

Report No.: SHEM210800989702

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TEST REPORT

Application No.: SHEM2108009897CR **FCC ID**: 2AVYF-IPC-FX8FI

Applicant: Hangzhou Huacheng Network Technology Co.,Ltd.

Address of Applicant: No.2930, Nanhuan Road, Binjiang District, Hangzhou, China

Manufacturer: Hangzhou Huacheng Network Technology Co.,Ltd.

Address of Manufacturer: No.2930, Nanhuan Road, Binjiang District, Hangzhou, China

Equipment Under Test (EUT):

EUT Name: CONSUMER CAMERA

Model No.: IPC-F88FIP;IPC-F88FIP-0280B-imou;IPC-F88FIP-0360B-imou;IPC-

F88FIP-0280B;IPC-F88FIP-0360B;IPC-F88FIN;IPC-F88FIN-0280B-

imou;IPC-F88FIN-0360B-imou;IPC-F88FIN-0280B;IPC-F88FIN-0360B;IPC-F88FIN-0280B-CAN;IPC-F88FIN-0360B-CAN;IPC-F88FIN-0280B-imou-CAN;IPC-F88FIN-0360B-imou-CAN;LC-K38FI-4K;IPC-F88FI-0280B-LC;IPC-F88FI-0360B-LC;IPC-F88FIP-V2-0280B-imou;IPC-F88FIP-V2-0360B-imou;IPC-F88FIN-V2-0280B-imou;IPC-F88FIN-V2-0280B;IPC-F88FIN-V2-0280B;IPC-F88FIN-V2-0280B;IPC-F88FIN-V2-0360B;IPC-F8

F88FI-V2-0280B-LC;IPC-F88FI-V2-0360B-LC¤

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Standard(s): 47 CFR Part 15, Subpart E 15.407

Date of Receipt: 2021-08-26

Date of Test: 2021-11-01 to 2021-11-12

Date of Issue: 2021-11-15

Test Result: Pass*

Parlam Zhan

Laboratory Manager

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

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



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	Revision Record				
Version	Description	Date	Remark		
00	Original	2021-11-15	/		

Authorized for issue by:		
	hichael Nil	
	Micheal Niu / Project Engineer	
	Darlam Zhan	
	Parlam Zhan / Reviewer	



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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 C 15.407 (c)	Pass	

N/A: Not applicable

Radio Spectrum Matte	er Part	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 & Subpart E 15.407 b(6)	Pass			
Duty Cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 II B 1	KDB 789033 D02 II B 1	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 & Subpart E 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 & Subpart E 15.407(b)	Pass			
Frequency Stability	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass			

N/A: Not applicable



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Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model IPC-F88FIP was tested since their differences were the model number and appearance.

The lenses of different focal segments are inconsistent.



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 12V by adapter

Adapter Model: S018BYU1200150 Input: 100-240V,50/60Hz,600mA Output: 5V/9V/12V,3A/2A/1.5A

Test voltage: AC 120V/60Hz

DFS Function Slave without Radar detection

	Band	Mode	Frequency Range(MHz)	Number of channels	
	UNII Band I	802.11a/n(HT20)/ac(VHT20)	5180-5240	4	
		802.11n(HT40)/ac(VHT40)	5190-5230	2	
		802.11ac(VHT80)	5210	1	
	UNII Band II-A	802.11a/n(HT20)/ac(VHT20)	5260-5320	4	
On a ration Francisco		802.11n(HT40)/ac(VHT40)	5270-5310	2	
Operation Frequency:		802.11ac(VHT80)	5290	1	
	UNII Band II-C	802.11a/n(HT20)/ac(VHT20)	5500-5700	11	
		802.11n(HT40)/ac(VHT40)	5510-5670	5	
		802.11ac(VHT80)	5530~5610	2	
	UNII Band III	802.11a/n(HT20)/ac(VHT20)	5745-5825	5	
		802.11n(HT40)/ac(VHT40)	5755-5795	2	
	802.11ac(VHT80) 5775 1				
	802.11a: OFDM	(64QAM, 16QAM, QPSK, BPSK)		
Modulation Type:	802.11n: OFDM	(BPSK, QPSK, 16QAM, 64QAM)		
	802.11ac: OFDM	I (BPSK, QPSK, 16QAM, 64QAN	Л, 256QAM)		
	802.11a/n(HT20))/ac(VHT20): 20MHz			
Channel Spacing:	802.11n(HT40)/a	ac(VHT40): 40MHz			
	802.11ac(VHT80)): 80MHz			
	802.11a: 6/9/12/	18/24/36/48/54Mbps			
Data Rate:	802.11n: MCS0-	15			
	802.11ac: MCS0-9				
	Antenna 1:4.9dBi; (Provided by manufacturer)				
Antenna Gain: Antenna 2:4.9dBi; (Provided by manufacturer)					
Directional Gain:7.91dBi					
A	Antenna 1: PIFA	antenna;			
Antenna Type:	Antenna 2: PIFA	antenna			



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	802.11a		802.11	n(HT20)	802.11ac(VHT20)	
Channel	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
36	13	14	12	12	11	11
40	13	14	12	12	11	11
48	13	14	12	12	11	11
52	13	14	12	12	11	11
60	13	14	12	12	11	11
64	13	14	12	12	11	11
100	13	14	12	12	11	11
116	13	14	12	12	11	11
140	13	14	12	12	11	11
149	13	14	12	12	11	11
157	13	14	12	12	11	11
165	13	14	12	12	11	11
Channal	802.11n(HT40)		802.11a	C(VHT40)		
Channel	Ant 1	Ant 2	Ant 1	Ant 2		
38	12	12	11	11		
46	12	12	11	11		
54	12	12	11	11		
62	12	12	11	11		
102	12	12	11	11		
110	12	12	11	11		
134	12	12	11	11		
151	12	12	11	11		
159	12	12	11	11		
Channel	802.11ad	C(VHT80)			-	
Channel	Ant 1	Ant 2				



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4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	ThinkPad X100e	1
SecureCRT	VanDyke	V 6.2.0	1
Serial port adapter plate	1	Test Plate 3	1

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	DE Redicted Dower	5.2dB (Below 1GHz)
0	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dadiated Spurious Emission Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

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



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4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.6 Test Facility

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

• CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 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. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

• VCCI (Member No.: 1938)

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600,C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
	ducted Emission at Mains Terminals (150		Model	Serial Number	Cai Date	Cai. Due Date
1	EMI Test Receive	R&S	ESCI	100781	02/01/2021	01/31/2022
2	LISN	R&S	ENV216	101604	10/12/2021	10/11/2022
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/12/2021	10/11/2022
4	Pulse Limiter	R&S	ESH3-Z2	100609	02/01/2021	01/31/2022
5	CE test Cable	Thermax	/	14	10/16/2021	10/15/2022
6	Test Software	Farad	EZ-EMC	CCS-03A1	N.C.R	N.C.R
RF (Conducted Test	l l				
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
3	Spectrum Analyzer	Keysight	N9010A	MY56480443	02/01/2021	01/31/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Radio Communication Test Station	Anritsu	MT8000A	6262012849	N/A	N/A
6	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	N/A	N/A
7	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
8	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2021	04/15/2022
9	Power Meter	Anritsu	ML2495A	1445010	04/15/2021	04/14/2022
10	Switcher	CCSRF	FY562	KUS2001M001 -3	10/12/2021	10/11/2022
11	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
12	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
13	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
14	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
15	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
16	Conducted test cable	/	RF01-RF04	1	04/15/2021	04/14/2022
17	Software	BST	TST-PASS	N/A	N/A	N/A
18	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
19	Thermometer	Anymetre	TH603	CCS007	10/14/2021	10/13/2022
RF R	adiated Test					
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/22/2021	02/21/2022
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/22/2021	02/21/2022
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2021	04/14/2022
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R



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16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz \sim 1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz \sim 1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz \sim 1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	/	RE01-RE04	/	04/15/2021	04/14/2022
24	Software	Faratronic	EZ_EMC-v 3A1	N/A	N/A	N/A



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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 antenna 1 is PIFA antenna, antenna 2 is PIFA antenna and no consideration of replacement.. The best case gain of the antenna 1 is 4.9dBi, antenna 2 is 4.9dBi

Antenna location: Refer to Appendix(internal photo)



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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 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 (BCM43752A2) 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.



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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

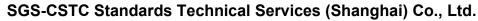
Limit:

Ereguency of Emission (MUT)	Conducted Limit (dBµV)			
Frequency of Emission (MHz)	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.				



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7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case:

b: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.

c:TX mode (Band 2A)_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(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.

d:TX mode (Band 2C)_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.

e: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:

b: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.



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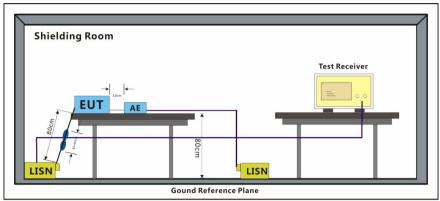
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7.1.2 Test Setup Diagram



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 $50 \text{ohm}/50 \mu\text{H} + 5 \text{ohm}$ 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



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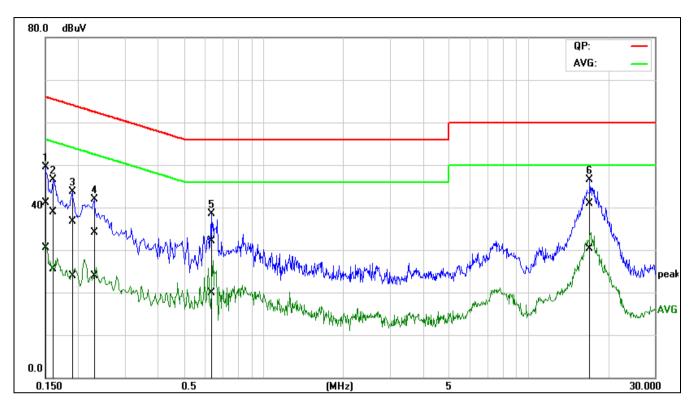
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Mode:b; Line:Live Line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
_	, ,	, ,	,	, ,	, ,	, ,	, ,	, ,		` ,	
1	0.1516	21.61	11.13	19.42	41.03	30.55	65.91	55.91	-24.88	-25.36	Pass
2	0.1597	19.50	6.12	19.42	38.92	25.54	65.47	55.48	-26.55	-29.94	Pass
3	0.1900	17.23	4.57	19.43	36.66	24.00	64.03	54.04	-27.37	-30.04	Pass
4	0.2300	14.76	4.39	19.44	34.20	23.83	62.45	52.45	-28.25	-28.62	Pass
5	0.6340	12.63	0.34	19.52	32.15	19.86	56.00	46.00	-23.85	-26.14	Pass
6*	17.0860	20.82	10.12	20.17	40.99	30.29	60.00	50.00	-19.01	-19.71	Pass



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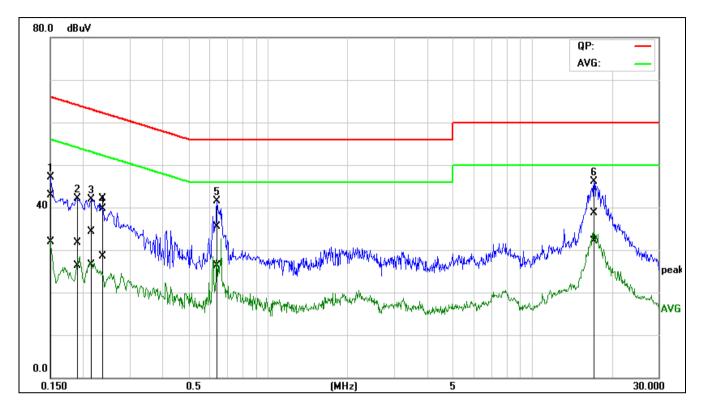
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Mode:b; Line:Neutral Line



No.	Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak	Average	QuasiPeak	Average	Remark
		reading	reading	factor	result	result	limit	limit	margin	margin	
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	23.43	12.53	19.42	42.85	31.95	65.99	56.00	-23.14	-24.05	Pass
2	0.1904	12.26	6.90	19.43	31.69	26.33	64.01	54.02	-32.32	-27.69	Pass
3	0.2140	14.79	7.14	19.43	34.22	26.57	63.04	53.05	-28.82	-26.48	Pass
4	0.2380	22.65	9.01	19.44	42.09	28.45	62.16	52.17	-20.07	-23.72	Pass
5	0.6420	15.98	6.72	19.52	35.50	26.24	56.00	46.00	-20.50	-19.76	Pass
6*	17.1860	18.49	11.89	20.17	38.66	32.06	60.00	50.00	-21.34	-17.94	Pass



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7.2 Duty Cycle

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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.



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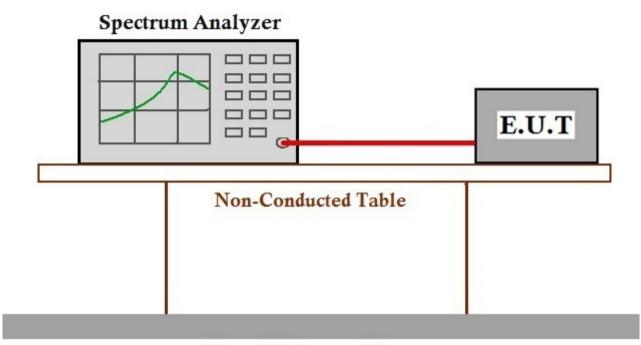
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7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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7.3 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode: b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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

802.11ac(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.



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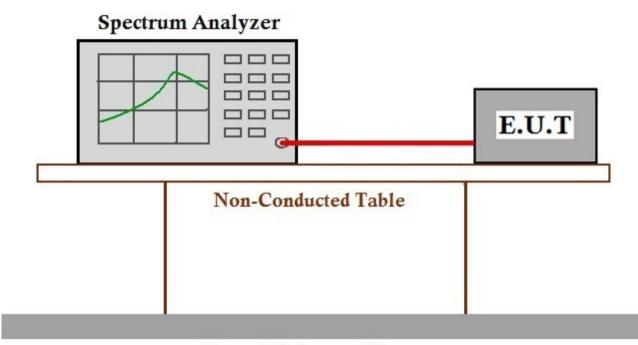
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7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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7.4 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode: b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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

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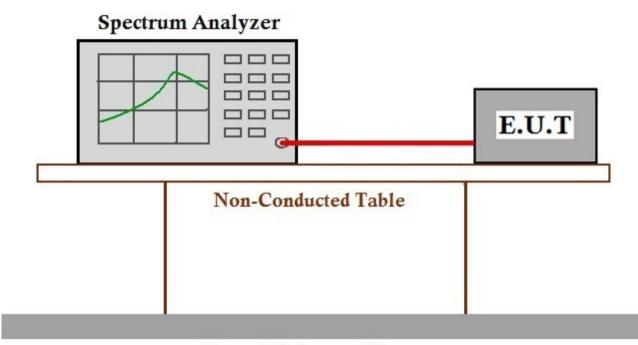
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7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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

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

Test Method: KDB 789033 D02 II C 2

Limit: ≥500 kHz

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode e: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

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

Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: A Appendix B for SHEM210800989702



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7.6 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

Frequenc	y Band (MHz)	Limit					
E4E0	F2F0	≤1W(30dBm) for master device					
5150-	5250	≤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	he 26dB emission bandwidth in MHz.					
		n conducted output power must be measured over any interval of ansmission using instrumentation calibrated in terms of an rms-equivalent					
	The EUT 802.11n/ac mode supports 2 * 2 MIMO transmission. The Gain of each antenna is 4.9dBi. The Directional Gain is: 7.91dBi. Therefore, the power limit should be reduced from the part exceeding 6, 5150-5250MHz: 22.07dBm; 5250-5350 & 5470-5725: 22.07dBm; 5725-5850: 28.09dBm.						



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7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode:

b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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.



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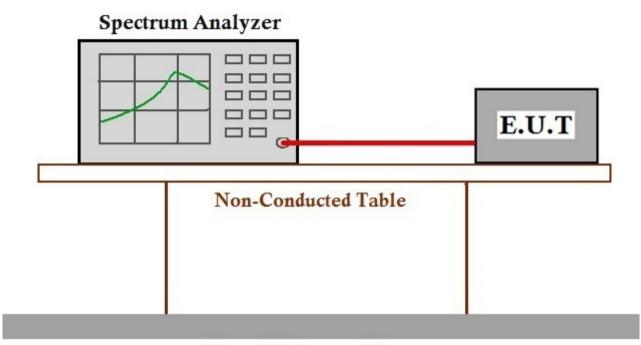
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7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

Frequenc	y band(MHz)	Limit					
E4E0 E	.050	≤17dBm in 1MHz for master device					
5150-5	0250	≤11dBm in 1MHz for client device					
5250-5	350	≤11dBm in 1MHz for client device					
5470-5	5725	≤11dBm in 1MHz for client device					
5725-5	850	≤30dBm in 500 kHz					
Remark:		n power spectral density is measured as a conducted emission by direct a calibrated test instrument to the equipment under test.					
	antenna is 4.90 reduced from t	11n/ac mode supports 2 * 2 MIMO transmission. The Gain of each dBi. The Directional Gain is: 7.91dBi. Therefore, the power limit should be the part exceeding 6, 5150-5250MHz: 9.09dBm/MHz; 5250-5350 & 5470-m/MHz; 5725-5850: 28.09dBm/500kHz.					



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7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode: b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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.



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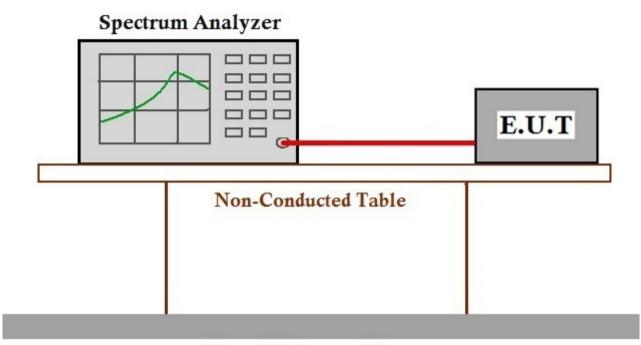
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7.7.2 Test Setup Diagram



Ground Reference Plane

7.7.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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7.8 Radiated Emissions

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

Test Method: KDB 789033 D02 II G

Limit:

Limit:

For transmitters operating in the 5.15-5.25 GHz band:

For transmitters operating in the 5.25-5.35 GHz band:

For transmitters operating in the 5.47-5.725 GHz band:

For transmitters operating in the 5.725-5.85 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 (68.2dBuV/m).

All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).

All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).

(i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) 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 (110.8dBuV/m) 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 (122.2dBuV/m) at the band edge.



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7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode:

b: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.

c:TX mode (Band 2A)_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

802.11ac(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.

d:TX mode (Band 2C)_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.

e: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.



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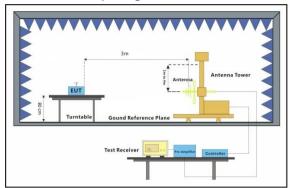
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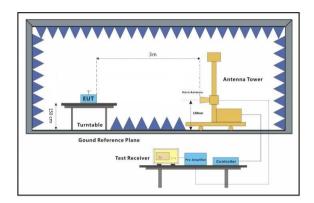


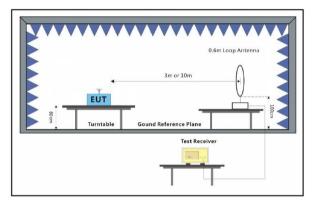


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7.8.2 Test Setup Diagram









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7.8.3 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:

- 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 802.11a. 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.
- 5. This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for a modulation and MIMO antenna operation for n/ac modulation produced the worst emissions. So the emissions produced from other operation are not recorded in report.



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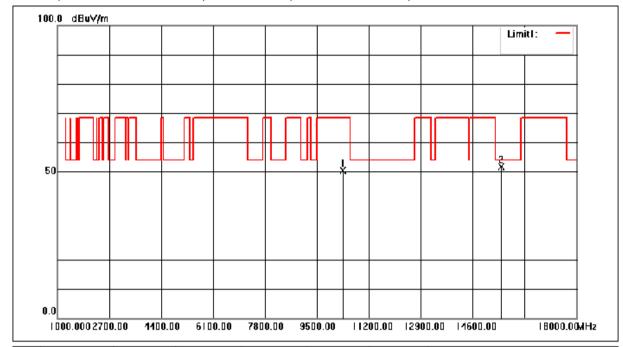
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	50.26	0.16	50.42	68.30	-17.88	peak
2	15540.000	45.78	5.73	51.51	54.00	-2.49	peak



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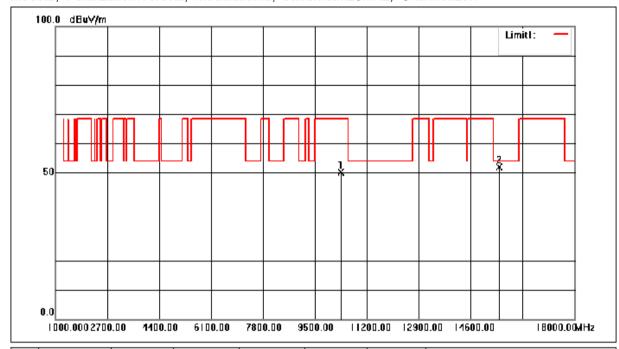
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	50.07	0.16	50.23	68.30	-18.07	peak
2	15540.000	46.09	5.73	51.82	54.00	-2.18	peak



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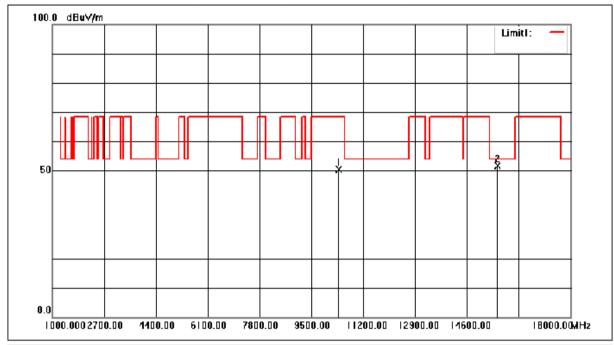
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	9	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10400.000	50.10	0.24	50.34	68.30	-17.96	peak
2	15600.000	45.84	5.85	51.69	54.00	-2.31	peak



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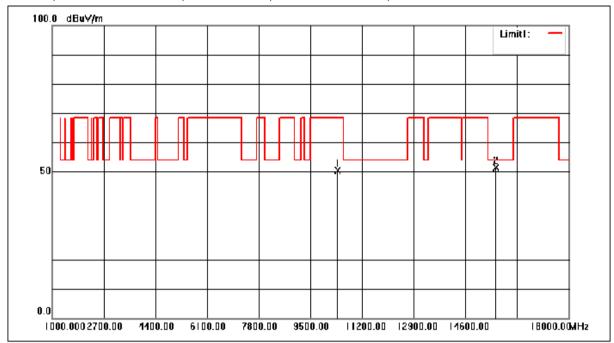
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	50.11	0.24	50.35	68.30	-17.95	peak
2	15600.000	45.49	5.85	51.34	54.00	-2.66	peak



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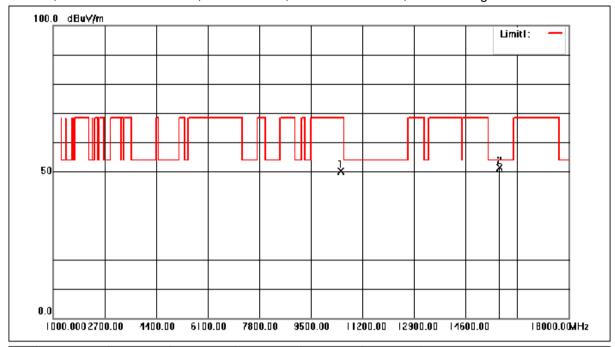
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	49.75	0.40	50.15	68.30	-18.15	peak
2	15720.000	45.21	6.10	51.31	54.00	-2.69	peak



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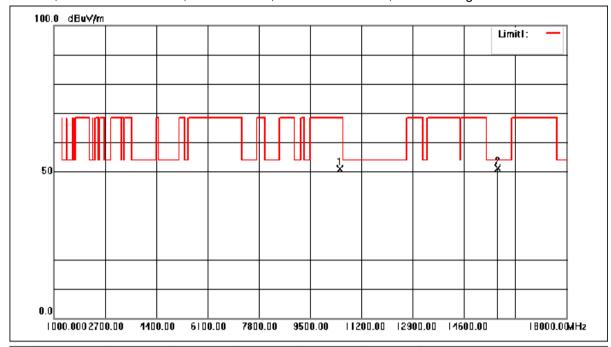
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	50.58	0.40	50.98	68.30	-17.32	peak
2	15720.000	45.15	6.10	51.25	54.00	-2.75	peak



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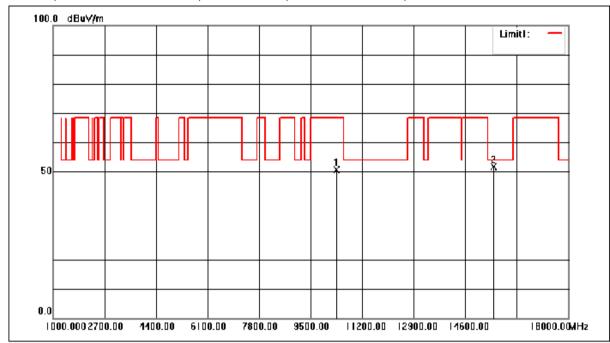
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	50.43	0.16	50.59	68.30	-17.71	peak
2	15540.000	46.01	5.73	51.74	54.00	-2.26	peak



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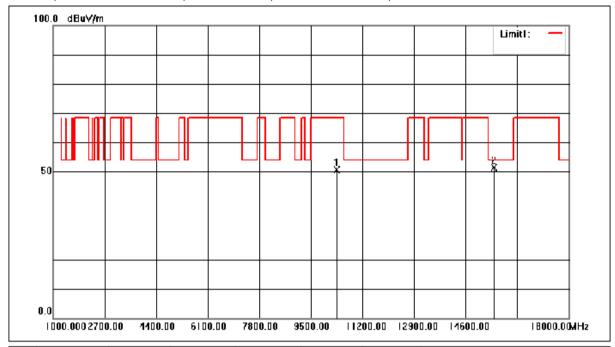
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	50.51	0.16	50.67	68.30	-17.63	peak
2	15540.000	45.66	5.73	51.39	54.00	-2.61	peak



