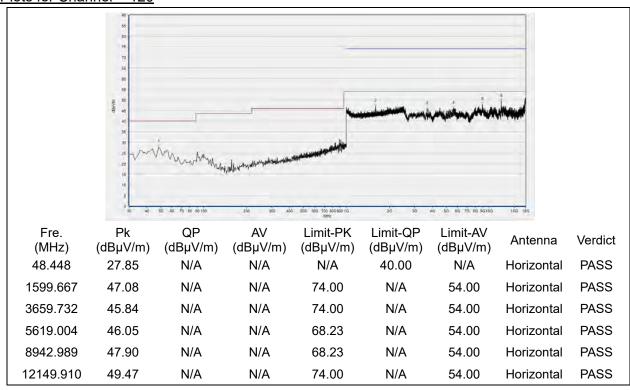
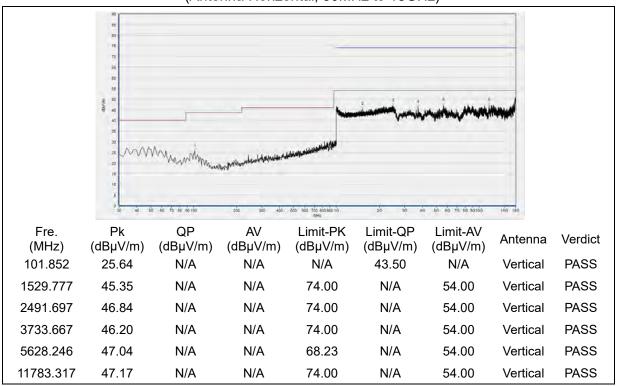


Plots for Channel = 120



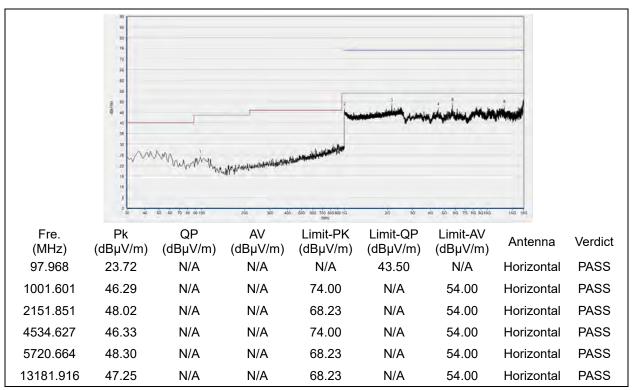
(Antenna Horizontal, 30MHz to 18GHz)



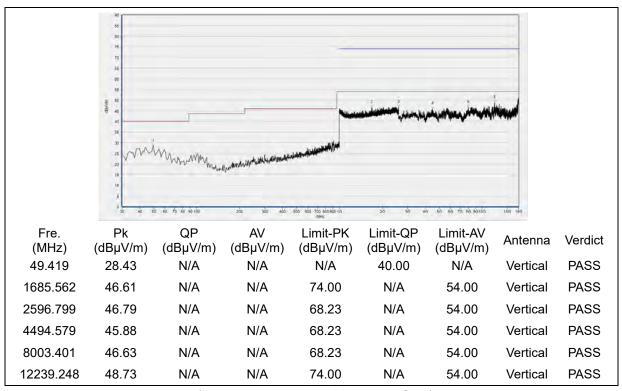




Plot for Channel = 144



(Antenna Horizontal, 30MHz to 18GHz)

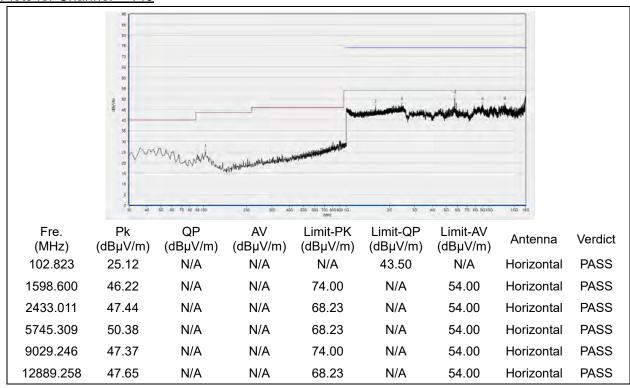


(Antenna Vertical, 30MHz to 18GHz)

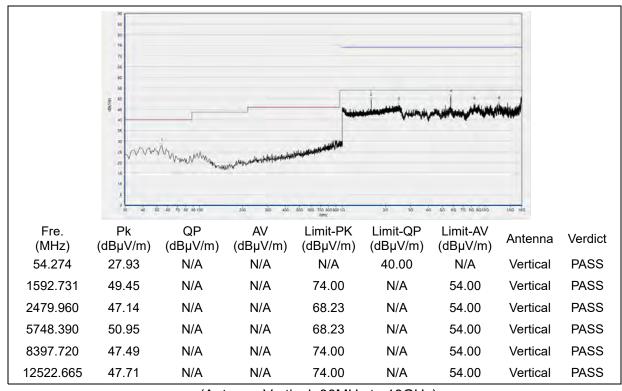




Plots for Channel = 149



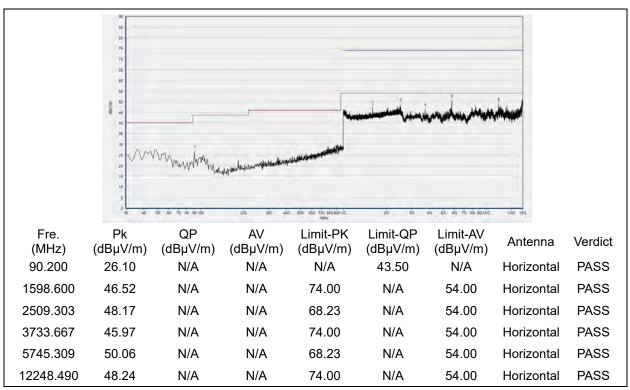
(Antenna Horizontal, 30MHz to 18GHz)



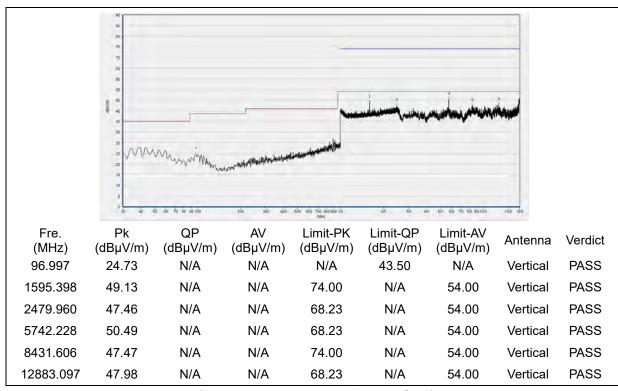




Plot for Channel = 157



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

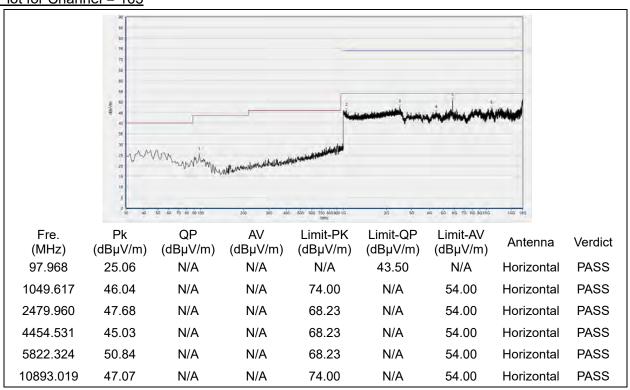


Tel: 86-755-36698555

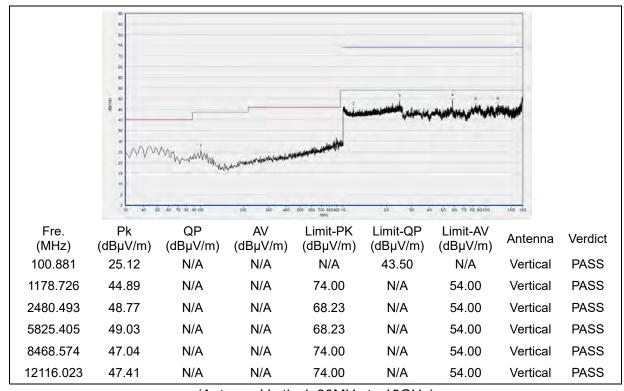
Http://www.morlab.cn



Plot for Channel = 165



(Antenna Horizontal, 30MHz to 18GHz)

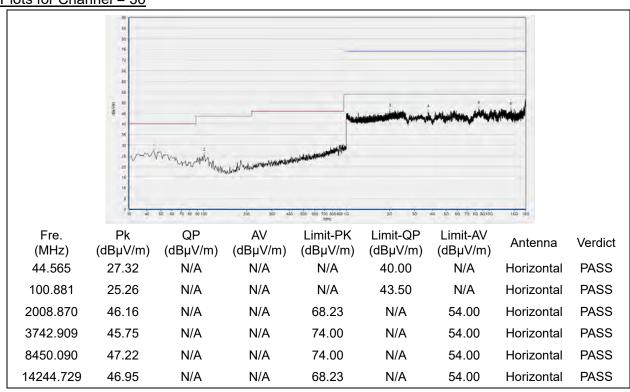




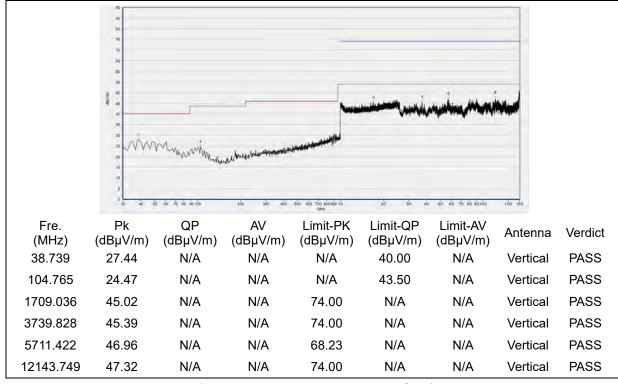


802.11n (HT20) Test mode

Plots for Channel = 36



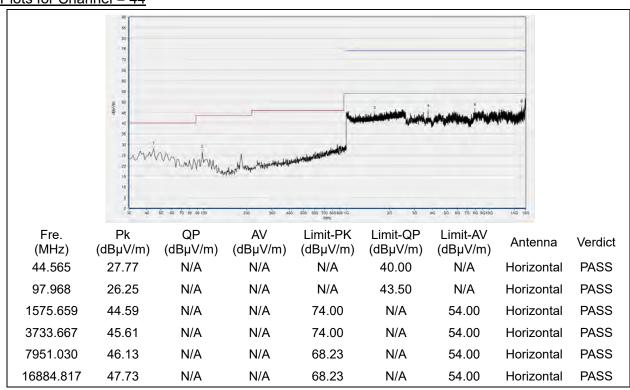
(Antenna Horizontal, 30MHz to 18GHz)



