

FCC REPORT

Applicant: RADIXON s.r.o.

Address of Applicant: Opátska 19, 040 18 Košice-Krásna, Slovakia

Equipment Under Test (EUT)

Product Name: G6 external wideband receiver up to 8 GHz

Model No.: WR-G69DDCe

Trade mark: WiNRADiO

FCC ID: 2AQYWG6E9

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 29 Apr., 2020

Date of Test: 30 Apr., to 29 Oct., 2020

Date of report issued: 18 Jan., 2021

Test Result: PASS *

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

Authorized Signature:



Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	24 Dec., 2020	Original
01	18 Jan., 2021	Update page 6

Tested by:

Mike.ou

Test Engineer

Date:

18 Jan., 2021

Reviewed by:

Winner Zhang

Project Engineer

Date:

18 Jan., 2021

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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass
Receiver Conducted Power	Part 15.111	Pass
38dB Rejection	Part 15.121	N/A
Remark: 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Manufacturer provided attestation letter, no test required.		
Test Method:	ANSI C63.4:2014	

5 General Information

5.1 Client Information

Applicant:	RADIXON s.r.o.
Address:	Opátska 19, 040 18 Košice-Krásna, Slovakia
Manufacturer/ Factory:	RADIXON s.r.o.
Address:	Opátska 19, 040 18 Košice-Krásna, Slovakia

5.2 General Description of E.U.T.

Product Name:	G6 external wideband receiver up to 8 GHz
Model No.:	WR-G69DDCe
Rx Frequencies:	Range 1: 8 kHz to 80 MHz Range 2: 80 MHz to 8 GHz
AC adapter:	Model No.:A124-4120200G Input: AC100-240V, 50/60Hz 0.6A Output: DC 12.0V, 2.0A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode

Operating mode	Detail description
USB mode	Keep the EUT in receiving + AC/DC adapter +USB Link mode.
POE mode	Keep the EUT in receiving + POE + LAN Link mode.

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

5.4 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
LENOVO	Laptop	SL510	2847A65	DoC
ZHONGCHI	Antenna	YL-AN0727+1101BSM	/	/
Fo Shan Great Power Co., LTD	POE POWER ADAPTER	GRT-POE20-480050A	1807250001	/
ZyXEL	POE POWER ADAPTER	PoE12-HP	/	/

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

Cable Type	Description	Length	From	To
Detached USB Cable	Shielding	0.78m	EUT	PC

5.8 Additions to, deviations, or exclusions from the method

No

5.9 Laboratory Facility

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

- **FCC - Designation No.: CN1211**
JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.
- **ISED – CAB identifier.: CN0021**
The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.
- **A2LA - Registration No.: 4346.01**
This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

5.10 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
 Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
 Tel: +86-755-23118282, Fax:+86-755-23116366
 Email: info@ccis-cb.com, Website: <http://www.ccis-cb.com>

5.11 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020
				07-21-2020	07-20-2023
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-07-2020	03-06-2021
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
				06-22-2020	06-21-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2020	03-04-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2020	03-04-2021
EXG Analog Signal Gnerator	KEYSIGHT	N5173B	MY59101009	11-28-2019	11-27-2020
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-05-2020	03-04-2021
EXG Analog Signal Gnerator	KEYSIGHT	N5173B	MY59101009	11-28-2019	11-27-2020
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2020	03-04-2021
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2020
				07-20-2020	07-19-2021
Cable	HP	10503A	N/A	03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		

6 Test results and Measurement Data

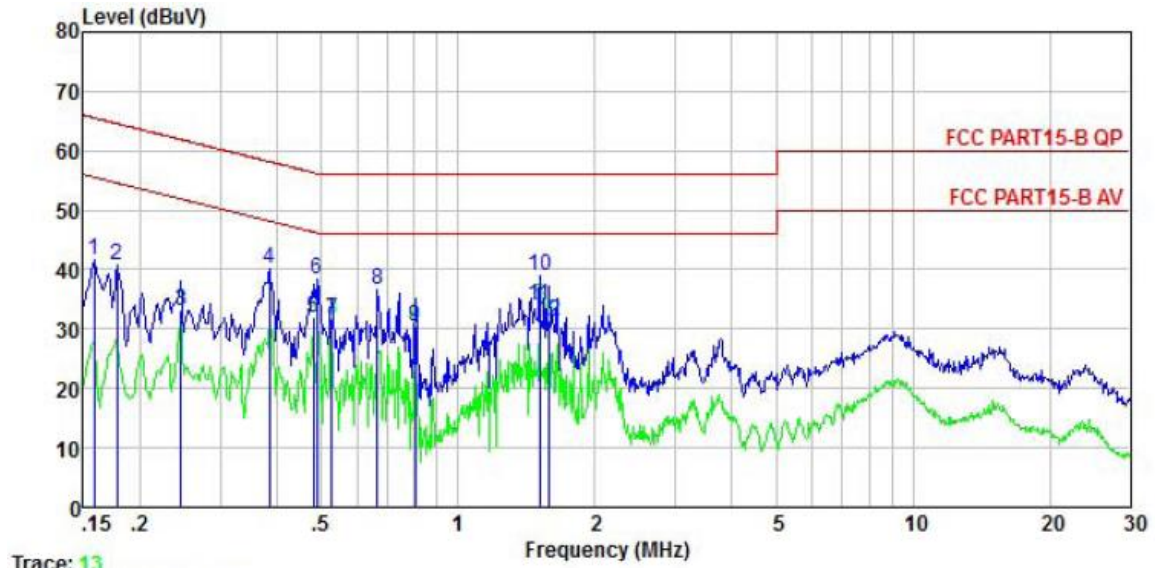
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	Limit (dB μ V)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	0.5-30	60	50
* Decreases with the logarithm of the frequency.			
Test setup:	<p>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>		
Test procedure	<ol style="list-style-type: none"> The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4(latest version) on conducted measurement. 		
Test Instruments:	Refer to section 5.11 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

Measurement data:

Rang 1(8KHz~80MHz):

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	USB mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



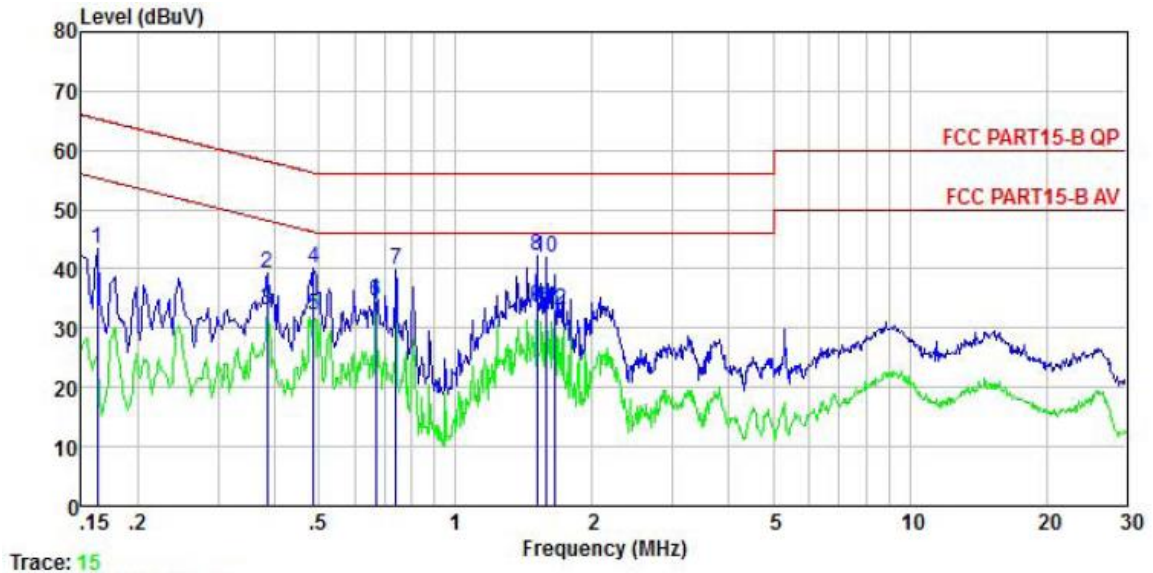
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	Read Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	31.59	-0.57	-0.07	10.77	41.72	65.56	-23.84	QP
2	0.178	30.56	-0.58	-0.12	10.77	40.63	64.59	-23.96	QP
3	0.246	23.06	-0.57	-0.21	10.75	33.03	51.91	-18.88	Average
4	0.385	29.53	-0.49	0.33	10.72	40.09	58.17	-18.08	QP
5	0.481	21.74	-0.44	-0.24	10.75	31.81	46.32	-14.51	Average
6	0.489	28.27	-0.44	-0.26	10.76	38.33	56.19	-17.86	QP
7	0.527	21.78	-0.45	-0.36	10.76	31.73	46.00	-14.27	Average
8	0.665	26.60	-0.51	-0.39	10.77	36.47	56.00	-19.53	QP
9	0.804	20.10	-0.56	-0.07	10.81	30.28	46.00	-15.72	Average
10	1.511	28.73	-0.55	-0.01	10.92	39.09	56.00	-16.91	QP
11	1.511	23.47	-0.55	-0.01	10.92	33.83	46.00	-12.17	Average
12	1.585	21.10	-0.55	-0.05	10.93	31.43	46.00	-14.57	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	USB mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



