

Report No.: KSCR220100003504

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TEST REPORT

 Application No.:
 KSCR2201000035AT

 FCC ID:
 2ADTD-DS-D5B86

 IC:
 20199-DSD5B86

Applicant: Hangzhou Hikvision Digital Technology Co., Ltd.

Address of Applicant: No.555 Qianmo Road, Binjiang District Hangzhou 310052, China

Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

Address of Manufacturer: No.555 Qianmo Road, Binjiang District Hangzhou 310052, China

Factory: 1.Hangzhou Hikvision Technology Co., Ltd.

2. Hangzhou Hikvision Electronics Co., Ltd.

3. Hangzhou Hikvision Digital Technology Co., Ltd.

4. Chongging Hikvision technology Co., LTD

Address of Factory: 1.No.700, Dongliu Road, Binjiang District, Hangzhou Ctiy, Zhejiang,

310052, China;

2.No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu

County, Hangzhou, Zhejiang, 310052, China

3.No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China 4.NO.118.Haikang Road, Area C. Jiangiao Industrial Park, Dadukou

District, Chongqing, 401325, China.

Equipment Under Test (EUT):

EUT Name: Interactive Tablets **Model No.:** Refer to Page 2~3¤

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

actually tested and which were electrically identical.

Trade mark: HIKVISION

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

RSS-247 Issue 2, February 2017

RSS-Gen Issue 5 Amendment 2 (February 2021)

Date of Receipt: 2022-01-05

Date of Test: 2022-02-23 to 2022-03-08

Date of Issue: 2022-03-09

Test Result: Pass*

Eric Lin Laboratory Manager

Fora fin



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





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Model No.:

DS-D5B86RB/A; DS-D5B86RB/B; DS-D5B86RB/C; DS-D5B86RD/A; DS-D5B86RD/B; DS-D5B86RD/C; DS-D5B86RO/A; DS-D5B86RO/B; DS-D5B86RO/C; DS-D5B86RG/A; DS-D5B86RG/B; DS-D5B86RG/C; DS-D5B86RM/A; DS-D5B86RM/B; DS-D5B86RM/C; DS-D5B86JRX; DS-D5B86JRY; DS-D5B86JRZ: DS-D5B86NYX: DS-D5B86NYY: DS-D5B86NYZ: DS-D5B86ZFX: DS-D5B86ZFY: DS-D5B86ZFZ; DS-D5B86GAX; DS-D5B86GAY; DS-D5B86GAZ; DS-D5B86DCX; DS-D5B86DCY; DS-D5B86DCZ; DS-D5B86RB/ZC;DS-D5B86RD/ZC;DS-D5B86XX/ZC;DS-D5B86RD/AO; DS-D5B86RD/AP; DS-D5B86RB/AO; DS-D5B86RB/AP; DS-D5B86RD/BO; DS-D5B86RD/BP; DS-D5B86RB/BO; DS-D5B86RB/BP; DS-D5B86MD/AO; DS-D5B86MD/AP; DS-D5B86MB/AO; DS-D5B86MB/AP; DS-D5B86MD/BO; DS-D5B86MD/BP; DS-D5B86MB/BO; DS-D5B86MB/BP; DS-D5B86CD/AO; DS-D5B86CD/AP: DS-D5B86CB/AO: DS-D5B86CB/AP: DS-D5B86CD/BO: DS-D5B86CD/BP: DS-D5B86CB/BO; DS-D5B86CB/BP; DS-D5B86FD/AO; DS-D5B86FD/AP; DS-D5B86FB/AO; DS-D5B86FB/AP; DS-D5B86FD/A; DS-D5B86FB/A; DS-D5B86FD/BO; DS-D5B86FD/BP; DS-D5B86FB/BO; DS-D5B86FB/BP; DS-D5B86FD/B; DS-D5B86FB/B; DS-D5C86RB/A; DS-D5C86RB/B; DS-D5C86RB/C; DS-D5C86RD/A; DS-D5C86RD/B; DS-D5C86RD/C; DS-D5C86RO/A; DS-D5C86RO/B: DS-D5C86RO/C: DS-D5C86RG/A: DS-D5C86RG/B: DS-D5C86RG/C: DS-D5C86RM/A: DS-D5C86RM/B: DS-D5C86RM/C: DS-D5C86JRX; DS-D5C86JRY: DS-D5C86JRZ: DS-D5C86NYX; DS-D5C86NYY; DS-D5C86NYZ; DS-D5C86ZFX; DS-D5C86ZFY; DS-D5C86ZFZ; DS-D5C86GAX; DS-D5C86GAY; DS-D5C86GAZ; DS-D5C86DCX; DS-D5C86DCY; DS-D5C86DCZ; DS-D5C86RB/ZC;DS-D5C86RD/ZC;DS-D5C86XX/ZC;DS-D5C86RD/AO; DS-D5C86RD/AP; DS-D5C86RB/AO; DS-D5C86RB/AP; DS-D5C86RD/BO; DS-D5C86RD/BP; DS-D5C86RB/BO; DS-D5C86RB/BP; DS-D5C86MD/AO; DS-D5C86MD/AP; DS-D5C86MB/AO; DS-D5C86MB/AP; DS-D5C86MD/BO; DS-D5C86MD/BP; DS-D5C86MB/BO; DS-D5C86MB/BP; DS-D5C86CD/AO; DS-D5C86CD/AP; DS-D5C86CB/AO: DS-D5C86CB/AP: DS-D5C86CD/BO: DS-D5C86CD/BP: DS-D5C86CB/BO: DS-D5C86CB/BP; DS-D5C86FD/AO; DS-D5C86FD/AP; DS-D5C86FB/AO; DS-D5C86FB/AP; DS-D5C86FD/A; DS-D5C86FB/A; DS-D5C86FD/BO; DS-D5C86FD/BP; DS-D5C86FB/BO; DS-D5C86FB/BP; DS-D5C86FD/B; DS-D5C86FB/B; DS-D5D86RB/A; DS-D5D86RB/B; DS-D5D86RB/C; DS-D5D86RD/A; DS-D5D86RD/B; DS-D5D86RD/C; DS-D5D86RO/A; DS-D5D86RO/B; DS-D5D86RO/C; DS-D5D86RG/A; DS-D5D86RG/B; DS-D5D86RG/C; DS-D5D86RM/A; DS-D5D86RM/B; DS-D5D86RM/C; DS-D5D86JRX; DS-D5D86JRY; DS-D5D86JRZ; DS-D5D86NYX; DS-D5D86NYY; DS-D5D86NYZ; DS-D5D86ZFX; DS-D5D86ZFY; DS-D5D86ZFZ; DS-D5D86GAX; DS-D5D86GAY; DS-D5D86GAZ: DS-D5D86DCX: DS-D5D86DCY: DS-D5D86DCZ: DS-D5D86RB/ZC:DS-D5D86RD/ZC:DS-D5D86XX/ZC;DS-D5D86RD/AO; DS-D5D86RD/AP; DS-D5D86RB/AO; DS-D5D86RB/AP; DS-D5D86RD/BO; DS-D5D86RD/BP; DS-D5D86RB/BO; DS-D5D86RB/BP; DS-D5D86MD/AO; DS-D5D86MD/AP; DS-D5D86MB/AO; DS-D5D86MB/AP; DS-D5D86MD/BO; DS-D5D86MD/BP; DS-D5D86MB/BO; DS-D5D86MB/BP; DS-D5D86CD/AO; DS-D5D86CD/AP; DS-D5D86CB/AO; DS-D5D86CB/AP; DS-D5D86CD/BO; DS-D5D86CD/BP; DS-D5D86CB/BO; DS-D5D86CB/BP; DS-D5D86FD/AO; DS-D5D86FD/AP; DS-D5D86FB/AO; DS-D5D86FB/AP; DS-D5D86FD/A; DS-D5D86FB/A; DS-D5D86FD/BO; DS-D5D86FD/BP; DS-D5D86FB/BO; DS-D5D86FB/BP; DS-D5D86FD/B; DS-D5D86FB/B; DS-D5F86RB/A; DS-D5F86RB/B; DS-D5F86RB/C; DS-D5F86RD/A; DS-D5F86RD/B; DS-D5F86RD/C; DS-D5F86RO/A; DS-D5F86RO/B; DS-D5F86RO/C; DS-D5F86RG/A; DS-D5F86RG/B; DS-D5F86RG/C; DS-D5F86RM/A; DS-D5F86RM/B; DS-D5F86RM/C; DS-D5F86JRX; DS-D5F86JRY; DS-D5F86JRZ; DS-D5F86NYX; DS-D5F86NYY; DS-D5F86NYZ; DS-D5F86ZFX; DS-D5F86ZFY; DS-D5F86ZFZ; DS-D5F86GAX; DS-D5F86GAY; DS-D5F86GAZ; DS-D5F86DCX; DS-D5F86DCY; DS-D5F86DCZ; DS-D5F86RB/ZC;DS-D5F86RD/ZC;DS-D5F86XX/ZC;DS-D5F86RD/AO; DS-D5F86RD/AP; DS-D5F86RB/AO; DS-D5F86RB/AP; DS-D5F86RD/BO; DS-D5F86RD/BP; DS-D5F86RB/BO; DS-D5F86RB/BP; DS-D5F86MD/AO; DS-D5F86MD/AP; DS-D5F86MB/AO; DS-



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D5F86MB/AP; DS-D5F86MD/BO; DS-D5F86MD/BP; DS-D5F86MB/BO; DS-D5F86MB/BP; DS-D5F86CD/AO; DS-D5F86CD/AP; DS-D5F86CB/AO; DS-D5F86CB/AP; DS-D5F86CD/BO; DS-D5F86CD/BP; DS-D5F86CB/BO; DS-D5F86CB/BP; DS-D5F86FD/AO; DS-D5F86FD/AP; DS-D5F86FB/AO; DS-D5F86FB/AP; DS-D5F86FD/A; DS-D5F86FD/BO; DS-D5F86FD/BP; DS-D5F86FB/BO; DS-D5F86FB/BP; DS-D5F86FD/B; DS-D5F86FB/B; DS-D5A86RB/A; DS-D5A86RB/B; DS-D5A86RB/C; DS-D5A86RD/A; DS-D5A86RD/B; DS-D5A86RD/C; DS-D5A86RO/A: DS-D5A86RO/B: DS-D5A86RO/C: DS-D5A86RG/A: DS-D5A86RG/B: DS-D5A86RG/C: DS-D5A86RM/A: DS-D5A86RM/B: DS-D5A86RM/C: DS-D5A86JRX: DS-D5A86JRY: DS-D5A86JRZ: DS-D5A86NYX; DS-D5A86NYY; DS-D5A86NYZ; DS-D5A86ZFX; DS-D5A86ZFY; DS-D5A86ZFZ; DS-D5A86GAX; DS-D5A86GAY; DS-D5A86GAZ; DS-D5A86DCX; DS-D5A86DCY; DS-D5A86DCZ; DS-D5A86RB/ZC;DS-D5A86RD/ZC;DS-D5A86XX/ZC;DS-D5A86RD/AO; DS-D5A86RD/AP; DS-D5A86RB/AO: DS-D5A86RB/AP: DS-D5A86RD/BO: DS-D5A86RD/BP: DS-D5A86RB/BO: DS-D5A86RB/BP; DS-D5A86MD/AO; DS-D5A86MD/AP; DS-D5A86MB/AO; DS-D5A86MB/AP; DS-D5A86MD/BO; DS-D5A86MD/BP; DS-D5A86MB/BO; DS-D5A86MB/BP; DS-D5A86CD/AO; DS-D5A86CD/AP; DS-D5A86CB/AO; DS-D5A86CB/AP; DS-D5A86CD/BO; DS-D5A86CD/BP; DS-D5A86CB/BO; DS-D5A86CB/BP; DS-D5A86FD/AO; DS-D5A86FD/AP; DS-D5A86FB/AO; DS-D5A86FB/AP; DS-D5A86FD/A; DS-D5A86FB/A; DS-D5A86FD/BO; DS-D5A86FD/BP; DS-D5A86FB/BO; DS-D5A86FB/BP; DS-D5A86FD/B; DS-D5A86FB/B; DS-D5X86XX/X; DS-D5X86XX/XX; DS-D5XXXXX/XXX; DS-D5XXXXX/XXXX("X" stands for A-Z, 0-9 or blank)

For IC Model No.:

DS-D5B86RB/A; DS-D5B86RB/B



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Revision Record						
Version Description Date Remark						
00	Original	2022-03-09	/			

Authorized for issue by:			
	Damon zhou		
	Damon Zhou / Project Engineer	-	
	Eria fri		
	Eric Lin / Reviewer	_	



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2 Test Summary

Radio Spectrum Technical Requirement							
Item FCC Requirement IC Requirement Method							
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	RSS-Gen Clause 6.8	N/A	Pass			
Transmission in the Absence of Data	47 CFR Part 15, Subpart E 15.407 (c)	RSS-247 Section 6.4(a)	N/A	Pass			

N/A: Not applicable

Radio Spectrum Matter Part							
Item	FCC Requirement	IC Requirement	Method	Result			
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(6)	RSS-Gen Section 8.8	ANSI C63.10 (2013) Section 6.2	Pass			
99% Bandwidth	N/A	RSS-Gen Section 6.7	KDB 789033 II D	Pass			
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1(1)	KDB 789033 D02 II C 1	Pass			
Minimum 6 dB bandwidth (5.725- 5.85 GHz band)	47 CFR Part 15, Subpart E 15.407 (e)	RSS-247 Section 6.2.4	KDB 789033 D02 II C 2	Pass			
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3&6.2 .4	KDB 789033 D02 II E	Pass			
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407 (a)	RSS-247 Section 6.2.1&6.2.2&6.2.3& 6.2.4	KDB 789033 D02 II F	Pass			
Radiated Emissions	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass			
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass			
Frequency Stability	47 CFR Part 15, Subpart E 15.407 (g)	RSS-Gen Section 6.11	ANSI C63.10 (2013) Section 6.8& RSS-Gen Section 6.11	Pass			

Declaration of EUT Family Grouping:

There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model DS-D5B86RB/A was tested since their differences were the model number, trade name, Color and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply: AC100-240V 50/60Hz

Test voltage: AC 120V/60Hz

Operation Frequency:	eration Frequency: 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 III	802.11a/n(HT20)/ac(VHT20)	5745-5825	5			
		802.11n(HT40)/ac(VHT40)	5755-5795	2			
		802.11ac(VHT80)	5775	1			
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)						
	802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)						
	802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)						
Date Rate:	802.11a:6/9/12/18/24/36/48/54Mbps						
	802.11n:MCS0-MCS7						
	802.11ac:VHT M	CS0-MCS7					
Channel Spacing:	802.11a/n(HT20))/ac(VHT20): 20MHz					
	802.11n(HT40)/a	ac(VHT40): 40MHz					
	802.11ac(VHT80)): 80MHz					
Antenna Gain:	For Module MT7	668					
	•	rovided by the manufacturer)					
	,	rovided by the manufacturer)					
	Directional gain:						
	For Module RTL						
	,	rovided by the manufacturer)					
	,	rovided by the manufacturer)					
Antonno Tynor	Directional gain:6.35dBi						
Antenna Type:	PCB Antenna						
DFS Function:	Slaver without ra	dar detection					
Serial Number:	G20517594						
Firmware Version:	V2.1.0 build2105	528					



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4.2 Power level setting using in test

MT7668

M17668						
Channel	802.11a		802.11r	n(HT20)	802.11ac(VHT20)	
Channel	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
36	10	10	10	10	10	10
40	10	10	10	10	10	10
48	10	10	10	10	10	10
149	10	10	10	10	10	10
157	10	10	10	10	10	10
165	10	10	10	10	10	10
Channel	802.11n(HT40)		802.11ac(VHT40)			
Criainio	Ant 1	Ant 2	Ant 1	Ant 2		
38	10	10	10	10		
46	10	10	10	10		
151	10	10	10	10		
159	10	10	10	10		
Channel	802.11a	c(VHT80)				
	Ant 1	Ant 2				
42	10	10				
155	10	10				



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RTL8812cu

K I LOO I Z CU							
Channel	802.11a		802.11r	802.11n(HT20)		802.11ac(VHT20)	
Charmer	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
36	Default	Default	Default	Default	Default	Default	
40	Default	Default	Default	Default	Default	Default	
48	Default	Default	Default	Default	Default	Default	
149	Default	Default	Default	Default	Default	Default	
157	Default	Default	Default	Default	Default	Default	
165	Default	Default	Default	Default	Default	Default	
Channel	802.11n(HT40)		802.11ac(VHT40)				
	Ant 1	Ant 2	Ant 1	Ant 2			
38	Default	Default	Default	Default			
46	Default	Default	Default	Default			
151	Default	Default	Default	Default			
159	Default	Default	Default	Default			
Channel	802.11ad	c(VHT80)					
	Ant 1	Ant 2					
42	Default	Default					
155	Default	Default					

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Notebook	Lenovo	N/A	N/A



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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
0	DE Dodieted Dower	5.2dB (Below 1GHz)
8	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
0	Dadiated Courieus 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 (Kunshan) 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
Con	ducted Emission at Mains Terminals (150	kHz-30MHz)				
1	EMI Test Receive	R&S	ESCI	100781	01/22/2022	01/21/2023
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	01/22/2022	01/21/2023
5	CE test Cable	Thermax	/	14	10/16/2021	10/15/2022
6	Test Software	Faratronic	EZ-EMC	CCS-03A1	N.C.R	N.C.R
RF (Conducted Test					
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Spectrum Analyzer	Keysight	N9030B	MY61330164	01/22/2022	01/21/2023
6	Vector Signal Generator	R&S	SMW200A	110074	10/12/2021	10/11/2022
7	Radio Communication Test Station	Anritsu	MT8000A	6262012849	09/23/2021	09/22/2022
8	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	09/23/2021	09/22/2022
9	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
10	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2021	04/15/2022
11	Power Meter	Anritsu	ML2495A	1445010	04/15/2021	04/14/2022
12	Switcher	CCSRF	FY562	KUS2001M001-3	10/12/2021	10/11/2022
13	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
14	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
15	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
16	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
17	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
18	Conducted Test Cable	/	RF01-RF04	/	04/15/2021	04/14/2022
19	Software	BST	TST-PASS	N/A	N/A	N/A
20	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
21	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	02/20/2022	02/19/2023
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



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15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R
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	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:

For Module MT7668:

The antenna 1 and antenna 2 is PCB Antenna, and no consideration of replacement. The best case gain of the antenna 1 is 2.30dBi and antenna 2 is 0.78dBi.

For Module RTL8812cu:

The antenna 1 and antenna 2 is PCB Antenna, and no consideration of replacement. The best case gain of the antenna 1 is 3.06dBi and antenna 2 is 3.60dBi.

Antenna location: Refer to Appendix (Internal Photos)



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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 module MT7668 and RTL8812CU and 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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Atmospheric Pressure: 1010 mbar

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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:

Fraguency of emission/MU=)	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.						

Humidity:

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

Pretest these

modes to find the worst case:

b:Module MT7668 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

48 % RH

802.11ac(VHT80). Only the data of worst case is recorded in the report.

c:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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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The worst case for final test:

b:Module MT7668 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

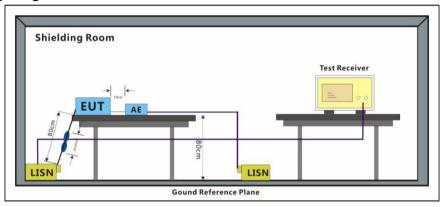
802.11ac(VHT80). Only the data of worst case is recorded in the report.

h:Module RTL8812CU 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.1.2 Test Setup Diagram





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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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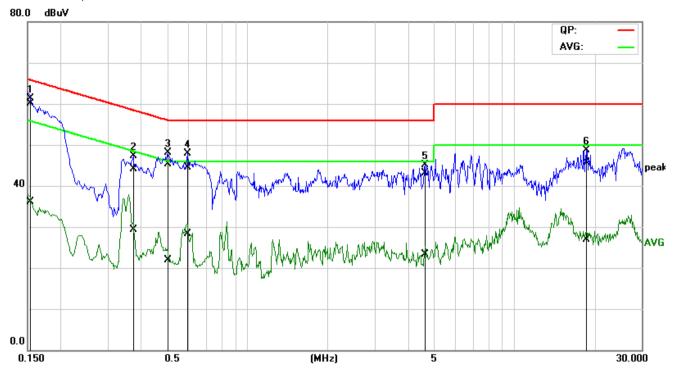
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Test Mode: b; Line: Live line



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*	0.1556	40.52	16.51	19.50	60.02	36.01	65.69	55.70	-5.67	-19.69	Pass
2	0.3740	24.62	9.76	19.53	44.15	29.29	58.41	48.41	-14.26	-19.12	Pass
3	0.5020	25.80	2.35	19.56	45.36	21.91	56.00	46.00	-10.64	-24.09	Pass
4	0.5980	24.96	8.74	19.56	44.52	28.30	56.00	46.00	-11.48	-17.70	Pass
5	4.6260	23.22	3.52	19.80	43.02	23.32	56.00	46.00	-12.98	-22.68	Pass
6	18.7020	25.38	6.61	20.33	45.71	26.94	60.00	50.00	-14.29	-23.06	Pass



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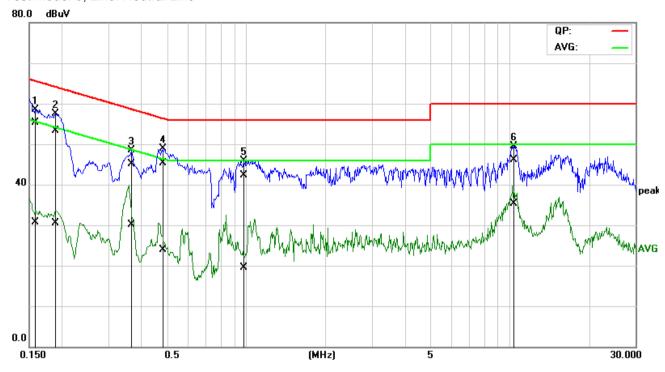
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Test Mode: b; Line: Neutral Line



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*	0.1582	35.88	11.22	19.48	55.36	30.70	65.55	55.56	-10.19	-24.86	Pass
2	0.1884	33.85	11.05	19.49	53.34	30.54	64.10	54.11	-10.76	-23.57	Pass
3	0.3660	25.54	10.66	19.52	45.06	30.18	58.59	48.59	-13.53	-18.41	Pass
4	0.4820	25.68	4.44	19.56	45.24	24.00	56.30	46.30	-11.06	-22.30	Pass
5	0.9820	22.78	-0.10	19.60	42.38	19.50	56.00	46.00	-13.62	-26.50	Pass
6	10.3580	25.97	15.20	20.05	46.02	35.25	60.00	50.00	-13.98	-14.75	Pass



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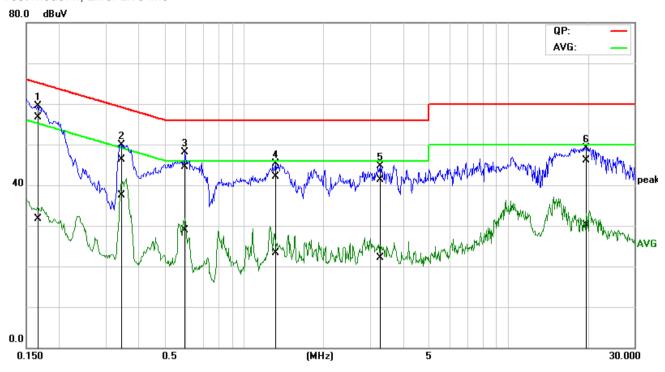
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Test Mode: h; Line: Live line



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*	0.1660	37.12	12.14	19.50	56.62	31.64	65.15	55.16	-8.53	-23.52	Pass
2	0.3427	26.87	17.98	19.52	46.39	37.50	59.14	49.14	-12.75	-11.64	Pass
3	0.5980	25.02	9.28	19.56	44.58	28.84	56.00	46.00	-11.42	-17.16	Pass
4	1.3180	22.43	3.77	19.61	42.04	23.38	56.00	46.00	-13.96	-22.62	Pass
5	3.2900	21.56	2.36	19.73	41.29	22.09	56.00	46.00	-14.71	-23.91	Pass
6	19.6540	25.67	9.72	20.36	46.03	30.08	60.00	50.00	-13.97	-19.92	Pass



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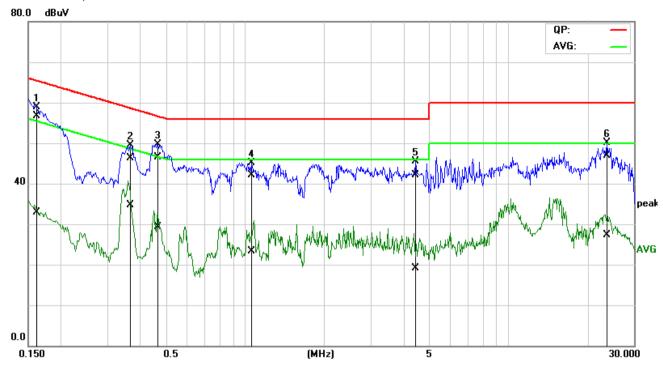
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Test Mode: h; Line: Neutral Line



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*	0.1622	37.15	13.35	19.48	56.63	32.83	65.35	55.35	-8.72	-22.52	Pass
2	0.3660	26.76	15.11	19.52	46.28	34.63	58.59	48.59	-12.31	-13.96	Pass
3	0.4661	26.96	9.69	19.55	46.51	29.24	56.58	46.58	-10.07	-17.34	Pass
4	1.0580	22.44	3.74	19.60	42.04	23.34	56.00	46.00	-13.96	-22.66	Pass
5	4.4380	22.34	-0.60	19.77	42.11	19.17	56.00	46.00	-13.89	-26.83	Pass
6	23.6780	26.57	6.95	20.28	46.85	27.23	60.00	50.00	-13.15	-22.77	Pass



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7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.2.1 E.U.T. Operation

Operating Environment:

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

Pretest these modes to find the worst case:

b:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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.

