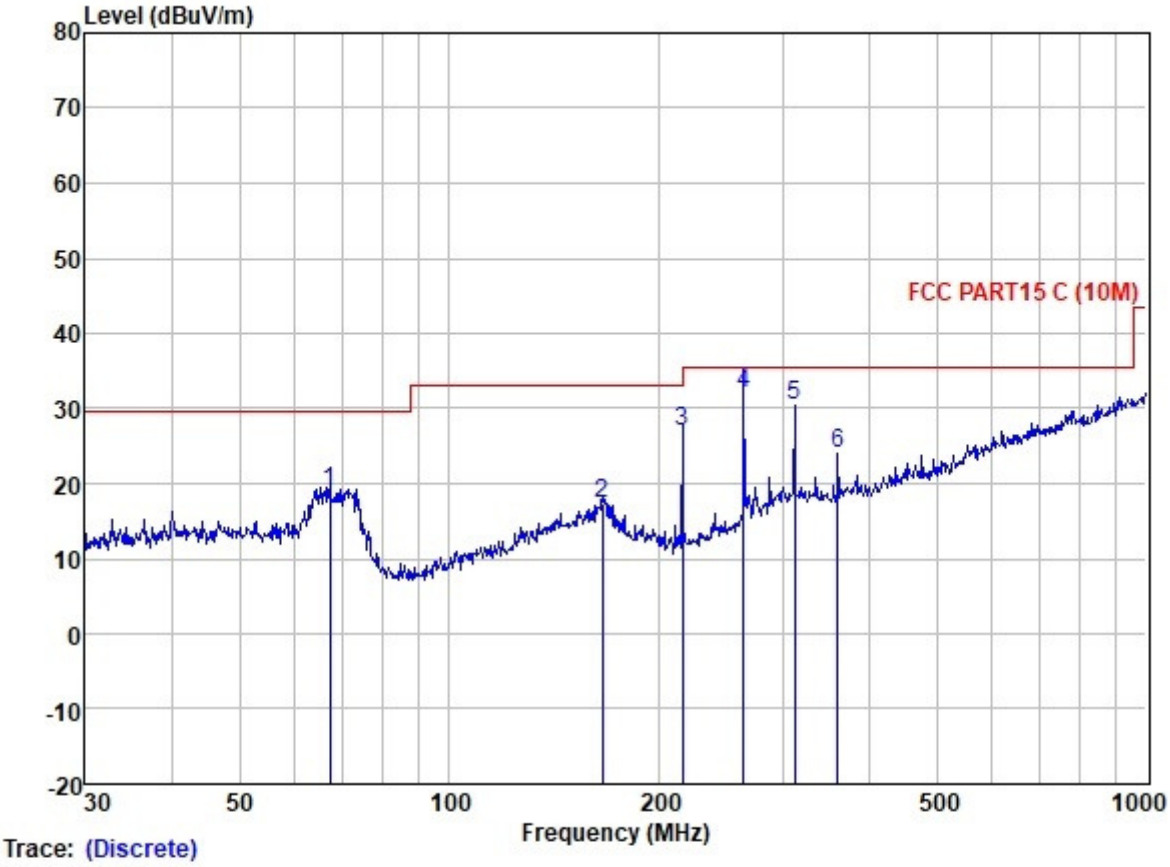


Trace: (Discrete)

```
Site        : SGS
Condition   : FCC PART15 C (10M)
Job         :
Model       :
Power       :
Test Mode   : 22
```

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV		
1	145.86	25.83	13.70	2.18	26.86	14.85	33.10	-18.25	HORIZONTAL	QP
2	216.02	42.22	9.80	2.62	26.71	27.93	35.60	-7.67	HORIZONTAL	QP
3	263.82	39.86	12.37	3.00	26.59	28.64	35.60	-6.96	HORIZONTAL	QP
4	312.18	33.94	14.00	3.26	26.61	24.59	35.60	-11.01	HORIZONTAL	QP
5	475.50	30.30	17.50	4.32	27.88	24.24	35.60	-11.36	HORIZONTAL	QP
6	601.43	31.66	20.00	5.14	28.21	28.59	35.60	-7.01	HORIZONTAL	QP

Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:Low



Trace: (Discrete)

Site : SGS
Condition : FCC PART15 C (10M)
Job :
Model :
Power :
Test Mode : 22

	Freq	Read Level	Anterna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/ Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV		
1	67.44	32.34	12.29	1.38	27.14	18.87	29.50	-10.63	VERTICAL	QP
2	165.49	28.42	13.42	2.37	26.78	17.43	33.10	-15.67	VERTICAL	QP
3	216.02	41.23	9.80	2.62	26.71	26.94	35.60	-8.66	VERTICAL	QP
4	263.82	43.31	12.37	3.00	26.59	32.09	35.60	-3.51	VERTICAL	QP
5	312.18	39.67	14.00	3.26	26.61	30.32	35.60	-5.28	VERTICAL	QP
6	360.45	32.54	14.90	3.70	27.11	24.03	35.60	-11.57	VERTICAL	QP

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

$L_3 / L_{10} = D_{10} / D_3$

Note:

L_3: Level @ 3m distance. Unit: uV/m;

L_{10}: Level @ 10m distance. Unit: uV/m;

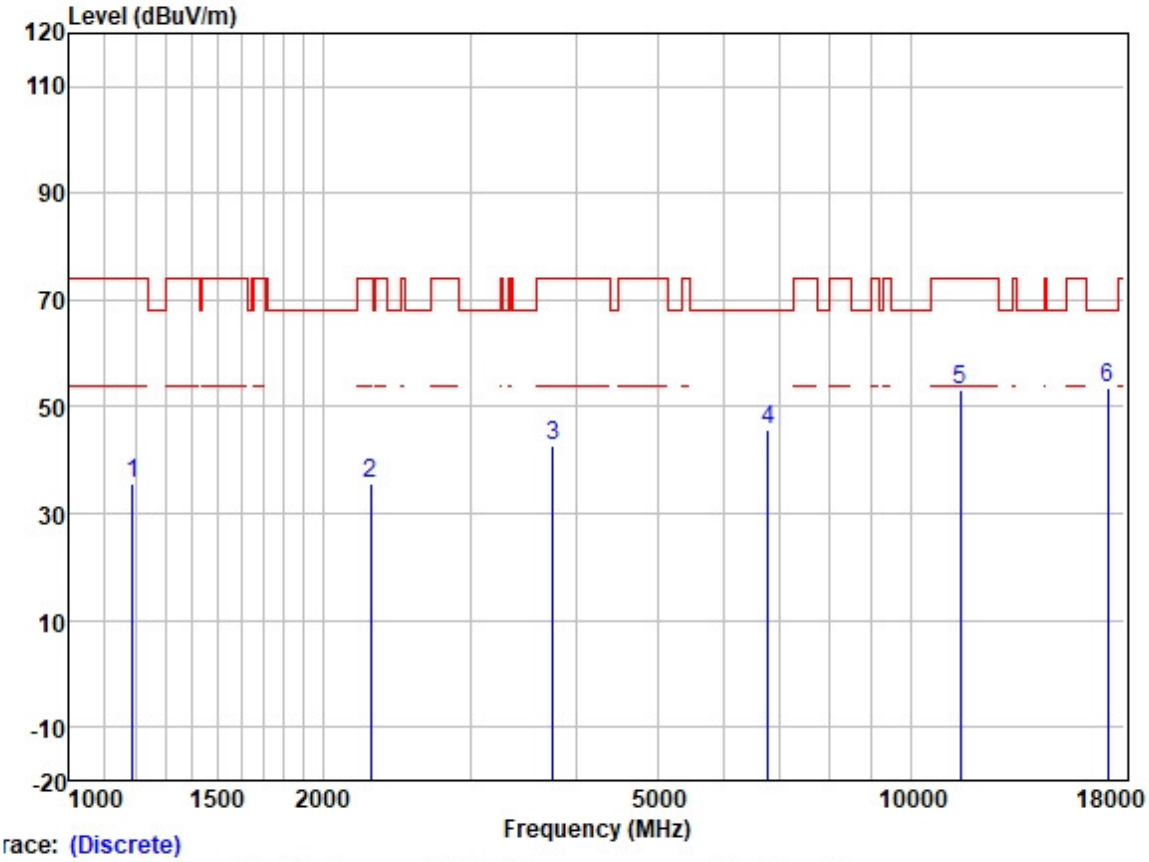
D_3: 3m distance. Unit: m

D_{10}: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
67.44	18.87	8.78	29.27	29.33	40.00	-10.67	V
165.49	17.43	7.44	24.80	27.89	43.50	-15.61	V
216.02	26.94	22.23	74.11	37.40	46.00	-8.60	V
263.82	32.09	40.23	134.08	42.55	46.00	-3.45	V
312.18	30.32	32.81	109.37	40.78	46.00	-5.22	V
360.45	24.03	15.90	53.01	34.49	46.00	-11.51	V
145.86	14.85	5.53	18.42	25.31	43.50	-18.19	H
216.02	27.93	24.92	83.06	38.39	46.00	-7.61	H
263.82	28.64	27.04	90.13	39.10	46.00	-6.90	H
312.18	24.59	16.96	56.54	35.05	46.00	-10.95	H
475.50	24.24	16.29	54.31	34.70	46.00	-11.30	H
601.43	28.59	26.88	89.61	39.05	46.00	-6.95	H

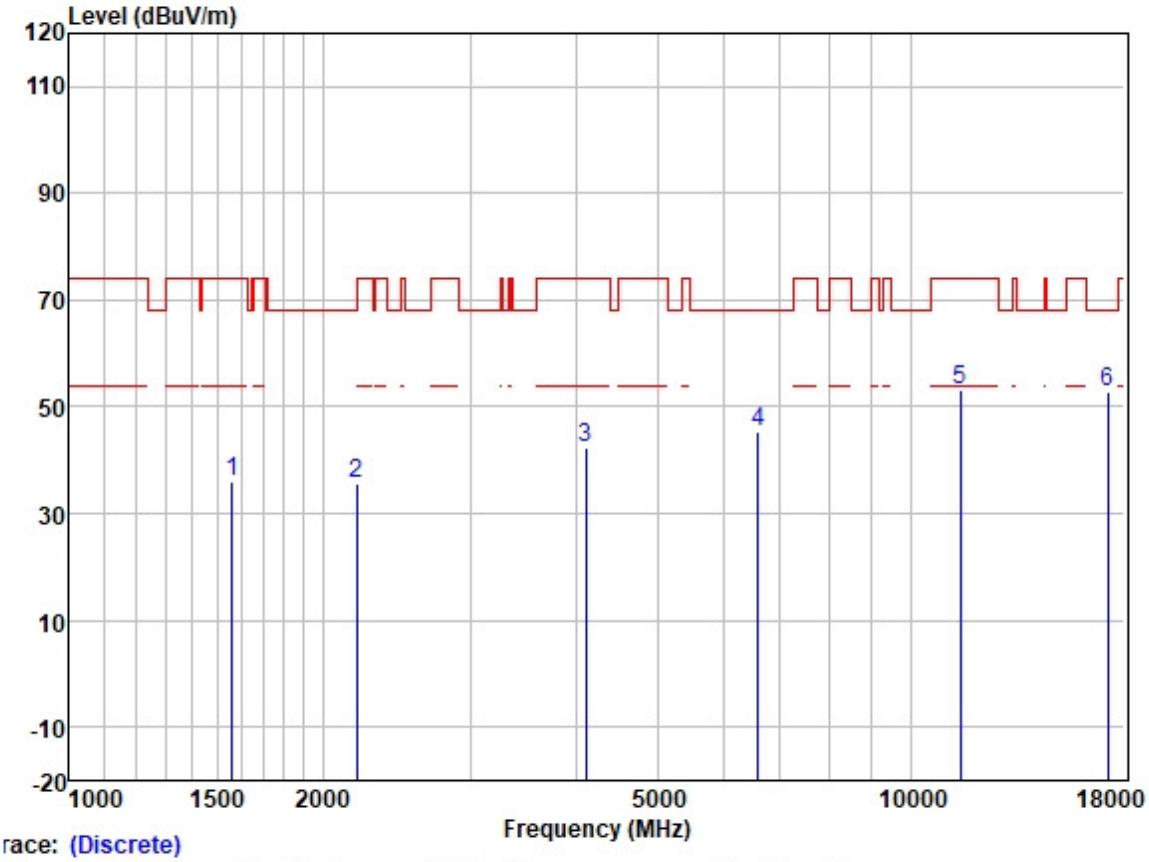
Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1188.610	47.10	24.63	2.36	38.39	35.70	74.00	-38.30	HORIZONTAL	Peak
2	2282.926	42.96	27.06	3.29	37.63	35.68	74.00	-38.32	HORIZONTAL	Peak
3	3755.710	45.73	29.42	4.58	36.86	42.87	74.00	-31.13	HORIZONTAL	Peak
4	6776.063	42.21	34.61	5.82	37.11	45.53	68.20	-22.67	HORIZONTAL	Peak
5	11457.000	41.99	39.91	8.37	37.15	53.12	74.00	-20.88	HORIZONTAL	Peak
6	17185.500	36.25	42.79	9.92	35.33	53.63	68.20	-14.57	HORIZONTAL	Peak

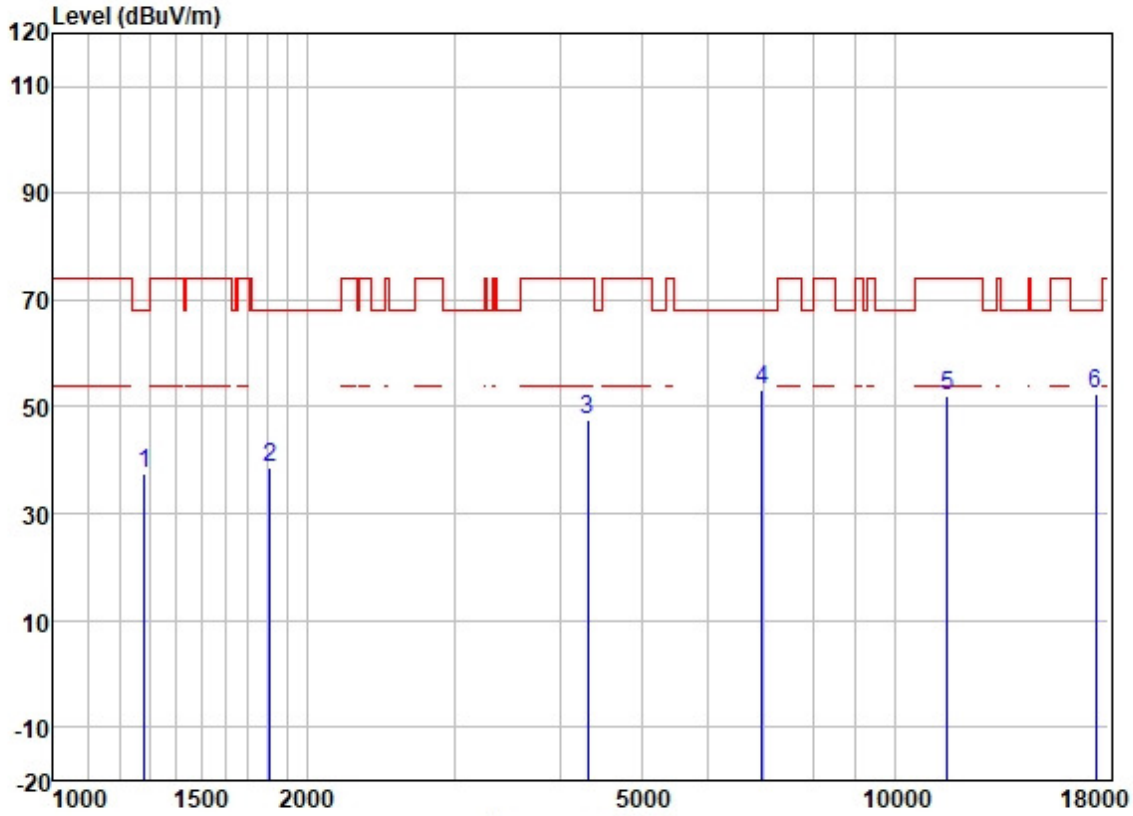
Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1563.599	45.51	25.55	2.80	38.00	35.86	74.00	-38.14	VERTICAL	Peak
2	2196.985	43.47	26.59	3.20	37.65	35.61	68.20	-32.59	VERTICAL	Peak
3	4110.927	44.49	29.96	4.60	36.80	42.25	74.00	-31.75	VERTICAL	Peak
4	6596.861	42.55	34.16	5.84	37.04	45.51	68.20	-22.69	VERTICAL	Peak
5	11457.000	41.93	39.91	8.37	37.15	53.06	74.00	-20.94	VERTICAL	Peak
6	17185.500	35.55	42.79	9.92	35.33	52.93	68.20	-15.27	VERTICAL	Peak

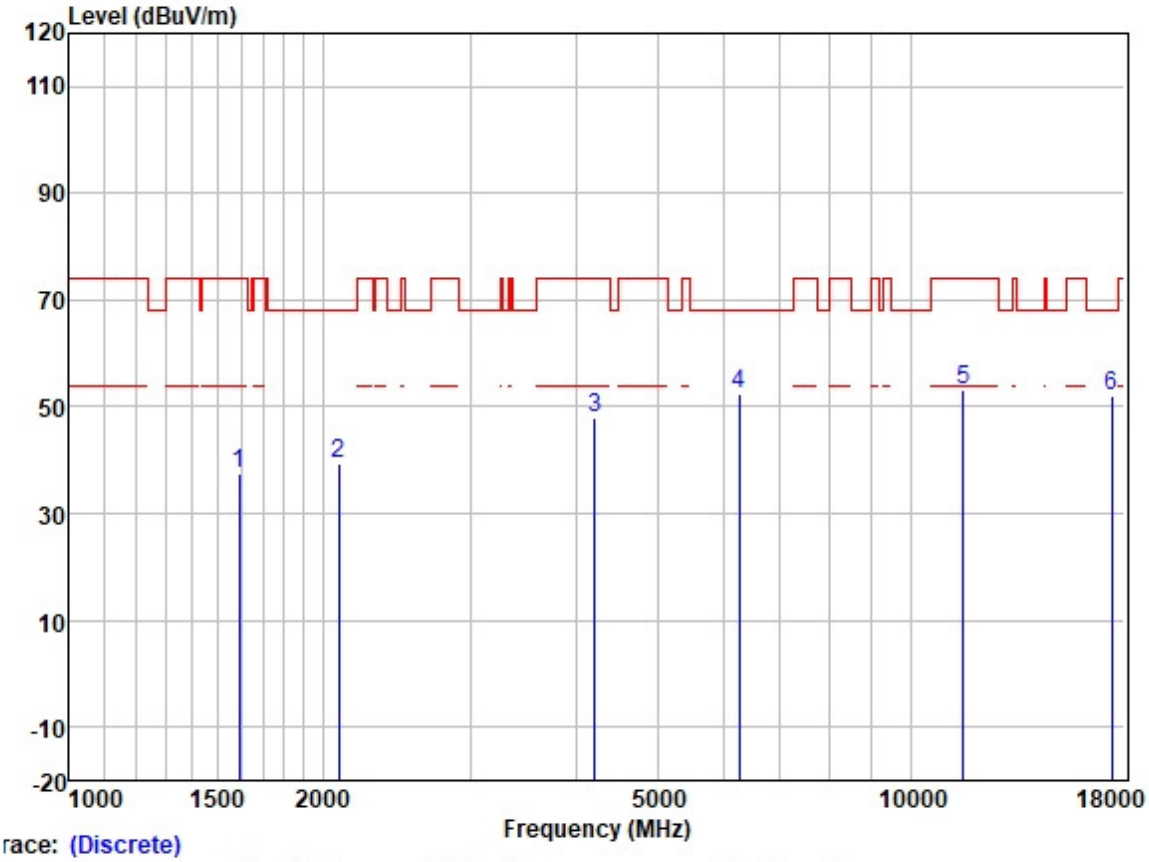
Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1283.744	48.17	25.15	2.52	38.33	37.51	68.20	-30.69	HORIZONTAL	Peak
2	1810.434	47.64	25.95	2.99	37.81	38.77	68.20	-29.43	HORIZONTAL	Peak
3	4319.058	49.28	30.51	4.66	36.81	47.64	74.00	-26.36	HORIZONTAL	Peak
4	6961.417	49.44	34.95	5.81	37.21	52.99	68.20	-15.21	HORIZONTAL	Peak
5	11573.000	41.20	39.78	8.38	37.14	52.22	74.00	-21.78	HORIZONTAL	Peak
6	17359.500	34.09	43.40	10.39	35.32	52.56	68.20	-15.64	HORIZONTAL	Peak