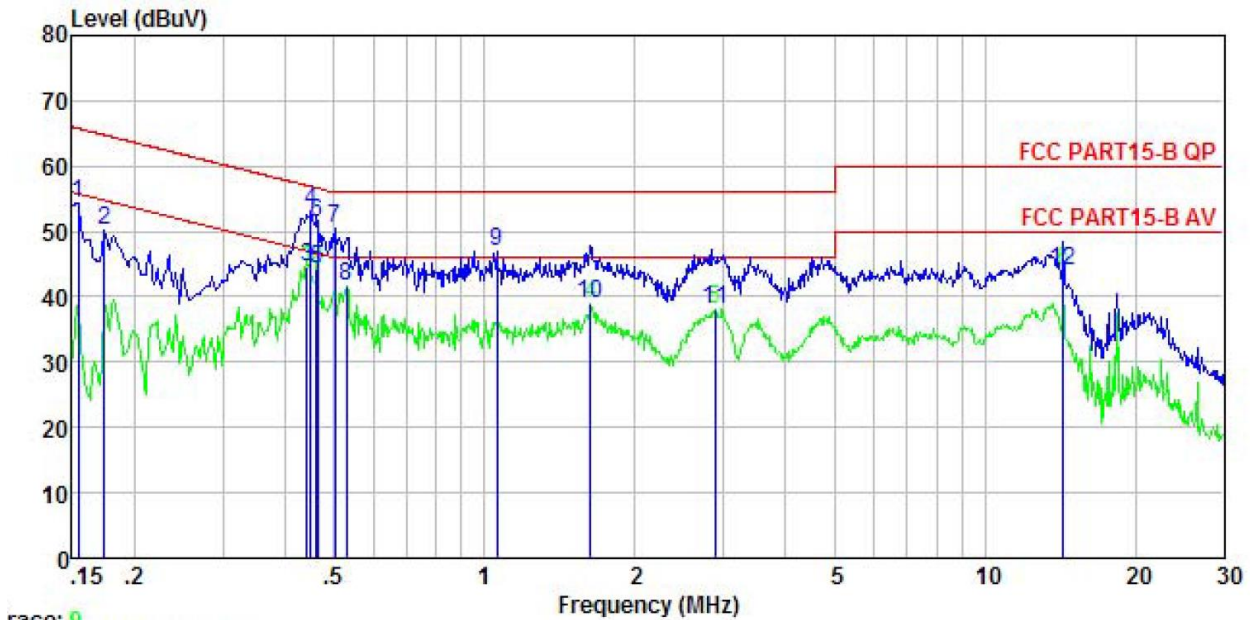
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	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.162	33.32	-0.68	0.01	10.77	43.42	65.34	-21.92	QP
2	0.385	29.33	-0.64	-0.05	10.72	39.36	58.17	-18.81	QP
3	0.385	23.10	-0.64	-0.05	10.72	33.13	48.17	-15.04	Average
4	0.486	29.95	-0.65	0.02	10.76	40.08	56.23	-16.15	QP
5	0.486	21.95	-0.65	0.02	10.76	32.08	46.23	-14.15	Average
6	0.668	24.24	-0.64	0.04	10.77	34.41	46.00	-11.59	Average
7	0.739	29.61	-0.65	0.05	10.79	39.80	56.00	-16.20	QP
8	1.511	31.96	-0.70	0.13	10.92	42.31	56.00	-13.69	QP
9	1.511	23.37	-0.70	0.13	10.92	33.72	46.00	-12.28	Average
10	1.585	31.43	-0.70	0.14	10.93	41.80	56.00	-14.20	QP
11	1.585	22.90	-0.70	0.14	10.93	33.27	46.00	-12.73	Average
12	1.654	22.75	-0.70	0.15	10.94	33.14	46.00	-12.86	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	POEmode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%

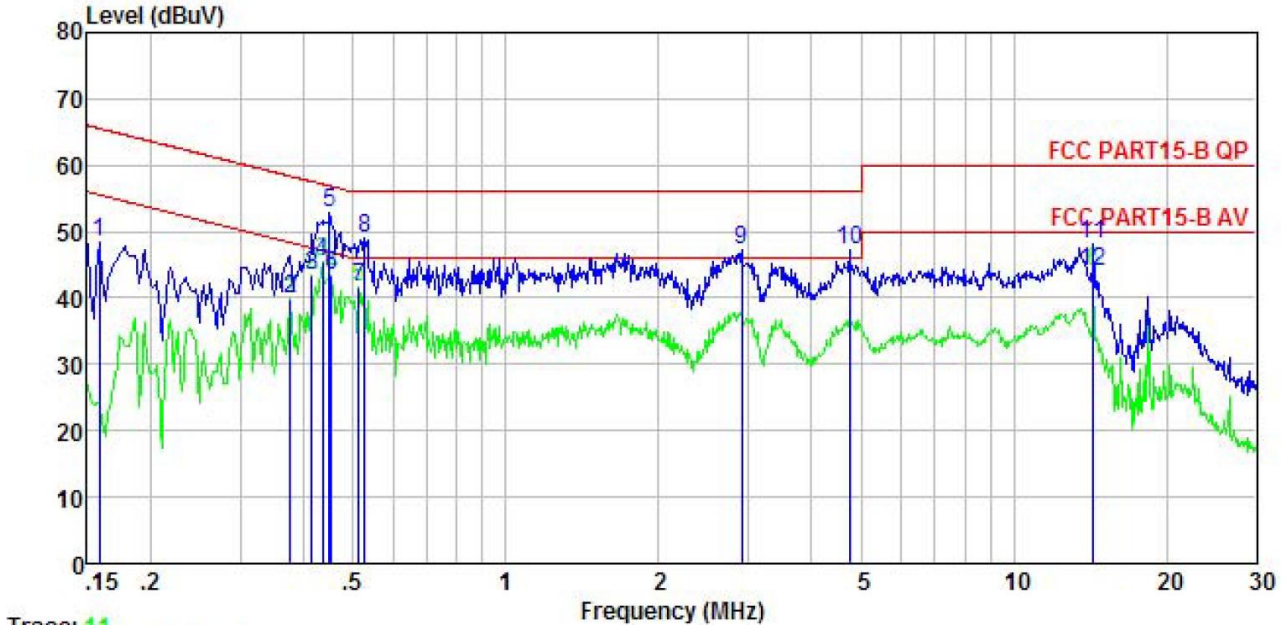


	Read Freq	Read Level	LISN Factor	Cable Loss	Level	Limit	Over	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.154	44.15	-0.57	10.78	54.30	65.78	-11.48	QP
2	0.174	39.98	-0.58	10.77	50.06	64.77	-14.71	QP
3	0.442	34.25	-0.46	10.74	44.61	47.02	-2.41	Average
4	0.449	42.77	-0.45	10.74	53.08	56.89	-3.81	QP
5	0.461	34.14	-0.45	10.74	44.37	46.67	-2.30	Average
6	0.464	41.21	-0.45	10.75	51.42	56.63	-5.21	QP
7	0.502	40.37	-0.43	10.76	50.35	56.00	-5.65	QP
8	0.529	31.60	-0.45	10.76	41.55	46.00	-4.45	Average
9	1.060	36.38	-0.61	10.88	47.05	56.00	-8.95	QP
10	1.628	28.62	-0.54	10.93	38.92	46.00	-7.08	Average
11	2.884	27.78	-0.44	10.92	38.04	46.00	-7.96	Average
12	14.364	30.49	-0.69	10.90	44.11	50.00	-5.89	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	receiving + POE + LAN Link mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



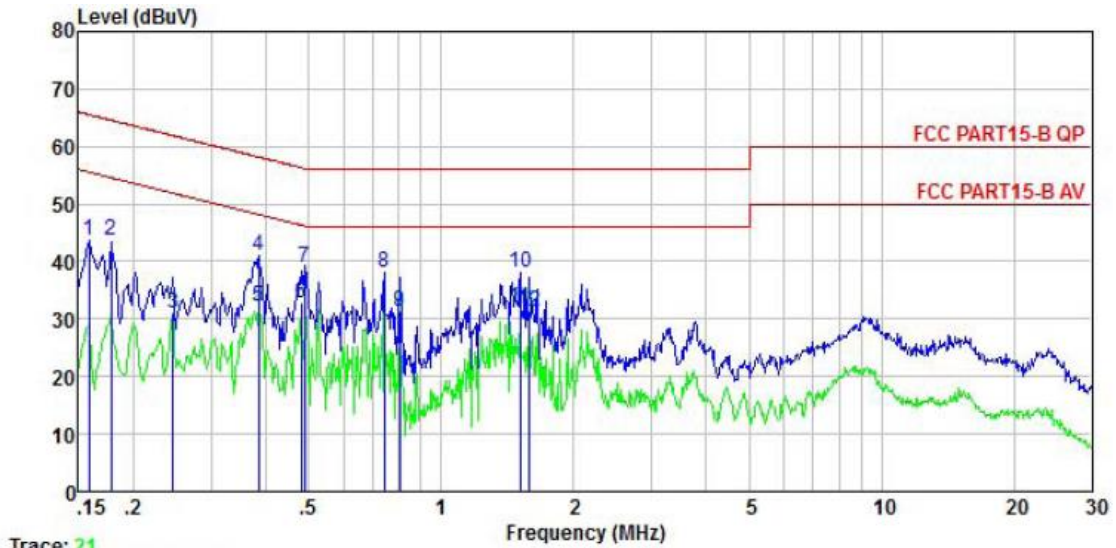
	Read Freq	Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.158	38.21	-0.69	10.77	48.30	65.56	-17.26	QP
2	0.377	29.74	-0.64	10.72	39.78	48.34	-8.56	Average
3	0.415	33.22	-0.63	10.73	43.27	47.55	-4.28	Average
4	0.435	35.34	-0.64	10.73	45.40	47.15	-1.75	Average
5	0.449	42.76	-0.64	10.74	52.85	56.89	-4.04	QP
6	0.454	33.18	-0.64	10.74	43.27	46.80	-3.53	Average
7	0.513	31.42	-0.65	10.76	41.56	46.00	-4.44	Average
8	0.527	38.95	-0.65	10.76	49.09	56.00	-6.91	QP
9	2.915	36.72	-0.65	10.92	47.29	56.00	-8.71	QP
10	4.746	36.28	-0.64	10.86	47.14	56.00	-8.86	QP
11	14.364	35.06	-0.81	10.90	48.06	60.00	-11.94	QP
12	14.364	30.92	-0.81	10.90	43.92	50.00	-6.08	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Rang 2(80MHz~8GHz):

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	USB mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