The worst case for final test:

b:Module MT7668 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

802.11ac(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:Module MT7668 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



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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.

h:Module RTL8812CU 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

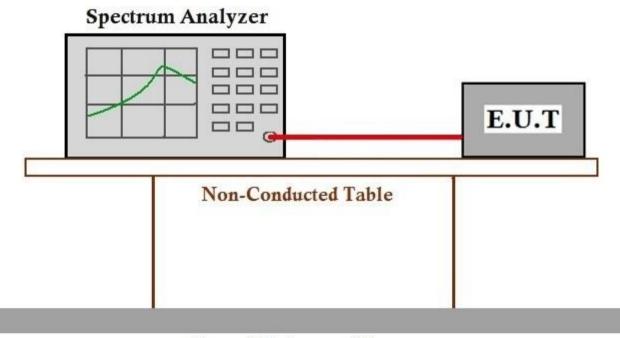
802.11ac(VHT80). Only the data of worst case is recorded in the report.

i:Module RTL8812CU 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.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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7.3 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.3.1 E.U.T. Operation

Operating Environment:

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

Pretest these modes to find the worst case:

c:Module MT7668 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

802.11ac(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. i:Module RTL8812CU 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(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40). Only the data of worst case is recorded in the report.

The worst case for final test:

c:Module MT7668 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

802.11ac(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.

i:Module RTL8812CU 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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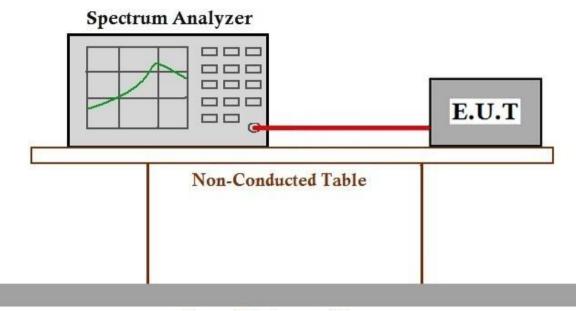
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7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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7.4 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

7.4.1 E.U.T. Operation

Operating Environment:

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

Pretest these modes to find the worst case:

c:Module MT7668 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.

i:Module RTL8812CU 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.

The worst case for final test:

c:Module MT7668 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.

i:Module RTL8812CU 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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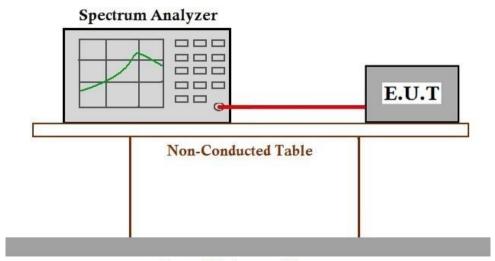
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7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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7.5 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

FOLFCC								
Frequency	y band(MHz)	Limit						
5450.5	250	≤1W(30dBm) for master device						
5150-5	250	≤250mW(24dBm) for client device						
5250-5	350	≤250mW(24dBm) for client device or 11dBm+10logB*						
5470-5	725	≤250mW(24dBm) for client device or 11dBm+10logB*						
5725-58	850	≤1W(30dBm)						
Remark:	The maximur	the 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						

- 2. The EUT 802.11n/ac mode supports 2 * 2 MIMO transmission. The gain for Module RTL8812CU of each antenna is 3.06dBi and 3.60dBi, and the directional antenna gain is 6.35dBi. Therefore, the power limit should be reduced from the part exceeding 6, 5150-5250MHz: 23.63dBm & 5725-5850MHz: 29.65dBm.
- 3. For IC 5150MHz to 5250MHz limit is EIRP ≤ 200mW(23.01dBm)

The EUT 802.11n/ac mode supports 2 * 2 MIMO transmission. The gain for Module RTL8812CU of each antenna is 3.06dBi and 3.60dBi, and the directional antenna gain is 6.35dBi. Therefore, the power limit should be reduced from the part exceeding 6, 5725-5850MHz: 29.65dBm.



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7.5.1 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:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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.

The worst case for final test:

b:Module MT7668 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

802.11ac(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:Module MT7668 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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h:Module RTL8812CU 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

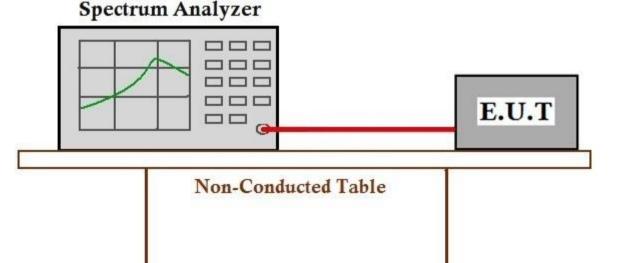
802.11ac(VHT80). Only the data of worst case is recorded in the report.

i:Module RTL8812CU 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.

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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7.6 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
E4E0 E3E0	≤17dBm in 1MHz for master device
5150-5250	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz

Remark:

- 1. The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.
- 2. The EUT 802.11n/ac mode supports 2 * 2 MIMO transmission. The gain for Module RTL8812CU of each antenna is 3.06dBi and 3.60dBi, and the directional antenna gain is 6.35dBi. Therefore, the power spectrum density limit should be reduced from the part exceeding 6, 5150-5725MHz: 10.65dBm/MHz; 5725-5850MHz: 29.65dBm/500kHz.
- 3. For IC 5150MHz to 5250MHz limit is EIRP PSD≤10dBm/MHz

Humidity: 50 % RH

The EUT 802.11n/ac mode supports 2 * 2 MIMO transmission. The gain for Module RTL8812CU of each antenna is 3.06dBi and 3.60dBi, and the directional antenna gain is 6.35dBi. Therefore, the power spectrum density limit should be reduced from the part exceeding 6, 5725-5850MHz: 29.65dBm/500kHz.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C

Pretest these modes to find the worst case:

b:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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



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Atmospheric Pressure: 1010 mbar



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802.11ac(VHT80). Only the data of worst case is recorded in the report.

i:Module RTL8812CU 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.

The worst case for final test:

b:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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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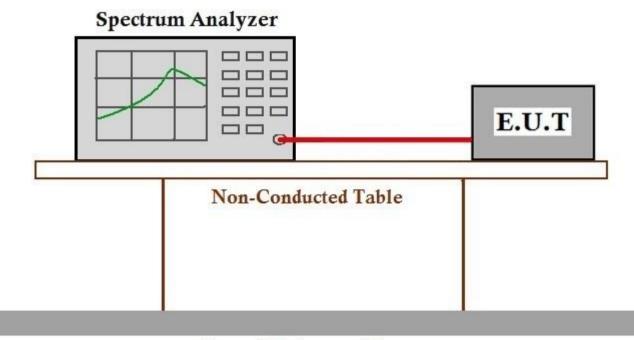
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7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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7.7 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15,209 & 15,407(b)

Test Method: KDB 789033 D02 II G

24 °C

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.

7.7.1 E.U.T. Operation

Operating Environment:

Pretest these modes to find the worst case:

Temperature:

b:Module MT7668 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

50

Humidity:

802.11ac(VHT80). Only the data of worst case is recorded in the report.

% RH

c:Module MT7668 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.

h:Module RTL8812CU 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.

i:Module RTL8812CU 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



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Atmospheric Pressure: 1010 mbar



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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:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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

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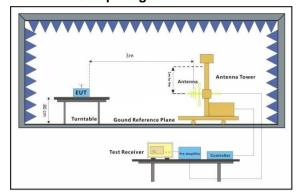
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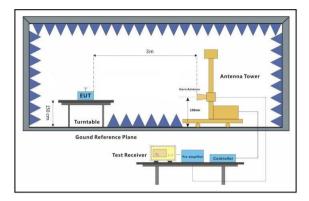


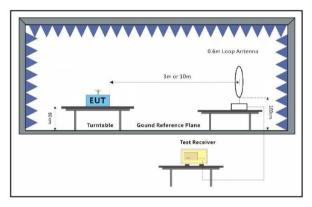
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7.7.2 Test Setup Diagram









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7.7.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 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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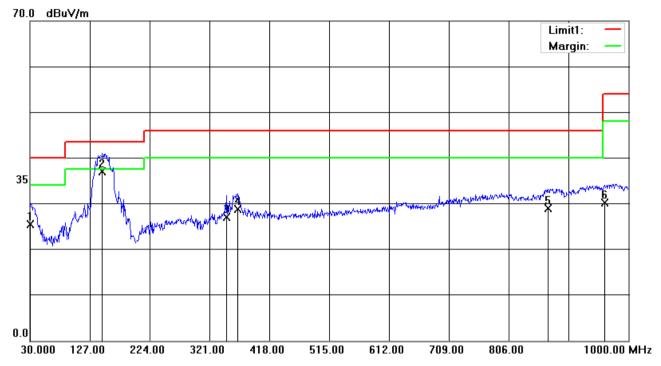
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30MHz-1GHz Test mode: b Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.9700	0.16	25.38	25.54	40.00	-14.46	QP
2	147.3700	17.01	20.05	37.06	43.50	-6.44	QP
3	348.1600	4.79	22.32	27.11	46.00	-18.89	QP
4	366.5900	6.04	22.78	28.82	46.00	-17.18	QP
5	870.0200	0.68	28.32	29.00	46.00	-17.00	QP
6	962.1700	0.98	29.28	30.26	54.00	-23.74	QP



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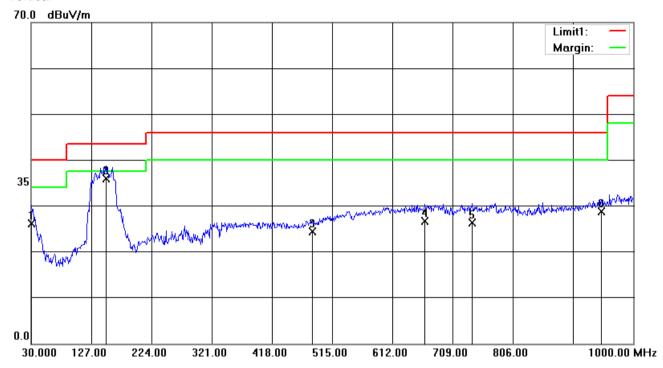
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Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.0000	0.27	25.93	26.20	40.00	-13.80	QP
2	150.2800	15.85	20.12	35.97	43.50	-7.53	QP
3	482.9900	-0.52	24.92	24.40	46.00	-21.60	QP
4	664.3800	-0.59	27.22	26.63	46.00	-19.37	QP
5	741.0100	-1.12	27.48	26.36	46.00	-19.64	QP
6	948.5900	-0.43	29.28	28.85	46.00	-17.15	QP



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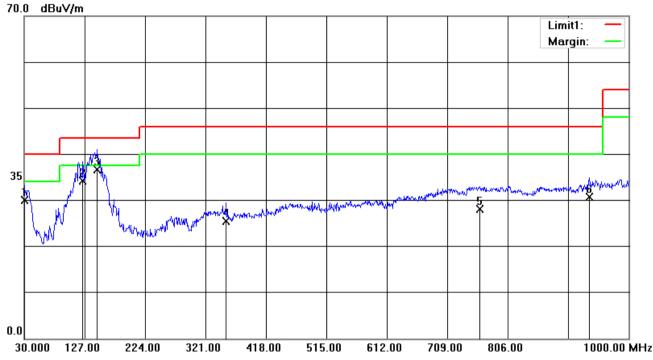
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Test mode: h Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.0000	4.12	25.93	30.05	40.00	-9.95	QP
2	124.0900	14.90	19.30	34.20	43.50	-9.30	QP
3	147.3700	16.61	20.05	36.66	43.50	-6.84	QP
4	353.9800	2.93	22.48	25.41	46.00	-20.59	QP
5	761.3800	0.60	27.56	28.16	46.00	-17.84	QP
6	936.9500	1.66	29.14	30.80	46.00	-15.20	QP



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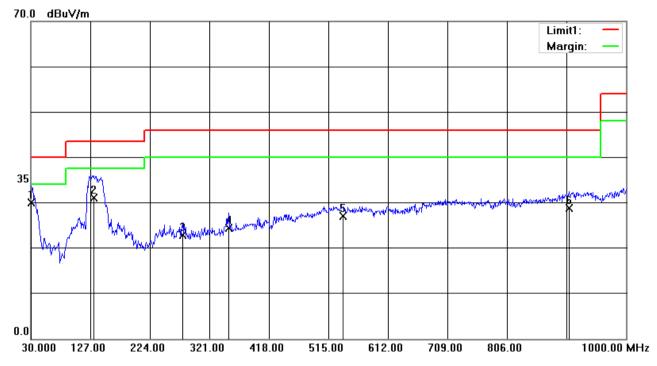
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Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	30.0000	4.03	25.93	29.96	40.00	-10.04	QP
2	132.8200	11.54	19.58	31.12	43.50	-12.38	QP
3	277.3500	2.85	20.03	22.88	46.00	-23.12	QP
4	352.0400	1.93	22.43	24.36	46.00	-21.64	QP
5	538.2800	1.40	25.69	27.09	46.00	-18.91	QP
6	906.8800	0.05	28.76	28.81	46.00	-17.19	QP



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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	48.82	0.16	48.98	68.30	-19.32	peak
2	15540.000	44.17	5.73	49.90	54.00	-4.10	peak



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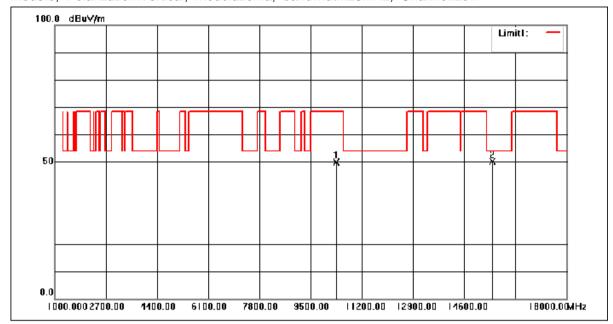
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	10360.000	49.73	0.16	49.89	68.30	-18.41	peak
	2	15540.000	44.28	5.73	50.01	54.00	-3.99	peak



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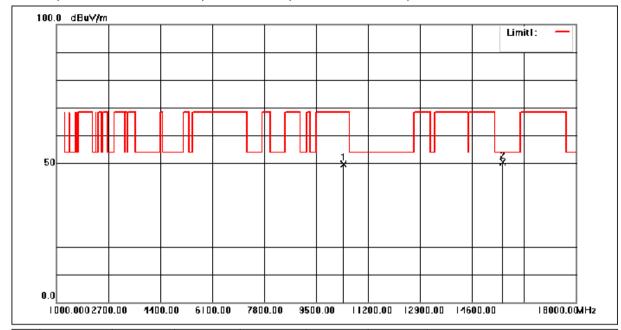
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.44	0.24	49.68	68.30	-18.62	peak
2	15600.000	44.50	5.85	50.35	54.00	-3.65	peak



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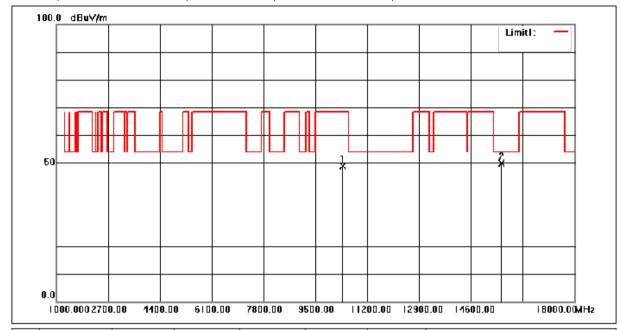
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	48.63	0.24	48.87	68.30	-19.43	peak
2	15600.000	44.07	5.85	49.92	54.00	-4.08	peak



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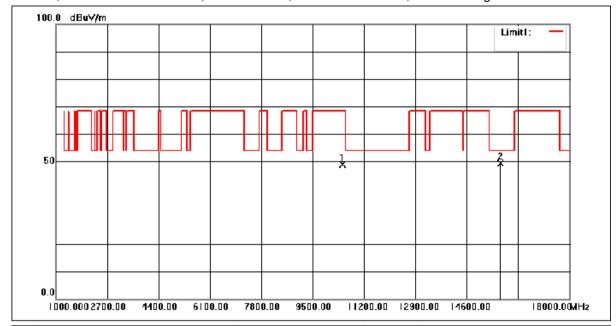
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Mode:b; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No	. Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.45	0.40	48.85	68.30	-19.45	peak
2	15720.000	43.27	6.10	49.37	54.00	-4.63	peak



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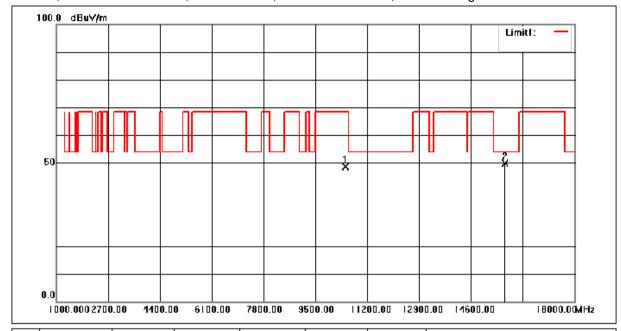
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.13	0.40	48.53	68.30	-19.77	peak
2	15720.000	43.82	6.10	49.92	54.00	-4.08	peak



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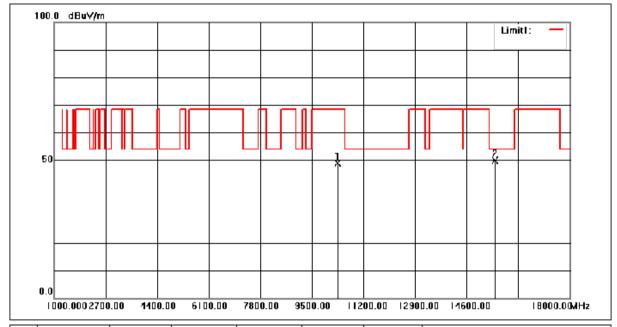
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	48.71	0.16	48.87	68.30	-19.43	peak
2	15540.000	44.21	5.73	49.94	54.00	-4.06	peak



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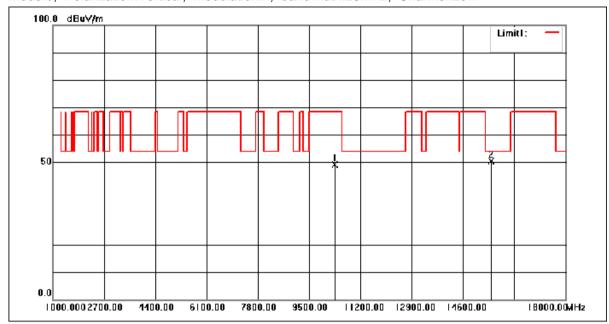
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.09	0.16	49.25	68.30	-19.05	peak
2	15540.000	44.61	5.73	50.34	54.00	-3.66	peak



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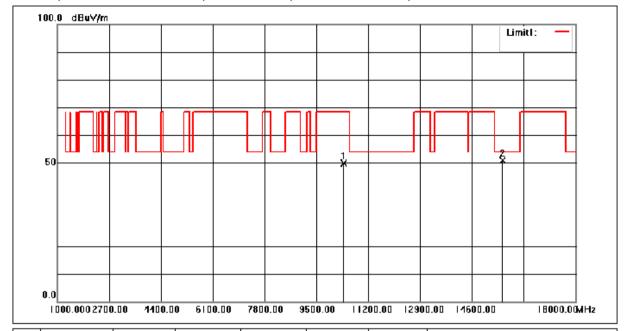
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	10400.000	49.64	0.24	49.88	68.30	-18.42	peak
2	2	15600.000	44.98	5.85	50.83	54.00	-3.17	peak



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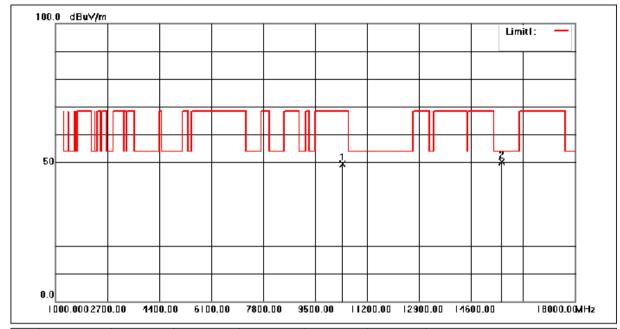
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.02	0.24	49.26	68.30	-19.04	peak
2	15600.000	44.22	5.85	50.07	54.00	-3.93	peak



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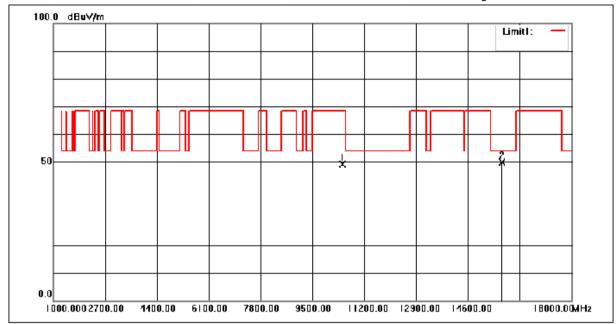
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.65	0.40	49.05	68.30	-19.25	peak
2	15720.000	43.88	6.10	49.98	54.00	-4.02	peak



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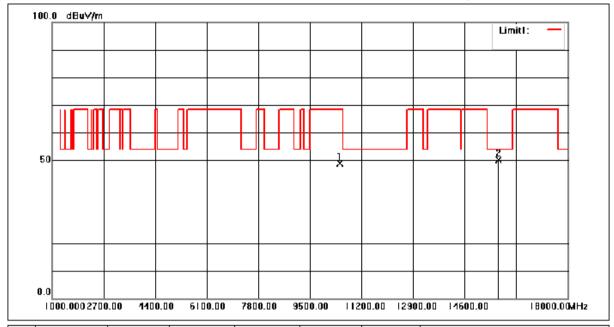
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.54	0.40	48.94	68.30	-19.36	peak
2	15720.000	43.93	6.10	50.03	54.00	-3.97	peak



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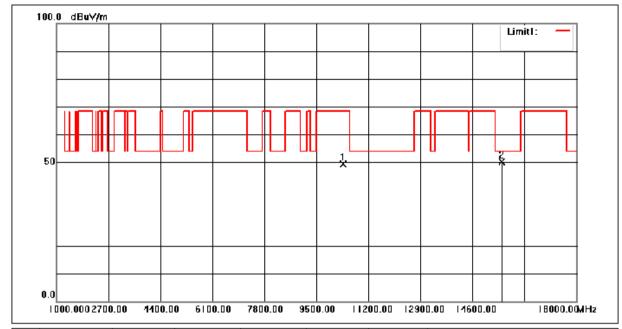
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	49.19	0.20	49.39	68.30	-18.91	peak
2	15570.000	44.28	5.79	50.07	54.00	-3.93	peak



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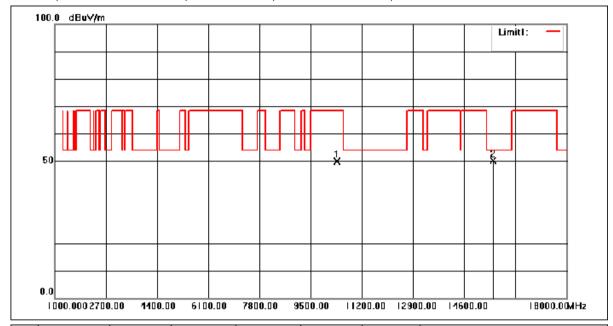
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	49.63	0.20	49.83	68.30	-18.47	peak
2	15570.000	44.42	5.79	50.21	54.00	-3.79	peak



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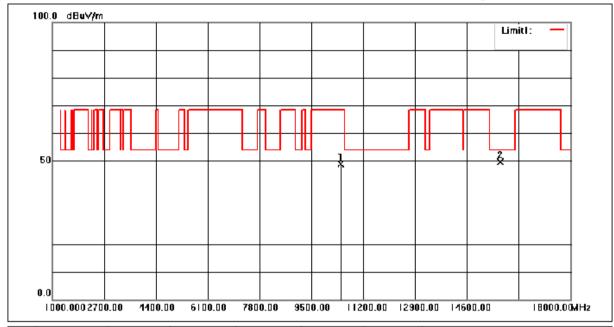
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.61	0.36	48.97	68.30	-19.33	peak
2	15690.000	43.64	6.04	49.68	54.00	-4.32	peak



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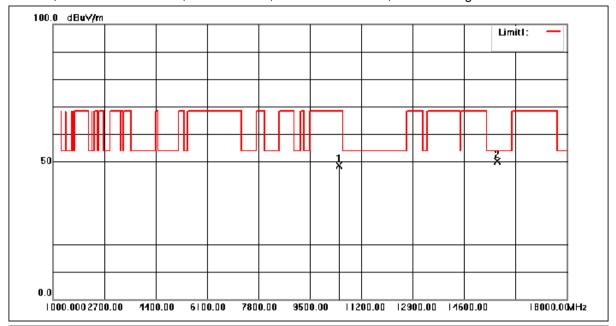
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.33	0.36	48.69	68.30	-19.61	peak
2	15690.000	43.99	6.04	50.03	54.00	-3.97	peak



