



**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

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Report No.: SZEM160700551903  
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## **TEST REPORT**

**Application No.:** SZEM1607005519RG  
**Applicant:** Huawei Technologies Co., Ltd.  
**Address of Applicant:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Manufacturer:** Huawei Technologies Co., Ltd.  
**Address of Manufacturer:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Factory:** Huawei Technologies Co., Ltd.  
**Address of Factory:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Equipment Under Test (EUT):**  
**EUT Name:** HUAWEI MediaPad T2 8 Pro  
**Model No.:** JDN-W09  
**Trade Mark:** HUAWEI  
**FCC ID:** QISJDN-W09  
**Standards:** 47 CFR PART 15, Subpart B:2015  
**Date of Receipt:** 2016-07-13  
**Date of Test:** 2016-07-27 to 2016-07-28  
**Date of Issue:** 2016-07-29

<b>Test Result :</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.



Jack Zhang  
EMC Laboratory Manager

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

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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## 2 Test Summary

Item	Standard	Method	Class	Result
Conducted Disturbance at Mains Terminals (150kHz-30MHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4	Class B	Pass
Radiated Disturbance (30MHz-1GHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4	Class B	Pass
Radiated Disturbance (above 1GHz)	47 CFR PART 15,Subpart B:2015	ANSI C63.4	Class B	Pass



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## 4 General Information

### 4.1 Details of E.U.T.

Battery:	Lithium-ion battery:3.8V 4650mAh ( charge by USB)		
Power supply	Adaptor:	B78004G3203630	input: 100-240V~ 50-60Hz,0.2A      output: DC 5V1A
		H780K1G3X00570	input: 100-240V~ 50-60Hz,0.2A      output: DC 5V1A
		P78015G3W10751	input: 100-240V~ 50-60Hz,0.2A      output: DC 5V1A
Internal Source	1.5GHz		
Cable	USB Cable: 100cm shield		
	Earphone: 110cm unshield		

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Blank card (supplied by SGS)	N/A	N/A	REF. No.:SEA3000
WIDEBAND RADIO COMMUNICATION TESTER	Rohde & Schwarz	CMW500	N/A
TF card	SanDisk	Ultra 16GB	REF. No.:SEA0400
GPS Generator	AEROFLEX	G101-2	N/A
Laptop	Lenovo	T430u	REF. No.SEA1800
Laptop	ASUS	A556U	FBN0CV921312487

#### Support units of Huawei supply:

Name	Manufacture	Serials number	Description
Adapter	HUIZHOU BYD ELECTRONIC CO.,LTD	/	Model:HW-050100U01 (B78004G3203630) Input voltage: 100V~240V AC and 50/60 Hz,0.2A Output voltage: +5V --- 1A
Adapter	DONGGUAN PHITEK ELECTRONICS CO.,LTD	/	Model:HW-050100U01 (P78015G3W10751) Input voltage: 100V~240V AC and 50/60 Hz,0.2A Output voltage: +5V --- 1A
Adapter	SHENZHEN HUNTKEY ELECTRIC CO.,LTD	/	Model:HW-050100U01 (H780K1G3X00570) Input voltage: 100V~240V AC and 50/60 Hz,0.2A Output voltage: +5V --- 1A
Li-ion Battery	SCUD (FUJIAN) Electronics Co., Ltd	/	Battery Model: HB3080G1EBW Rated capacity: 4650 mAh Nominal Voltage: --- +3.8V Charging Voltage: --- +4.35V



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Li-ion Battery	Harbin Coslight Power Co., Ltd.	/	Battery Model: HB3080G1EBC Rated capacity: 4650 mAh Nominal Voltage: --- +3.8V Charging Voltage: --- +4.35V
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### 4.3 Standards Applicable for Testing

Table 1 : Tests Carried Out Under 47 CFR PART 15,Subpart B:2015

Method	Item	Status
ANSI C63.4	Conducted Disturbance at Mains Terminals (150kHz-30MHz)	√
ANSI C63.4	Radiated Disturbance(30MHz-1GHz)	√
ANSI C63.4	Radiated Disturbance(above 1GHz)	√

- × Indicates that the test is not applicable  
√ Indicates that the test is applicable

#### **4.4 Test Location**

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong,

China 518057

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### **4.5 Test Facility**

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

**•CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 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. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

**• VCCI**

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

**• FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

**• Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

#### **4.6 Deviation from Standards**

None

#### **4.7 Abnormalities from Standard Conditions**

None

## 5 Equipment List

Conducted Disturbance at Mains Terminals(150kHz-30MHz)						
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
1	Shielding Room	ChangZhou ZhongYu	GB-88	SEM001-06	2016-05-13	2017-05-13
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2015-10-09	2016-10-09
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2016-04-25	2017-04-25
4	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2016-04-25	2017-04-25

Radiated Disturbance(30MHz-1GHz)						
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
1	10m Semi- Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2016-05-13	2017-05-13
2	EMI Test Receiver (9k-3GHz)	Rohde & Schwarz	ESCI	SEM004-01	2016-04-25	2017-04-25
3	Trilog-Broadband Antenna (30M-1GHz)	Schwarzbeck	VULB9168	SEM003-17	2016-01-26	2017-01-26
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2016-04-25	2017-04-25

Radiated Disturbance(above 1GHz)						
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
1	3m Semi- Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-13	2017-05-13
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEM004-04	2016-04-25	2017-04-25
3	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-06	2015-06-14	2018-06-14
4	Low Noise Amplifier	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2015-10-09	2016-10-09



General used equipment						
Item	Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
1	Humidity/ Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0101	2015-10-12	2016-10-12
2	Humidity/ Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0102	2015-10-12	2016-10-12
3	Humidity/ Temperature Indicator	Shang Hai Meteorological Industry Factory	ZJ1-2B	SEL0103	2015-10-12	2016-10-12
4	Barometer	Chang Chun Meteorological Industry Factory	DYM3	SEL0088	2016-04-25	2017-04-25

## 6 Emission Test Results

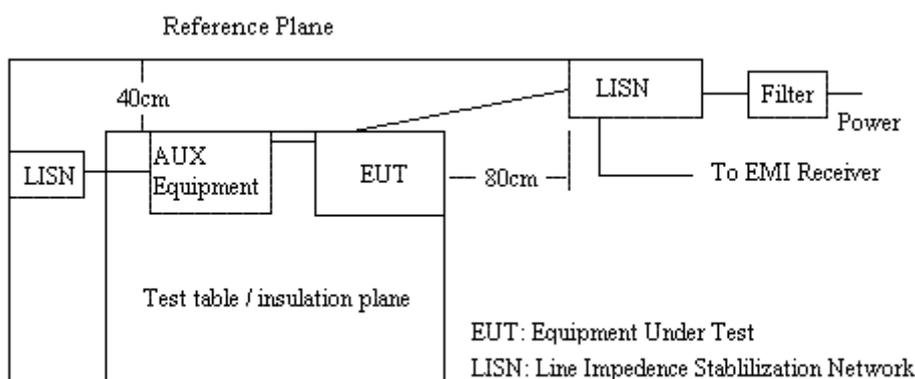
### 6.1 Conducted Disturbance at Mains Terminals(150kHz-30MHz)

Test Requirement:	47 CFR PART 15,Subpart B:2015
Test Method:	ANSI C63.4
Frequency Range:	150kHz to 30MHz
Limit:	
0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 6.1.1 E.U.T. Operation

Operating Environment:						
Temperature:	25.0 °C	Humidity:	55 % RH	Atmospheric Pressure:	1010	mbar
Test mode	a: charge + WiFi idle mode + earphone b: charge + Bluetooth Classic idle mode + earphone c: charge + Bluetooth Low Energy idle mode + earphone d: charge + REC mode (Front Camera)/ (Rear Camera) which is worst. e: charge + Playing mode + earphone f: PC mode.					