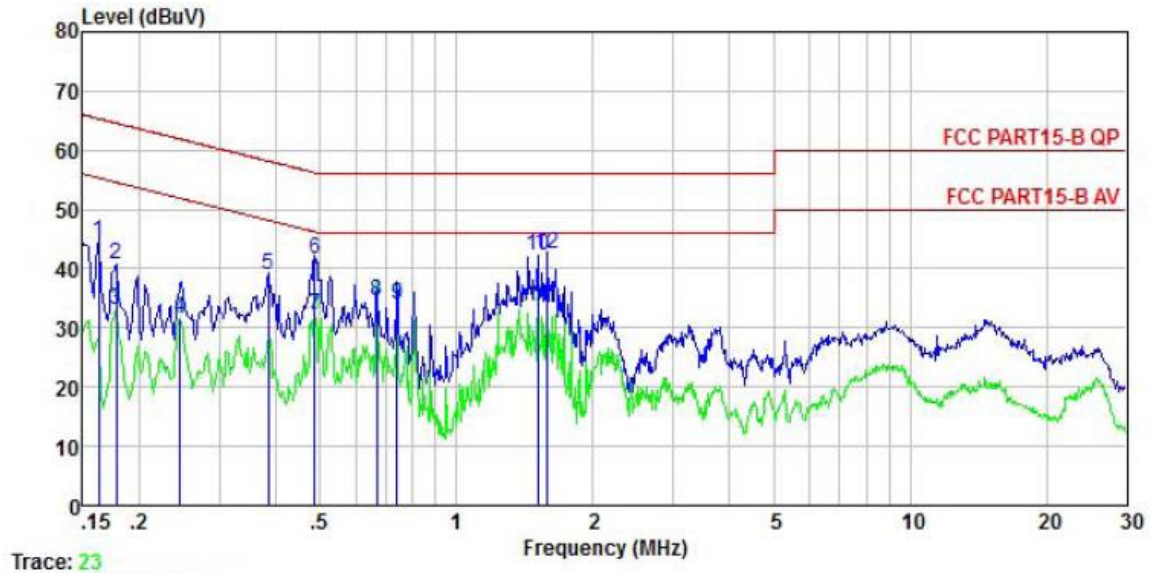
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	Read Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	33.54	-0.57	-0.07	10.77	43.67	65.56	-21.89	QP
2	0.178	33.51	-0.58	-0.12	10.77	43.58	64.59	-21.01	QP
3	0.246	21.06	-0.57	-0.21	10.75	31.03	51.91	-20.88	Average
4	0.385	30.53	-0.49	0.33	10.72	41.09	58.17	-17.08	QP
5	0.385	21.49	-0.49	0.33	10.72	32.05	48.17	-16.12	Average
6	0.481	22.74	-0.44	-0.24	10.75	32.81	46.32	-13.51	Average
7	0.489	29.01	-0.44	-0.26	10.76	39.07	56.19	-17.12	QP
8	0.743	28.03	-0.54	-0.26	10.79	38.02	56.00	-17.98	QP
9	0.804	21.10	-0.56	-0.07	10.81	31.28	46.00	-14.72	Average
10	1.511	27.73	-0.55	-0.01	10.92	38.09	56.00	-17.91	QP
11	1.511	21.47	-0.55	-0.01	10.92	31.83	46.00	-14.17	Average
12	1.585	21.10	-0.55	-0.05	10.93	31.43	46.00	-14.57	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	USB mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



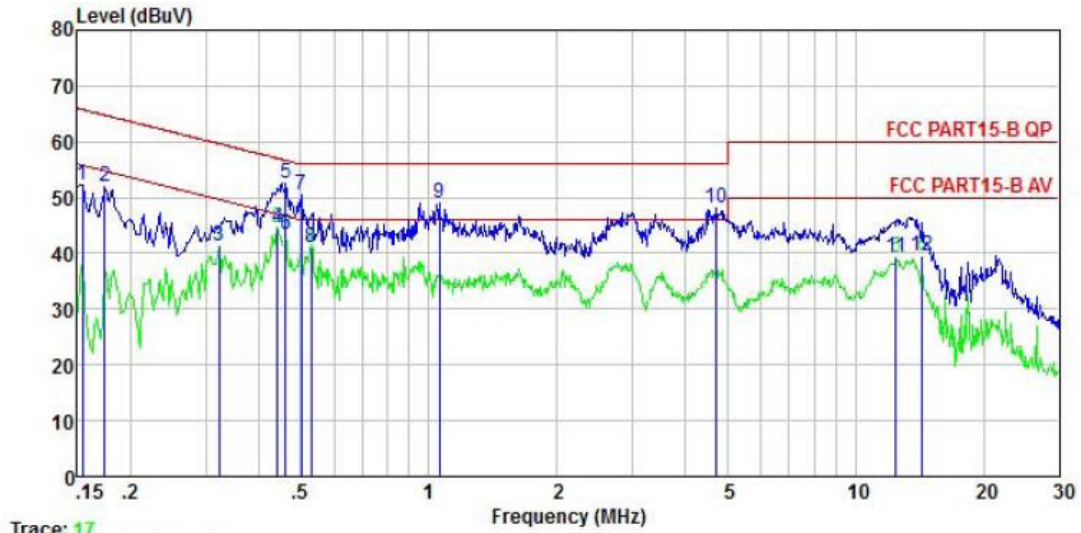
Trace: 23

	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.162	34.55	-0.68	0.01	10.77	44.65	65.34	-20.69	QP
2	0.178	30.51	-0.68	0.00	10.77	40.60	64.59	-23.99	QP
3	0.178	22.91	-0.68	0.00	10.77	33.00	54.59	-21.59	Average
4	0.246	21.43	-0.67	0.01	10.75	31.52	51.91	-20.39	Average
5	0.385	28.83	-0.64	-0.05	10.72	38.86	58.17	-19.31	QP
6	0.486	31.52	-0.65	0.02	10.76	41.65	56.23	-14.58	QP
7	0.486	21.95	-0.65	0.02	10.76	32.08	46.23	-14.15	Average
8	0.668	24.24	-0.64	0.04	10.77	34.41	46.00	-11.59	Average
9	0.739	23.68	-0.65	0.05	10.79	33.87	46.00	-12.13	Average
10	1.511	31.96	-0.70	0.13	10.92	42.31	56.00	-13.69	QP
11	1.511	23.37	-0.70	0.13	10.92	33.72	46.00	-12.28	Average
12	1.585	32.24	-0.70	0.14	10.93	42.61	56.00	-13.39	QP

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	POEmode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%



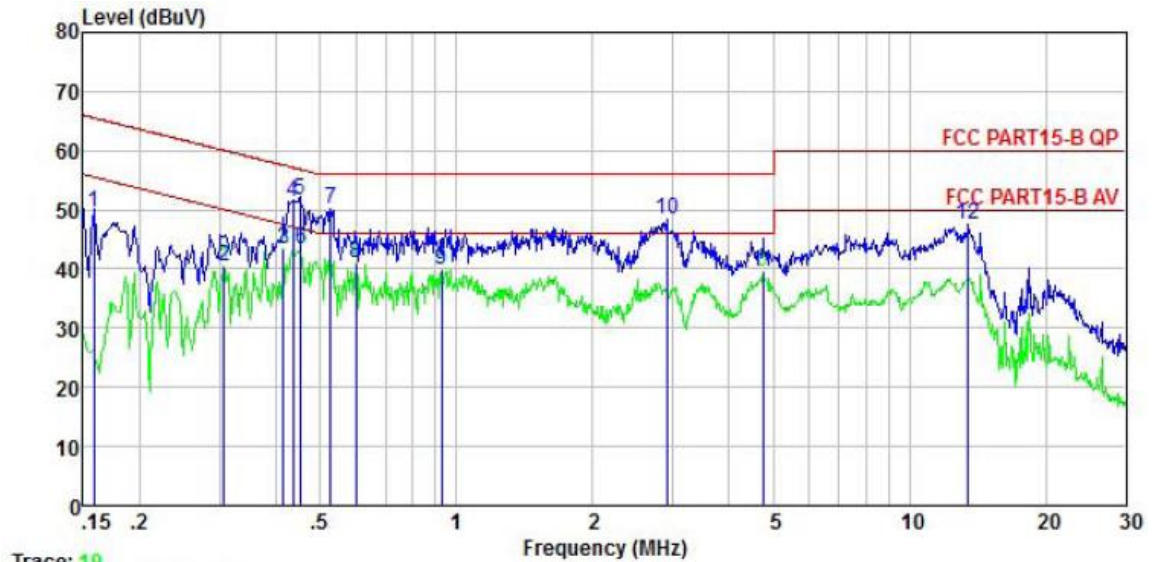
Trace: 17

	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	42.15	-0.57	-0.06	10.78	52.30	65.78	-13.48	QP
2	0.174	41.98	-0.58	-0.11	10.77	52.06	64.77	-12.71	QP
3	0.322	31.21	-0.53	-0.09	10.74	41.33	49.66	-8.33	Average
4	0.442	34.25	-0.46	0.08	10.74	44.61	47.02	-2.41	Average
5	0.461	42.28	-0.45	-0.06	10.74	52.51	56.67	-4.16	QP
6	0.461	33.14	-0.45	-0.06	10.74	43.37	46.67	-3.30	Average
7	0.502	40.37	-0.43	-0.35	10.76	50.35	56.00	-5.65	QP
8	0.529	31.16	-0.45	-0.36	10.76	41.11	46.00	-4.89	Average
9	1.060	38.38	-0.61	0.40	10.88	49.05	56.00	-6.95	QP
10	4.721	37.63	-0.39	0.05	10.86	48.15	56.00	-7.85	QP
11	12.449	26.08	-0.71	2.85	10.92	39.14	50.00	-10.86	Average
12	14.364	25.90	-0.69	3.41	10.90	39.52	50.00	-10.48	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

Product name:	G6 external wideband receiver up to 8 GHz	Product model:	WR-G69DDCe
Test by:	Mike	Test mode:	receiving + POE + LAN Link mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Humi: 55%



Trace: 19

	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	39.47	-0.69	0.01	10.77	49.56	65.56	-16.00	QP
2	0.307	30.38	-0.67	0.00	10.74	40.45	50.06	-9.61	Average
3	0.415	33.22	-0.63	-0.05	10.73	43.27	47.55	-4.28	Average
4	0.435	41.44	-0.64	-0.03	10.73	51.50	57.15	-5.65	QP
5	0.452	41.55	-0.64	-0.01	10.74	51.64	56.85	-5.21	QP
6	0.454	33.18	-0.64	-0.01	10.74	43.27	46.80	-3.53	Average
7	0.527	39.95	-0.65	0.03	10.76	50.09	56.00	-5.91	QP
8	0.601	30.77	-0.64	0.04	10.77	40.94	46.00	-5.06	Average
9	0.928	29.62	-0.67	0.07	10.85	39.87	46.00	-6.13	Average
10	2.915	37.80	-0.65	0.30	10.92	48.37	56.00	-7.63	QP
11	4.746	28.71	-0.64	0.64	10.86	39.57	46.00	-6.43	Average
12	13.479	34.75	-0.80	2.64	10.91	47.50	60.00	-12.50	QP