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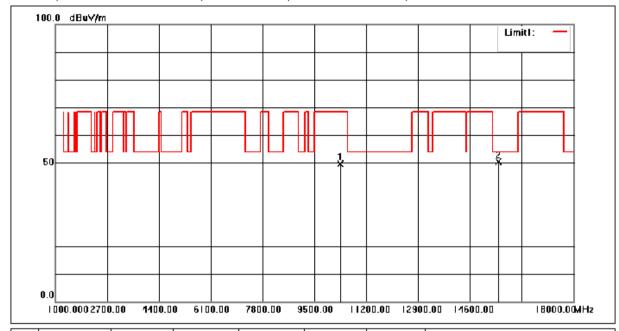
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.52	0.16	49.68	68.30	-18.62	peak
2	15540.000	44.66	5.73	50.39	54.00	-3.61	peak



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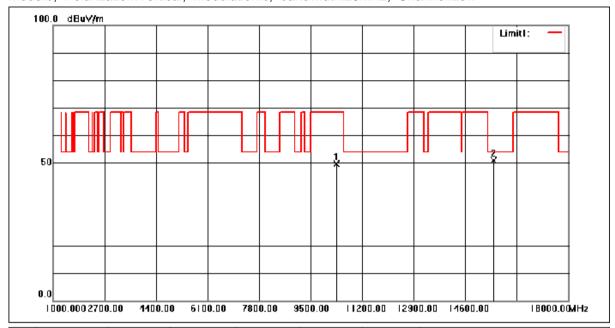
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.51	0.16	49.67	68.30	-18.63	peak
2	15540.000	45.11	5.73	50.84	54.00	-3.16	peak



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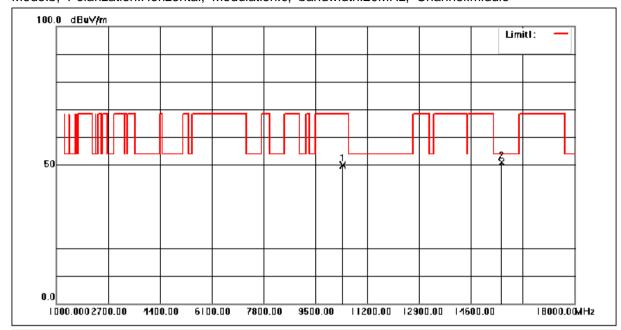
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.64	0.24	49.88	68.30	-18.42	peak
2	15600.000	44.98	5.85	50.83	54.00	-3.17	peak



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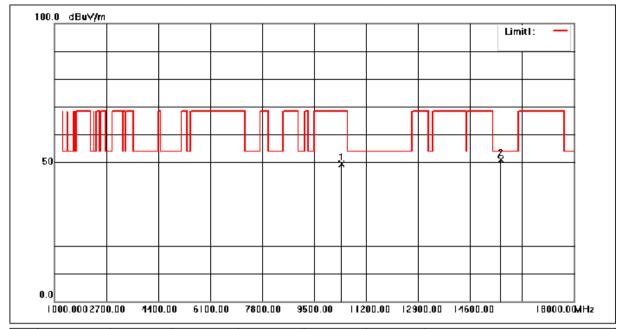
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.14	0.24	49.38	68.30	-18.92	peak
2	15600.000	44.97	5.85	50.82	54.00	-3.18	peak



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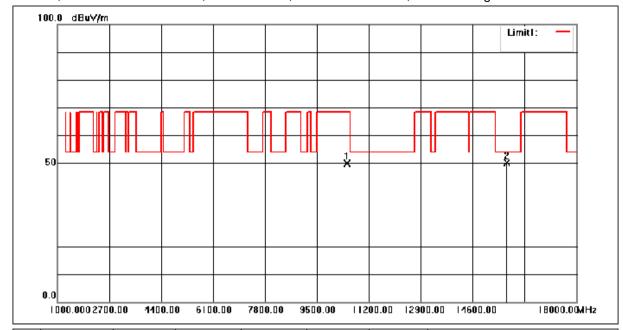
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No	. Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	49.43	0.40	49.83	68.30	-18.47	peak
2	15720.000	43.97	6.10	50.07	54.00	-3.93	peak



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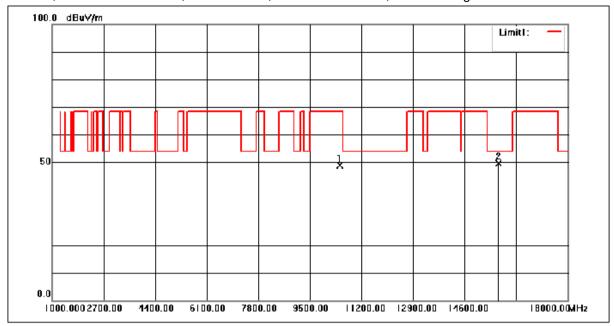
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.45	0.40	48.85	68.30	-19.45	peak
2	15720.000	43.65	6.10	49.75	54.00	-4.25	peak



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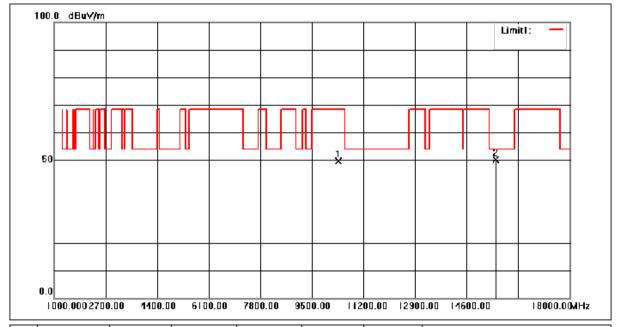
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	49.42	0.20	49.62	68.30	-18.68	peak
2	15570.000	44.30	5.79	50.09	54.00	-3.91	peak



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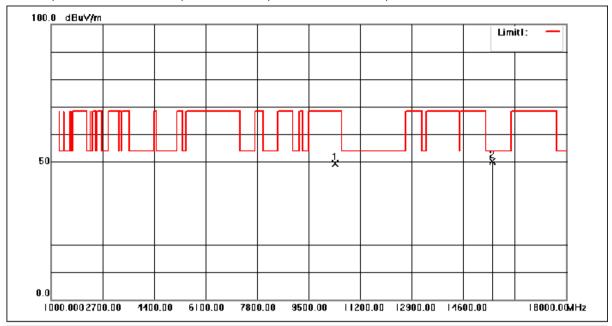
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	49.27	0.20	49.47	68.30	-18.83	peak
2	15570.000	44.23	5.79	50.02	54.00	-3.98	peak



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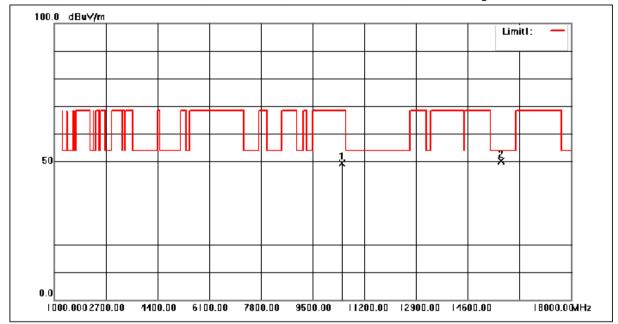
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	9	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	49.02	0.36	49.38	68.30	-18.92	peak
2	15690.000	44.02	6.04	50.06	54.00	-3.94	peak



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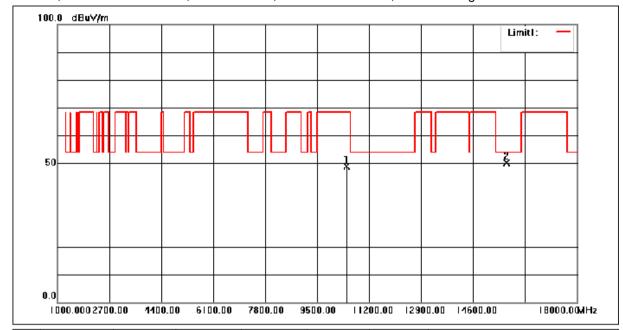
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.52	0.36	48.88	68.30	-19.42	peak
2	15690.000	44.03	6.04	50.07	54.00	-3.93	peak



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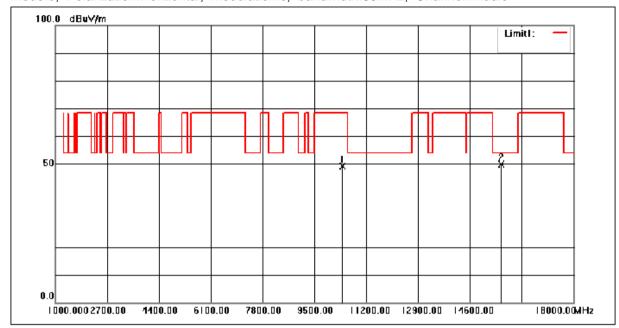
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	10420.000	48.74	0.28	49.02	68.30	-19.28	peak
1	2	15630.000	43.89	5.92	49.81	54.00	-4.19	peak



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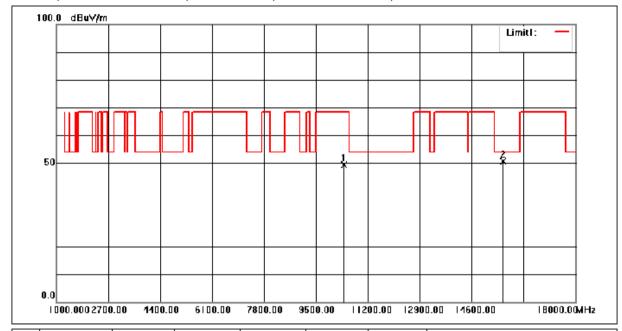
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10420.000	49.05	0.28	49.33	68.30	-18.97	peak
2	15630.000	44.72	5.92	50.64	54.00	-3.36	peak



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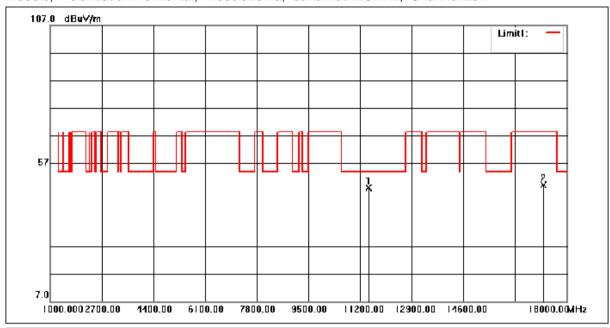
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	47.29	0.94	48.23	54.00	-5.77	peak
2	17235.000	40.11	9.05	49.16	68.30	-19.14	peak



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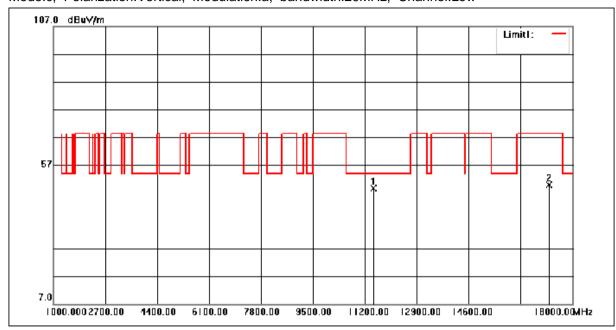
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11490.000	47.63	0.94	48.57	54.00	-5.43	peak
2	17235.000	40.87	9.05	49.92	68.30	-18.38	peak



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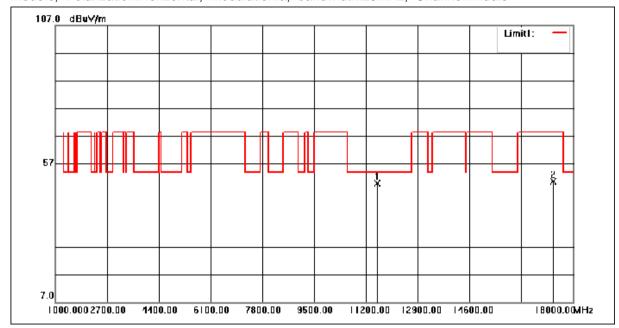
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	48.69	1.18	49.87	54.00	-4.13	peak
2	17355.000	41.55	8.98	50.53	68.30	-17.77	peak



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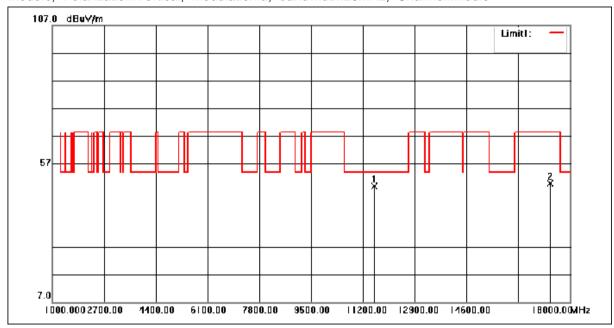
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	47.68	1.18	48.86	54.00	-5.14	peak
2	17355.000	40.95	8.98	49.93	68.30	-18.37	peak



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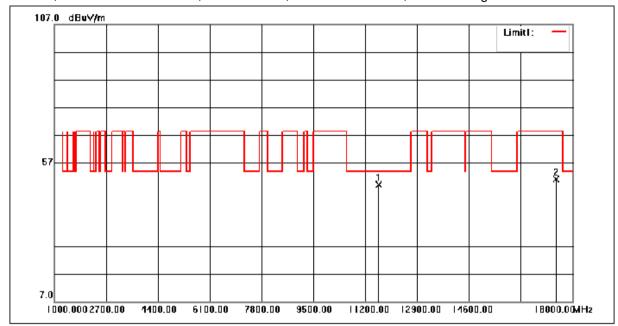
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	47.72	1.45	49.17	54.00	-4.83	peak
2	17475.000	42.31	8.90	51.21	68.30	-17.09	peak



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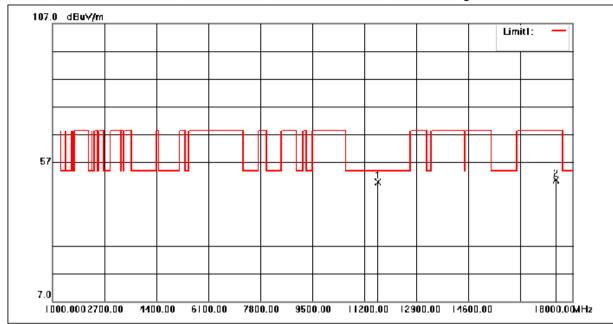
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.38	1.45	49.83	54.00	-4.17	peak
2	17475.000	41.67	8.90	50.57	68.30	-17.73	peak



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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	11490.000	48.08	0.94	49.02	54.00	-4.98	peak
2	17235.000	41.32	9.05	50.37	68.30	-17.93	peak



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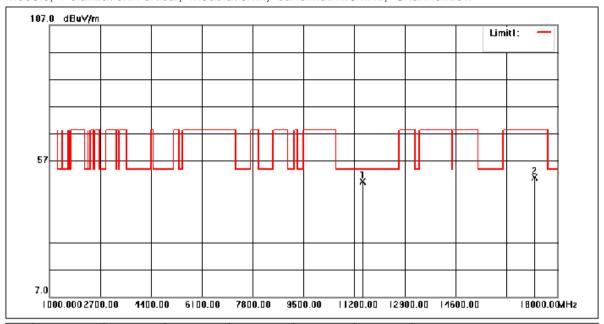
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



1	lo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1		11490.000	48.38	0.94	49.32	54.00	-4.68	peak
2	2	17235.000	41.89	9.05	50.94	68.30	-17.36	peak



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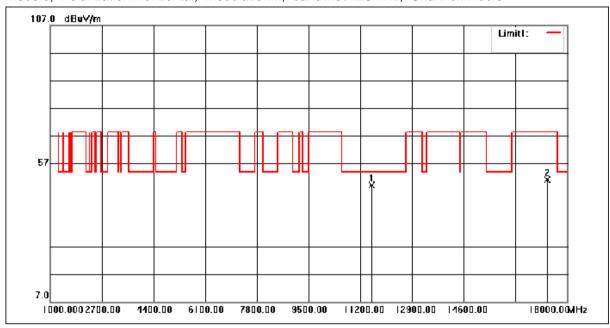
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



N	o. Frequency (MHz)		Correction factor(dB/m)	l	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	47.85	1.18	49.03	54.00	-4.97	peak
2	17355.000	42.13	8.98	51.11	68.30	-17.19	peak



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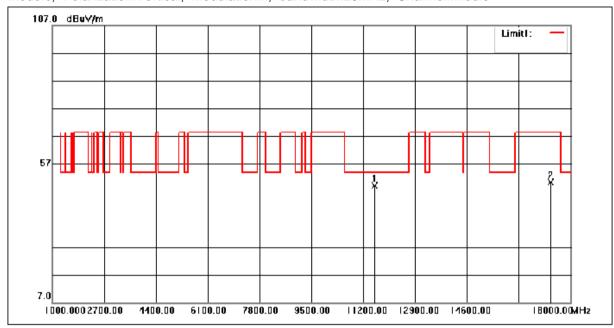
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	47.91	1.18	49.09	54.00	-4.91	peak
2	17355.000	41.37	8.98	50.35	68.30	-17.95	peak



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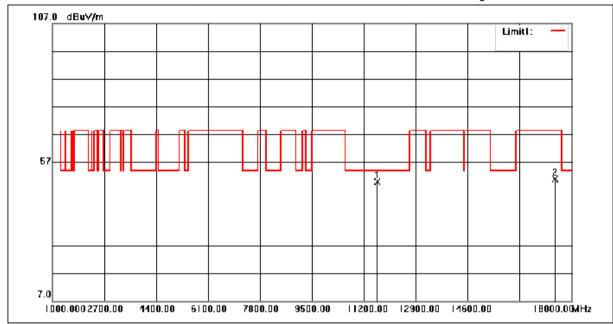
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.41	1.45	49.86	54.00	-4.14	peak
2	17475.000	41.95	8.90	50.85	68.30	-17.45	peak



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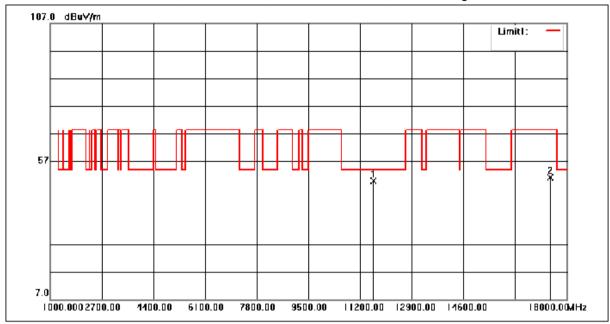
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	11650.000	48.48	1.45	49.93	54.00	-4.07	peak
Ī	2	17475.000	42.12	8.90	51.02	68.30	-17.28	peak



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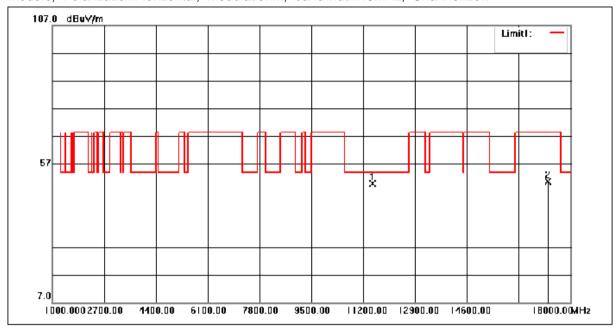
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



N	o. Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	48.82	0.99	49.81	54.00	-4.19	peak
2	17265.000	41.61	9.03	50.64	68.30	-17.66	peak



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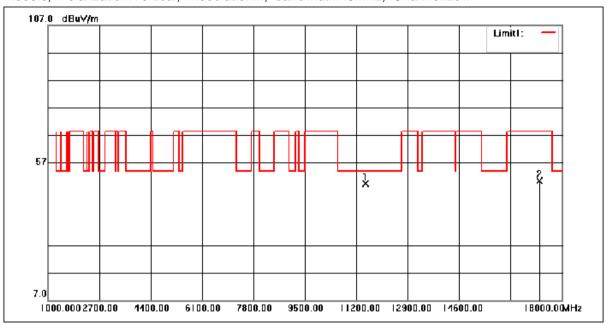
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency		Correction		Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	48.38	0.99	49.37	54.00	-4.63	peak
2	17265.000	41.45	9.03	50.48	68.30	-17.82	peak



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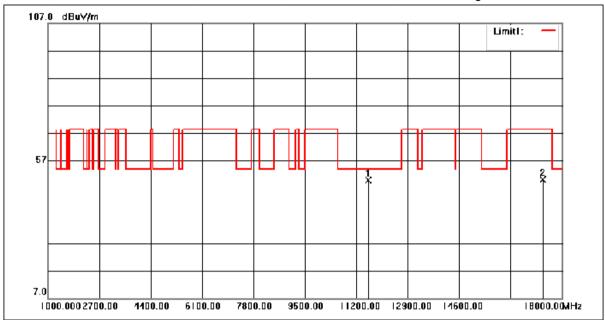
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	48.59	1.25	49.84	54.00	-4.16	peak
2	17385.000	41.25	8.96	50.21	68.30	-18.09	peak



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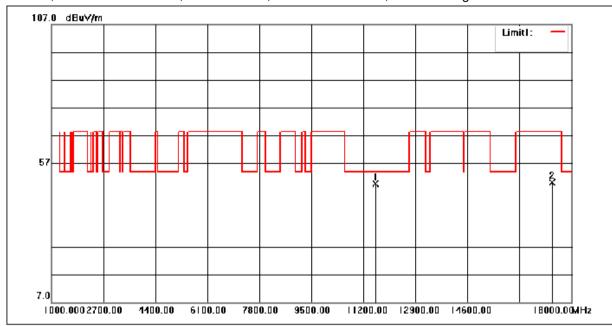
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	48.30	1.25	49.55	54.00	-4.45	peak
2	17385.000	41.26	8.96	50.22	68.30	-18.08	peak



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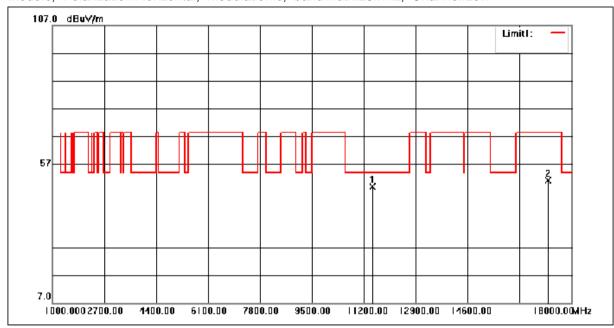
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.01	0.94	48.95	54.00	-5.05	peak
2	17235.000	41.97	9.05	51.02	68.30	-17.28	peak



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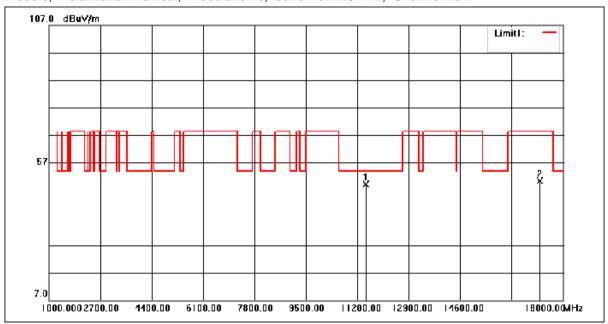
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.13	0.94	49.07	54.00	-4.93	peak
2	17235.000	41.28	9.05	50.33	68.30	-17.97	peak



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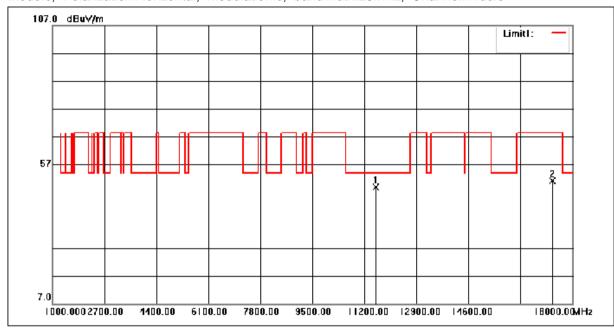
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	47.68	1.18	48.86	54.00	-5.14	peak
2	17355.000	42.05	8.98	51.03	68.30	-17.27	peak



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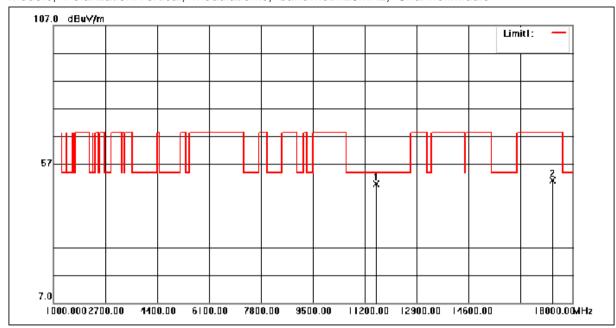
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)		Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.71	1.18	49.89	54.00	-4.11	peak
2	17355.000	42.07	8.98	51.05	68.30	-17.25	peak