#### 6.1.2 Test Setup

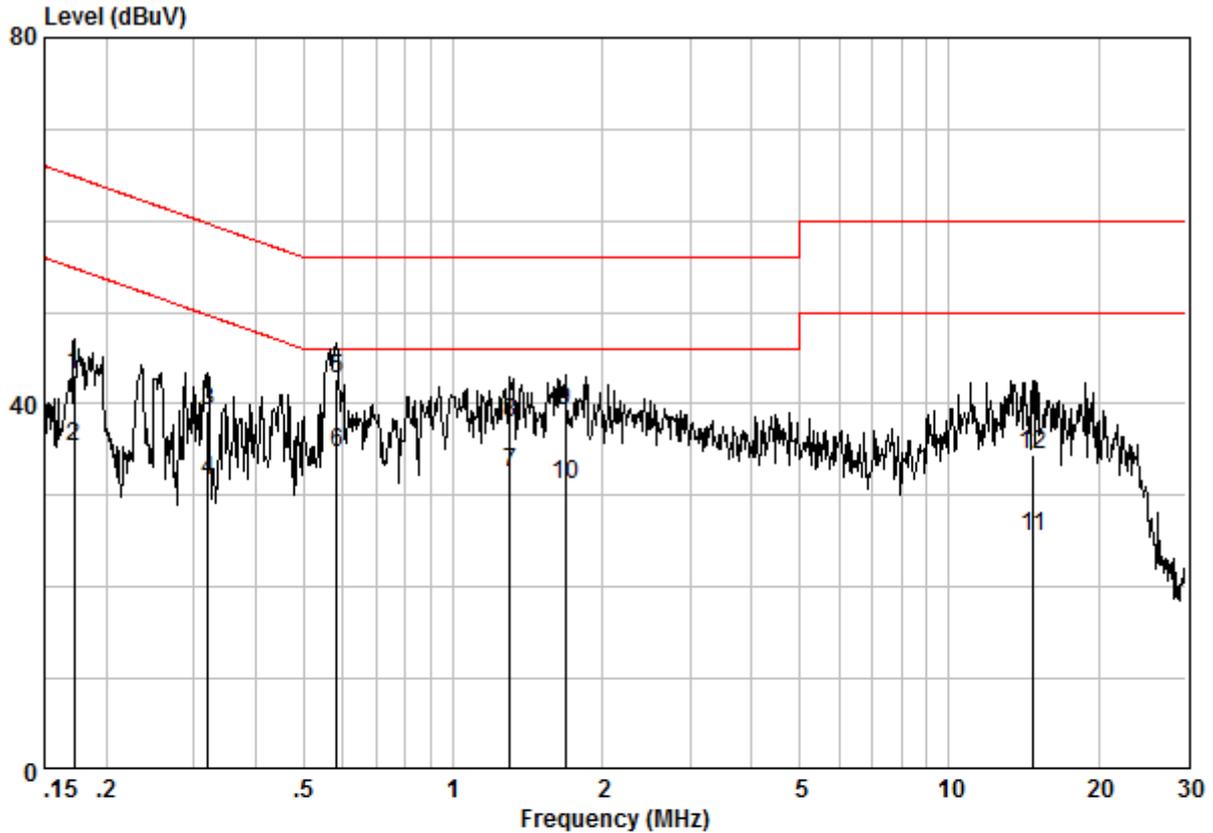


#### 6.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



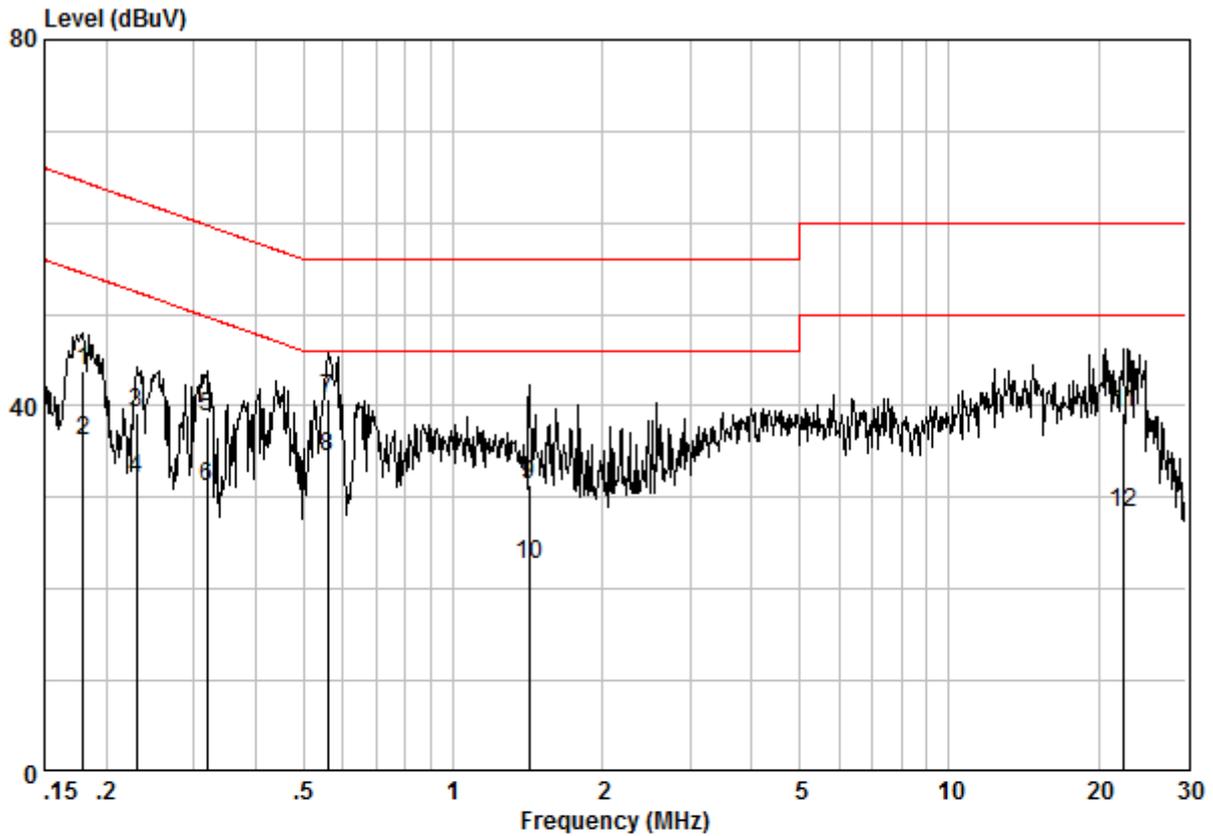
B78004G3203630  
Mode:a;Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : a  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.17215	0.02	9.60	33.49	43.11	64.86	-21.74 QP
2	0.17215	0.02	9.60	25.69	35.31	54.86	-19.55 Average
3	0.31999	0.02	9.59	29.71	39.32	59.71	-20.39 QP
4	0.31999	0.02	9.59	22.02	31.63	49.71	-18.08 Average
5	0.58231	0.02	9.61	33.02	42.65	56.00	-13.35 QP
6 @	0.58231	0.02	9.61	25.01	34.64	46.00	-11.36 Average
7	1.303	0.03	9.60	22.93	32.56	46.00	-13.44 Average
8	1.303	0.03	9.60	28.35	37.98	56.00	-18.02 QP
9	1.680	0.03	9.60	29.51	39.14	56.00	-16.86 QP
10	1.680	0.03	9.60	21.48	31.11	46.00	-14.89 Average
11	14.750	0.16	9.76	15.68	25.59	50.00	-24.41 Average
12	14.750	0.16	9.76	24.59	34.50	60.00	-25.50 QP

Mode:a;Line:Neutral Line

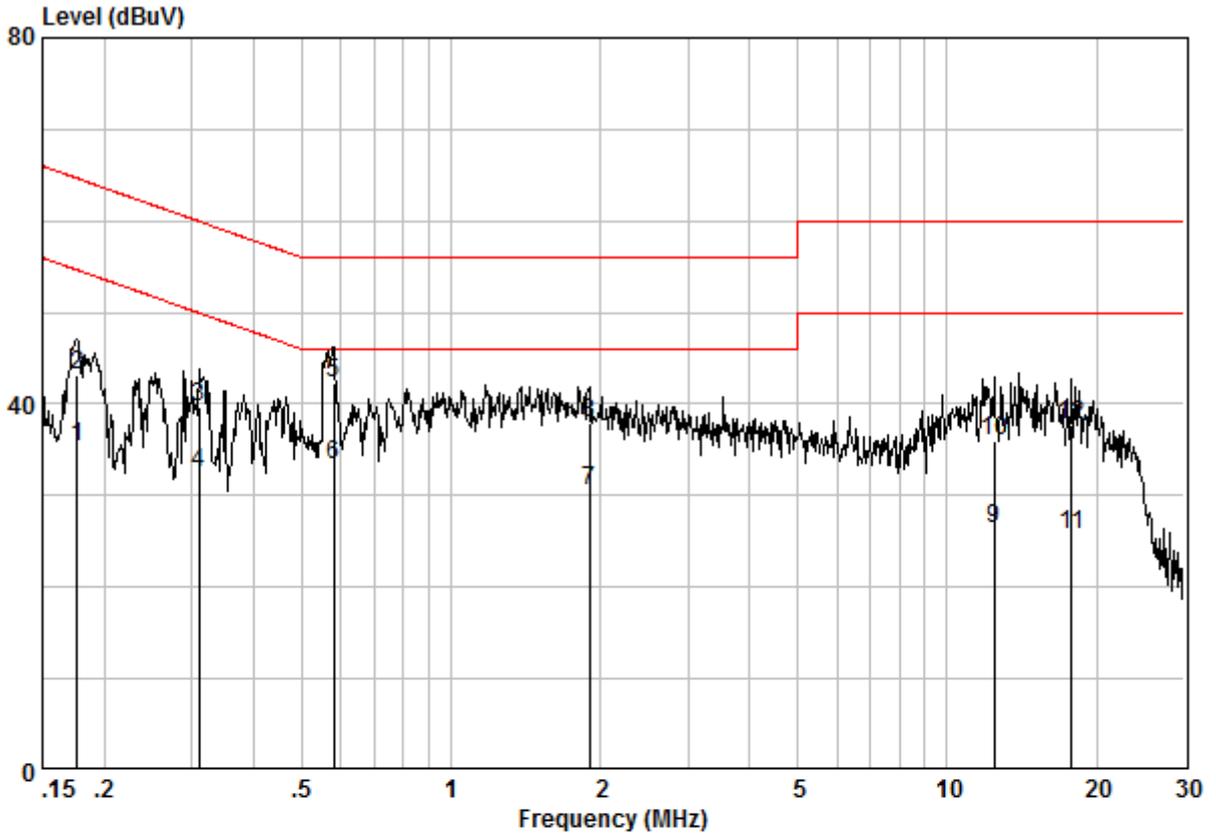


Site : Shielding Room  
 Condition : CE NEUTRAL  
 Job No. : 5519RG  
 Test Mode : a  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17961	0.02	9.61	34.25	43.88	64.50	-20.63	QP
2	0.17961	0.02	9.61	26.52	36.15	54.50	-18.36	Average
3	0.23040	0.02	9.61	29.70	39.34	62.44	-23.10	QP
4	0.23040	0.02	9.61	22.51	32.14	52.44	-20.29	Average
5	0.31830	0.02	9.62	29.12	38.76	59.75	-20.99	QP
6	0.31830	0.02	9.62	21.63	31.27	49.75	-18.48	Average
7	0.55814	0.02	9.63	31.13	40.78	56.00	-15.22	QP
8 @	0.55814	0.02	9.63	24.85	34.50	46.00	-11.50	Average
9	1.426	0.03	9.64	21.67	31.34	56.00	-24.66	QP
10	1.426	0.03	9.64	13.03	22.70	46.00	-23.30	Average
11	22.535	0.16	10.06	29.09	39.31	60.00	-20.69	QP
12	22.535	0.16	10.06	18.09	28.32	50.00	-21.68	Average