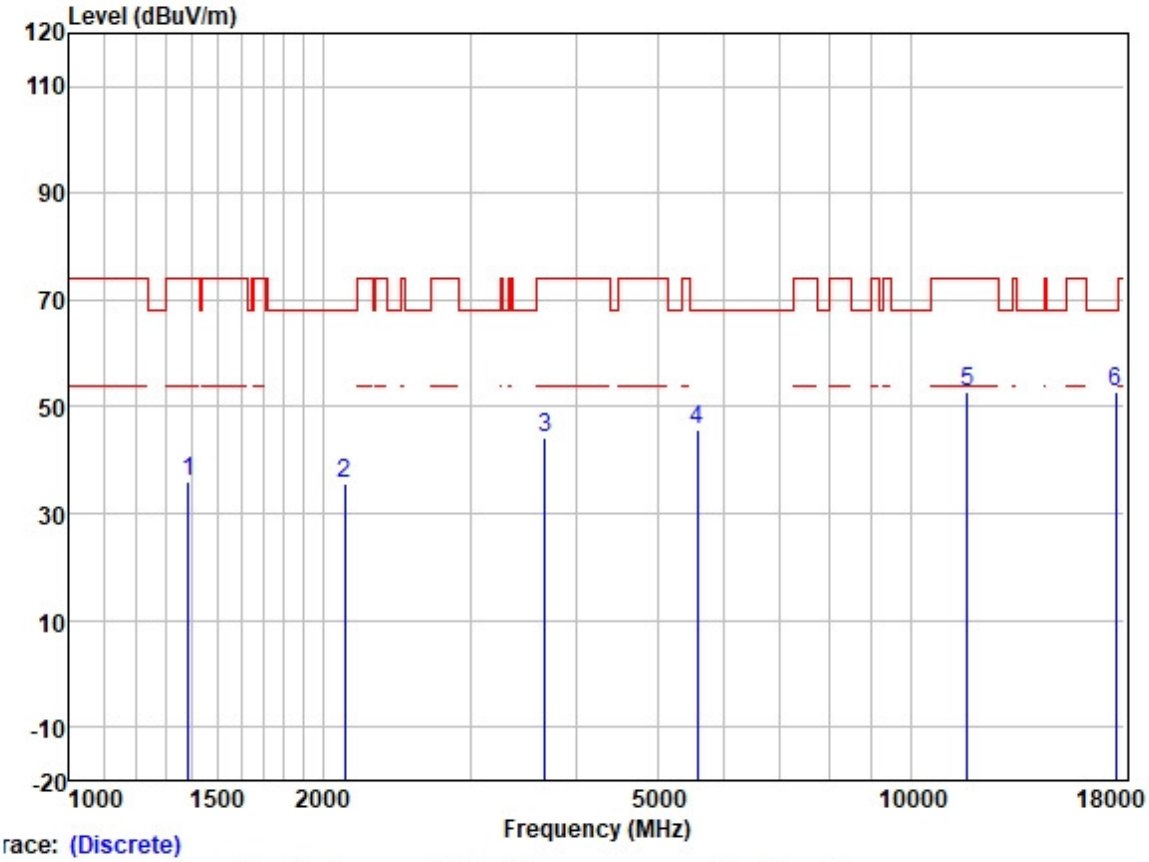
Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1593.277	46.95	25.57	2.80	37.98	37.34	74.00	-36.66	VERTICAL	Peak
2	2089.612	47.57	26.27	3.15	37.68	39.31	68.20	-28.89	VERTICAL	Peak
3	4216.218	49.90	30.22	4.60	36.81	47.91	74.00	-26.09	VERTICAL	Peak
4	6256.884	50.05	33.20	6.02	36.95	52.32	68.20	-15.88	VERTICAL	Peak
5	11573.000	42.01	39.78	8.38	37.14	53.03	74.00	-20.97	VERTICAL	Peak
6	17359.500	33.59	43.40	10.39	35.32	52.06	68.20	-16.14	VERTICAL	Peak

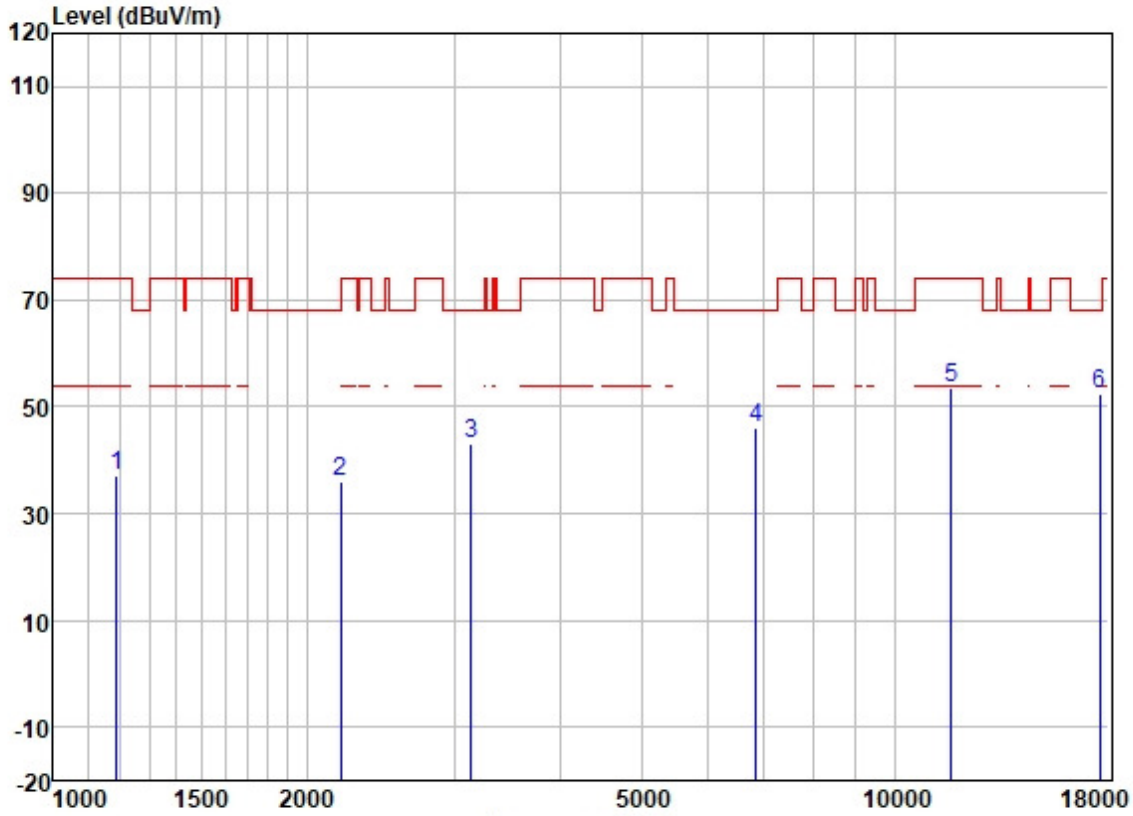
Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1384.141	46.34	25.37	2.60	38.25	36.06	74.00	-37.94	HORIZONTAL	Peak
2	2127.448	43.82	26.36	3.17	37.67	35.68	68.20	-32.52	HORIZONTAL	Peak
3	3681.202	47.39	29.20	4.54	36.88	44.25	74.00	-29.75	HORIZONTAL	Peak
4	5573.157	44.35	31.86	6.33	36.89	45.65	68.20	-22.55	HORIZONTAL	Peak
5	11693.000	42.01	39.49	8.32	37.13	52.69	74.00	-21.31	HORIZONTAL	Peak
6	17539.500	33.41	43.97	10.76	35.31	52.83	68.20	-15.37	HORIZONTAL	Peak

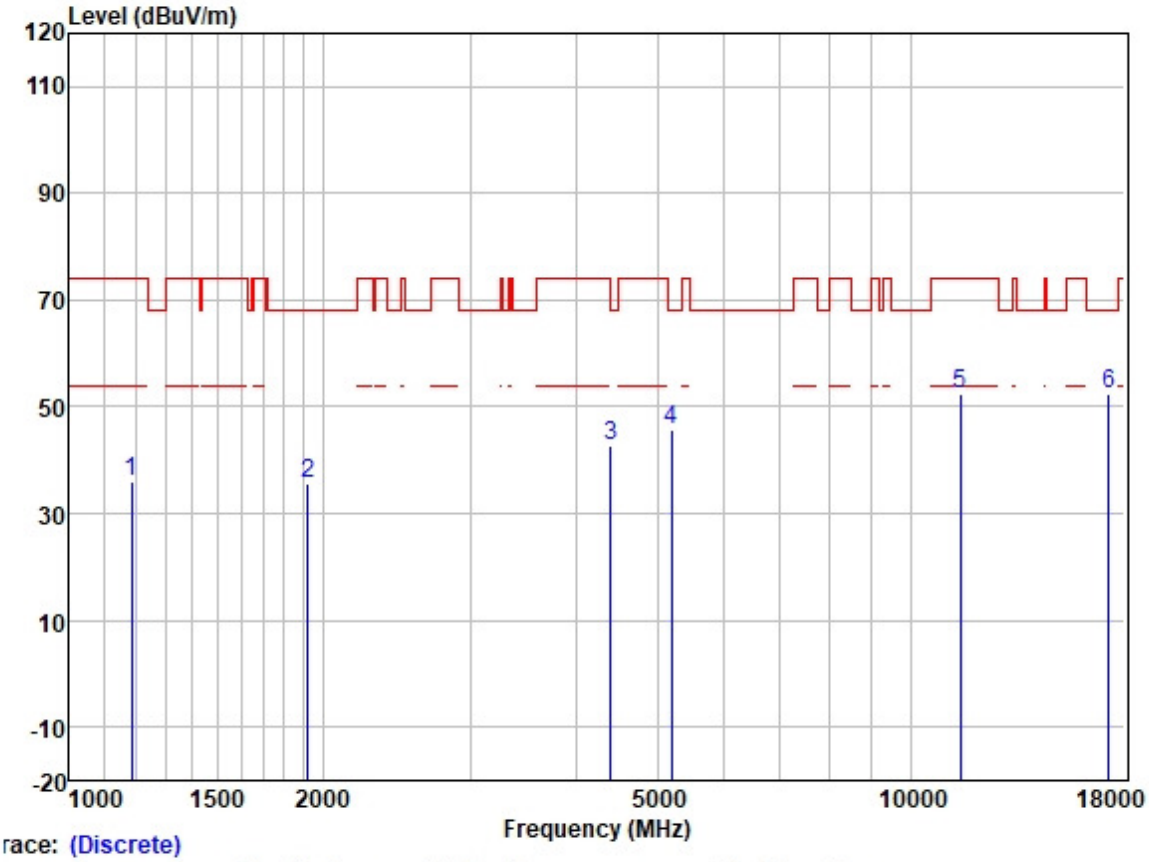
Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1188.094	48.34	24.63	2.36	38.39	36.94	74.00	-37.06	VERTICAL	Peak
2	2194.428	43.82	26.59	3.20	37.65	35.96	68.20	-32.24	VERTICAL	Peak
3	3138.643	47.76	28.51	3.95	37.12	43.10	68.20	-25.10	VERTICAL	Peak
4	6850.276	42.57	34.78	5.82	37.15	46.02	68.20	-22.18	VERTICAL	Peak
5	11693.000	42.74	39.49	8.32	37.13	53.42	74.00	-20.58	VERTICAL	Peak
6	17539.500	32.97	43.97	10.76	35.31	52.39	68.20	-15.81	VERTICAL	Peak

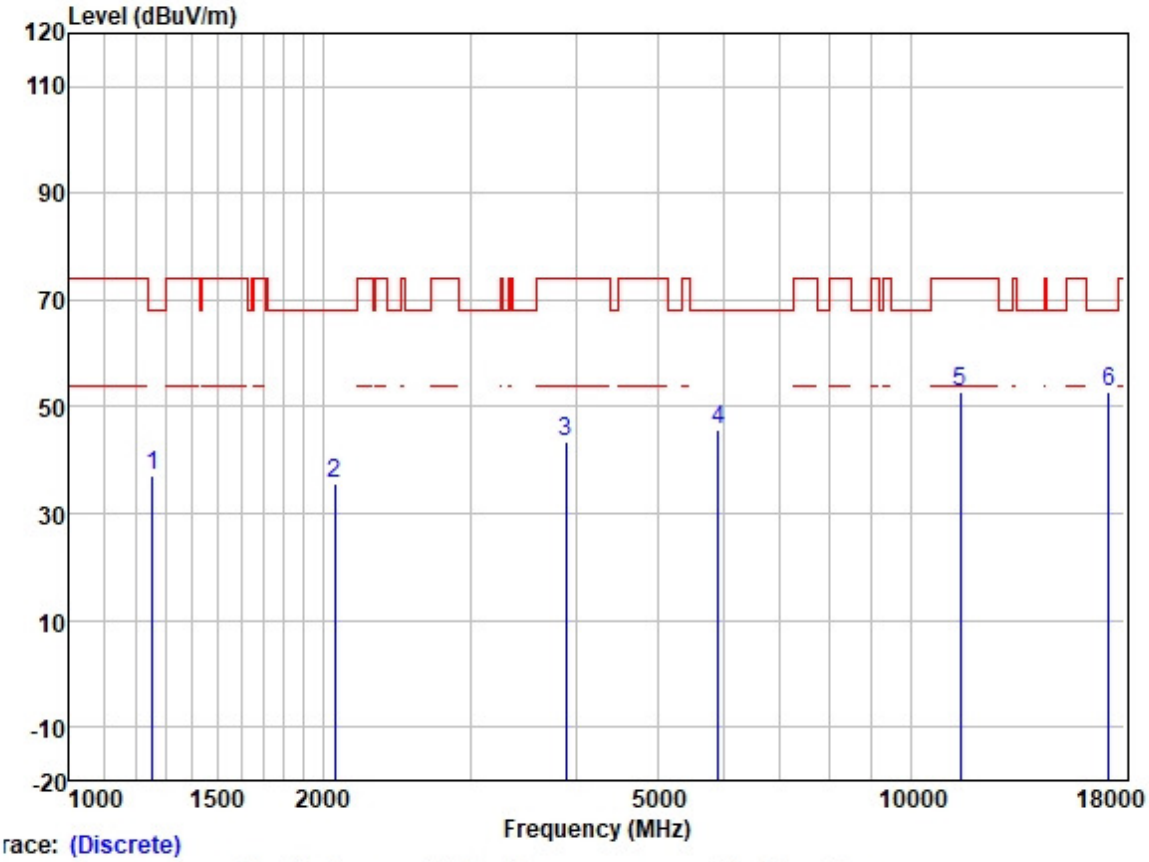
Test Mode: 23; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1184.027	47.57	24.60	2.37	38.40	36.14	74.00	-37.86	HORIZONTAL	Peak
2	1920.401	44.22	26.06	2.94	37.74	35.48	68.20	-32.72	HORIZONTAL	Peak
3	4398.584	44.24	30.66	4.70	36.81	42.79	74.00	-31.21	HORIZONTAL	Peak
4	5202.824	45.10	31.74	5.65	36.87	45.62	68.20	-22.58	HORIZONTAL	Peak
5	11460.240	41.43	39.91	8.37	37.15	52.56	74.00	-21.44	HORIZONTAL	Peak
6	17190.360	34.96	42.79	9.92	35.33	52.34	68.20	-15.86	HORIZONTAL	Peak

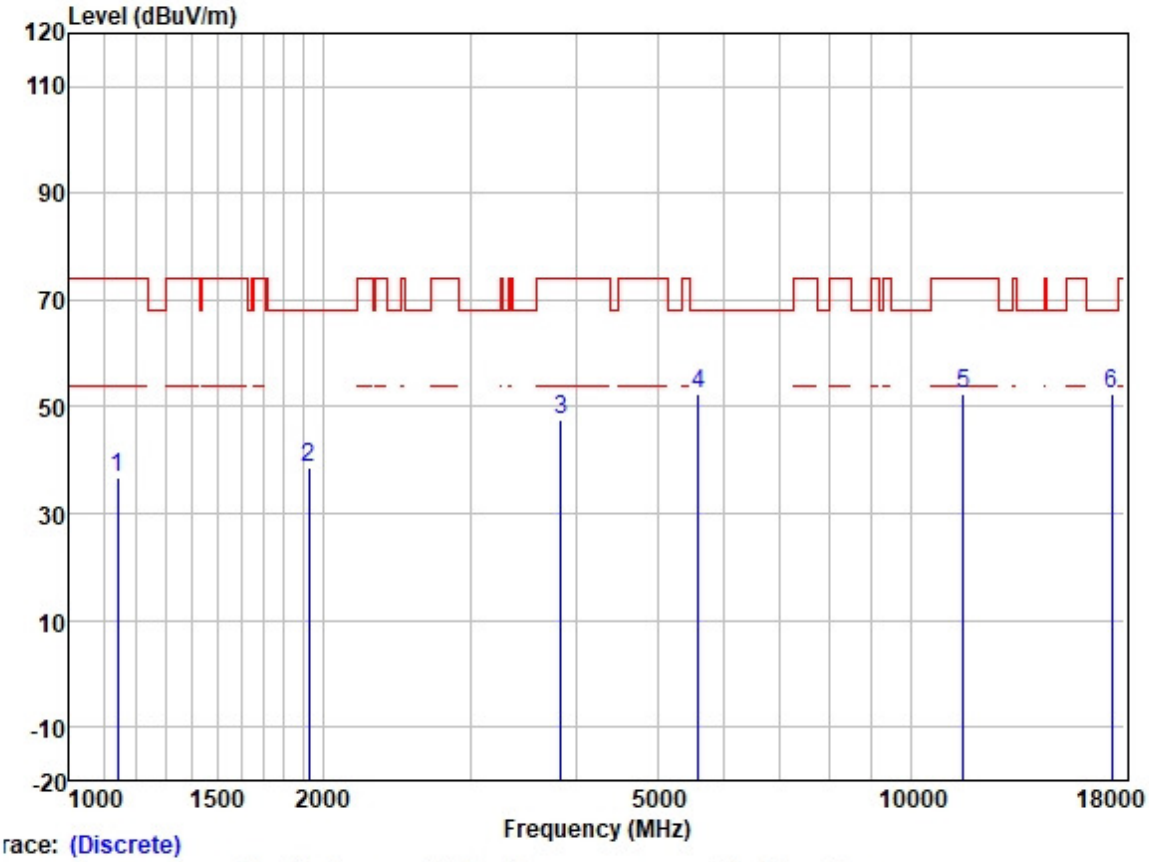
Test Mode: 23; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1256.160	47.87	25.05	2.38	38.35	36.95	68.20	-31.25	VERTICAL	Peak
2	2066.617	44.02	26.22	3.13	37.68	35.69	68.20	-32.51	VERTICAL	Peak
3	3897.493	46.09	29.69	4.60	36.82	43.56	74.00	-30.44	VERTICAL	Peak
4	5903.016	44.31	32.31	5.90	36.90	45.62	68.20	-22.58	VERTICAL	Peak
5	11460.240	41.53	39.91	8.37	37.15	52.66	74.00	-21.34	VERTICAL	Peak
6	17190.360	35.31	42.79	9.92	35.33	52.69	68.20	-15.51	VERTICAL	Peak