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

6.2 Radiated Emission

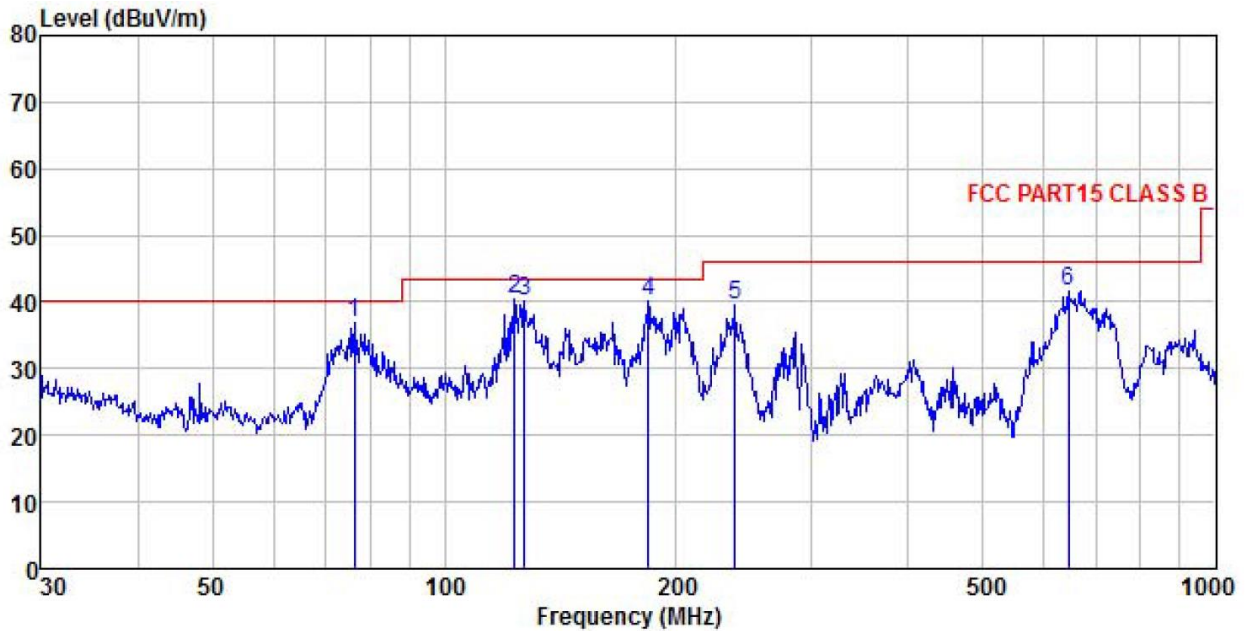
Test Requirement:	FCC Part 15 B Section 15.109				
Test Frequency Range:	Range 1: 30MHz to 6GHz Range 2: 30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
RMS		1MHz	3MHz	Average Value	
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.0		Quasi-peak Value	
	88MHz-216MHz	43.5		Quasi-peak Value	
	216MHz-960MHz	46.0		Quasi-peak Value	
	960MHz-1GHz	54.0		Quasi-peak Value	
Above 1GHz	54.0		Average Value		
	74.0		Peak Value		
Test setup:	<p>Below 1GHz</p>				
	<p>Above 1GHz</p>				
Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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 				

	<p>measurement.</p> <p>4. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>6. 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.</p>
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz were the noise floor and lower than the limit 20dB , which were no recorded

Measurement Data:

Range 1(8KHz~80MHz):
Below 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

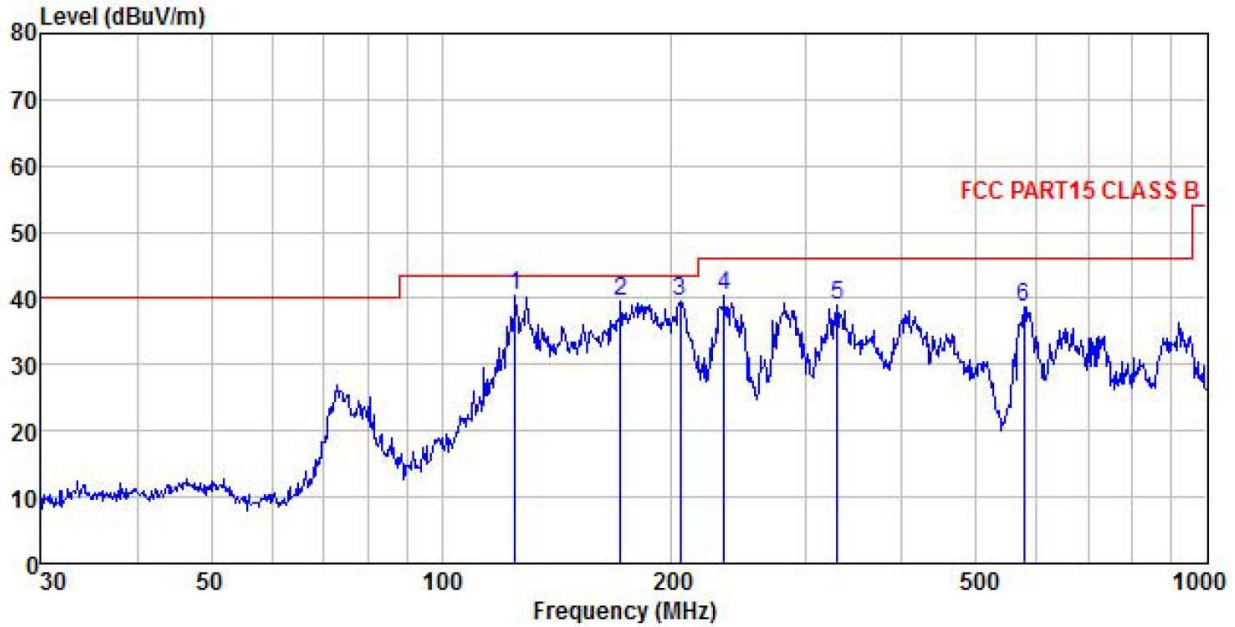


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	76.512	54.24	11.91	0.46	0.00	29.67	36.94	40.00	-3.06	QP
2	123.266	58.08	11.17	0.58	0.00	29.37	40.46	43.50	-3.04	QP
3	127.218	57.41	11.58	0.58	0.00	29.35	40.22	43.50	-3.28	QP
4	183.844	51.35	17.12	0.69	0.00	28.94	40.22	43.50	-3.28	QP
5	238.310	48.83	18.46	0.76	0.00	28.60	39.45	46.00	-6.55	QP
6	645.120	49.22	20.08	1.26	0.00	28.79	41.77	46.00	-4.23	QP

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamp Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%



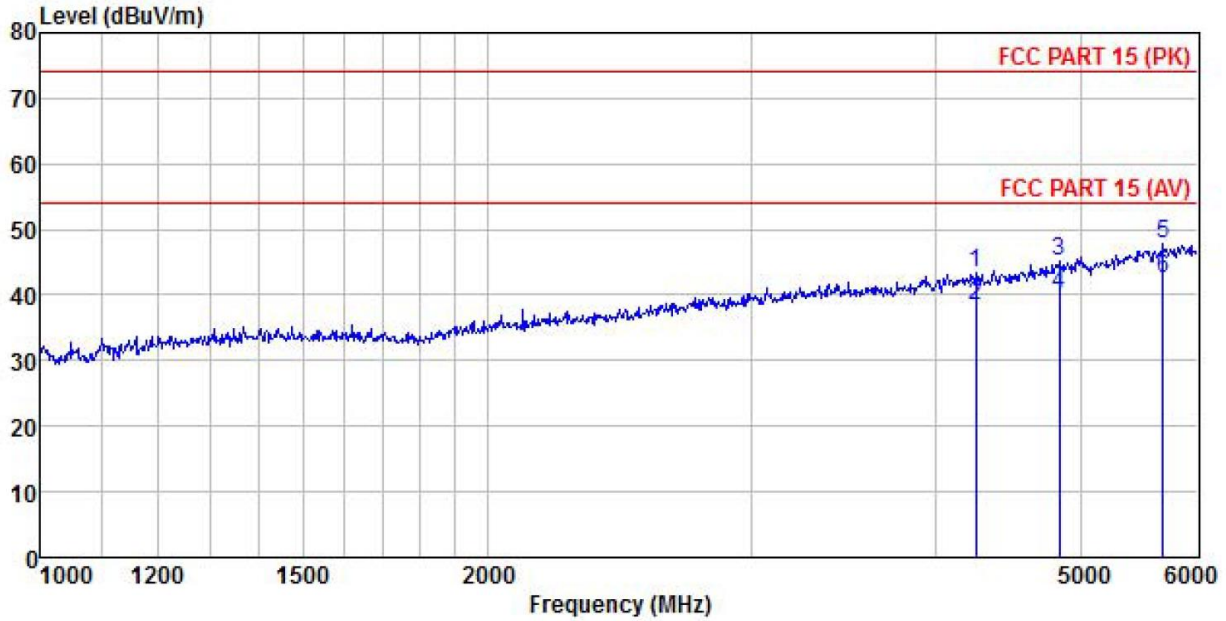
	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark	
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit		
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	125.007	57.84	11.40	0.58	0.00	29.36	40.46	43.50	-3.04 QP
2	171.393	51.43	16.58	0.66	0.00	29.04	39.63	43.50	-3.87 QP
3	204.955	49.38	18.32	0.73	0.00	28.80	39.63	43.50	-3.87 QP
4	234.168	49.76	18.44	0.75	0.00	28.63	40.32	46.00	-5.68 QP
5	329.039	47.88	18.76	0.90	0.00	28.51	39.03	46.00	-6.97 QP
6	576.644	46.82	19.76	1.19	0.00	29.01	38.76	46.00	-7.24 QP