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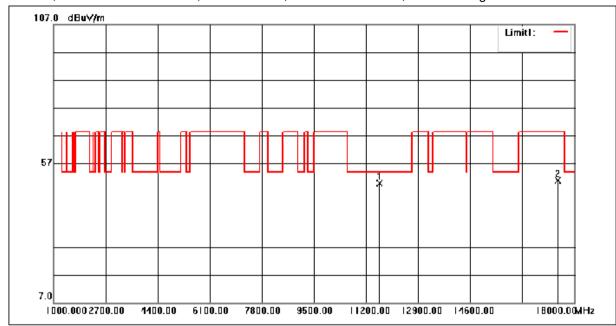
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.40	1.45	49.85	54.00	-4.15	peak
2	17475.000	41.94	8.90	50.84	68.30	-17.46	peak



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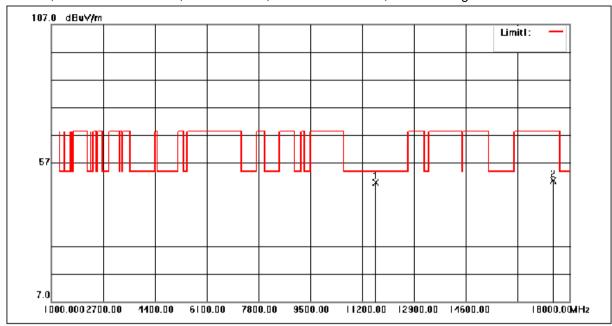
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.31	1.45	49.76	54.00	-4.24	peak
2	17475.000	41.69	8.90	50.59	68.30	-17.71	peak



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Mode:c; 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	48.70	0.99	49.69	54.00	-4.31	peak
2	17265.000	41.98	9.03	51.01	68.30	-17.29	peak



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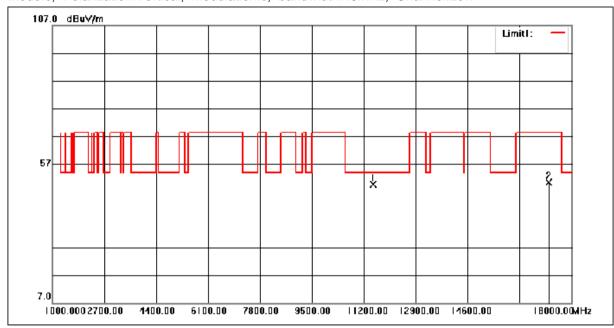
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11510.000	48.64	0.99	49.63	54.00	-4.37	peak
ĺ	2	17265.000	41.34	9.03	50.37	68.30	-17.93	peak



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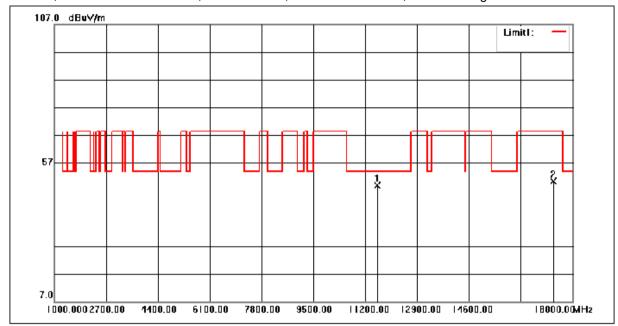
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	47.70	1.25	48.95	54.00	-5.05	peak
2	17385.000	41.44	8.96	50.40	68.30	-17.90	peak



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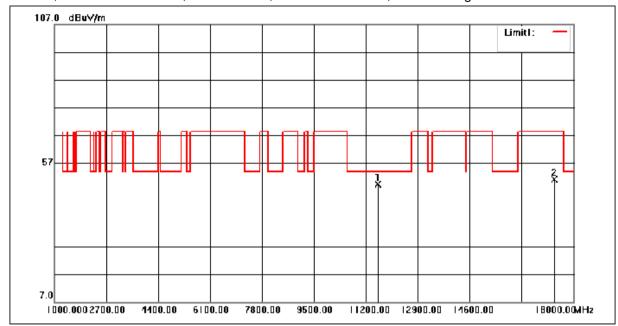
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11590.000	48.04	1.25	49.29	54.00	-4.71	peak
2	17385.000	42.07	8.96	51.03	68.30	-17.27	peak



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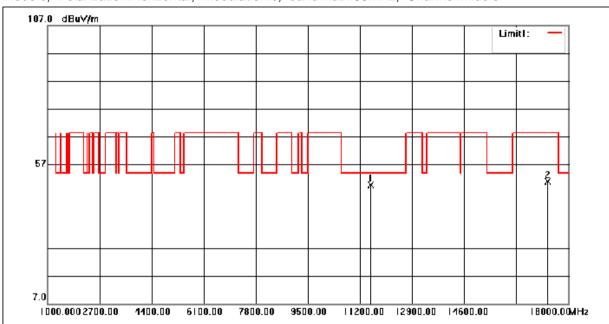
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	48.55	1.12	49.67	54.00	-4.33	peak
2	17325.000	41.86	8.99	50.85	68.30	-17.45	peak



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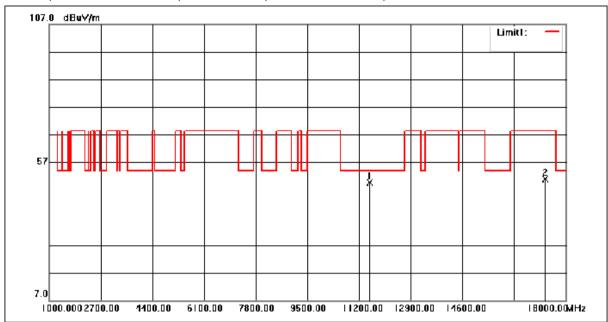
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	48.39	1.12	49.51	54.00	-4.49	peak
2	17325.000	41.85	8.99	50.84	68.30	-17.46	peak



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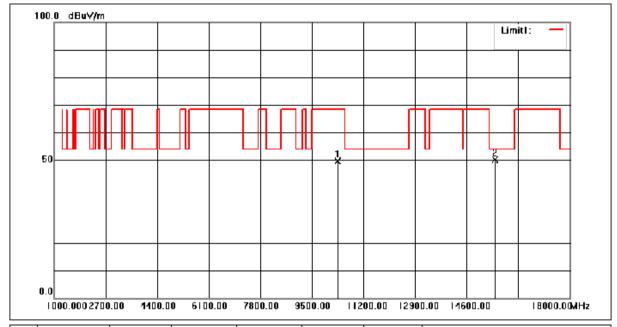
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.42	0.16	49.58	68.30	-18.72	peak
2	15540.000	44.28	5.73	50.01	54.00	-3.99	peak



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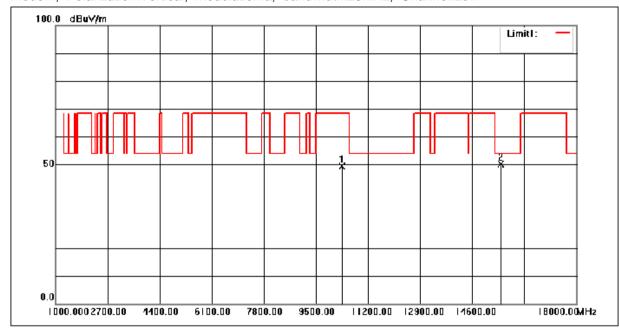
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.22	0.16	49.38	68.30	-18.92	peak
2	15540.000	44.39	5.73	50.12	54.00	-3.88	peak



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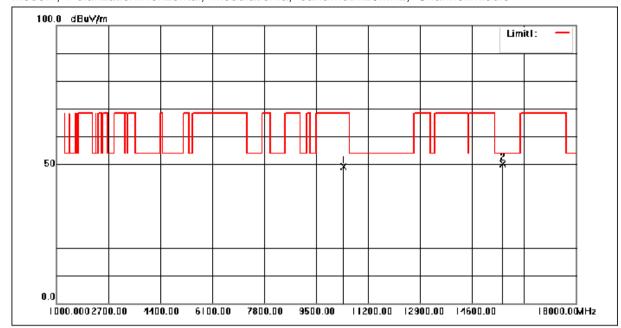
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	48.84	0.24	49.08	68.30	-19.22	peak
2	15600.000	44.40	5.85	50.25	54.00	-3.75	peak



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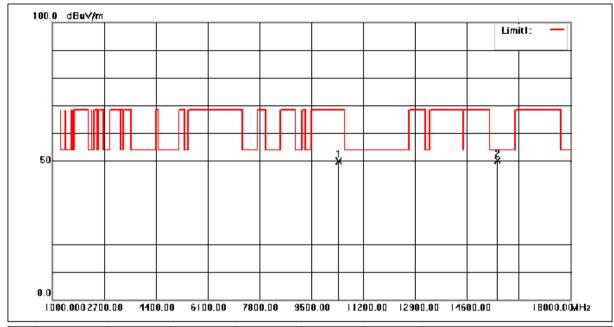
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.68	0.24	49.92	68.30	-18.38	peak
2	15600.000	44.20	5.85	50.05	54.00	-3.95	peak



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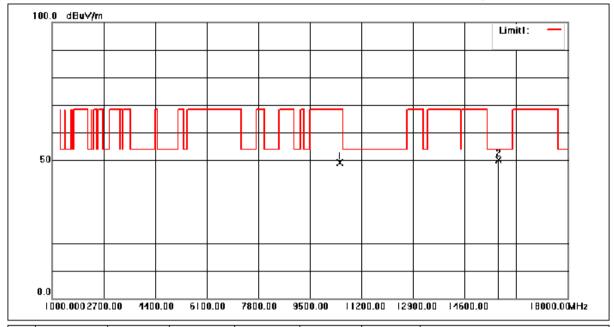
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.85	0.40	49.25	68.30	-19.05	peak
2	15720.000	44.09	6.10	50.19	54.00	-3.81	peak



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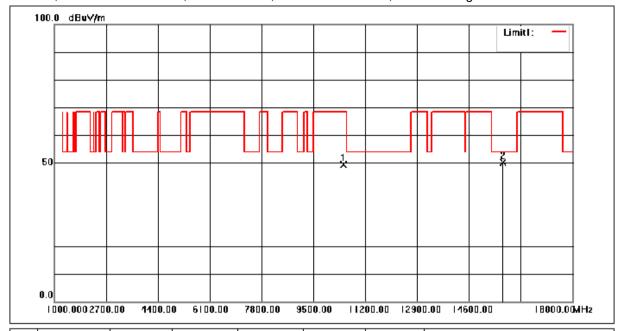
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No	 Frequency 	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	49.07	0.40	49.47	68.30	-18.83	peak
2	15720.000	43.95	6.10	50.05	54.00	-3.95	peak



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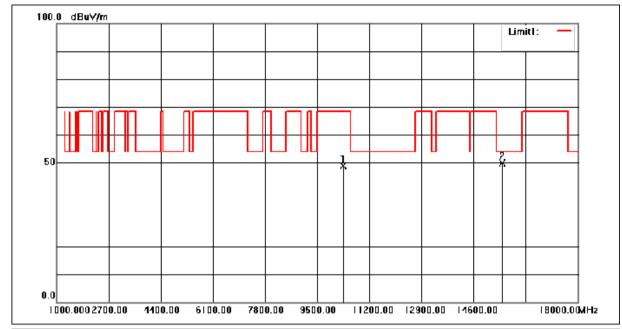
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	48.73	0.16	48.89	68.30	-19.41	peak
2	15540.000	44.24	5.73	49.97	54.00	-4.03	peak



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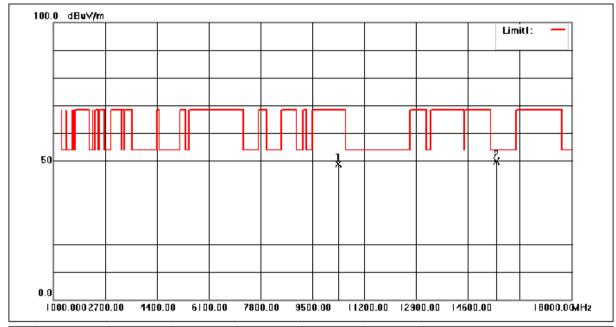
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	48.70	0.16	48.86	68.30	-19.44	peak
2	15540.000	44.06	5.73	49.79	54.00	-4.21	peak



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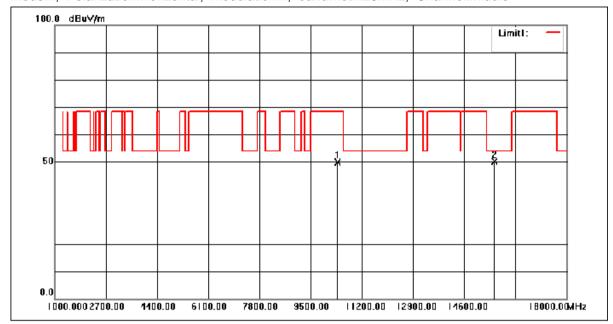
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	10400.000	49.61	0.24	49.85	68.30	-18.45	peak
	2	15600.000	44.18	5.85	50.03	54.00	-3.97	peak



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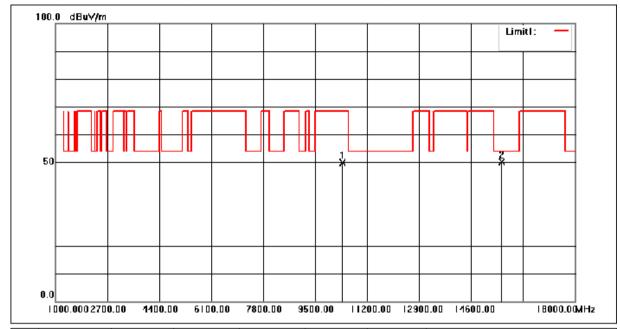
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.68	0.24	49.92	68.30	-18.38	peak
2	15600.000	44.22	5.85	50.07	54.00	-3.93	peak



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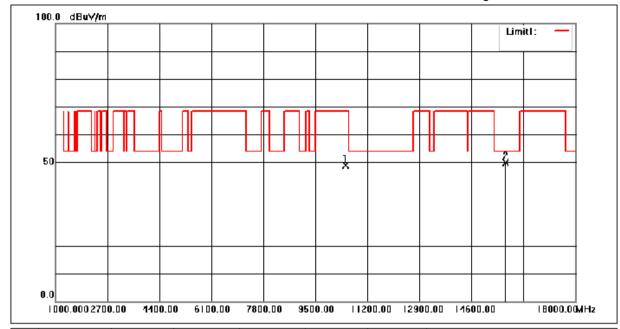
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.46	0.40	48.86	68.30	-19.44	peak
2	15720.000	43.81	6.10	49.91	54.00	-4.09	peak



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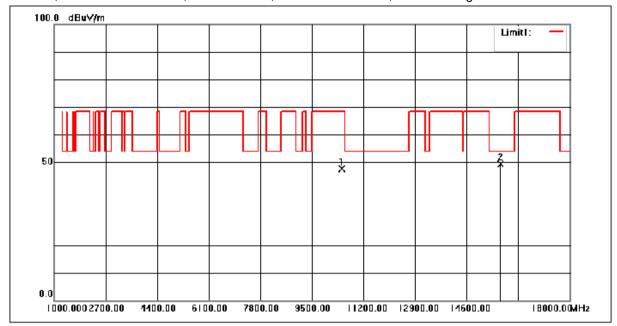
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	47.19	0.40	47.59	68.30	-20.71	peak
2	15720.000	43.27	6.10	49.37	54.00	-4.63	peak



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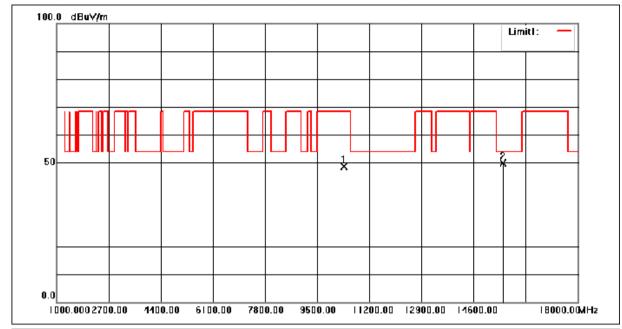
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	48.47	0.20	48.67	68.30	-19.63	peak
2	15570.000	44.07	5.79	49.86	54.00	-4.14	peak



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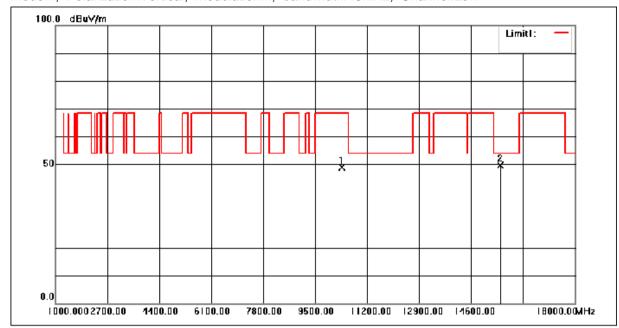
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	48.78	0.20	48.98	68.30	-19.32	peak
2	15570.000	43.96	5.79	49.75	54.00	-4.25	peak



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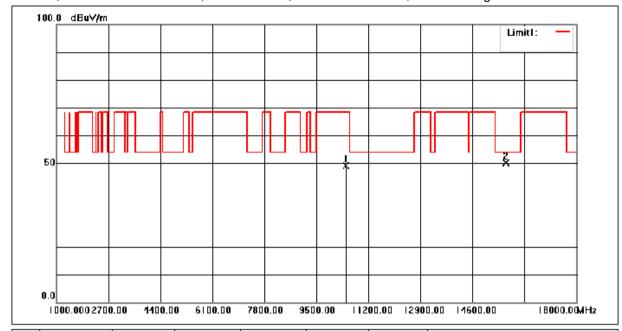
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.77	0.36	49.13	68.30	-19.17	peak
2	15690.000	44.05	6.04	50.09	54.00	-3.91	peak



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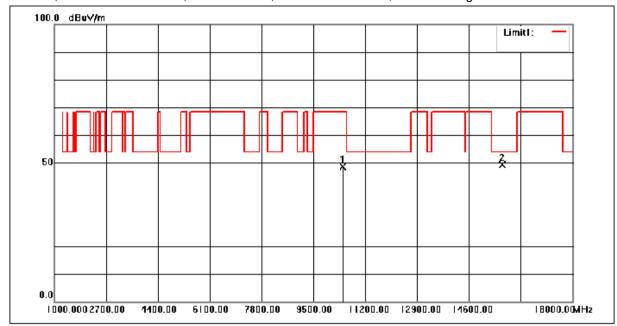
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.33	0.36	48.69	68.30	-19.61	peak
2	15690.000	43.34	6.04	49.38	54.00	-4.62	peak



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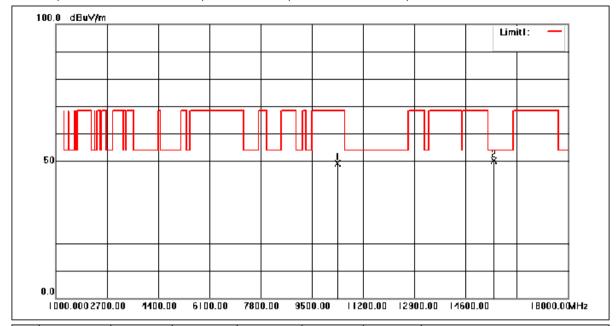
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No	. Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	48.87	0.16	49.03	68.30	-19.27	peak
2	15540.000	44.48	5.73	50.21	54.00	-3.79	peak



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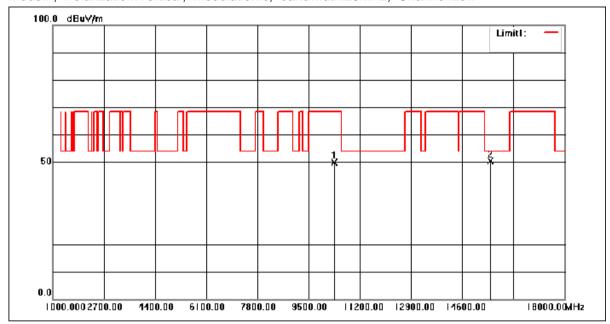
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10360.000	49.69	0.16	49.85	68.30	-18.45	peak
2	15540.000	44.61	5.73	50.34	54.00	-3.66	peak



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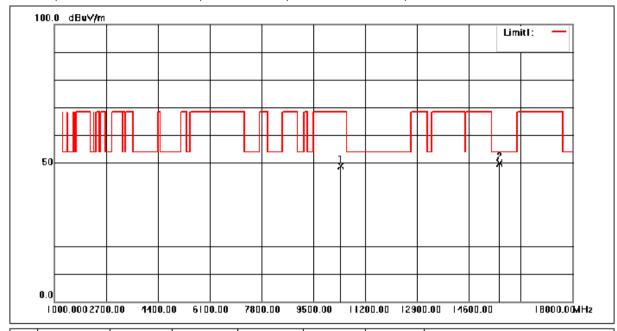
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Γ	1	10400.000	48.58	0.24	48.82	68.30	-19.48	peak
	2	15600.000	44.08	5.85	49.93	54.00	-4.07	peak



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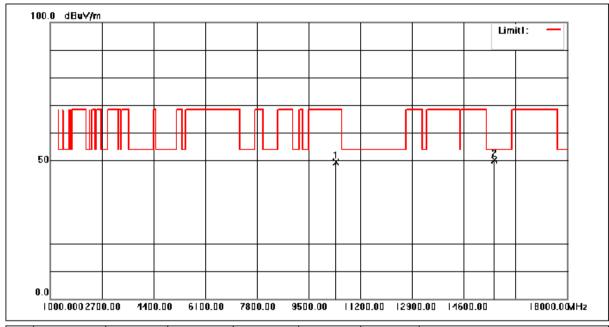
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10400.000	49.22	0.24	49.46	68.30	-18.84	peak
2	15600.000	44.26	5.85	50.11	54.00	-3.89	peak



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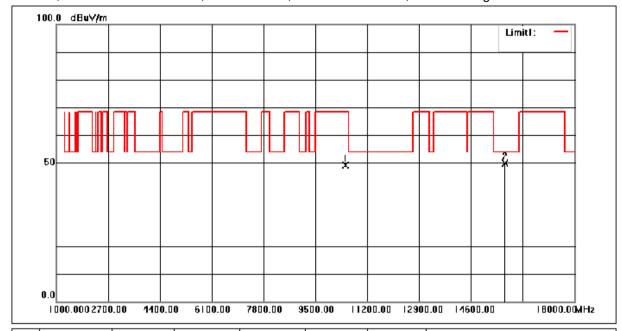
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



	Vo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
,	1	10480.000	48.67	0.40	49.07	68.30	-19.23	peak
2	2	15720.000	43.89	6.10	49.99	54.00	-4.01	peak



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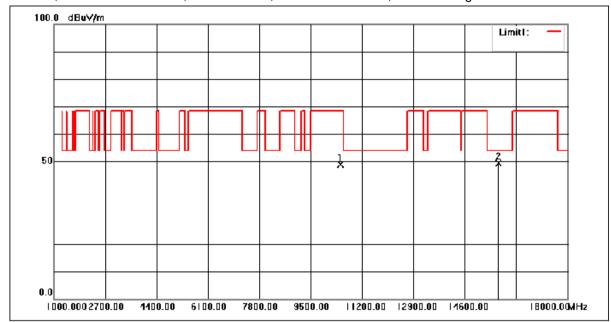
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10480.000	48.39	0.40	48.79	68.30	-19.51	peak
2	15720.000	43.22	6.10	49.32	54.00	-4.68	peak



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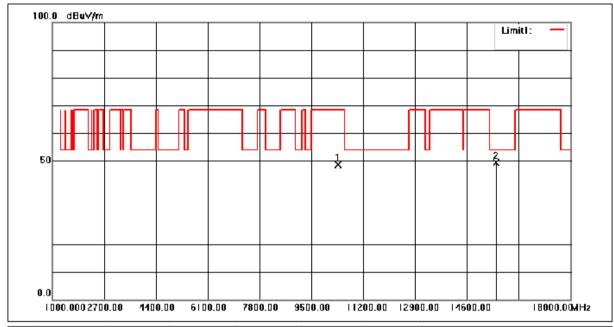
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10380.000	48.42	0.20	48.62	68.30	-19.68	peak
2	15570.000	43.51	5.79	49.30	54.00	-4.70	peak



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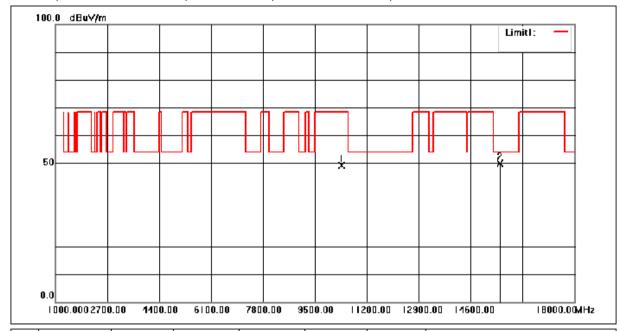
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	10380.000	48.82	0.20	49.02	68.30	-19.28	peak
ľ	2	15570.000	44.02	5.79	49.81	54.00	-4.19	peak



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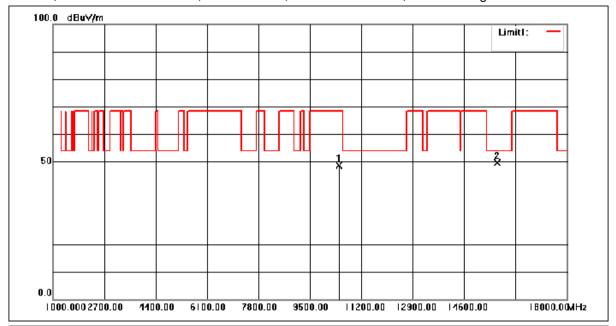
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.21	0.36	48.57	68.30	-19.73	peak
2	15690.000	43.59	6.04	49.63	54.00	-4.37	peak