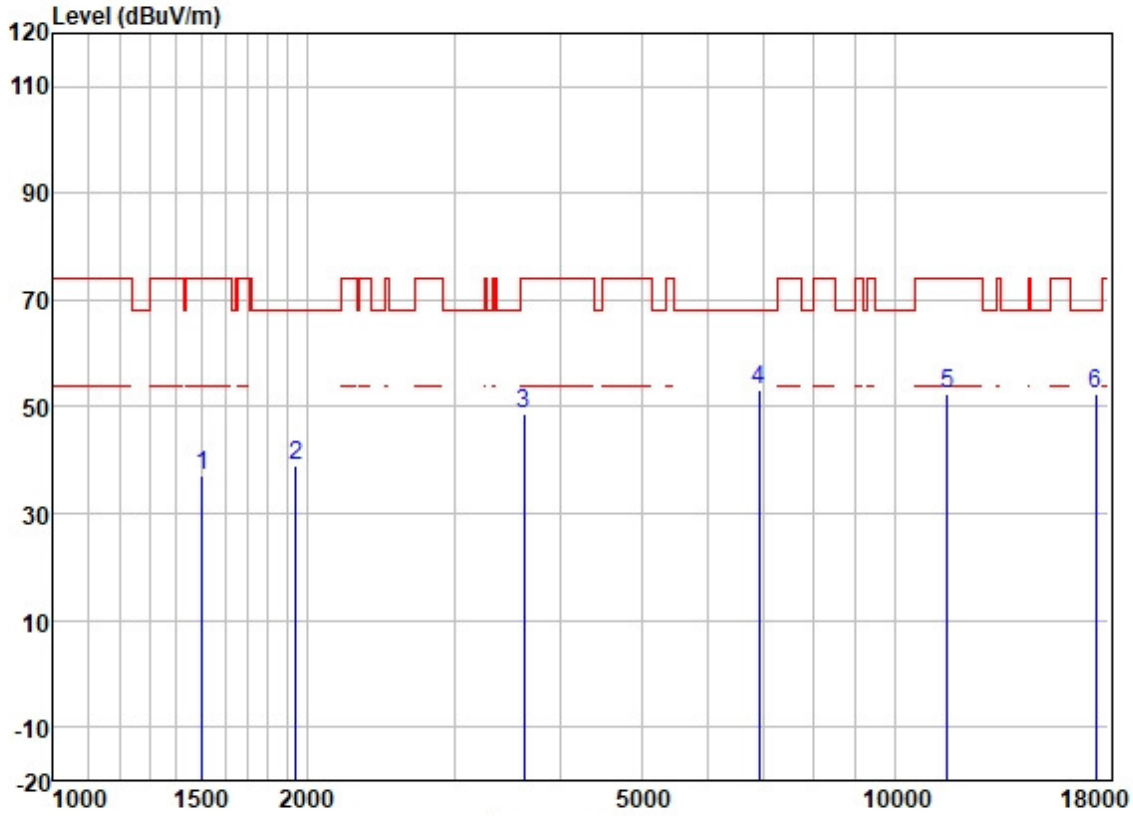
Test Mode: 23; Polarity: Horizontal; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1141.774	48.51	24.47	2.30	38.42	36.86	74.00	-37.14	HORIZONTAL	Peak
2	1927.227	47.31	26.06	2.95	37.74	38.58	68.20	-29.62	HORIZONTAL	Peak
3	3837.291	50.09	29.59	4.60	36.84	47.44	74.00	-26.56	HORIZONTAL	Peak
4	5594.101	51.22	31.89	6.30	36.89	52.52	68.20	-15.68	HORIZONTAL	Peak
5	11572.240	41.53	39.78	8.38	37.14	52.55	74.00	-21.45	HORIZONTAL	Peak
6	17358.360	34.03	43.40	10.39	35.32	52.50	68.20	-15.70	HORIZONTAL	Peak

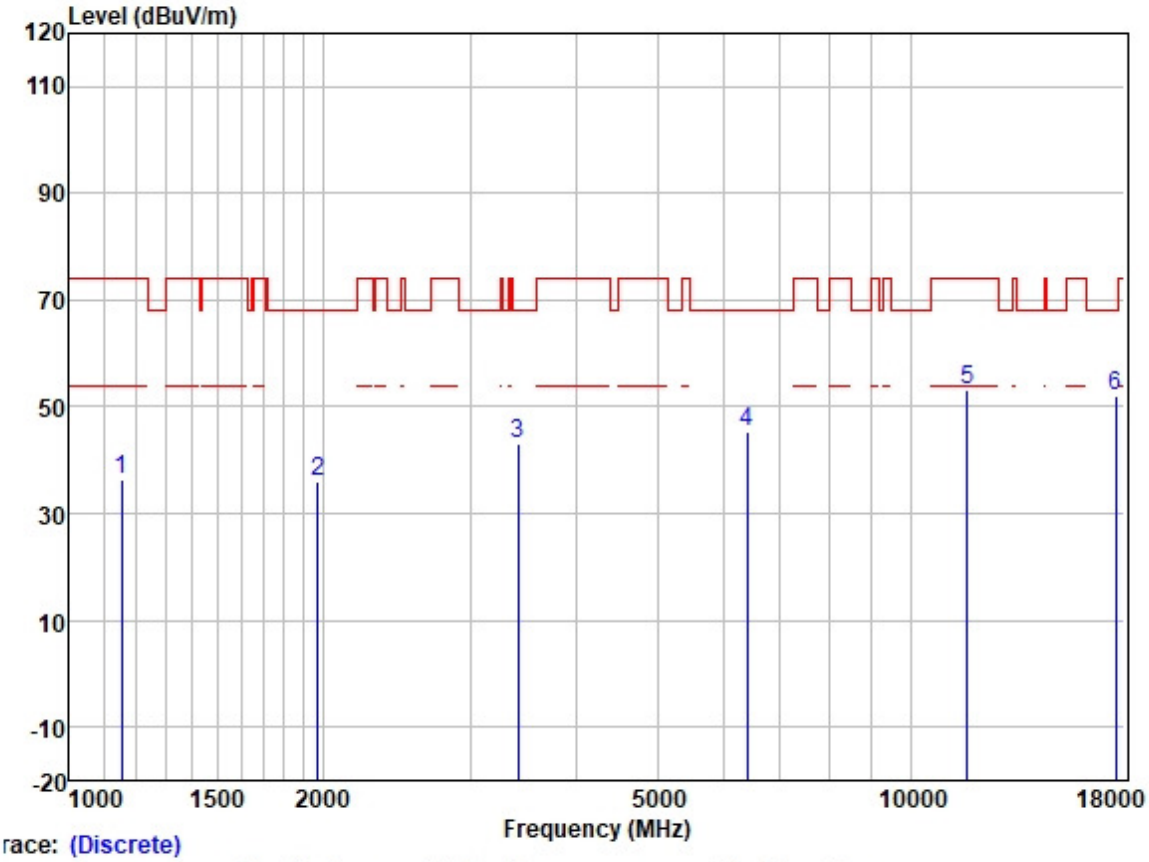
Test Mode: 23; Polarity: Vertical; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1503.671	46.93	25.50	2.80	38.10	37.13	74.00	-36.87	VERTICAL	Peak
2	1942.165	47.56	26.07	2.99	37.73	38.89	68.20	-29.31	VERTICAL	Peak
3	3625.128	51.98	29.09	4.51	36.90	48.68	74.00	-25.32	VERTICAL	Peak
4	6900.935	49.81	34.85	5.81	37.18	53.29	68.20	-14.91	VERTICAL	Peak
5	11572.240	41.25	39.78	8.38	37.14	52.27	74.00	-21.73	VERTICAL	Peak
6	17358.360	33.87	43.40	10.39	35.32	52.34	68.20	-15.86	VERTICAL	Peak

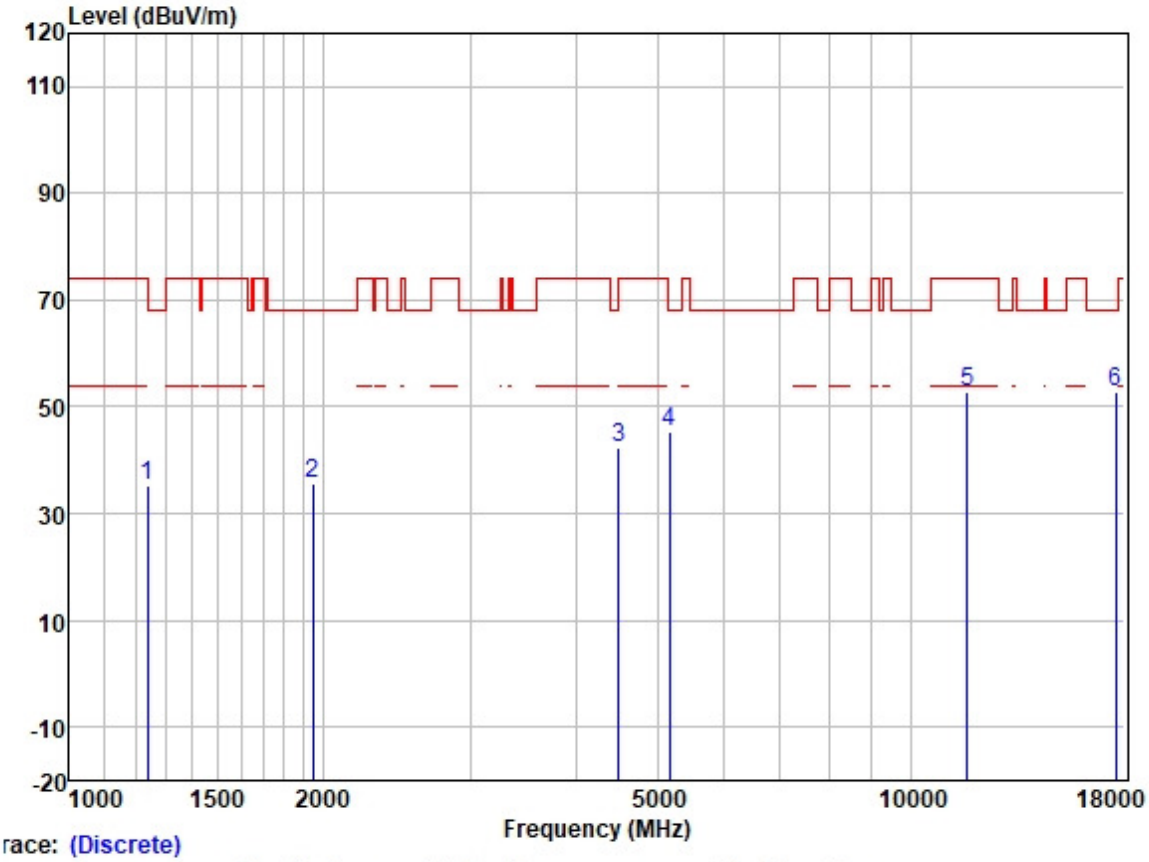
Test Mode: 23; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1154.310	47.86	24.51	2.38	38.42	36.33	74.00	-37.67	HORIZONTAL	Peak
2	1976.560	44.51	26.09	3.06	37.71	35.95	68.20	-32.25	HORIZONTAL	Peak
3	3412.962	47.17	28.85	4.13	36.97	43.18	68.20	-25.02	HORIZONTAL	Peak
4	6393.144	42.64	33.74	5.90	36.98	45.30	68.20	-22.90	HORIZONTAL	Peak
5	11696.240	42.58	39.49	8.32	37.13	53.26	74.00	-20.74	HORIZONTAL	Peak
6	17544.360	32.75	43.97	10.76	35.31	52.17	68.20	-16.03	HORIZONTAL	Peak

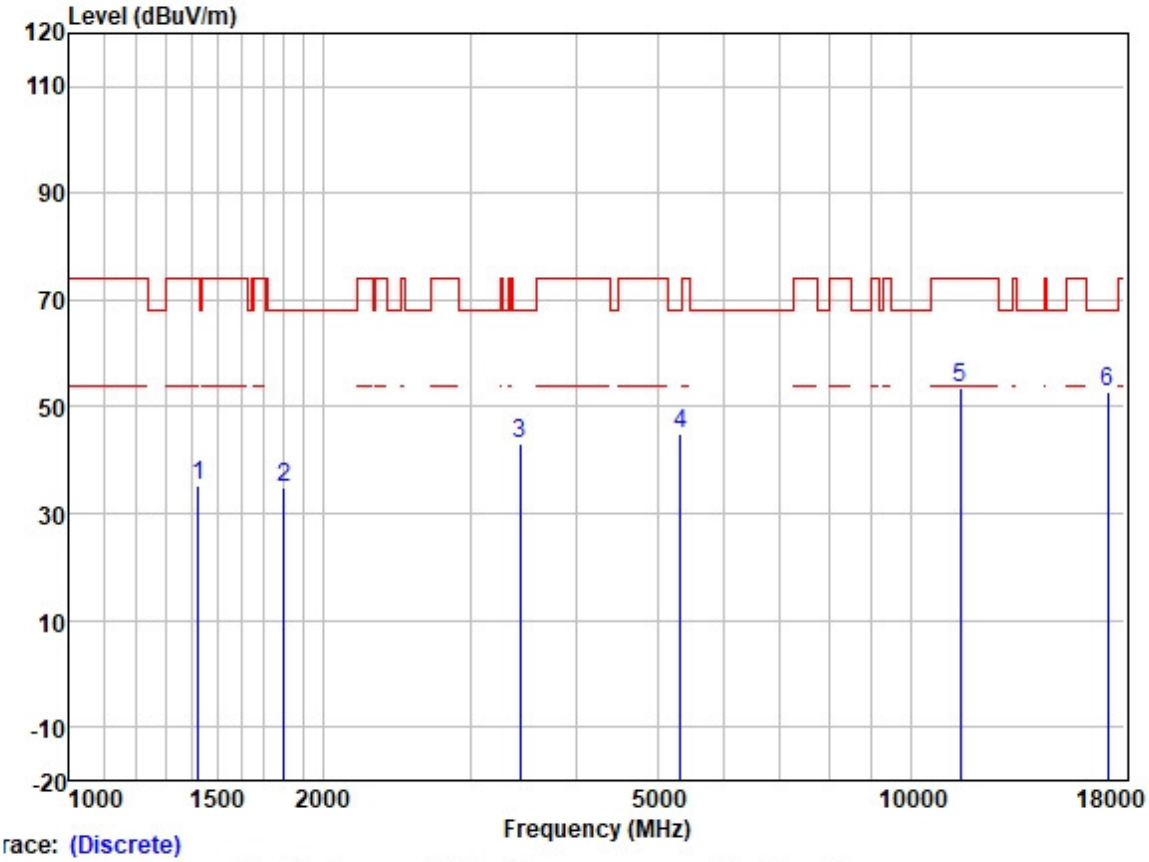
Test Mode: 23; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1237.319	46.41	24.96	2.30	38.37	35.30	74.00	-38.70	VERTICAL	Peak
2	1945.665	44.16	26.07	2.99	37.73	35.49	68.20	-32.71	VERTICAL	Peak
3	4495.755	43.42	30.80	5.05	36.82	42.45	68.20	-25.75	VERTICAL	Peak
4	5167.879	44.95	31.73	5.61	36.87	45.42	68.20	-22.78	VERTICAL	Peak
5	11696.240	42.28	39.49	8.32	37.13	52.96	74.00	-21.04	VERTICAL	Peak
6	17544.360	33.49	43.97	10.76	35.31	52.91	68.20	-15.29	VERTICAL	Peak