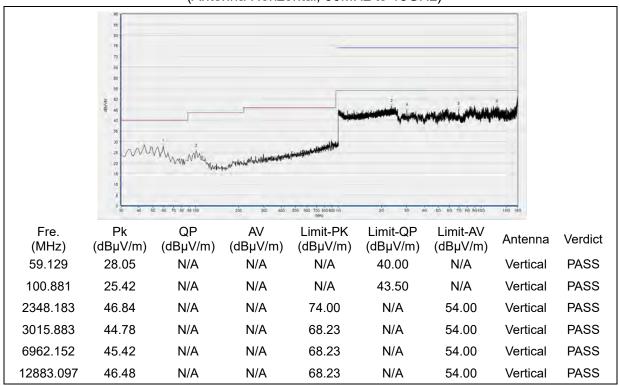




Plots for Channel = 44



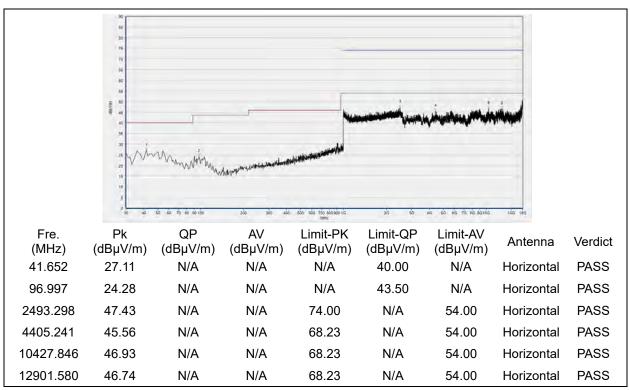
(Antenna Horizontal, 30MHz to 18GHz)



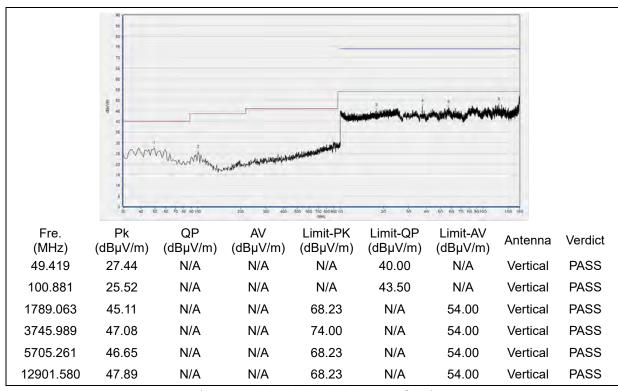




Plot for Channel = 48



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

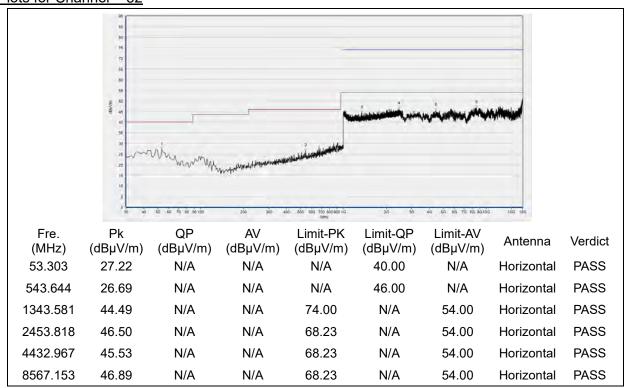


Tel: 86-755-36698555

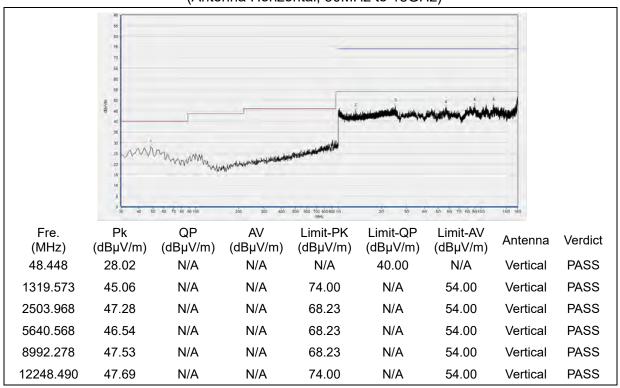
Http://www.morlab.cn



Plots for Channel = 52



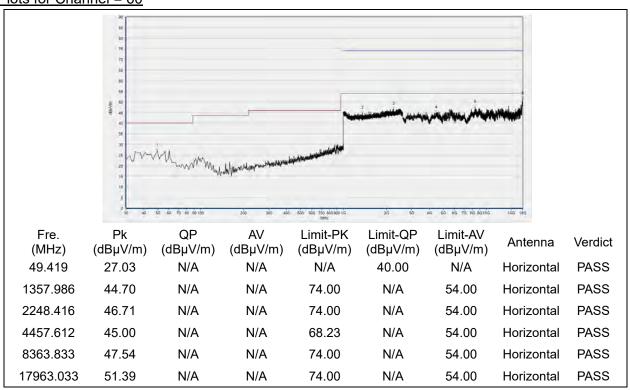
(Antenna Horizontal, 30MHz to 18GHz)



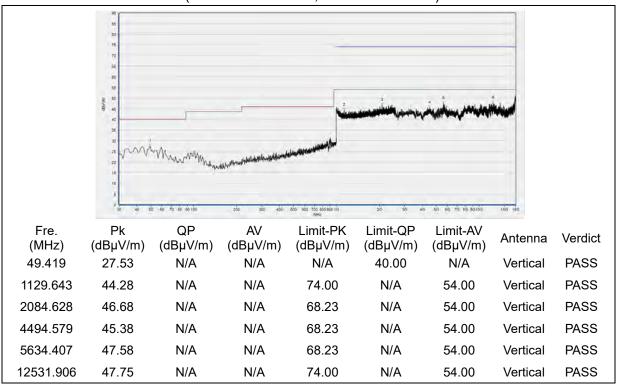




Plots for Channel = 60



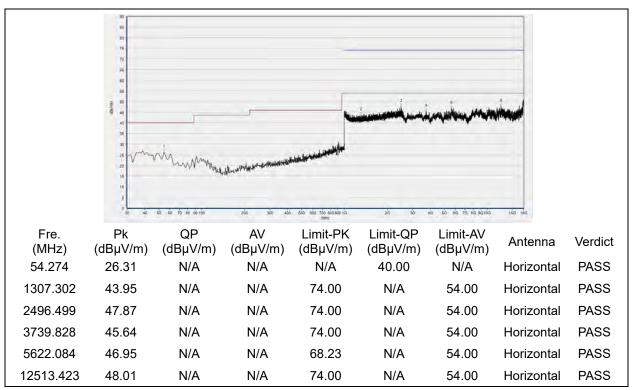
(Antenna Horizontal, 30MHz to 18GHz)



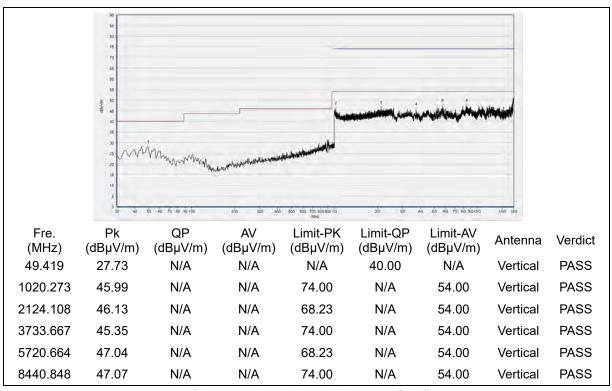




Plot for Channel = 64



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

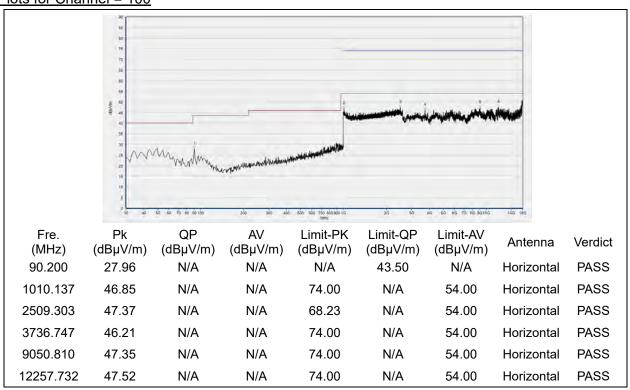


Tel: 86-755-36698555

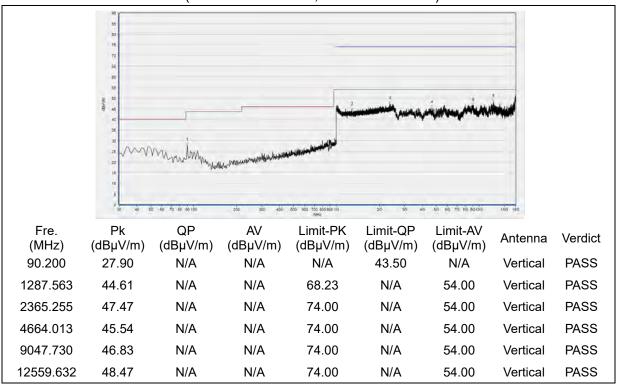
Http://www.morlab.cn



Plots for Channel = 100



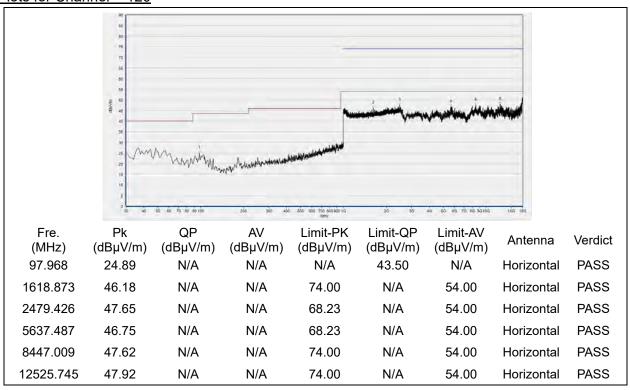
(Antenna Horizontal, 30MHz to 18GHz)



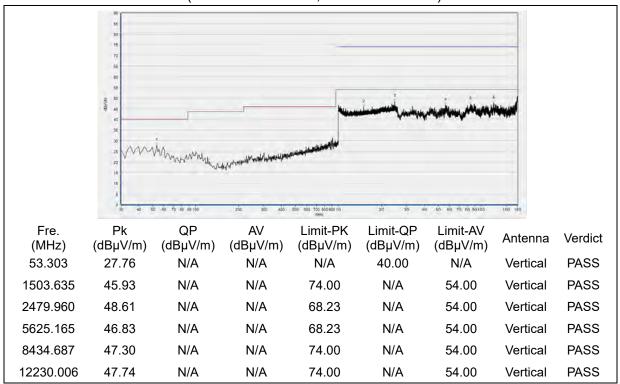




Plots for Channel = 120



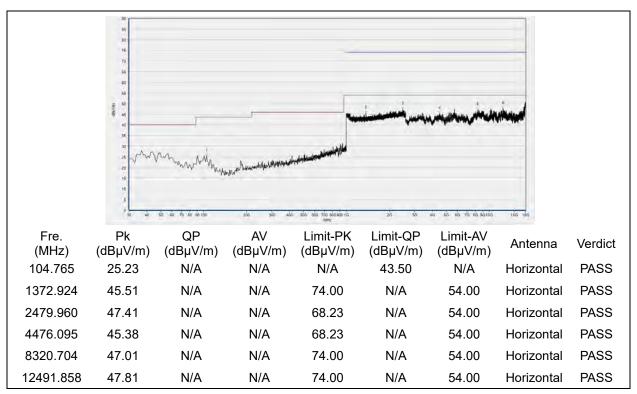
(Antenna Horizontal, 30MHz to 18GHz)