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamp Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

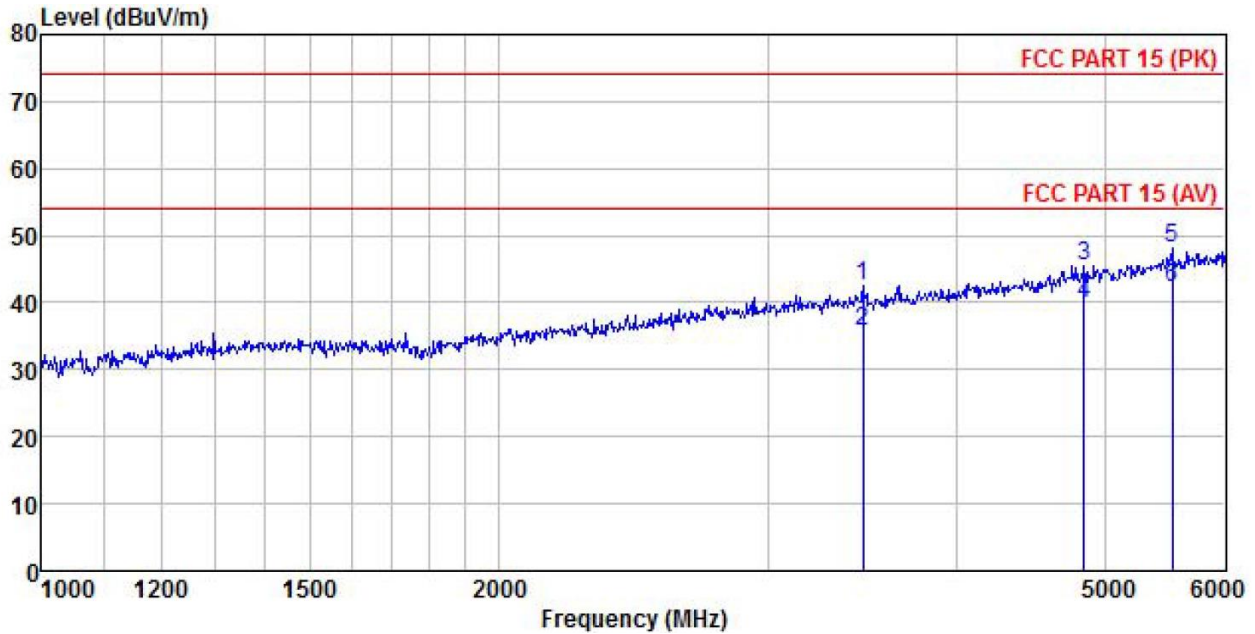


	Freq	ReadAntenna Level	Cable Loss Factor	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4253.498	47.42	29.72	5.96	2.28	41.85	43.53	74.00	-30.47 Peak
2	4253.498	42.39	29.72	5.96	2.28	41.85	38.50	54.00	-15.50 Average
3	4839.195	47.23	30.87	6.43	2.46	41.83	45.16	74.00	-28.84 Peak
4	4839.195	42.25	30.87	6.43	2.46	41.83	40.18	54.00	-13.82 Average
5	5685.998	47.42	32.37	7.08	2.70	41.89	47.68	74.00	-26.32 Peak
6	5685.998	42.15	32.37	7.08	2.70	41.89	42.41	54.00	-11.59 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Pre-amplifier Factor.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



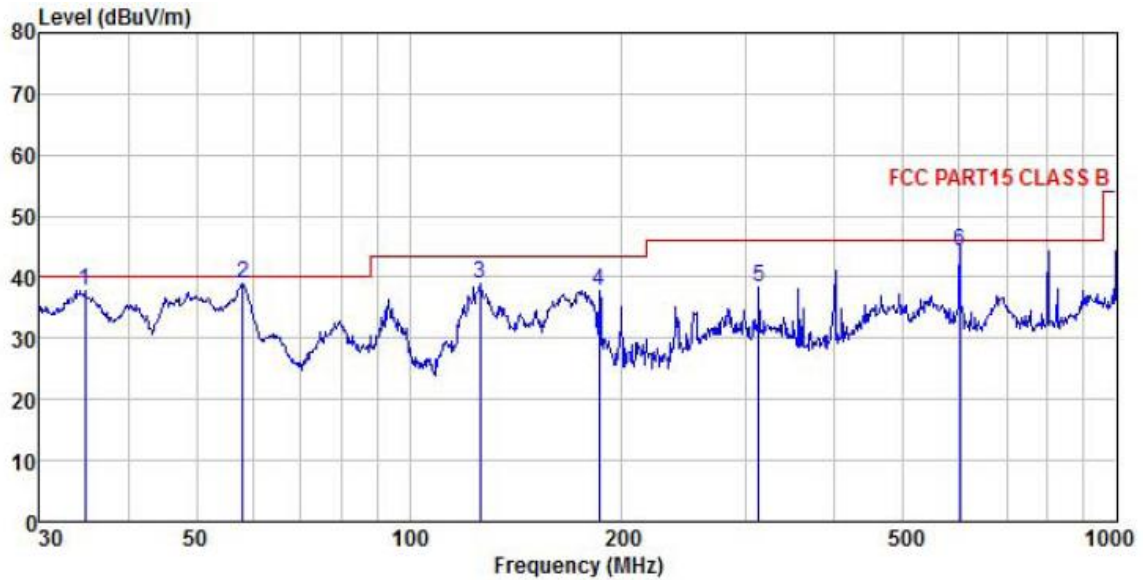
	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit	
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	3467.664	47.86	28.68	5.28	2.18	41.42	42.58	74.00 -31.42 Peak
2	3467.664	41.06	28.68	5.28	2.18	41.42	35.78	54.00 -18.22 Average
3	4847.873	47.58	30.87	6.43	2.46	41.83	45.51	74.00 -28.49 Peak
4	4847.873	41.78	30.87	6.43	2.46	41.83	39.71	54.00 -14.29 Average
5	5535.214	47.89	32.31	7.02	2.66	41.81	48.07	74.00 -25.93 Peak
6	5535.214	41.93	32.31	7.02	2.66	41.81	42.11	54.00 -11.89 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Pre-amplifier Factor.

Below 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

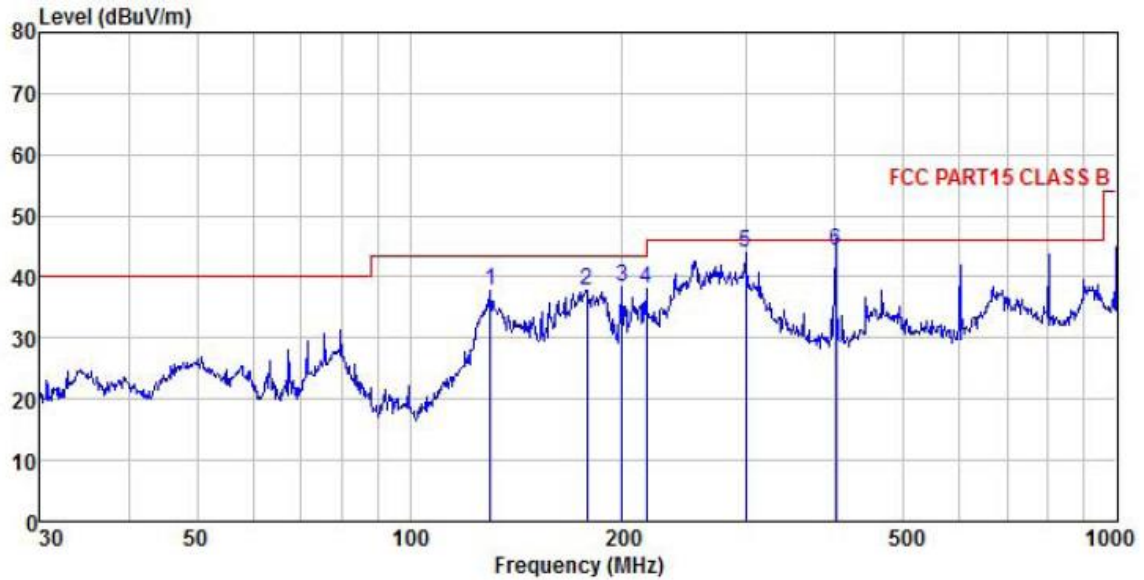


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Line	Limit	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	34.760	54.87	12.56	0.34	0.00	29.95	37.82	40.00	-2.18 QP
2	58.203	57.24	10.98	0.42	0.00	29.78	38.86	40.00	-1.14 QP
3	125.886	56.30	11.47	0.58	0.00	29.35	39.00	43.50	-4.50 QP
4	185.788	48.78	17.23	0.69	0.00	28.93	37.77	43.50	-5.73 QP
5	312.179	47.16	18.73	0.88	0.00	28.48	38.29	46.00	-7.71 QP
6	601.427	52.13	19.91	1.21	0.00	28.93	44.32	46.00	-1.68 QP