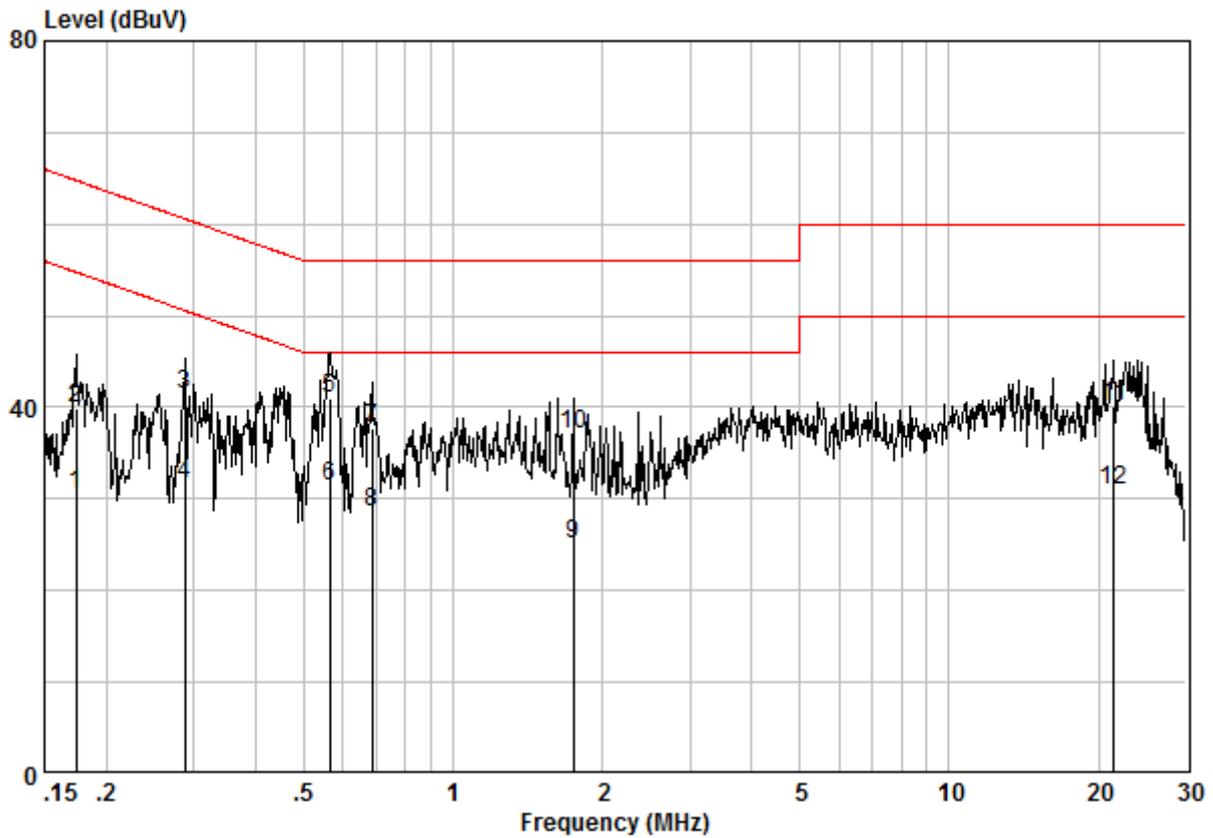
Mode:b;Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : b  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17584	0.02	9.60	25.64	35.26	54.68	-19.42	Average
2	0.17584	0.02	9.60	33.51	43.13	64.68	-21.55	QP
3	0.30998	0.02	9.59	30.13	39.74	59.97	-20.23	QP
4	0.30998	0.02	9.59	22.89	32.50	49.97	-17.47	Average
5	0.57923	0.02	9.61	32.63	42.25	56.00	-13.75	QP
6	0.57923	0.02	9.61	23.67	33.30	46.00	-12.70	Average
7	1.898	0.03	9.63	20.88	30.54	46.00	-15.46	Average
8	1.898	0.03	9.63	28.25	37.91	56.00	-18.09	QP
9	12.449	0.15	9.74	16.49	26.38	50.00	-23.62	Average
10	12.449	0.15	9.74	26.00	35.89	60.00	-24.11	QP
11	17.849	0.17	9.77	15.69	25.63	50.00	-24.37	Average
12	17.849	0.17	9.77	27.72	37.66	60.00	-22.34	QP

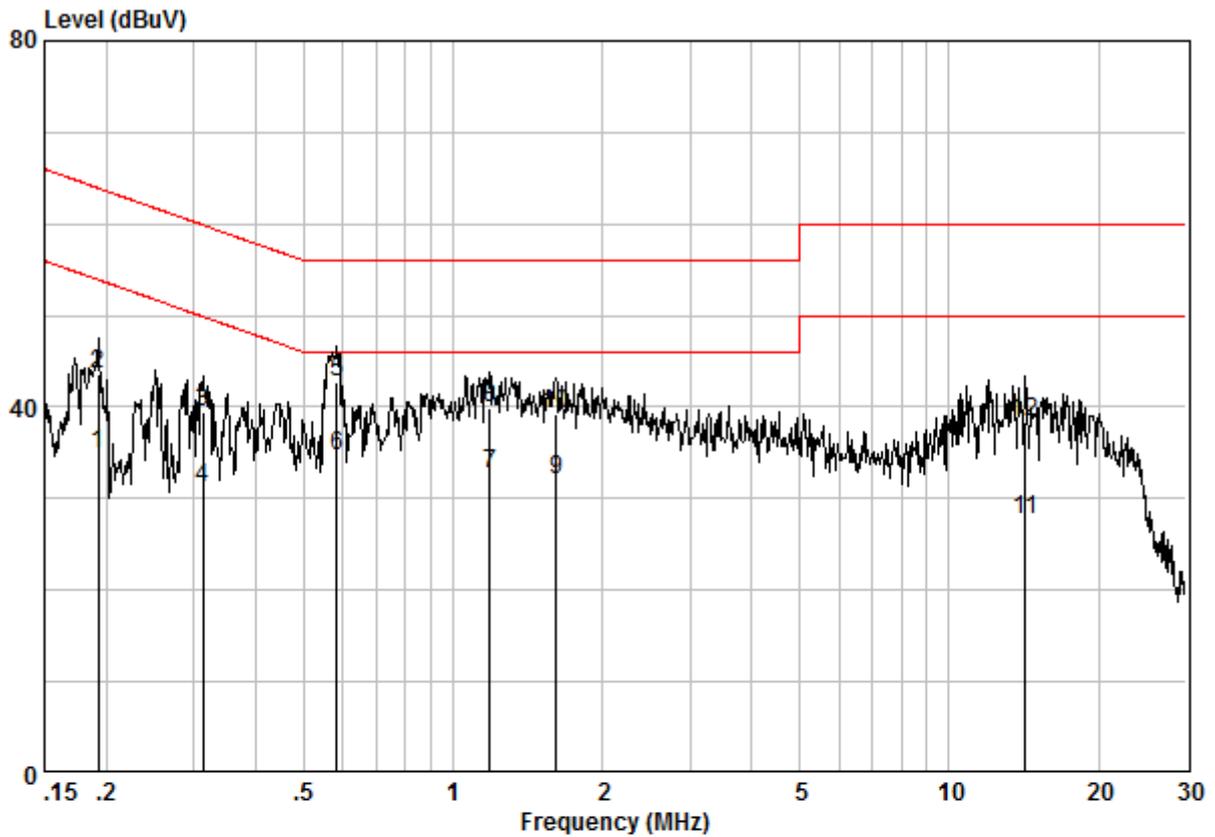
Mode:b;Line:Neutral Line



Site : Shielding Room  
 Condition : CE NEUTRAL  
 Job No. : 5519RG  
 Test Mode : b  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.17399	0.02	9.60	20.91	30.53	54.77	-24.23 Average
2	0.17399	0.02	9.60	30.21	39.83	64.77	-24.94 QP
3	0.28782	0.02	9.62	31.69	41.33	60.59	-19.26 QP
4	0.28782	0.02	9.62	21.95	31.59	50.59	-19.00 Average
5	0.56409	0.02	9.63	31.24	40.89	56.00	-15.11 QP
6	0.56409	0.02	9.63	21.71	31.36	46.00	-14.64 Average
7	0.68626	0.02	9.63	28.14	37.80	56.00	-18.20 QP
8	0.68626	0.02	9.63	18.97	28.62	46.00	-17.38 Average
9	1.744	0.03	9.65	15.47	25.15	46.00	-20.85 Average
10	1.744	0.03	9.65	27.30	36.99	56.00	-19.01 QP
11	21.486	0.17	10.03	30.00	40.20	60.00	-19.80 QP
12	21.486	0.17	10.03	20.85	31.05	50.00	-18.95 Average