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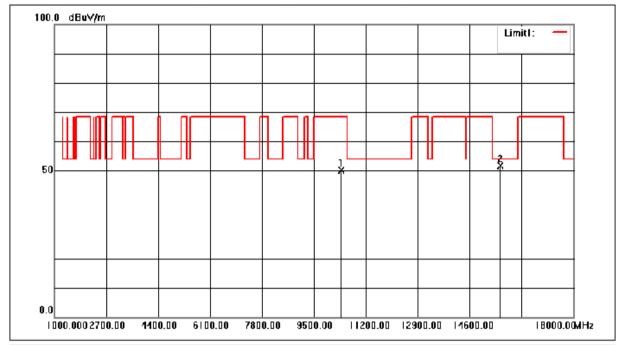
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.97	0.24	50.21	68.30	-18.09	peak
2	15600.000	45.72	5.85	51.57	54.00	-2.43	peak



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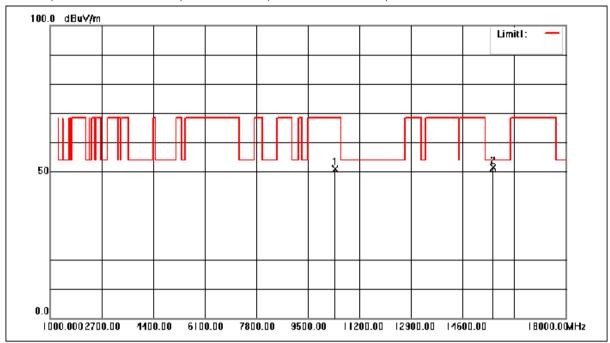
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	50.71	0.24	50.95	68.30	-17.35	peak
2	15600.000	45.43	5.85	51.28	54.00	-2.72	peak



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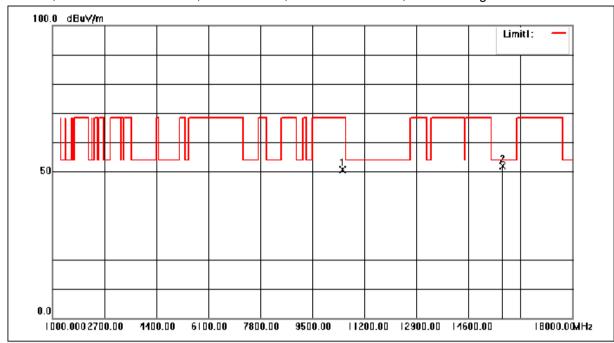
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10480.000	50.24	0.40	50.64	68.30	-17.66	peak
2	15720.000	45.76	6.10	51.86	54.00	-2.14	peak



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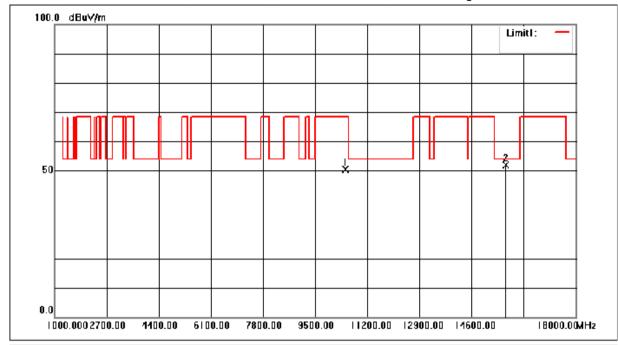
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	50.03	0.40	50.43	68.30	-17.87	peak
2	15720.000	45.78	6.10	51.88	54.00	-2.12	peak



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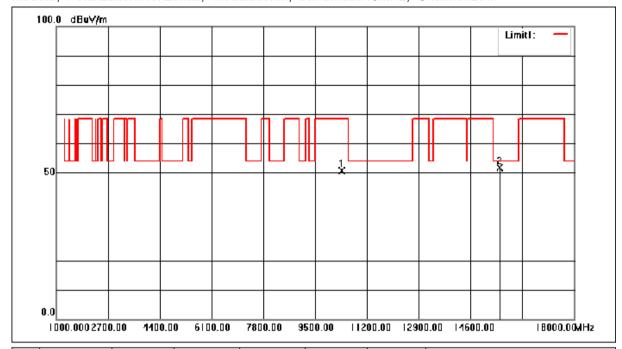
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	10380.000	50.32	0.20	50.52	68.30	-17.78	peak
Ī	2	15570.000	45.72	5.79	51.51	54.00	-2.49	peak



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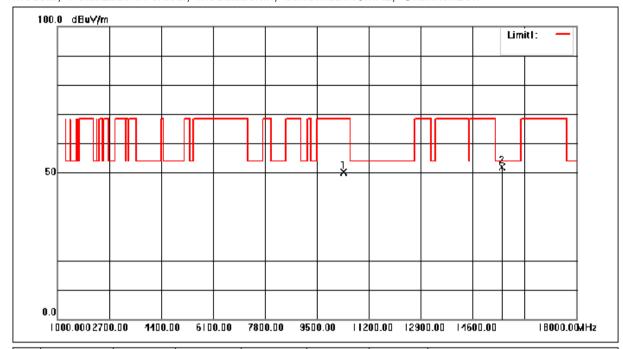
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	49.83	0.20	50.03	68.30	-18.27	peak
2	15570.000	46.15	5.79	51.94	54.00	-2.06	peak



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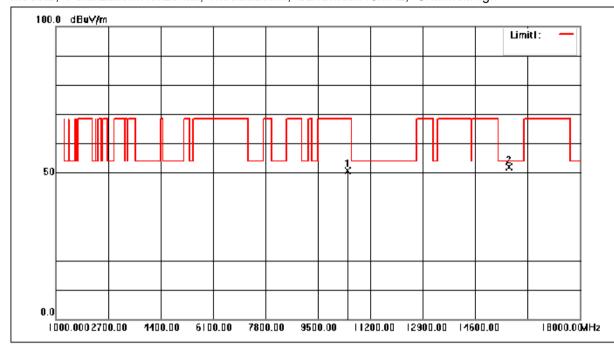
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	50.27	0.36	50.63	68.30	-17.67	peak
2	15690.000	45.76	6.04	51.80	54.00	-2.20	peak



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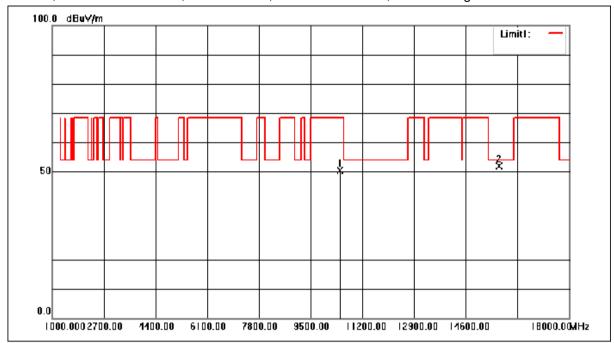
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	49.92	0.36	50.28	68.30	-18.02	peak
2	15690.000	45.89	6.04	51.93	54.00	-2.07	peak



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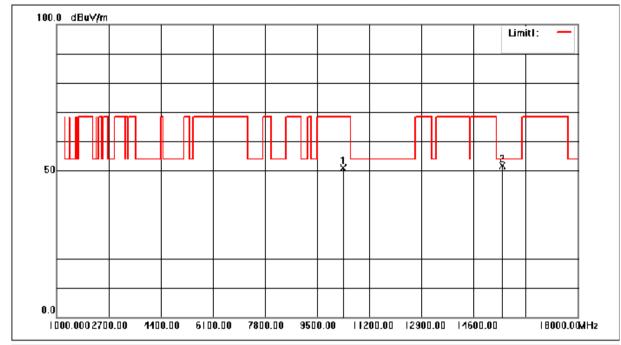
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	50.74	0.16	50.90	68.30	-17.40	peak
2	15540.000	46.02	5.73	51.75	54.00	-2.25	peak



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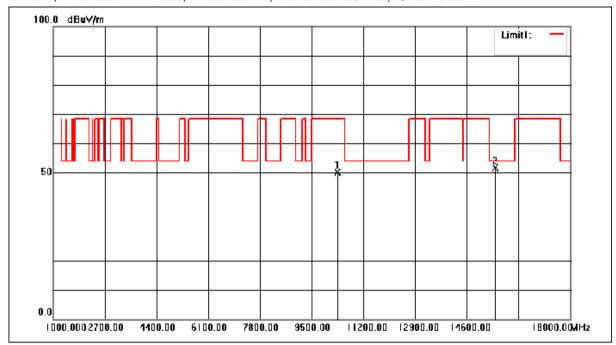
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10360.000	50.08	0.16	50.24	68.30	-18.06	peak
2	15540.000	45.89	5.73	51.62	54.00	-2.38	peak



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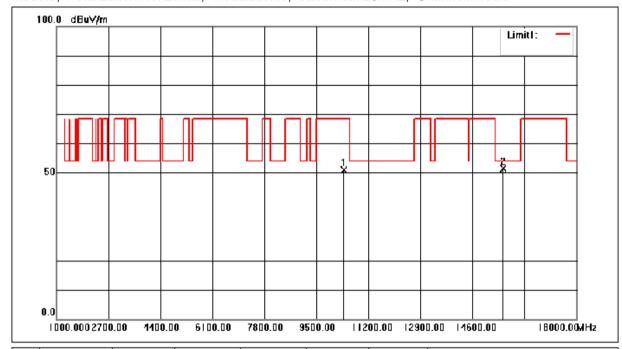
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	50.55	0.24	50.79	68.30	-17.51	peak
2	15600.000	45.53	5.85	51.38	54.00	-2.62	peak



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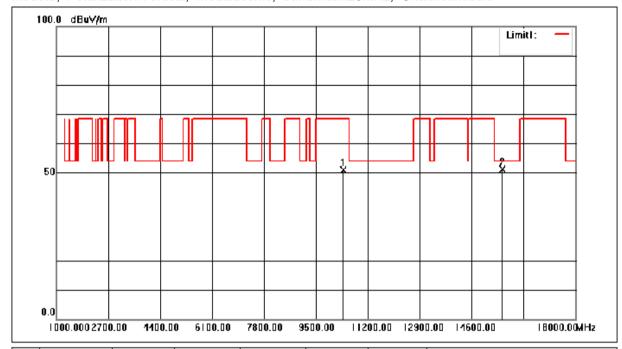
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	50.68	0.24	50.92	68.30	-17.38	peak
2	15600.000	45.25	5.85	51.10	54.00	-2.90	peak



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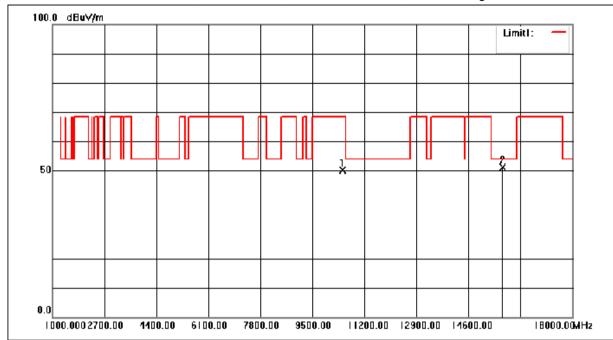
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	49.74	0.40	50.14	68.30	-18.16	peak
2	15720.000	45.12	6.10	51.22	54.00	-2.78	peak



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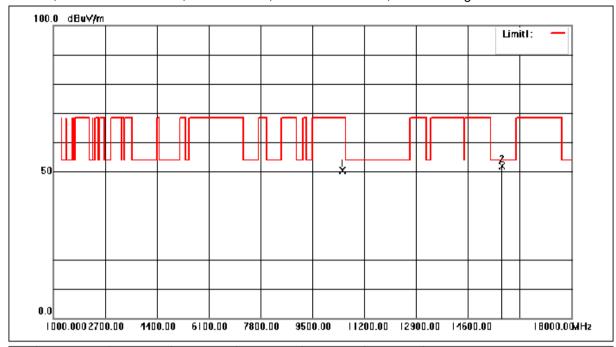
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	50.09	0.40	50.49	68.30	-17.81	peak
2	15720.000	45.79	6.10	51.89	54.00	-2.11	peak



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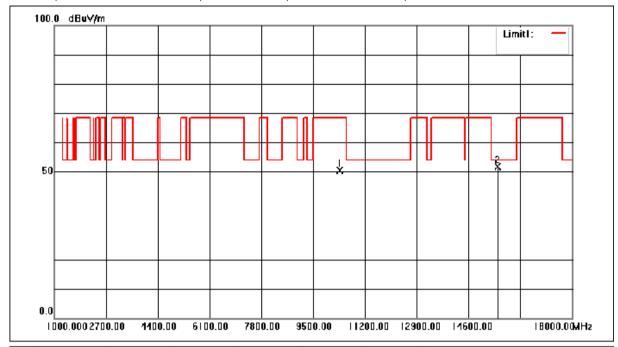
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	50.22	0.20	50.42	68.30	-17.88	peak
2	15570.000	45.76	5.79	51.55	54.00	-2.45	peak



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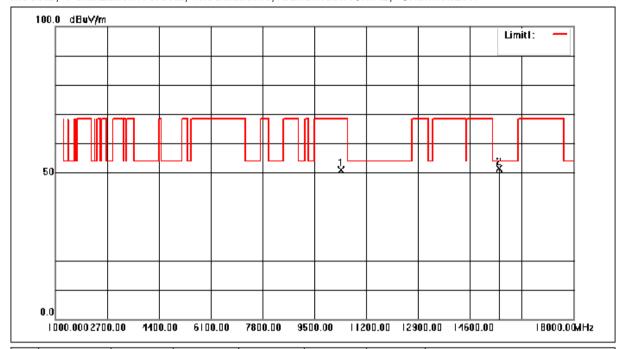
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	50.77	0.20	50.97	68.30	-17.33	peak
2	15570.000	45.66	5.79	51.45	54.00	-2.55	peak



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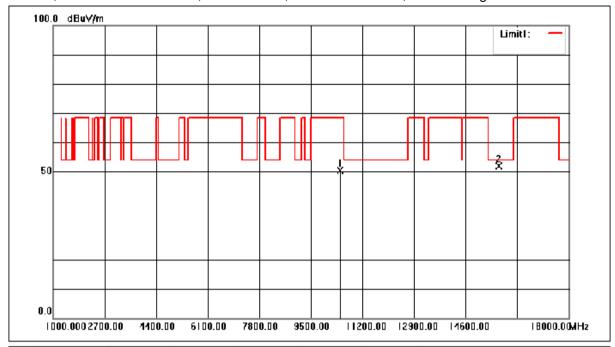
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	50.11	0.36	50.47	68.30	-17.83	peak
2	15690.000	45.87	6.04	51.91	54.00	-2.09	peak



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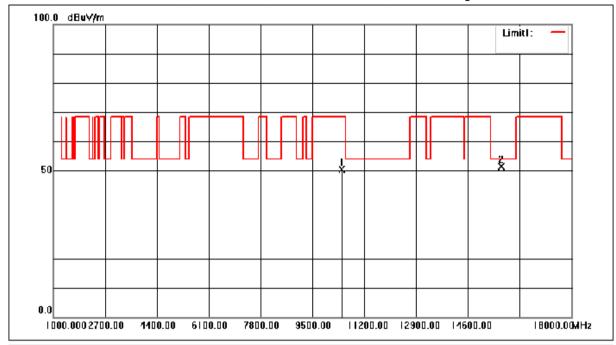
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10460.000	50.00	0.36	50.36	68.30	-17.94	peak
2	15690.000	45.28	6.04	51.32	54.00	-2.68	peak



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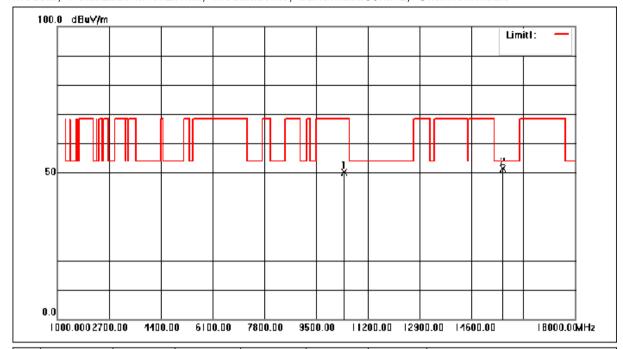
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10420.000	49.77	0.28	50.05	68.30	-18.25	peak
2	15630.000	45.56	5.92	51.48	54.00	-2.52	peak



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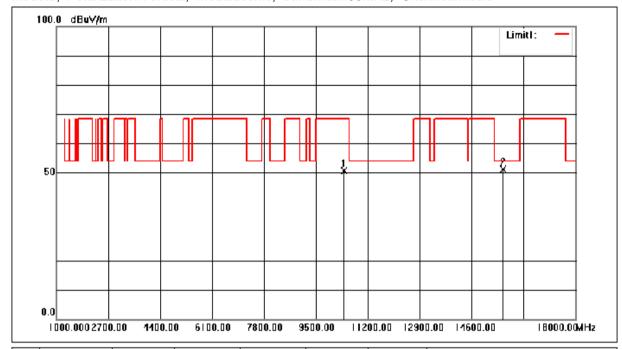
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10420.000	50.46	0.28	50.74	68.30	-17.56	peak
2	15630.000	45.24	5.92	51.16	54.00	-2.84	peak



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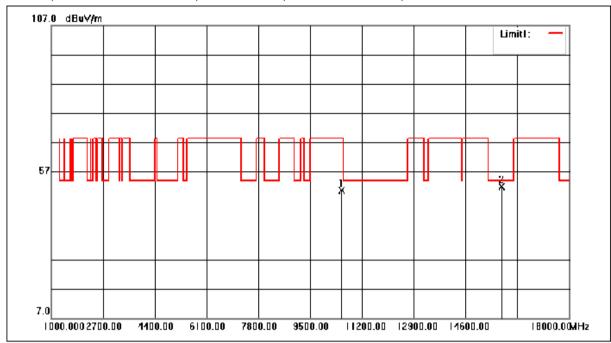
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	50.31	0.44	50.75	68.30	-17.55	peak
2	15780.000	45.72	6.23	51.95	54.00	-2.05	peak



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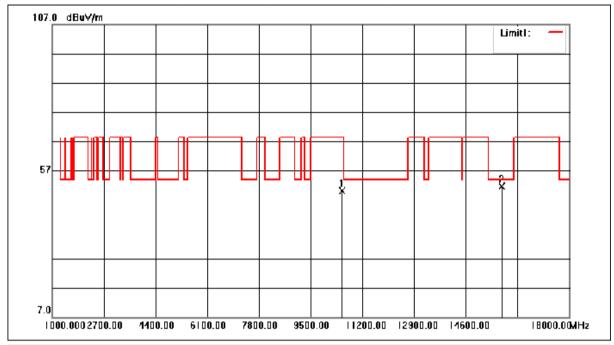
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.68	0.44	50.12	68.30	-18.18	peak
2	15780.000	45.38	6.23	51.61	54.00	-2.39	peak



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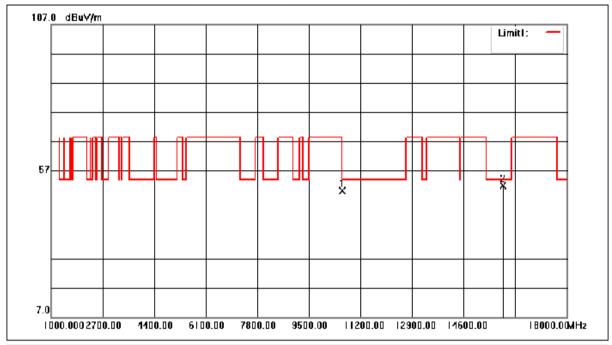
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10600.000	49.64	0.46	50.10	54.00	-3.90	peak
2	15900.000	45.39	6.48	51.87	54.00	-2.13	peak



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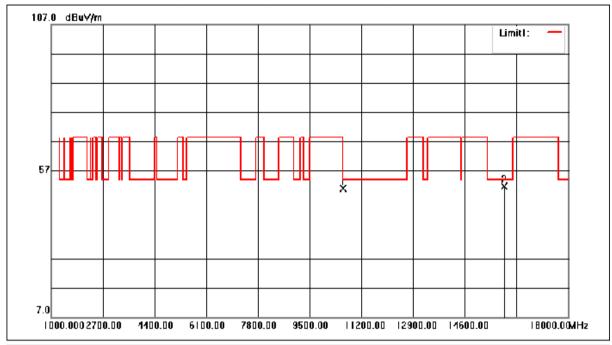
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10600.000	50.42	0.46	50.88	54.00	-3.12	peak
2	15900.000	45.16	6.48	51.64	54.00	-2.36	peak



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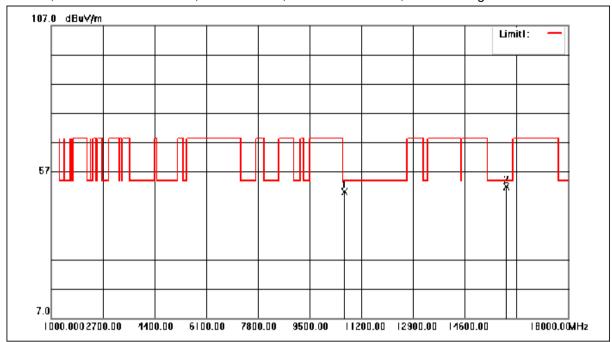
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	49.67	0.46	50.13	54.00	-3.87	peak
2	15960.000	45.34	6.60	51.94	54.00	-2.06	peak



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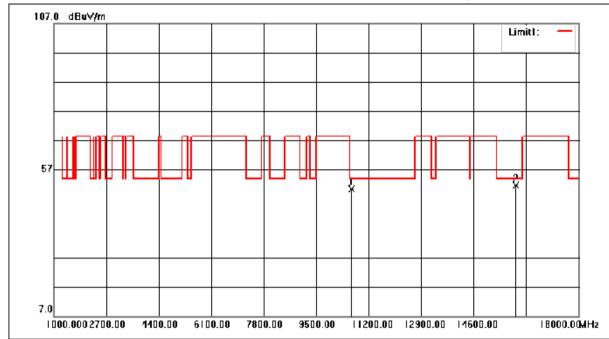
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No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	49.96	0.46	50.42	54.00	-3.58	peak
2	15960.000	45.11	6.60	51.71	54.00	-2.29	peak



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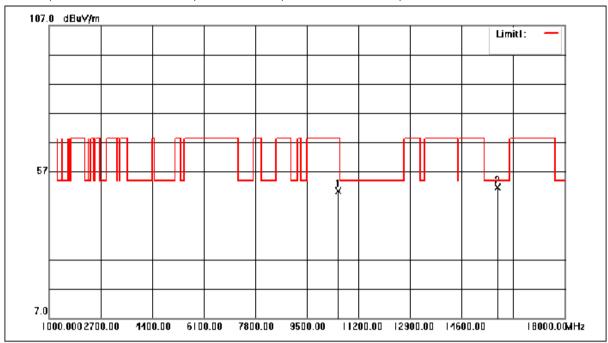
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10520.000	49.88	0.44	50.32	68.30	-17.98	peak
2	15780.000	45.45	6.23	51.68	54.00	-2.32	peak



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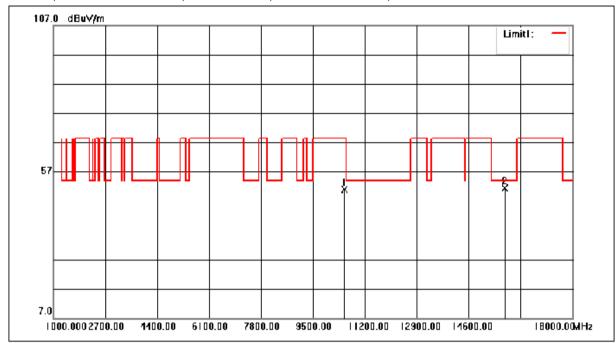
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency		Correction		Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10520.000	50.38	0.44	50.82	68.30	-17.48	peak
2	15780.000	45.26	6.23	51.49	54.00	-2.51	peak



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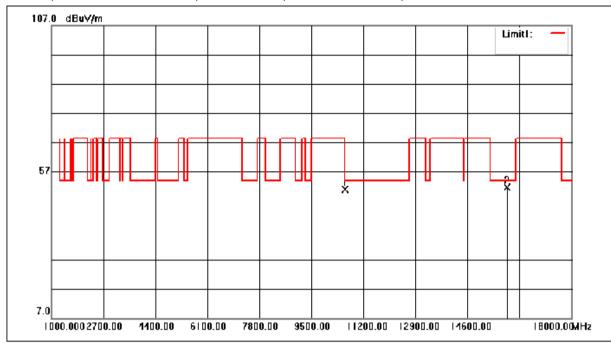
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10600.000	50.48	0.46	50.94	54.00	-3.06	peak
2	15900.000	45.11	6.48	51.59	54.00	-2.41	peak



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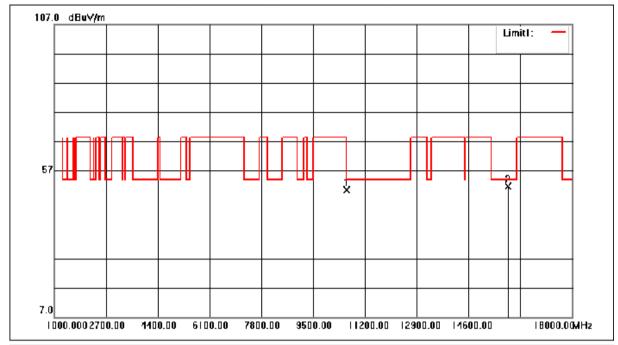
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10600.000	49.85	0.46	50.31	54.00	-3.69	peak
2	15900.000	45.19	6.48	51.67	54.00	-2.33	peak



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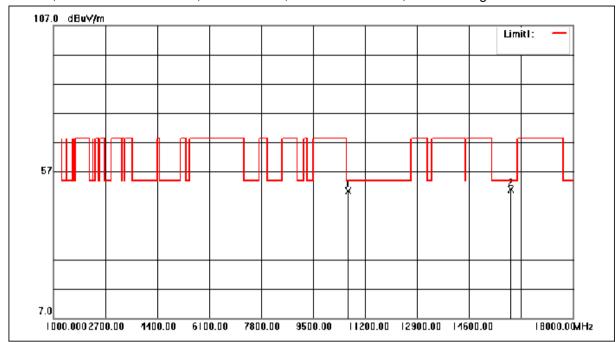
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10640.000	49.91	0.46	50.37	54.00	-3.63	peak
2	15960.000	44.40	6.60	51.00	54.00	-3.00	peak