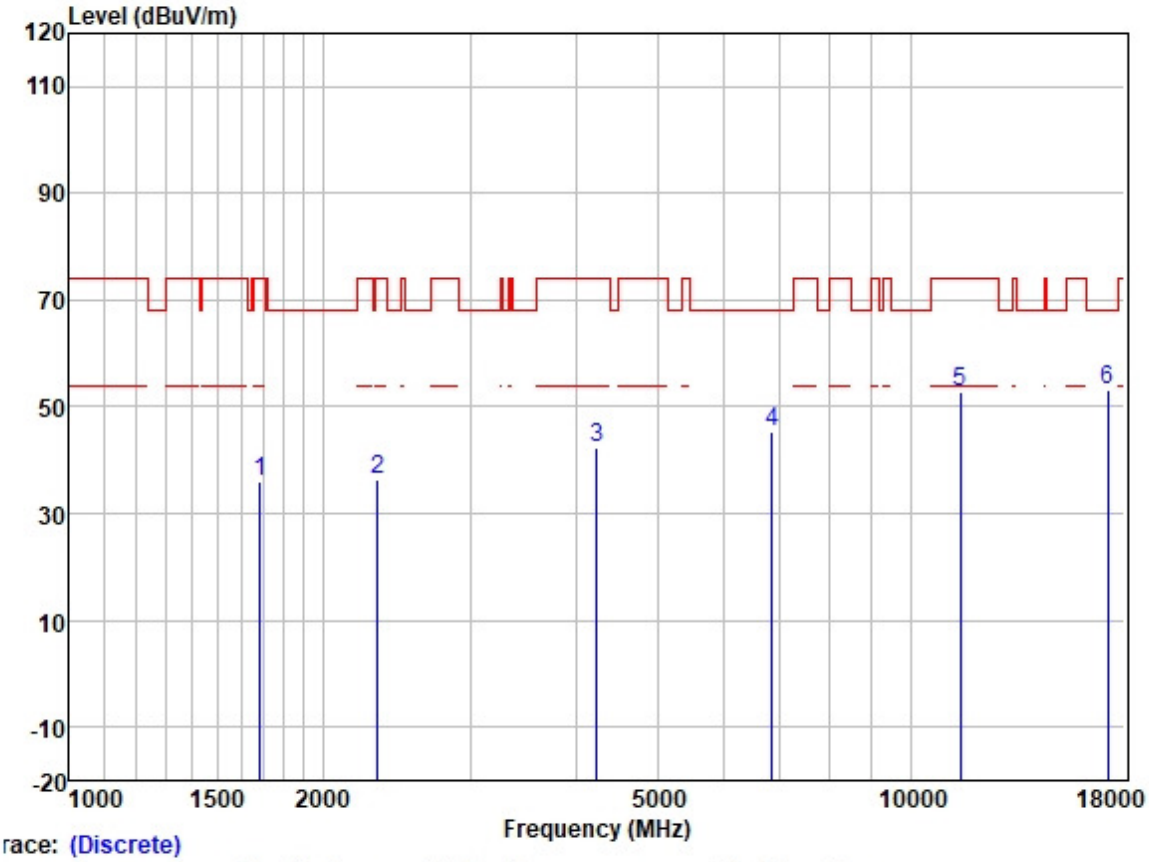
Test Mode: 24; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1422.904	45.51	25.42	2.64	38.20	35.37	74.00	-38.63	HORIZONTAL	Peak
2	1801.909	43.75	25.95	3.00	37.81	34.89	68.20	-33.31	HORIZONTAL	Peak
3	3430.297	47.10	28.86	4.15	36.97	43.14	68.20	-25.06	HORIZONTAL	Peak
4	5323.500	44.11	31.77	6.07	36.88	45.07	68.20	-23.13	HORIZONTAL	Peak
5	11455.000	42.36	39.91	8.37	37.15	53.49	74.00	-20.51	HORIZONTAL	Peak
6	17182.500	35.24	42.79	9.92	35.33	52.62	68.20	-15.58	HORIZONTAL	Peak

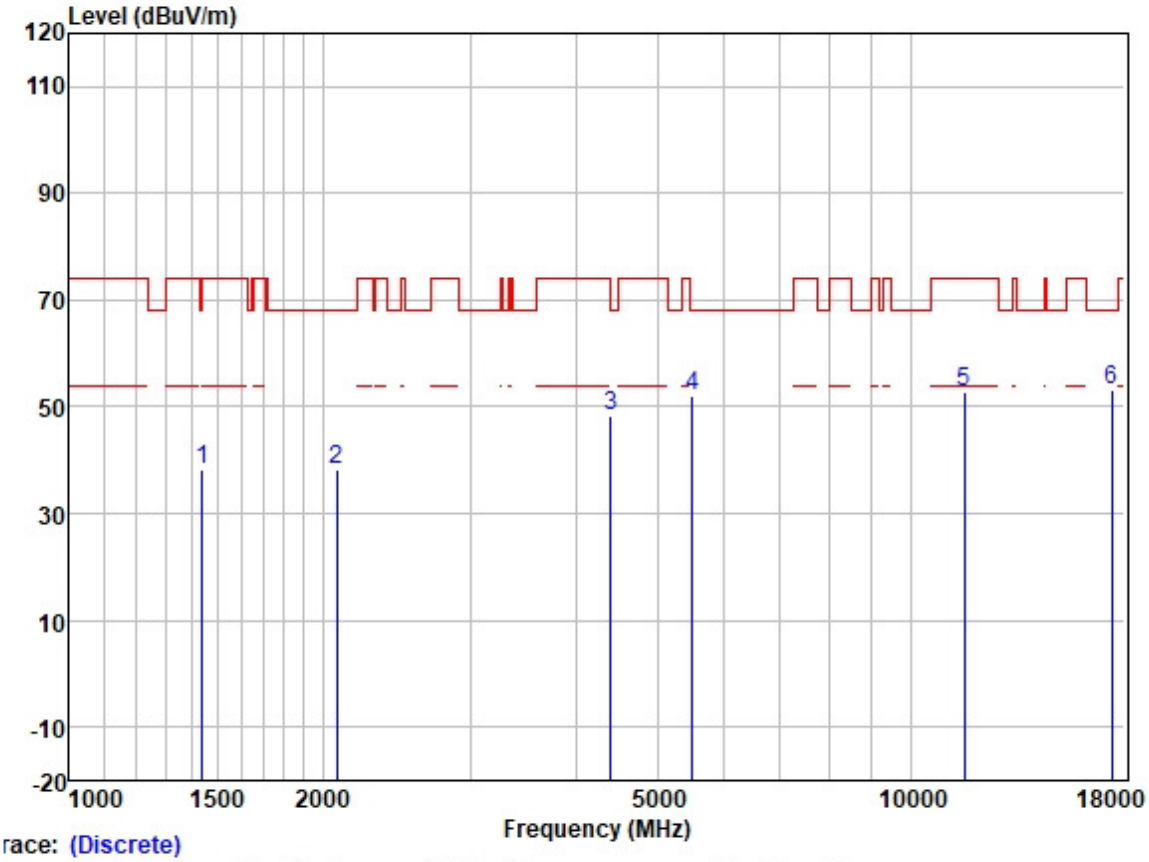
Test Mode: 24; Polarity: Vertical; Modulation:OFDM; Channel:Low



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1684.444	45.31	25.68	2.80	37.91	35.88	74.00	-38.12	VERTICAL	Peak
2	2323.046	43.46	27.19	3.34	37.62	36.37	74.00	-37.63	VERTICAL	Peak
3	4235.160	44.40	30.26	4.61	36.81	42.46	74.00	-31.54	VERTICAL	Peak
4	6849.492	41.93	34.78	5.82	37.15	45.38	68.20	-22.82	VERTICAL	Peak
5	11455.000	41.62	39.91	8.37	37.15	52.75	74.00	-21.25	VERTICAL	Peak
6	17182.500	35.82	42.79	9.92	35.33	53.20	68.20	-15.00	VERTICAL	Peak

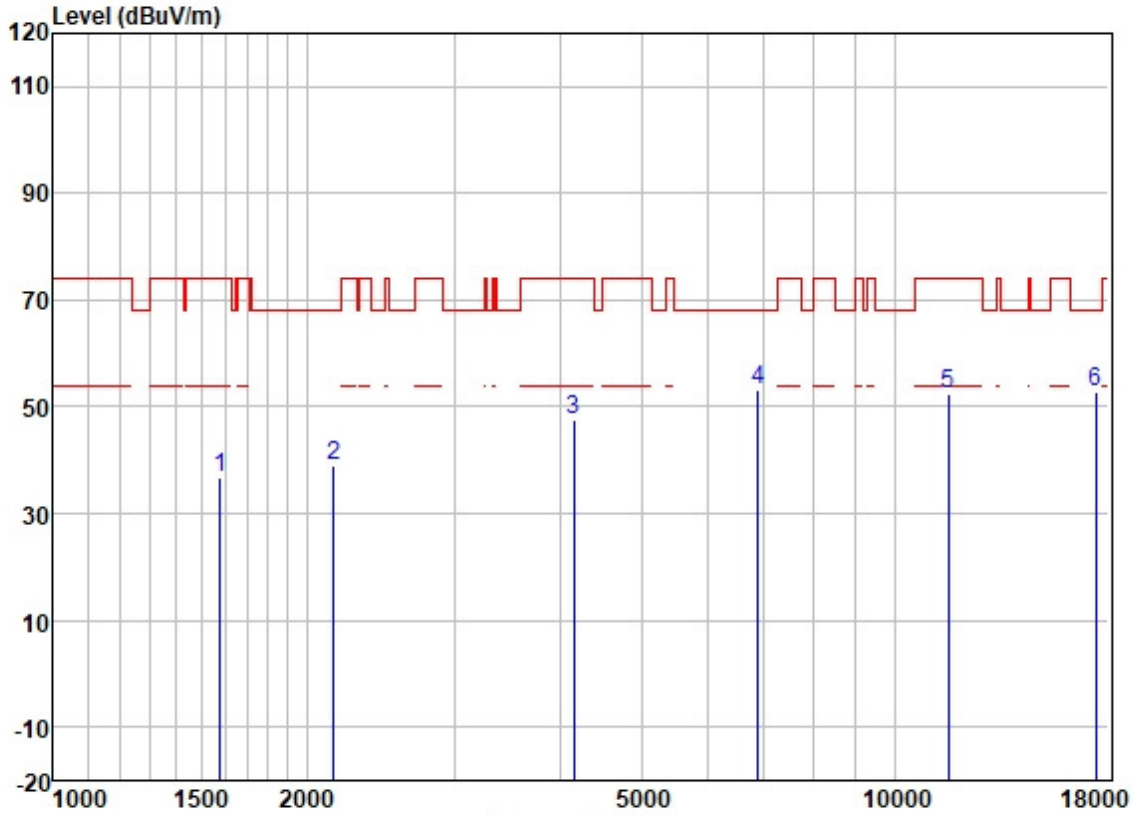
Test Mode: 24; Polarity: Horizontal; Modulation:OFDM; Channel:middle



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1440.093	48.23	25.44	2.68	38.17	38.18	74.00	-35.82	HORIZONTAL	Peak
2	2079.436	46.72	26.24	3.14	37.68	38.42	68.20	-29.78	HORIZONTAL	Peak
3	4402.869	49.65	30.68	4.70	36.81	48.22	68.20	-19.98	HORIZONTAL	Peak
4	5508.262	50.91	31.80	6.40	36.88	52.23	68.20	-15.97	HORIZONTAL	Peak
5	11575.000	41.60	39.78	8.38	37.14	52.62	74.00	-21.38	HORIZONTAL	Peak
6	17362.500	34.35	43.57	10.53	35.32	53.13	68.20	-15.07	HORIZONTAL	Peak

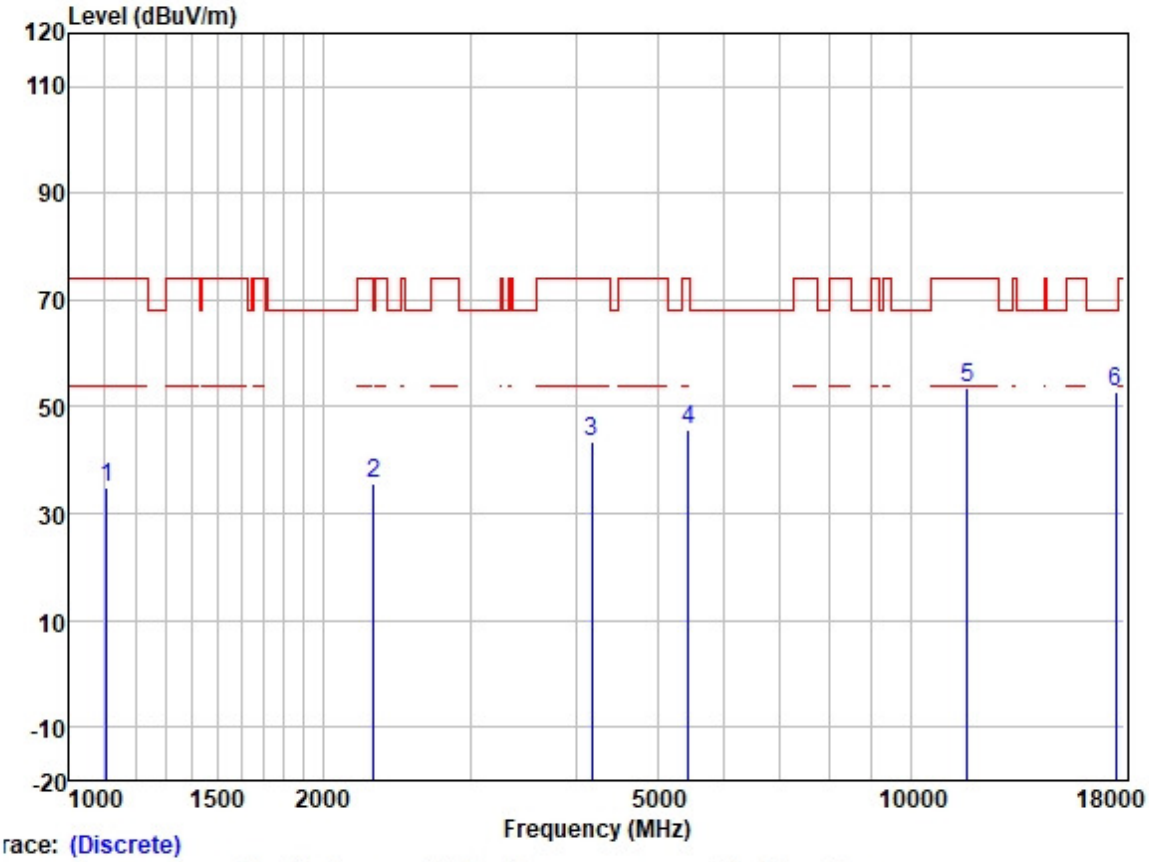
Test Mode: 24; Polarity: Vertical; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1579.561	46.39	25.56	2.80	38.00	36.75	74.00	-37.25	VERTICAL	Peak
2	2156.009	46.94	26.45	3.18	37.66	38.91	68.20	-29.29	VERTICAL	Peak
3	4152.194	49.82	30.06	4.60	36.80	47.68	74.00	-26.32	VERTICAL	Peak
4	6884.094	49.63	34.82	5.82	37.16	53.11	68.20	-15.09	VERTICAL	Peak
5	11575.000	41.51	39.78	8.38	37.14	52.53	74.00	-21.47	VERTICAL	Peak
6	17362.500	33.98	43.57	10.53	35.32	52.76	68.20	-15.44	VERTICAL	Peak

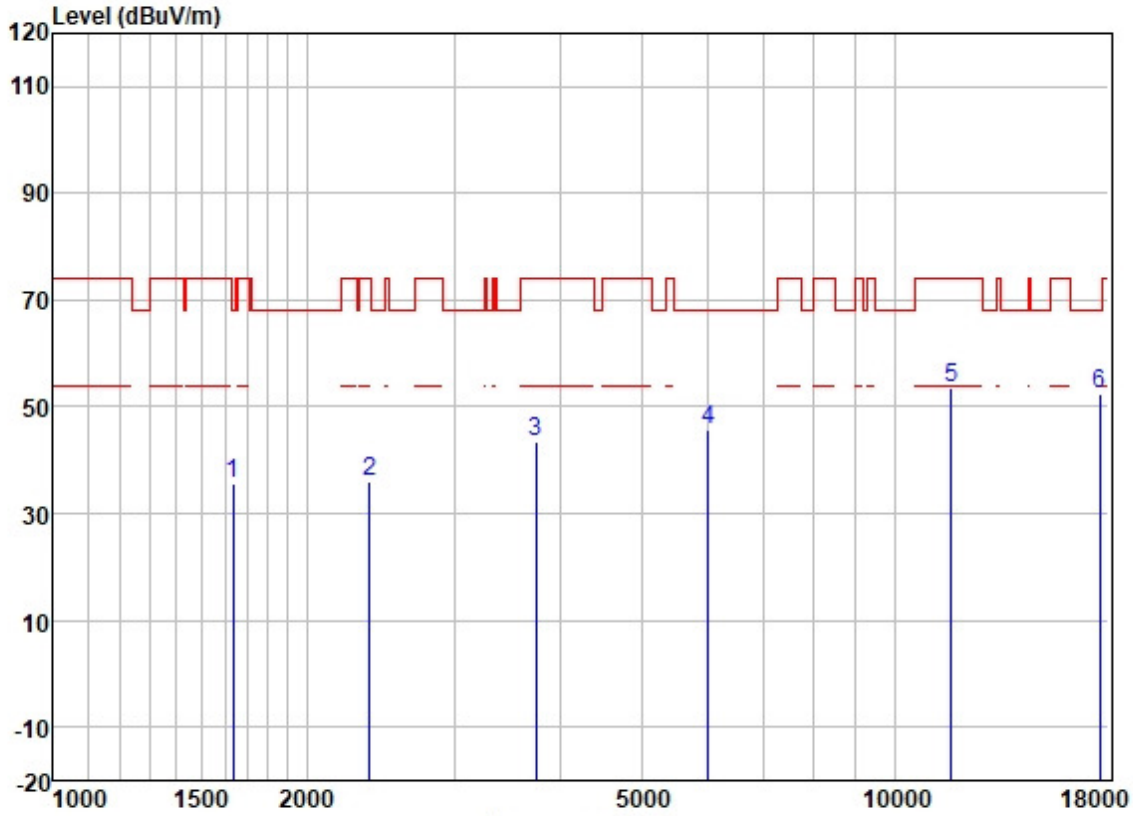
Test Mode: 24; Polarity: Horizontal; Modulation:OFDM; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1108.488	46.78	24.39	2.27	38.45	34.99	74.00	-39.01	HORIZONTAL	Peak
2	2298.083	42.88	27.11	3.30	37.62	35.67	74.00	-38.33	HORIZONTAL	Peak
3	4184.316	45.41	30.12	4.60	36.80	43.33	74.00	-30.67	HORIZONTAL	Peak
4	5441.019	44.49	31.79	6.20	36.88	45.60	74.00	-28.40	HORIZONTAL	Peak
5	11689.000	42.78	39.49	8.32	37.13	53.46	74.00	-20.54	HORIZONTAL	Peak
6	17533.500	33.52	43.97	10.76	35.31	52.94	68.20	-15.26	HORIZONTAL	Peak