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



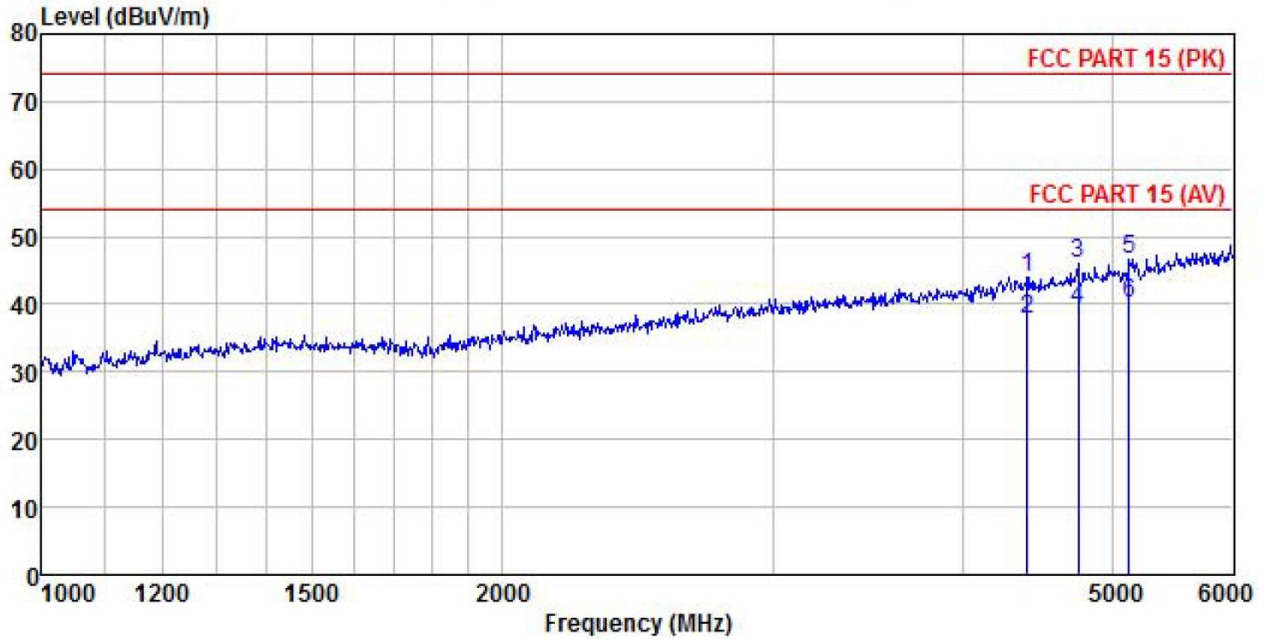
	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark	
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit		
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	129.923	54.79	11.80	0.59	0.00	29.33	37.85	43.50 -5.65	QP
2	178.133	49.29	16.86	0.68	0.00	28.99	37.84	43.50 -5.66	QP
3	199.986	48.17	18.30	0.72	0.00	28.83	38.36	43.50 -5.14	QP
4	216.024	47.65	18.37	0.74	0.00	28.73	38.03	46.00 -7.97	QP
5	298.268	53.00	18.69	0.86	0.00	28.45	44.10	46.00 -1.90	QP
6	400.432	52.99	19.10	0.99	0.00	28.78	44.30	46.00 -1.70	QP

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

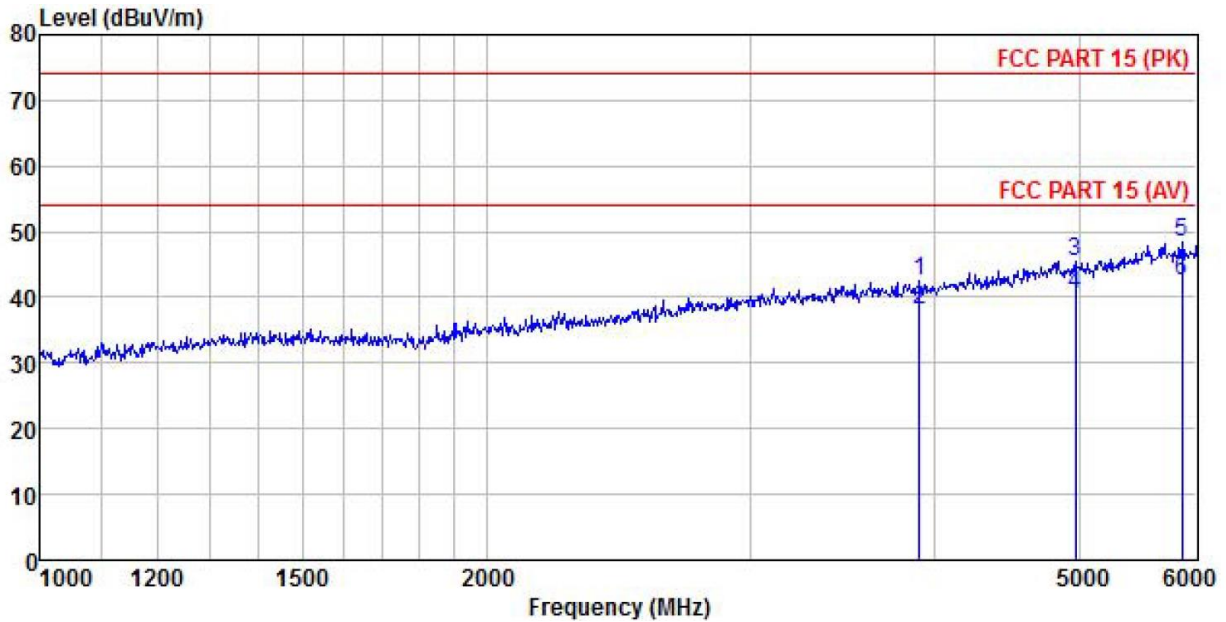


	Read	Antenna	Cable	Aux	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit	Remark
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	4400.794	47.72	29.96	6.07	2.32	41.97	44.10	74.00 -29.90 Peak
2	4400.794	41.39	29.96	6.07	2.32	41.97	37.77	54.00 -16.23 Average
3	4753.260	48.60	30.66	6.35	2.43	41.90	46.14	74.00 -27.86 Peak
4	4753.260	41.70	30.66	6.35	2.43	41.90	39.24	54.00 -14.76 Average
5	5133.956	47.88	31.50	6.68	2.54	41.93	46.67	74.00 -27.33 Peak
6	5133.956	41.46	31.50	6.68	2.54	41.93	40.25	54.00 -13.75 Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor - Pre-amplifier Factor.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3902.968	47.18	29.19	5.68	2.20	41.80	42.45	74.00	-31.55	Peak
2	3902.968	42.81	29.19	5.68	2.20	41.80	38.08	54.00	-15.92	Average
3	4971.019	47.22	31.14	6.54	2.49	41.87	45.52	74.00	-28.48	Peak
4	4971.019	42.27	31.14	6.54	2.49	41.87	40.57	54.00	-13.43	Average
5	5861.858	48.08	32.45	7.17	2.76	42.03	48.43	74.00	-25.57	Peak
6	5861.858	42.17	32.45	7.17	2.76	42.03	42.52	54.00	-11.48	Average

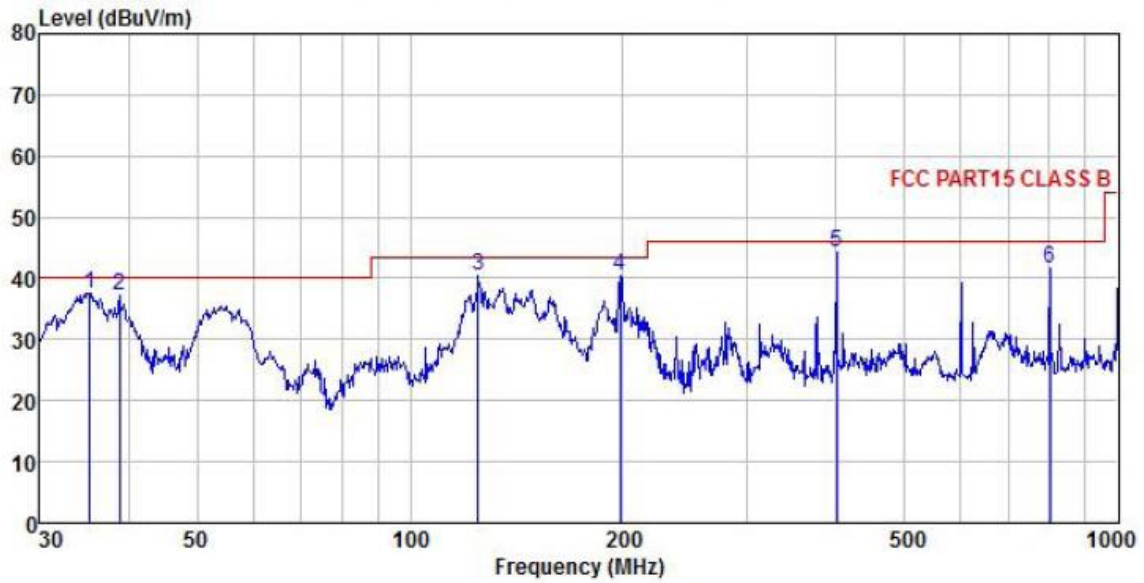
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.

Range 2(80MHz~8GHz):

Below 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%

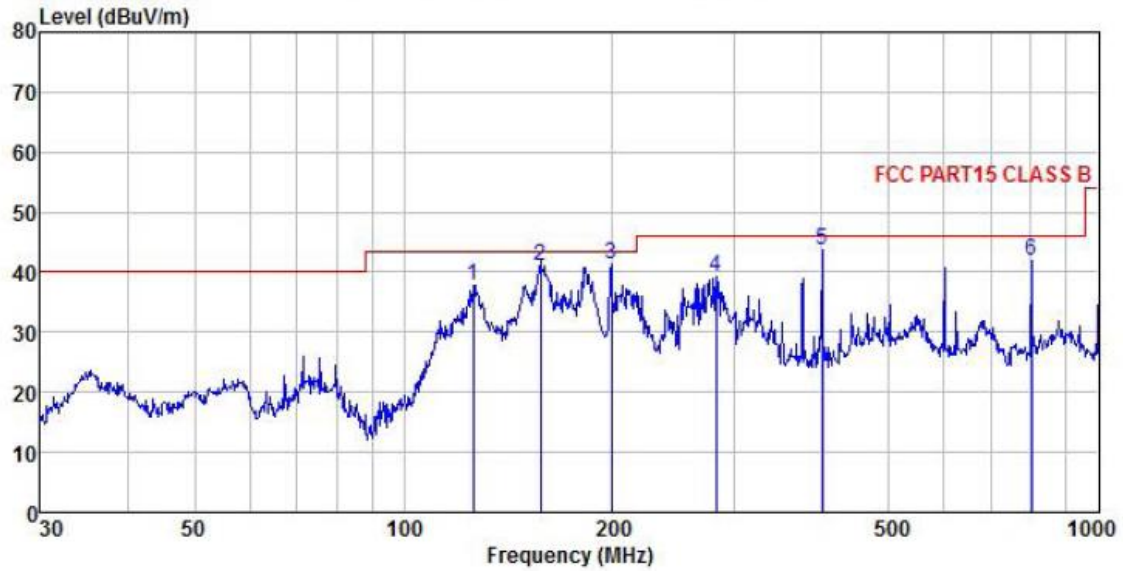


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Line	Limit	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	35.251	54.61	12.61	0.34	0.00	29.95	37.61	40.00	-2.39 QP
2	38.888	54.06	12.76	0.35	0.00	29.91	37.26	40.00	-2.74 QP
3	125.007	57.88	11.40	0.58	0.00	29.36	40.50	43.50	-3.00 QP
4	197.893	50.58	18.09	0.72	0.00	28.84	40.55	43.50	-2.95 QP
5	400.432	53.01	19.10	0.99	0.00	28.78	44.32	46.00	-1.68 QP
6	801.786	47.40	20.93	1.40	0.00	28.19	41.54	46.00	-4.46 QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