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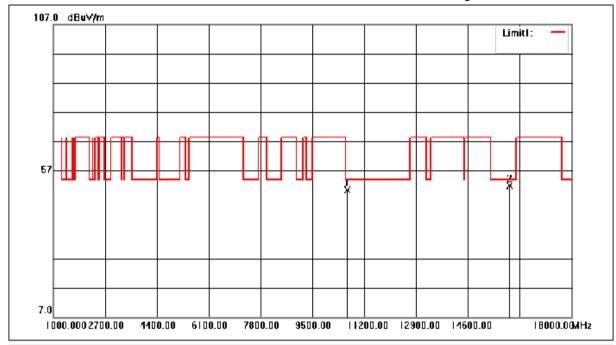
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	50.00	0.46	50.46	54.00	-3.54	peak
2	15960.000	45.19	6.60	51.79	54.00	-2.21	peak



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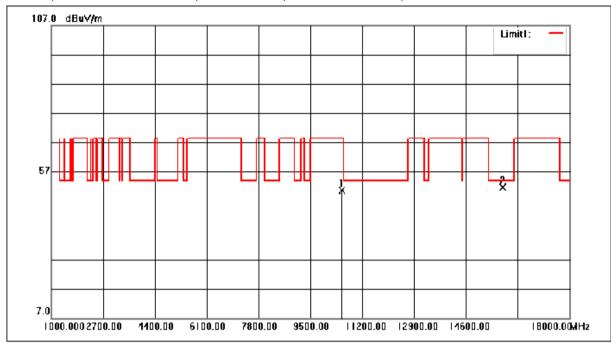
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	50.11	0.44	50.55	68.30	-17.75	peak
2	15810.000	45.40	6.29	51.69	54.00	-2.31	peak



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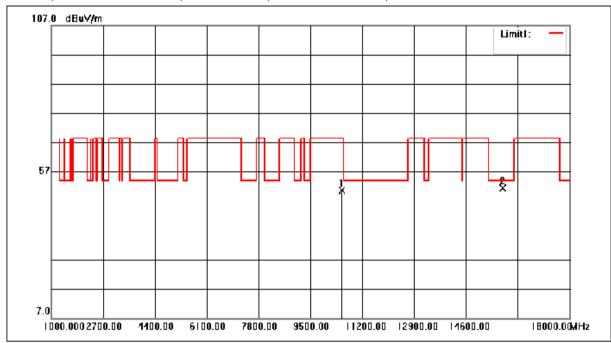
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10540.000	50.17	0.44	50.61	68.30	-17.69	peak
2	15810.000	45.15	6.29	51.44	54.00	-2.56	peak



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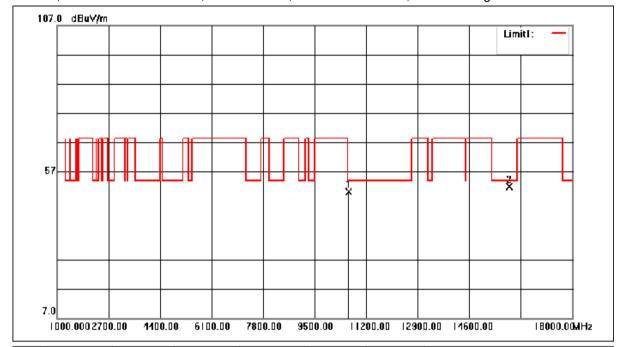
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10620.000	49.76	0.46	50.22	54.00	-3.78	peak
2	15930.000	45.37	6.54	51.91	54.00	-2.09	peak



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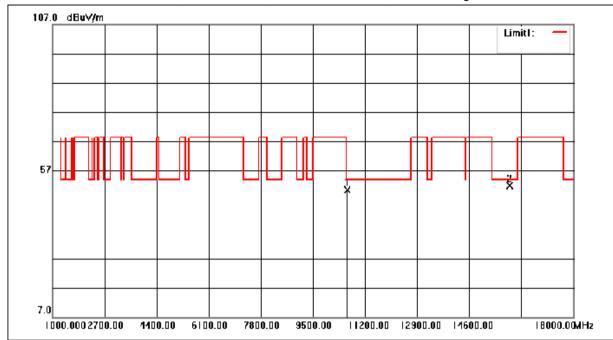
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10620.000	49.90	0.46	50.36	54.00	-3.64	peak
2	15930.000	45.27	6.54	51.81	54.00	-2.19	peak



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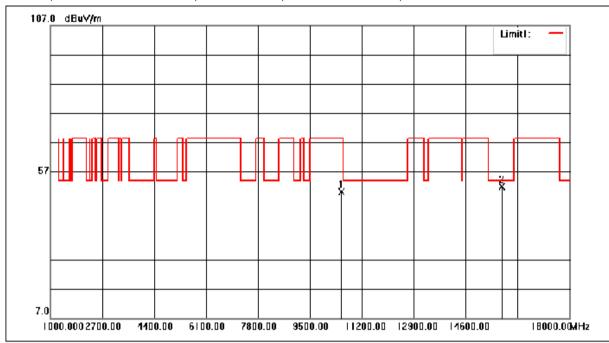
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.77	0.44	50.21	68.30	-18.09	peak
2	15780.000	45.53	6.23	51.76	54.00	-2.24	peak



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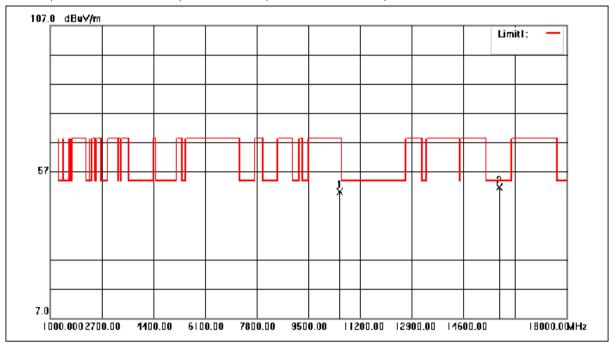
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No	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.75	0.44	50.19	68.30	-18.11	peak
2	15780.000	45.43	6.23	51.66	54.00	-2.34	peak



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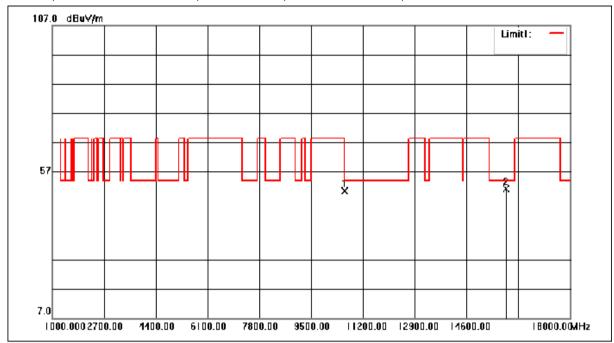
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10600.000	49.95	0.46	50.41	54.00	-3.59	peak
2	15900.000	44.56	6.48	51.04	54.00	-2.96	peak



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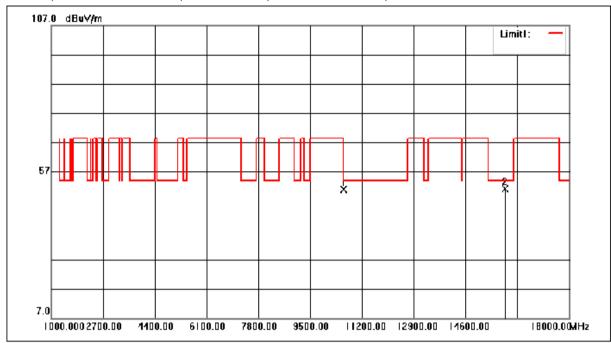
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



1	No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
•	1	10600.000	50.31	0.46	50.77	54.00	-3.23	peak
2	2	15900.000	44.77	6.48	51.25	54.00	-2.75	peak



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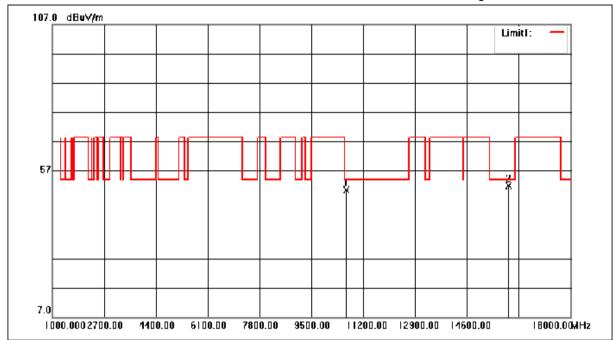
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	49.95	0.46	50.41	54.00	-3.59	peak
2	15960.000	45.27	6.60	51.87	54.00	-2.13	peak



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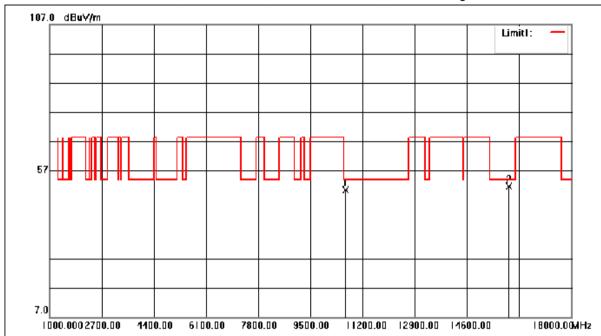
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10640.000	49.96	0.46	50.42	54.00	-3.58	peak
2	15960.000	44.98	6.60	51.58	54.00	-2.42	peak



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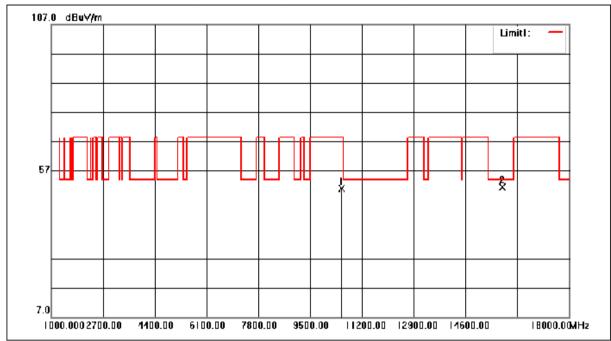
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	50.51	0.44	50.95	68.30	-17.35	peak
2	15810.000	45.05	6.29	51.34	54.00	-2.66	peak



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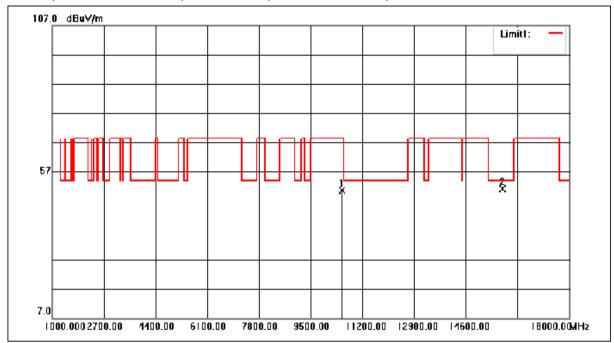
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10540.000	50.13	0.44	50.57	68.30	-17.73	peak
2	15810.000	44.92	6.29	51.21	54.00	-2.79	peak



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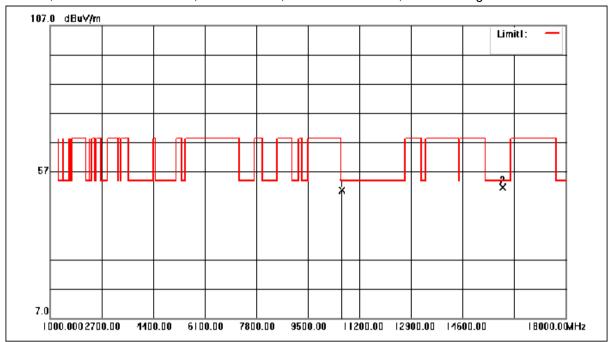
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10620.000	50.19	0.46	50.65	54.00	-3.35	peak
2	15930.000	45.02	6.54	51.56	54.00	-2.44	peak



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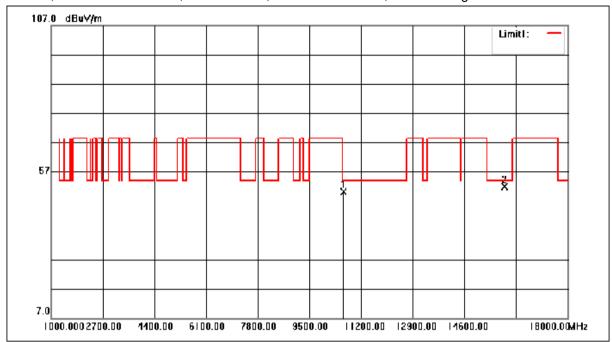
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10620.000	49.67	0.46	50.13	54.00	-3.87	peak
2	15930.000	45.38	6.54	51.92	54.00	-2.08	peak



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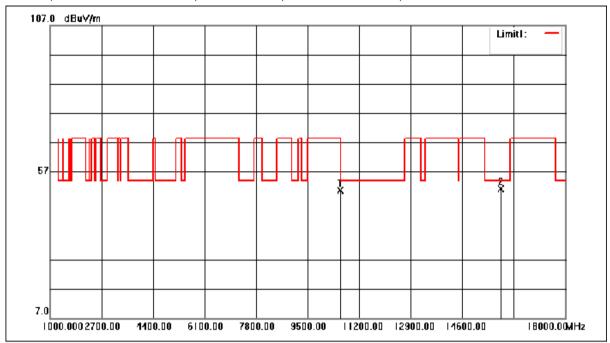
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10580.000	50.05	0.46	50.51	68.30	-17.79	peak
2	15870.000	44.65	6.41	51.06	54.00	-2.94	peak



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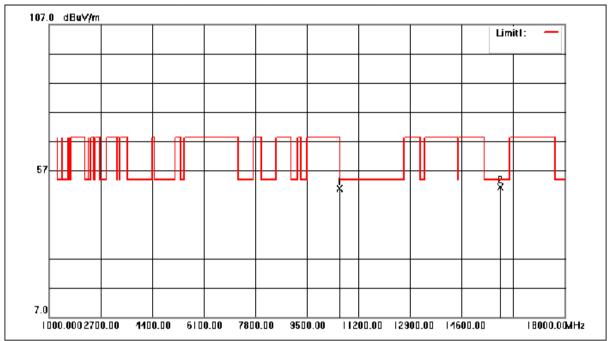
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10580.000	50.40	0.46	50.86	68.30	-17.44	peak
2	15870.000	44.88	6.41	51.29	54.00	-2.71	peak



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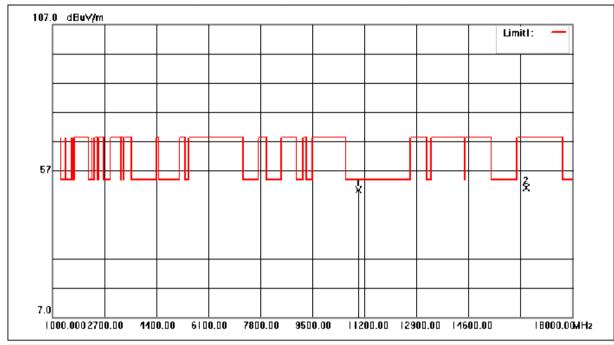
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Mode:d; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	49.87	0.54	50.41	54.00	-3.59	peak
2	16500.000	42.65	8.43	51.08	68.30	-17.22	peak



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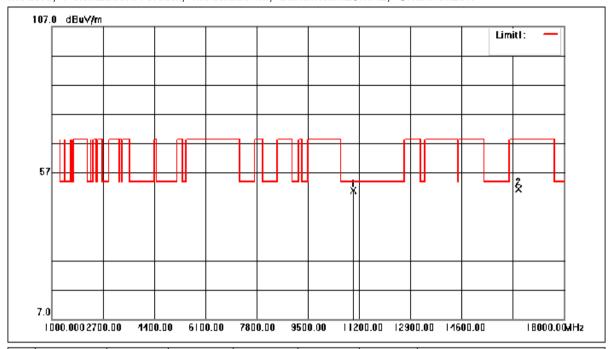
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Mode:d; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	50.27	0.54	50.81	54.00	-3.19	peak
2	16500.000	42.89	8.43	51.32	68.30	-16.98	peak



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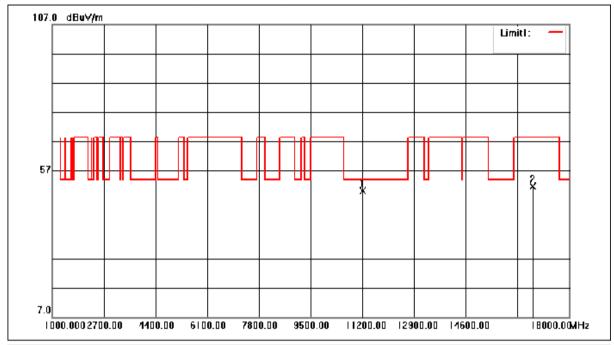
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Mode:d; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11200.000	49.41	0.71	50.12	54.00	-3.88	peak
2	16800.000	42.84	8.89	51.73	68.30	-16.57	peak



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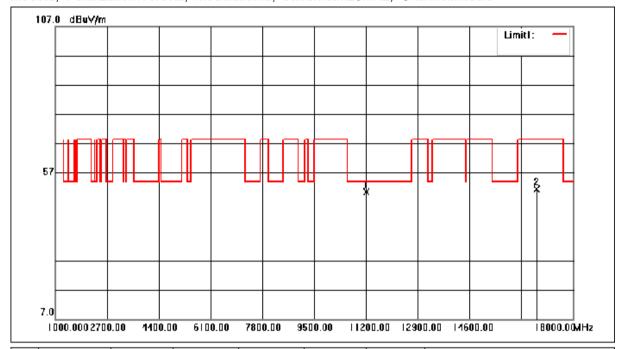
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Mode:d; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	49.56	0.71	50.27	54.00	-3.73	peak
2	16800.000	42.44	8.89	51.33	68.30	-16.97	peak



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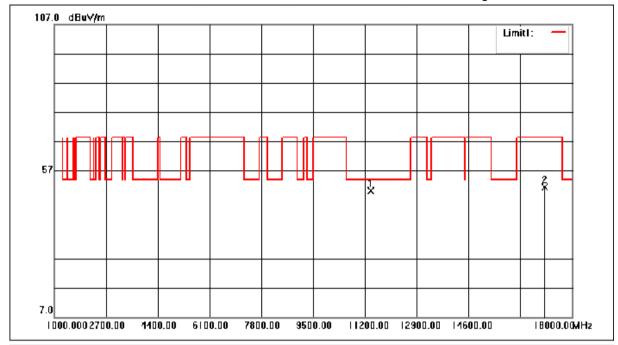
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Mode:d; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	49.26	0.87	50.13	54.00	-3.87	peak
2	17100.000	42.28	9.13	51.41	68.30	-16.89	peak



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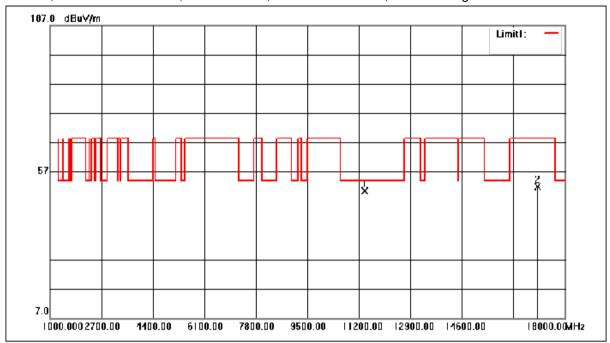
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Mode:d; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	49.42	0.87	50.29	54.00	-3.71	peak
2	17100.000	42.76	9.13	51.89	68.30	-16.41	peak



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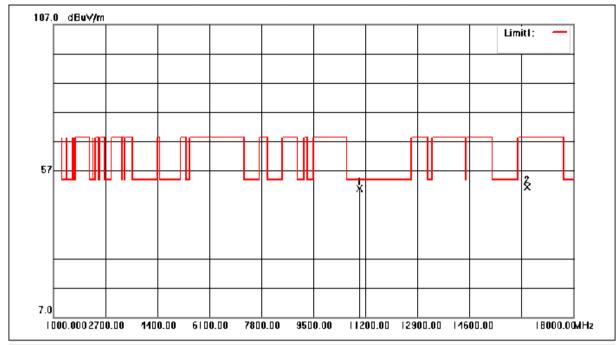
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	50.29	0.54	50.83	54.00	-3.17	peak
2	16500.000	43.07	8.43	51.50	68.30	-16.80	peak



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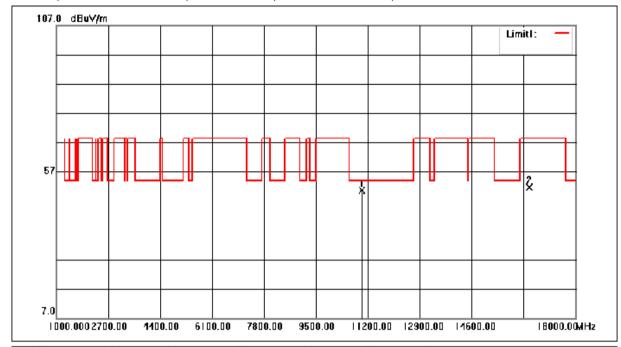
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	50.09	0.54	50.63	54.00	-3.37	peak
2	16500.000	43.29	8.43	51.72	68.30	-16.58	peak



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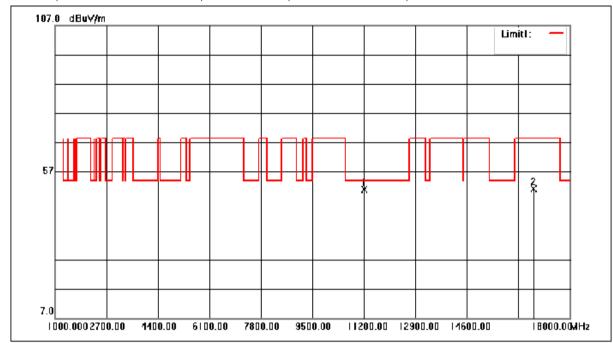
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	50.26	0.71	50.97	54.00	-3.03	peak
2	16800.000	42.31	8.89	51.20	68.30	-17.10	peak



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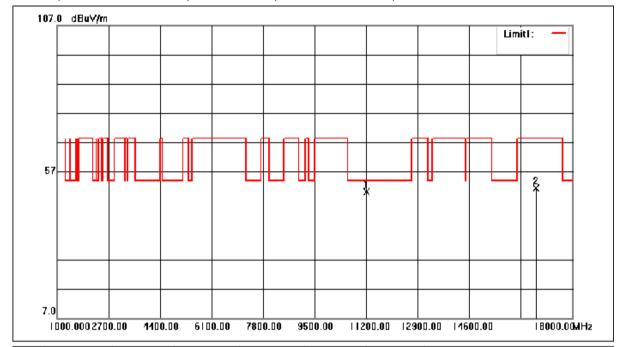
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	49.45	0.71	50.16	54.00	-3.84	peak
2	16800.000	42.53	8.89	51.42	68.30	-16.88	peak



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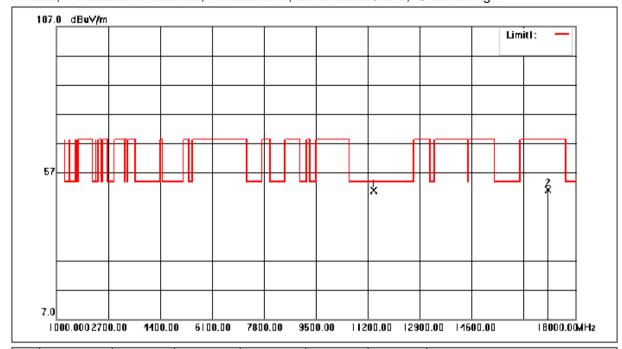
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



N	0.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1		11400.000	49.90	0.87	50.77	54.00	-3.23	peak
2		17100.000	41.88	9.13	51.01	68.30	-17.29	peak



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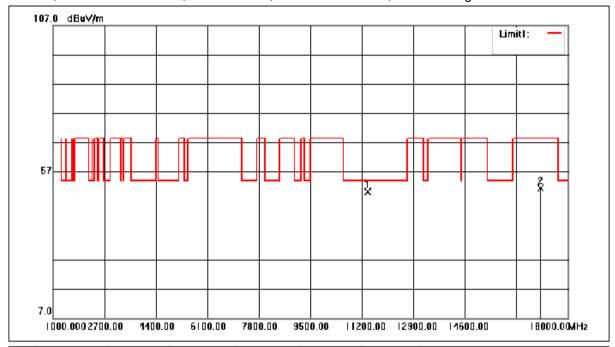
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	49.37	0.87	50.24	54.00	-3.76	peak
2	17100.000	42.33	9.13	51.46	68.30	-16.84	peak



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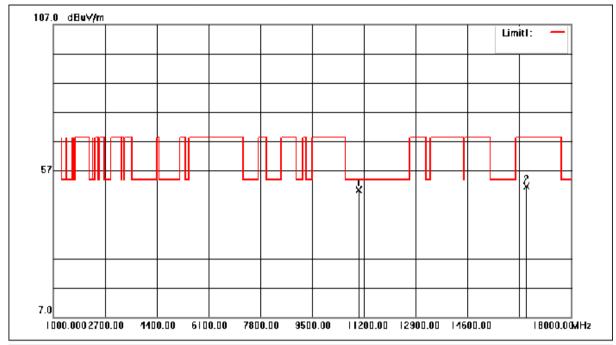
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	9	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	49.78	0.56	50.34	54.00	-3.66	peak
2	16530.000	43.07	8.47	51.54	68.30	-16.76	peak