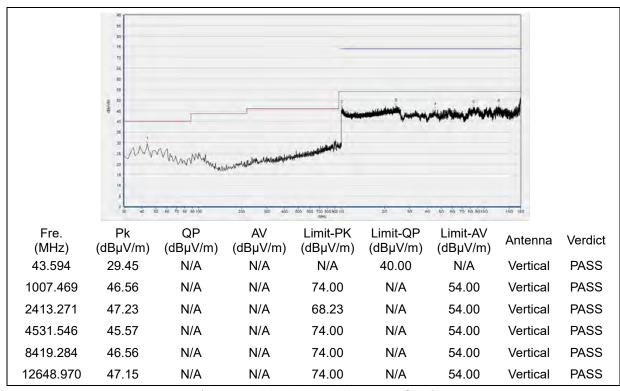




Plot for Channel = 144



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

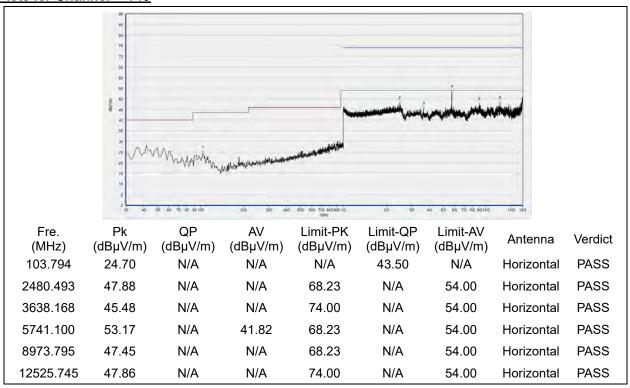


Tel: 86-755-36698555

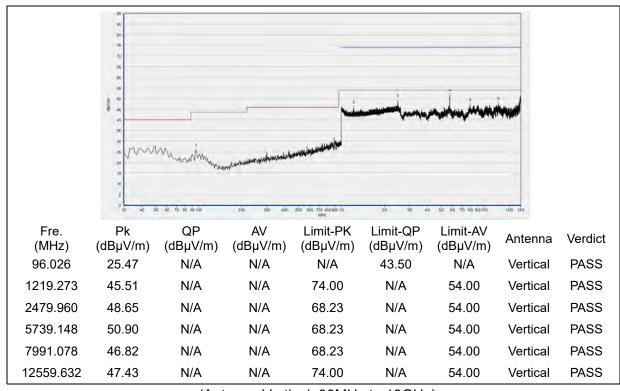
Http://www.morlab.cn



Plots for Channel = 149



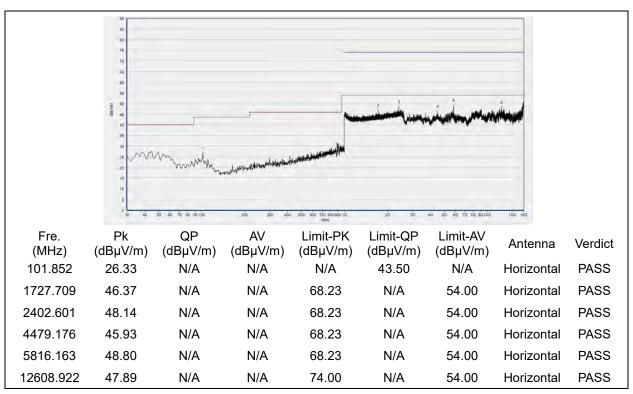
(Antenna Horizontal, 30MHz to 18GHz)



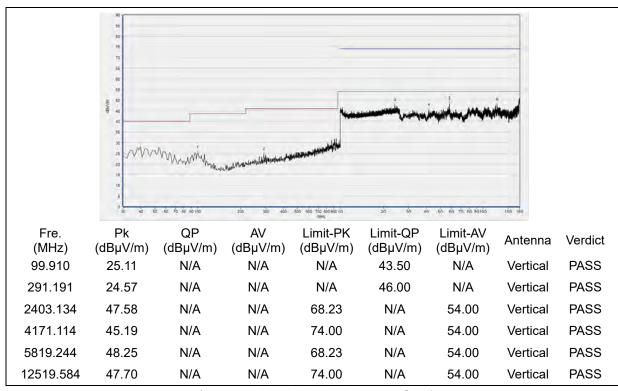




Plot for Channel = 157



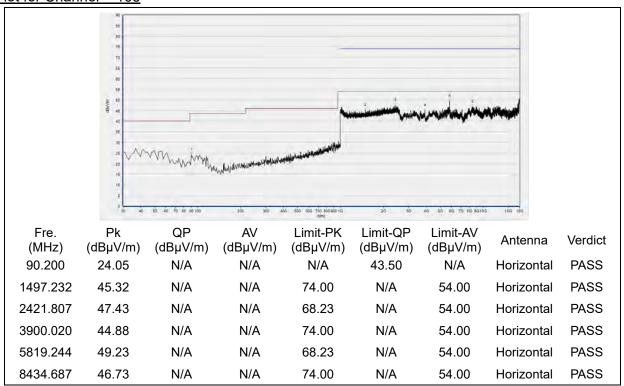
(Antenna Horizontal, 30MHz to 18GHz)



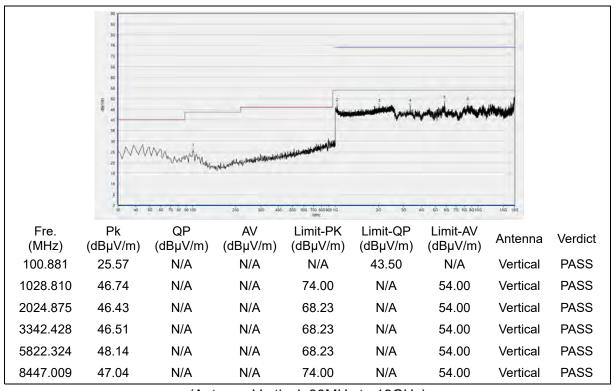




Plot for Channel = 165



(Antenna Horizontal, 30MHz to 18GHz)

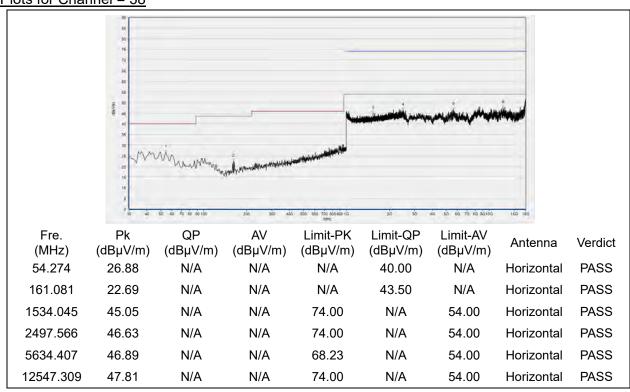




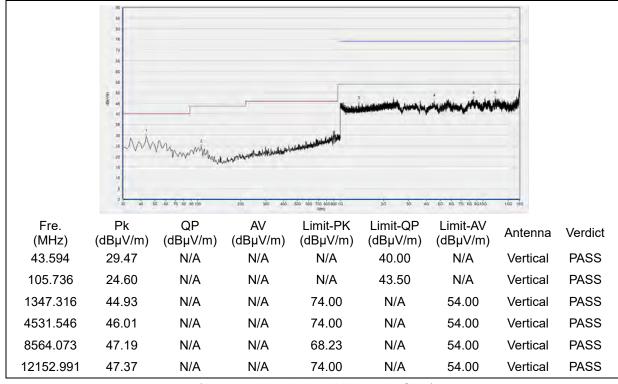


802.11n (HT40) Test mode

Plots for Channel = 38



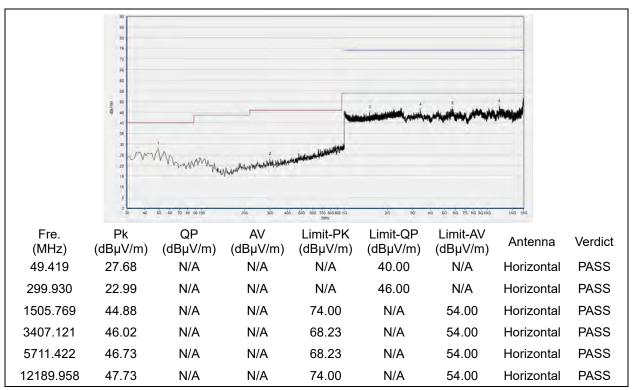
(Antenna Horizontal, 30MHz to 18GHz)



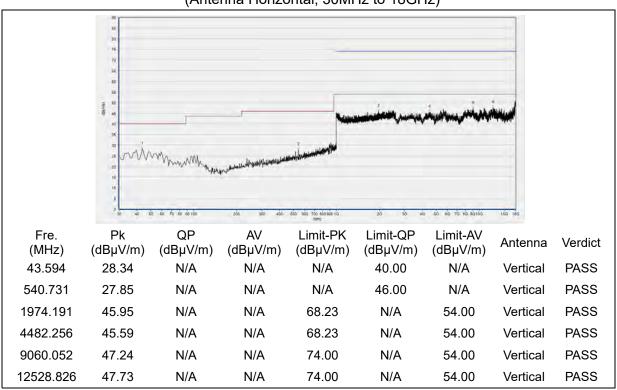




Plot for Channel = 46



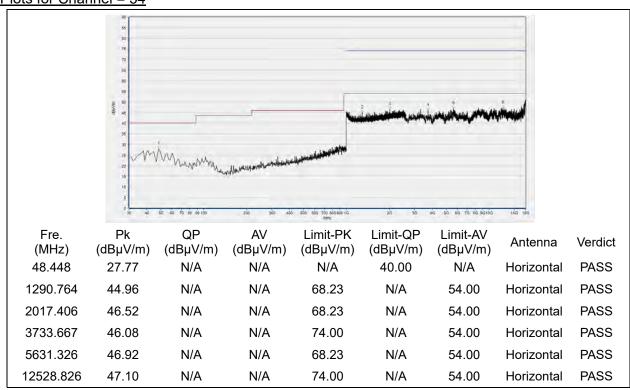
(Antenna Horizontal, 30MHz to 18GHz)



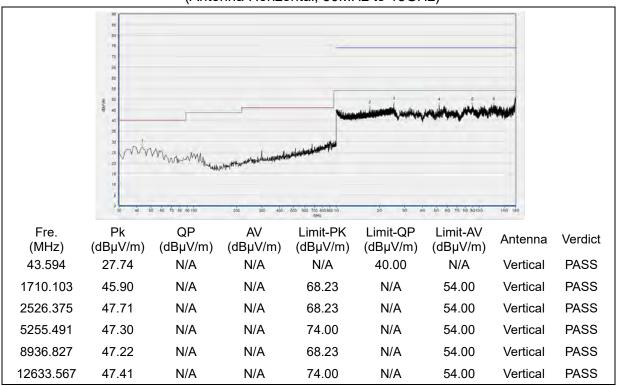




Plots for Channel = 54



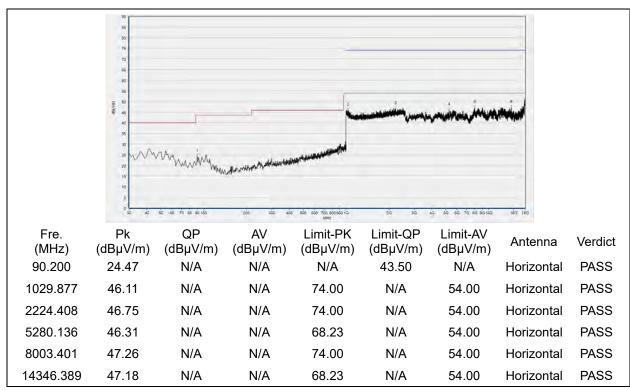
(Antenna Horizontal, 30MHz to 18GHz)