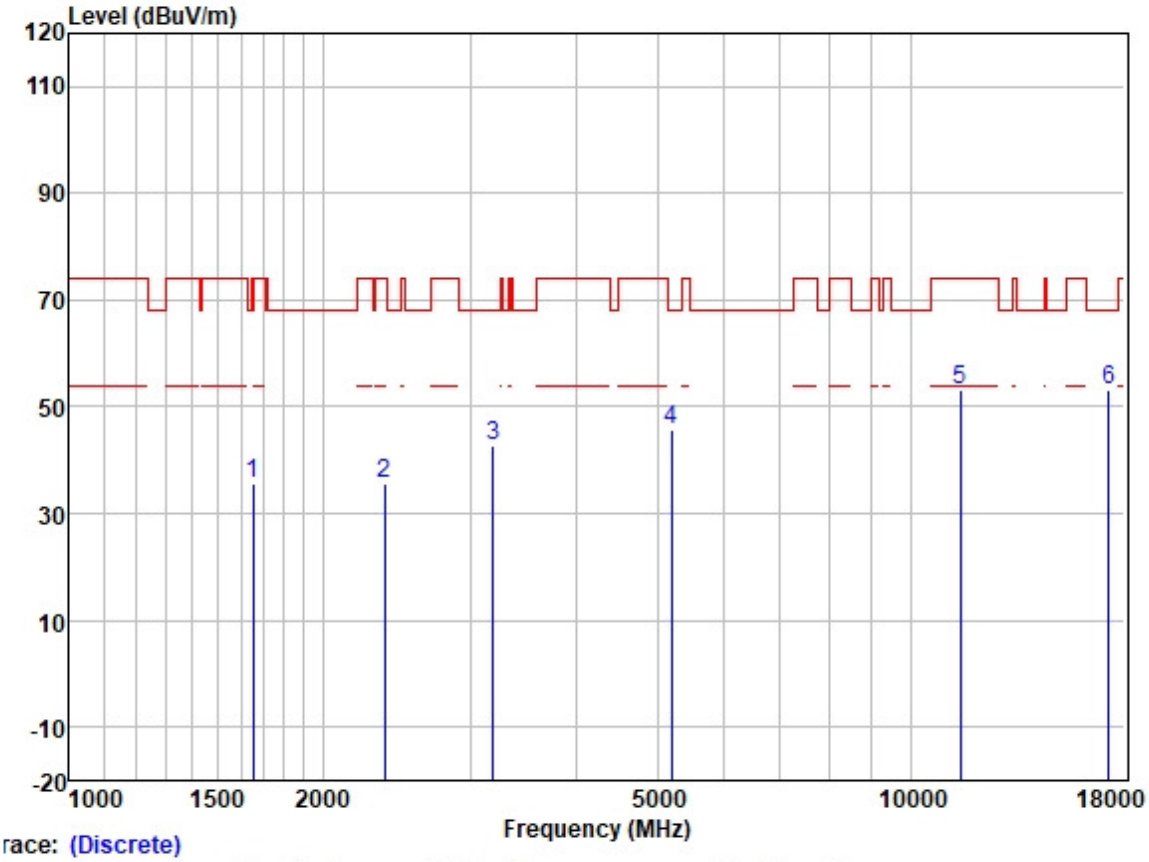
Test Mode: 24; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1634.208	45.25	25.62	2.80	37.95	35.72	68.20	-32.48	VERTICAL	Peak
2	2378.823	42.80	27.31	3.46	37.60	35.97	74.00	-38.03	VERTICAL	Peak
3	3743.244	46.26	29.39	4.58	36.86	43.37	74.00	-30.63	VERTICAL	Peak
4	6013.553	43.98	32.44	6.19	36.90	45.71	68.20	-22.49	VERTICAL	Peak
5	11689.000	42.75	39.49	8.32	37.13	53.43	74.00	-20.57	VERTICAL	Peak
6	17533.500	32.99	43.97	10.76	35.31	52.41	68.20	-15.79	VERTICAL	Peak

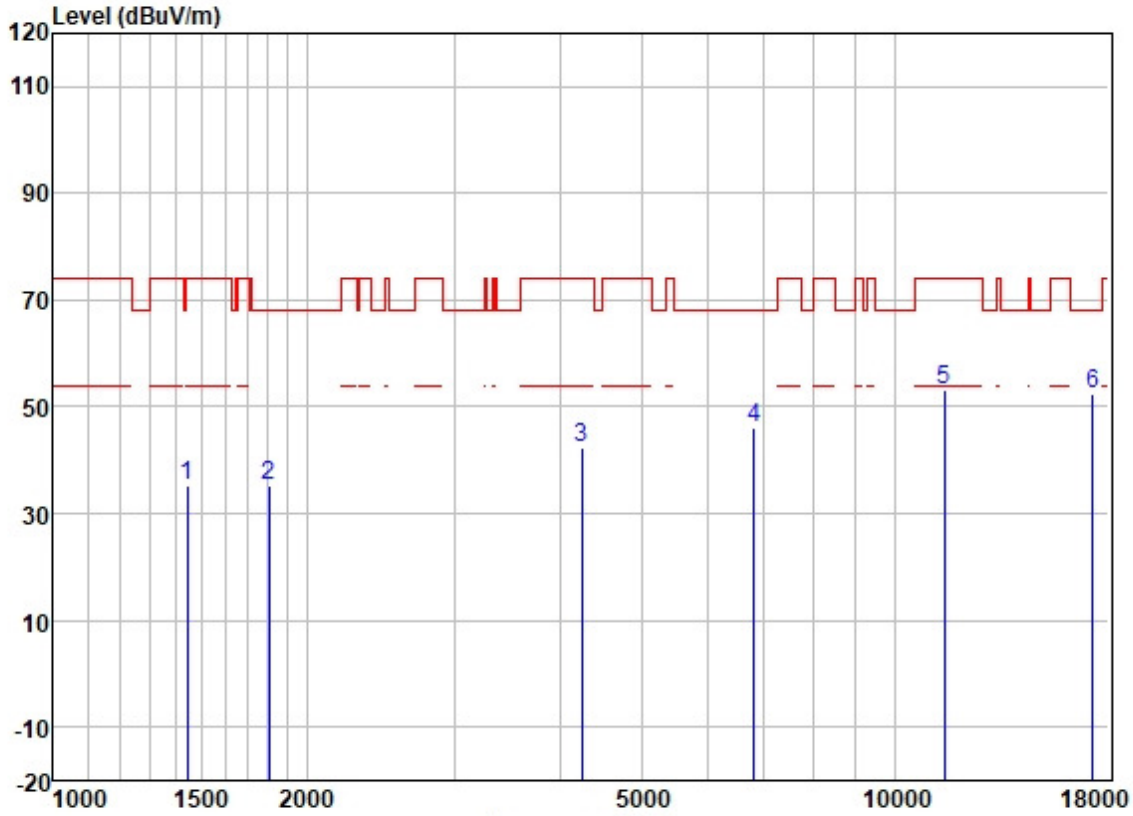
Test Mode: 25; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1654.258	45.22	25.64	2.80	37.93	35.73	68.20	-32.47	HORIZONTAL	Peak
2	2369.287	42.59	27.28	3.43	37.60	35.70	74.00	-38.30	HORIZONTAL	Peak
3	3188.878	47.40	28.57	3.99	37.09	42.87	68.20	-25.33	HORIZONTAL	Peak
4	5194.917	45.23	31.73	5.60	36.87	45.69	68.20	-22.51	HORIZONTAL	Peak
5	11460.400	41.87	39.91	8.37	37.15	53.00	74.00	-21.00	HORIZONTAL	Peak
6	17190.600	35.80	42.79	9.92	35.33	53.18	68.20	-15.02	HORIZONTAL	Peak

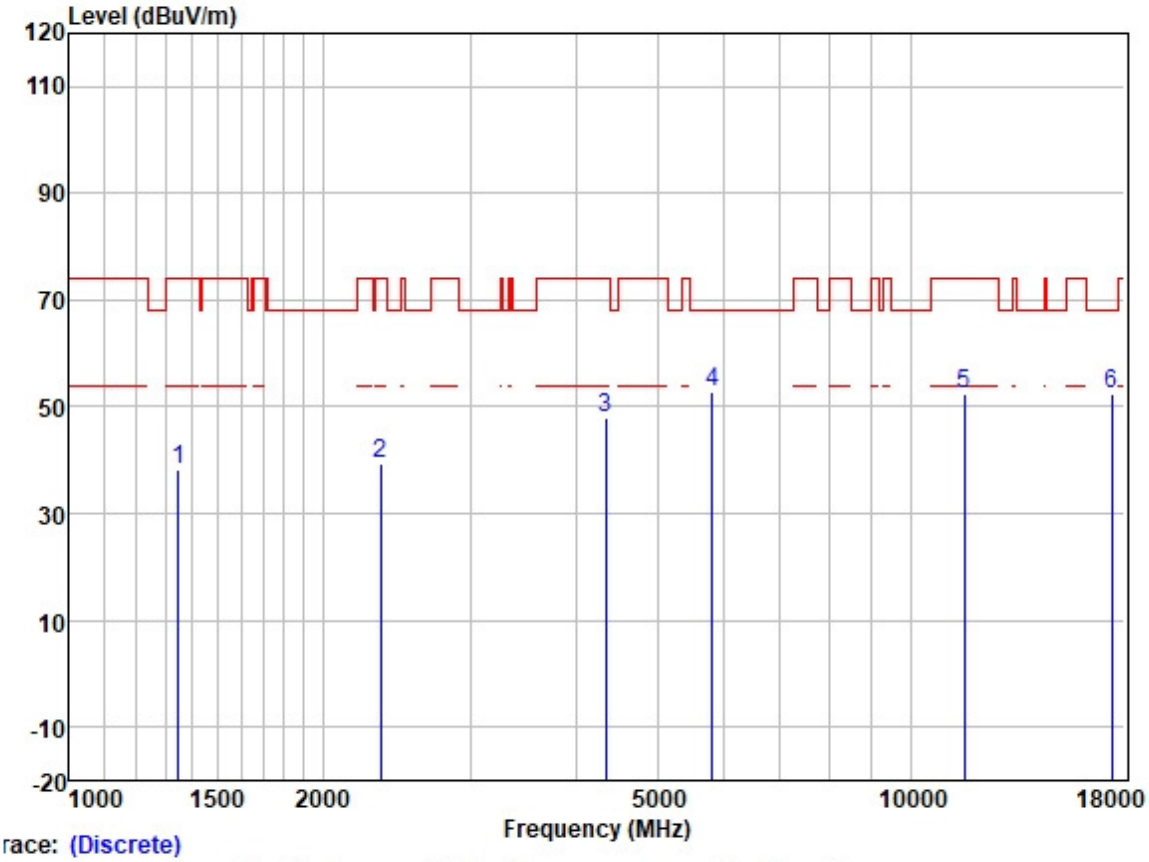
Test Mode: 25; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1443.520	45.38	25.44	2.69	38.17	35.34	74.00	-38.66	VERTICAL	Peak
2	1804.652	44.02	25.95	3.00	37.81	35.16	68.20	-33.04	VERTICAL	Peak
3	4246.013	44.30	30.30	4.62	36.81	42.41	74.00	-31.59	VERTICAL	Peak
4	6808.185	42.64	34.70	5.82	37.12	46.04	68.20	-22.16	VERTICAL	Peak
5	11460.400	41.88	39.91	8.37	37.15	53.01	74.00	-20.99	VERTICAL	Peak
6	17190.600	35.00	42.79	9.92	35.33	52.38	68.20	-15.82	VERTICAL	Peak

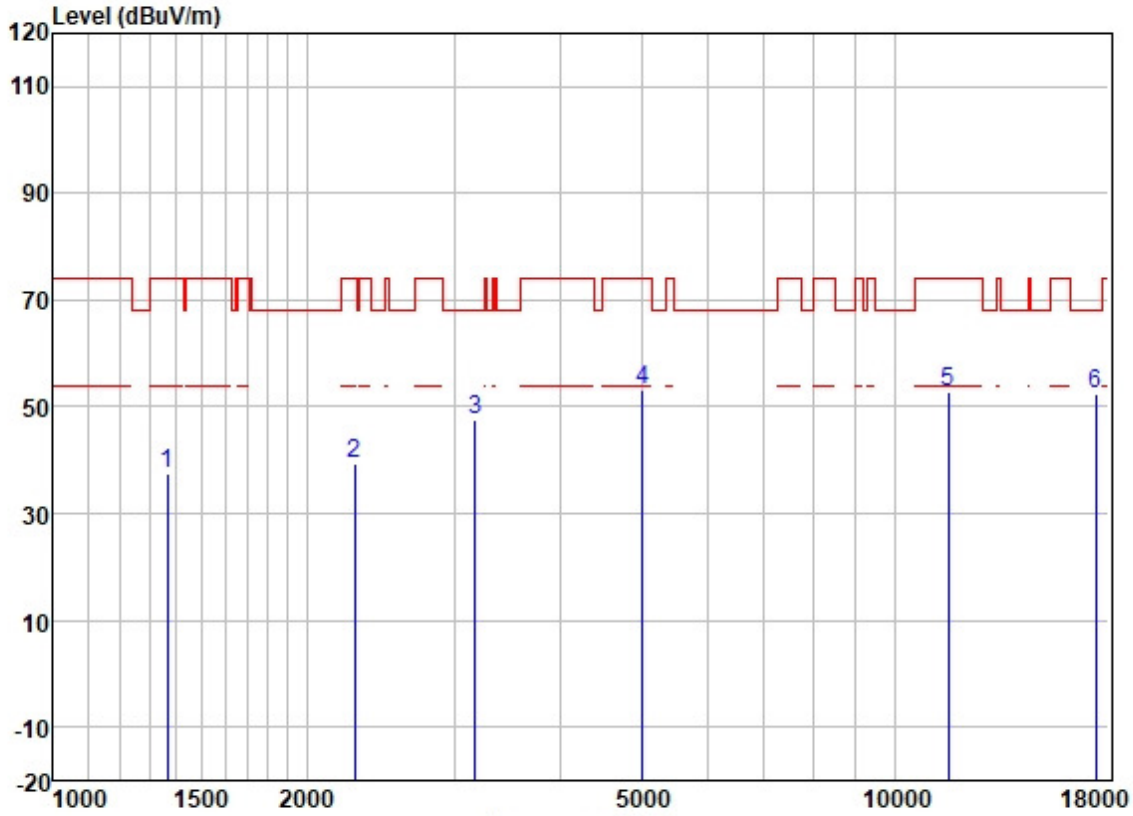
Test Mode: 25; Polarity: Horizontal; Modulation:OFDM; Channel:middle



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1348.781	48.45	25.31	2.60	38.27	38.09	74.00	-35.91	HORIZONTAL	Peak
2	2342.225	46.47	27.22	3.37	37.61	39.45	74.00	-34.55	HORIZONTAL	Peak
3	4344.700	49.37	30.57	4.67	36.81	47.80	74.00	-26.20	HORIZONTAL	Peak
4	5814.710	51.48	32.21	6.07	36.90	52.86	68.20	-15.34	HORIZONTAL	Peak
5	11574.400	41.56	39.78	8.38	37.14	52.58	74.00	-21.42	HORIZONTAL	Peak
6	17361.600	33.75	43.57	10.53	35.32	52.53	68.20	-15.67	HORIZONTAL	Peak

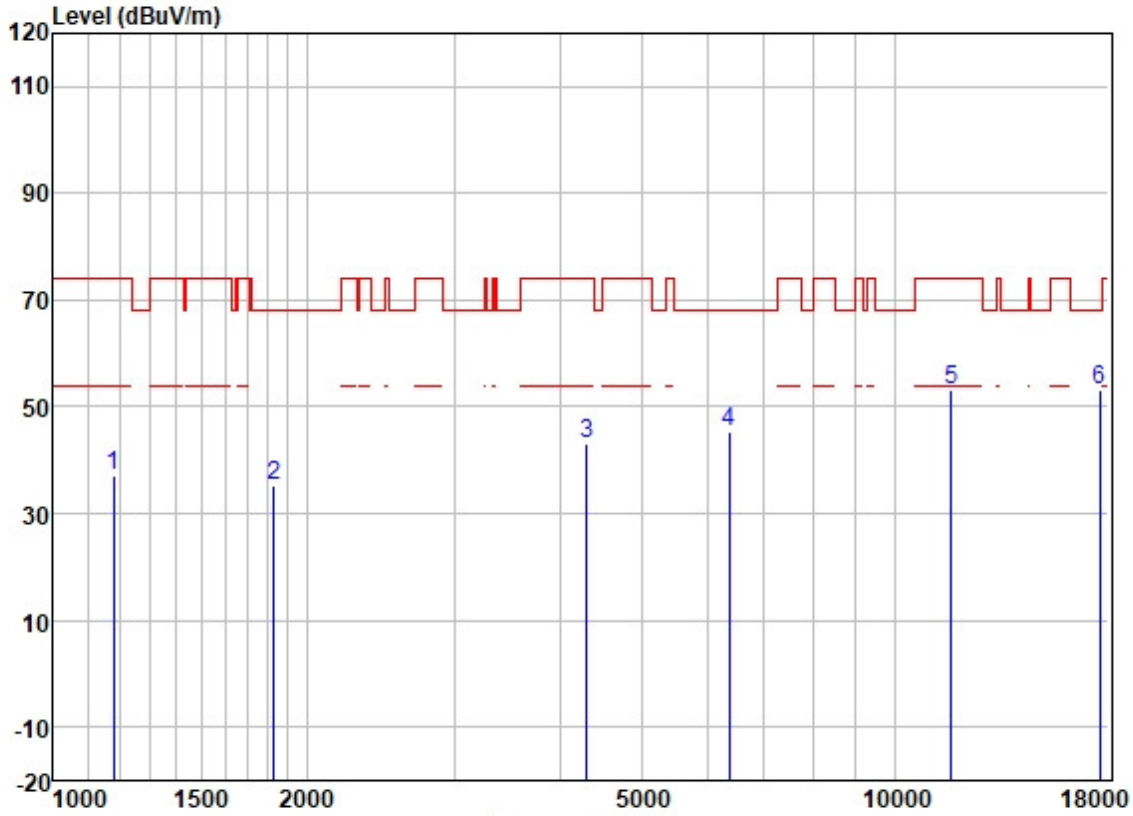
Test Mode: 25; Polarity: Vertical; Modulation:OFDM; Channel:middle



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1365.297	47.88	25.34	2.60	38.25	37.57	74.00	-36.43	VERTICAL	Peak
2	2284.388	46.50	27.06	3.29	37.63	39.22	74.00	-34.78	VERTICAL	Peak
3	3173.854	52.30	28.56	3.99	37.10	47.75	68.20	-20.45	VERTICAL	Peak
4	5011.103	52.63	31.70	5.69	36.85	53.17	74.00	-20.83	VERTICAL	Peak
5	11574.400	41.82	39.78	8.38	37.14	52.84	74.00	-21.16	VERTICAL	Peak
6	17361.600	33.64	43.57	10.53	35.32	52.42	68.20	-15.78	VERTICAL	Peak