Mode:c;Line:Live Line

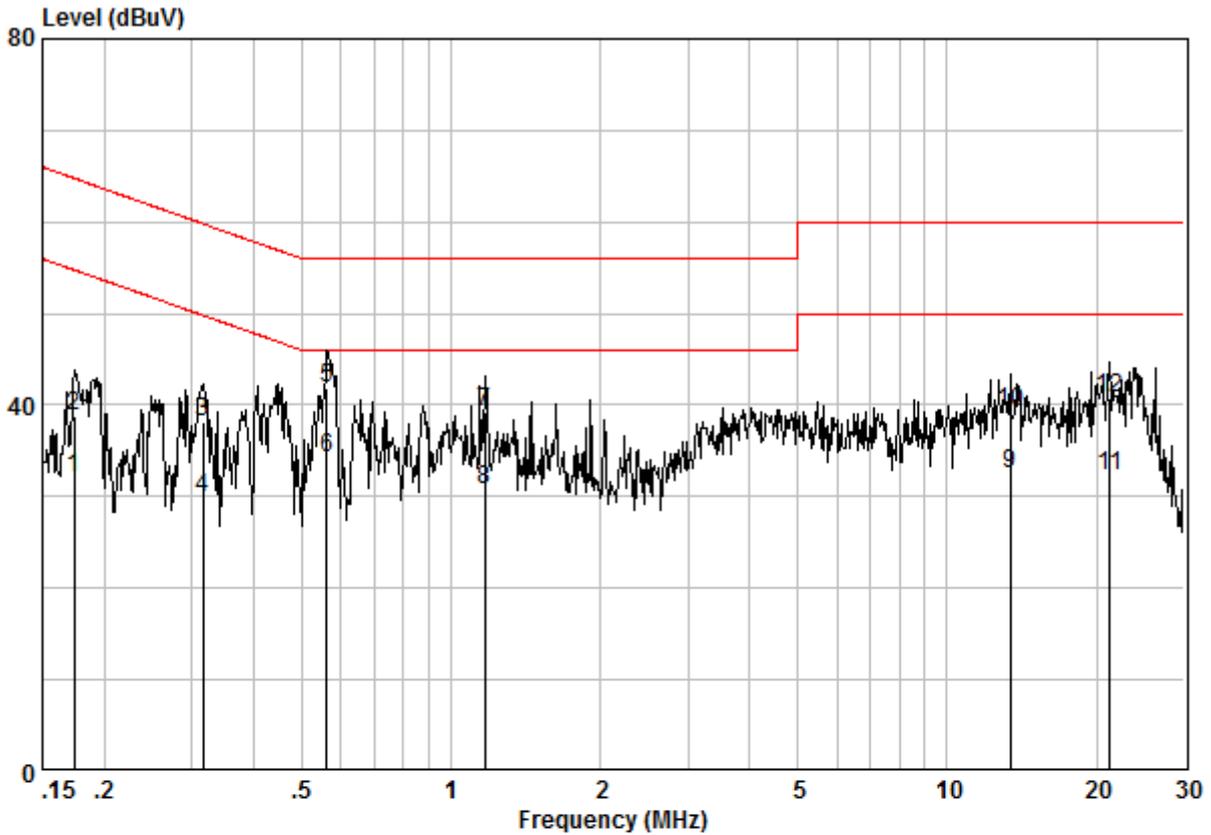


Site : Shielding Room  
 Condition : CE LINE  
 Job No. : 5519RG  
 Test Mode : c  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.19242	0.02	9.60	25.24	34.86	53.93	-19.07	Average
2	0.19242	0.02	9.60	33.93	43.55	63.93	-20.38	QP
3	0.31328	0.02	9.59	29.76	39.37	59.88	-20.52	QP
4	0.31328	0.02	9.59	21.54	31.15	49.88	-18.73	Average
5	0.58231	0.02	9.61	33.13	42.75	56.00	-13.25	QP
6 @	0.58231	0.02	9.61	25.03	34.66	46.00	-11.34	Average
7	1.184	0.03	9.61	22.98	32.62	46.00	-13.38	Average
8	1.184	0.03	9.61	30.15	39.79	56.00	-16.21	QP
9	1.610	0.03	9.59	22.46	32.08	46.00	-13.92	Average
10	1.610	0.03	9.59	29.59	39.21	56.00	-16.79	QP
11	14.213	0.16	9.75	17.69	27.60	50.00	-22.40	Average
12	14.213	0.16	9.75	28.45	38.36	60.00	-21.64	QP



Mode:c;Line:Neutral Line

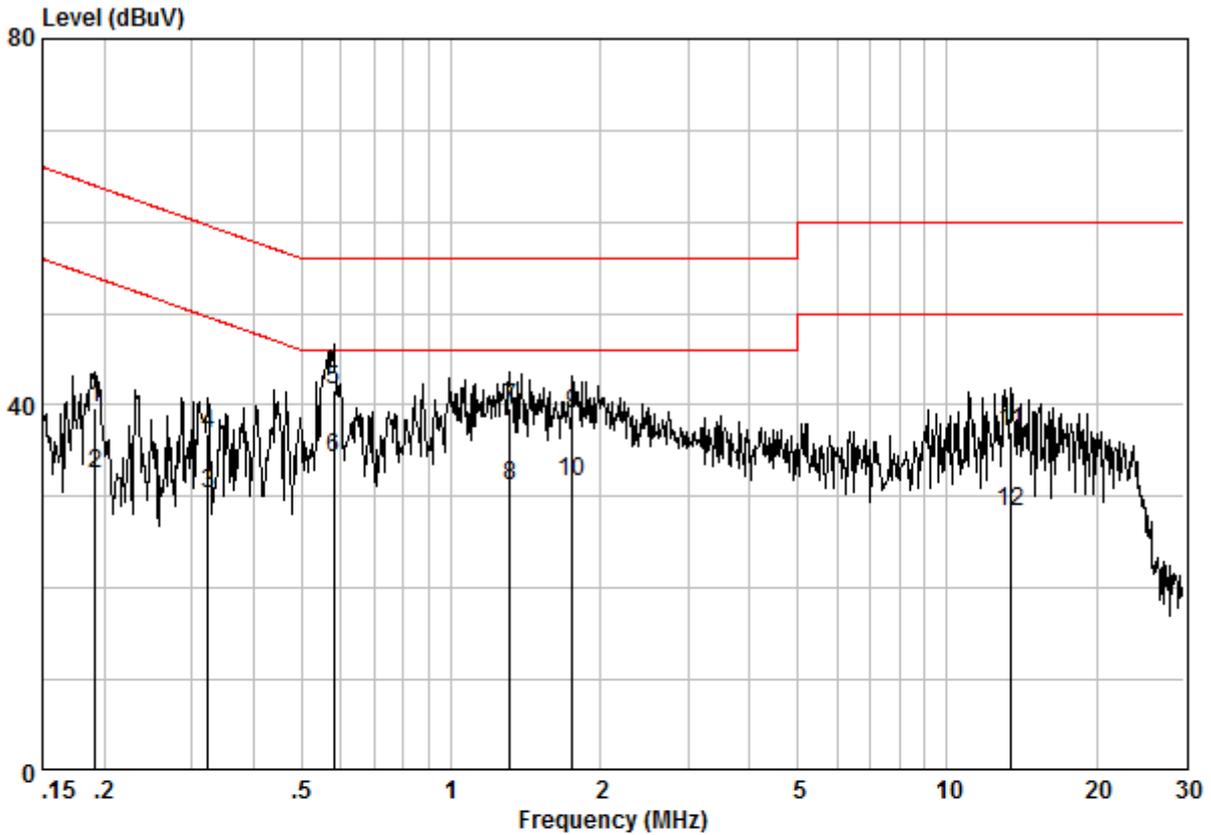


Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 5519RG  
Test Mode : c  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17399	0.02	9.60	22.36	31.98	54.77	-22.78	Average
2	0.17399	0.02	9.60	29.19	38.81	64.77	-25.96	QP
3	0.31662	0.02	9.62	28.58	38.22	59.80	-21.57	QP
4	0.31662	0.02	9.62	20.16	29.80	49.80	-20.00	Average
5	0.56111	0.02	9.63	32.25	41.90	56.00	-14.10	QP
6	0.56111	0.02	9.63	24.58	34.23	46.00	-11.77	Average
7	1.172	0.03	9.65	29.46	39.14	56.00	-16.86	QP
8	1.172	0.03	9.65	21.03	30.71	46.00	-15.29	Average
9	13.408	0.15	9.87	22.36	32.38	50.00	-17.62	Average
10	13.408	0.15	9.87	29.25	39.27	60.00	-20.73	QP
11	21.260	0.17	10.03	22.11	32.31	50.00	-17.69	Average
12	21.260	0.17	10.03	30.48	40.67	60.00	-19.33	QP



Mode:d;Line:Live Line

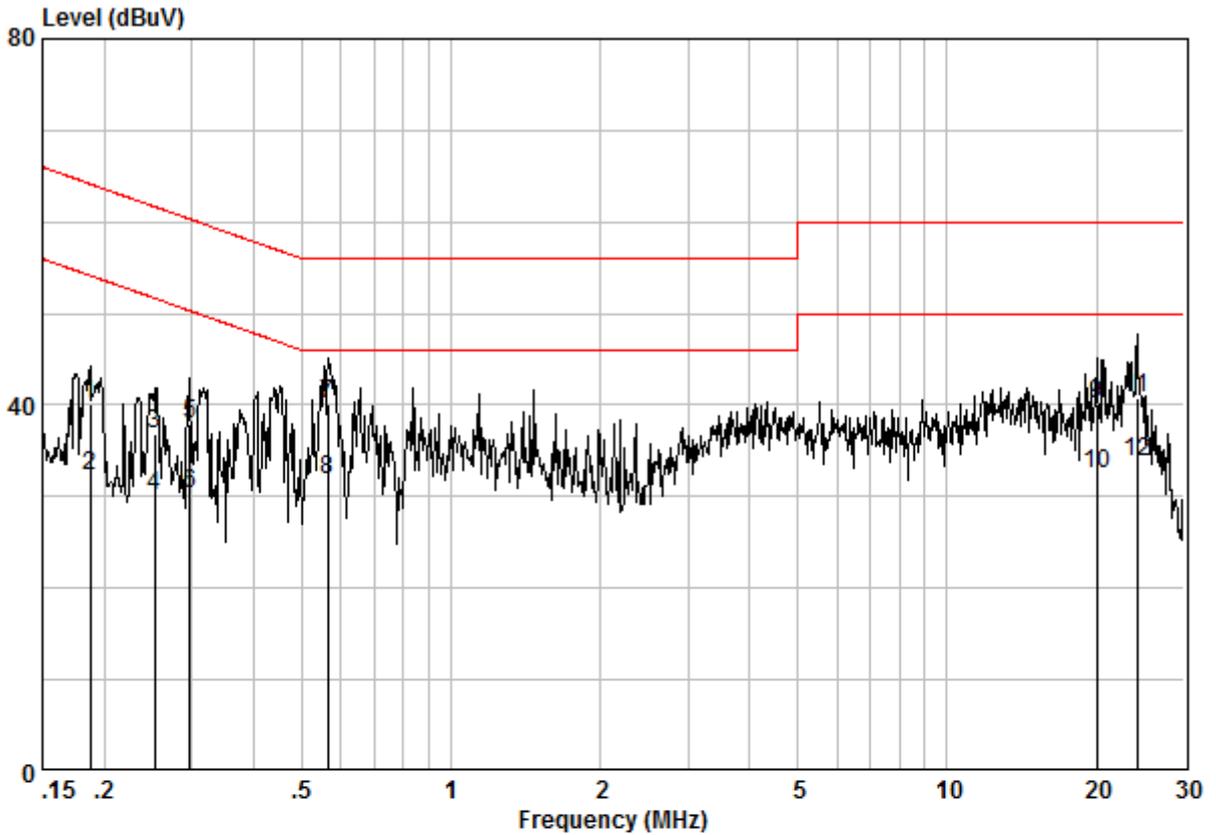


Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : d  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.19140	0.02	9.60	30.03	39.65	63.98	-24.33	QP
2	0.19140	0.02	9.60	22.87	32.49	53.98	-21.49	Average
3	0.32340	0.02	9.59	20.63	30.24	49.62	-19.38	Average
4	0.32340	0.02	9.59	27.14	36.75	59.62	-22.87	QP
5	0.57923	0.02	9.61	32.11	41.74	56.00	-14.26	QP
6	0.57923	0.02	9.61	24.58	34.21	46.00	-11.79	Average
7	1.317	0.03	9.60	29.97	39.60	56.00	-16.40	QP
8	1.317	0.03	9.60	21.62	31.25	46.00	-14.75	Average
9	1.753	0.03	9.61	29.45	39.09	56.00	-16.91	QP
10	1.753	0.03	9.61	21.98	31.62	46.00	-14.38	Average
11	13.479	0.15	9.75	27.06	36.96	60.00	-23.04	QP
12	13.479	0.15	9.75	18.54	28.44	50.00	-21.56	Average