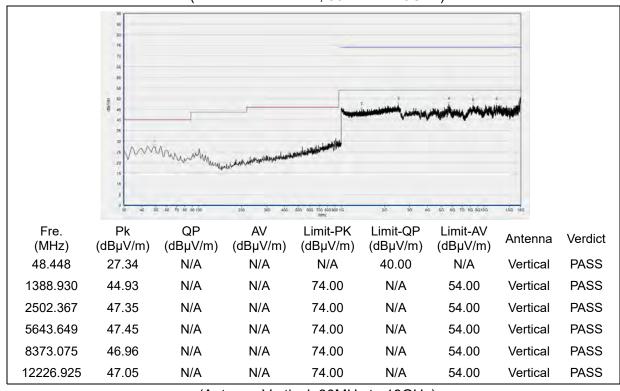




Plot for Channel = 62



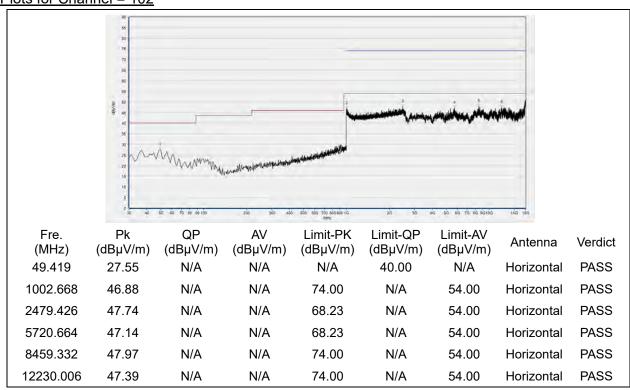
(Antenna Horizontal, 30MHz to 18GHz)



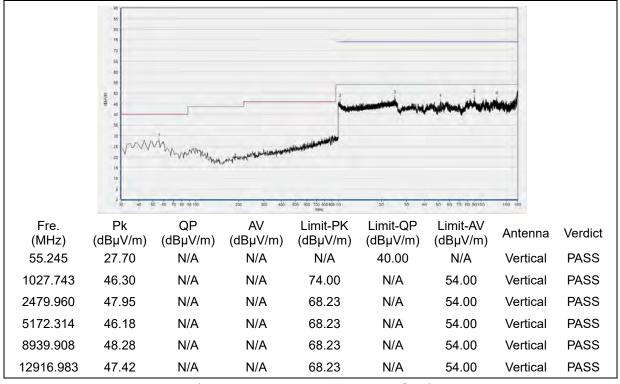




Plots for Channel = 102



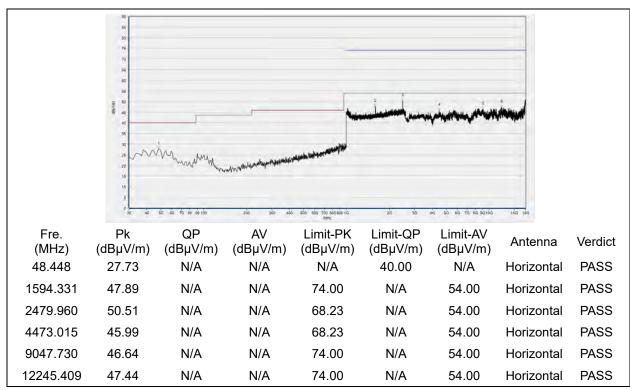
(Antenna Horizontal, 30MHz to 18GHz)



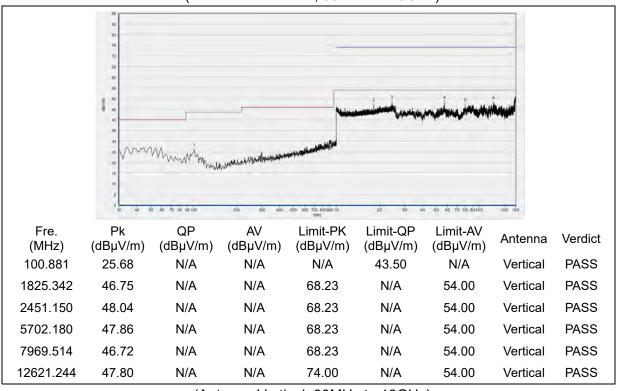




Plot for Channel = 126



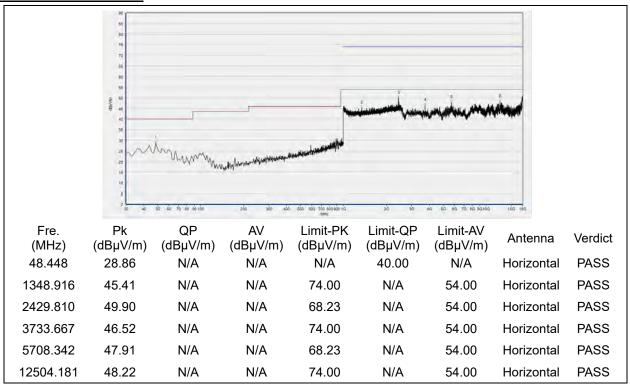
(Antenna Horizontal, 30MHz to 18GHz)



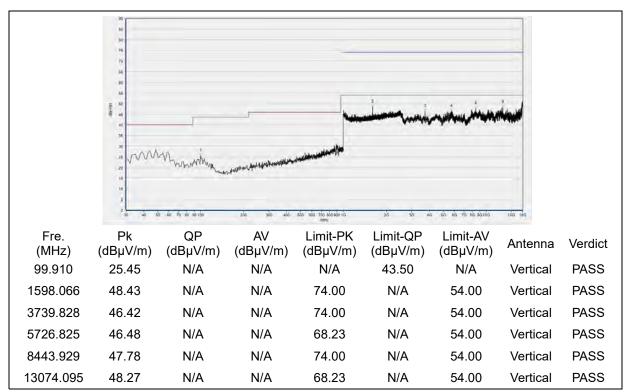




Plot for Channel = 142



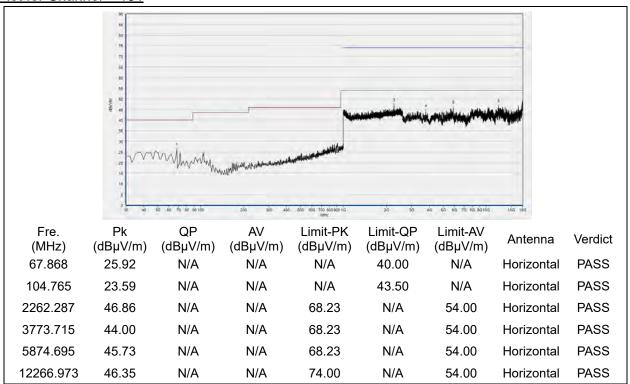
(Antenna Horizontal, 30MHz to 18GHz)



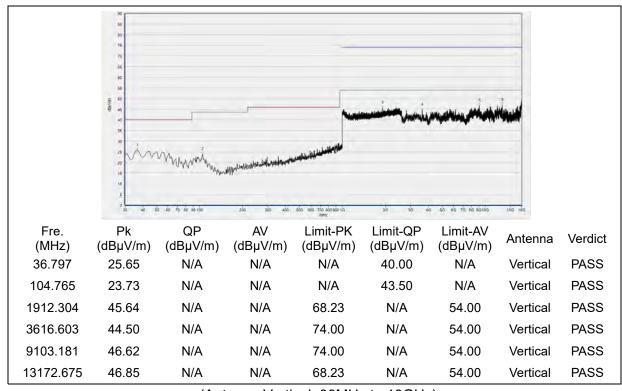




Plot for Channel = 151



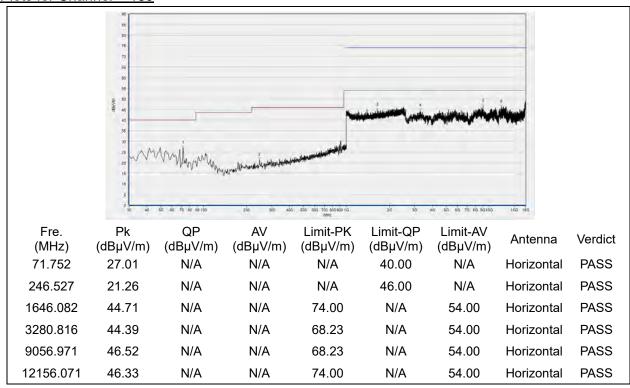
(Antenna Horizontal, 30MHz to 18GHz)



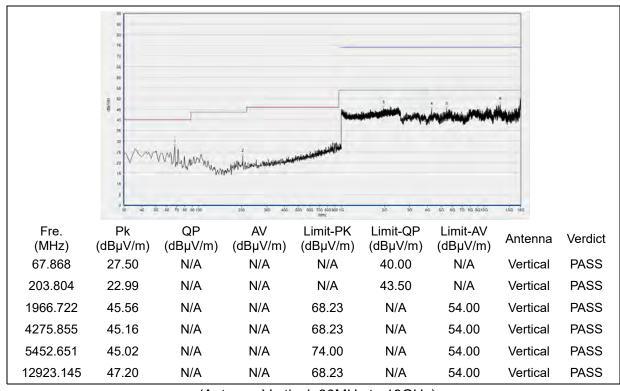




Plots for Channel = 159



(Antenna Horizontal, 30MHz to 18GHz)

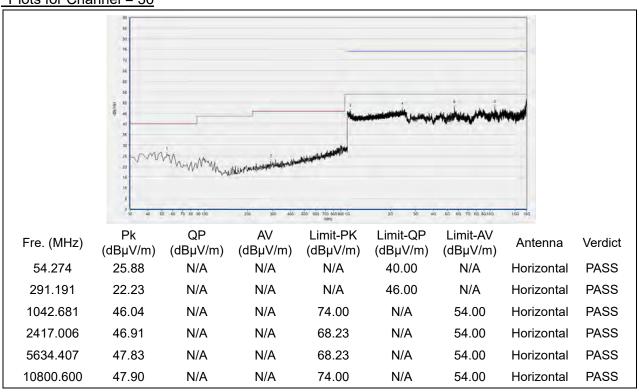




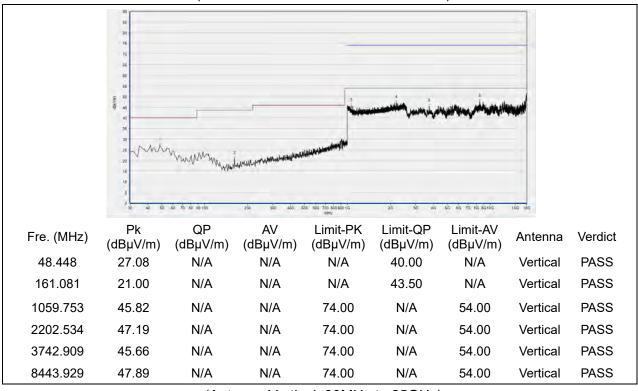


802.11ac (VHT20) Test mode

Plots for Channel = 36



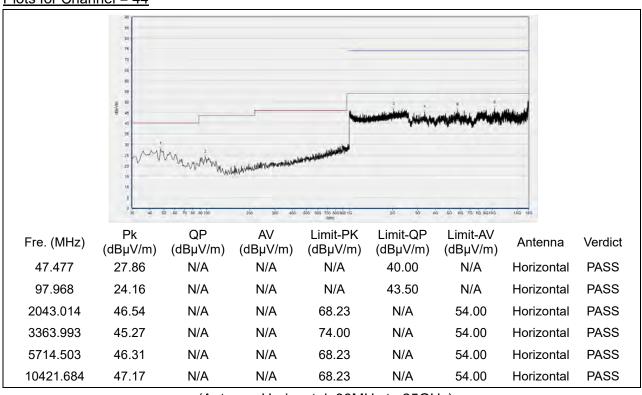
(Antenna Horizontal, 30MHz to 25GHz)