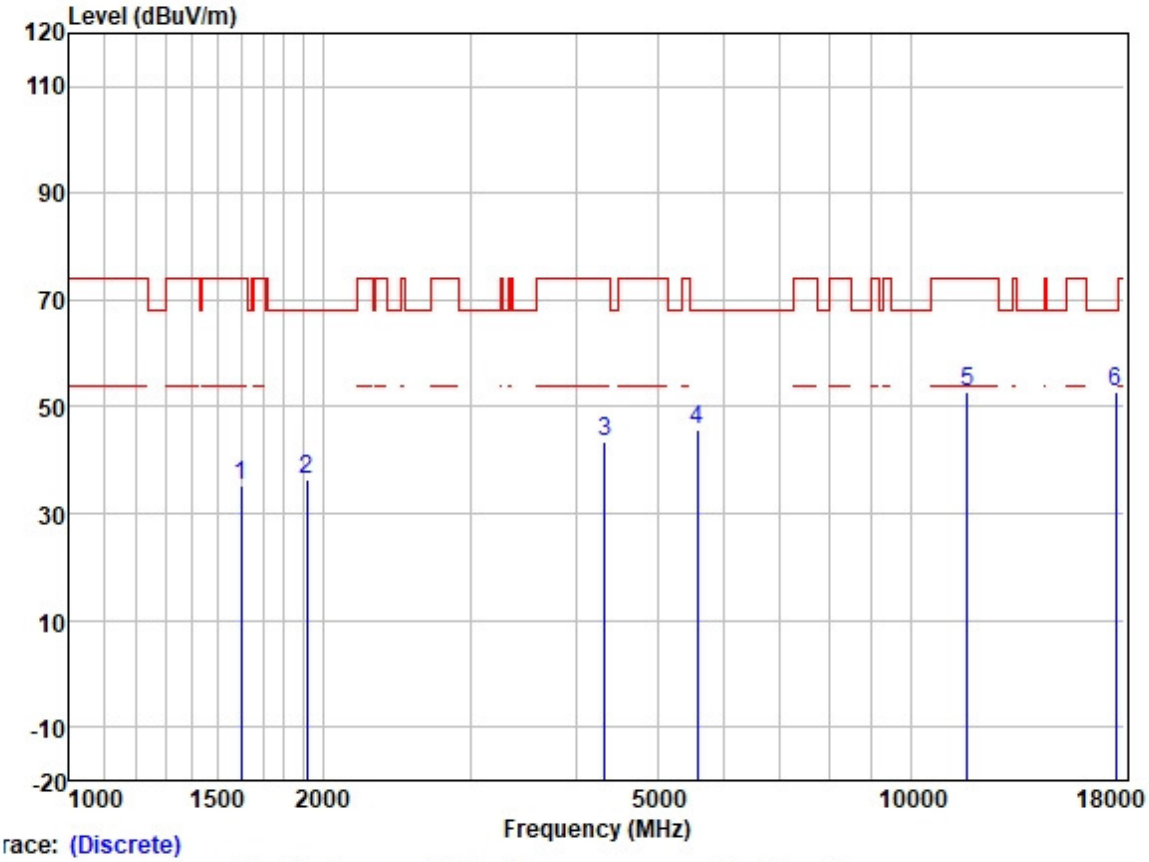
Test Mode: 25; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1178.413	48.56	24.59	2.38	38.40	37.13	74.00	-36.87	HORIZONTAL	Peak
2	1827.013	43.98	25.98	2.97	37.80	35.13	68.20	-33.07	HORIZONTAL	Peak
3	4302.510	44.66	30.48	4.65	36.81	42.98	74.00	-31.02	HORIZONTAL	Peak
4	6364.580	42.59	33.63	5.92	36.98	45.16	68.20	-23.04	HORIZONTAL	Peak
5	11694.400	42.43	39.49	8.32	37.13	53.11	74.00	-20.89	HORIZONTAL	Peak
6	17541.600	33.78	43.97	10.76	35.31	53.20	68.20	-15.00	HORIZONTAL	Peak

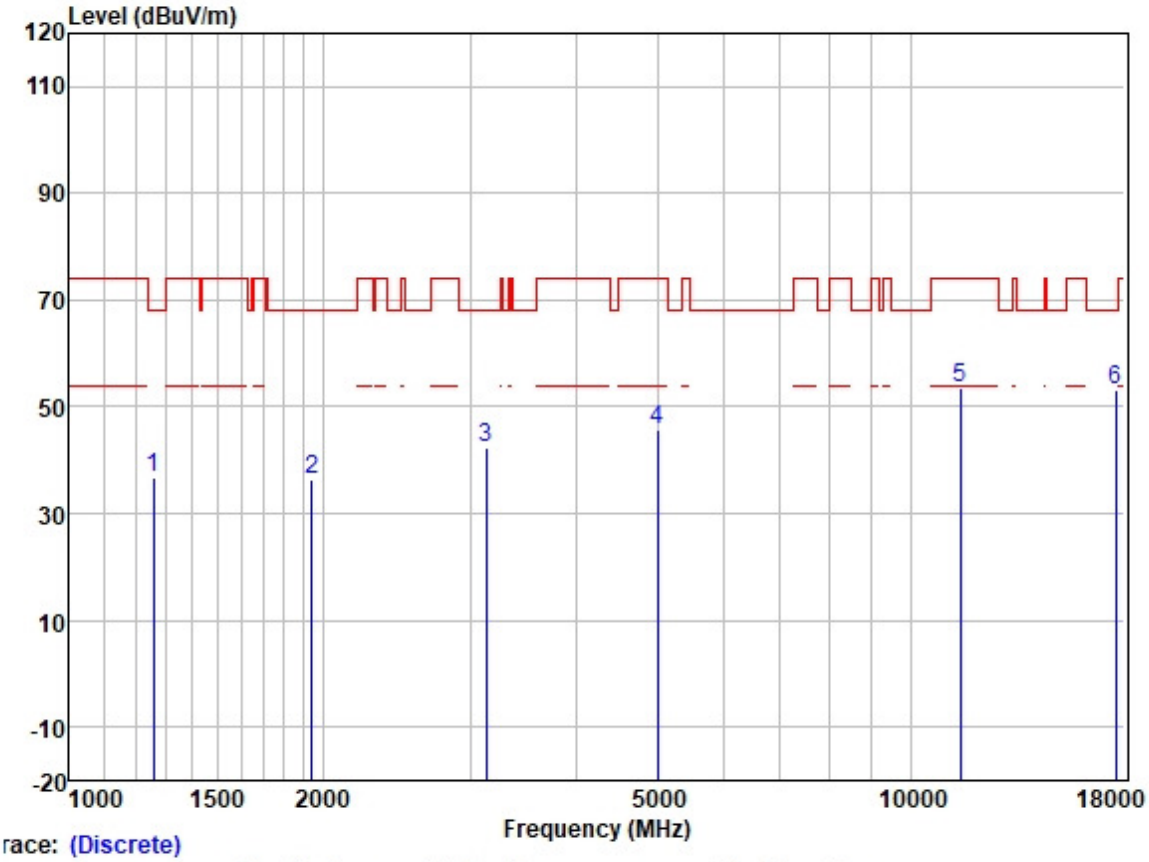
Test Mode: 25; Polarity: Vertical; Modulation:OFDM; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1602.402	44.68	25.58	2.80	37.98	35.08	74.00	-38.92	VERTICAL	Peak
2	1918.278	45.29	26.05	2.93	37.74	36.53	68.20	-31.67	VERTICAL	Peak
3	4331.729	44.93	30.54	4.67	36.81	43.33	74.00	-30.67	VERTICAL	Peak
4	5576.379	44.33	31.87	6.32	36.89	45.63	68.20	-22.57	VERTICAL	Peak
5	11694.400	42.03	39.49	8.32	37.13	52.71	74.00	-21.29	VERTICAL	Peak
6	17541.600	33.28	43.97	10.76	35.31	52.70	68.20	-15.50	VERTICAL	Peak

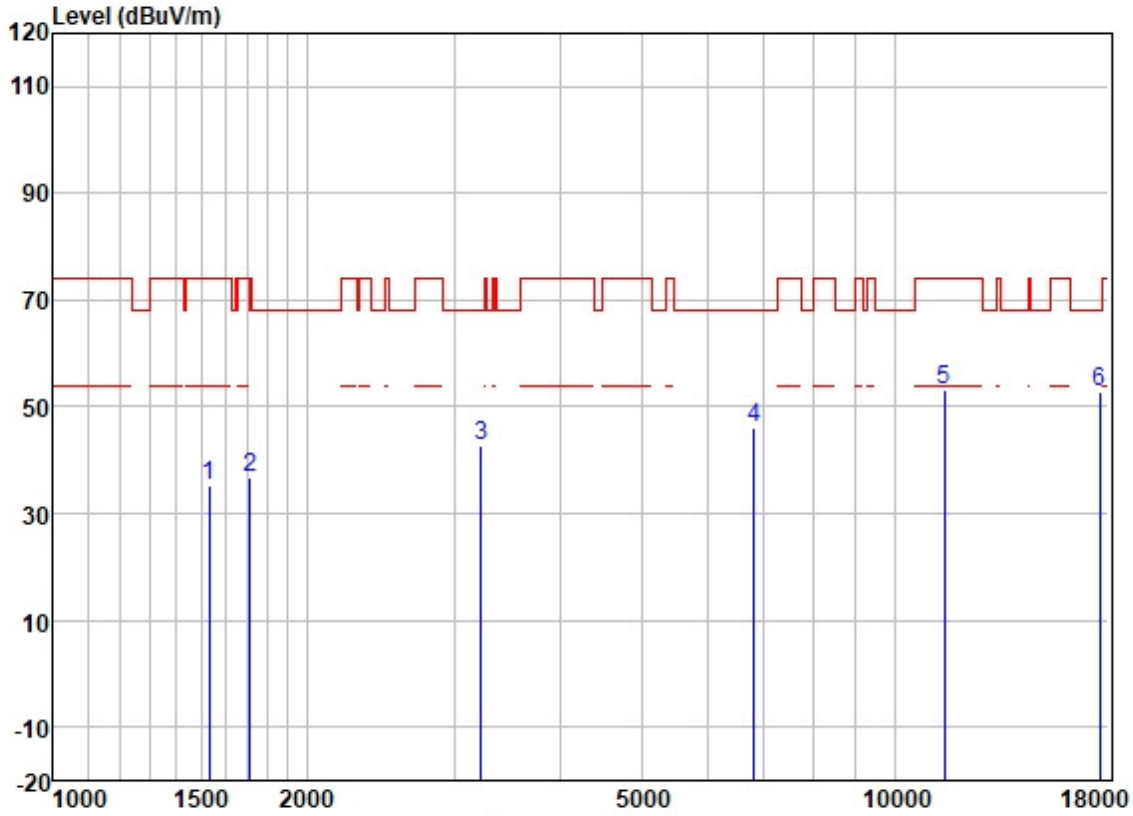
Test Mode: 26; Polarity: Horizontal; Modulation:OFDM; Channel:Low



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1257.586	47.77	25.05	2.38	38.35	36.85	68.20	-31.35	HORIZONTAL	Peak
2	1939.811	45.04	26.07	2.97	37.73	36.35	68.20	-31.85	HORIZONTAL	Peak
3	3131.192	47.07	28.51	3.95	37.14	42.39	68.20	-25.81	HORIZONTAL	Peak
4	5003.562	45.06	31.70	5.70	36.85	45.61	74.00	-28.39	HORIZONTAL	Peak
5	11461.000	42.28	39.91	8.37	37.15	53.41	74.00	-20.59	HORIZONTAL	Peak
6	17533.500	33.69	43.97	10.76	35.31	53.11	68.20	-15.09	HORIZONTAL	Peak

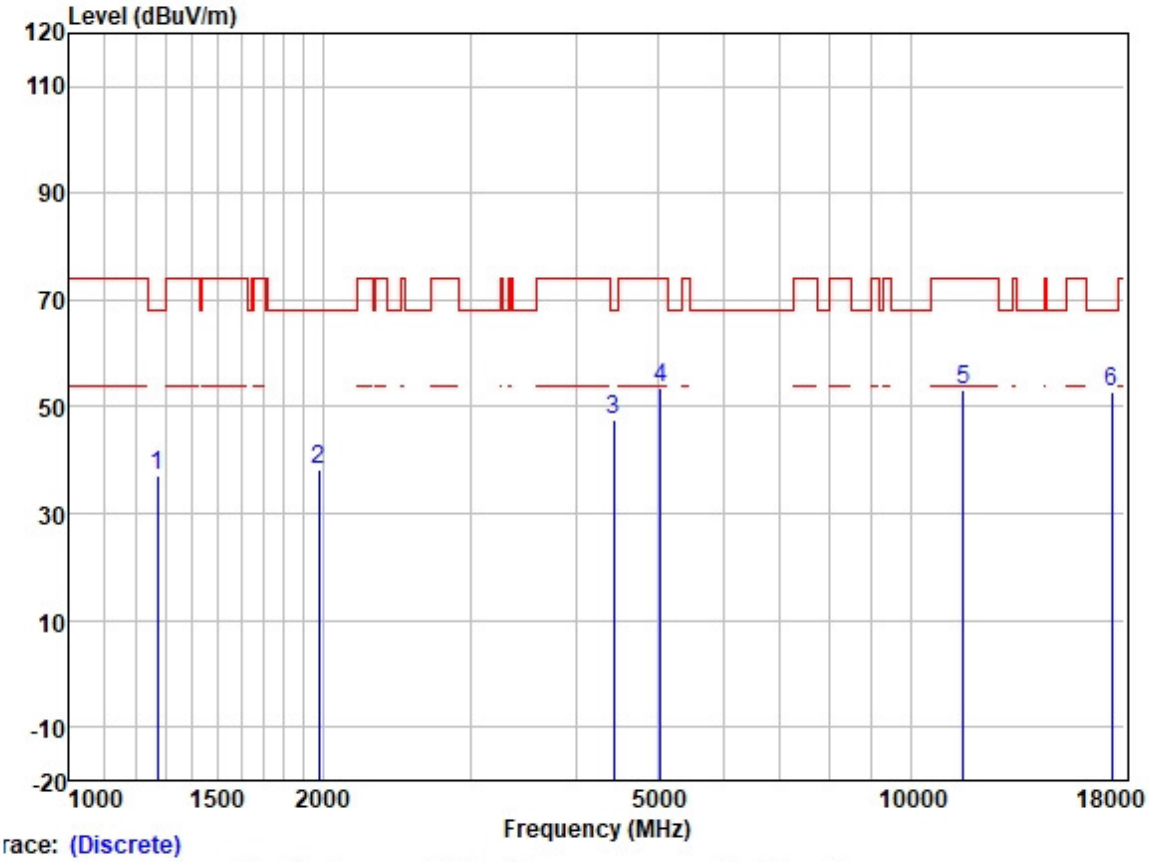
Test Mode: 26; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1531.787	45.04	25.52	2.80	38.07	35.29	74.00	-38.71	VERTICAL	Peak
2	1713.175	45.94	25.74	2.82	37.87	36.63	68.20	-31.57	VERTICAL	Peak
3	3225.909	46.97	28.63	4.01	37.07	42.54	68.20	-25.66	VERTICAL	Peak
4	6800.546	42.81	34.66	5.82	37.12	46.17	68.20	-22.03	VERTICAL	Peak
5	11461.000	41.87	39.91	8.37	37.15	53.00	74.00	-21.00	VERTICAL	Peak
6	17533.500	33.50	43.97	10.76	35.31	52.92	68.20	-15.28	VERTICAL	Peak

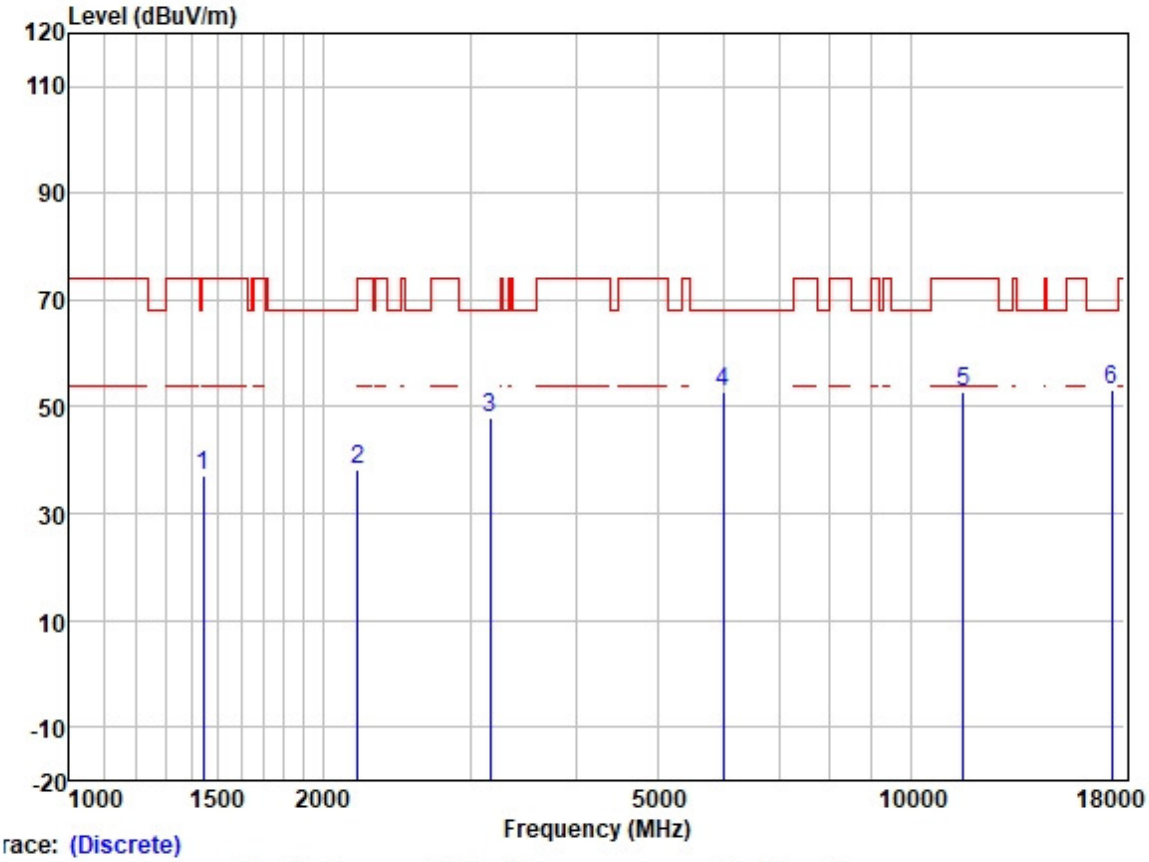
Test Mode: 26; Polarity: Horizontal; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1271.291	48.02	25.11	2.46	38.33	37.26	68.20	-30.94	HORIZONTAL	Peak
2	1978.406	46.93	26.09	3.06	37.71	38.37	68.20	-29.83	HORIZONTAL	Peak
3	4436.989	48.82	30.72	4.78	36.81	47.51	68.20	-20.69	HORIZONTAL	Peak
4	5051.470	52.92	31.71	5.68	36.86	53.45	74.00	-20.55	HORIZONTAL	Peak
5	11573.000	42.10	39.78	8.38	37.14	53.12	74.00	-20.88	HORIZONTAL	Peak
6	17359.500	34.35	43.40	10.39	35.32	52.82	68.20	-15.38	HORIZONTAL	Peak