Mode:d;Line:Neutral Line

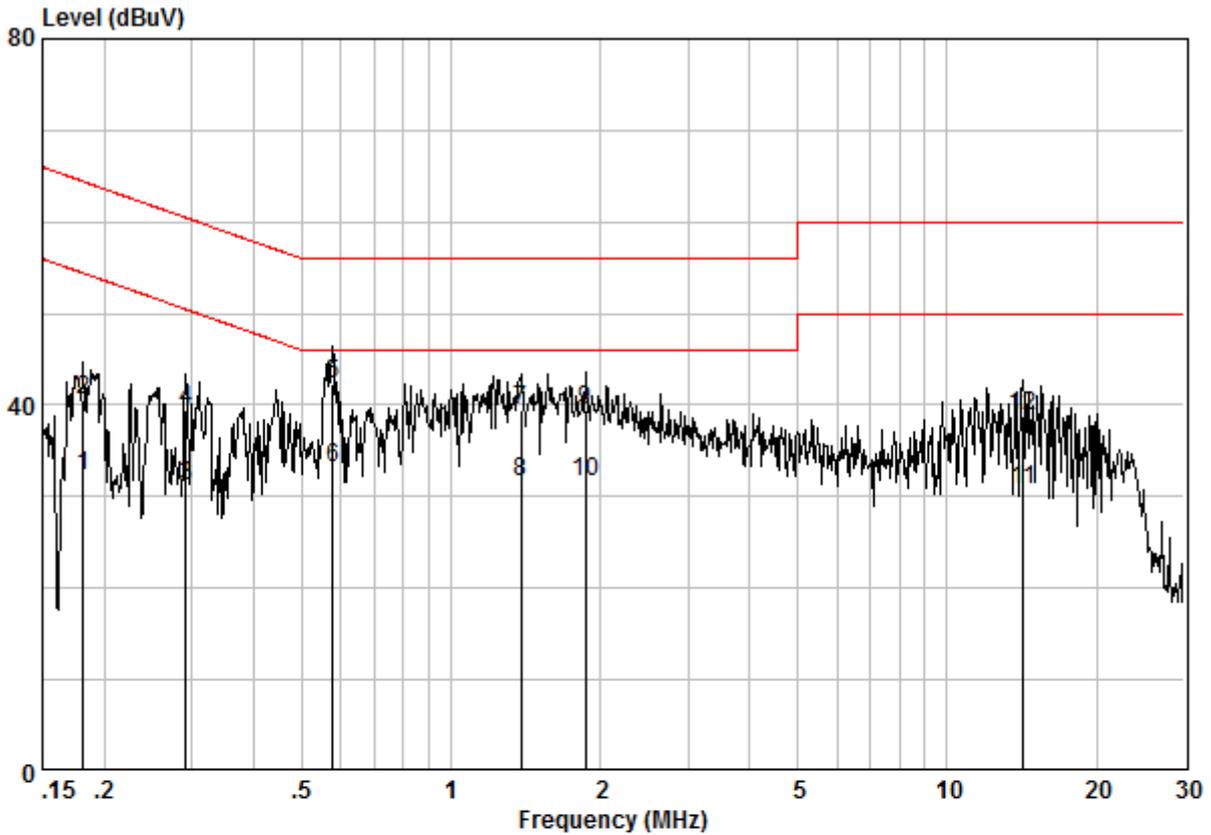


Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 5519RG  
Test Mode : d  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.18738	0.02	9.61	30.53	40.16	64.15	-23.99	QP
2	0.18738	0.02	9.61	22.54	32.17	54.15	-21.98	Average
3	0.25211	0.02	9.61	27.31	36.95	61.69	-24.74	QP
4	0.25211	0.02	9.61	20.55	30.18	51.69	-21.51	Average
5	0.29711	0.02	9.62	28.39	38.03	60.32	-22.29	QP
6	0.29711	0.02	9.62	20.57	30.21	50.32	-20.11	Average
7	0.56409	0.02	9.63	30.42	40.07	56.00	-15.93	QP
8	0.56409	0.02	9.63	22.14	31.79	46.00	-14.21	Average
9	20.056	0.17	9.99	29.90	40.06	60.00	-19.94	QP
10	20.056	0.17	9.99	22.39	32.55	50.00	-17.45	Average
11	24.142	0.16	10.10	30.58	40.84	60.00	-19.16	QP
12	24.142	0.16	10.10	23.44	33.70	50.00	-16.30	Average



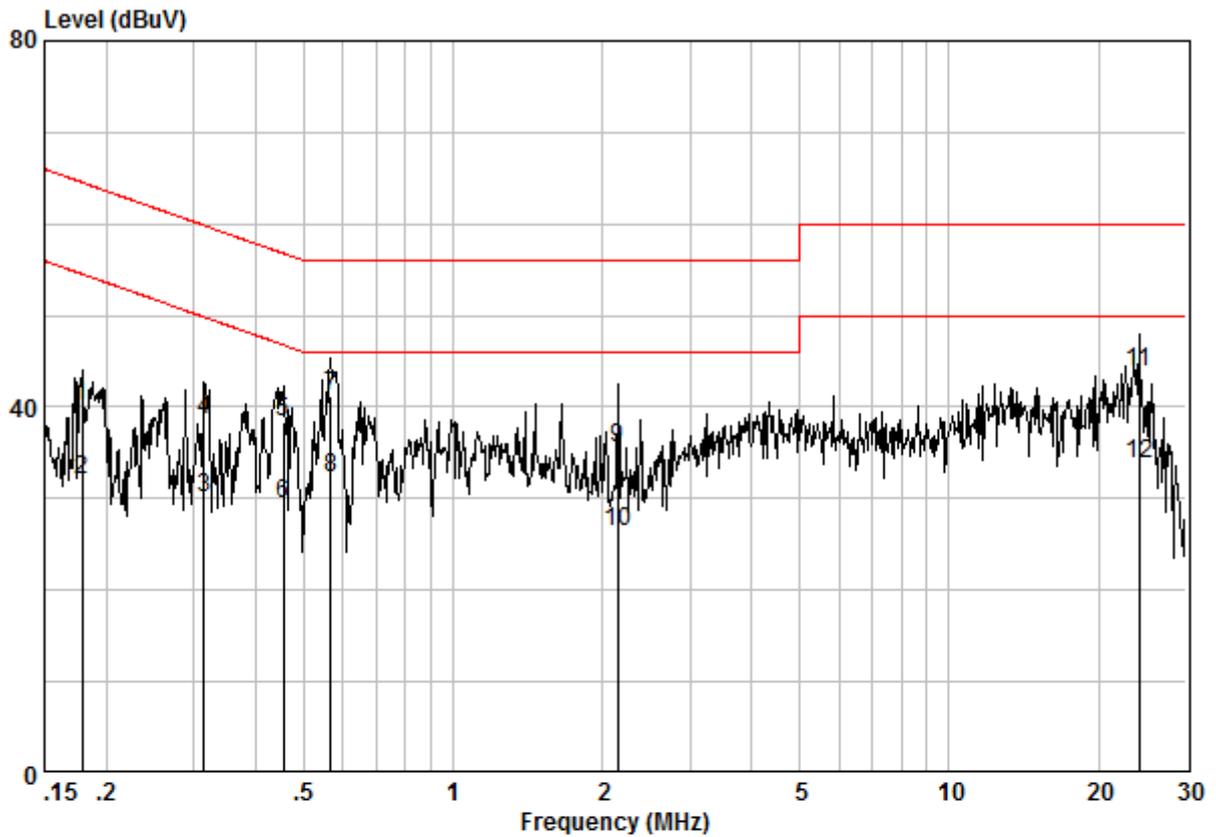
Mode:e;Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : e  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.18152	0.02	9.60	22.56	32.18	54.42	-22.24	Average
2	0.18152	0.02	9.60	30.96	40.58	64.42	-23.83	QP
3	0.29243	0.02	9.59	21.58	31.19	50.46	-19.26	Average
4	0.29243	0.02	9.59	29.85	39.46	60.46	-20.99	QP
5	0.57617	0.02	9.61	32.71	42.34	56.00	-13.66	QP
6	0.57617	0.02	9.61	23.47	33.10	46.00	-12.90	Average
7	1.381	0.03	9.59	29.84	39.46	56.00	-16.54	QP
8	1.381	0.03	9.59	21.97	31.59	46.00	-14.41	Average
9	1.868	0.03	9.63	29.85	39.51	56.00	-16.49	QP
10	1.868	0.03	9.63	21.88	31.54	46.00	-14.46	Average
11	14.213	0.16	9.75	20.82	30.73	50.00	-19.27	Average
12	14.213	0.16	9.75	28.90	38.81	60.00	-21.19	QP