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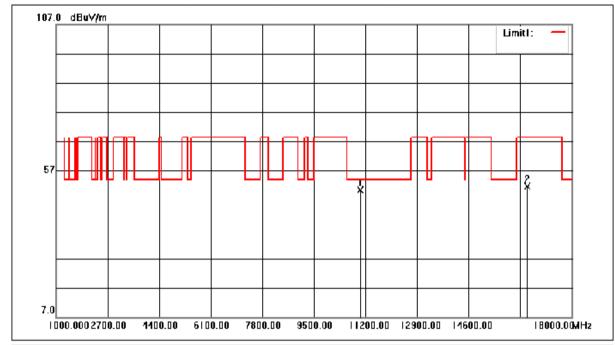
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11020.000	49.79	0.56	50.35	54.00	-3.65	peak
2	16530.000	43.20	8.47	51.67	68.30	-16.63	peak



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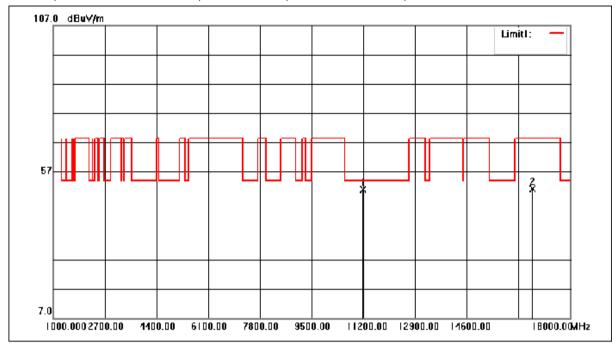
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11180.000	50.27	0.69	50.96	54.00	-3.04	peak
2	16770.000	42.33	8.84	51.17	68.30	-17.13	peak



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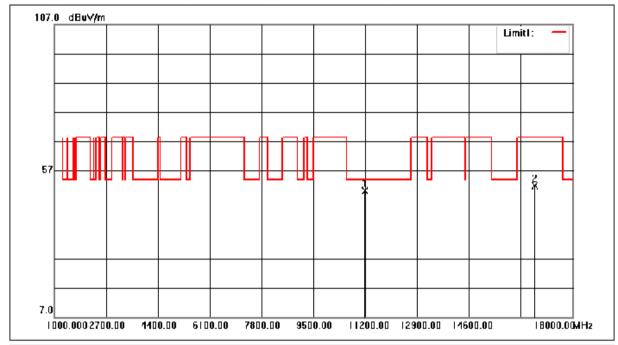
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:middle



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11180.000	49.39	0.69	50.08	54.00	-3.92	peak
2	16770.000	43.01	8.84	51.85	68.30	-16.45	peak



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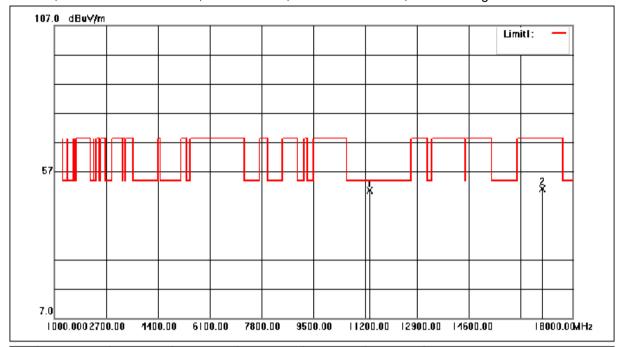
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11340.000	49.83	0.82	50.65	54.00	-3.35	peak
2	17010.000	41.88	9.18	51.06	68.30	-17.24	peak



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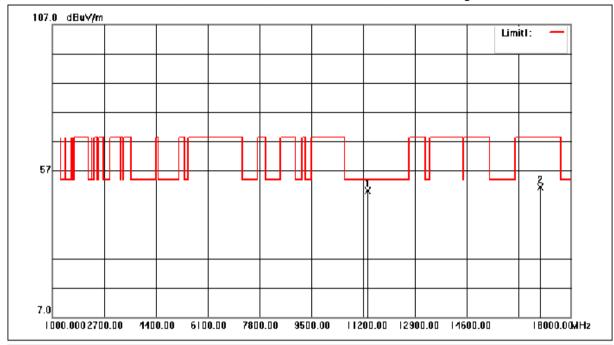
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	49.30	0.82	50.12	54.00	-3.88	peak
2	17010.000	42.25	9.18	51.43	68.30	-16.87	peak



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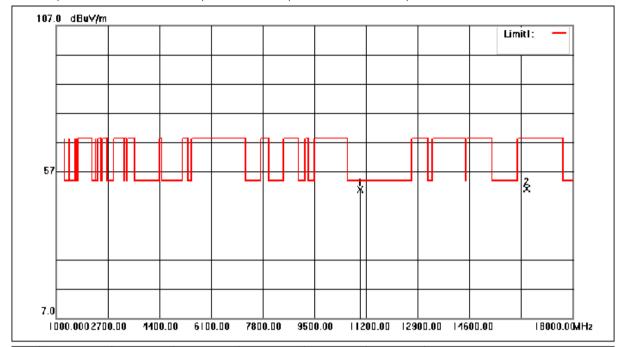
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11000.000	50.25	0.54	50.79	54.00	-3.21	peak
2	16500.000	42.59	8.43	51.02	68.30	-17.28	peak



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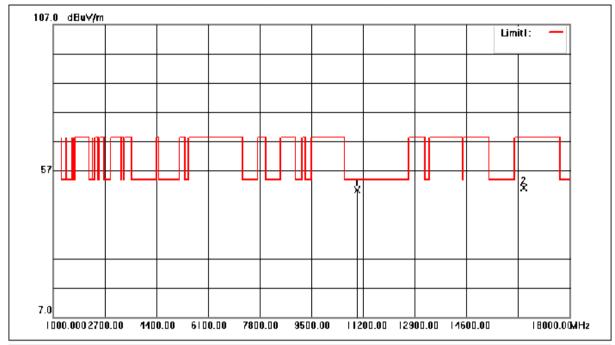
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11000.000	49.90	0.54	50.44	54.00	-3.56	peak
2	16500.000	42.64	8.43	51.07	68.30	-17.23	peak



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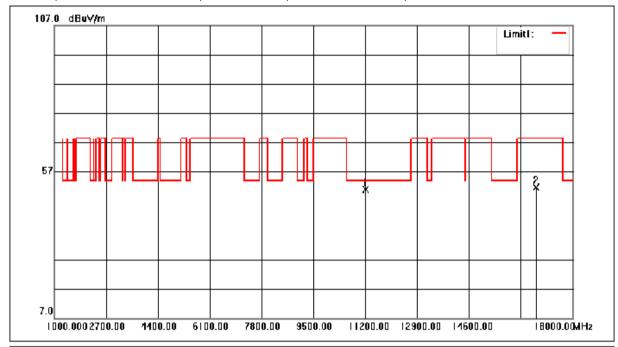
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



1	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
•	1	11200.000	50.16	0.71	50.87	54.00	-3.13	peak
2	2	16800.000	42.71	8.89	51.60	68.30	-16.70	peak



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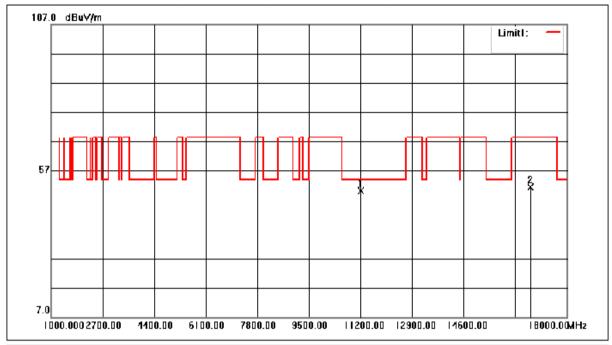
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11200.000	49.52	0.71	50.23	54.00	-3.77	peak
2	16800.000	42.57	8.89	51.46	68.30	-16.84	peak



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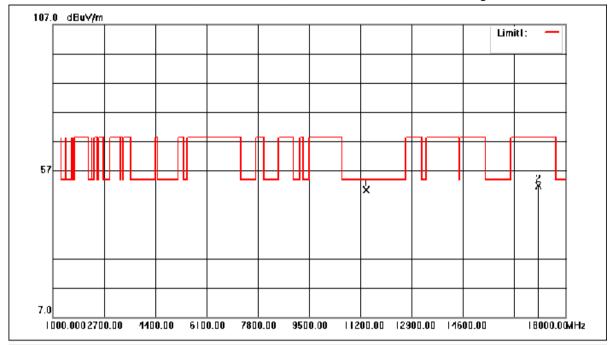
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	49.44	0.87	50.31	54.00	-3.69	peak
2	17100.000	42.86	9.13	51.99	68.30	-16.31	peak



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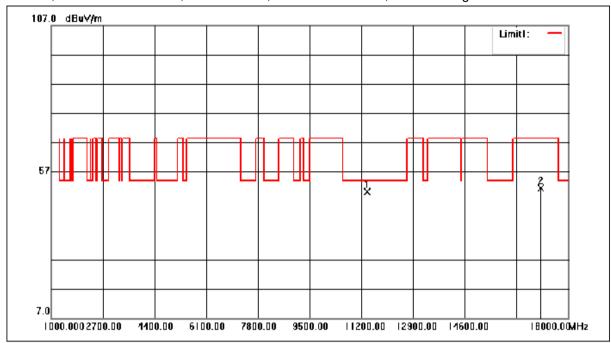
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11400.000	49.17	0.87	50.04	54.00	-3.96	peak
2	17100.000	42.25	9.13	51.38	68.30	-16.92	peak



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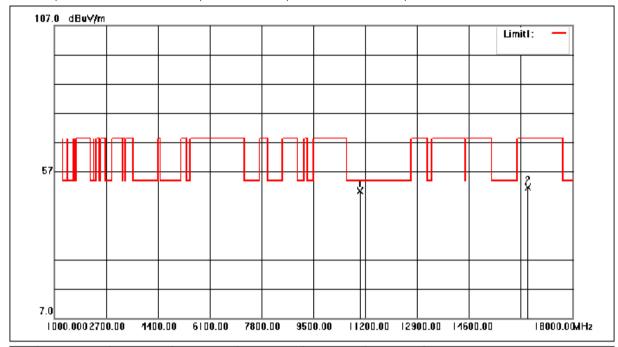
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11020.000	49.71	0.56	50.27	54.00	-3.73	peak
2	16530.000	43.12	8.47	51.59	68.30	-16.71	peak



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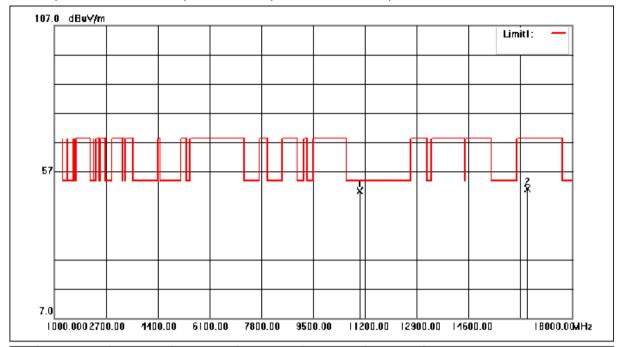
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11020.000	49.94	0.56	50.50	54.00	-3.50	peak
2	16530.000	42.67	8.47	51.14	68.30	-17.16	peak



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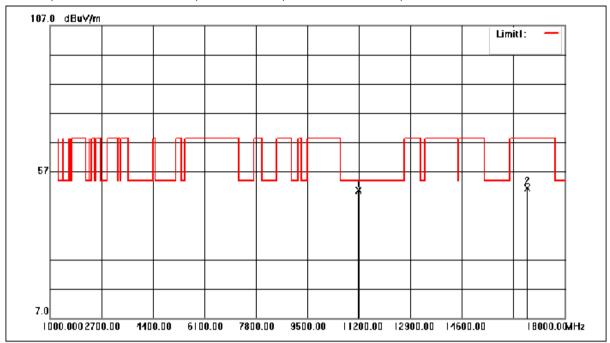
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11180.000	50.03	0.69	50.72	54.00	-3.28	peak
2	16770.000	42.60	8.84	51.44	68.30	-16.86	peak



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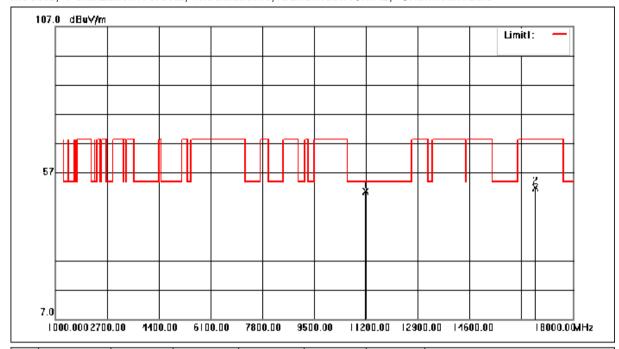
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11180.000	49.88	0.69	50.57	54.00	-3.43	peak
2	16770.000	42.96	8.84	51.80	68.30	-16.50	peak



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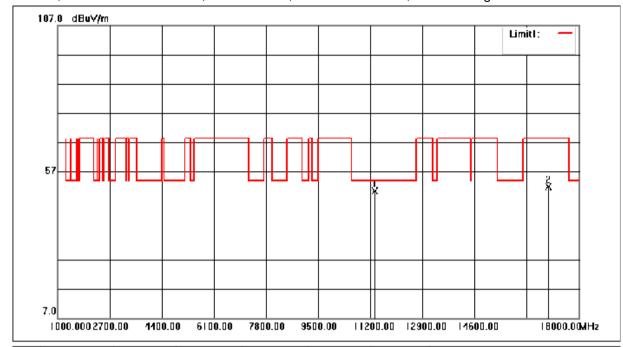
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11340.000	49.56	0.82	50.38	54.00	-3.62	peak
2	17010.000	42.79	9.18	51.97	68.30	-16.33	peak



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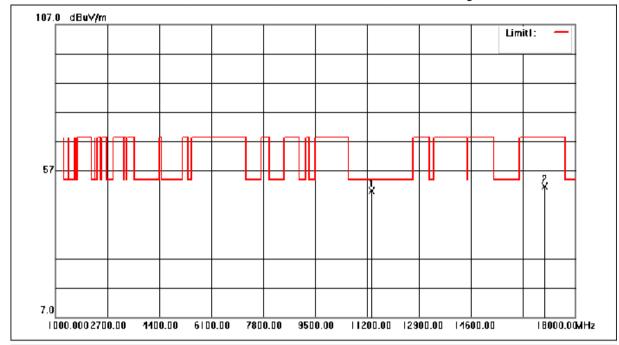
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11340.000	49.38	0.82	50.20	54.00	-3.80	peak
2	17010.000	42.36	9.18	51.54	68.30	-16.76	peak



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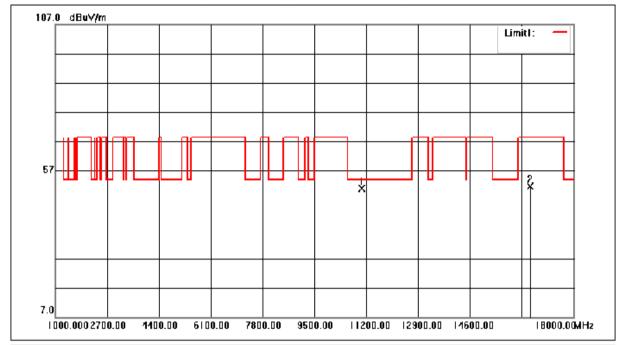
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11060.000	50.35	0.59	50.94	54.00	-3.06	peak
2	16590.000	43.06	8.56	51.62	68.30	-16.68	peak



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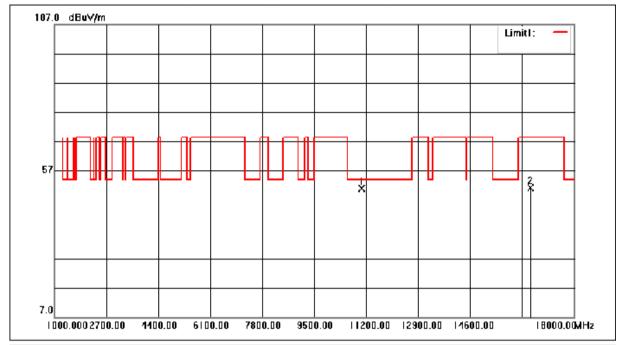
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11060.000	50.19	0.59	50.78	54.00	-3.22	peak
2	16590.000	42.63	8.56	51.19	68.30	-17.11	peak



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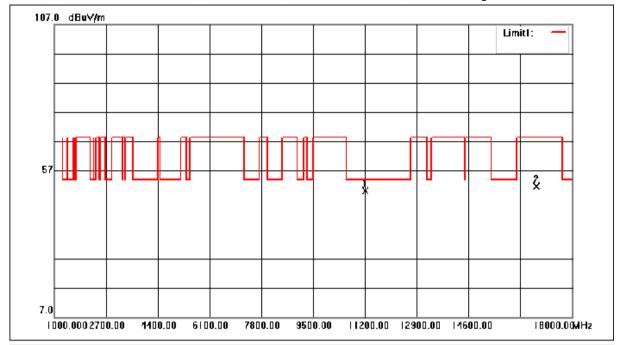
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11220.000	49.52	0.72	50.24	54.00	-3.76	peak
2	16830.000	42.77	8.93	51.70	68.30	-16.60	peak



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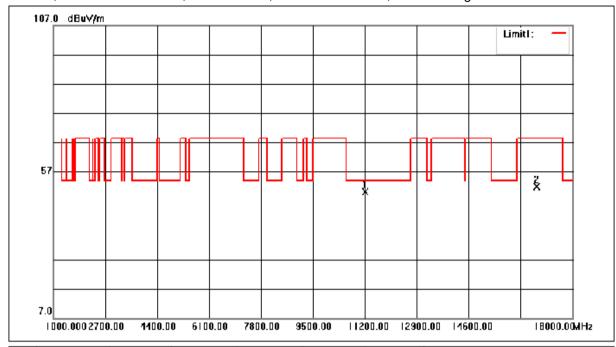
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11220.000	49.43	0.72	50.15	54.00	-3.85	peak
2	16830.000	43.00	8.93	51.93	68.30	-16.37	peak



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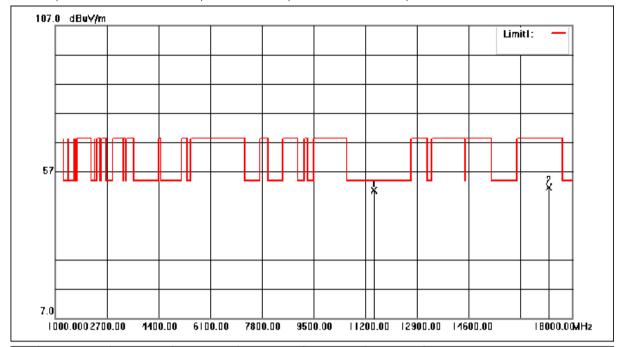
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



1	Vo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1	11490.000	49.62	0.94	50.56	54.00	-3.44	peak
2	2	17235.000	42.68	9.05	51.73	68.30	-16.57	peak



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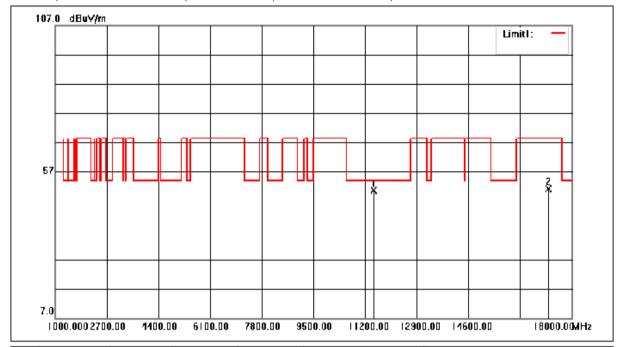
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11490.000	49.59	0.94	50.53	54.00	-3.47	peak
ſ	2	17235.000	41.96	9.05	51.01	68.30	-17.29	peak



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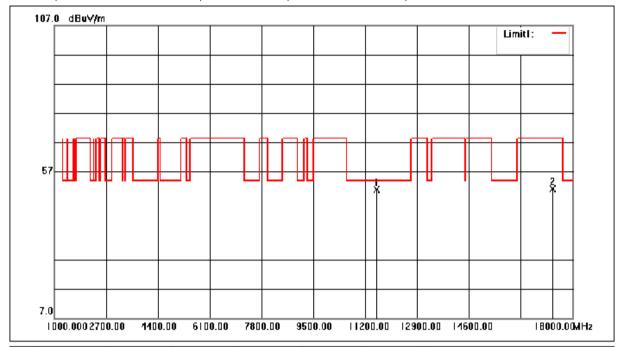
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	49.75	1.18	50.93	54.00	-3.07	peak
2	17355.000	42.17	8.98	51.15	68.30	-17.15	peak



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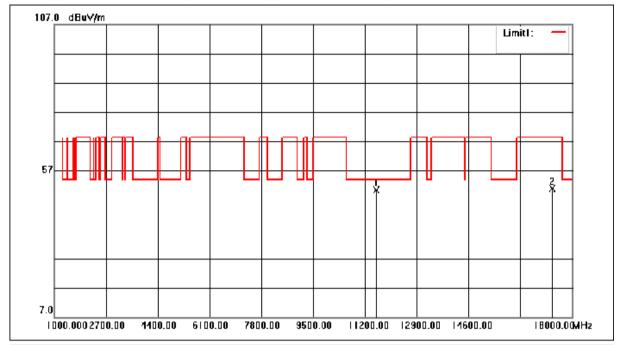
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11570.000	49.13	1.18	50.31	54.00	-3.69	peak
Ī	2	17355.000	42.02	8.98	51.00	68.30	-17.30	peak



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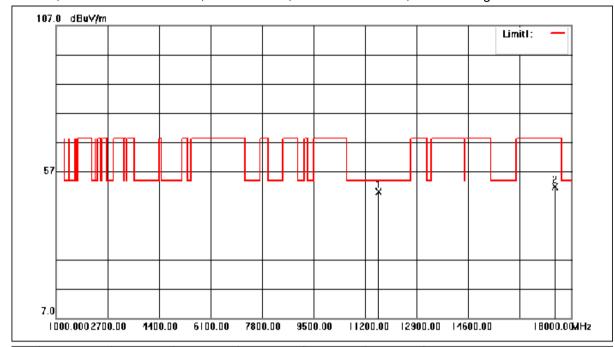
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.64	1.45	50.09	54.00	-3.91	peak
2	17475.000	42.86	8.90	51.76	68.30	-16.54	peak



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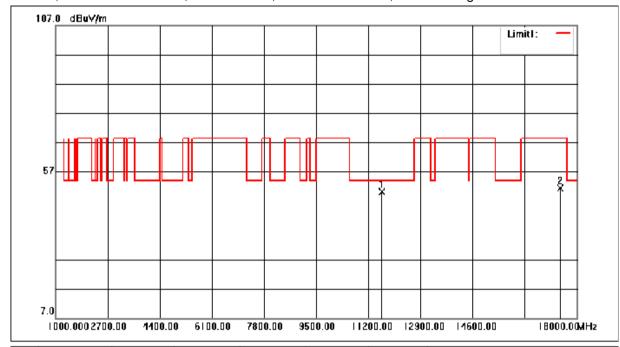
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.60	1.45	50.05	54.00	-3.95	peak
2	17475.000	42.49	8.90	51.39	68.30	-16.91	peak



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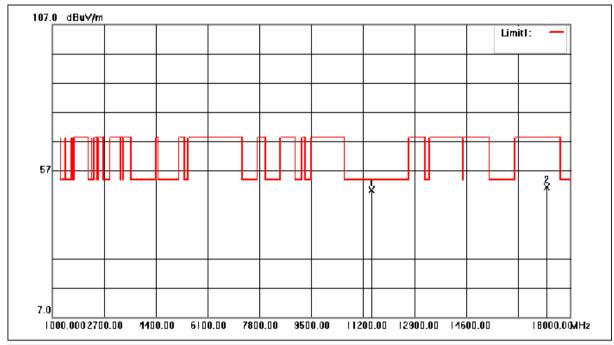
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



	No.	Frequency (MHz)	9	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
H	1	11490.000	49.55	0.94	50.49	54.00	-3.51	peak
	2	17235.000	42.43	9.05	51.48	68.30	-16.82	peak



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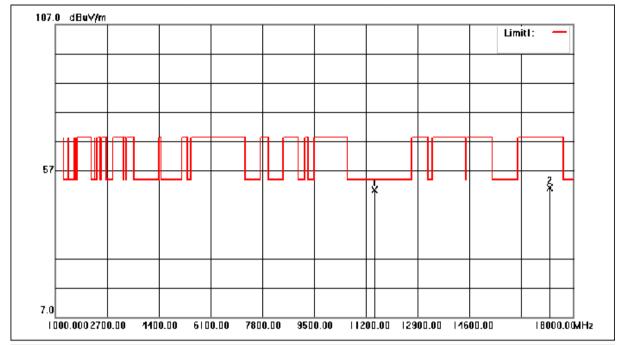
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	49.46	0.94	50.40	54.00	-3.60	peak
2	17235.000	42.13	9.05	51.18	68.30	-17.12	peak



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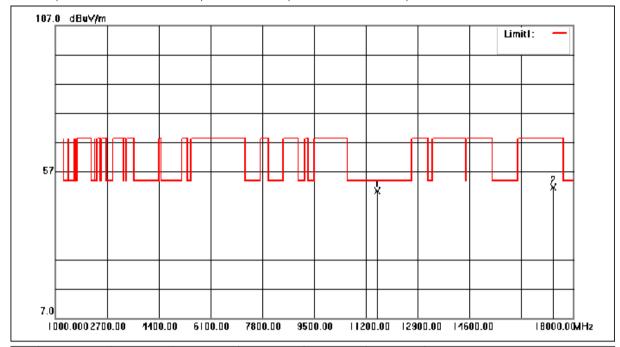
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11570.000	49.18	1.18	50.36	54.00	-3.64	peak
Ī	2	17355.000	42.58	8.98	51.56	68.30	-16.74	peak



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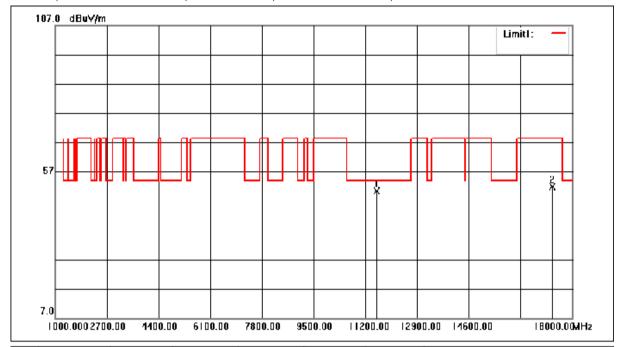
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	11570.000	49.11	1.18	50.29	54.00	-3.71	peak
Γ	2	17355.000	42.99	8.98	51.97	68.30	-16.33	peak