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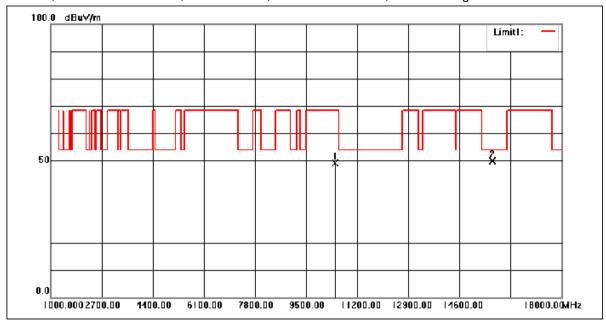
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10460.000	48.65	0.36	49.01	68.30	-19.29	peak
2	15690.000	43.84	6.04	49.88	54.00	-4.12	peak



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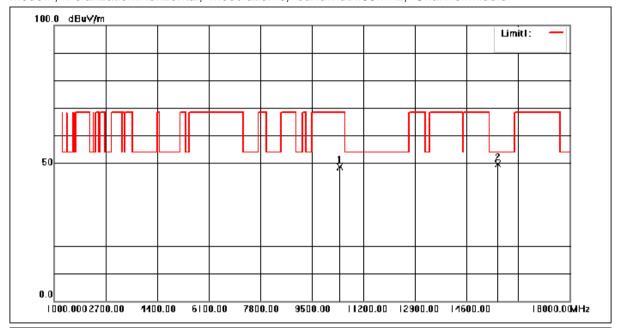
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	10420.000	48.24	0.28	48.52	68.30	-19.78	peak
	2	15630.000	43.74	5.92	49.66	54.00	-4.34	peak



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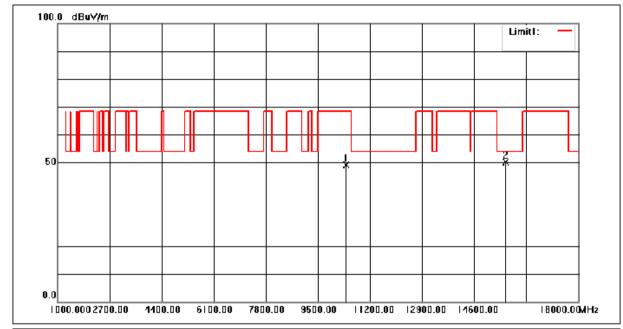
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10420.000	48.79	0.28	49.07	68.30	-19.23	peak
2	15630.000	44.19	5.92	50.11	54.00	-3.89	peak



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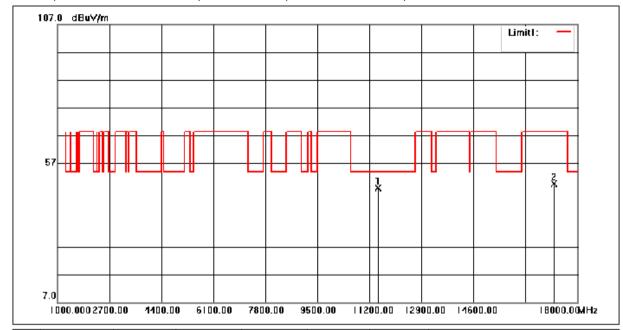
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Mode:i; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	47.07	0.94	48.01	54.00	-5.99	peak
2	17235.000	40.70	9.05	49.75	68.30	-18.55	peak



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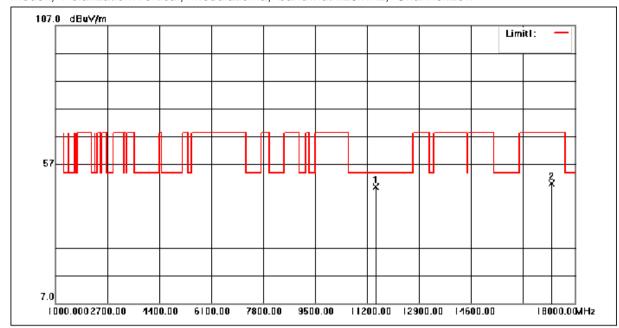
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Mode:i; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.05	0.94	48.99	54.00	-5.01	peak
2	17235.000	41.15	9.05	50.20	68.30	-18.10	peak



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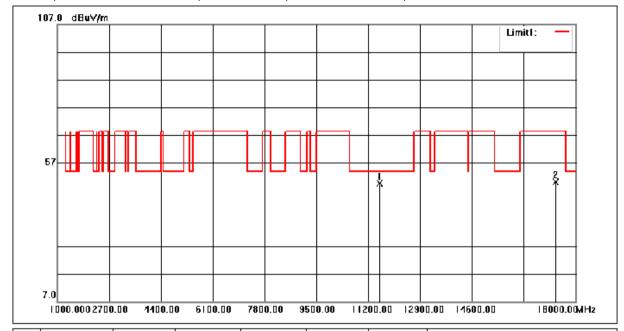
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Mode:i; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:middle



1	Vo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
•	1	11570.000	48.45	1.18	49.63	54.00	-4.37	peak
2	2	17355.000	41.27	8.98	50.25	68.30	-18.05	peak



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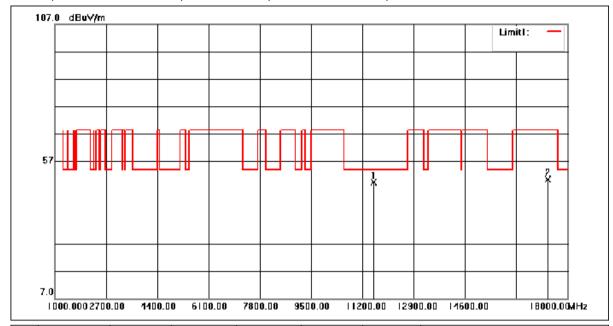
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Mode:i; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	48.16	1.18	49.34	54.00	-4.66	peak
2	17355.000	41.45	8.98	50.43	68.30	-17.87	peak



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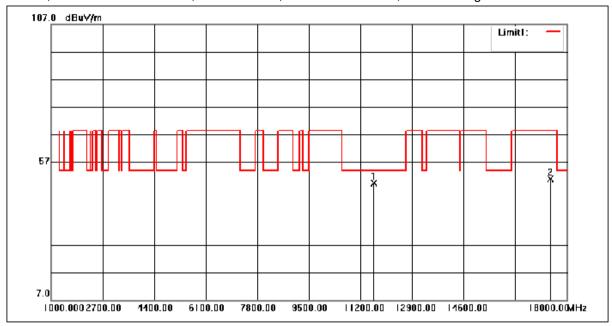
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Mode:i; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	47.93	1.45	49.38	54.00	-4.62	peak
2	17475.000	42.01	8.90	50.91	68.30	-17.39	peak



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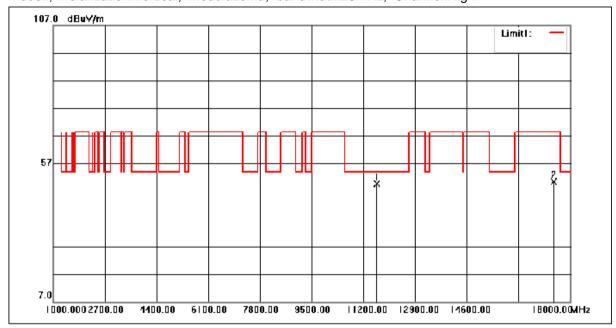
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Mode:i; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.23	1.45	49.68	54.00	-4.32	peak
2	17475.000	41.49	8.90	50.39	68.30	-17.91	peak



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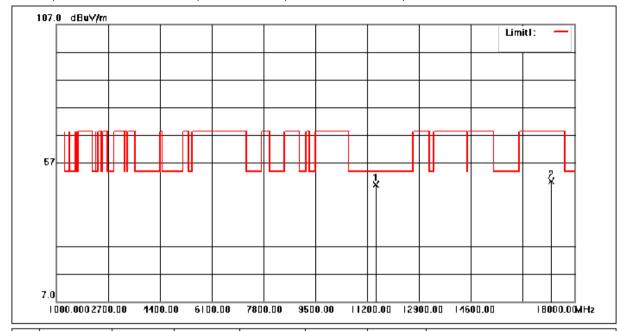
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.07	0.94	49.01	54.00	-4.99	peak
2	17235.000	41.26	9.05	50.31	68.30	-17.99	peak



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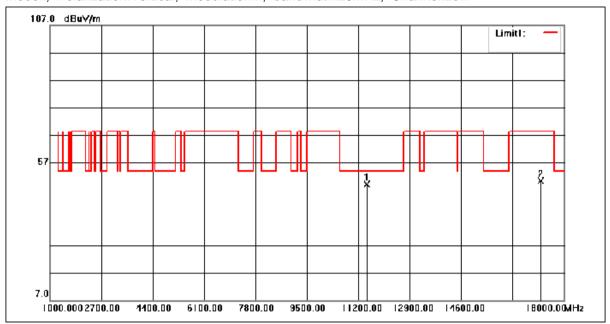
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.19	0.94	49.13	54.00	-4.87	peak
2	17235.000	41.30	9.05	50.35	68.30	-17.95	peak



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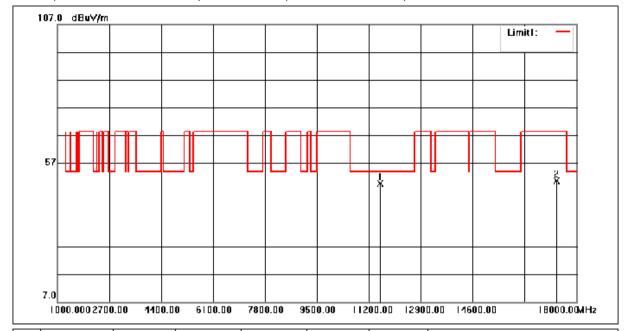
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11570.000	48.42	1.18	49.60	54.00	-4.40	peak
ĺ	2	17355.000	41.53	8.98	50.51	68.30	-17.79	peak



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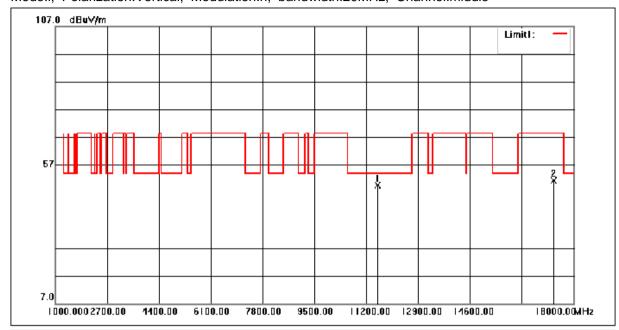
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Mode:i; Polarization: Vertical; Modulation:n; bandwidth: 20MHz; Channel: middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	48.37	1.18	49.55	54.00	-4.45	peak
2	17355.000	42.29	8.98	51.27	68.30	-17.03	peak



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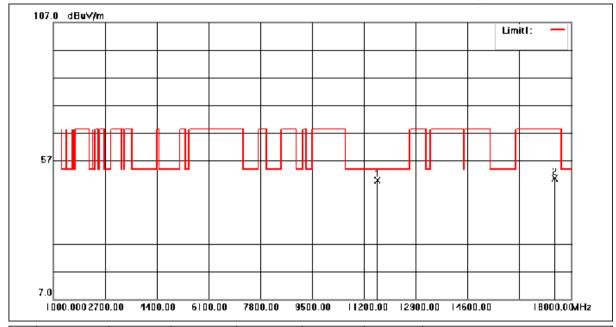
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	48.53	1.45	49.98	54.00	-4.02	peak
2	17475.000	41.71	8.90	50.61	68.30	-17.69	peak



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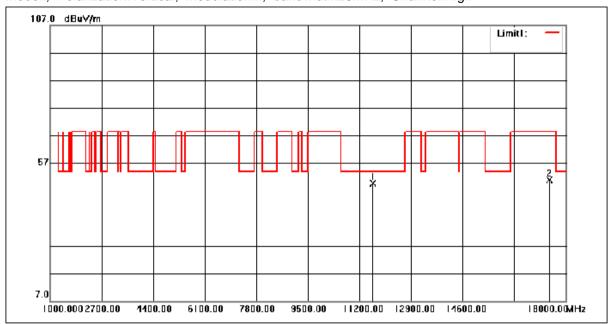
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.12	1.45	49.57	54.00	-4.43	peak
2	17475.000	42.04	8.90	50.94	68.30	-17.36	peak



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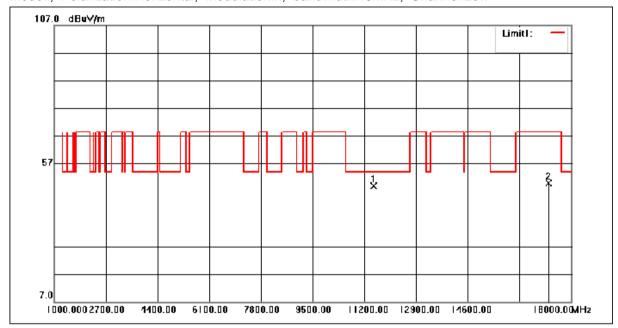
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	9	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11510.000	47.96	0.99	48.95	54.00	-5.05	peak
2	17265.000	40.76	9.03	49.79	68.30	-18.51	peak



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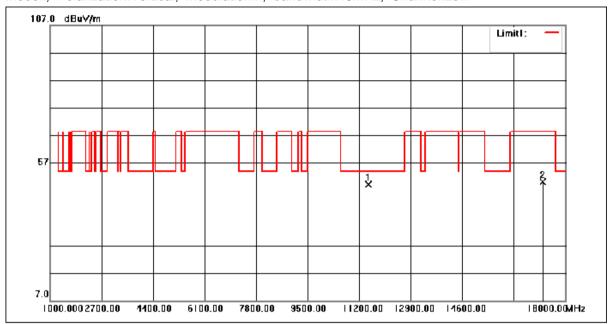
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	48.09	0.99	49.08	54.00	-4.92	peak
2	17265.000	41.19	9.03	50.22	68.30	-18.08	peak



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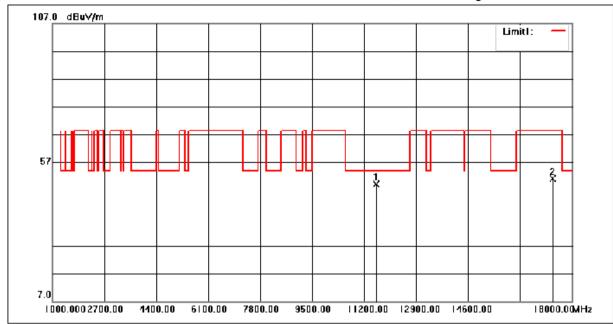
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	47.97	1.25	49.22	54.00	-4.78	peak
2	17385.000	42.09	8.96	51.05	68.30	-17.25	peak



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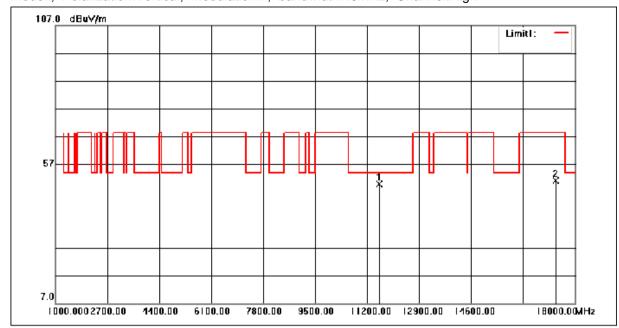
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	48.62	1.25	49.87	54.00	-4.13	peak
2	17385.000	42.13	8.96	51.09	68.30	-17.21	peak



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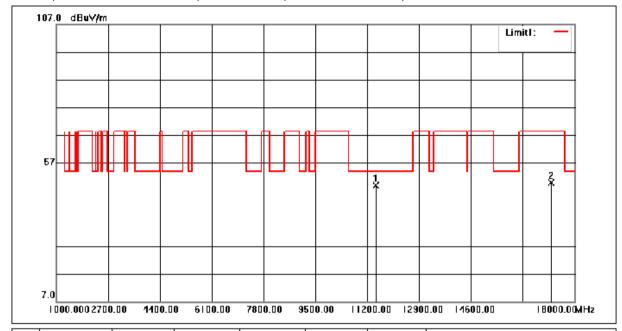
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11490.000	48.03	0.94	48.97	54.00	-5.03	peak
2	17235.000	40.87	9.05	49.92	68.30	-18.38	peak



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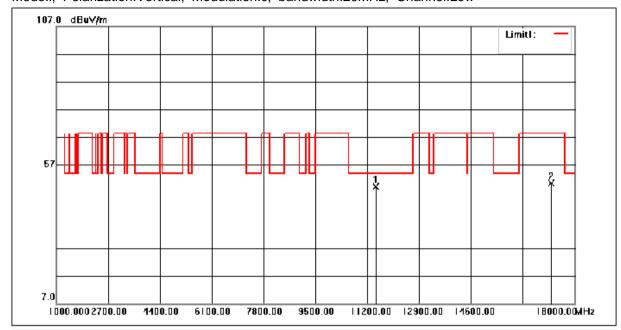
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



	Vo.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11490.000	48.21	0.94	49.15	54.00	-4.85	peak
2	2	17235.000	41.29	9.05	50.34	68.30	-17.96	peak



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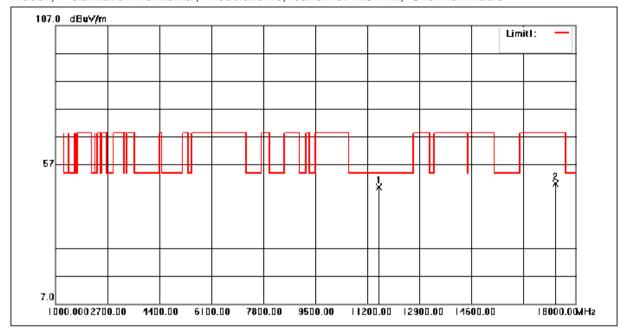
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11570.000	47.77	1.18	48.95	54.00	-5.05	peak
2	17355.000	41.06	8.98	50.04	68.30	-18.26	peak



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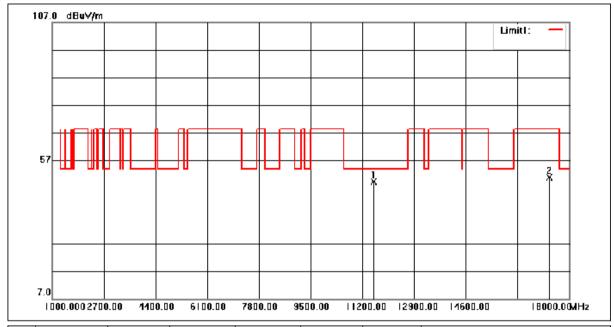
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:middle



No.	Frequency (MHz)	9	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11570.000	48.12	1.18	49.30	54.00	-4.70	peak
2	17355.000	41.88	8.98	50.86	68.30	-17.44	peak



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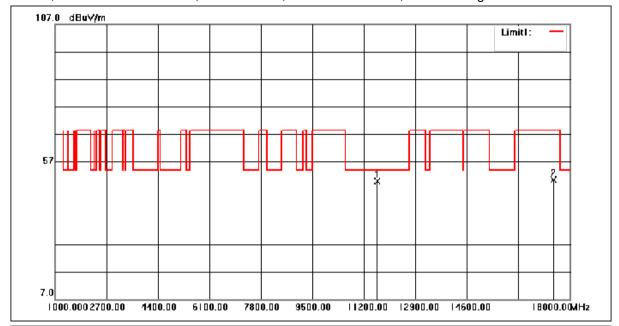
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	_	Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	11650.000	48.47	1.45	49.92	54.00	-4.08	peak
2	17475.000	41.49	8.90	50.39	68.30	-17.91	peak



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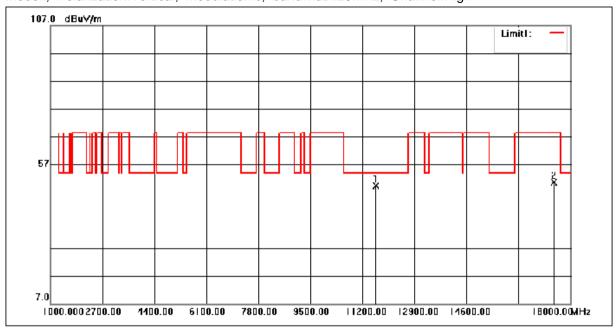
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11650.000	47.87	1.45	49.32	54.00	-4.68	peak
2	17475.000	41.79	8.90	50.69	68.30	-17.61	peak



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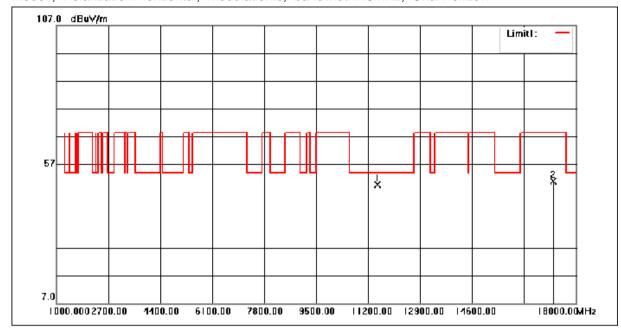
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	48.52	0.99	49.51	54.00	-4.49	peak
2	17265.000	41.86	9.03	50.89	68.30	-17.41	peak



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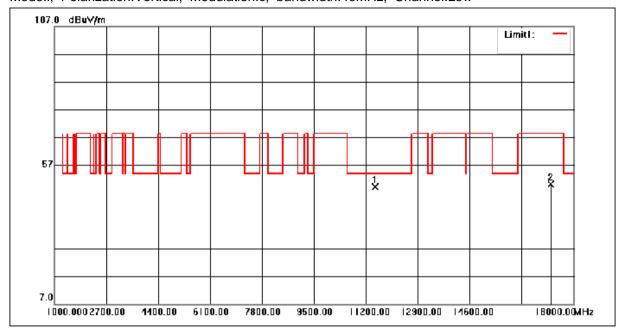
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Mode:i; Polarization: Vertical; Modulation:c; bandwidth: 40MHz; Channel: Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11510.000	48.20	0.99	49.19	54.00	-4.81	peak
2	17265.000	41.04	9.03	50.07	68.30	-18.23	peak



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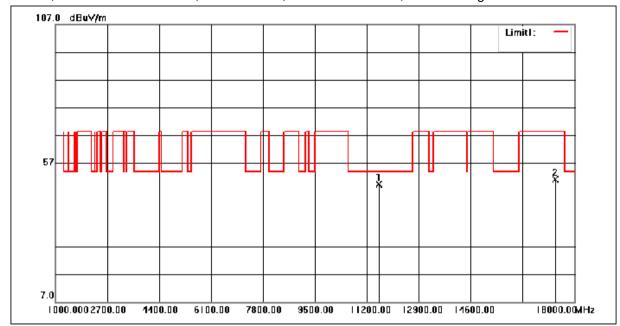
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	11590.000	48.11	1.25	49.36	54.00	-4.64	peak
Ī	2	17385.000	42.15	8.96	51.11	68.30	-17.19	peak



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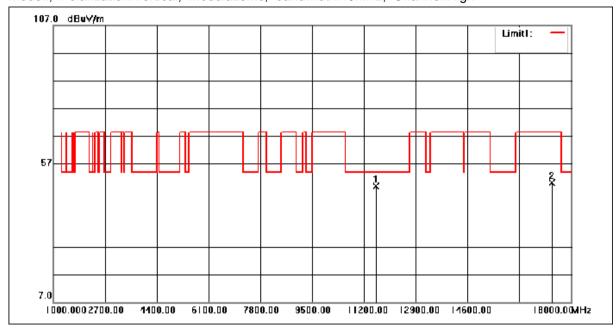
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11590.000	47.57	1.25	48.82	54.00	-5.18	peak
2	17385.000	41.11	8.96	50.07	68.30	-18.23	peak



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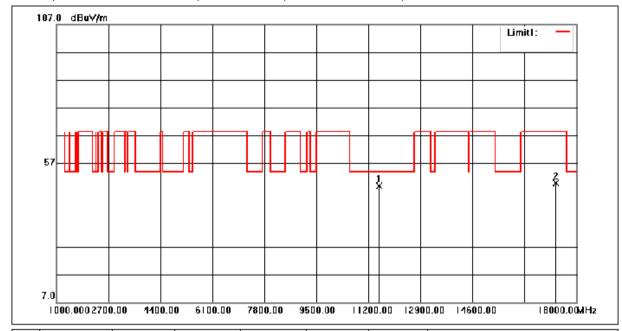
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	47.81	1.12	48.93	54.00	-5.07	peak
2	17325.000	40.98	8.99	49.97	68.30	-18.33	peak



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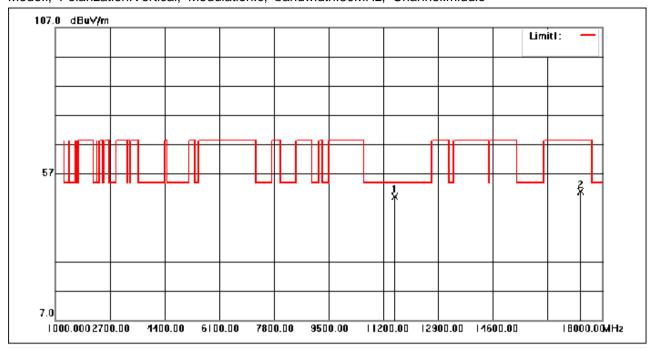
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Mode:i; Polarization: Vertical; Modulation:c; bandwidth: 80MHz; Channel: middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11550.000	47.90	1.12	49.02	54.00	-4.98	peak
2	17325.000	41.89	8.99	50.88	68.30	-17.42	peak



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7.8 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.