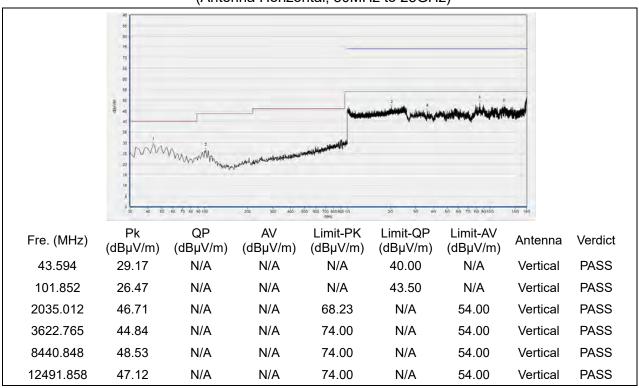




Plots for Channel = 44



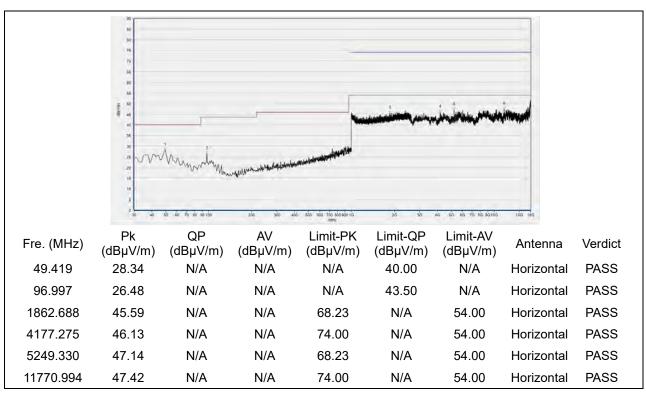
(Antenna Horizontal, 30MHz to 25GHz)



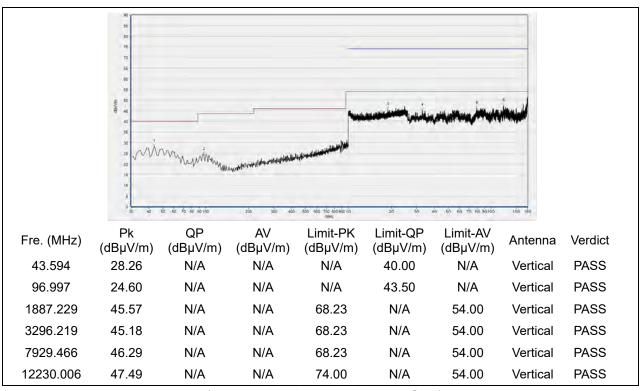




Plot for Channel = 48



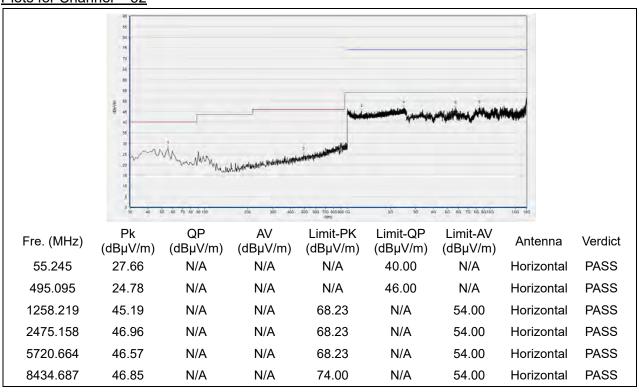
(Antenna Horizontal, 30MHz to 25GHz)



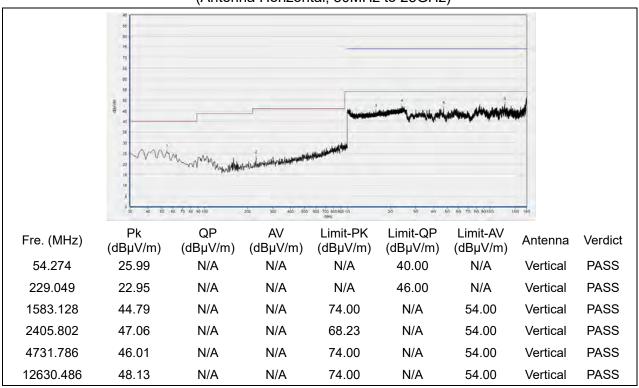




Plots for Channel = 52



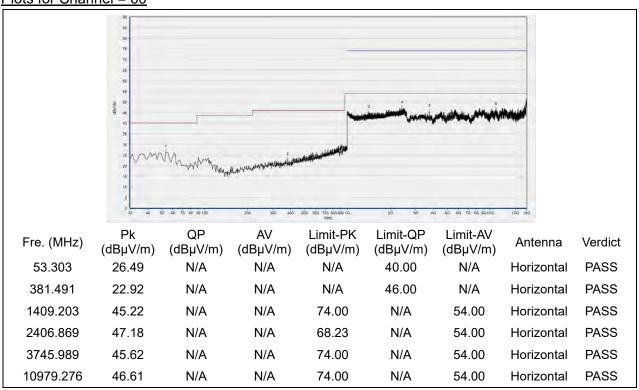
(Antenna Horizontal, 30MHz to 25GHz)



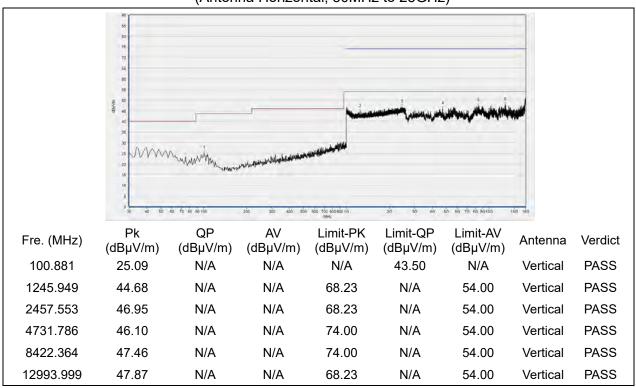




Plots for Channel = 60



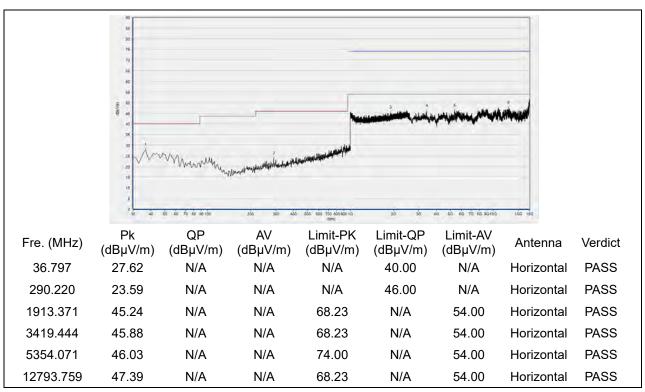
(Antenna Horizontal, 30MHz to 25GHz)



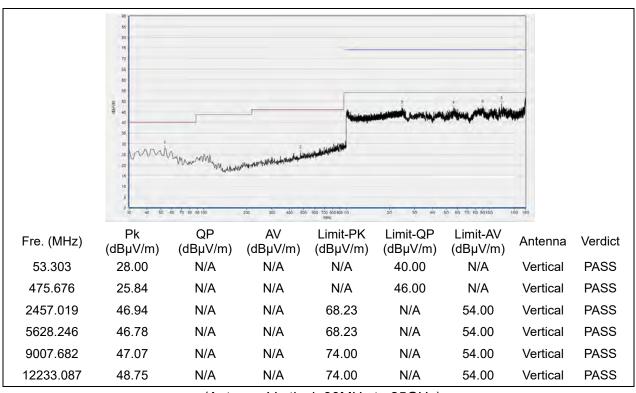




Plot for Channel = 64



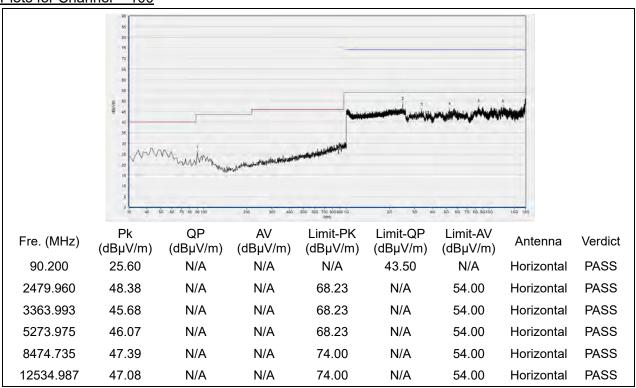
(Antenna Horizontal, 30MHz to 25GHz)



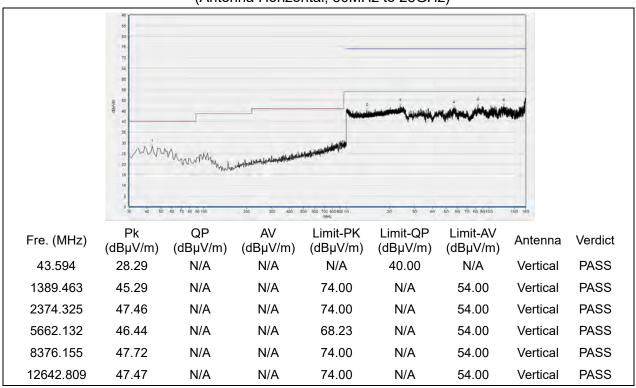




Plots for Channel = 100



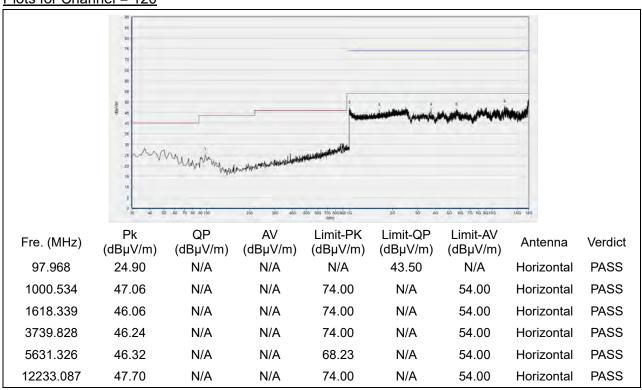
(Antenna Horizontal, 30MHz to 25GHz)



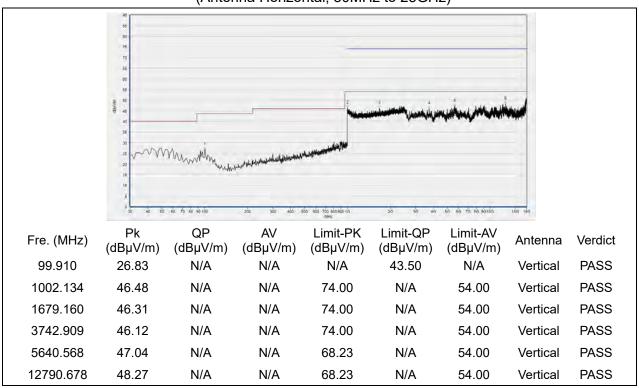




Plots for Channel = 120



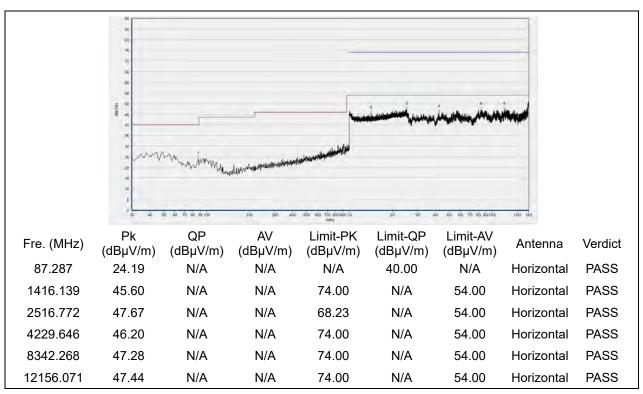
(Antenna Horizontal, 30MHz to 25GHz)