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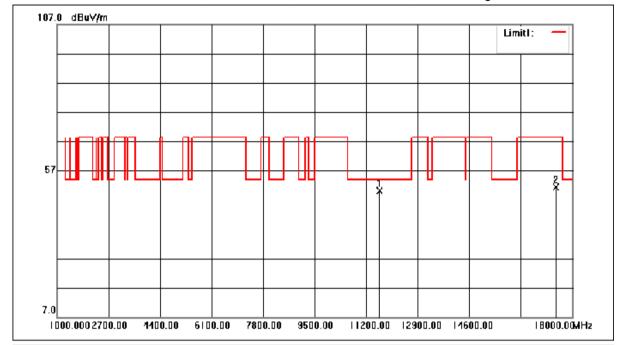
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.76	1.45	50.21	54.00	-3.79	peak
2	17475.000	42.44	8.90	51.34	68.30	-16.96	peak



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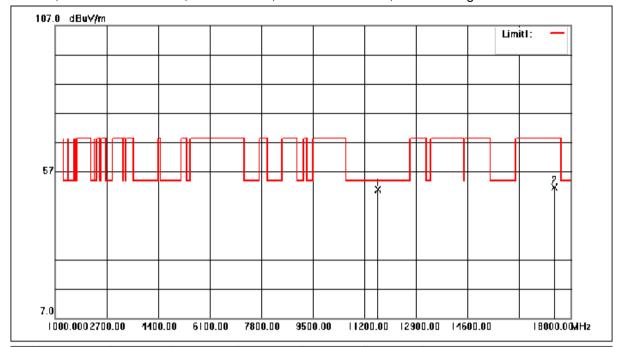
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	49.45	1.45	50.90	54.00	-3.10	peak
2	17475.000	42.68	8.90	51.58	68.30	-16.72	peak



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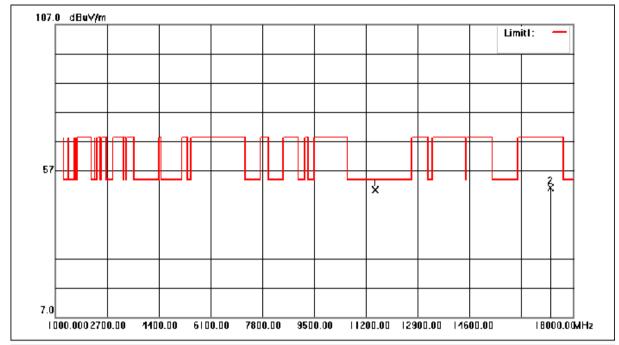
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	49.31	0.99	50.30	54.00	-3.70	peak
2	17265.000	42.22	9.03	51.25	68.30	-17.05	peak



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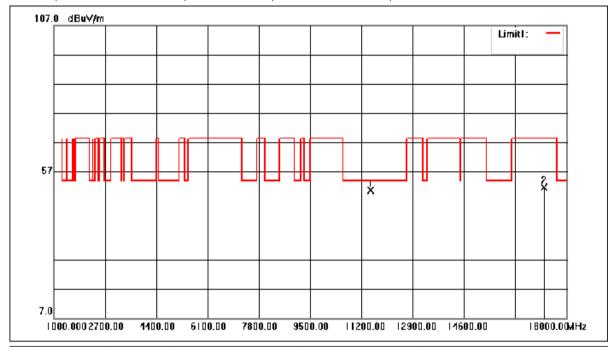
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	49.54	0.99	50.53	54.00	-3.47	peak
2	17265.000	42.61	9.03	51.64	68.30	-16.66	peak



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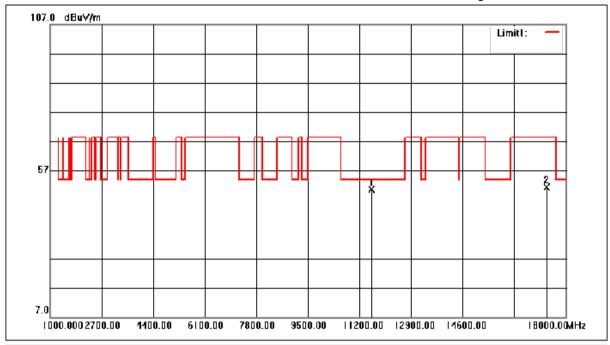
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	49.38	1.25	50.63	54.00	-3.37	peak
2	17385.000	42.46	8.96	51.42	68.30	-16.88	peak



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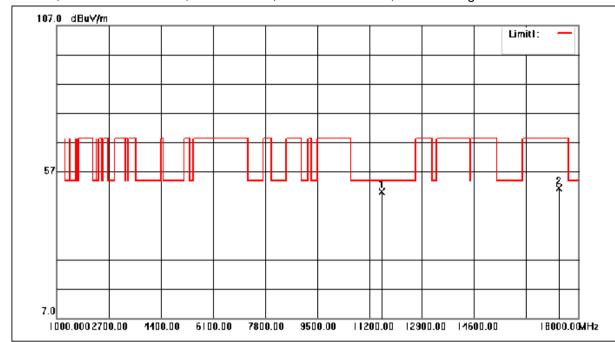
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.85	1.25	50.10	54.00	-3.90	peak
2	17385.000	42.38	8.96	51.34	68.30	-16.96	peak



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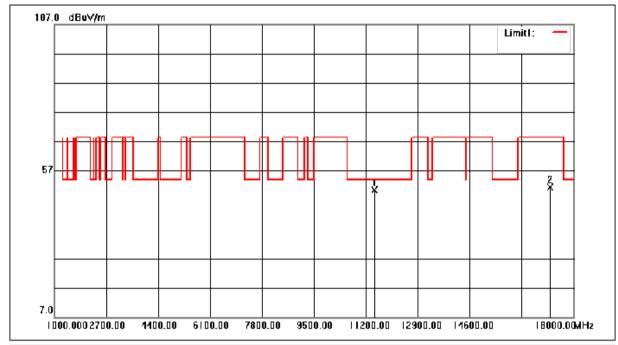
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	49.45	0.94	50.39	54.00	-3.61	peak
2	17235.000	42.30	9.05	51.35	68.30	-16.95	peak



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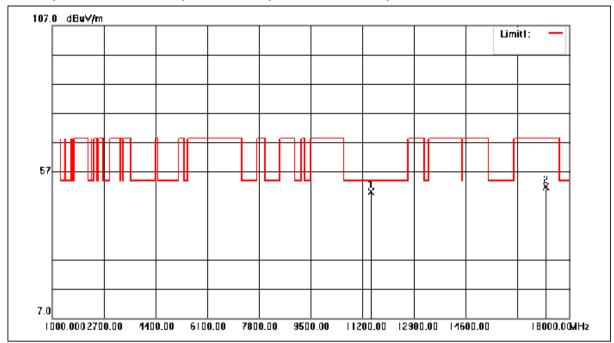
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	49.19	0.94	50.13	54.00	-3.87	peak
2	17235.000	42.81	9.05	51.86	68.30	-16.44	peak



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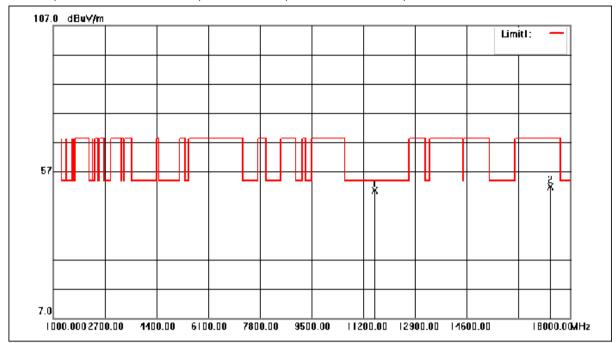
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Ī	1	11570.000	49.56	1.18	50.74	54.00	-3.26	peak
	2	17355.000	42.84	8.98	51.82	68.30	-16.48	peak



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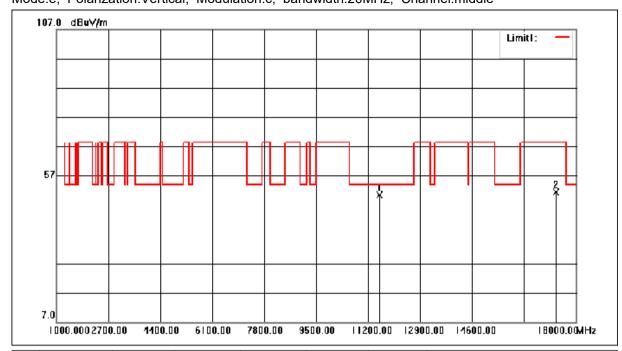
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Report No.: SHEM210800989702 Page: 145 of 255

Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	49.27	1.18	50.45	54.00	-3.55	peak
2	17355.000	42.30	8.98	51.28	68.30	-17.02	peak



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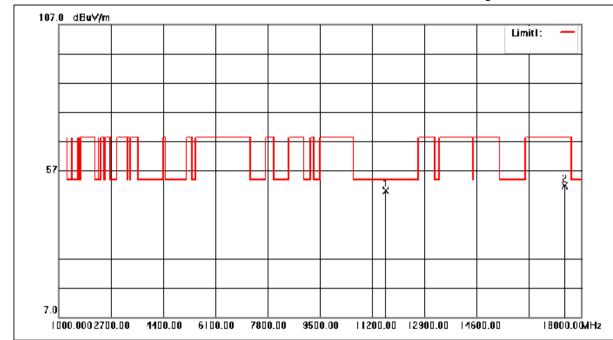
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.57	1.45	50.02	54.00	-3.98	peak
2	17475.000	42.89	8.90	51.79	68.30	-16.51	peak



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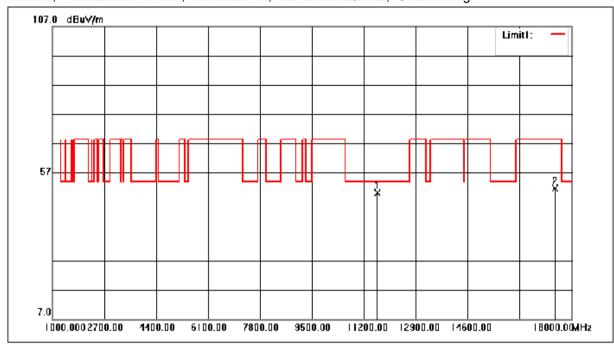
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.73	1.45	50.18	54.00	-3.82	peak
2	17475.000	42.62	8.90	51.52	68.30	-16.78	peak



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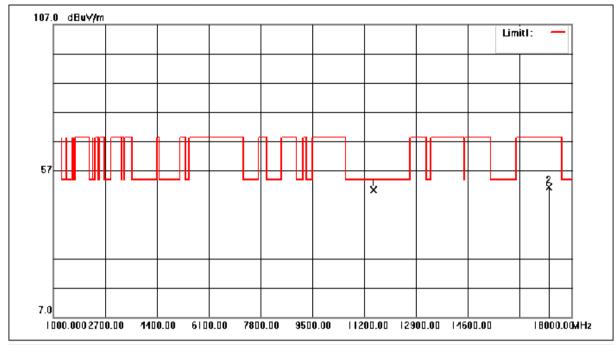
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	49.39	0.99	50.38	54.00	-3.62	peak
2	17265.000	42.44	9.03	51.47	68.30	-16.83	peak



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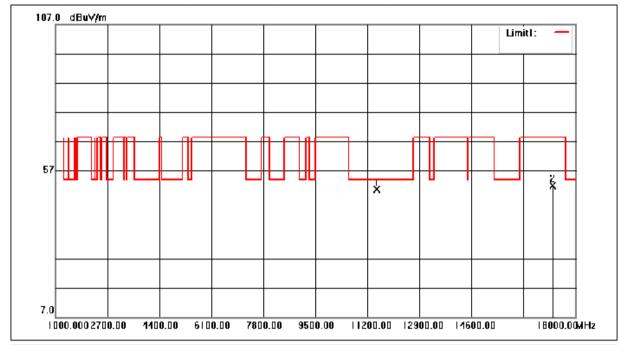
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	49.74	0.99	50.73	54.00	-3.27	peak
2	17265.000	42.88	9.03	51.91	68.30	-16.39	peak



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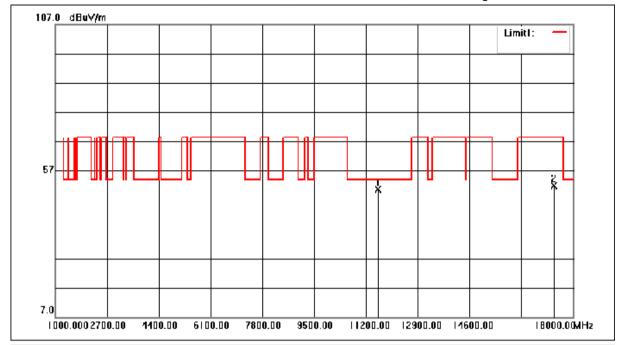
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	49.43	1.25	50.68	54.00	-3.32	peak
2	17385.000	42.98	8.96	51.94	68.30	-16.36	peak



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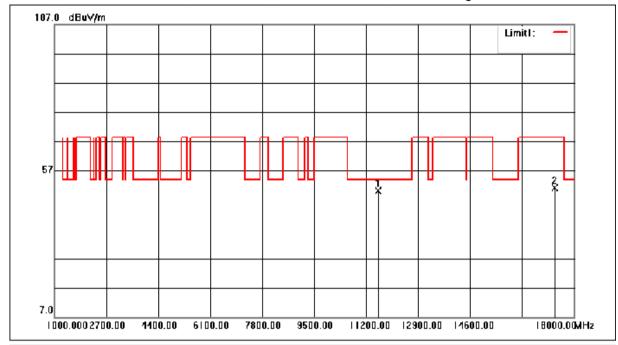
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	48.86	1.25	50.11	54.00	-3.89	peak
2	17385.000	42.20	8.96	51.16	68.30	-17.14	peak



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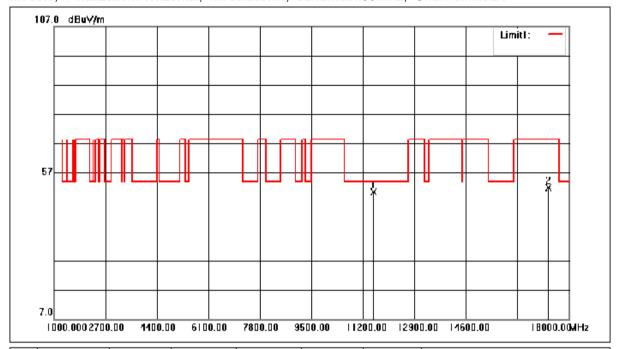
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	49.15	1.12	50.27	54.00	-3.73	peak
2	17325.000	42.97	8.99	51.96	68.30	-16.34	peak



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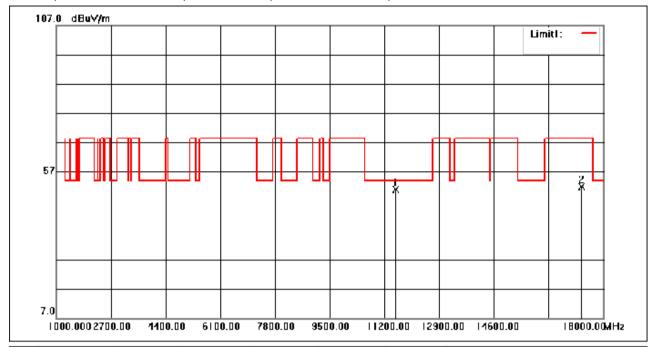
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	49.73	1.12	50.85	54.00	-3.15	peak
2	17325.000	42.79	8.99	51.78	68.30	-16.52	peak



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7.9 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 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

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.



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7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test Mode: b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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.



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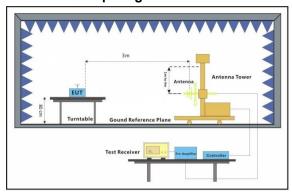
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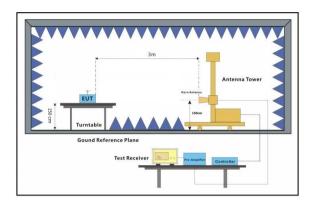


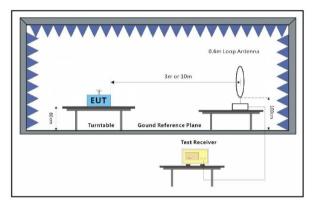


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7.9.2 Test Setup Diagram









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7.9.3 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 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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.

Remark 3: This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for a modulation and MIMO antenna operation for n/ac modulation produced the worst emissions. So the emissions produced from other operation are not recorded in report.



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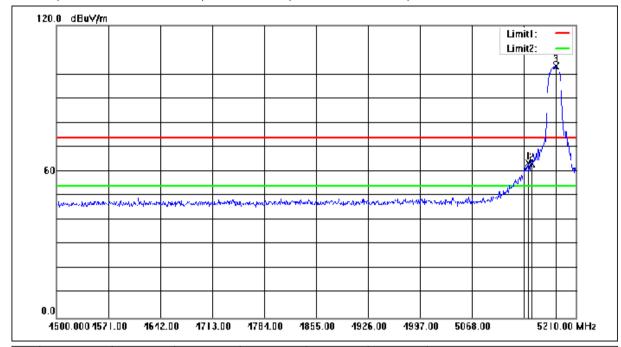
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.680	71.29	-7.85	63.44	74.00	-10.56	peak
2	5150.000	71.04	-7.84	63.20	74.00	-10.80	peak
3	5183.020	111.15	-7.76	103.39	74.00	29.39	peak



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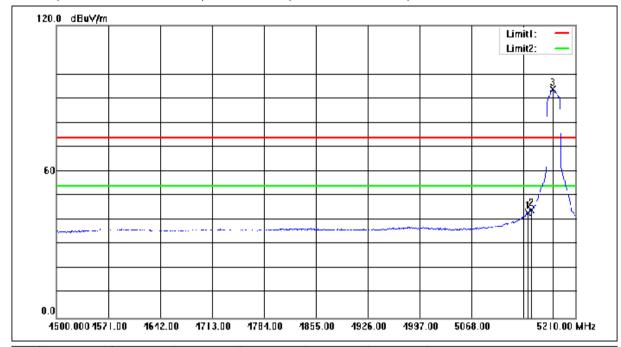
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.680	50.91	-7.85	43.06	54.00	-10.94	AVG
2	5150.000	52.16	-7.84	44.32	54.00	-9.68	AVG
3	5179.470	101.65	-7.77	93.88	54.00	39.88	AVG



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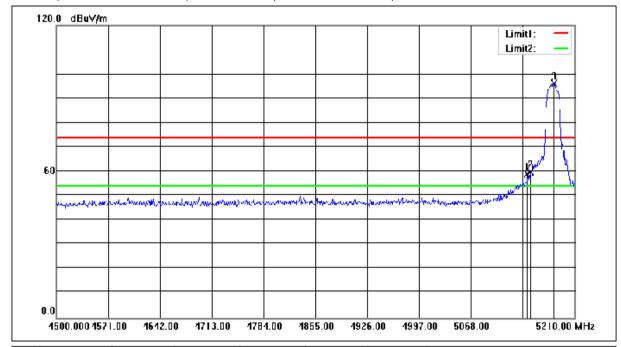
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.390	66.66	-7.85	58.81	74.00	-15.19	peak
2	5150.000	67.54	-7.84	59.70	74.00	-14.30	peak
3	5182.310	104.00	-7.77	96.23	74.00	22.23	peak



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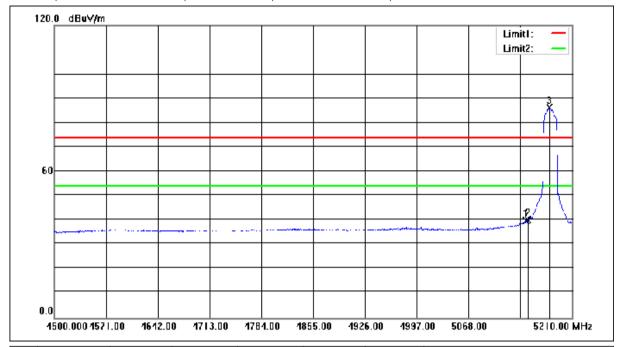
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.810	47.61	-7.85	39.76	54.00	-14.24	AVG
2	5150.000	47.99	-7.84	40.15	54.00	-13.85	AVG
3	5179.470	94.01	-7.77	86.24	54.00	32.24	AVG



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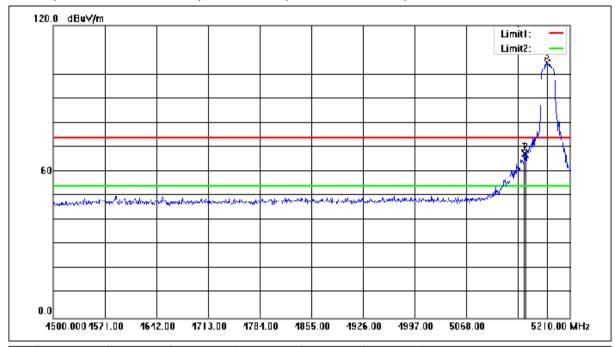
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5147.520	75.09	-7.85	67.24	74.00	-6.76	peak
2	5150.000	74.75	-7.84	66.91	74.00	-7.09	peak
3	5179.470	112.25	-7.77	104.48	74.00	30.48	peak



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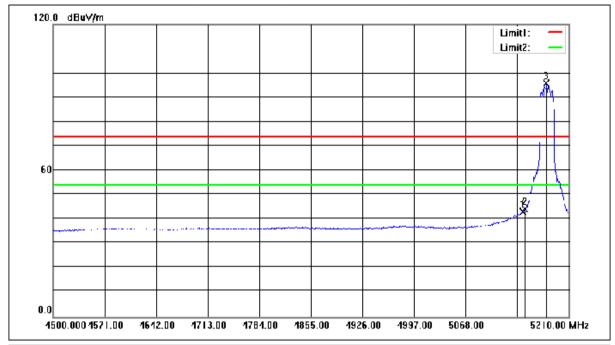
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.810	50.77	-7.85	42.92	54.00	-11.08	AVG
2	5150.000	51.95	-7.84	44.11	54.00	-9.89	AVG
3	5179.470	103.54	-7.77	95.77	54.00	41.77	AVG



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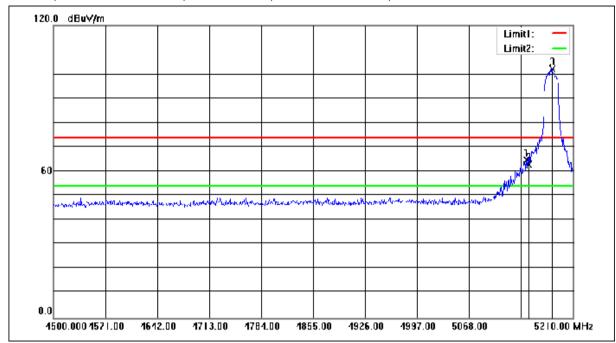
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.810	72.57	-7.85	64.72	74.00	-9.28	peak
2	5150.000	70.80	-7.84	62.96	74.00	-11.04	peak
3	5181.600	109.84	-7.77	102.07	74.00	28.07	peak



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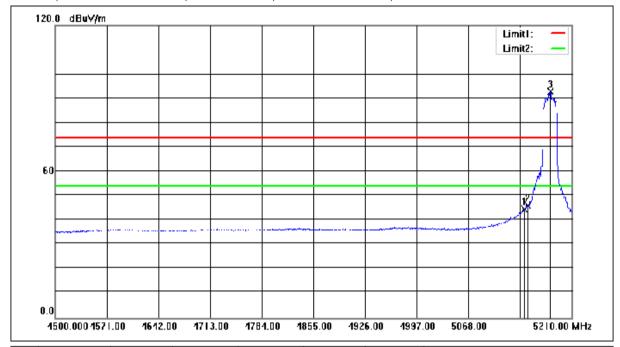
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.390	52.26	-7.85	44.41	54.00	-9.59	AVG
2	5150.000	53.99	-7.84	46.15	54.00	-7.85	AVG
3	5180.890	100.65	-7.77	92.88	54.00	38.88	AVG



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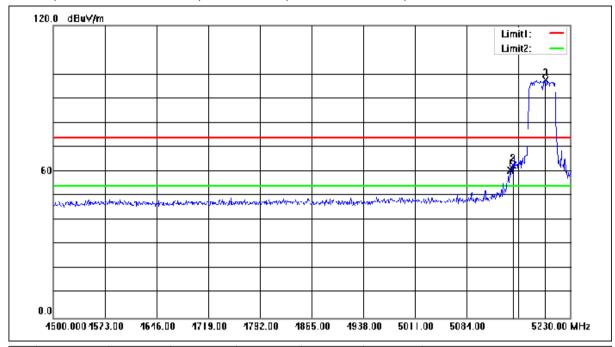
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.320	68.32	-7.85	60.47	74.00	-13.53	peak
2	5150.000	70.40	-7.84	62.56	74.00	-11.44	peak
3	5195.690	105.47	-7.74	97.73	74.00	23.73	peak



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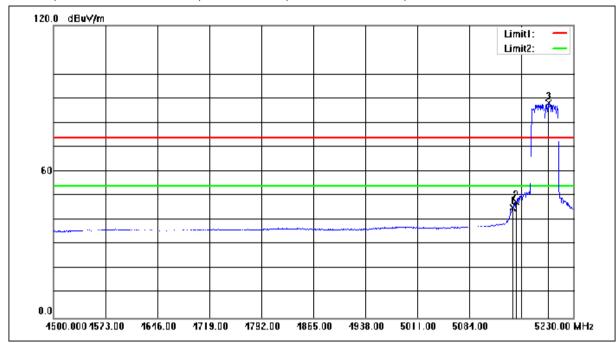
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.590	53.13	-7.85	45.28	54.00	-8.72	AVG
2	5150.000	55.36	-7.84	47.52	54.00	-6.48	AVG
3	5194.960	95.71	-7.74	87.97	54.00	33.97	AVG