7.8.1 E.U.T. Operation

Operating Environment:

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

b:Module MT7668 TX mode (Band 1)_Keep the EUT in continuously

Pretest these modes to find the worst case:

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:Module MT7668 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. h:Module RTI 8812CII mode (Band 1) Keep the EIIT in continuously

h:Module RTL8812CU 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.

i:Module RTL8812CU mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation



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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(VHT40). Only the data of worst case is recorded in the report.

The worst case for final test:

b:Module MT7668 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(VHT40). Only the data of worst case is recorded in the report.

c:Module MT7668 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(VHT40). Only the data of worst case is recorded in the report.

h:Module RTL8812CU 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(VHT40). Only the data of worst case is recorded in the report.

i:Module RTL8812CU 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(VHT40). Only the data of worst case is recorded in the report.



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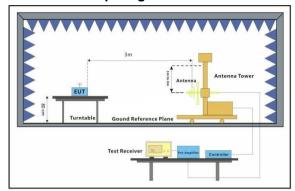
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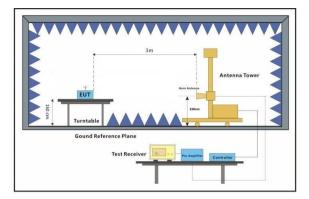


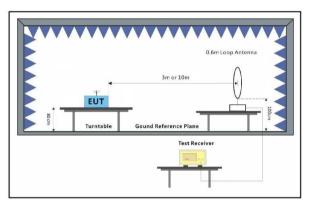
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7.8.2 Test Setup Diagram









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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.
- i. Repeat above procedures until all frequencies measured was complete.

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

Remark: 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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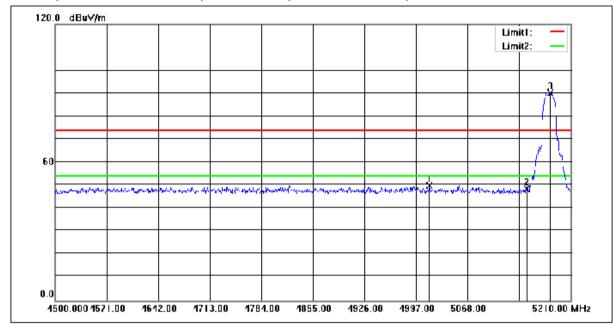


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Above 1GHz

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	5015.460	58.16	-8.15	50.01	74.00	-23.99	peak
2	5150.000	56.26	-7.84	48.42	74.00	-25.58	peak
3	5181.600	97.80	-7.77	90.03	74.00	16.03	peak



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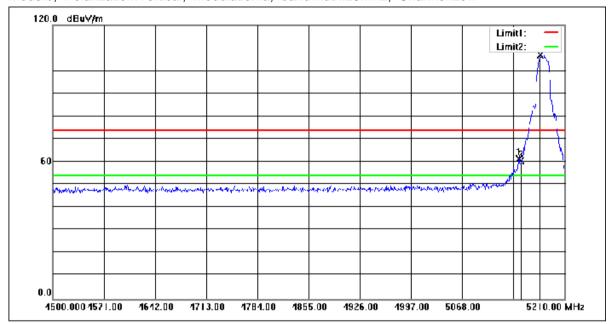
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.810	69.08	-7.85	61.23	74.00	-12.77	peak
2	5150.000	68.29	-7.84	60.45	74.00	-13.55	peak
3	5175.920	114.61	-7.78	106.83	74.00	32.83	peak



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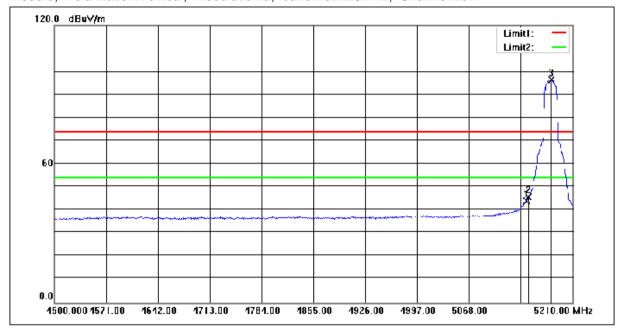
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Mode:b; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.810	51.83	-7.85	43.98	54.00	-10.02	AVG
2	5150.000	53.57	-7.84	45.73	54.00	-8.27	AVG
3	5180.890	104.37	-7.77	96.60	54.00	42.60	AVG



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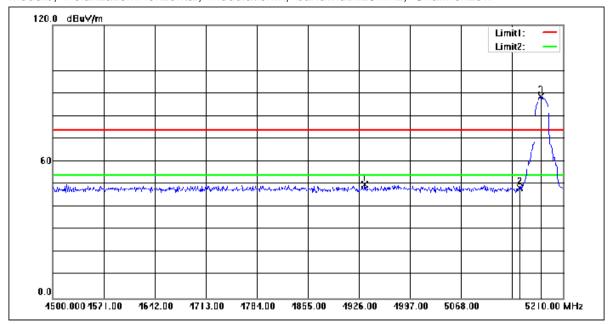
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4933.810	58.40	-8.41	49.99	74.00	-24.01	peak
2	5150.000	56.20	-7.84	48.36	74.00	-25.64	peak
3	5179.470	96.30	-7.77	88.53	74.00	14.53	peak



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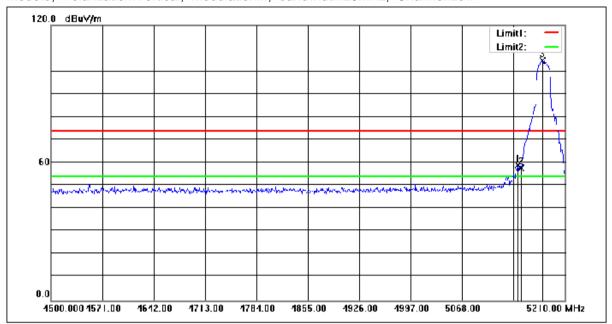
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.680	66.89	-7.85	59.04	74.00	-14.96	peak
2	5150.000	65.53	-7.84	57.69	74.00	-16.31	peak
3	5178.760	112.35	-7.78	104.57	74.00	30.57	peak



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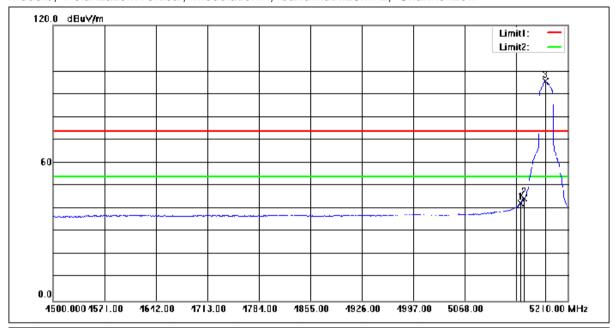
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.390	50.20	-7.85	42.35	54.00	-11.65	AVG
2	5150.000	52.53	-7.84	44.69	54.00	-9.31	AVG
3	5178.760	103.27	-7.78	95.49	54.00	41.49	AVG



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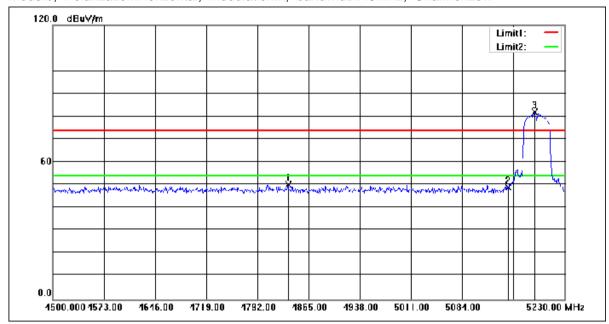
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Mode:b; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4835.800	59.12	-8.74	50.38	74.00	-23.62	peak
2	5150.000	56.78	-7.84	48.94	74.00	-25.06	peak
3	5187.660	89.84	-7.76	82.08	74.00	8.08	peak



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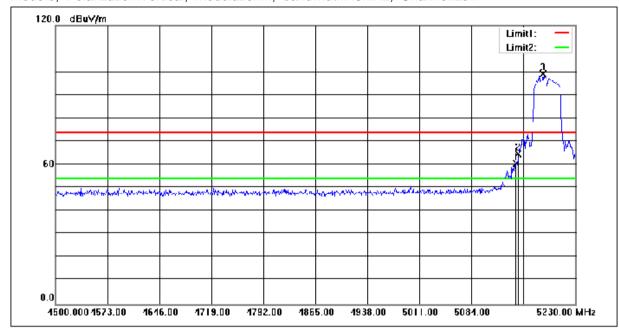
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.780	68.16	-7.85	60.31	74.00	-13.69	peak
2	5150.000	72.52	-7.84	64.68	74.00	-9.32	peak
3	5184.740	106.79	-7.76	99.03	74.00	25.03	peak



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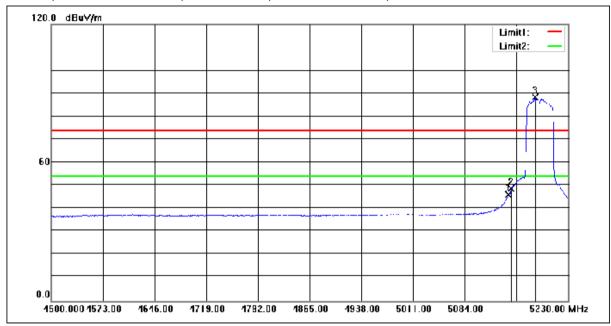
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Mode:b; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5146.050	53.86	-7.85	46.01	54.00	-7.99	AVG
2	5150.000	56.59	-7.84	48.75	54.00	-5.25	AVG
3	5183.280	96.25	-7.76	88.49	54.00	34.49	AVG



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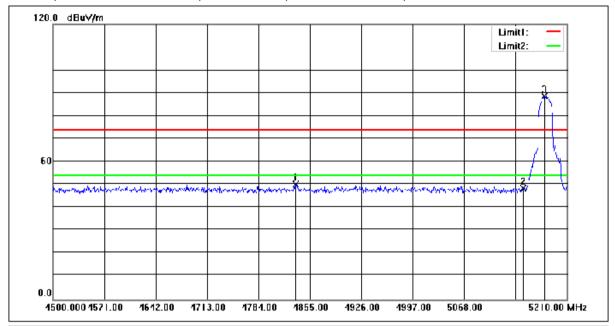
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4835.120	58.90	-8.75	50.15	74.00	-23.85	peak
2	5150.000	56.26	-7.84	48.42	74.00	-25.58	peak
3	5179.470	96.48	-7.77	88.71	74.00	14.71	peak



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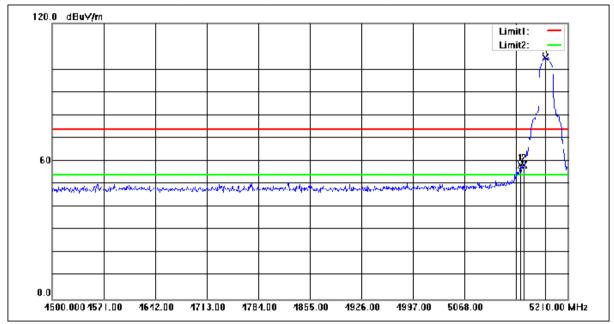
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
	(1711 12)	(ubuv)	lactor(ub/iii)	(uDu v/III)	(ubu v/III)	(ub)	
1	5144.680	66.28	-7.85	58.43	74.00	-15.57	peak
2	5150.000	66.14	-7.84	58.30	74.00	-15.70	peak
3	5178.760	112.88	-7.78	105.10	74.00	31.10	peak



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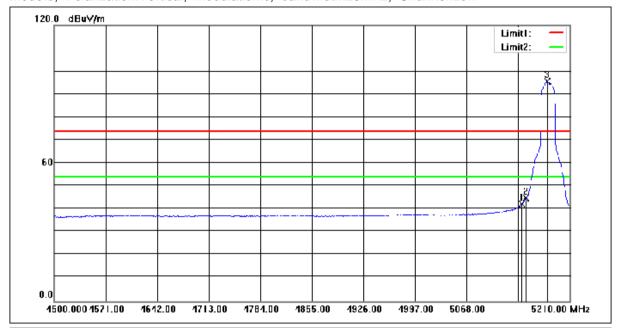
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5143.970	50.01	-7.86	42.15	54.00	-11.85	AVG
2	5150.000	52.67	-7.84	44.83	54.00	-9.17	AVG
3	5178.760	103.48	-7.78	95.70	54.00	41.70	AVG



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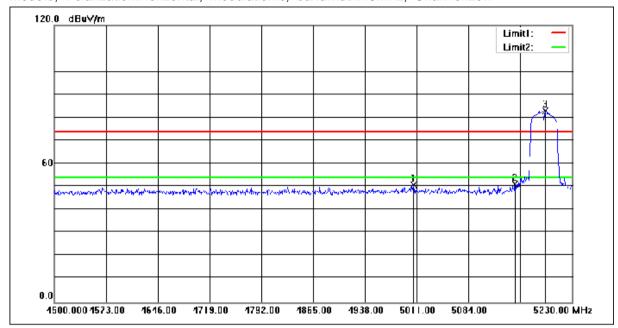
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5006.620	58.90	-8.16	50.74	74.00	-23.26	peak
2	5150.000	58.86	-7.84	51.02	74.00	-22.98	peak
3	5192.770	90.74	-7.75	82.99	74.00	8.99	peak



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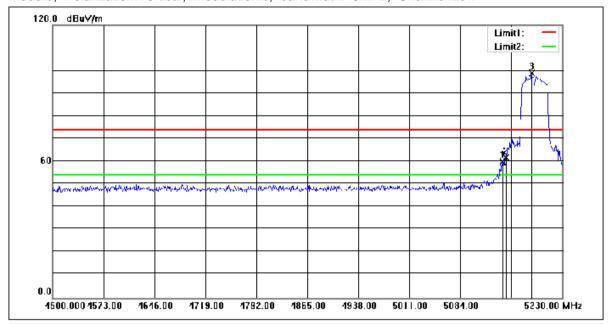
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5144.590	67.59	-7.85	59.74	74.00	-14.26	peak
2	5150.000	69.41	-7.84	61.57	74.00	-12.43	peak
3	5186.200	106.48	-7.77	98.71	74.00	24.71	peak



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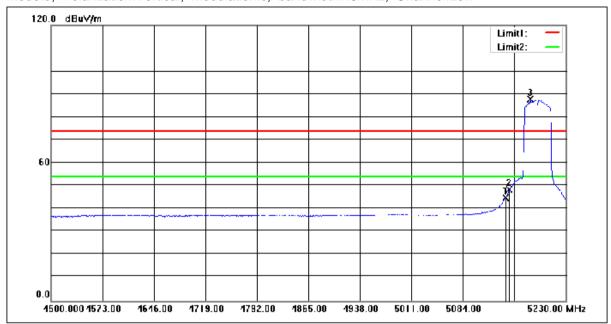
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5144.590	52.76	-7.85	44.91	54.00	-9.09	AVG
2	5150.000	56.38	-7.84	48.54	54.00	-5.46	AVG
3	5179.630	95.40	-7.77	87.63	54.00	33.63	AVG



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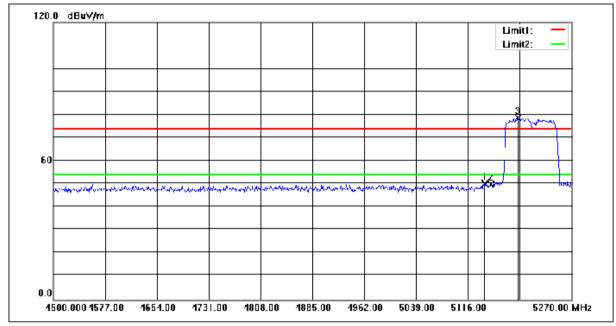
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Mode:b; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5141.410	58.02	-7.86	50.16	74.00	-23.84	peak
2	5150.000	57.78	-7.84	49.94	74.00	-24.06	peak
3	5190.690	86.43	-7.75	78.68	74.00	4.68	peak



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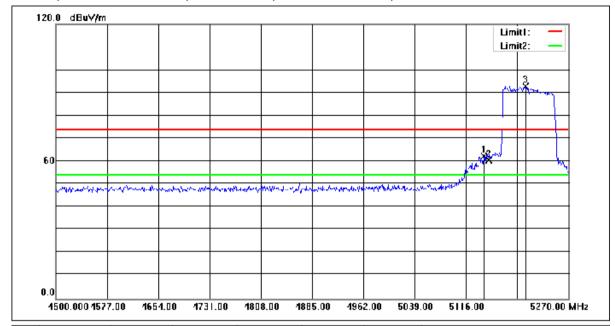
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5142.950	70.09	-7.86	62.23	74.00	-11.77	peak
2	5150.000	68.44	-7.84	60.60	74.00	-13.40	peak
3	5206.090	100.68	-7.71	92.97	74.00	18.97	peak



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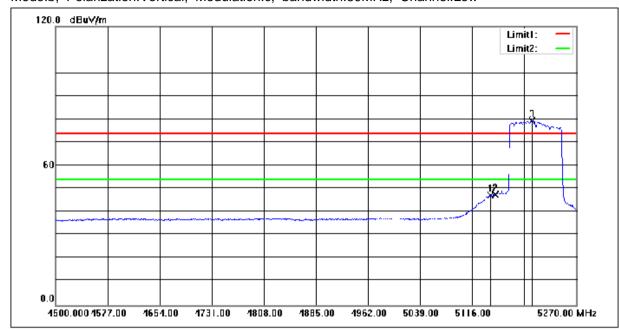
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Mode:b; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5142.950	55.05	-7.86	47.19	54.00	-6.81	AVG
2	5150.000	55.32	-7.84	47.48	54.00	-6.52	AVG
3	5204.550	86.95	-7.71	79.24	54.00	25.24	AVG



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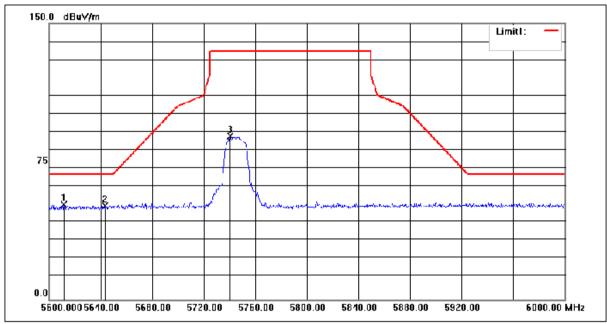
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
	(IVI□Z)	(abuv)	lactor(db/m)	(abuv/m)	(abuv/m)	(dB)	
1	5611.200	58.43	-6.94	51.49	68.20	-16.71	peak
2	5643.200	57.86	-6.86	51.00	68.20	-17.20	peak
3	5740.400	95.19	-6.61	88.58	135.00	-46.42	peak



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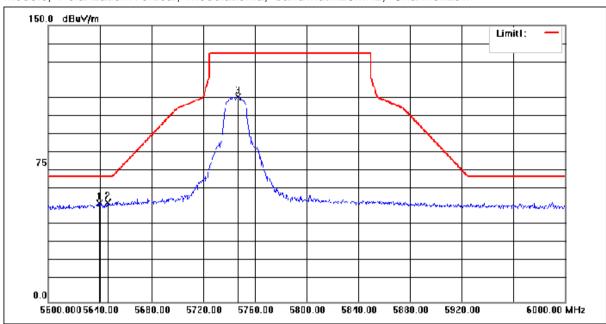
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5639.600	60.43	-6.87	53.56	68.20	-14.64	peak
2	5646.000	60.56	-6.85	53.71	68.20	-14.49	peak
3	5746.800	117.84	-6.60	111.24	135.00	-23.76	peak



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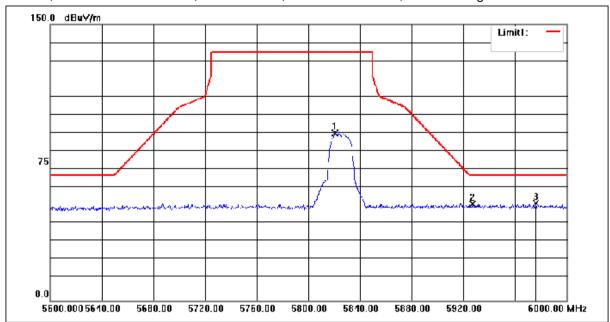
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Mode:c; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5820.400	97.28	-6.35	90.93	135.00	-44.07	peak
2	5927.200	58.17	-5.77	52.40	68.20	-15.80	peak
3	5976.400	58.05	-5.49	52.56	68.20	-15.64	peak



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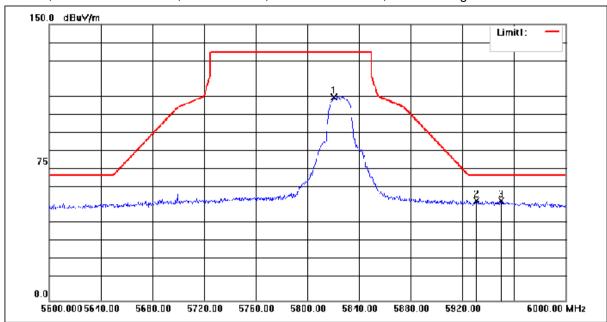
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Mode:c; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)		Limit (dBuV/m)	Margin (dB)	Remark
1	5820.400	116.79	-6.35	110.44	135.00	-24.56	peak
2	5930.800	59.85	-5.74	54.11	68.20	-14.09	peak
3	5950.000	59.68	-5.64	54.04	68.20	-14.16	peak



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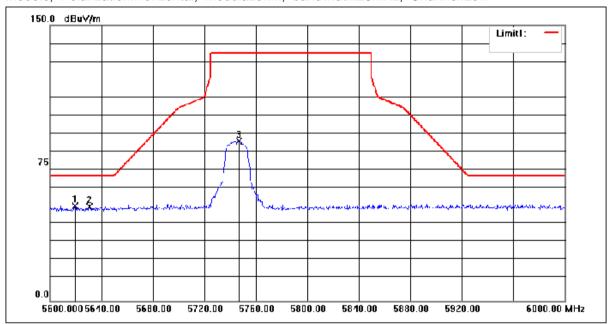
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5619.200	58.67	-6.92	51.75	68.20	-16.45	peak
2	5630.800	58.07	-6.89	51.18	68.20	-17.02	peak
3	5746.800	93.47	-6.60	86.87	135.00	-48.13	peak



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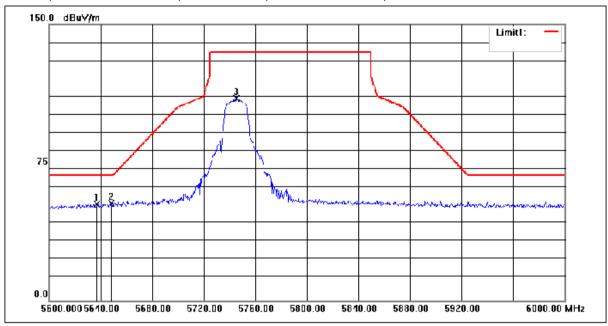
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5637.200	59.27	-6.87	52.40	68.20	-15.80	peak
2	5648.400	59.50	-6.85	52.65	68.20	-15.55	peak
3	5745.200	116.20	-6.60	109.60	135.00	-25.40	peak



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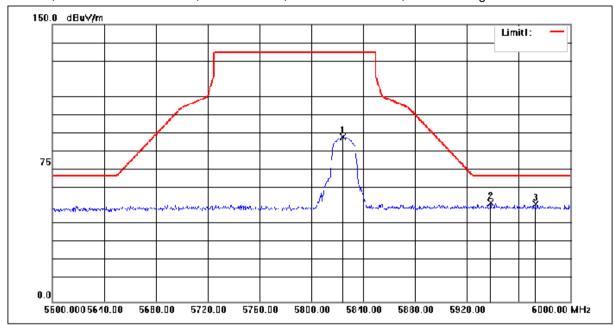
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5824.000	95.29	-6.32	88.97	135.00	-46.03	peak
2	5938.400	59.15	-5.70	53.45	68.20	-14.75	peak
3	5972.800	58.23	-5.51	52.72	68.20	-15.48	peak



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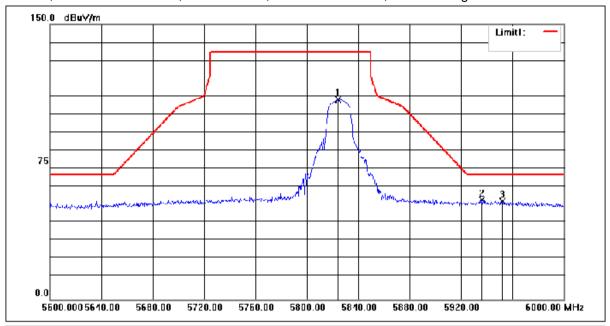
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5824.000	115.39	-6.32	109.07	135.00	-25.93	peak
2	5936.400	59.87	-5.71	54.16	68.20	-14.04	peak
3	5952.000	59.13	-5.62	53.51	68.20	-14.69	peak