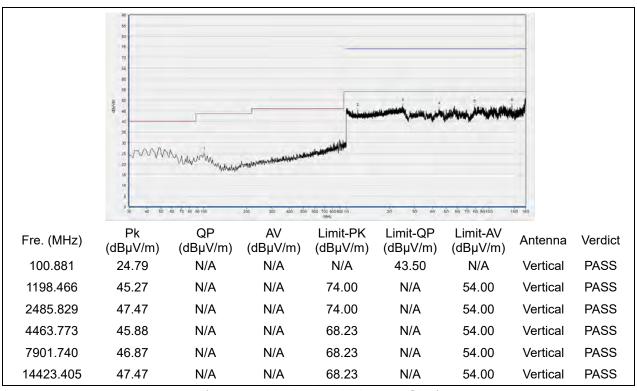




Plot for Channel = 144



(Antenna Horizontal, 30MHz to 25GHz)



(Antenna Vertical, 30MHz to 25GHz)

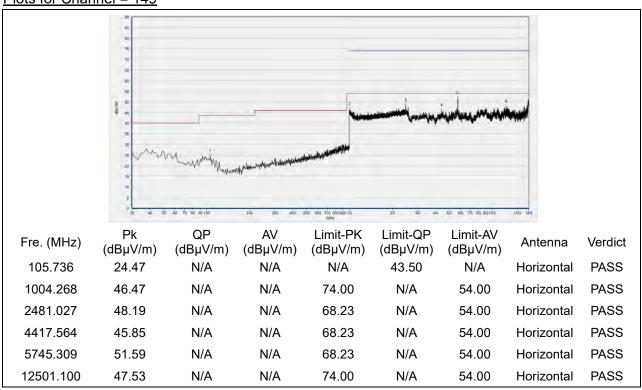


Tel: 86-755-36698555

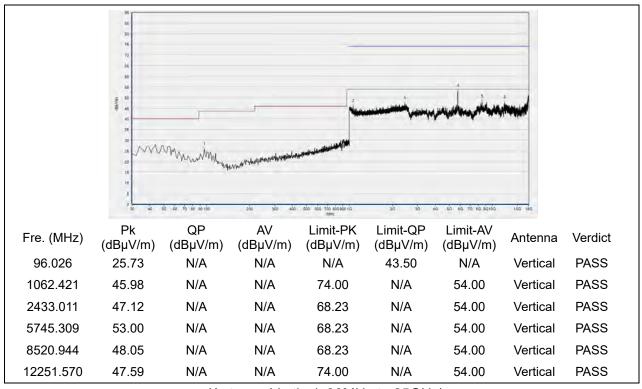
Http://www.morlab.cn



Plots for Channel = 149



(Antenna Horizontal, 30MHz to 25GHz)



(Antenna Vertical, 30MHz to 25GHz)

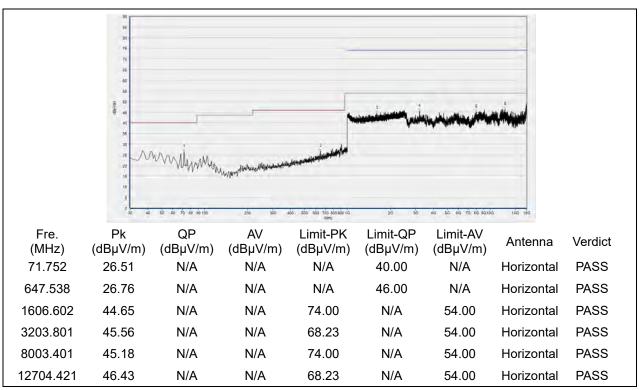


Tel: 86-755-36698555

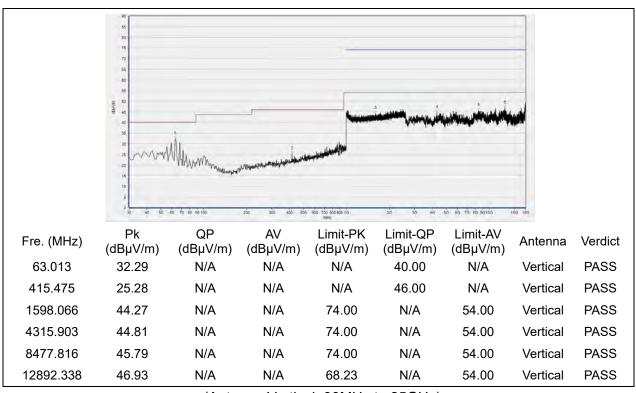
Http://www.morlab.cn



Plot for Channel = 157



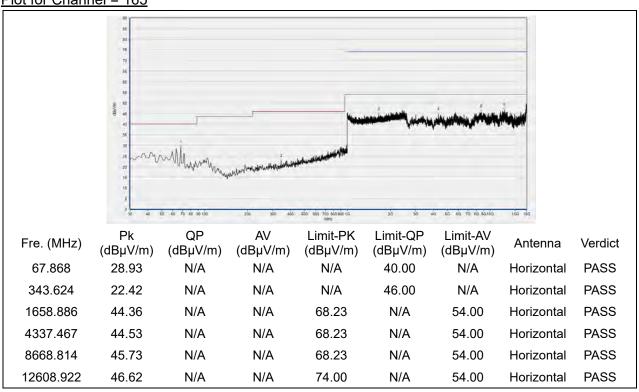
(Antenna Horizontal, 30MHz to 25GHz)



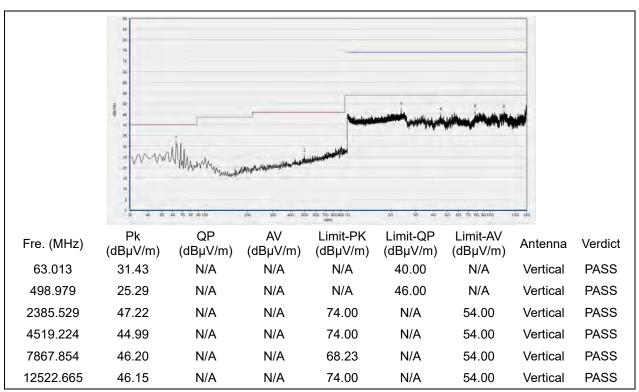




Plot for Channel = 165



(Antenna Horizontal, 30MHz to 25GHz)



(Antenna Vertical, 30MHz to 25GHz)



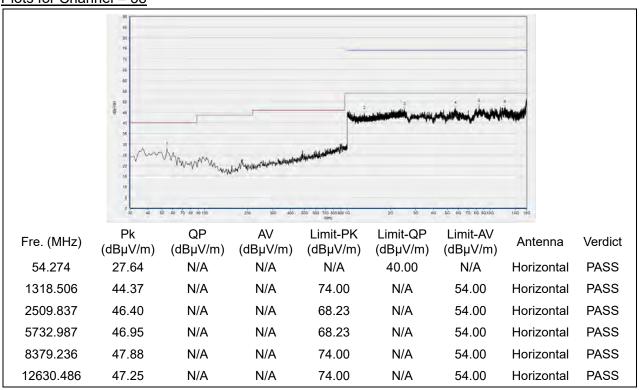
Tel: 86-755-36698555

Http://www.morlab.cn

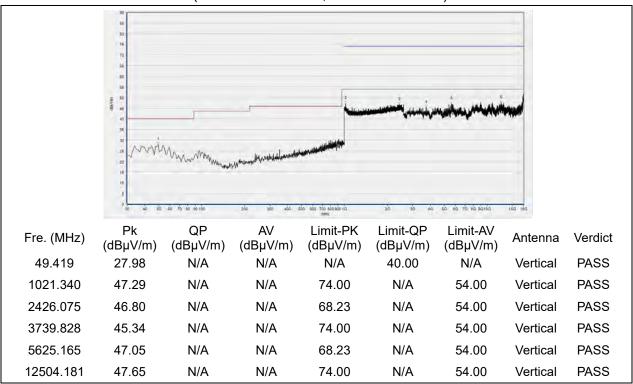


802.11ac (VHT40) Test mode

Plots for Channel = 38



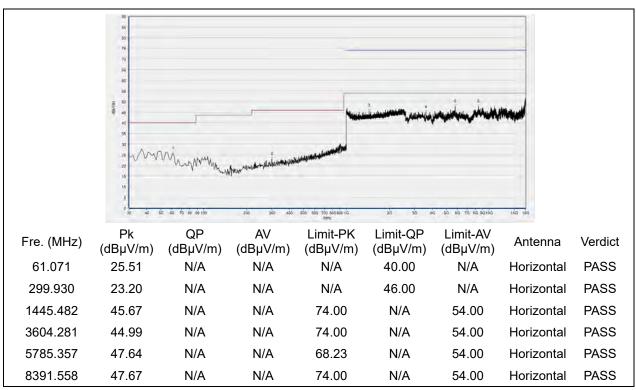
(Antenna Horizontal, 30MHz to 25GHz)



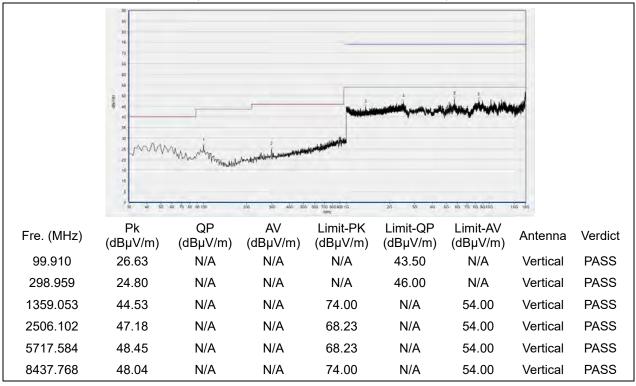




Plot for Channel = 46



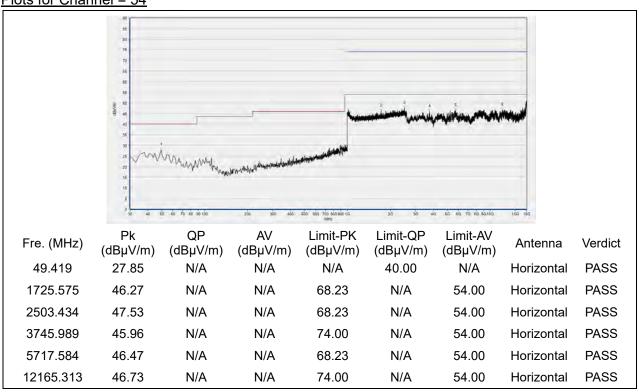
(Antenna Horizontal, 30MHz to 25GHz)



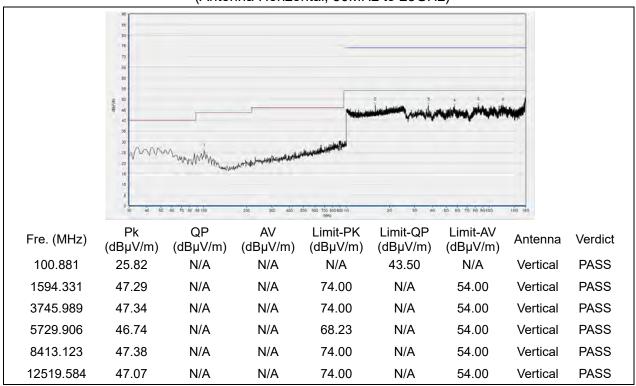




Plots for Channel = 54



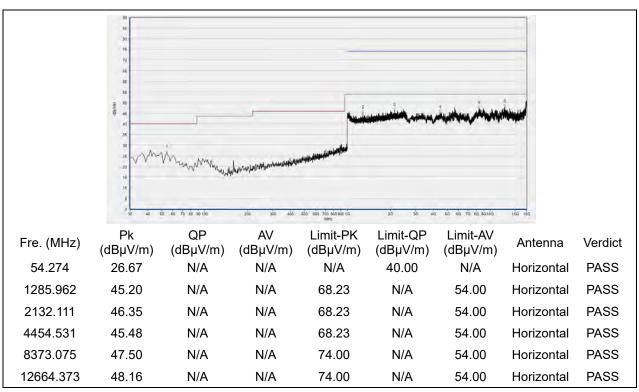
(Antenna Horizontal, 30MHz to 25GHz)