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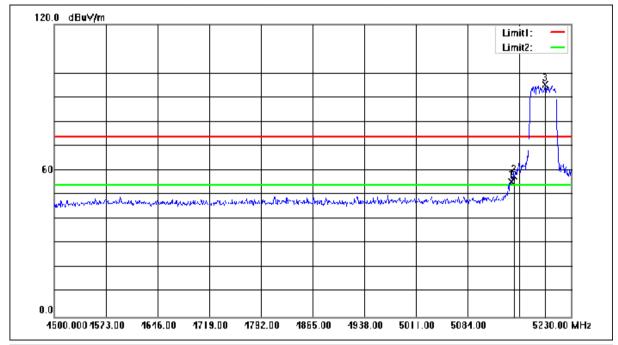
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.050	63.14	-7.85	55.29	74.00	-18.71	peak
2	5150.000	65.54	-7.84	57.70	74.00	-16.30	peak
3	5193.500	103.06	-7.75	95.31	74.00	21.31	peak



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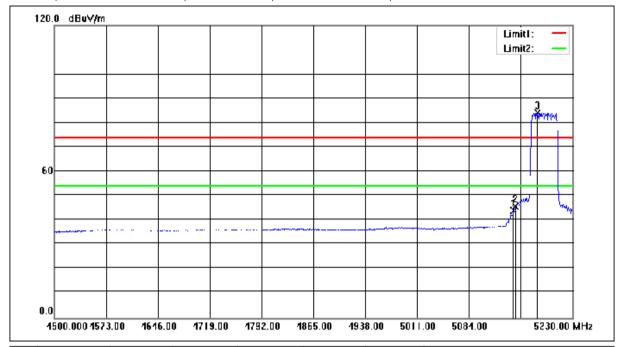
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.780	51.74	-7.85	43.89	54.00	-10.11	AVG
2	5150.000	53.62	-7.84	45.78	54.00	-8.22	AVG
3	5181.090	92.06	-7.77	84.29	54.00	30.29	AVG



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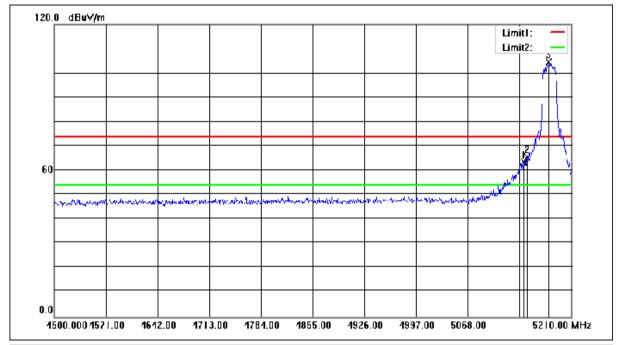
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.680	71.18	-7.85	63.33	74.00	-10.67	peak
2	5150.000	73.45	-7.84	65.61	74.00	-8.39	peak
3	5179.470	112.19	-7.77	104.42	74.00	30.42	peak



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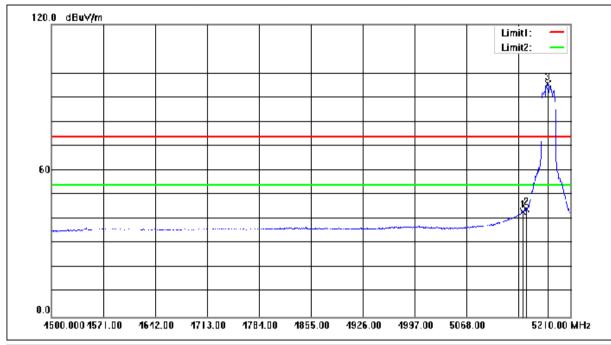
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.680	50.77	-7.85	42.92	54.00	-11.08	AVG
2	5150.000	52.18	-7.84	44.34	54.00	-9.66	AVG
3	5179.470	103.41	-7.77	95.64	54.00	41.64	AVG



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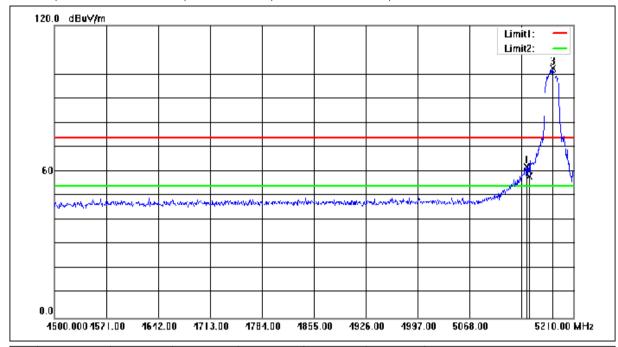
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.100	69.66	-7.85	61.81	74.00	-12.19	peak
2	5150.000	66.01	-7.84	58.17	74.00	-15.83	peak
3	5181.600	110.30	-7.77	102.53	74.00	28.53	peak



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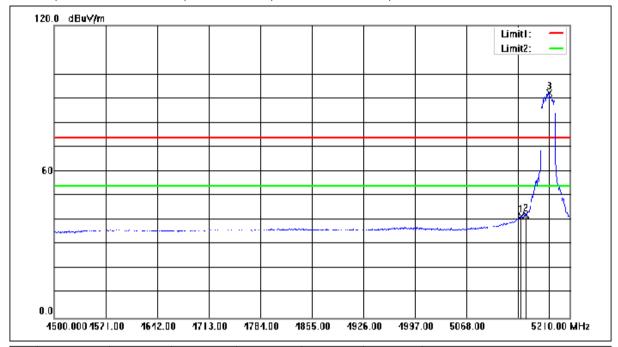
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5143.260	49.31	-7.86	41.45	54.00	-12.55	AVG
2	5150.000	49.94	-7.84	42.10	54.00	-11.90	AVG
3	5181.600	99.92	-7.77	92.15	54.00	38.15	AVG



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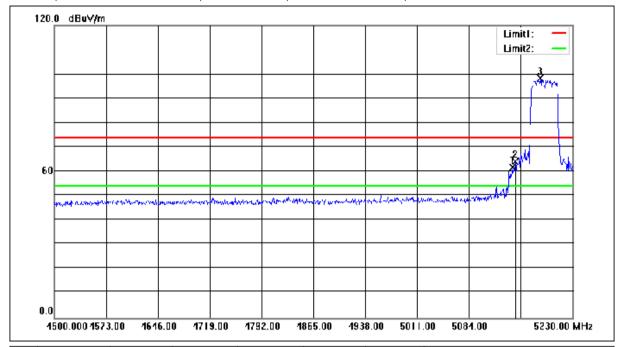
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.320	69.59	-7.85	61.74	74.00	-12.26	peak
2	5150.000	71.88	-7.84	64.04	74.00	-9.96	peak
3	5184.740	106.10	-7.76	98.34	74.00	24.34	peak



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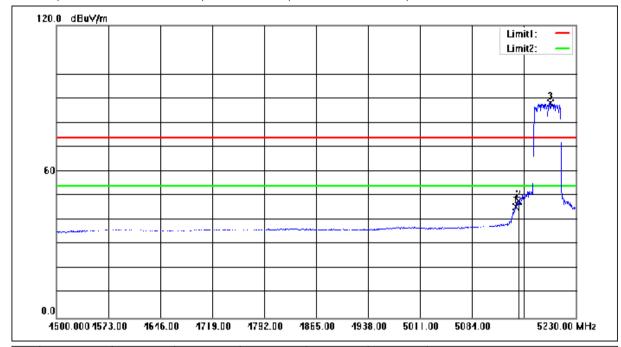
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.320	53.27	-7.85	45.42	54.00	-8.58	AVG
2	5150.000	55.69	-7.84	47.85	54.00	-6.15	AVG
3	5194.230	95.77	-7.75	88.02	54.00	34.02	AVG



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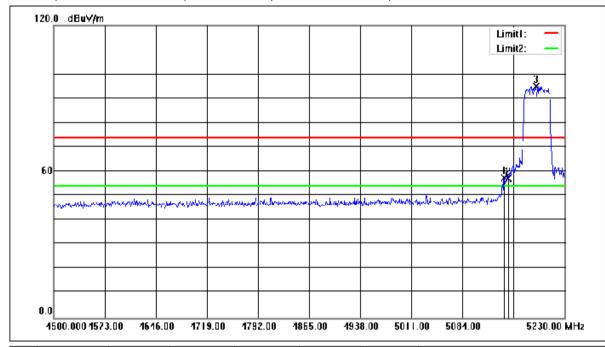
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5143.860	65.22	-7.86	57.36	74.00	-16.64	peak
2	5150.000	64.94	-7.84	57.10	74.00	-16.90	peak
3	5189.120	102.60	-7.76	94.84	74.00	20.84	peak



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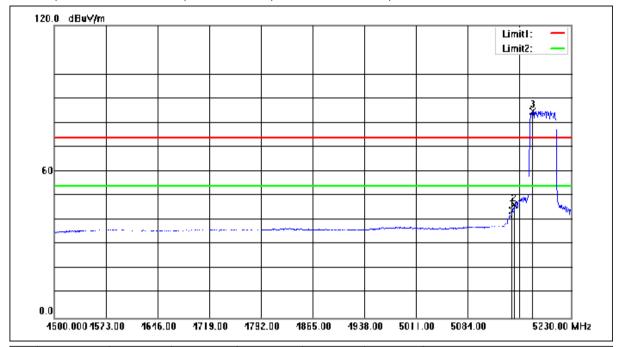
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.780	51.66	-7.85	43.81	54.00	-10.19	AVG
2	5150.000	54.04	-7.84	46.20	54.00	-7.80	AVG
3	5175.980	92.62	-7.78	84.84	54.00	30.84	AVG



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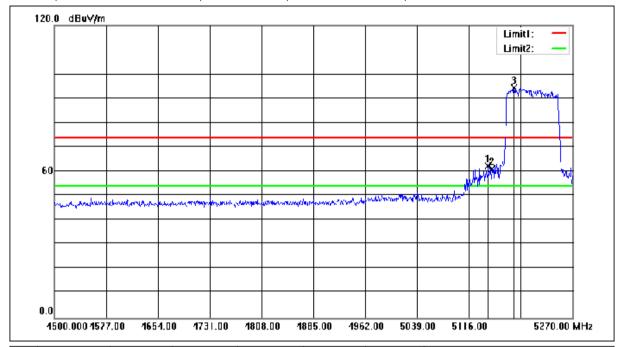
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.490	70.01	-7.85	62.16	74.00	-11.84	peak
2	5150.000	68.97	-7.84	61.13	74.00	-12.87	peak
3	5182.990	102.10	-7.76	94.34	74.00	20.34	peak



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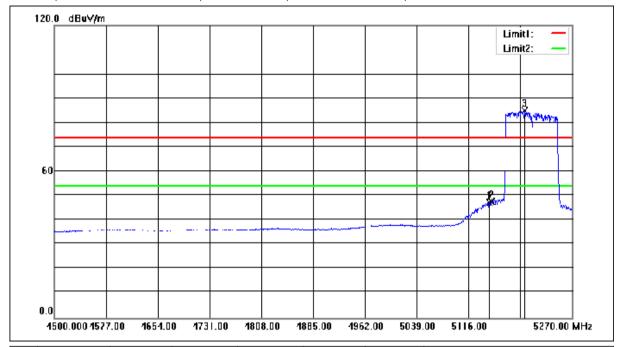
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5147.570	55.15	-7.85	47.30	54.00	-6.70	AVG
2	5150.000	55.47	-7.84	47.63	54.00	-6.37	AVG
3	5199.930	92.78	-7.73	85.05	54.00	31.05	AVG



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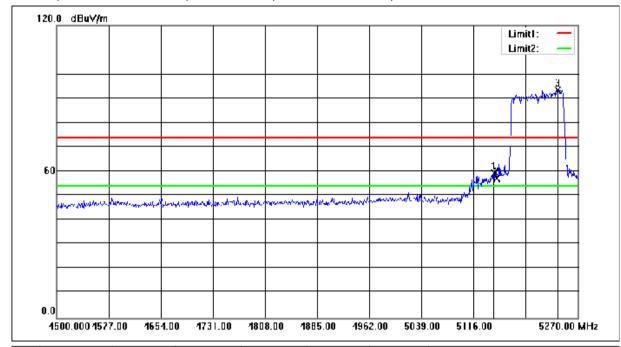
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.030	67.08	-7.85	59.23	74.00	-14.77	peak
2	5150.000	64.94	-7.84	57.10	74.00	-16.90	peak
3	5240.740	101.14	-7.57	93.57	74.00	19.57	peak



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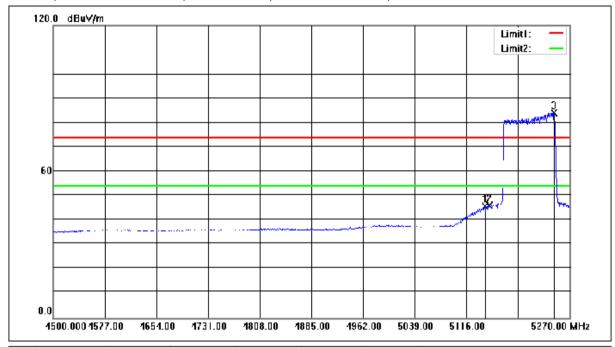
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5143.720	53.58	-7.86	45.72	54.00	-8.28	AVG
2	5150.000	54.00	-7.84	46.16	54.00	-7.84	AVG
3	5246.900	91.67	-7.54	84.13	54.00	30.13	AVG



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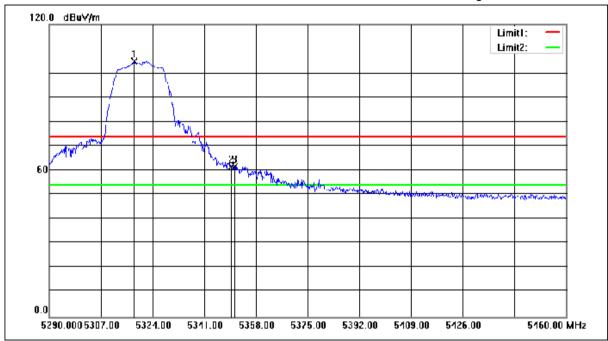
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5318.050	112.26	-7.27	104.99	74.00	30.99	peak
2	5350.000	68.74	-7.15	61.59	74.00	-12.41	peak
3	5351.030	68.88	-7.14	61.74	74.00	-12.26	peak



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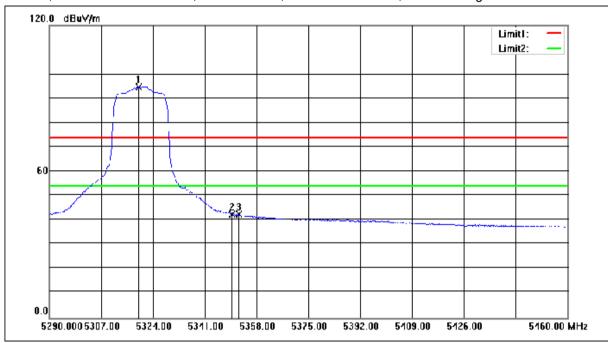
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5319.240	102.03	-7.27	94.76	54.00	40.76	AVG
2	5350.000	49.62	-7.15	42.47	54.00	-11.53	AVG
3	5352.220	49.62	-7.14	42.48	54.00	-11.52	AVG



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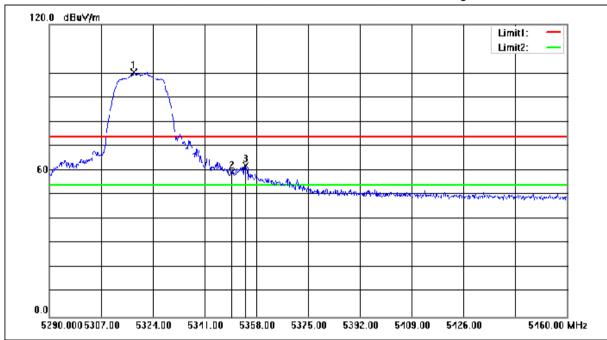
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5317.710	107.55	-7.27	100.28	74.00	26.28	peak
2	5350.000	66.53	-7.15	59.38	74.00	-14.62	peak
3	5354.430	69.00	-7.12	61.88	74.00	-12.12	peak



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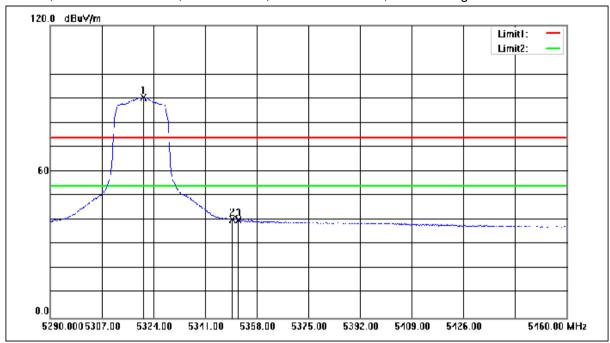
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5320.600	97.71	-7.26	90.45	54.00	36.45	AVG
2	5350.000	47.65	-7.15	40.50	54.00	-13.50	AVG
3	5352.050	47.33	-7.14	40.19	54.00	-13.81	AVG



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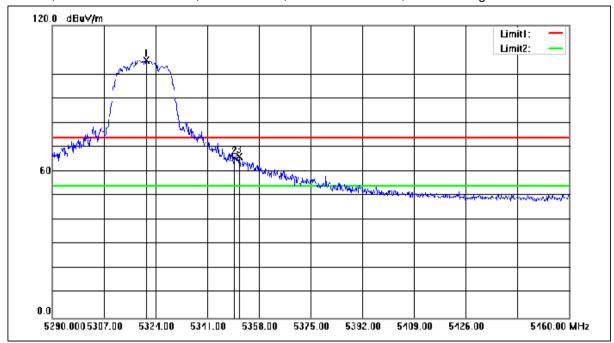
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5320.940	113.09	-7.26	105.83	74.00	31.83	peak
2	5350.000	72.61	-7.15	65.46	74.00	-8.54	peak
3	5351.540	73.37	-7.14	66.23	74.00	-7.77	peak



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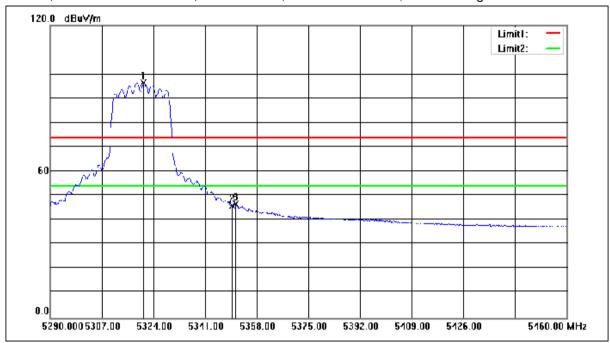
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5320.770	103.67	-7.26	96.41	54.00	42.41	AVG
2	5350.000	53.32	-7.15	46.17	54.00	-7.83	AVG
3	5351.030	53.88	-7.14	46.74	54.00	-7.26	AVG



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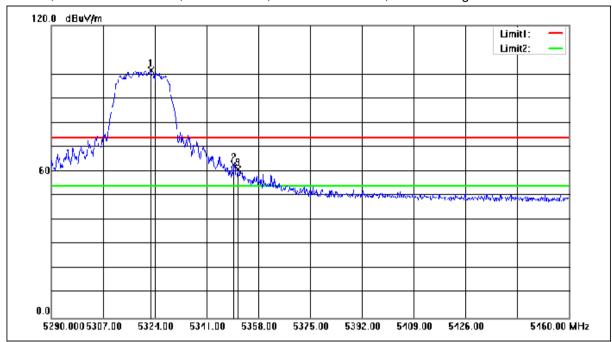
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5322.640	108.93	-7.25	101.68	74.00	27.68	peak
2	5350.000	70.14	-7.15	62.99	74.00	-11.01	peak
3	5351.200	67.78	-7.14	60.64	74.00	-13.36	peak



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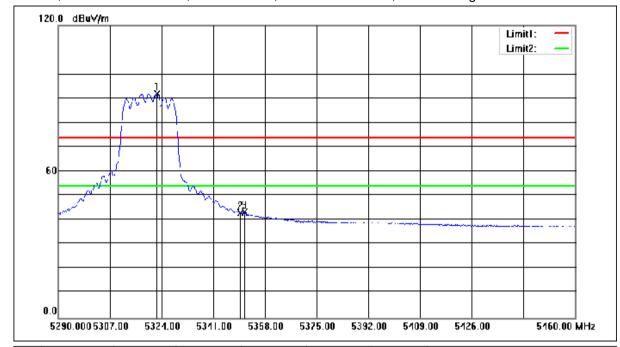
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5322.470	99.15	-7.25	91.90	54.00	37.90	AVG
2	5350.000	50.28	-7.15	43.13	54.00	-10.87	AVG
3	5351.200	50.44	-7.14	43.30	54.00	-10.70	AVG



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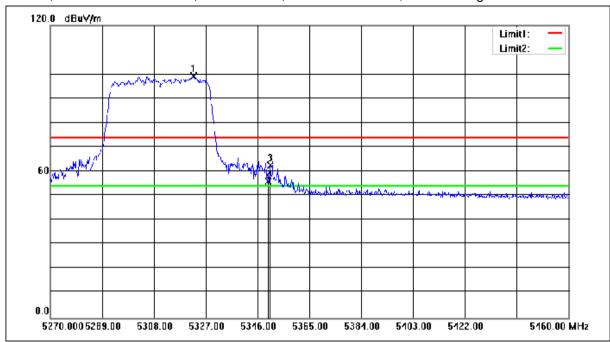
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5322.440	106.53	-7.25	99.28	74.00	25.28	peak
2	5350.000	63.03	-7.15	55.88	74.00	-18.12	peak
3	5350.560	69.55	-7.14	62.41	74.00	-11.59	peak



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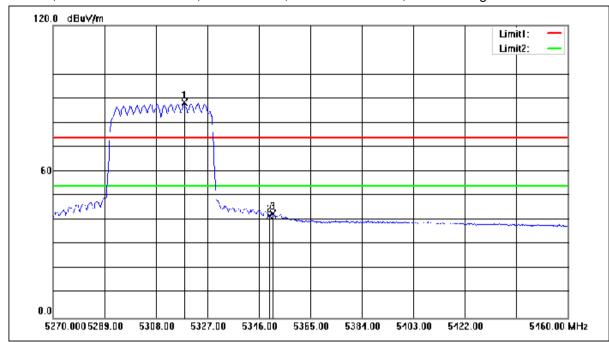
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5318.450	95.48	-7.27	88.21	54.00	34.21	AVG
2	5350.000	49.01	-7.15	41.86	54.00	-12.14	AVG
3	5351.130	49.87	-7.14	42.73	54.00	-11.27	AVG



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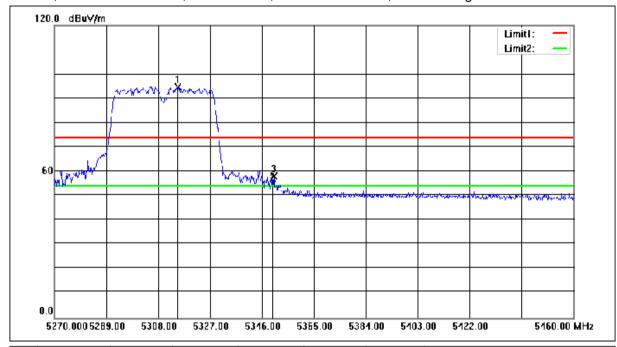
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5315.220	102.05	-7.28	94.77	74.00	20.77	peak
2	5350.000	61.99	-7.15	54.84	74.00	-19.16	peak
3	5350.370	65.31	-7.14	58.17	74.00	-15.83	peak



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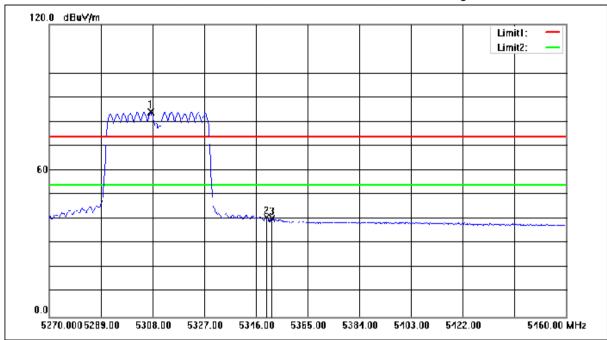
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5307.240	91.50	-7.31	84.19	54.00	30.19	AVG
2	5350.000	47.76	-7.15	40.61	54.00	-13.39	AVG
3	5351.890	47.34	-7.14	40.20	54.00	-13.80	AVG



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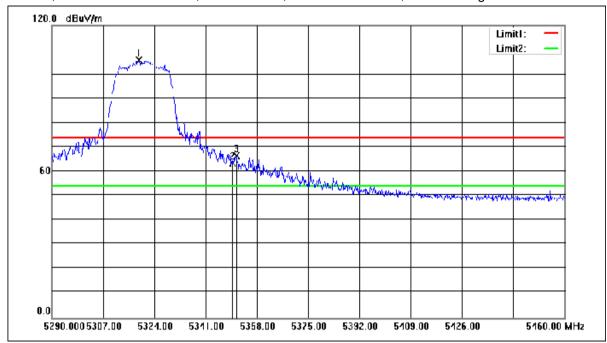
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5318.900	113.10	-7.27	105.83	74.00	31.83	peak
2	5350.000	70.70	-7.15	63.55	74.00	-10.45	peak
3	5351.200	73.72	-7.14	66.58	74.00	-7.42	peak



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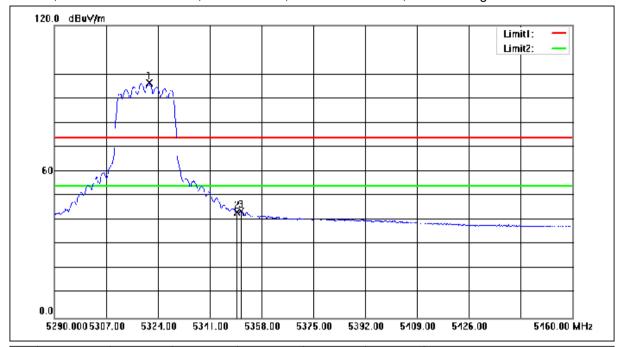
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5321.110	103.70	-7.26	96.44	54.00	42.44	AVG
2	5350.000	50.54	-7.15	43.39	54.00	-10.61	AVG
3	5351.200	50.92	-7.14	43.78	54.00	-10.22	AVG