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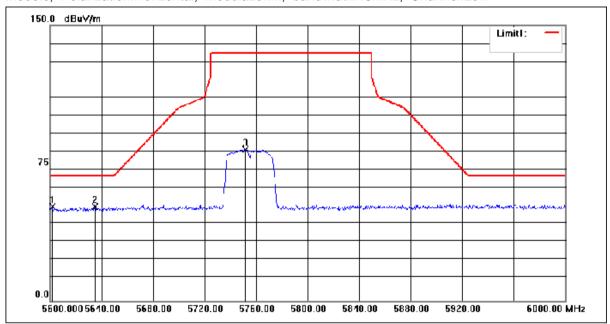
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5601.600	58.11	-6.97	51.14	68.20	-17.06	peak
2	5634.800	58.01	-6.88	51.13	68.20	-17.07	peak
3	5751.600	88.73	-6.58	82.15	135.00	-52.85	peak



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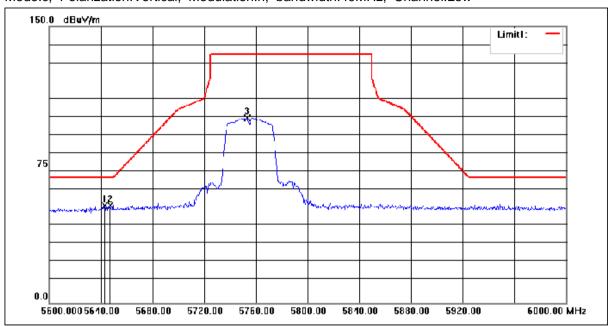
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5642.800	59.38	-6.87	52.51	68.20	-15.69	peak
2	5647.200	59.50	-6.85	52.65	68.20	-15.55	peak
3	5753.200	106.94	-6.58	100.36	135.00	-34.64	peak



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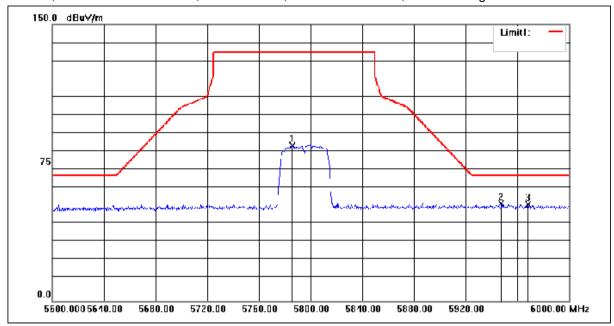
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Mode:c; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5786.000	90.75	-6.49	84.26	135.00	-50.74	peak
2	5947.600	58.24	-5.65	52.59	68.20	-15.61	peak
3	5968.400	57.93	-5.53	52.40	68.20	-15.80	peak



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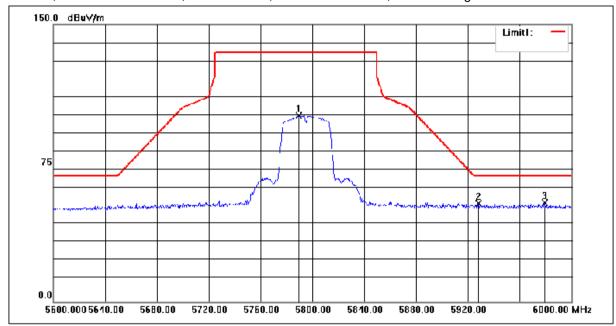
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Mode:c; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5789.600	107.11	-6.49	100.62	135.00	-34.38	peak
2	5928.400	58.87	-5.76	53.11	68.20	-15.09	peak
3	5979.200	58.79	-5.47	53.32	68.20	-14.88	peak



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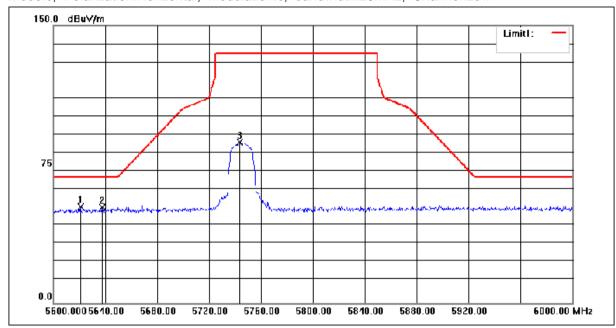
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5620.800	58.83	-6.92	51.91	68.20	-16.29	peak
2	5637.600	58.39	-6.87	51.52	68.20	-16.68	peak
3	5743.600	93.26	-6.60	86.66	135.00	-48.34	peak



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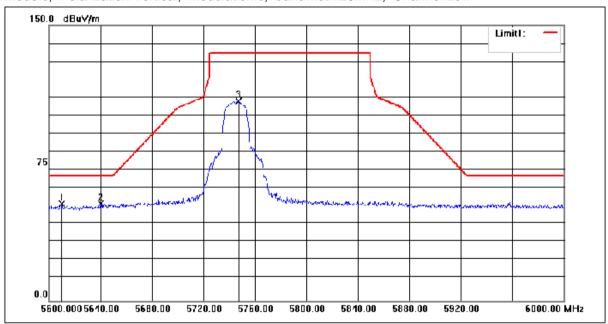
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5610.000	59.48	-6.94	52.54	68.20	-15.66	peak
2	5640.000	59.73	-6.87	52.86	68.20	-15.34	peak
3	5747.600	115.26	-6.60	108.66	135.00	-26.34	peak



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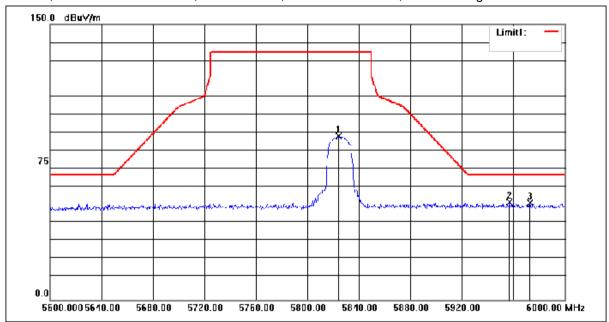
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5824.000	95.26	-6.32	88.94	135.00	-46.06	peak
2	5956.800	58.48	-5.60	52.88	68.20	-15.32	peak
3	5973.200	58.02	-5.51	52.51	68.20	-15.69	peak



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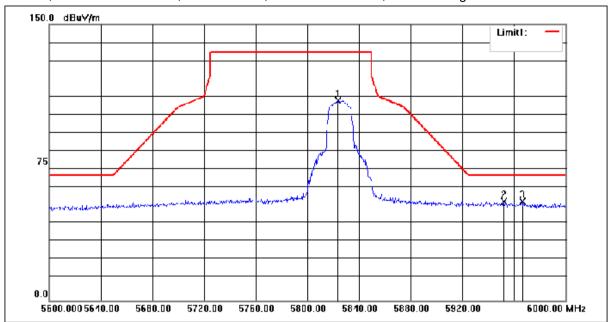
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	114.96	-6.33	108.63	135.00	-26.37	peak
2	5952.000	59.57	-5.62	53.95	68.20	-14.25	peak
3	5966.400	59.22	-5.55	53.67	68.20	-14.53	peak



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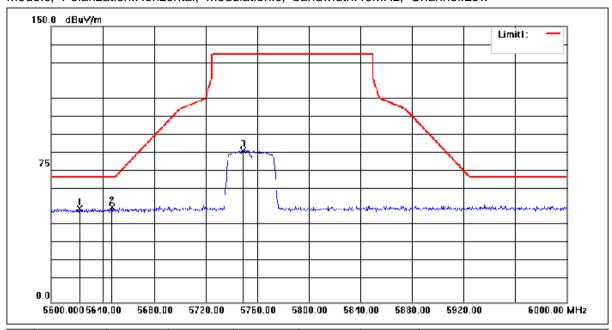
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5622.000	57.89	-6.92	50.97	68.20	-17.23	peak
2	5647.200	58.25	-6.85	51.40	68.20	-16.80	peak
3	5749.200	88.90	-6.59	82.31	135.00	-52.69	peak



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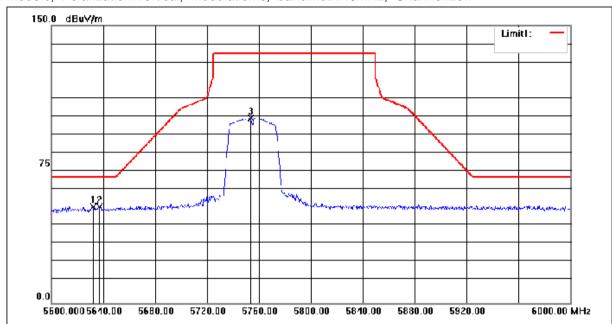
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.400	58.79	-6.89	51.90	68.20	-16.30	peak
2	5636.800	58.90	-6.87	52.03	68.20	-16.17	peak
3	5753.600	106.69	-6.58	100.11	135.00	-34.89	peak



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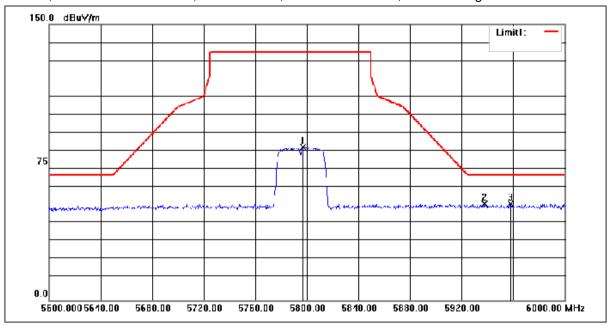
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5797.200	89.62	-6.46	83.16	135.00	-51.84	peak
2	5937.600	58.08	-5.70	52.38	68.20	-15.82	peak
3	5958.000	57.83	-5.59	52.24	68.20	-15.96	peak



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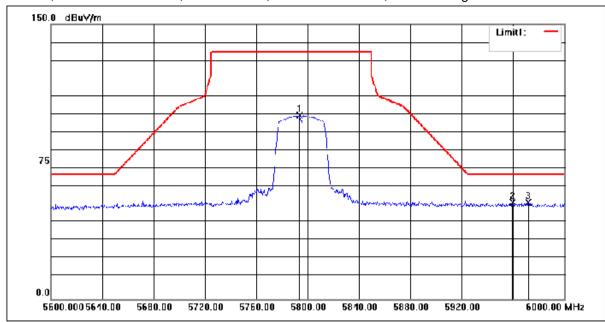
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



ſ	No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
		(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
	1	5793.600	106.67	-6.48	100.19	135.00	-34.81	peak
ĺ	2	5959.600	58.39	-5.59	52.80	68.20	-15.40	peak
ĺ	3	5972.000	58.05	-5.52	52.53	68.20	-15.67	peak



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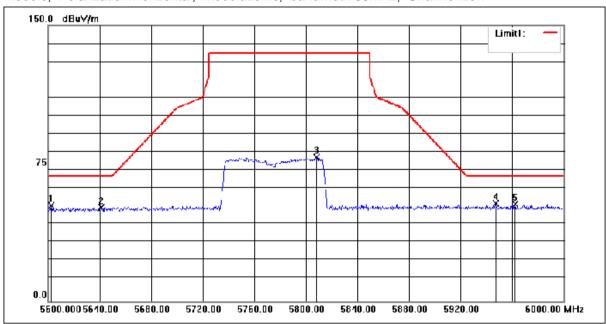
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Mode:c; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5602.400	58.95	-6.97	51.98	68.20	-16.22	peak
2	5641.200	57.87	-6.87	51.00	68.20	-17.20	peak
3	5808.400	84.54	-6.42	78.12	135.00	-56.88	peak
4	5947.200	58.53	-5.65	52.88	68.20	-15.32	peak
5	5962.400	58.30	-5.57	52.73	68.20	-15.47	peak



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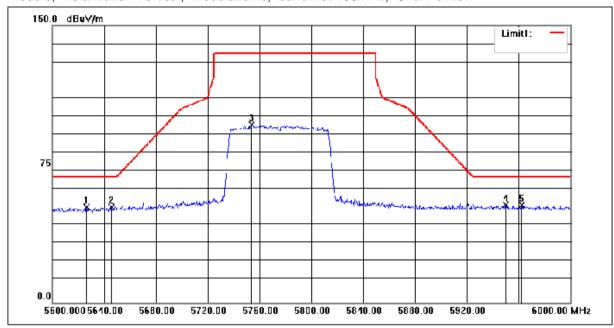
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Mode:c; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
	<u> </u>		\ /		` '	` /	
1	5626.400	58.44	-6.90	51.54	68.20	-16.66	peak
2	5645.600	58.50	-6.85	51.65	68.20	-16.55	peak
3	5754.000	102.68	-6.58	96.10	135.00	-38.90	peak
4	5950.000	58.41	-5.64	52.77	68.20	-15.43	peak
5	5962.400	58.14	-5.57	52.57	68.20	-15.63	peak



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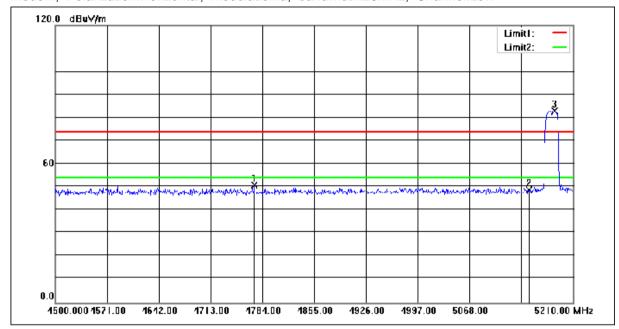
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Mode:h; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)		Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4772.640	59.65	-8.83	50.82	74.00	-23.18	peak
2	5150.000	56.48	-7.84	48.64	74.00	-25.36	peak
3	5184.440	90.78	-7.76	83.02	74.00	9.02	peak



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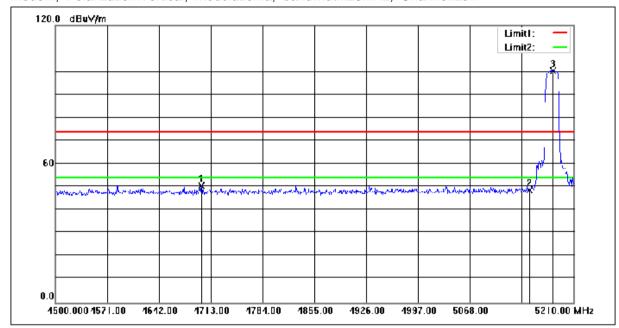
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4700.220	59.12	-8.69	50.43	74.00	-23.57	peak
2	5150.000	56.54	-7.84	48.70	74.00	-25.30	peak
3	5182.310	108.25	-7.77	100.48	74.00	26.48	peak



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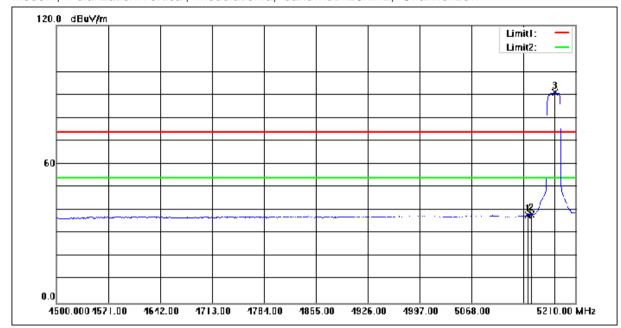
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Mode:h; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.390	45.88	-7.85	38.03	54.00	-15.97	AVG
2	5150.000	46.14	-7.84	38.30	54.00	-15.70	AVG
3	5181.600	98.77	-7.77	91.00	54.00	37.00	AVG



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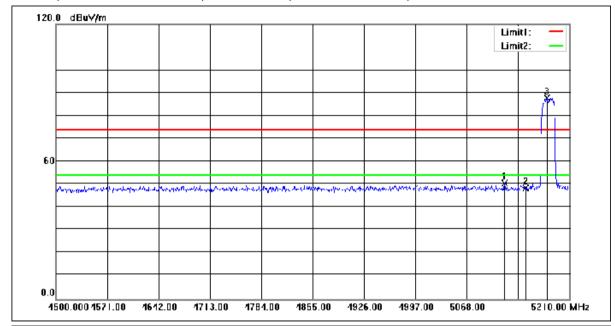
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5120.540	58.35	-7.91	50.44	74.00	-23.56	peak
2	5150.000	56.31	-7.84	48.47	74.00	-25.53	peak
3	5178.760	95.49	-7.78	87.71	74.00	13.71	peak



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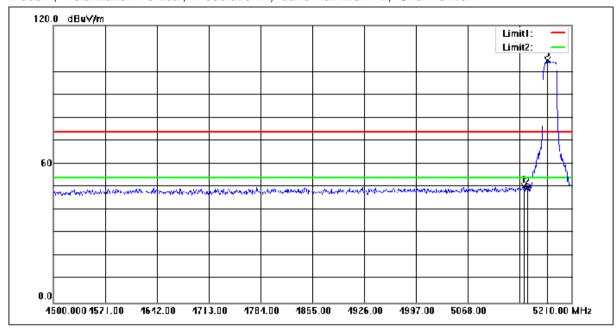
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.390	58.12	-7.85	50.27	74.00	-23.73	peak
2	5150.000	57.50	-7.84	49.66	74.00	-24.34	peak
3	5177.340	112.52	-7.78	104.74	74.00	30.74	peak



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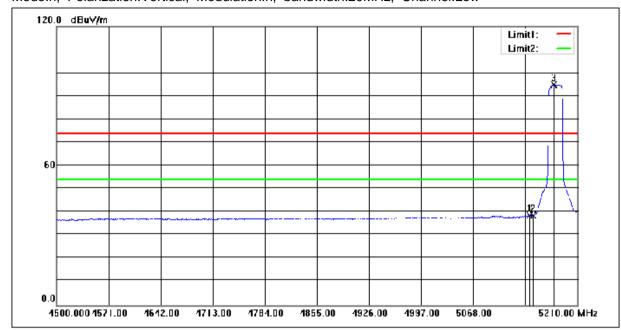
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5145.390	46.32	-7.85	38.47	54.00	-15.53	AVG
2	5150.000	46.52	-7.84	38.68	54.00	-15.32	AVG
3	5178.050	102.67	-7.78	94.89	54.00	40.89	AVG



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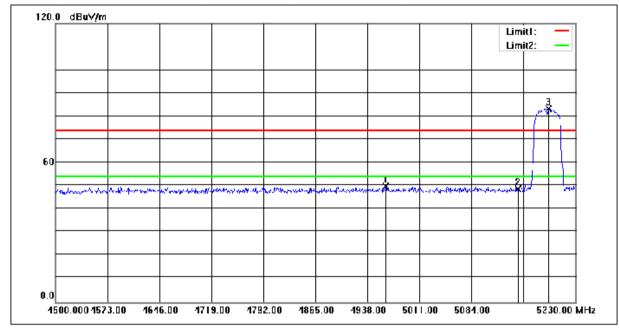
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Mode:h; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4963.550	58.14	-8.31	49.83	74.00	-24.17	peak
2	5150.000	56.61	-7.84	48.77	74.00	-25.23	peak
3	5192.770	91.02	-7.75	83.27	74.00	9.27	peak



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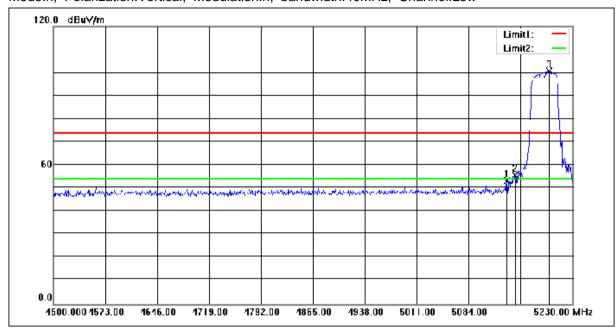
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5138.020	61.24	-7.87	53.37	74.00	-20.63	peak
2	5150.000	63.38	-7.84	55.54	74.00	-18.46	peak
3	5197.150	108.42	-7.74	100.68	74.00	26.68	peak



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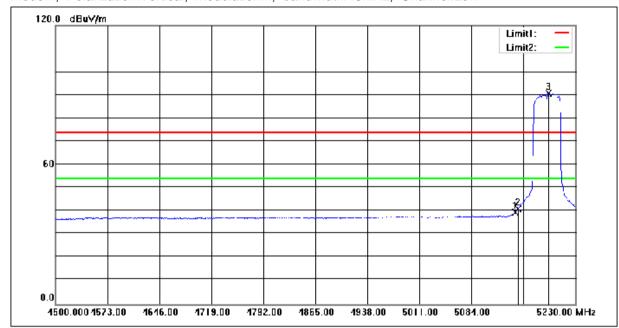
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Mode:h; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.050	47.20	-7.85	39.35	54.00	-14.65	AVG
2	5150.000	48.93	-7.84	41.09	54.00	-12.91	AVG
3	5192.040	98.55	-7.75	90.80	54.00	36.80	AVG



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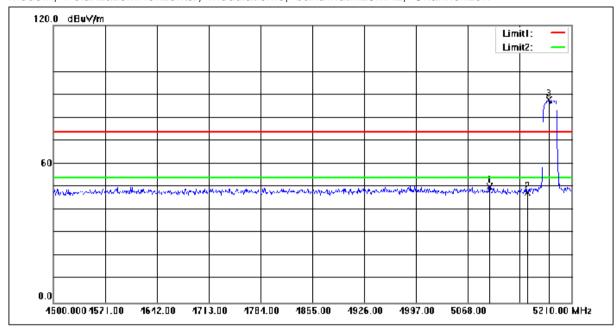
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5097.820	58.20	-7.96	50.24	74.00	-23.76	peak
2	5150.000	55.40	-7.84	47.56	74.00	-26.44	peak
3	5178.760	95.55	-7.78	87.77	74.00	13.77	peak



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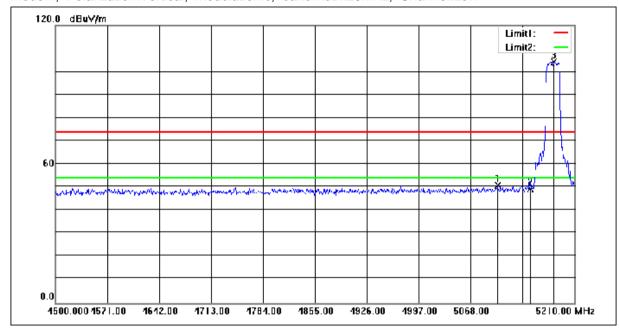
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5104.920	58.80	-7.95	50.85	74.00	-23.15	peak
2	5150.000	57.09	-7.84	49.25	74.00	-24.75	peak
3	5182.310	112.01	-7.77	104.24	74.00	30.24	peak



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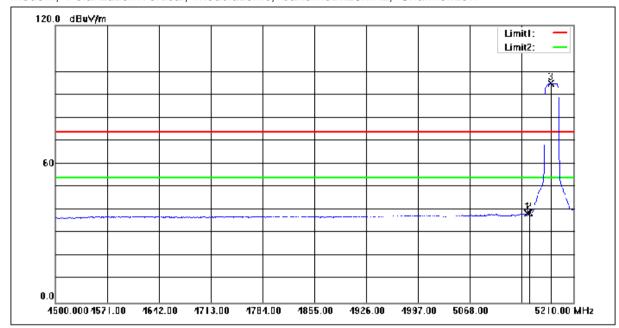
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	9	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.810	46.37	-7.85	38.52	54.00	-15.48	AVG
2	5150.000	46.57	-7.84	38.73	54.00	-15.27	AVG
3	5179.470	102.62	-7.77	94.85	54.00	40.85	AVG



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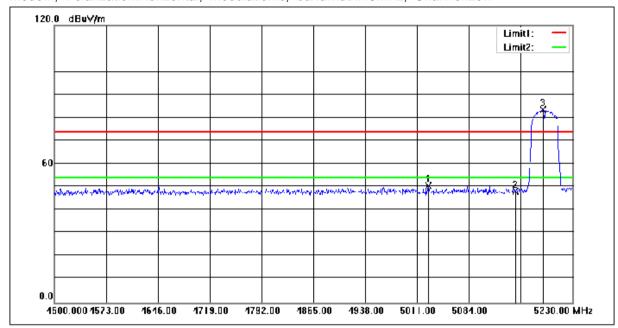
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency		Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5027.060	58.61	-8.12	50.49	74.00	-23.51	peak
2	5150.000	55.93	-7.84	48.09	74.00	-25.91	peak
3	5188.390	91.24	-7.76	83.48	74.00	9.48	peak



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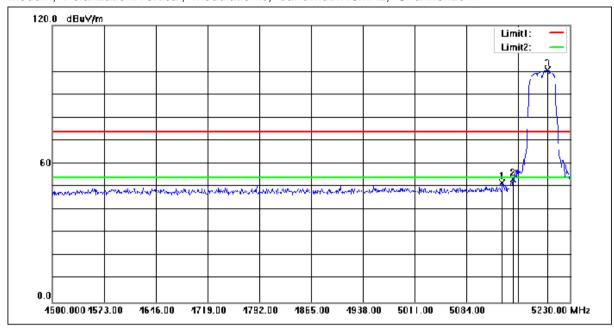
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5134.370	59.52	-7.88	51.64	74.00	-22.36	peak
2	5150.000	61.22	-7.84	53.38	74.00	-20.62	peak
3	5197.880	108.35	-7.74	100.61	74.00	26.61	peak