Mode:e;Line:Neutral Line

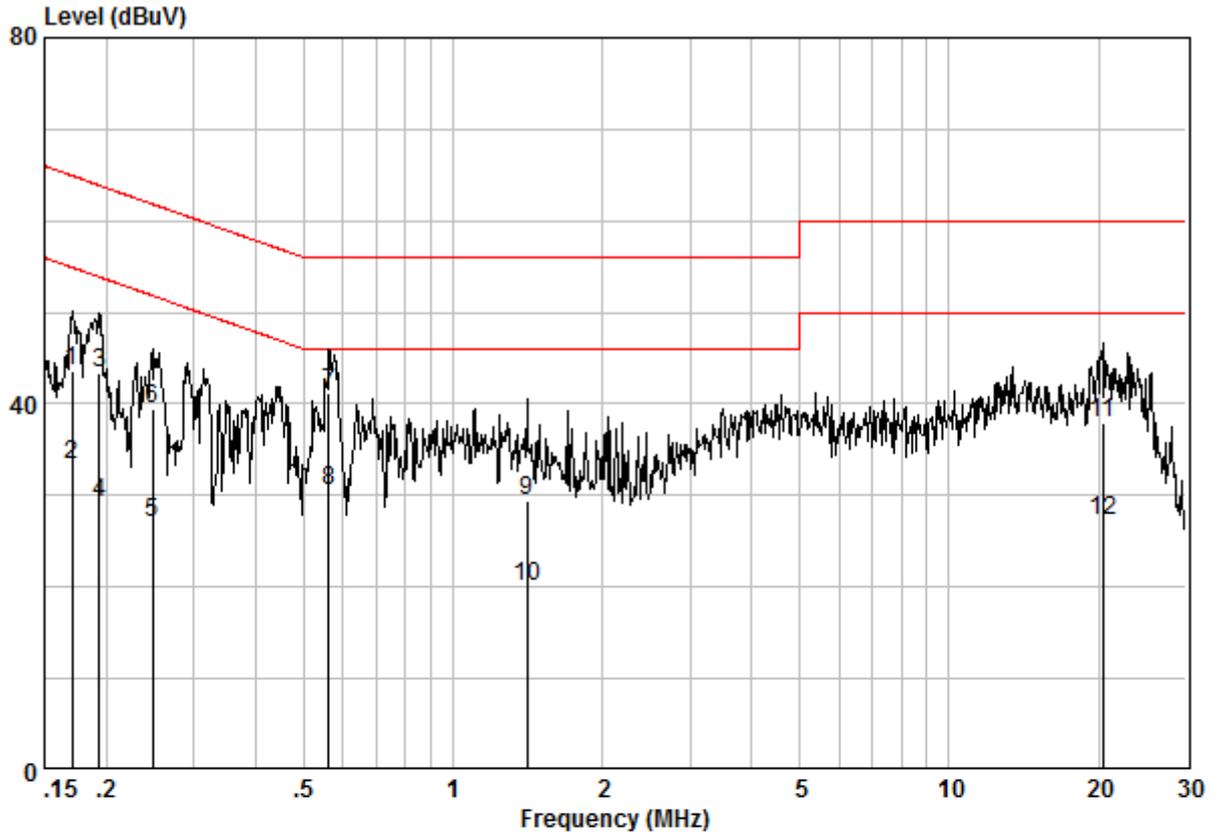


Site : Shielding Room  
 Condition : CE NEUTRAL  
 Job No. : 5519RG  
 Test Mode : e  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17866	0.02	9.61	30.45	40.08	64.55	-24.47	QP
2	0.17866	0.02	9.61	22.44	32.07	54.55	-22.48	Average
3	0.31495	0.02	9.62	20.36	30.00	49.84	-19.84	Average
4	0.31495	0.02	9.62	28.98	38.62	59.84	-21.22	QP
5	0.45395	0.02	9.63	28.66	38.30	56.80	-18.50	QP
6	0.45395	0.02	9.63	19.87	29.52	46.80	-17.29	Average
7	0.56709	0.02	9.63	31.63	41.29	56.00	-14.71	QP
8	0.56709	0.02	9.63	22.58	32.23	46.00	-13.77	Average
9	2.144	0.03	9.66	25.78	35.47	56.00	-20.53	QP
10	2.144	0.03	9.66	16.65	26.34	46.00	-19.66	Average
11	24.142	0.16	10.10	33.61	43.87	60.00	-16.13	QP
12	24.142	0.16	10.10	23.63	33.89	50.00	-16.11	Average

B78004G3203630 & Battery (HB3080G1EBC)

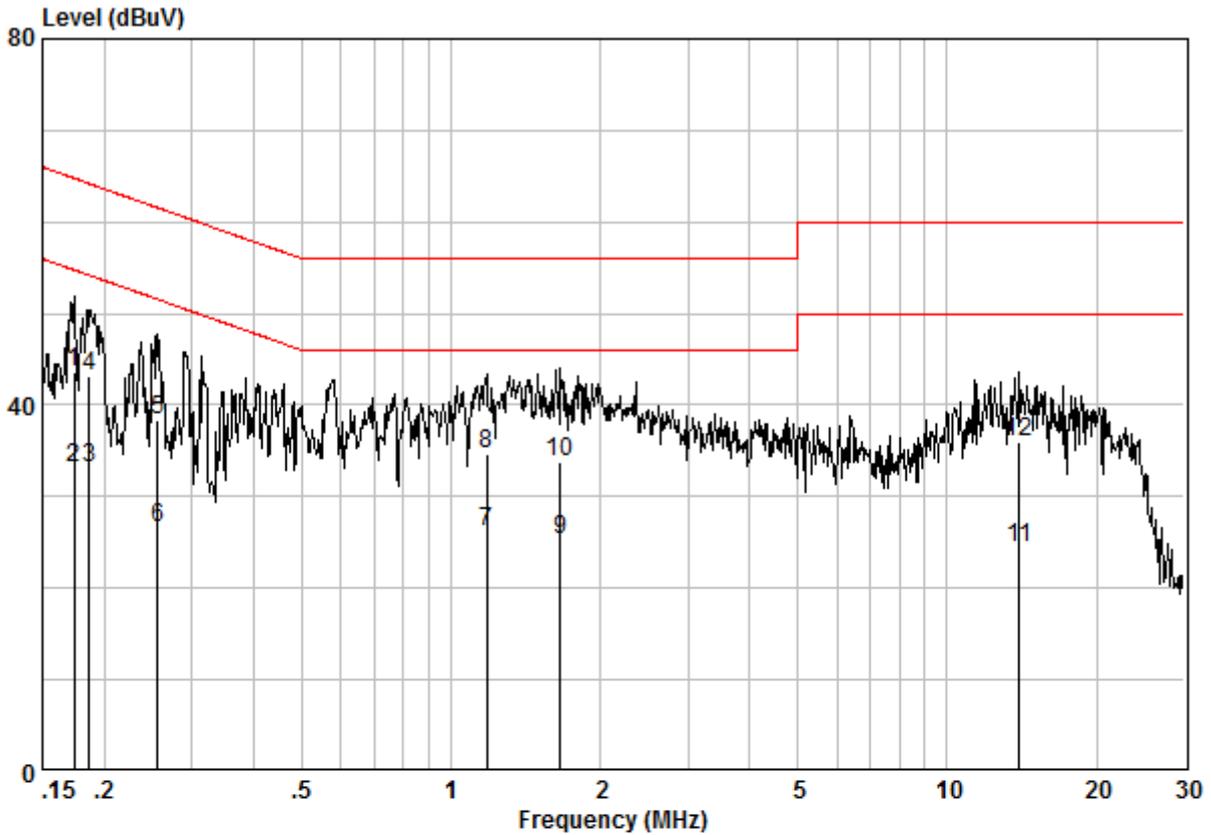
Mode:d;Line:Live Line



Site : Shielding Room  
 Condition : CE LINE  
 Job No. : 5519RG-2#  
 Test Mode : d  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17034	0.02	9.60	33.90	43.52	64.94	-21.43	QP
2	0.17034	0.02	9.60	23.80	33.42	54.94	-21.53	AVERAGE
3	0.19344	0.02	9.60	33.66	43.28	63.89	-20.61	QP
4	0.19344	0.02	9.60	19.67	29.29	53.89	-24.60	AVERAGE
5	0.24814	0.02	9.60	17.38	27.00	51.82	-24.82	AVERAGE
6	0.24814	0.02	9.60	29.91	39.53	61.82	-22.29	QP
7	0.56111	0.02	9.60	31.51	41.14	56.00	-14.86	QP
8	0.56111	0.02	9.60	20.95	30.57	46.00	-15.43	AVERAGE
9	1.411	0.03	9.59	19.74	29.36	56.00	-26.64	QP
10	1.411	0.03	9.59	10.47	20.09	46.00	-25.91	AVERAGE
11	20.377	0.17	9.79	27.87	37.83	60.00	-22.17	QP
12	20.377	0.17	9.79	17.39	27.35	50.00	-22.65	AVERAGE