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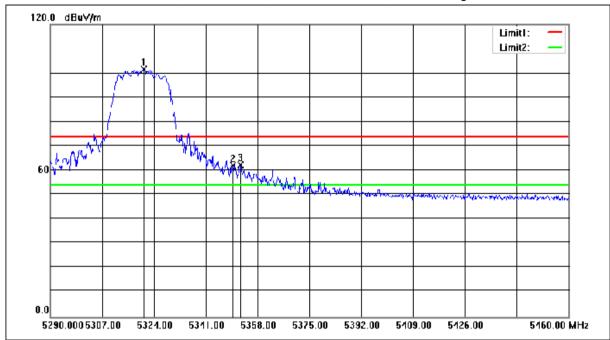
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5320.600	108.84	-7.26	101.58	74.00	27.58	peak
2	5350.000	69.23	-7.15	62.08	74.00	-11.92	peak
3	5352.390	69.30	-7.14	62.16	74.00	-11.84	peak



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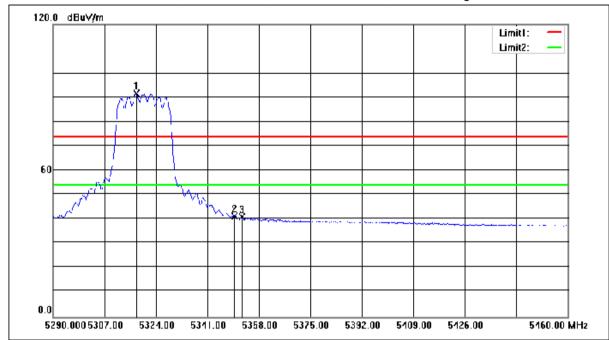
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
L		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	5317.540	98.90	-7.27	91.63	54.00	37.63	AVG
ſ	2	5350.000	48.55	-7.15	41.40	54.00	-12.60	AVG
ſ	3	5352.390	48.15	-7.14	41.01	54.00	-12.99	AVG



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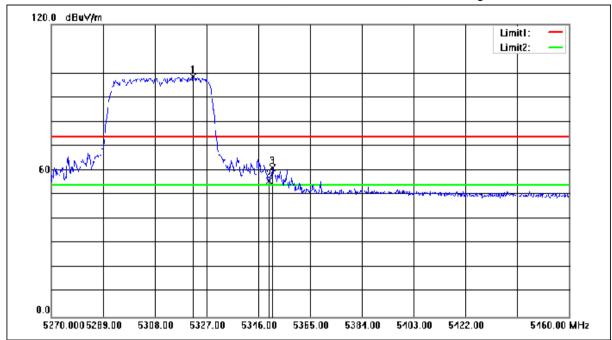
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5322.060	105.81	-7.25	98.56	74.00	24.56	peak
2	5350.000	62.81	-7.15	55.66	74.00	-18.34	peak
3	5351.130	68.30	-7.14	61.16	74.00	-12.84	peak



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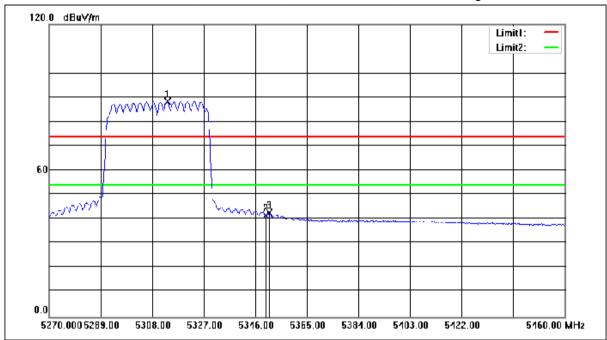
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5313.700	95.78	-7.29	88.49	54.00	34.49	AVG
2	5350.000	48.56	-7.15	41.41	54.00	-12.59	AVG
3	5351.130	49.79	-7.14	42.65	54.00	-11.35	AVG



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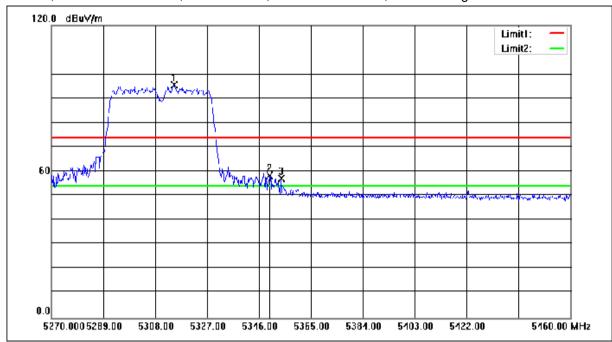
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5314.840	102.90	-7.29	95.61	74.00	21.61	peak
2	5350.000	65.48	-7.15	58.33	74.00	-15.67	peak
3	5354.170	64.30	-7.13	57.17	74.00	-16.83	peak



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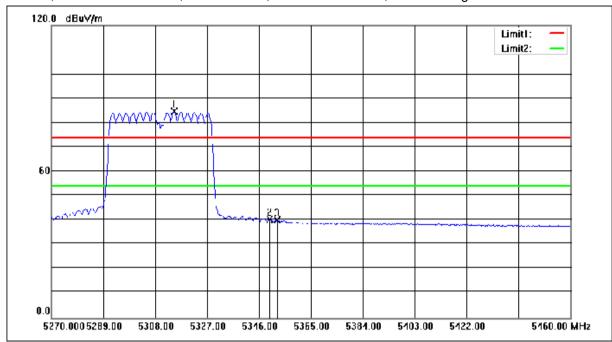
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5314.840	91.96	-7.29	84.67	54.00	30.67	AVG
2	5350.000	47.47	-7.15	40.32	54.00	-13.68	AVG
3	5352.650	47.29	-7.14	40.15	54.00	-13.85	AVG



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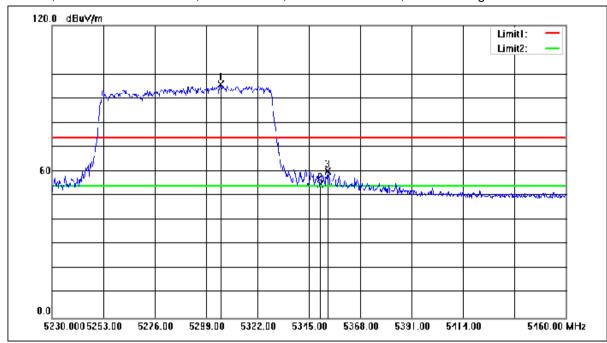
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5305.440	103.07	-7.32	95.75	74.00	21.75	peak
2	5350.000	61.88	-7.15	54.73	74.00	-19.27	peak
3	5353.280	67.36	-7.13	60.23	74.00	-13.77	peak



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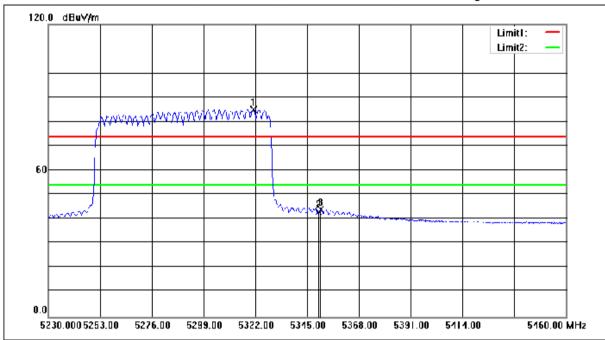
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5321.080	92.45	-7.26	85.19	54.00	31.19	AVG
2	5350.000	50.32	-7.15	43.17	54.00	-10.83	AVG
3	5350.980	51.24	-7.14	44.10	54.00	-9.90	AVG



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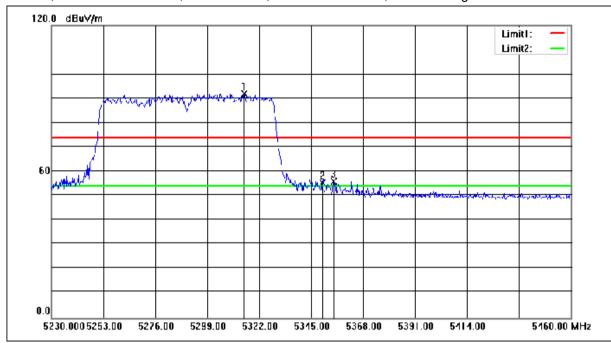
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency	Reading	Correction		Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5315.330	99.25	-7.28	91.97	74.00	17.97	peak
2	5350.000	62.60	-7.15	55.45	74.00	-18.55	peak
3	5354.890	63.03	-7.12	55.91	74.00	-18.09	peak



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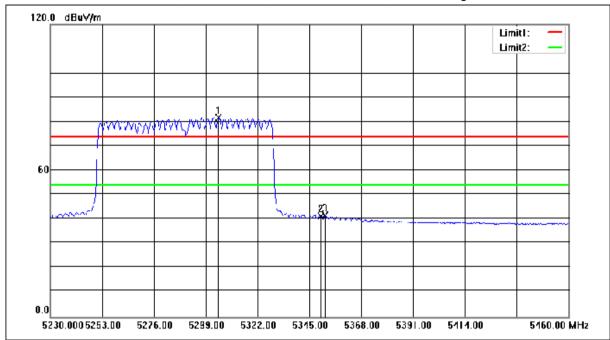
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5304.750	89.14	-7.32	81.82	54.00	27.82	AVG
2	5350.000	48.47	-7.15	41.32	54.00	-12.68	AVG
3	5351.900	48.64	-7.14	41.50	54.00	-12.50	AVG



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



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.360	72.04	-6.96	65.08	74.00	-8.92	peak
2	5460.000	72.25	-6.95	65.30	74.00	-8.70	peak
3	5499.940	112.09	-6.96	105.13	74.00	31.13	peak



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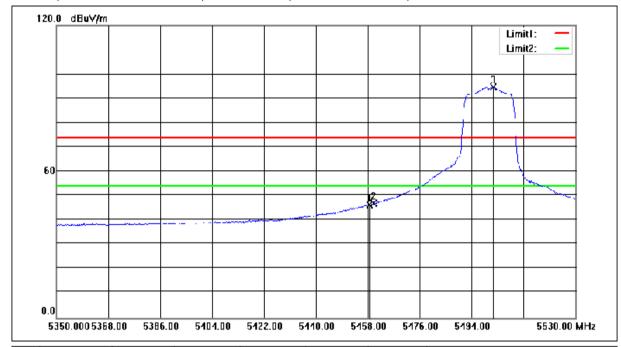
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Mode:d; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



N	lo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1		5458.540	53.42	-6.96	46.46	54.00	-7.54	AVG
2		5460.000	53.78	-6.95	46.83	54.00	-7.17	AVG
3		5501.560	101.50	-6.96	94.54	54.00	40.54	AVG



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



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5459.080	69.27	-6.96	62.31	74.00	-11.69	peak
2	5460.000	69.87	-6.95	62.92	74.00	-11.08	peak
3	5503.900	111.52	-6.96	104.56	74.00	30.56	peak



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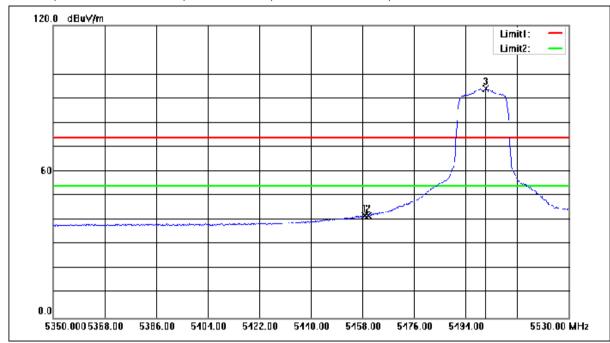
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Mode:d; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.720	48.84	-6.96	41.88	54.00	-12.12	AVG
2	5460.000	48.72	-6.95	41.77	54.00	-12.23	AVG
3	5501.020	101.04	-6.96	94.08	54.00	40.08	AVG



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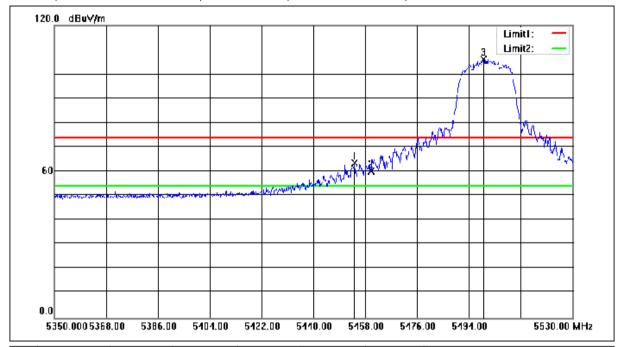
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5454.220	70.55	-6.96	63.59	74.00	-10.41	peak
2	5460.000	67.00	-6.95	60.05	74.00	-13.95	peak
3	5499.040	113.12	-6.96	106.16	74.00	32.16	peak



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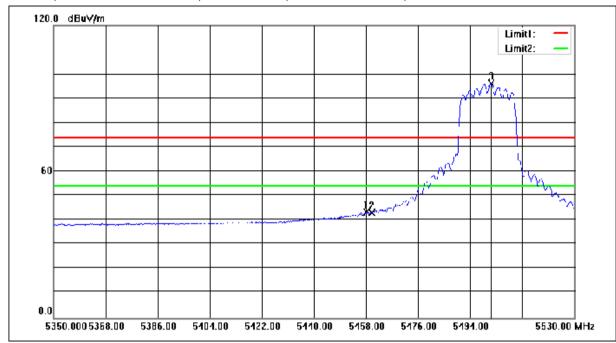
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.180	50.22	-6.96	43.26	54.00	-10.74	AVG
2	5460.000	50.00	-6.95	43.05	54.00	-10.95	AVG
3	5501.200	102.97	-6.96	96.01	54.00	42.01	AVG



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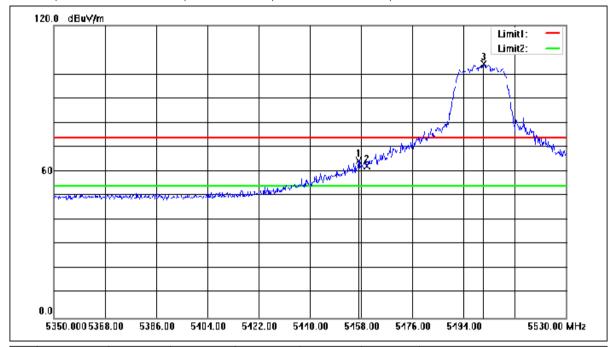
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5457.100	71.29	-6.96	64.33	74.00	-9.67	peak
2	5460.000	69.27	-6.95	62.32	74.00	-11.68	peak
3	5501.020	111.10	-6.96	104.14	74.00	30.14	peak



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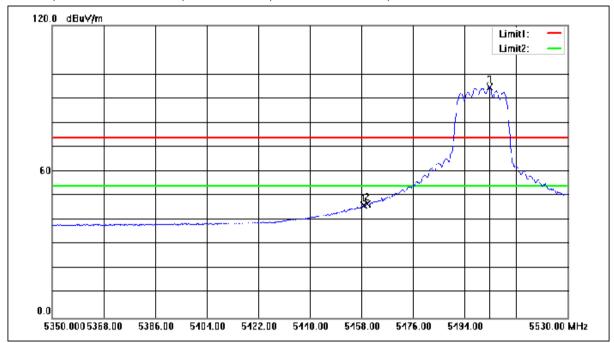
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.900	52.89	-6.96	45.93	54.00	-8.07	AVG
2	5460.000	53.70	-6.95	46.75	54.00	-7.25	AVG
3	5502.640	101.47	-6.96	94.51	54.00	40.51	AVG



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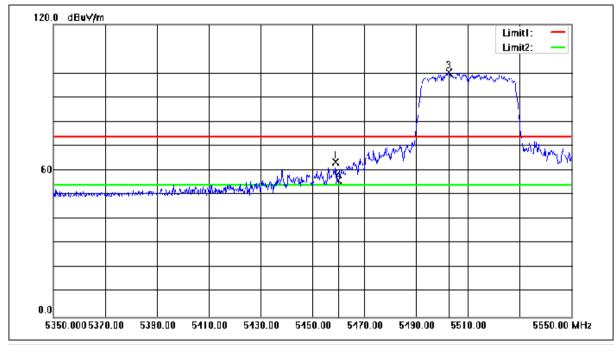
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Report No.: SHEM210800989702 Page: 214 of 255

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



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.800	70.33	-6.96	63.37	74.00	-10.63	peak
2	5460.000	62.98	-6.95	56.03	74.00	-17.97	peak
3	5502.600	107.31	-6.96	100.35	74.00	26.35	peak



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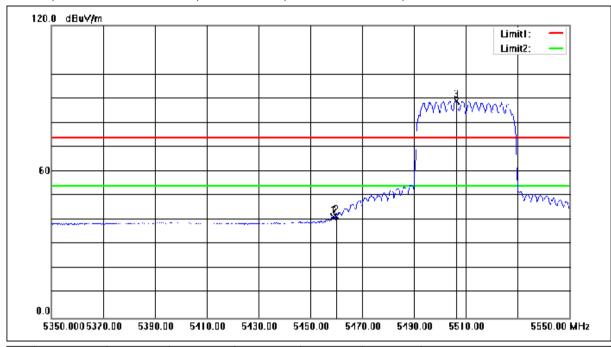
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Mode:d; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.800	48.30	-6.96	41.34	54.00	-12.66	AVG
2	5460.000	48.41	-6.95	41.46	54.00	-12.54	AVG
3	5506.400	95.85	-6.96	88.89	54.00	34.89	AVG



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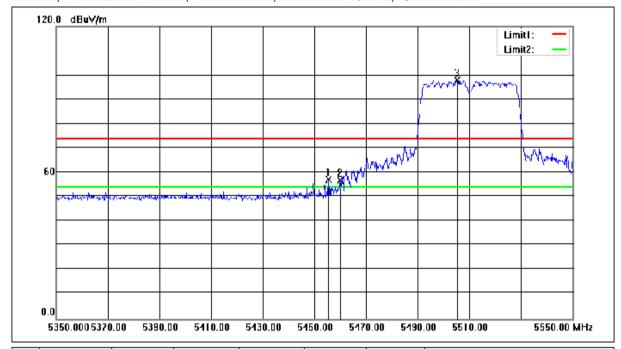
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5455.400	64.04	-6.96	57.08	74.00	-16.92	peak
2	5460.000	63.75	-6.95	56.80	74.00	-17.20	peak
3	5505.400	104.91	-6.96	97.95	74.00	23.95	peak



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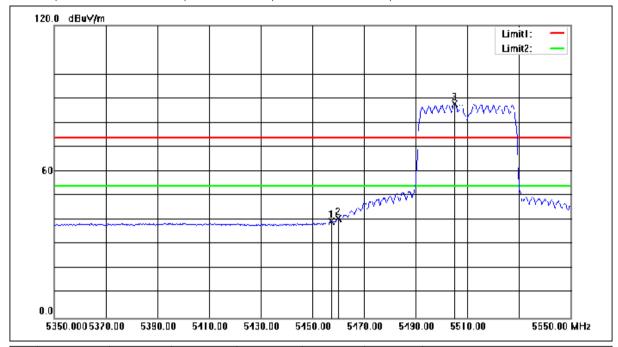
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Mode:d; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5457.400	46.52	-6.96	39.56	54.00	-14.44	AVG
2	5460.000	47.71	-6.95	40.76	54.00	-13.24	AVG
3	5505.000	94.59	-6.96	87.63	54.00	33.63	AVG



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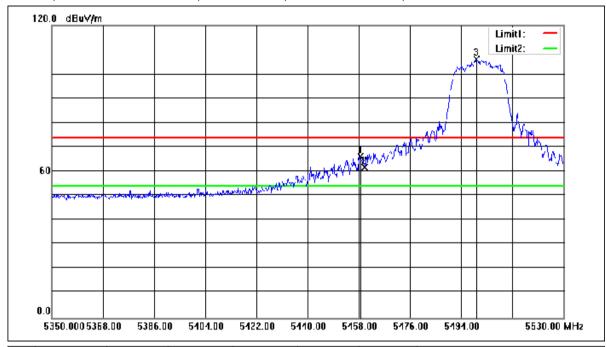
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.540	73.00	-6.96	66.04	74.00	-7.96	peak
2	5460.000	68.68	-6.95	61.73	74.00	-12.27	peak
3	5499.400	112.89	-6.96	105.93	74.00	31.93	peak



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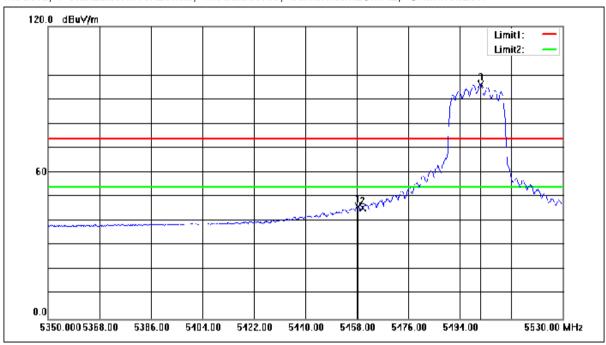
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.360	52.95	-6.96	45.99	54.00	-8.01	AVG
2	5460.000	52.42	-6.95	45.47	54.00	-8.53	AVG
3	5501.200	103.14	-6.96	96.18	54.00	42.18	AVG



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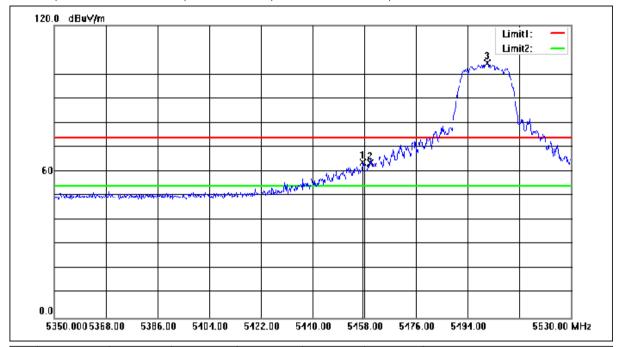
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5457.280	70.80	-6.96	63.84	74.00	-10.16	peak
2	5460.000	70.44	-6.95	63.49	74.00	-10.51	peak
3	5500.840	111.40	-6.96	104.44	74.00	30.44	peak



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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5457.640	51.02	-6.96	44.06	54.00	-9.94	AVG
2	5460.000	51.90	-6.95	44.95	54.00	-9.05	AVG
3	5502.460	101.37	-6.96	94.41	54.00	40.41	AVG



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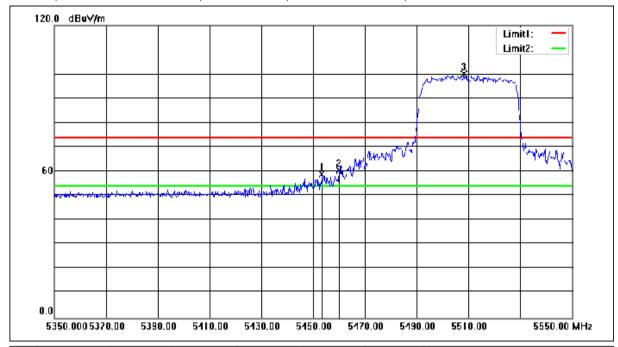
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5453.400	65.91	-6.96	58.95	74.00	-15.05	peak
2	5460.000	67.41	-6.95	60.46	74.00	-13.54	peak
3	5508.200	106.87	-6.96	99.91	74.00	25.91	peak



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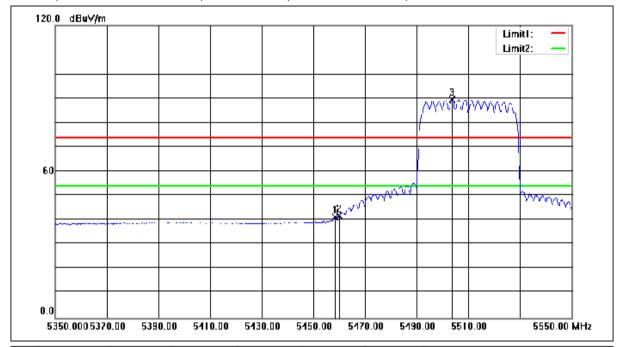
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.400	48.19	-6.96	41.23	54.00	-12.77	AVG
2	5460.000	48.77	-6.95	41.82	54.00	-12.18	AVG
3	5503.600	96.48	-6.96	89.52	54.00	35.52	AVG



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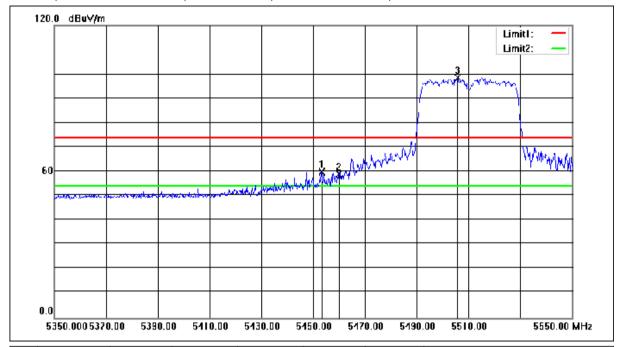
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5453.200	66.84	-6.96	59.88	74.00	-14.12	peak
2	5460.000	65.85	-6.95	58.90	74.00	-15.10	peak
3	5505.800	105.49	-6.96	98.53	74.00	24.53	peak



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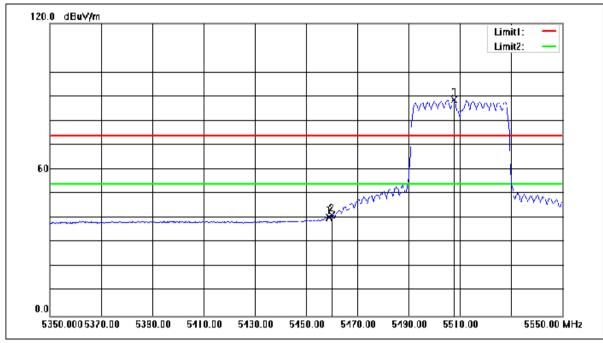
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Report No.: SHEM210800989702 Page: 225 of 255