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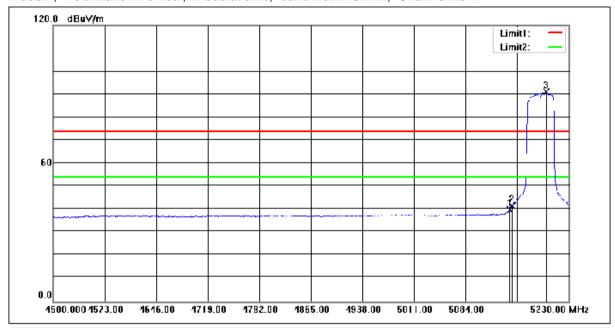
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5146.780	47.58	-7.85	39.73	54.00	-14.27	AVG
2	5150.000	49.26	-7.84	41.42	54.00	-12.58	AVG
3	5197.880	98.69	-7.74	90.95	54.00	36.95	AVG



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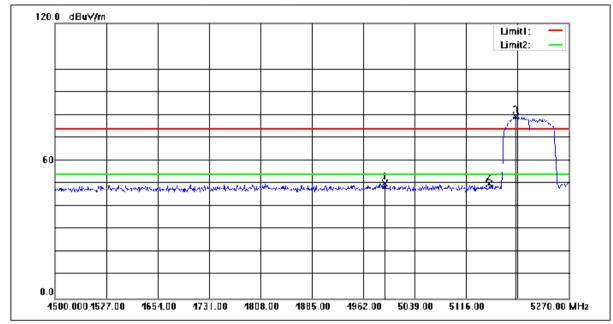
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Mode:h; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4994.340	58.41	-8.20	50.21	74.00	-23.79	peak
2	5150.000	57.80	-7.84	49.96	74.00	-24.04	peak
3	5189.920	87.18	-7.76	79.42	74.00	5.42	peak



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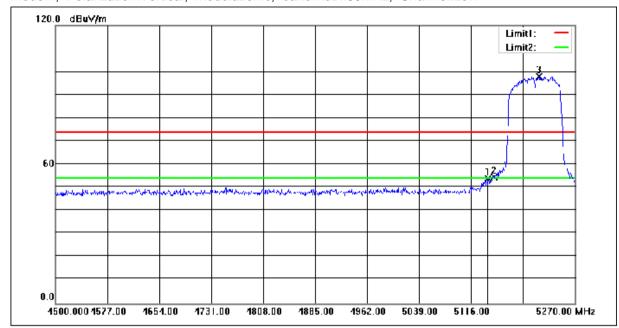
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5141.410	61.57	-7.86	53.71	74.00	-20.29	peak
2	5150.000	62.19	-7.84	54.35	74.00	-19.65	peak
3	5216.870	105.66	-7.66	98.00	74.00	24.00	peak



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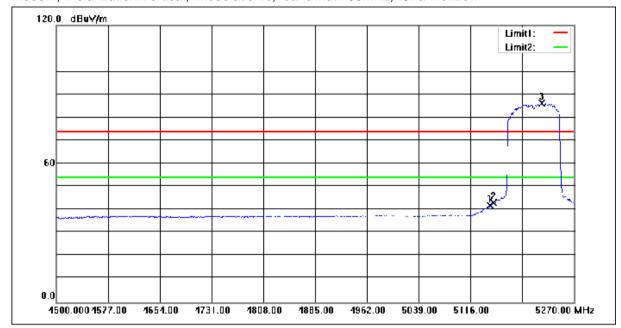
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Mode:h; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5145.260	49.74	-7.85	41.89	54.00	-12.11	AVG
2	5150.000	50.94	-7.84	43.10	54.00	-10.90	AVG
3	5222.260	93.86	-7.64	86.22	54.00	32.22	AVG



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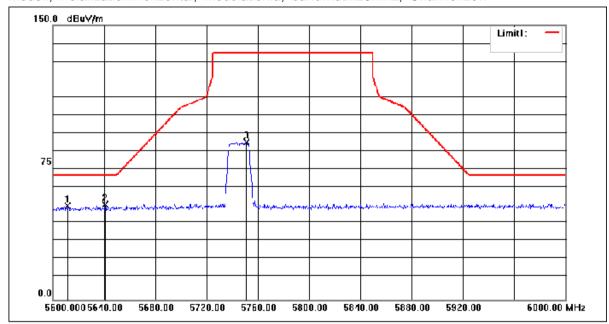
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Mode:i; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5611.600	58.25	-6.94	51.31	68.20	-16.89	peak
2	5640.800	58.72	-6.87	51.85	68.20	-16.35	peak
3	5751.200	92.82	-6.58	86.24	135.00	-48.76	peak



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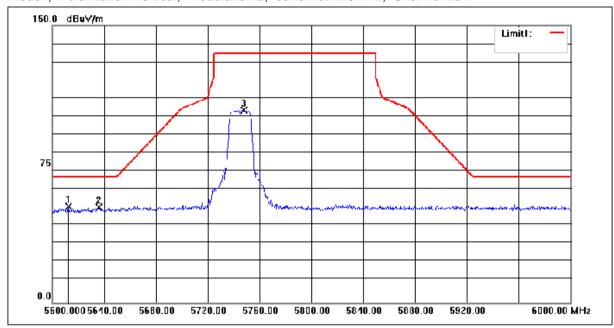
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Mode:i; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5612.400	58.78	-6.94	51.84	68.20	-16.36	peak
2	5636.000	58.62	-6.88	51.74	68.20	-16.46	peak
3	5748.000	110.67	-6.59	104.08	135.00	-30.92	peak



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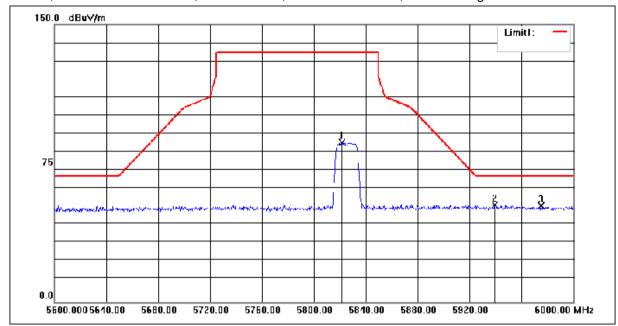
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Mode:i; Polarization:Horizontal; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5821.600	92.27	-6.34	85.93	135.00	-49.07	peak
2	5939.200	58.16	-5.70	52.46	68.20	-15.74	peak
3	5975.200	57.61	-5.49	52.12	68.20	-16.08	peak



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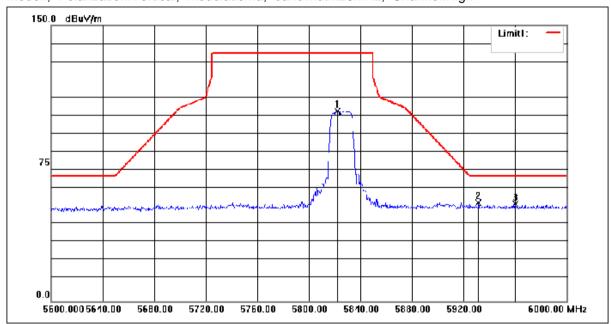
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Mode:i; Polarization:Vertical; Modulation:a; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5822.000	109.68	-6.34	103.34	135.00	-31.66	peak
2	5931.600	59.16	-5.73	53.43	68.20	-14.77	peak
3	5960.000	58.40	-5.58	52.82	68.20	-15.38	peak



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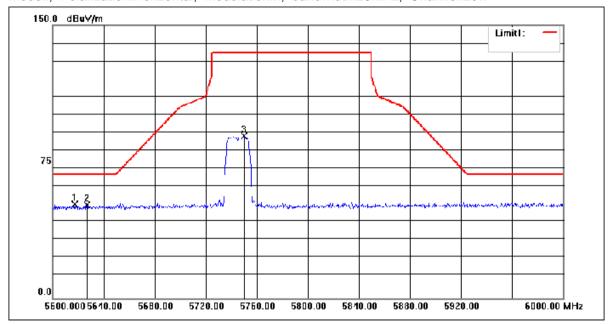
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5617.200	58.31	-6.92	51.39	68.20	-16.81	peak
2	5626.800	58.03	-6.90	51.13	68.20	-17.07	peak
3	5750.000	95.63	-6.59	89.04	135.00	-45.96	peak



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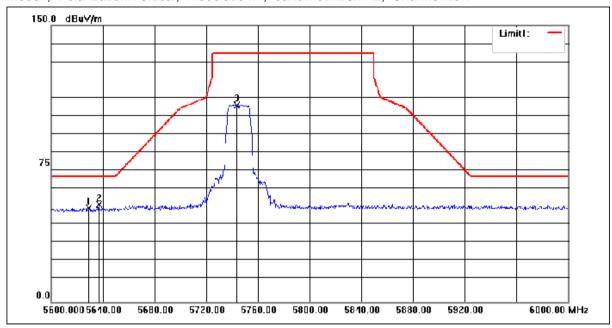
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5629.200	57.74	-6.90	50.84	68.20	-17.36	peak
2	5636.800	59.67	-6.87	52.80	68.20	-15.40	peak
3	5743.600	113.41	-6.60	106.81	135.00	-28.19	peak



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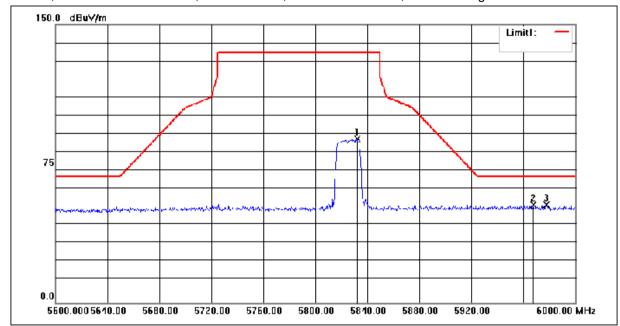
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5832.000	94.66	-6.28	88.38	135.00	-46.62	peak
2	5967.600	58.34	-5.54	52.80	68.20	-15.40	peak
3	5977.600	58.32	-5.48	52.84	68.20	-15.36	peak



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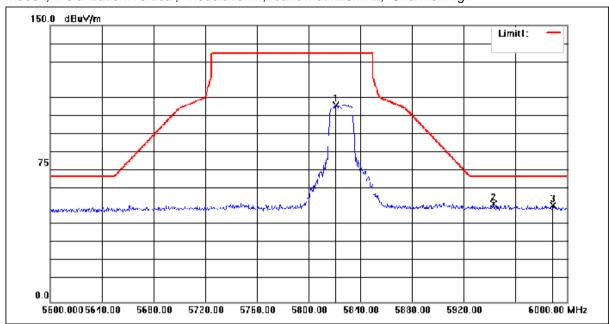
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5821.200	113.12	-6.34	106.78	135.00	-28.22	peak
2	5943.200	58.75	-5.67	53.08	68.20	-15.12	peak
3	5989.200	57.70	-5.42	52.28	68.20	-15.92	peak



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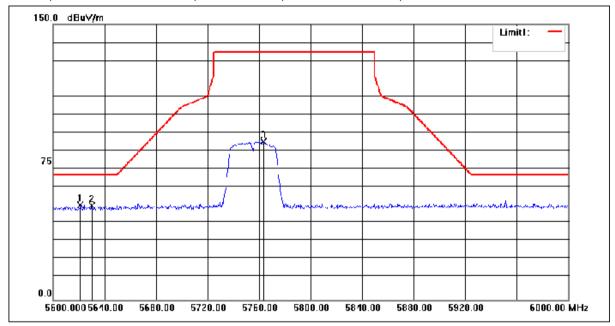
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5621.200	58.46	-6.92	51.54	68.20	-16.66	peak
2	5630.000	57.96	-6.89	51.07	68.20	-17.13	peak
3	5763.600	92.74	-6.55	86.19	135.00	-48.81	peak



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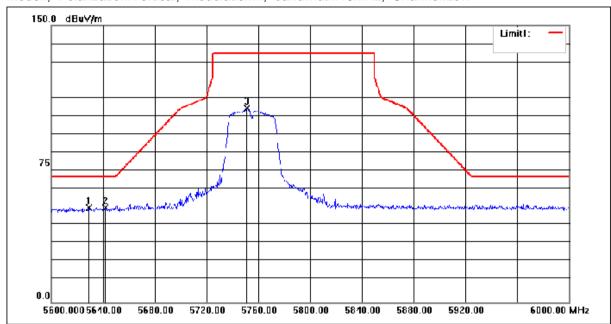
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5628.800	58.07	-6.90	51.17	68.20	-17.03	peak
2	5642.000	57.98	-6.87	51.11	68.20	-17.09	peak
3	5751.200	111.72	-6.58	105.14	135.00	-29.86	peak



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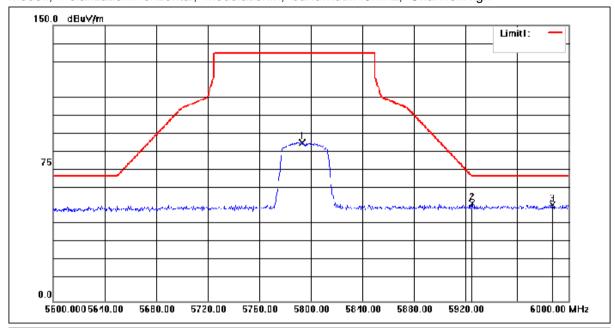
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Mode:i; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5793.200	92.71	-6.48	86.23	135.00	-48.77	peak
2	5925.200	58.98	-5.77	53.21	68.20	-14.99	peak
3	5987.600	57.88	-5.43	52.45	68.20	-15.75	peak



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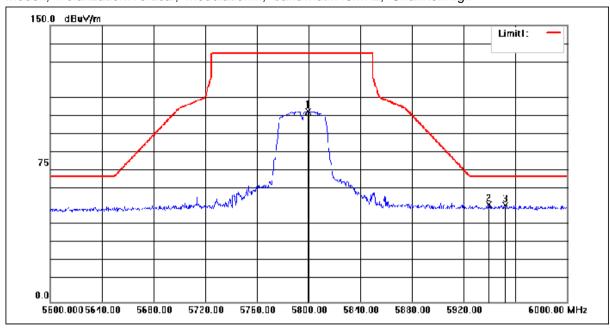
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Mode:i; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5799.600	109.75	-6.46	103.29	135.00	-31.71	peak
2	5939.600	58.27	-5.69	52.58	68.20	-15.62	peak
3	5952.400	57.81	-5.62	52.19	68.20	-16.01	peak



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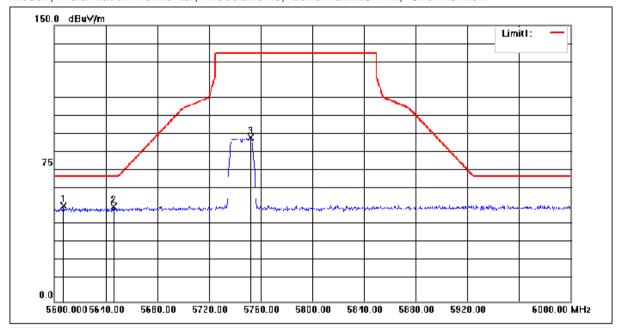
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5607.200	58.71	-6.95	51.76	68.20	-16.44	peak
2	5646.000	58.31	-6.85	51.46	68.20	-16.74	peak
3	5752.000	95.66	-6.58	89.08	135.00	-45.92	peak



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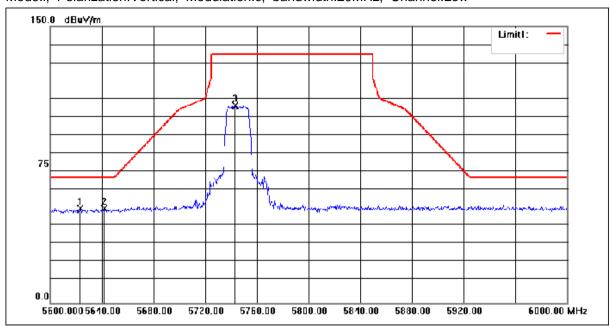
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Mode:i; Polarization: Vertical; Modulation:c; bandwidth: 20MHz; Channel: Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5623.200	58.18	-6.92	51.26	68.20	-16.94	peak
2	5642.000	58.22	-6.87	51.35	68.20	-16.85	peak
3	5743.200	113.64	-6.61	107.03	135.00	-27.97	peak



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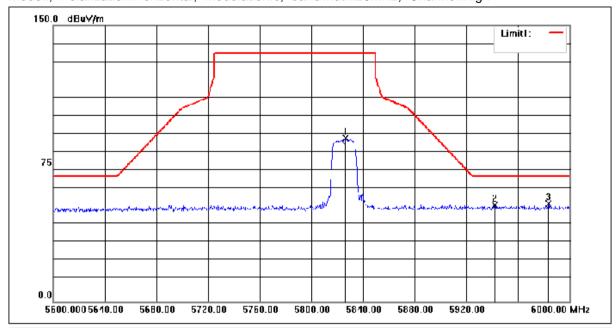
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5826.400	94.86	-6.32	88.54	135.00	-46.46	peak
2	5942.000	57.83	-5.68	52.15	68.20	-16.05	peak
3	5983.600	58.35	-5.45	52.90	68.20	-15.30	peak



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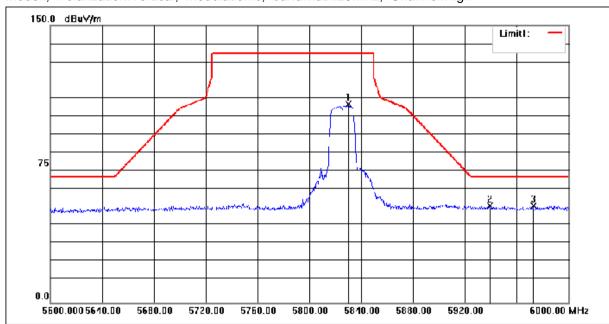
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5830.000	113.74	-6.30	107.44	135.00	-27.56	peak
2	5939.200	58.15	-5.70	52.45	68.20	-15.75	peak
3	5972.800	57.96	-5.51	52.45	68.20	-15.75	peak



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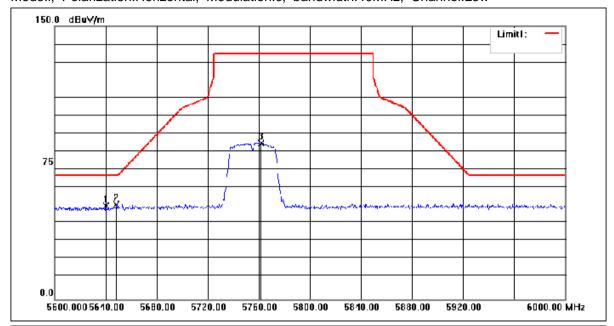
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5640.000	57.97	-6.87	51.10	68.20	-17.10	peak
2	5648.400	58.82	-6.85	51.97	68.20	-16.23	peak
3	5762.000	92.42	-6.56	85.86	135.00	-49.14	peak



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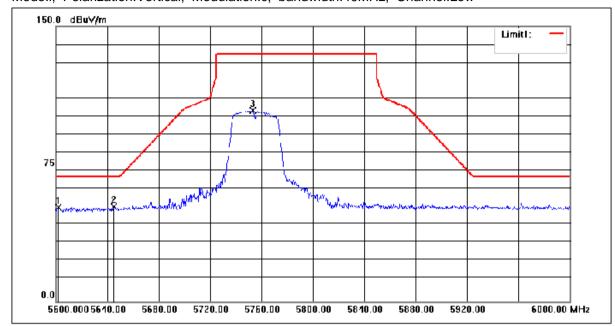
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5602.000	58.29	-6.97	51.32	68.20	-16.88	peak
2	5644.800	58.50	-6.85	51.65	68.20	-16.55	peak
3	5753.200	110.46	-6.58	103.88	135.00	-31.12	peak



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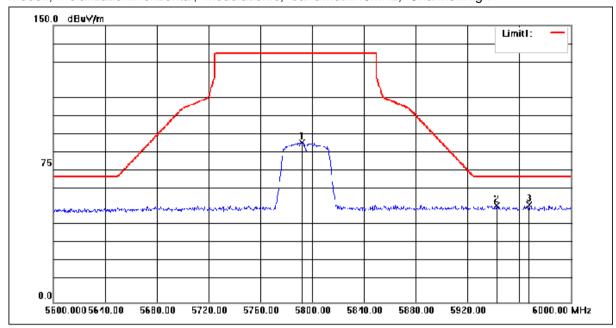
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5792.000	92.84	-6.48	86.36	135.00	-48.64	peak
2	5942.800	58.14	-5.67	52.47	68.20	-15.73	peak
3	5967.600	58.11	-5.54	52.57	68.20	-15.63	peak



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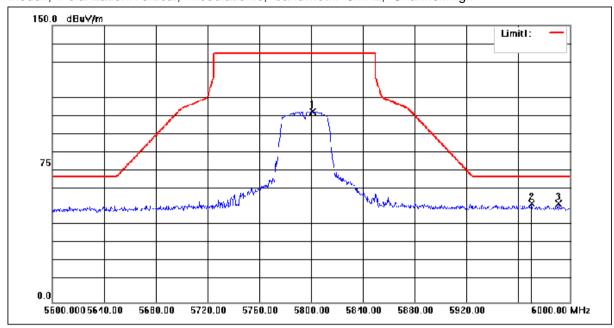
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:40MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5801.200	109.59	-6.45	103.14	135.00	-31.86	peak
2	5970.400	58.95	-5.53	53.42	68.20	-14.78	peak
3	5991.200	58.88	-5.40	53.48	68.20	-14.72	peak



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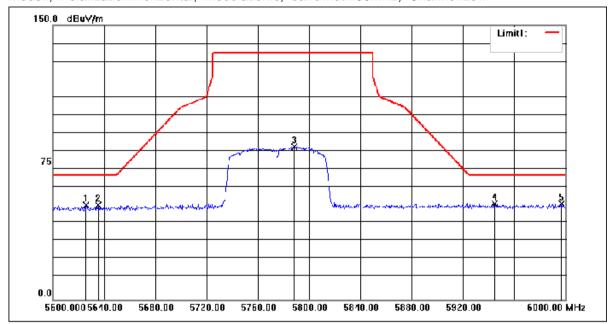
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Mode:i; Polarization:Horizontal; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
			` '				
1	5626.000	58.55	-6.90	51.65	68.20	-16.55	peak
2	5635.600	58.29	-6.88	51.41	68.20	-16.79	peak
3	5788.400	90.07	-6.49	83.58	135.00	-51.42	peak
4	5944.800	58.03	-5.67	52.36	68.20	-15.84	peak
5	5996.800	57.72	-5.37	52.35	68.20	-15.85	peak



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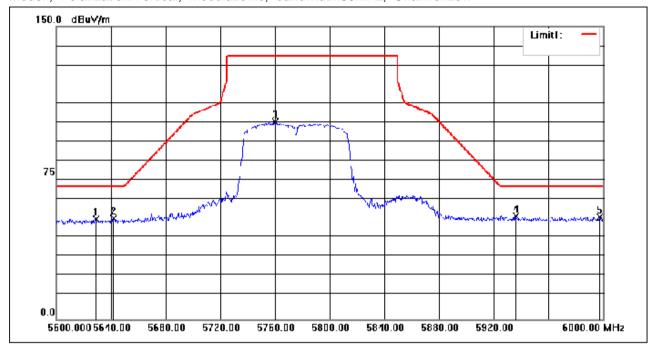
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Mode:i; Polarization:Vertical; Modulation:c; bandwidth:80MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5628.800	58.07	-6.90	51.17	68.20	-17.03	peak
2	5641.600	58.30	-6.87	51.43	68.20	-16.77	peak
3	5760.400	107.55	-6.56	100.99	135.00	-34.01	peak
4	5936.000	58.27	-5.71	52.56	68.20	-15.64	peak
5	5997.600	57.68	-5.38	52.30	68.20	-15.90	peak



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7.9 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.

7.9.1 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:Module MT7668 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

802.11ac(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:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(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.

i:Module RTL8812CU 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.

The worst case for final test:

b:Module MT7668 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

802.11ac(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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c:Module MT7668 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.

h:Module RTL8812CU 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

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

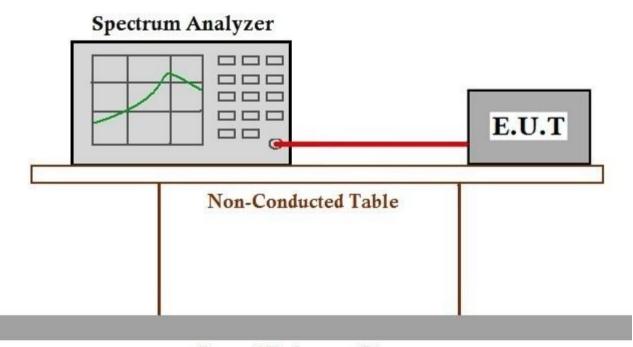
802.11ac(VHT80). Only the data of worst case is recorded in the report.

i:Module RTL8812CU mode (Band 3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE

802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.9.2 Test Setup Diagram



Ground Reference Plane

7.9.3 Measurement Procedure and Data

The detailed test data see: Appendix D for KSCR220100003504-5G-MT7668

Appendix D for KSCR220100003504-5G-RTL8812cu



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8 Test Setup Photographs

Refer to the < Test Setup photos>.

9 EUT Constructional Details

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

- End of the Report -



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