Mode:d;Line:Neutral Line

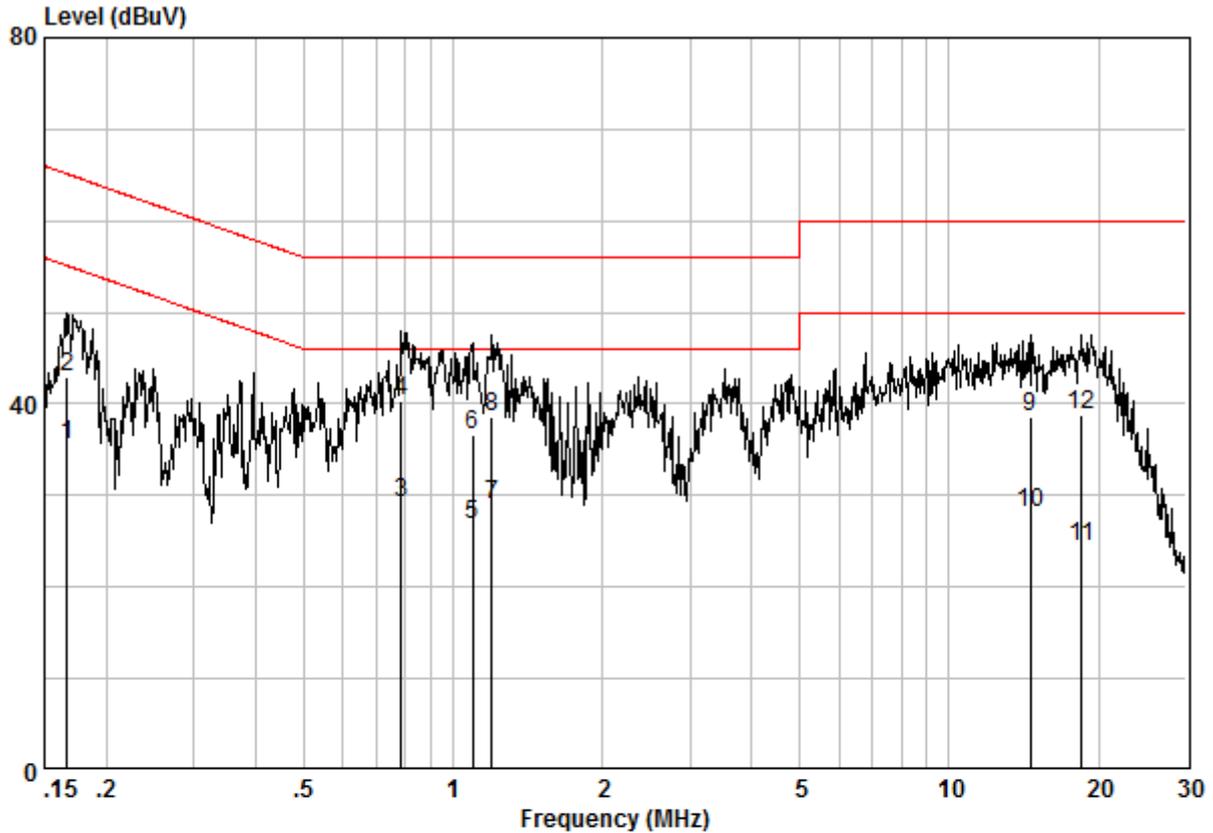


Site : Shielding Room  
 Condition : CE NEUTRAL  
 Job No. : 5519RG-2#  
 Test Mode : d  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17399	0.02	9.60	33.98	43.60	64.77	-21.17	QP
2	0.17399	0.02	9.60	23.59	33.21	54.77	-21.55	AVERAGE
3	0.18639	0.02	9.61	23.41	33.04	54.20	-21.15	AVERAGE
4	0.18639	0.02	9.61	33.42	43.05	64.20	-21.14	QP
5	0.25615	0.02	9.61	28.83	38.46	61.56	-23.09	QP
6	0.25615	0.02	9.61	16.89	26.52	51.56	-25.03	AVERAGE
7	1.178	0.03	9.65	16.57	26.25	46.00	-19.75	AVERAGE
8	1.178	0.03	9.65	25.05	34.73	56.00	-21.27	QP
9	1.662	0.03	9.65	15.69	25.37	46.00	-20.63	AVERAGE
10	1.662	0.03	9.65	24.21	33.89	56.00	-22.11	QP
11	13.989	0.15	9.88	14.45	24.49	50.00	-25.51	AVERAGE
12	13.989	0.15	9.88	25.92	35.96	60.00	-24.04	QP



H780K1G3X00570  
Mode:d;Line:Live Line

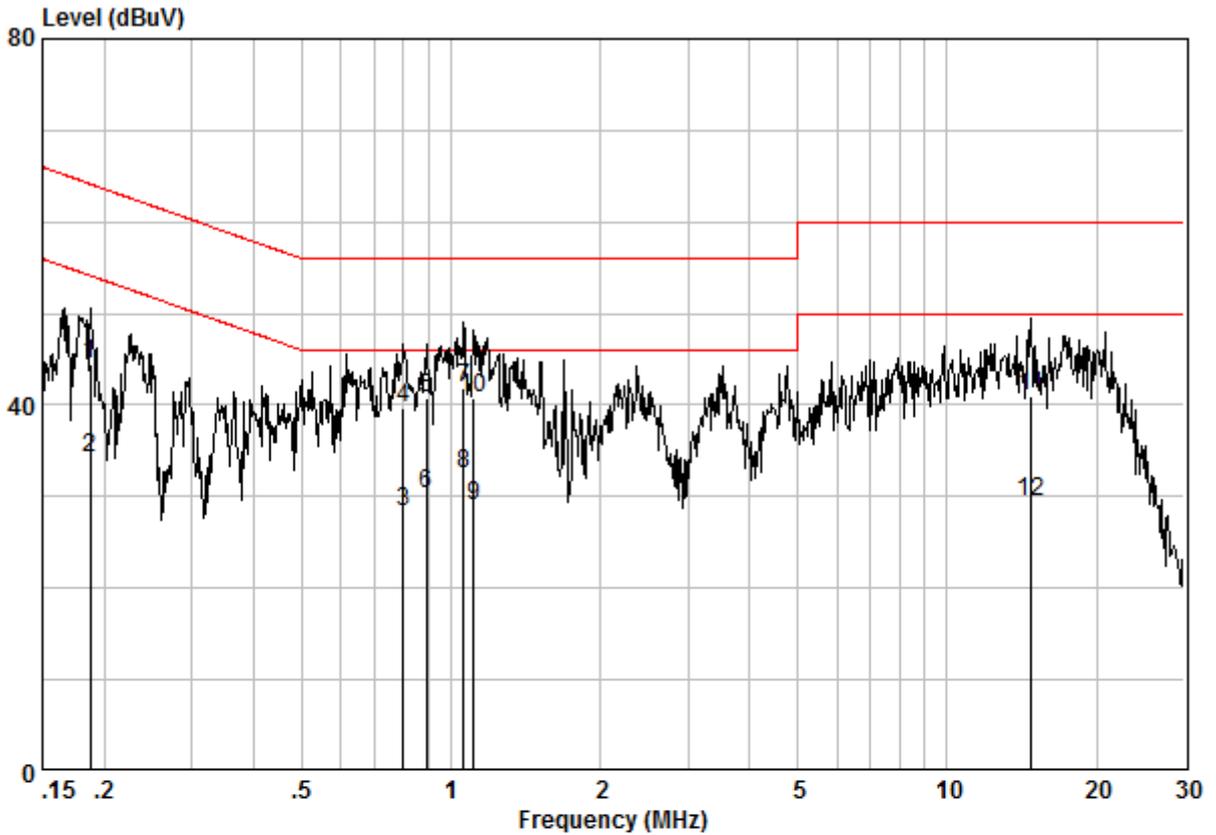


Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : d  
: H780K1G3X00570

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.16677	0.02	9.60	25.94	35.56	55.12	-19.56 AVERAGE
2	0.16677	0.02	9.60	33.39	43.01	65.12	-22.11 QP
3	0.78761	0.03	9.60	19.64	29.26	46.00	-16.74 AVERAGE
4	0.78761	0.03	9.60	30.79	40.42	56.00	-15.58 QP
5	1.094	0.03	9.62	17.08	26.73	46.00	-19.27 AVERAGE
6	1.094	0.03	9.62	27.03	36.68	56.00	-19.32 QP
7	1.197	0.03	9.61	19.31	28.95	46.00	-17.05 AVERAGE
8	1.197	0.03	9.61	29.04	38.68	56.00	-17.32 QP
9	14.594	0.16	9.76	28.76	38.67	60.00	-21.33 QP
10	14.594	0.16	9.76	18.19	28.10	50.00	-21.90 AVERAGE
11	18.524	0.17	9.77	14.49	24.43	50.00	-25.57 AVERAGE
12	18.524	0.17	9.77	28.77	38.72	60.00	-21.28 QP



Mode:d;Line:Neutral Line

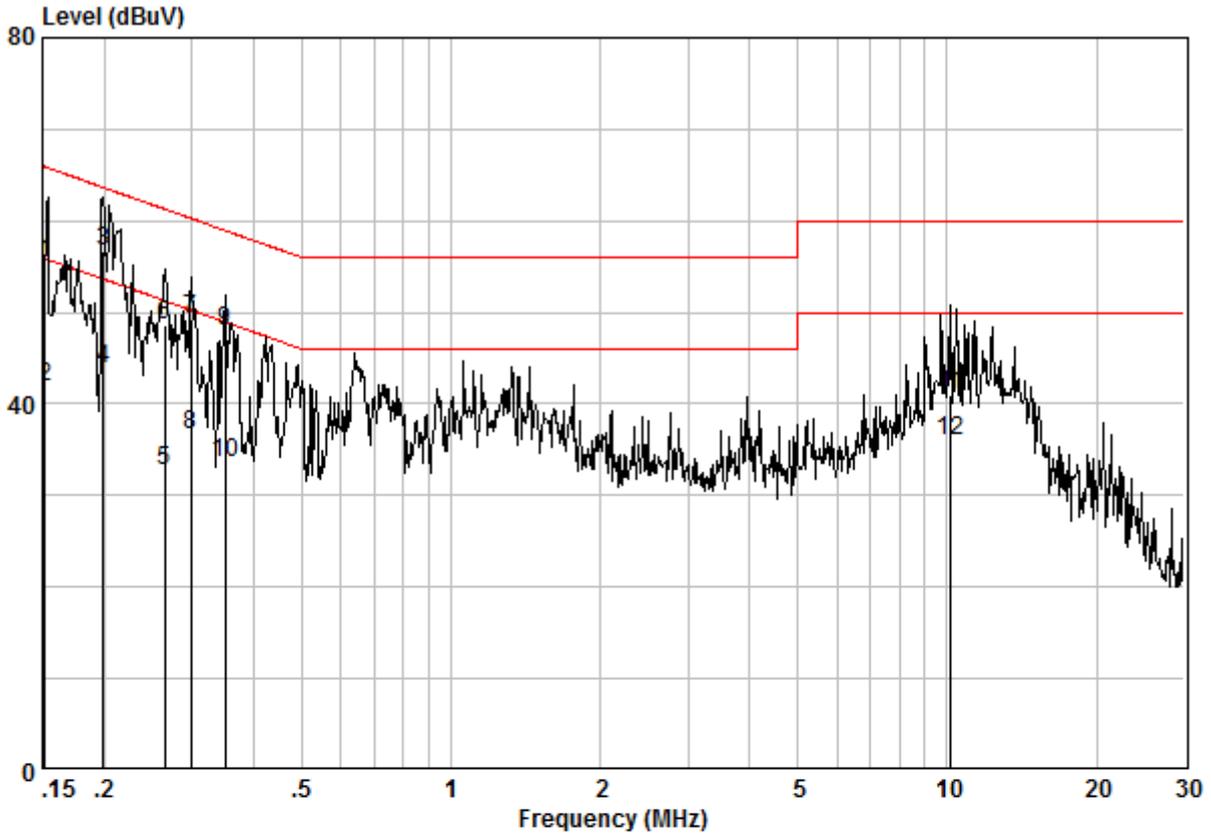


Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 5519RG  
Test Mode : d  
: H780K1G3X00570