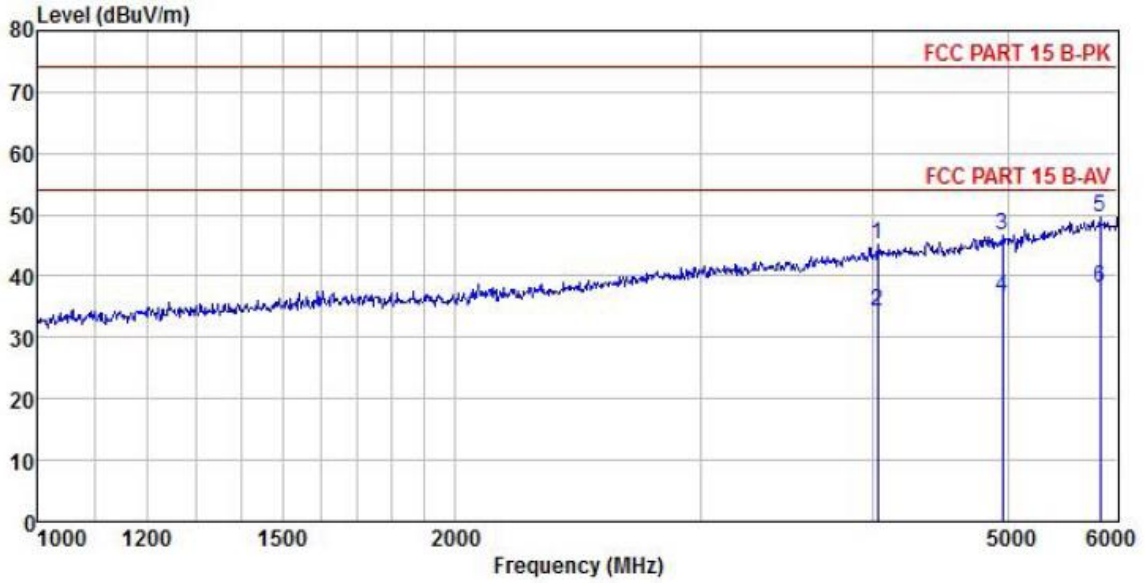
	ReadAntenna	Cable	Aux	Preamp	Limit	Over	Remark			
Freq	Level	Loss	Factor	Factor	Line	Limit				
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dB			
1	125.886	55.11	11.47	0.58	0.00	29.35	37.81	43.50	-5.69	QP
2	157.559	54.45	15.01	0.63	0.00	29.15	40.94	43.50	-2.56	QP
3	199.286	51.29	18.23	0.72	0.00	28.83	41.41	43.50	-2.09	QP
4	281.995	48.39	18.63	0.84	0.00	28.48	39.38	46.00	-6.62	QP
5	400.432	52.23	19.10	0.99	0.00	28.78	43.54	46.00	-2.46	QP
6	801.786	47.81	20.93	1.40	0.00	28.19	41.95	46.00	-4.05	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

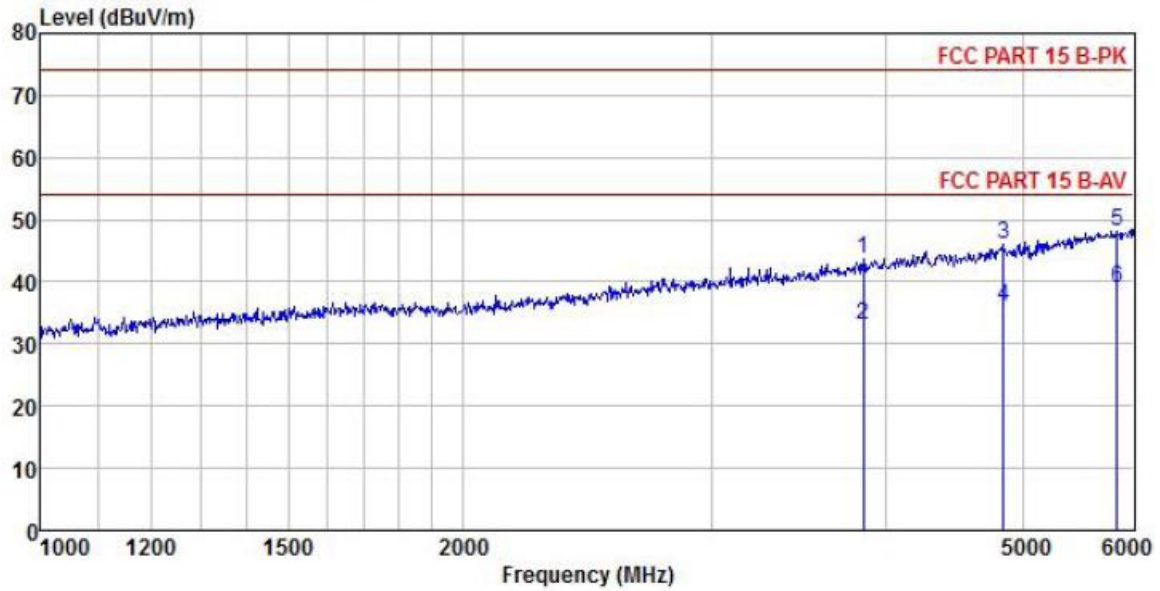


	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit	
-----	-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB
1	4030.897	49.23	29.34	6.15	2.21	41.81	45.12	74.00 -28.88 Peak
2	4030.897	38.30	29.34	6.15	2.21	41.81	34.19	54.00 -19.81 Average
3	4953.236	48.14	31.11	6.91	2.49	41.87	46.78	74.00 -27.22 Peak
4	4953.236	38.04	31.11	6.91	2.49	41.87	36.68	54.00 -17.32 Average
5	5830.433	48.68	32.43	7.90	2.75	42.03	49.73	74.00 -24.27 Peak
6	5830.433	37.14	32.43	7.90	2.75	42.03	38.19	54.00 -15.81 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Preamplifier Factor.
2. The emission levels of above 6GHz were lower than the limit 20dB and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	POE mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%



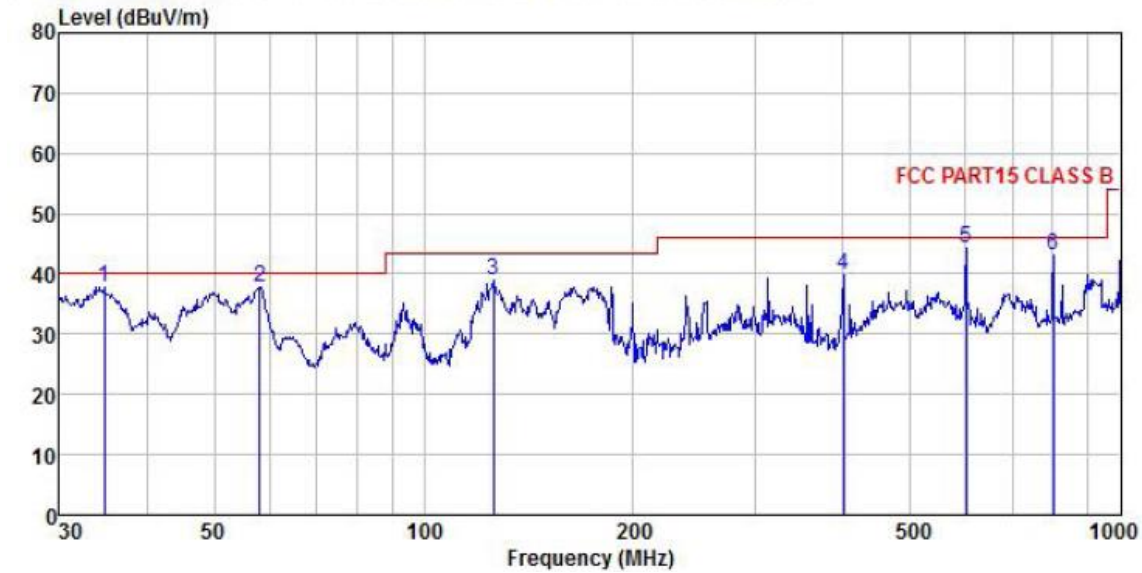
	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3854.321	47.98	29.13	6.09	2.20	41.80	43.60	74.00	-30.40	Peak
2	3854.321	37.52	29.13	6.09	2.20	41.80	33.14	54.00	-20.86	Average
3	4847.873	47.86	30.87	6.83	2.46	41.83	46.19	74.00	-27.81	Peak
4	4847.873	37.66	30.87	6.83	2.46	41.83	35.99	54.00	-18.01	Average
5	5840.889	47.10	32.44	7.90	2.75	42.03	48.16	74.00	-25.84	Peak
6	5840.889	37.77	32.44	7.90	2.75	42.03	38.83	54.00	-15.17	Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Pre-amplifier Factor.
- The emission levels of above 6GHz were lower than the limit 20dB and not show in test report.