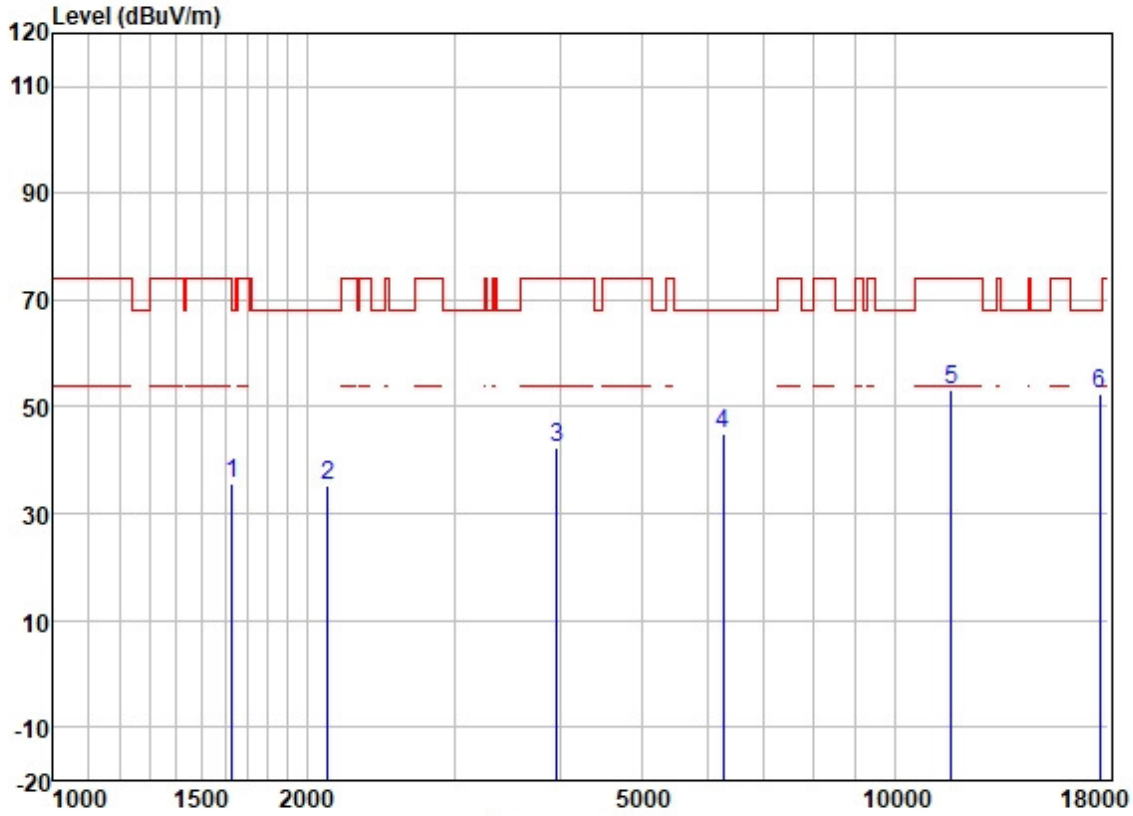
Test Mode: 26; Polarity: Vertical; Modulation:OFDM; Channel:middle



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1441.870	47.15	25.44	2.69	38.17	37.11	74.00	-36.89	VERTICAL	Peak
2	2204.894	46.17	26.65	3.21	37.65	38.38	74.00	-35.62	VERTICAL	Peak
3	3164.692	52.51	28.55	3.98	37.10	47.94	68.20	-20.26	VERTICAL	Peak
4	5989.913	51.33	32.39	6.15	36.90	52.97	68.20	-15.23	VERTICAL	Peak
5	11573.000	41.66	39.78	8.38	37.14	52.68	74.00	-21.32	VERTICAL	Peak
6	17359.500	34.87	43.40	10.39	35.32	53.34	68.20	-14.86	VERTICAL	Peak

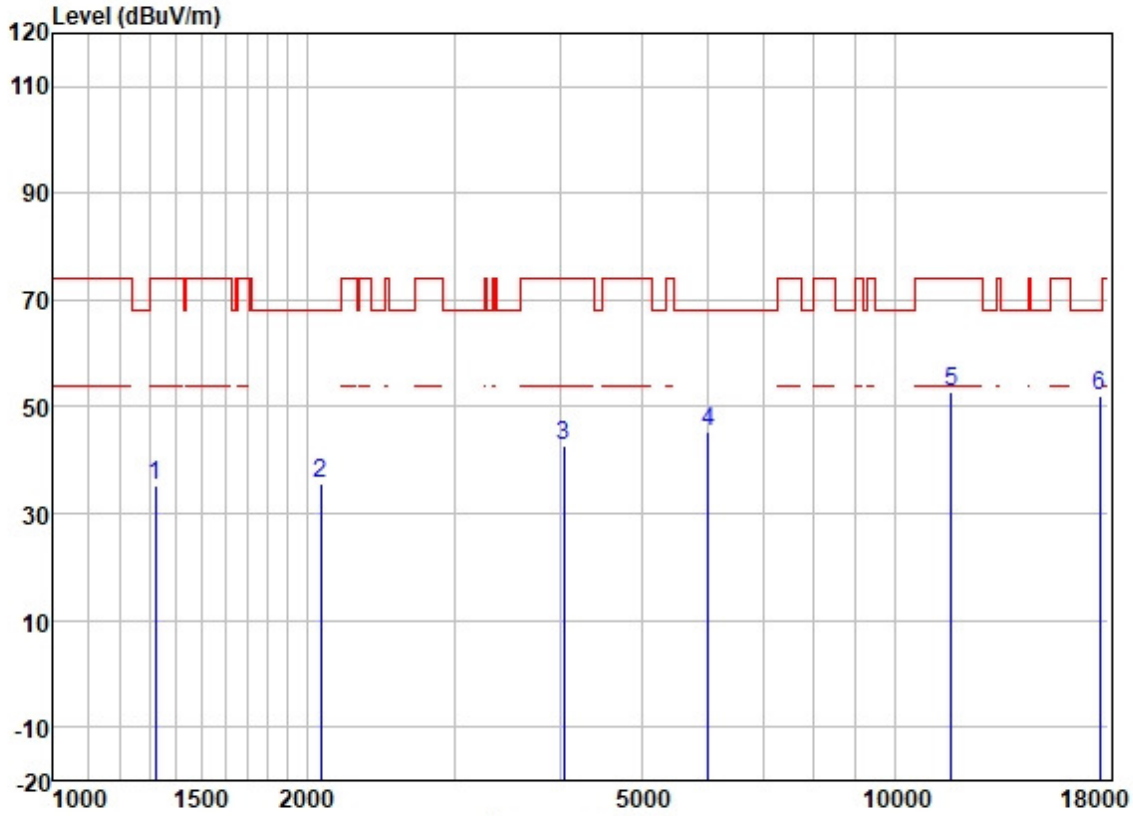
Test Mode: 26; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1632.723	45.17	25.62	2.80	37.95	35.64	68.20	-32.56	HORIZONTAL	Peak
2	2121.706	43.51	26.34	3.17	37.67	35.35	68.20	-32.85	HORIZONTAL	Peak
3	3965.002	44.94	29.77	4.60	36.81	42.50	74.00	-31.50	HORIZONTAL	Peak
4	6251.803	42.71	33.20	6.02	36.95	44.98	68.20	-23.22	HORIZONTAL	Peak
5	11689.000	42.35	39.49	8.32	37.13	53.03	74.00	-20.97	HORIZONTAL	Peak
6	17533.500	33.02	43.97	10.76	35.31	52.44	68.20	-15.76	HORIZONTAL	Peak

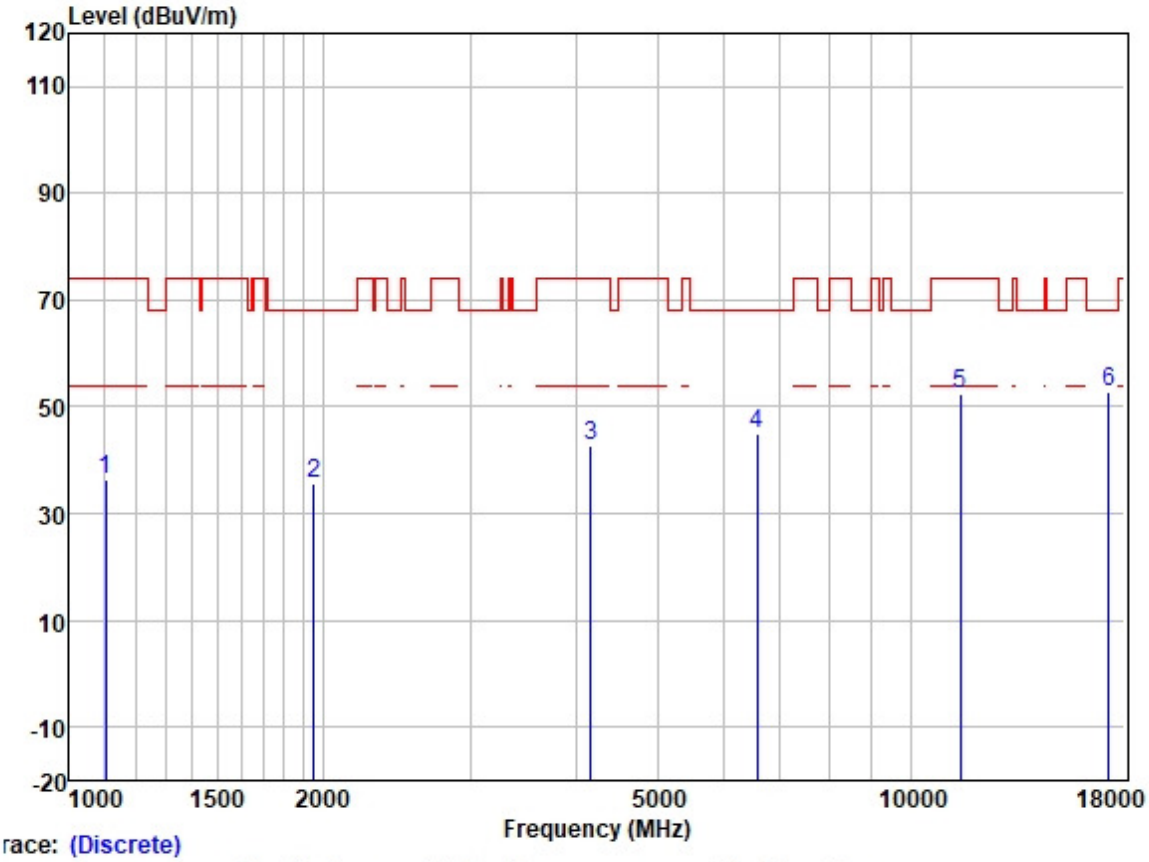
Test Mode: 26; Polarity: Vertical; Modulation:OFDM; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1323.994	45.80	25.26	2.60	38.29	35.37	74.00	-38.63	VERTICAL	Peak
2	2079.588	44.01	26.24	3.14	37.68	35.71	68.20	-32.49	VERTICAL	Peak
3	4046.307	45.00	29.87	4.60	36.80	42.67	74.00	-31.33	VERTICAL	Peak
4	6011.931	43.57	32.44	6.19	36.90	45.30	68.20	-22.90	VERTICAL	Peak
5	11689.000	42.03	39.49	8.32	37.13	52.71	74.00	-21.29	VERTICAL	Peak
6	17533.500	32.76	43.97	10.76	35.31	52.18	68.20	-16.02	VERTICAL	Peak

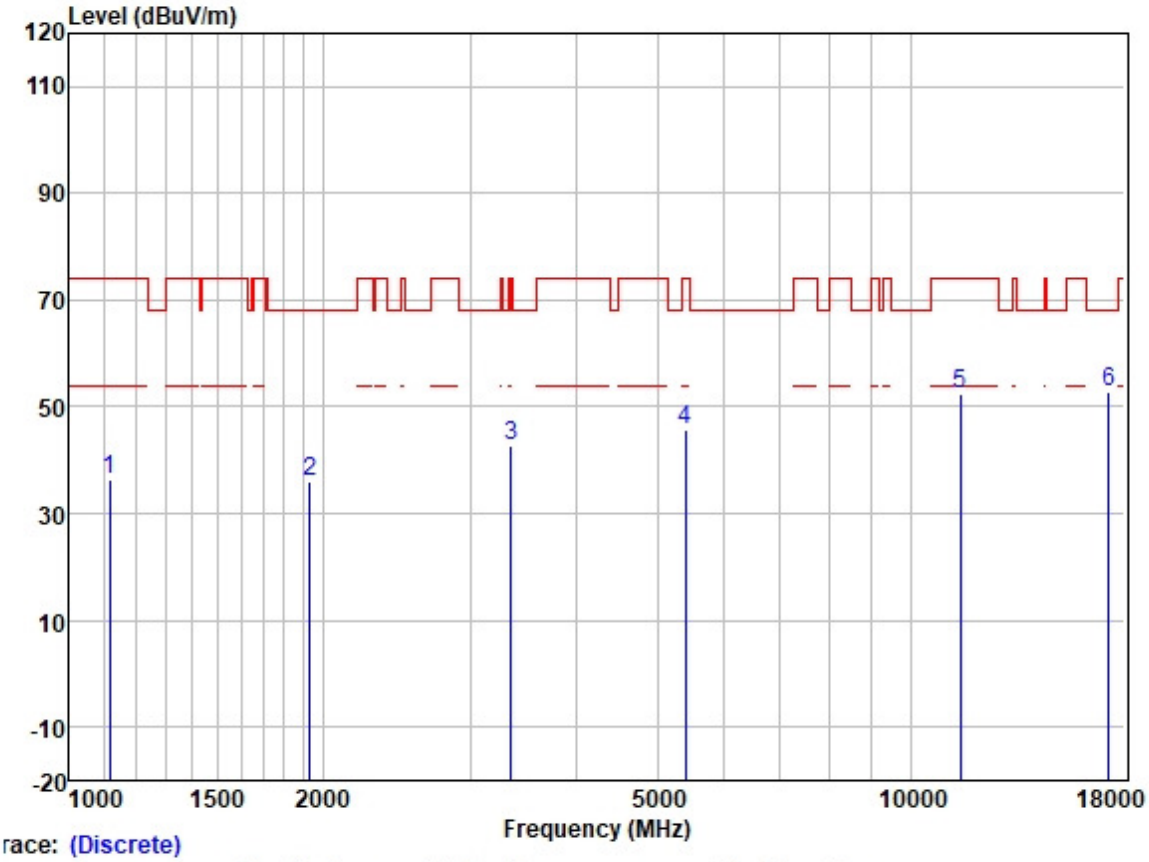
Test Mode: 27; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1105.185	48.20	24.38	2.28	38.45	36.41	74.00	-37.59	HORIZONTAL	Peak
2	1953.012	44.13	26.08	3.01	37.73	35.49	68.20	-32.71	HORIZONTAL	Peak
3	4166.246	44.87	30.09	4.60	36.80	42.76	74.00	-31.24	HORIZONTAL	Peak
4	6573.174	42.19	34.09	5.84	37.03	45.09	68.20	-23.11	HORIZONTAL	Peak
5	11471.000	41.27	39.91	8.37	37.15	52.40	74.00	-21.60	HORIZONTAL	Peak
6	17206.500	35.43	42.79	9.92	35.33	52.81	68.20	-15.39	HORIZONTAL	Peak

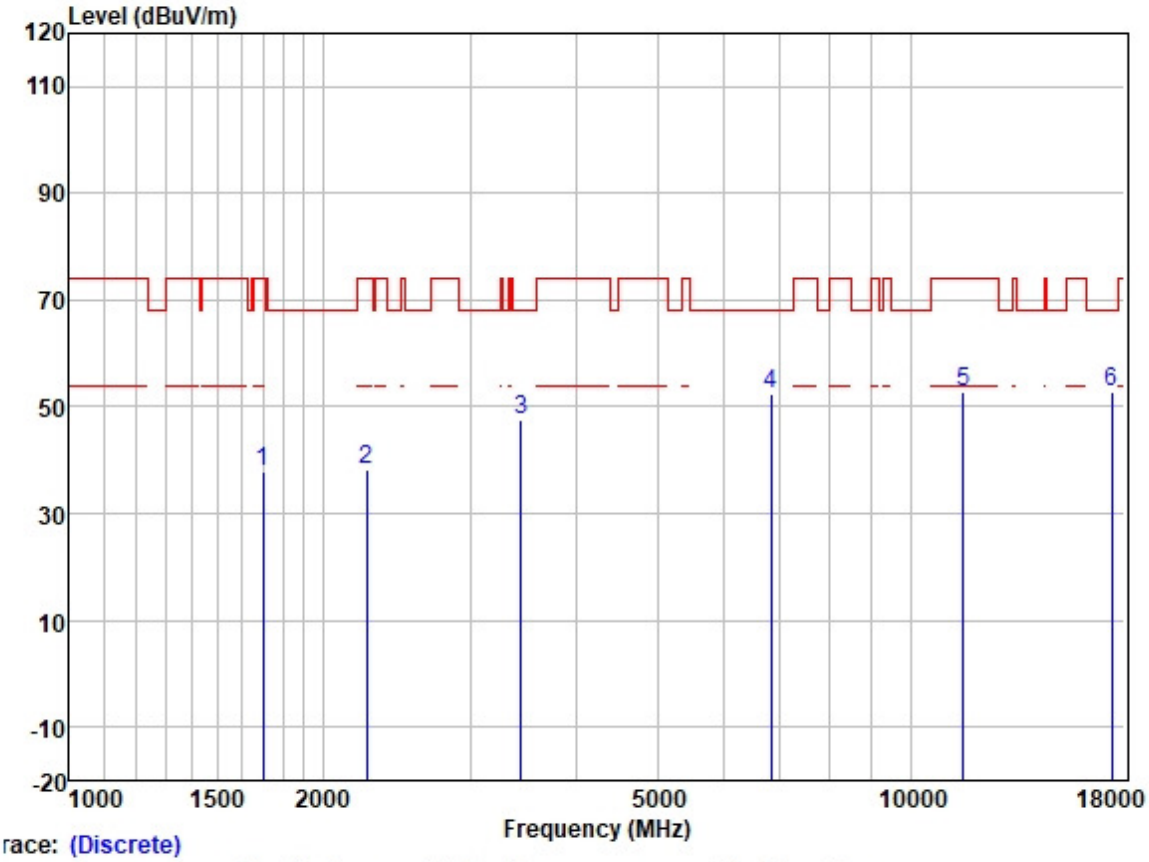
Test Mode: 27; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1116.405	48.31	24.40	2.25	38.43	36.53	74.00	-37.47	VERTICAL	Peak
2	1931.492	44.76	26.06	2.96	37.74	36.04	68.20	-32.16	VERTICAL	Peak
3	3352.274	46.76	28.81	4.09	37.01	42.65	74.00	-31.35	VERTICAL	Peak
4	5394.766	44.69	31.78	6.00	36.88	45.59	74.00	-28.41	VERTICAL	Peak
5	11471.000	41.45	39.91	8.37	37.15	52.58	74.00	-21.42	VERTICAL	Peak
6	17206.500	35.29	42.79	9.92	35.33	52.67	68.20	-15.53	VERTICAL	Peak