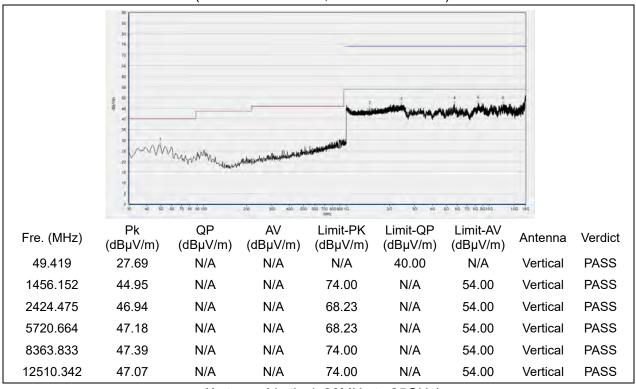




Plot for Channel = 62



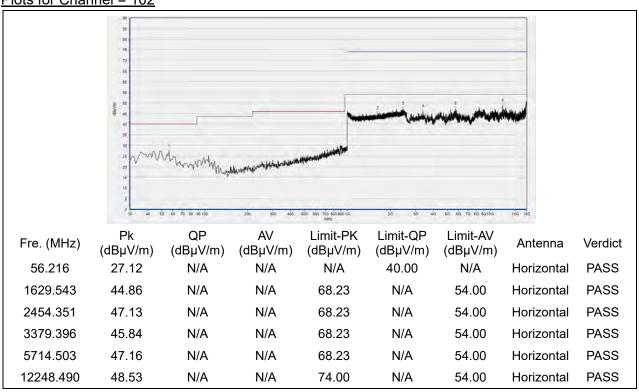
(Antenna Horizontal, 30MHz to 25GHz)



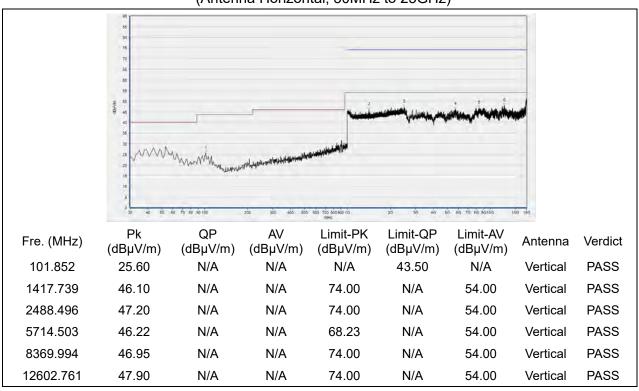




Plots for Channel = 102



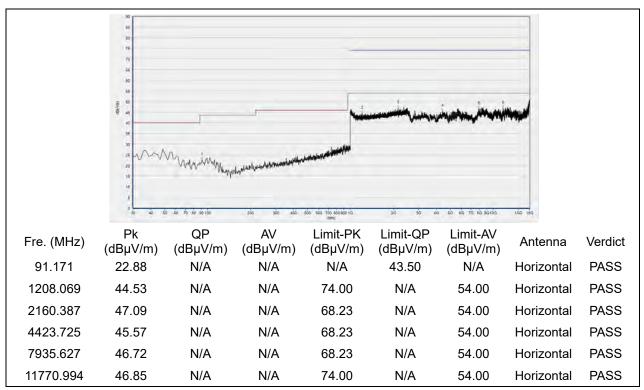
(Antenna Horizontal, 30MHz to 25GHz)



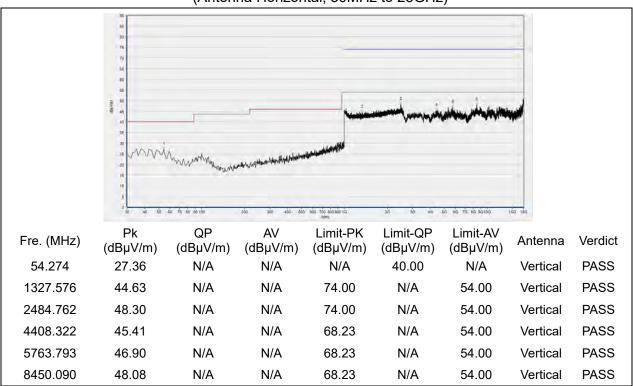




Plot for Channel = 126



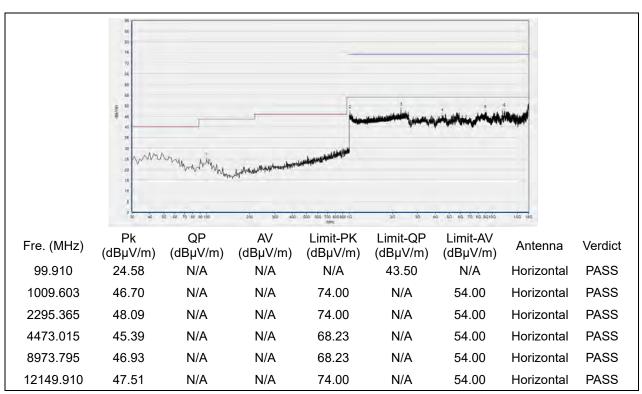
(Antenna Horizontal, 30MHz to 25GHz)



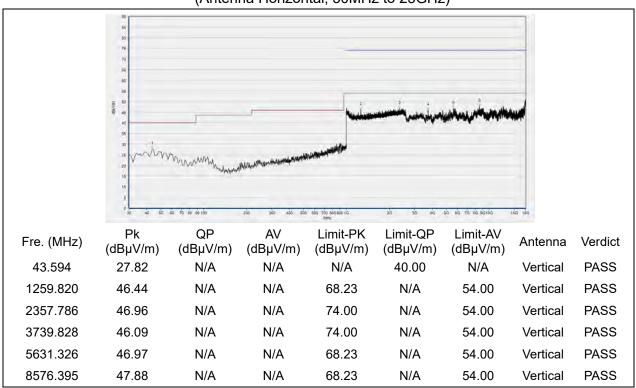




Plot for Channel = 142



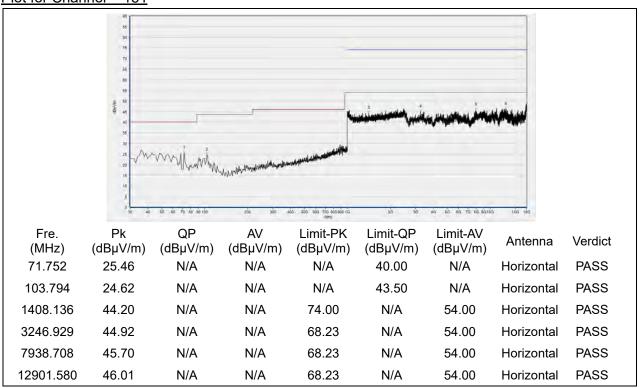
(Antenna Horizontal, 30MHz to 25GHz)



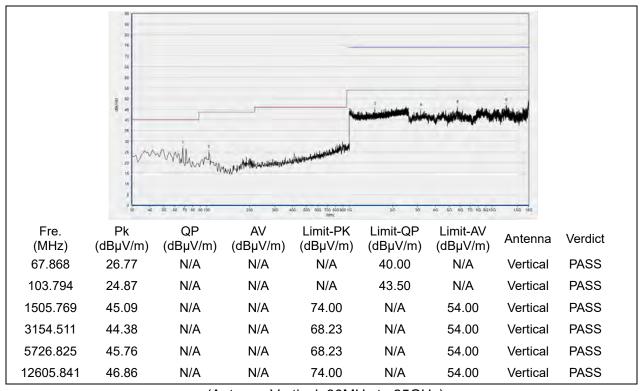




Plot for Channel = 151



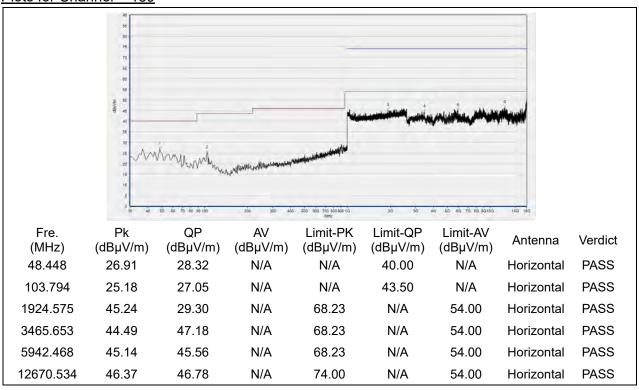
(Antenna Horizontal, 30MHz to 25GHz)



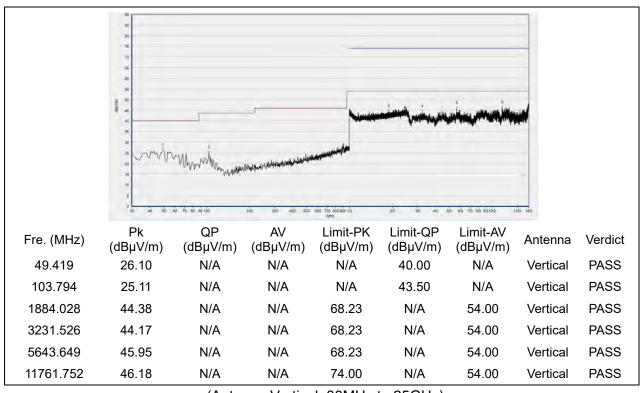




Plots for Channel = 159



(Antenna Horizontal, 30MHz to 25GHz)

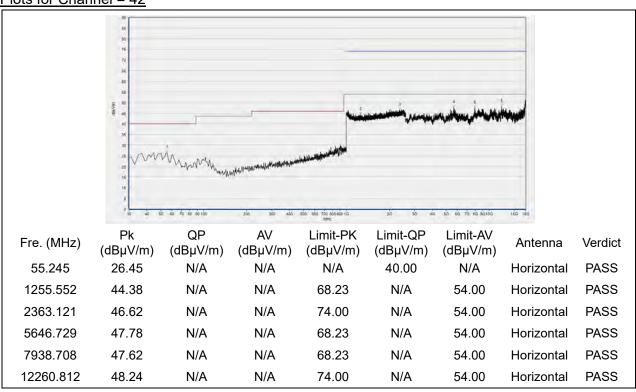




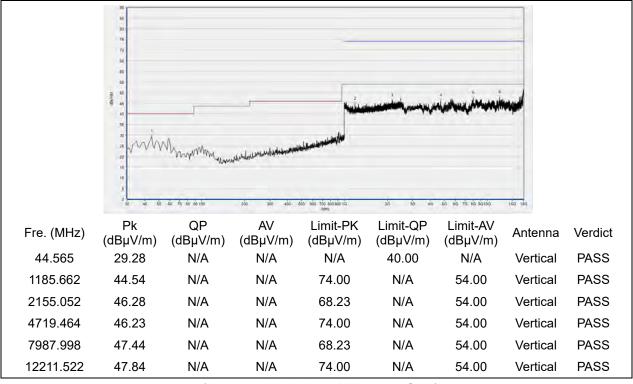


802.11ac (VHT80) Test mode

Plots for Channel = 42



(Antenna Horizontal, 30MHz to 25GHz)



(Antenna Vertical, 30MHz to 25GHz)