Mode:d; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5459.000	47.36	-6.96	40.40	54.00	-13.60	AVG
2	5460.000	48.20	-6.95	41.25	54.00	-12.75	AVG
3	5507.600	95.51	-6.96	88.55	54.00	34.55	AVG



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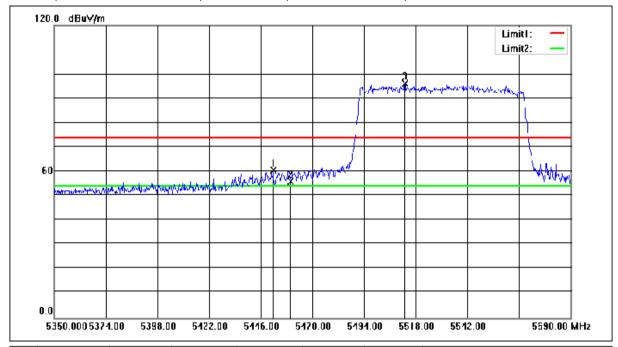
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5451.760	67.36	-6.96	60.40	74.00	-13.60	peak
2	5460.000	62.95	-6.95	56.00	74.00	-18.00	peak
3	5512.960	102.97	-6.96	96.01	74.00	22.01	peak



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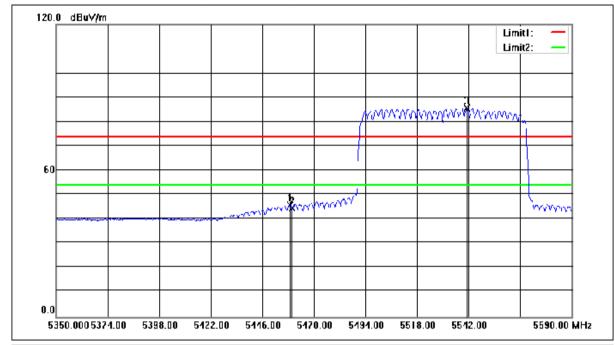
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Mode:d; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.960	52.77	-6.96	45.81	54.00	-8.19	AVG
2	5460.000	51.57	-6.95	44.62	54.00	-9.38	AVG
3	5541.280	92.66	-6.96	85.70	54.00	31.70	AVG



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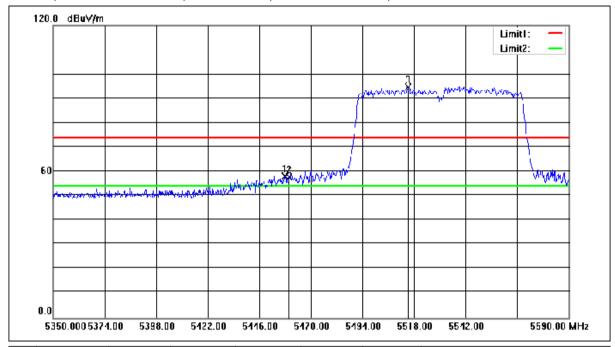
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5458.000	65.13	-6.96	58.17	74.00	-15.83	peak
2	5460.000	64.78	-6.95	57.83	74.00	-16.17	peak
3	5515.360	101.70	-6.96	94.74	74.00	20.74	peak



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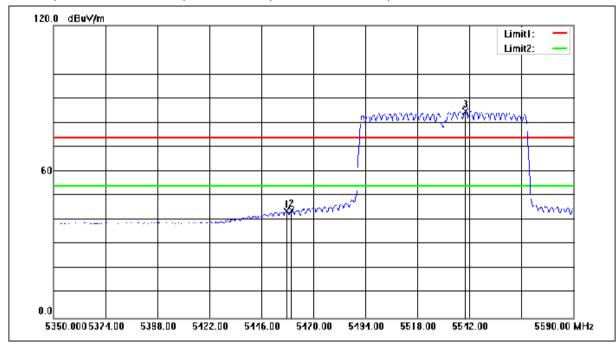
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Mode:d; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5457.760	50.62	-6.96	43.66	54.00	-10.34	AVG
2	5460.000	50.97	-6.95	44.02	54.00	-9.98	AVG
3	5540.320	91.77	-6.96	84.81	54.00	30.81	AVG



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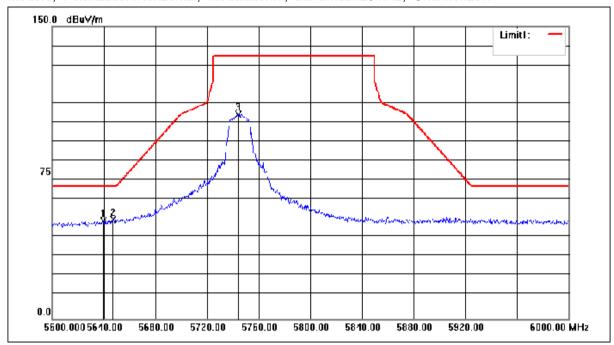
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
	(1711 12)	(ubuv)	lactor(ub/iii)	(uDu v/III)	(uDu v/III)	(ub)	
1	5639.600	57.02	-6.87	50.15	68.20	-18.05	peak
2	5647.200	57.71	-6.85	50.86	68.20	-17.34	peak
3	5744.400	111.53	-6.60	104.93	135.00	-30.07	peak



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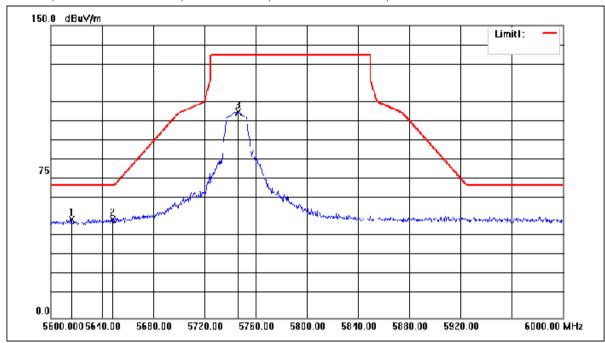
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Mode:e; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5616.000	57.29	-6.93	50.36	68.20	-17.84	peak
2	5648.400	57.29	-6.85	50.44	68.20	-17.76	peak
3	5746.400	112.29	-6.60	105.69	135.00	-29.31	peak



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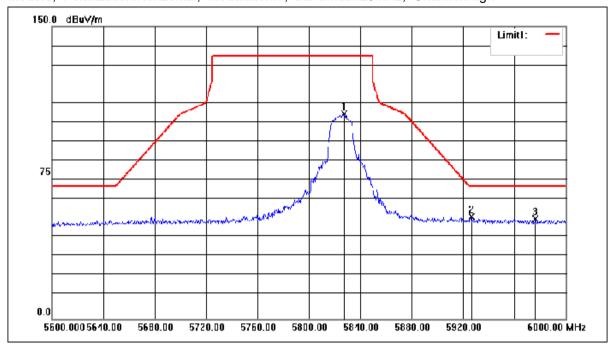
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Mode:e; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5827.200	111.47	-6.31	105.16	135.00	-29.84	peak
2	5926.400	58.10	-5.76	52.34	68.20	-15.86	peak
3	5976.400	56.61	-5.49	51.12	68.20	-17.08	peak



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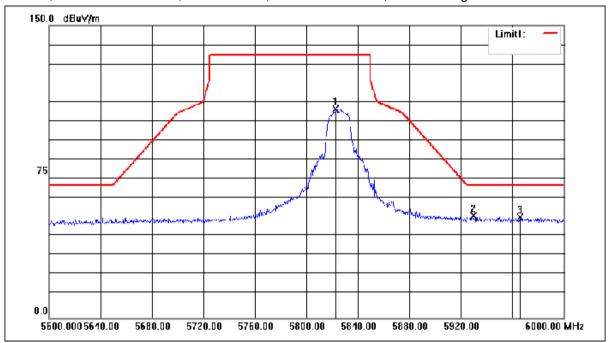
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Report No.: SHEM210800989702 Page: 233 of 255

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



No.	Frequency	Reading	Correction		Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5822.800	113.58	-6.33	107.25	135.00	-27.75	peak
2	5930.000	57.87	-5.74	52.13	68.20	-16.07	peak
3	5966.000	57.28	-5.55	51.73	68.20	-16.47	peak



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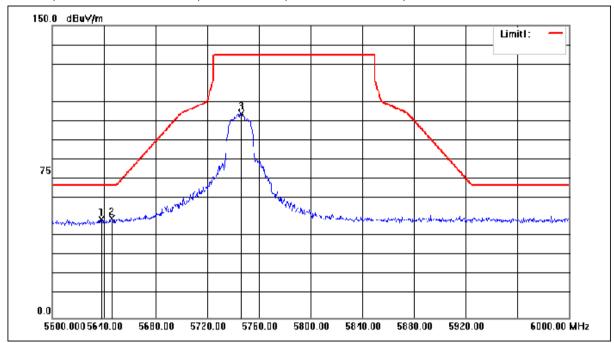
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5638.000	57.27	-6.87	50.40	68.20	-17.80	peak
2	5646.000	57.72	-6.85	50.87	68.20	-17.33	peak
3	5746.400	111.49	-6.60	104.89	135.00	-30.11	peak



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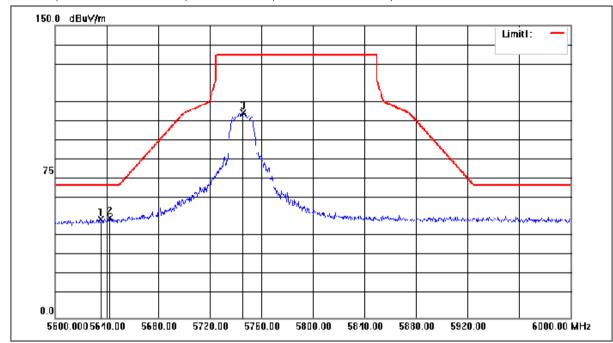
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5635.600	57.20	-6.88	50.32	68.20	-17.88	peak
2	5642.400	58.06	-6.87	51.19	68.20	-17.01	peak
3	5746.000	111.69	-6.60	105.09	135.00	-29.91	peak



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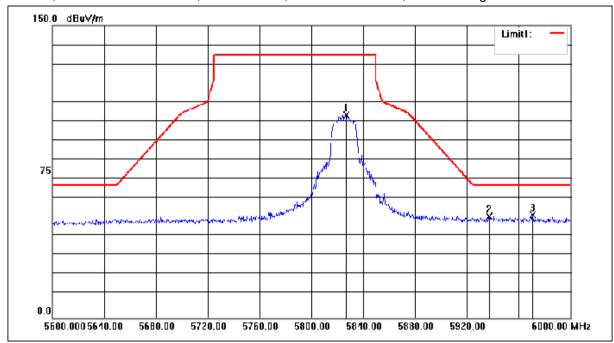
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5826.800	110.54	-6.31	104.23	135.00	-30.77	peak
2	5937.200	57.80	-5.70	52.10	68.20	-16.10	peak
3	5970.800	58.20	-5.52	52.68	68.20	-15.52	peak



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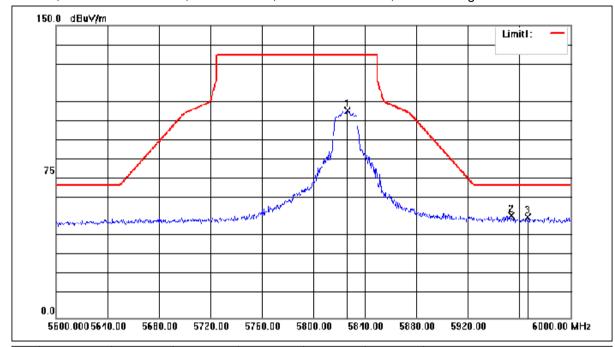
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5826.400	112.82	-6.32	106.50	135.00	-28.50	peak
2	5954.000	57.78	-5.61	52.17	68.20	-16.03	peak
3	5966.800	57.10	-5.54	51.56	68.20	-16.64	peak



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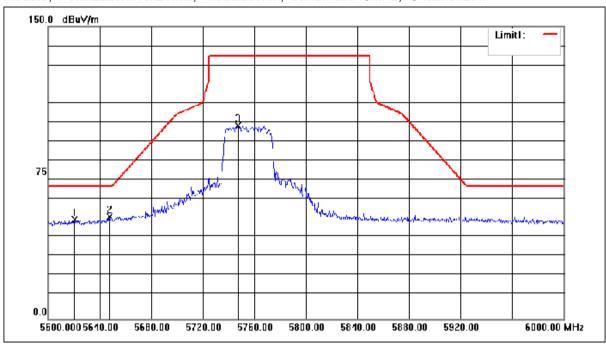
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5620.400	57.81	-6.92	50.89	68.20	-17.31	peak
2	5647.600	59.09	-6.85	52.24	68.20	-15.96	peak
3	5747.200	105.93	-6.60	99.33	135.00	-35.67	peak



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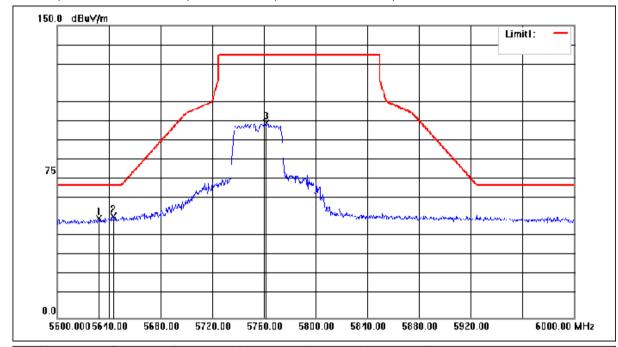
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5632.400	57.69	-6.89	50.80	68.20	-17.40	peak
2	5643.600	58.83	-6.85	51.98	68.20	-16.22	peak
3	5761.600	106.34	-6.56	99.78	135.00	-35.22	peak



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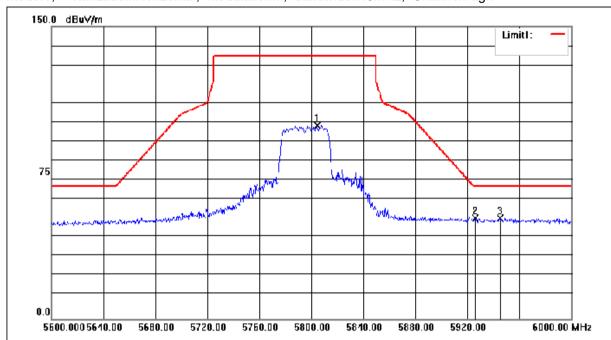
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Mode:e; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5804.400	105.53	-6.44	99.09	135.00	-35.91	peak
2	5926.000	57.32	-5.76	51.56	68.20	-16.64	peak
3	5945.200	57.33	-5.66	51.67	68.20	-16.53	peak



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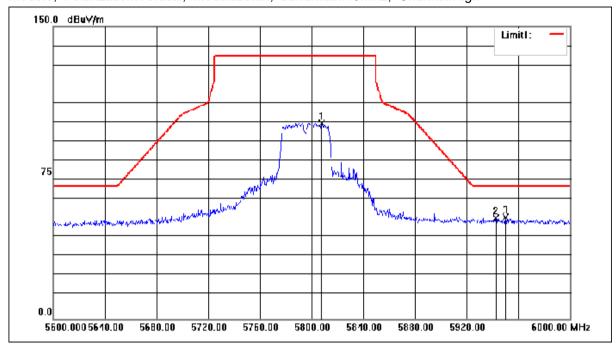
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Mode:e; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5807.600	106.89	-6.41	100.48	135.00	-34.52	peak
2	5942.400	57.37	-5.67	51.70	68.20	-16.50	peak
3	5950.000	57.42	-5.64	51.78	68.20	-16.42	peak



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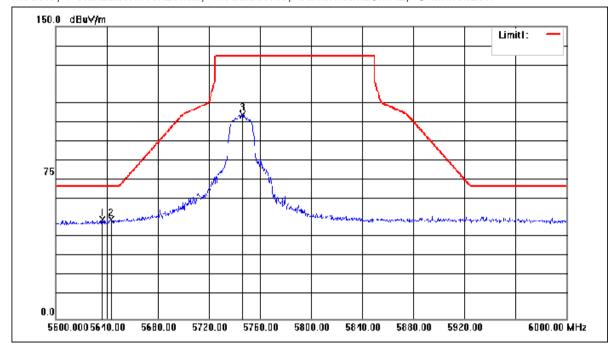
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5636.400	57.55	-6.88	50.67	68.20	-17.53	peak
2	5643.200	57.66	-6.86	50.80	68.20	-17.40	peak
3	5746.400	111.50	-6.60	104.90	135.00	-30.10	peak



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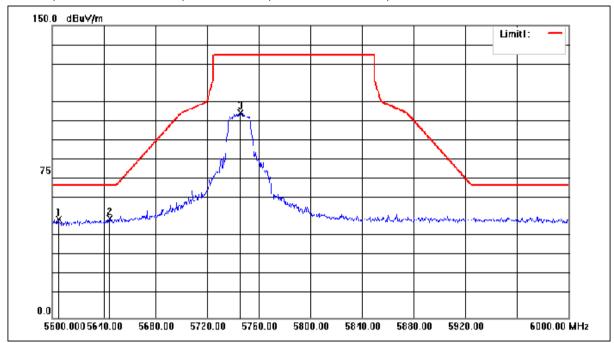
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5604.800	57.33	-6.95	50.38	68.20	-17.82	peak
2	5644.400	57.65	-6.85	50.80	68.20	-17.40	peak
3	5746.000	111.76	-6.60	105.16	135.00	-29.84	peak



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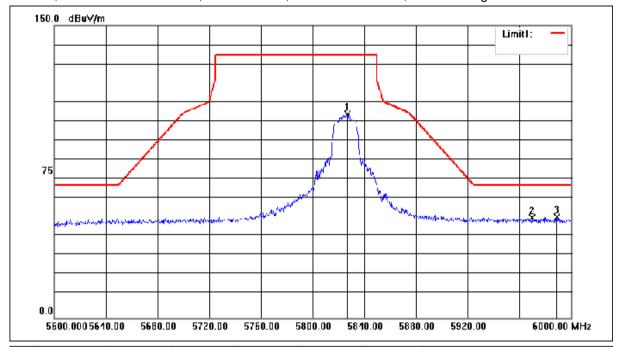
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5826.800	110.93	-6.31	104.62	135.00	-30.38	peak
2	5970.000	56.89	-5.52	51.37	68.20	-16.83	peak
3	5989.200	56.95	-5.42	51.53	68.20	-16.67	peak



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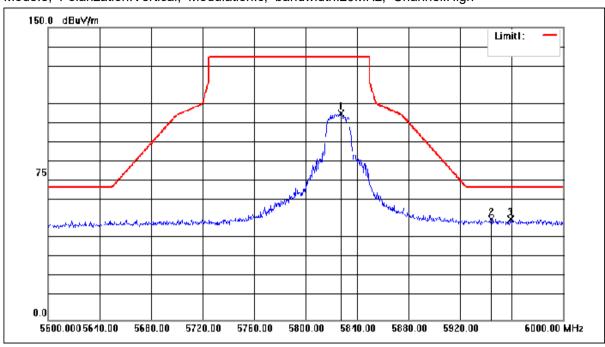
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5827.600	112.16	-6.31	105.85	135.00	-29.15	peak
2	5944.400	57.29	-5.67	51.62	68.20	-16.58	peak
3	5959.200	56.97	-5.58	51.39	68.20	-16.81	peak



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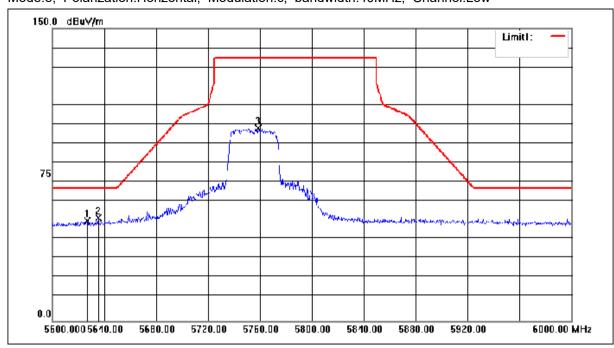
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5626.800	57.98	-6.90	51.08	68.20	-17.12	peak
2	5635.600	59.67	-6.88	52.79	68.20	-15.41	peak
3	5758.800	105.38	-6.56	98.82	135.00	-36.18	peak



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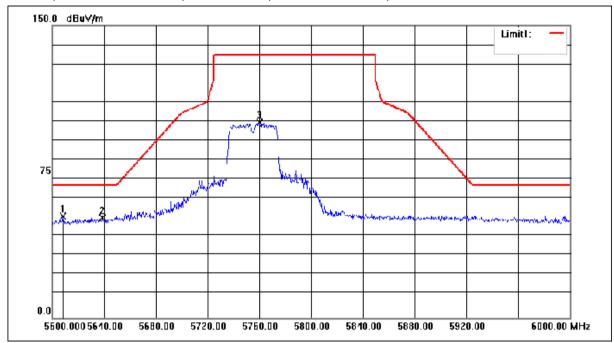
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5608.000	58.96	-6.95	52.01	68.20	-16.19	peak
2	5638.800	58.24	-6.87	51.37	68.20	-16.83	peak
3	5760.000	106.89	-6.56	100.33	135.00	-34.67	peak



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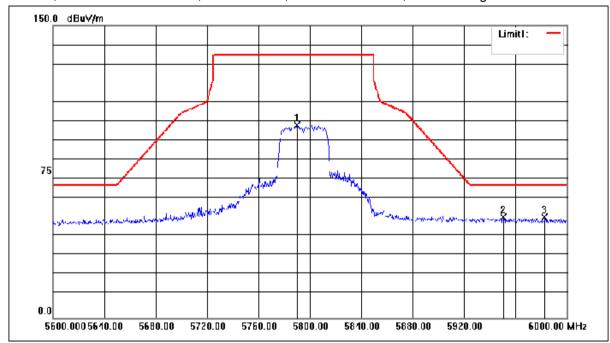
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5790.000	105.37	-6.49	98.88	135.00	-36.12	peak
2	5950.800	57.36	-5.63	51.73	68.20	-16.47	peak
3	5982.800	56.90	-5.46	51.44	68.20	-16.76	peak



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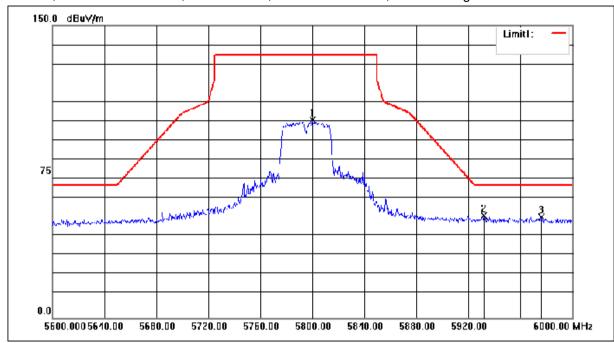
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5800.000	107.86	-6.46	101.40	135.00	-33.60	peak
2	5932.000	58.23	-5.73	52.50	68.20	-15.70	peak
3	5976.400	57.22	-5.49	51.73	68.20	-16.47	peak



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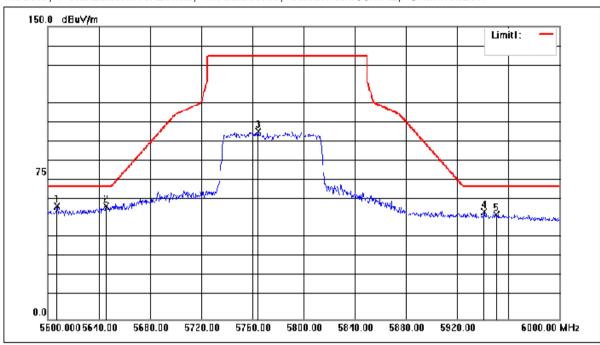
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Mode:e; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5607.200	64.83	-6.95	57.88	68.20	-10.32	peak
2	5645.600	64.75	-6.85	57.90	68.20	-10.30	peak
3	5764.400	102.82	-6.55	96.27	135.00	-38.73	peak
4	5940.800	60.62	-5.69	54.93	68.20	-13.27	peak
5	5950.800	59.12	-5.63	53.49	68.20	-14.71	peak



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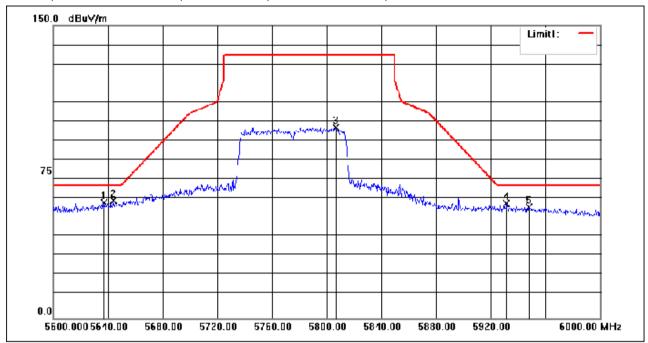
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Mode:e; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5637.200	65.91	-6.87	59.04	68.20	-9.16	peak
2	5644.000	67.15	-6.85	60.30	68.20	-7.90	peak
3	5806.400	104.05	-6.42	97.63	135.00	-37.37	peak
4	5931.600	64.47	-5.73	58.74	68.20	-9.46	peak
5	5948.000	62.51	-5.64	56.87	68.20	-11.33	peak



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7.10 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

Limit: The frequency tolerance shall be maintained within the band of operation

frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.



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7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode:

b: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.

c:TX mode (Band 2A)_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.

d:TX mode (Band 2C)_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.

e: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.



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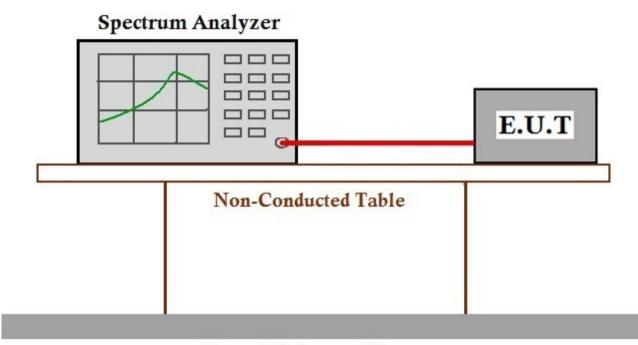
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7.10.2 Test Setup Diagram



Ground Reference Plane

7.10.3 Measurement Procedure and Data

The detailed test data see: Appendix B for SHEM210800989702



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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