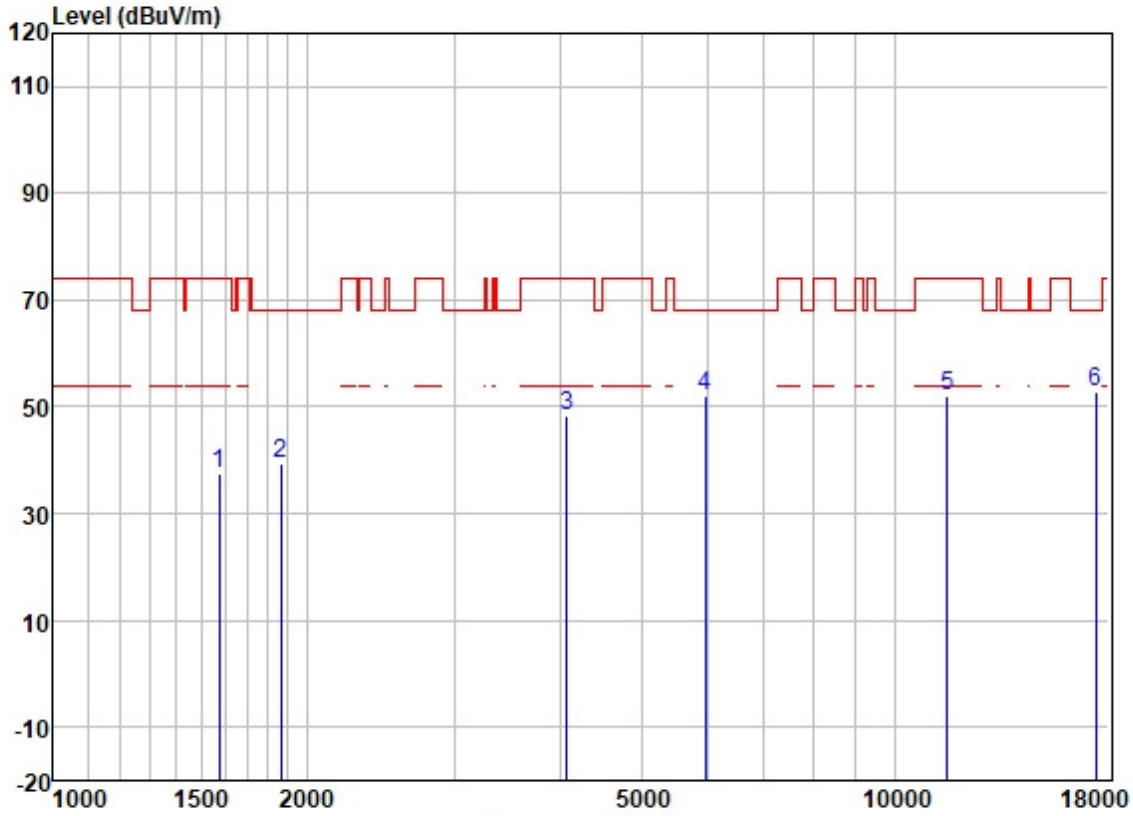
Test Mode: 27; Polarity: Horizontal; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1697.382	47.14	25.71	2.80	37.89	37.76	74.00	-36.24	HORIZONTAL	Peak
2	2254.210	45.71	26.92	3.26	37.64	38.25	74.00	-35.75	HORIZONTAL	Peak
3	3439.510	51.56	28.87	4.16	36.96	47.63	68.20	-20.57	HORIZONTAL	Peak
4	6826.495	49.08	34.74	5.82	37.13	52.51	68.20	-15.69	HORIZONTAL	Peak
5	11573.000	41.90	39.78	8.38	37.14	52.92	74.00	-21.08	HORIZONTAL	Peak
6	17359.500	34.33	43.40	10.39	35.32	52.80	68.20	-15.40	HORIZONTAL	Peak

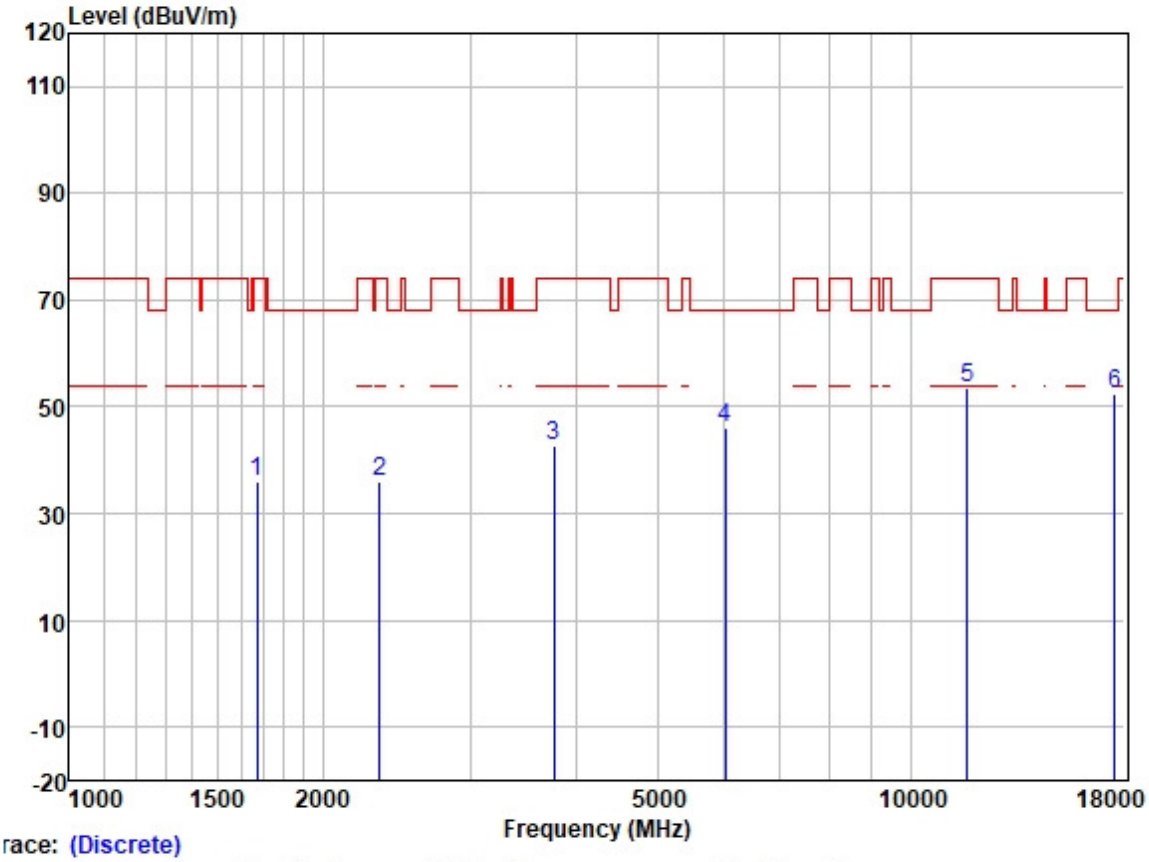
Test Mode: 27; Polarity: Vertical; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1574.846	47.03	25.56	2.80	38.00	37.39	74.00	-36.61	VERTICAL	Peak
2	1863.125	48.22	26.01	2.93	37.77	39.39	68.20	-28.81	VERTICAL	Peak
3	4072.822	50.53	29.90	4.60	36.80	48.23	74.00	-25.77	VERTICAL	Peak
4	5961.681	50.56	32.37	6.10	36.90	52.13	68.20	-16.07	VERTICAL	Peak
5	11573.000	41.21	39.78	8.38	37.14	52.23	74.00	-21.77	VERTICAL	Peak
6	17359.500	34.32	43.40	10.39	35.32	52.79	68.20	-15.41	VERTICAL	Peak

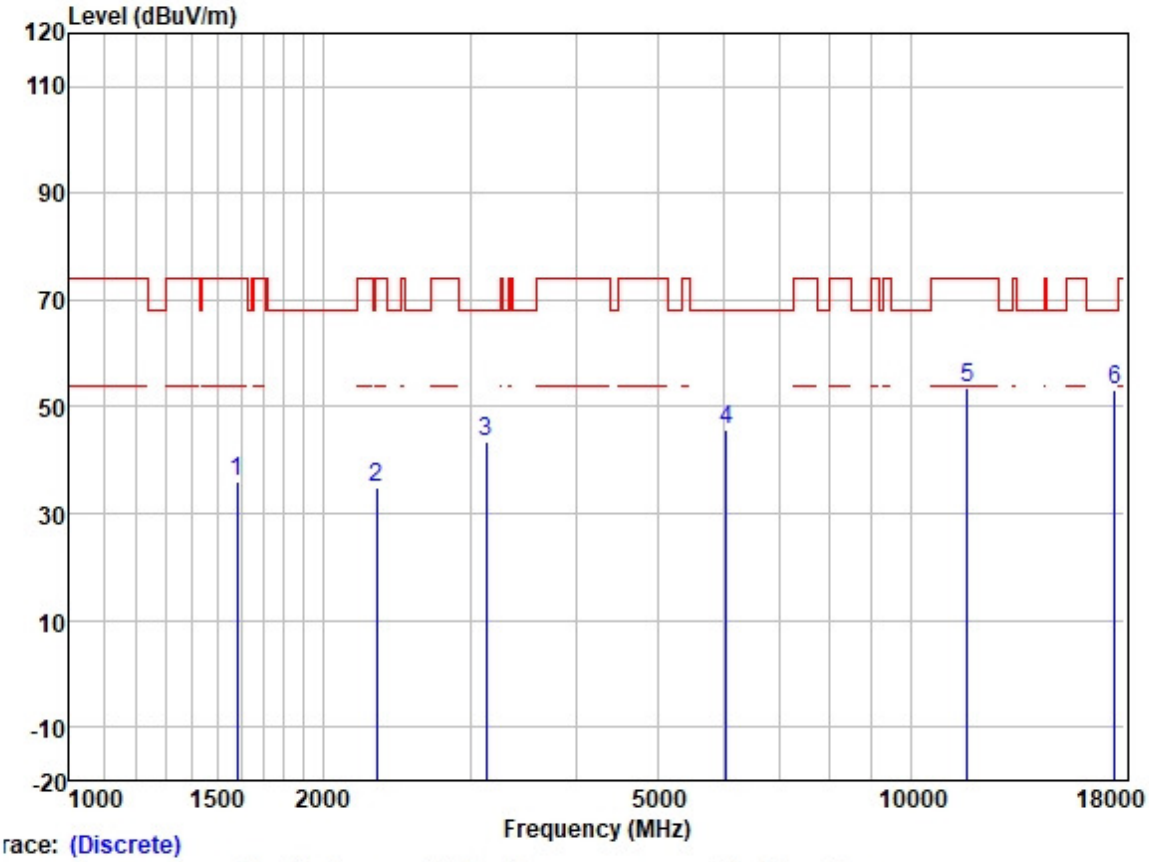
Test Mode: 27; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1673.142	45.58	25.67	2.80	37.91	36.14	74.00	-37.86	HORIZONTAL	Peak
2	2338.547	42.93	27.22	3.37	37.61	35.91	74.00	-38.09	HORIZONTAL	Peak
3	3763.356	45.55	29.45	4.59	36.86	42.73	74.00	-31.27	HORIZONTAL	Peak
4	6019.532	44.27	32.44	6.19	36.90	46.00	68.20	-22.20	HORIZONTAL	Peak
5	11679.000	42.63	39.57	8.34	37.13	53.41	74.00	-20.59	HORIZONTAL	Peak
6	17518.500	32.87	43.97	10.76	35.31	52.29	68.20	-15.91	HORIZONTAL	Peak

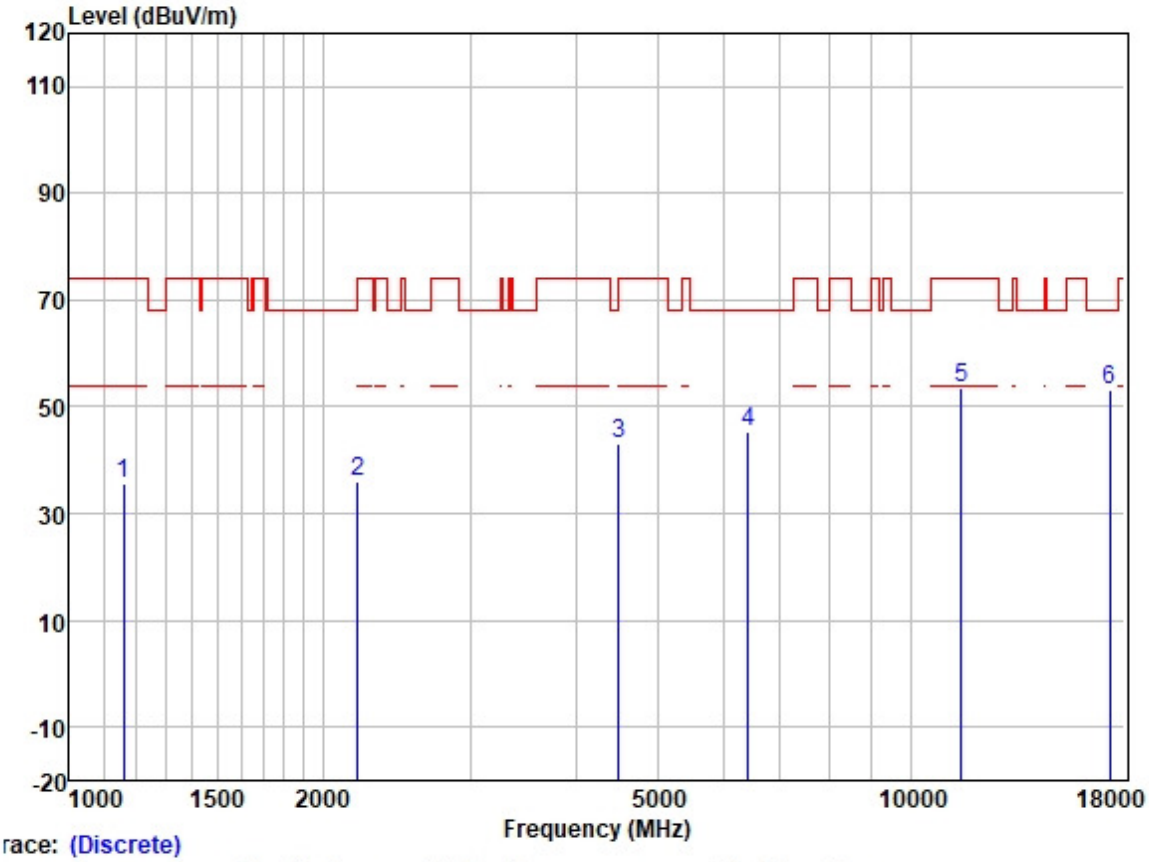
Test Mode: 27; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1582.575	45.57	25.56	2.80	38.00	35.93	74.00	-38.07	VERTICAL	Peak
2	2317.005	42.15	27.17	3.33	37.62	35.03	74.00	-38.97	VERTICAL	Peak
3	3133.875	48.02	28.51	3.95	37.14	43.34	68.20	-24.86	VERTICAL	Peak
4	6038.745	44.03	32.48	6.18	36.91	45.78	68.20	-22.42	VERTICAL	Peak
5	11679.000	42.66	39.57	8.34	37.13	53.44	74.00	-20.56	VERTICAL	Peak
6	17518.500	33.74	43.97	10.76	35.31	53.16	68.20	-15.04	VERTICAL	Peak

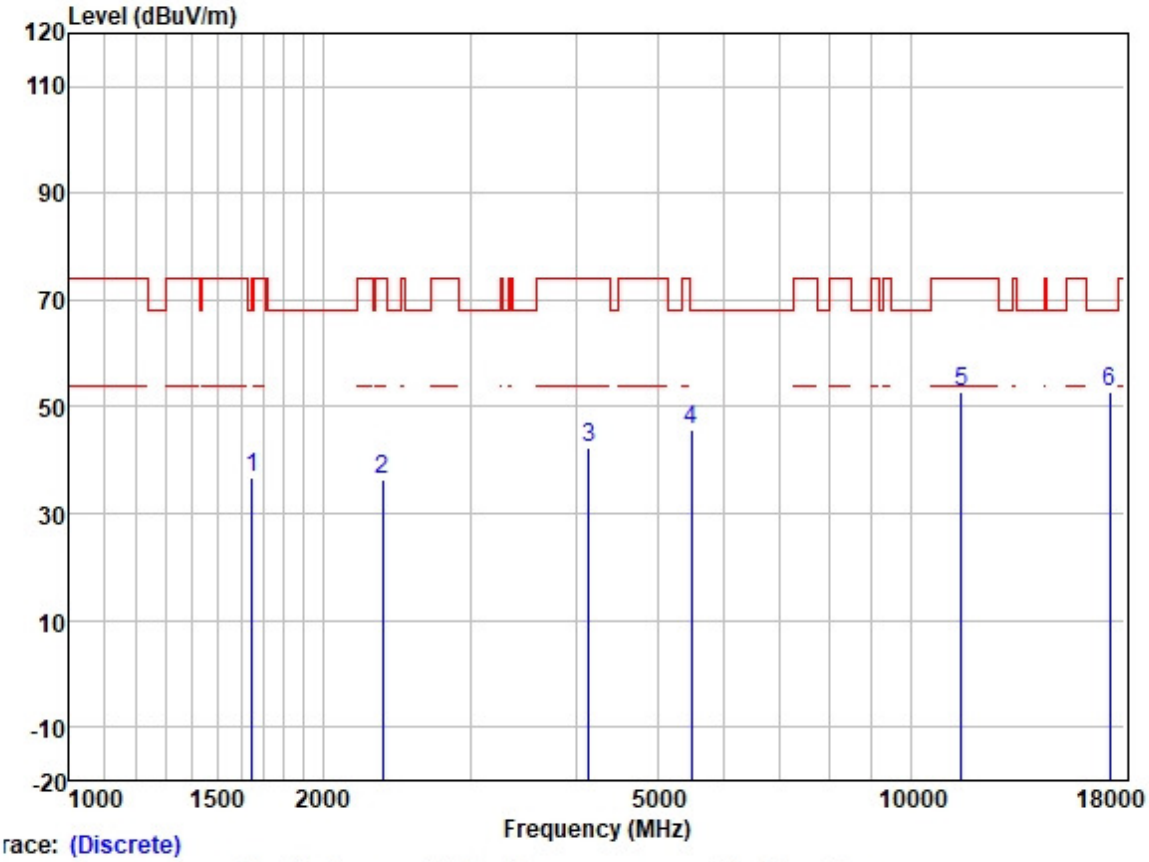
Test Mode: 28; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1159.775	47.03	24.52	2.40	38.42	35.53	74.00	-38.47	HORIZONTAL	Peak
2	2198.990	43.83	26.62	3.20	37.65	36.00	68.20	-32.20	HORIZONTAL	Peak
3	4498.589	44.19	30.80	5.05	36.82	43.22	68.20	-24.98	HORIZONTAL	Peak
4	6406.571	42.60	33.79	5.89	36.98	45.30	68.20	-22.90	HORIZONTAL	Peak
5	11491.000	42.24	39.90	8.41	37.15	53.40	74.00	-20.60	HORIZONTAL	Peak
6	17236.500	35.29	43.01	10.08	35.33	53.05	68.20	-15.15	HORIZONTAL	Peak

Test Mode: 28; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1650.643	46.09	25.63	2.80	37.93	36.59	68.20	-31.61	VERTICAL	Peak
2	2354.115	43.18	27.25	3.40	37.61	36.22	74.00	-37.78	VERTICAL	Peak
3	4143.807	44.69	30.03	4.60	36.80	42.52	74.00	-31.48	VERTICAL	Peak
4	5488.412	44.31	31.80	6.36	36.88	45.59	68.20	-22.61	VERTICAL	Peak
5	11491.000	41.59	39.90	8.41	37.15	52.75	74.00	-21.25	VERTICAL	Peak
6	17236.500	35.06	43.01	10.08	35.33	52.82	68.20	-15.38	VERTICAL	Peak