Below 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

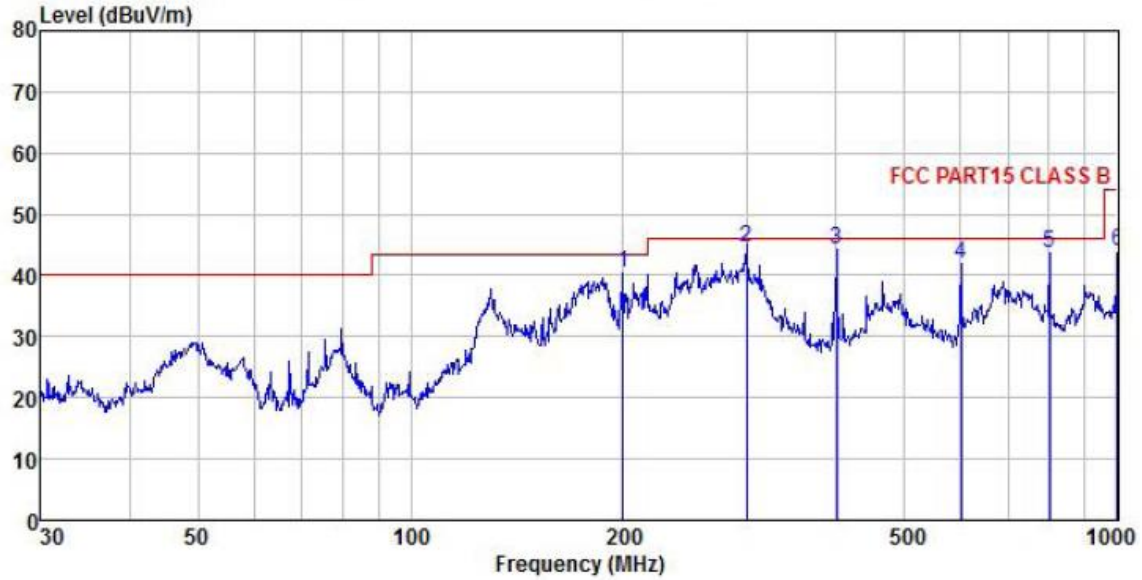


	Freq	Read Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	34.760	54.87	12.56	0.34	0.00	29.95	37.82	40.00	-2.18	QP
2	58.203	56.24	10.98	0.42	0.00	29.78	37.86	40.00	-2.14	QP
3	125.886	56.30	11.47	0.58	0.00	29.35	39.00	43.50	-4.50	QP
4	400.432	48.61	19.10	0.99	0.00	28.78	39.92	46.00	-6.08	QP
5	601.427	52.13	19.91	1.21	0.00	28.93	44.32	46.00	-1.68	QP
6	801.786	49.08	20.93	1.40	0.00	28.19	43.22	46.00	-2.78	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Humi: 57%



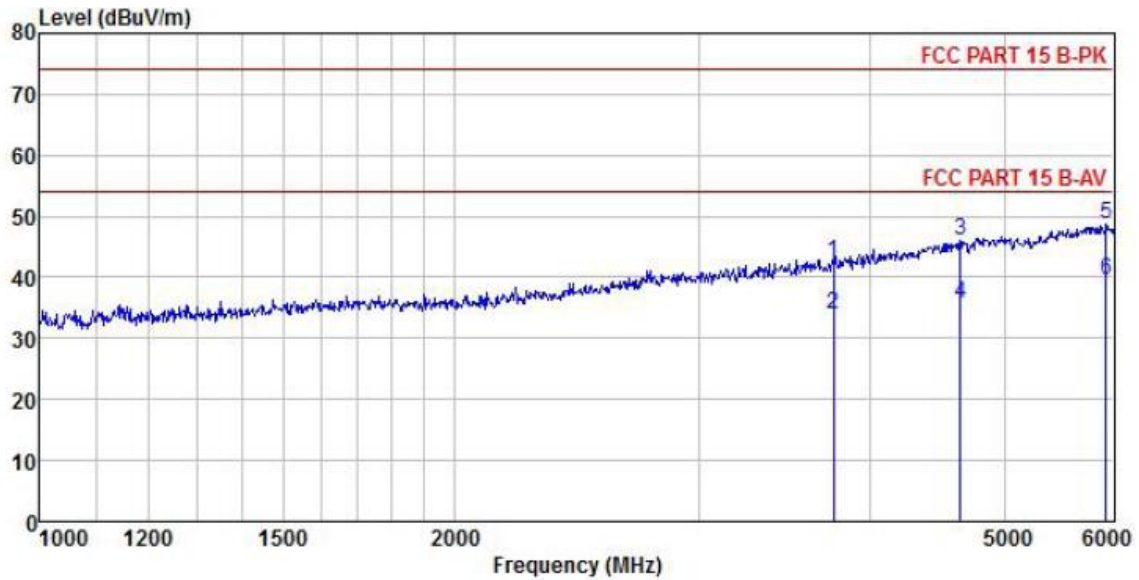
	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark	
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit		
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	199.986	50.17	18.30	0.72	0.00	28.83	40.36	43.50	-3.14 QP
2	298.268	53.35	18.69	0.86	0.00	28.45	44.45	46.00	-1.55 QP
3	400.432	52.86	19.10	0.99	0.00	28.78	44.17	46.00	-1.83 QP
4	601.427	49.63	19.91	1.21	0.00	28.93	41.82	46.00	-4.18 QP
5	801.786	49.59	20.93	1.40	0.00	28.19	43.73	46.00	-2.27 QP
6	1000.000	46.80	23.10	1.59	0.00	27.43	44.06	54.00	-9.94 QP

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Above 1GHz:

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

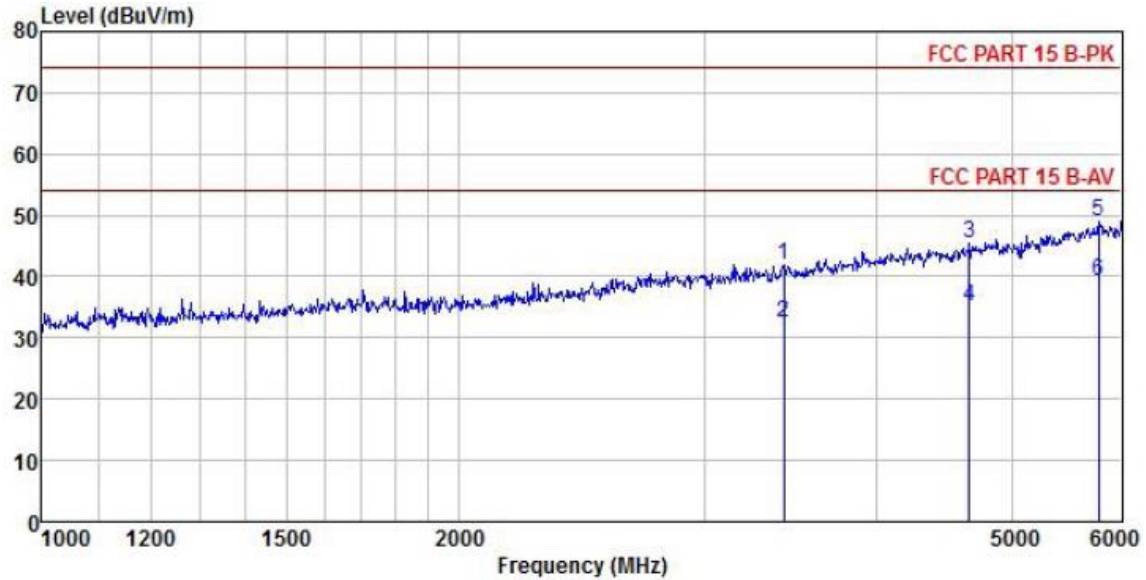


	Freq	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Factor	Line	Limit	
		dBuV	dB/m	dB	dB	dB	dBuV/m	dB	
1	3758.839	47.10	29.02	6.04	2.20	41.74	42.62	74.00	-31.38 Peak
2	3758.839	38.43	29.02	6.04	2.20	41.74	33.95	54.00	-20.05 Average
3	4643.823	48.30	30.43	6.88	2.40	42.07	45.94	74.00	-28.06 Peak
4	4643.823	38.02	30.43	6.88	2.40	42.07	35.66	54.00	-18.34 Average
5	5925.216	47.45	32.47	7.92	2.77	42.04	48.57	74.00	-25.43 Peak
6	5925.216	38.48	32.47	7.92	2.77	42.04	39.60	54.00	-14.40 Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Pre-amplifier Factor.
- The emission levels of above 6GHz were lower than the limit 20dB and not show in test report.

Product Name:	G6 external wideband receiver up to 8 GHz	Product Model:	WR-G69DDCe
Test By:	Mike	Test mode:	USB mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

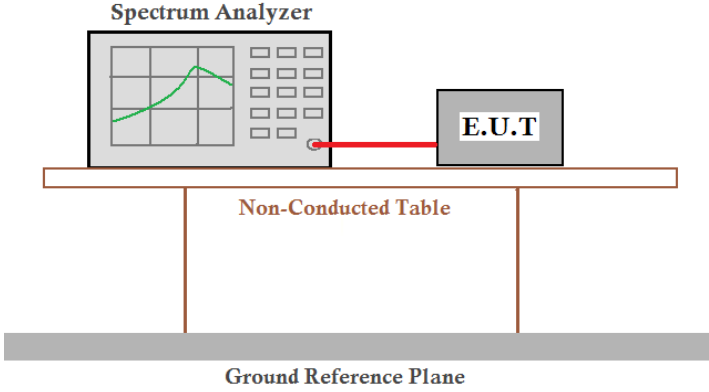


	Read	Antenna	Cable	Aux	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit	Remark	
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3424.443	46.89	28.66	5.66	2.15	41.38	41.98	74.00	-32.02 Peak
2	3424.443	37.32	28.66	5.66	2.15	41.38	32.41	54.00	-21.59 Average
3	4660.494	47.87	30.46	6.87	2.40	42.05	45.55	74.00	-28.45 Peak
4	4660.494	37.59	30.46	6.87	2.40	42.05	35.27	54.00	-18.73 Average
5	5778.433	47.88	32.41	7.84	2.73	42.00	48.86	74.00	-25.14 Peak
6	5778.433	38.29	32.41	7.84	2.73	42.00	39.27	54.00	-14.73 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss + Aux Factor – Pre-amplifier Factor.
2. The emission levels of above 6GHz were lower than the limit 20dB and not show in test report.

6.3 Receiver Conducted Power

Test Requirement:	FCC Part 15 B Section 15.111 (a) and 15.109(f)
Limit:	Below 1GHz<2nW(-57dBm) Above 1GHz<4nW(-54dBm)
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