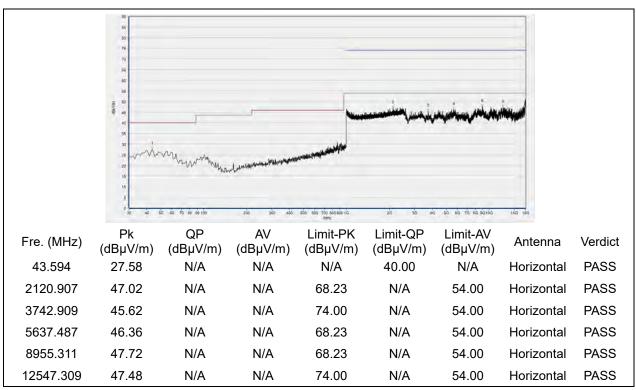


Tel: 86-755-36698555

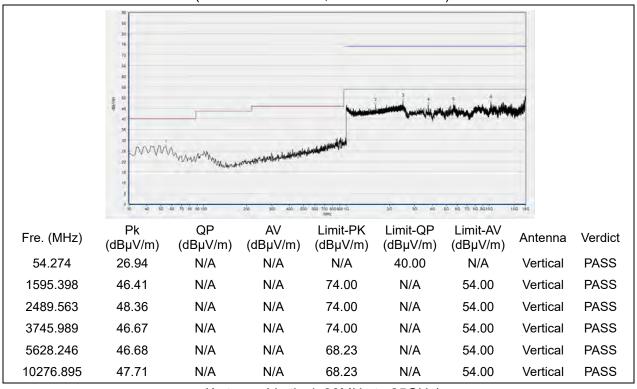
Http://www.morlab.cn



Plot for Channel = 58



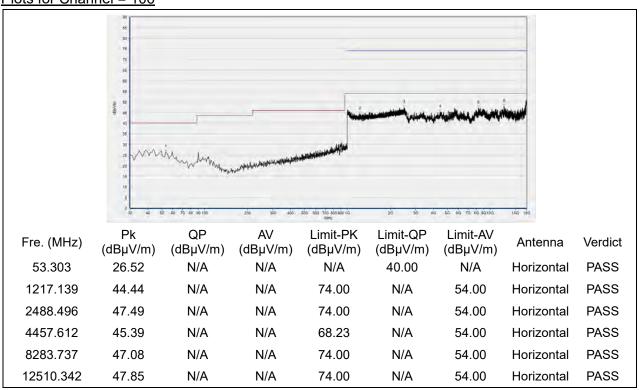
(Antenna Horizontal, 30MHz to 25GHz)



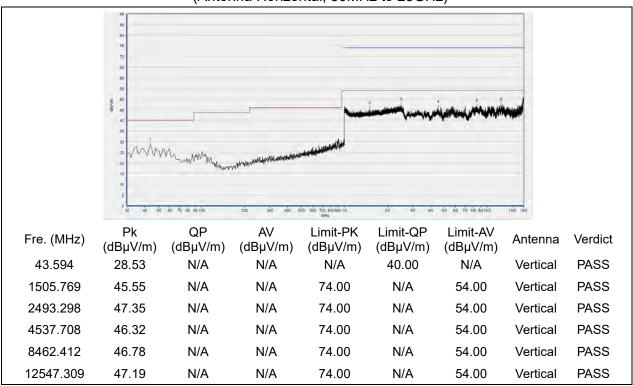




Plots for Channel = 106



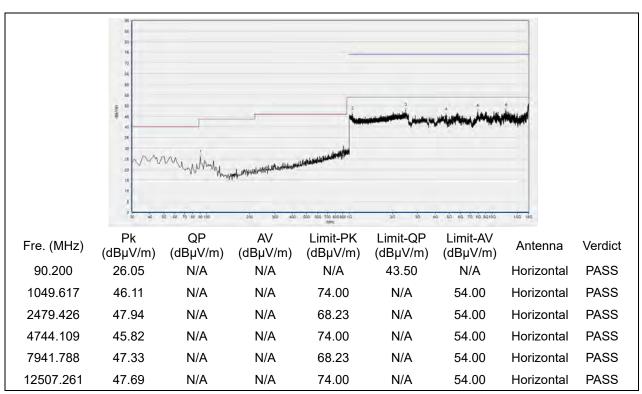
(Antenna Horizontal, 30MHz to 25GHz)



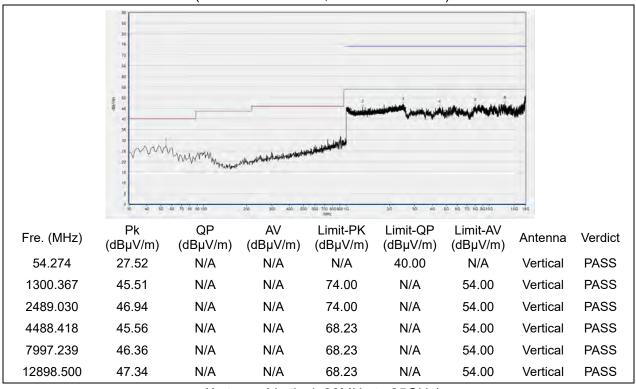




Plot for Channel = 122



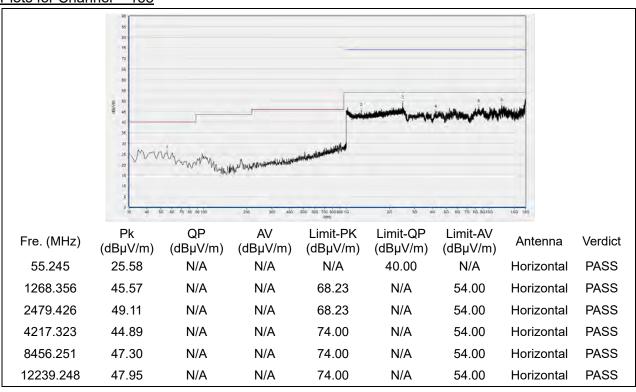
(Antenna Horizontal, 30MHz to 25GHz)



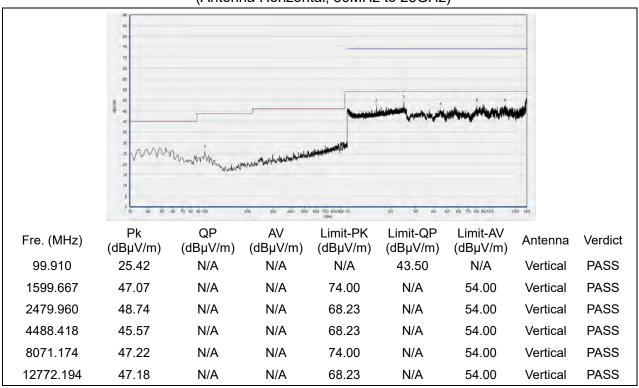




Plots for Channel = 138



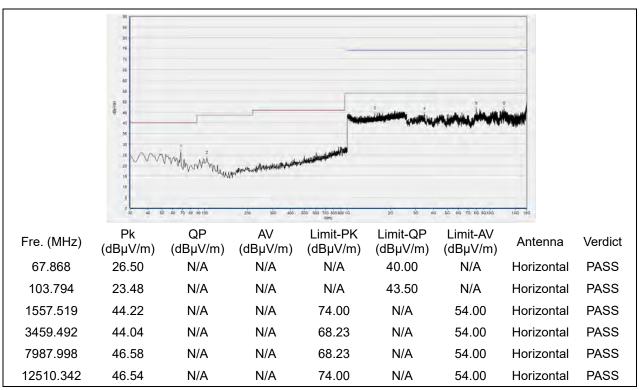
(Antenna Horizontal, 30MHz to 25GHz)



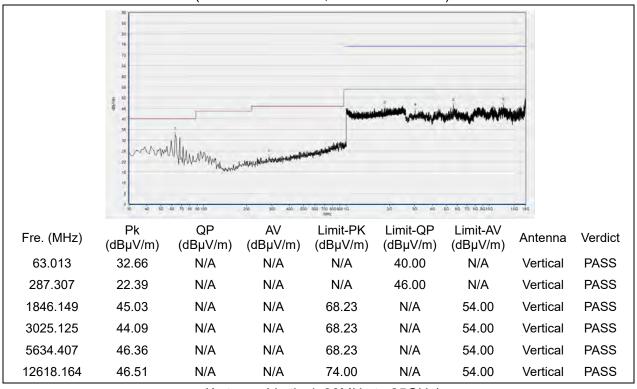




Plot for Channel = 155



(Antenna Horizontal, 30MHz to 25GHz)







2.10. Automatically discontinue transmission requirement

2.10.1. Requirement

According to 15.407(c), 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

2.10.2. Result

The EUT will automatically discontinue transmission in case of either absence of information to transmit or operational failure.





Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	±2.22dB
Power spectral density (PSD)	±2.22dB
Bandwidth	±5%
Restricted Frequency Bands	±5%
Radiated Emission	±2.95dB
Conducted Emission	±2.44dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2





Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.		
	Morlab Laboratory		
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang		
	Road, Block 67, BaoAn District, ShenZhen, GuangDong		
	Province, P. R. China		
Telephone:	+86 755 36698555		
Facsimile:	+86 755 36698525		

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory		
	FL.3, Building A, FeiYang Science Park, No.8 LongChang		
Address:	Road, Block 67, BaoAn District, ShenZhen, GuangDong		
	Province, P. R. China		

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.





4. Test Equipments Utilized

4.1 Conducted Test Equipments

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Attenuator 1	(N/A)	10dB	Resnet	2018.04.17	2019.04.16
EXA Signal Analzyer	MY53470836	N9010A	Agilent	2018.11.06	2019.11.05
USB Wideband Power Sensor	MY54210011	U2021XA	Agilent	2018.04.17	2019.04.16
RF cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial cable	CB02	RF02	Morlab	N/A	N/A
SMA connector	CN01	RF03	HUBER- SUHNER	N/A	N/A
Temperature Chamber	(N/A)	HUT705P	CHONGQING HANBA EXPERIMENTAL EQUIPMENT CO.,LTD	2018.04.17	2019.04.16
Computer	T430i	Think Pad	Lenovo	N/A	N/A

4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Receiver	MY56400093	N9038A	KEYSIGHT	2018.05.08	2019.05.07
LISN	812744	NSLK 8127	Schwarzbeck	2018.05.08	2019.05.07
Pulse Limiter	9391	VTSD	Schwarzbeck	2018.05.08	2019.05.07
(20dB)	9391	9561-D	Scriwarzbeck	2018.03.08	2019.03.07
Coaxial cable(BNC)	CB01	EMC01	Morlab	N/A	N/A
(30MHz-26GHz)	CBUT	EMICOT	IVIOTIAD	IN/A	IN/A

4.3 List of Software Used

Description	Manufacturer	Software Version
Test system	Tonscend	V2.6
Power Panel	Agilent	V3.8
MORLAB EMCR V1.2	MORLAB	V 1.0



4.4 Radiated Test Equipments

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Cal. Due
Receiver	MY54130016	N9038A	Agilent	2018.08.04	2019.08.03
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2018.05.18	2019.05.17
Test Antenna - Horn	9170C-531	BBHA9170	Schwarzbeck	2018.03.03	2019.03.02
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2018.08.06	2019.08.05
Test Antenna - Horn	01774	BBHA 9120D	Schwarzbeck	2018.08.02	2019.08.01
Coaxial cable (N male) (9KHz-30MHz)	CB04	EMC04	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB02	EMC02	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-26GHz)	CB03	EMC03	Morlab	N/A	N/A
Coaxial cable (N male) (30MHz-40GHz)	CB05	EMC05	Morlab	N/A	N/A
1-18GHz pre-Amplifier	MA02	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
18-26.5GHz pre-Amplifier	MA03	TS-PR18	Rohde& Schwarz	2018.05.08	2019.05.07
26GHz -40GHz pre-Amplifier	MA05	BBV9721	Rohde& Schwarz	2018.05.08	2019.05.07
Notch Filter	N/A	WRCG- 5150-5350	Wainwright	2018.12.01	2019.11.30
Notch Filter	N/A	WRCG- 5470-5725	Wainwright	2018.12.01	2019.11.30
Notch Filter	N/A	WRCG- 5725-5850	Wainwright	2018.12.01	2019.11.30

END OF REPORT	