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.18738	0.02	9.61	34.73	44.36	64.15	-19.79	QP
2	0.18738	0.02	9.61	24.49	34.13	54.15	-20.03	AVERAGE
3	0.80023	0.03	9.64	18.67	28.33	46.00	-17.67	AVERAGE
4	0.80023	0.03	9.64	30.01	39.68	56.00	-16.32	QP
5	0.88969	0.03	9.63	31.16	40.82	56.00	-15.18	QP
6	0.88969	0.03	9.63	20.58	30.24	46.00	-15.76	AVERAGE
7	1.060	0.03	9.65	32.08	41.76	56.00	-14.24	QP
8	1.060	0.03	9.65	22.85	32.53	46.00	-13.47	AVERAGE
9	1.111	0.03	9.65	19.31	28.99	46.00	-17.01	AVERAGE
10	1.111	0.03	9.65	31.02	40.70	56.00	-15.30	QP
11	14.750	0.16	9.89	30.85	40.90	60.00	-19.10	QP
12	14.750	0.16	9.89	19.33	29.38	50.00	-20.62	AVERAGE



P78015G3W10751  
Mode:d;Line:Live Line

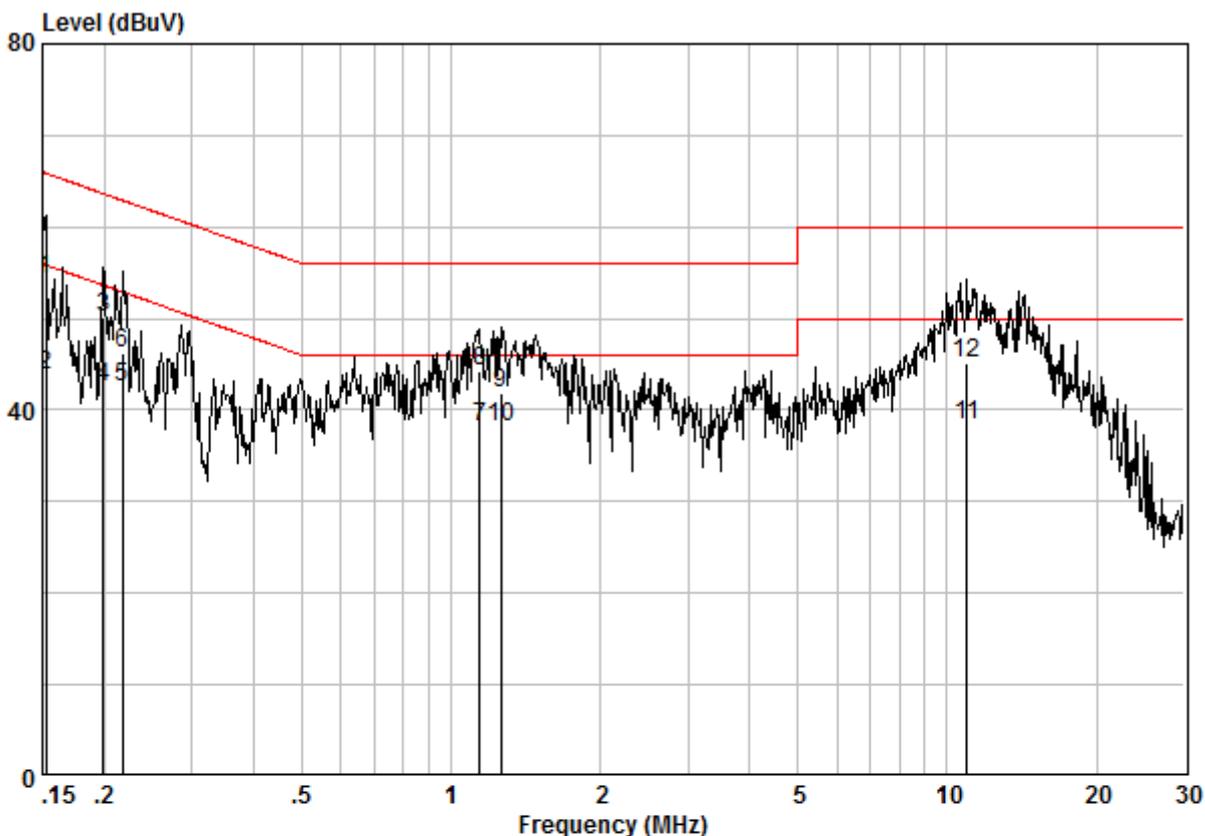


Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : d  
: P78015G3W10751

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1 @	0.15200	0.02	9.59	45.80	55.41	65.89	-10.48 QP
2	0.15200	0.02	9.59	32.30	41.91	55.89	-13.98 Average
3 @	0.19863	0.02	9.60	47.00	56.62	63.67	-7.05 QP
4 @	0.19863	0.02	9.60	34.30	43.92	53.67	-9.75 Average
5	0.26442	0.02	9.60	23.10	32.72	51.29	-18.57 Average
6	0.26442	0.02	9.60	39.05	48.66	61.29	-12.63 QP
7 @	0.29869	0.02	9.59	39.63	49.24	60.28	-11.04 QP
8	0.29869	0.02	9.59	27.11	36.72	50.28	-13.56 Average
9 @	0.35015	0.02	9.59	38.29	47.90	58.96	-11.06 QP
10	0.35015	0.02	9.59	24.00	33.61	48.96	-15.35 Average
11	10.179	0.14	9.71	31.20	41.05	60.00	-18.95 QP
12	10.179	0.14	9.71	26.20	36.05	50.00	-13.95 Average



Mode:d;Line:Neutral Line



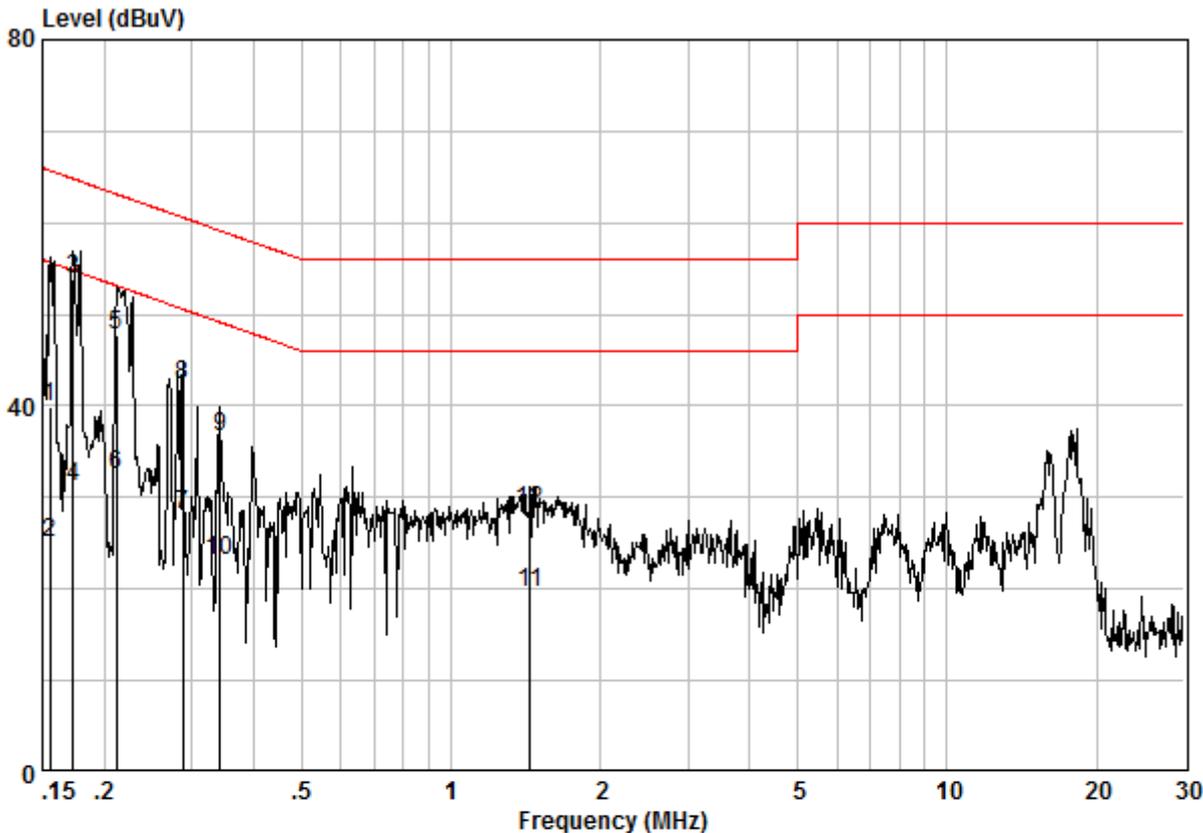
Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 5519RG  
Test Mode : d  
: P78015G3W10751

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.15240	0.02	9.62	44.75	54.38	65.87	-11.49	QP
2	0.15240	0.02	9.62	34.27	43.90	55.87	-11.96	AVERAGE
3	0.19863	0.02	9.62	40.54	50.18	63.67	-13.49	QP
4 @	0.19863	0.02	9.62	32.93	42.57	53.67	-11.10	AVERAGE
5 @	0.21735	0.02	9.62	32.80	42.43	52.92	-10.49	AVERAGE
6	0.21735	0.02	9.62	36.64	46.27	62.92	-16.65	QP
7 @	1.141	0.03	9.65	28.37	38.05	46.00	-7.95	AVERAGE
8	1.141	0.03	9.65	34.54	44.22	56.00	-11.78	QP
9	1.262	0.03	9.65	32.27	41.95	56.00	-14.05	QP
10 @	1.262	0.03	9.65	28.46	38.14	46.00	-7.86	AVERAGE
11	10.963	0.14	9.81	28.48	38.44	50.00	-11.56	AVERAGE
12	10.963	0.14	9.81	35.24	45.20	60.00	-14.80	QP



PC mode

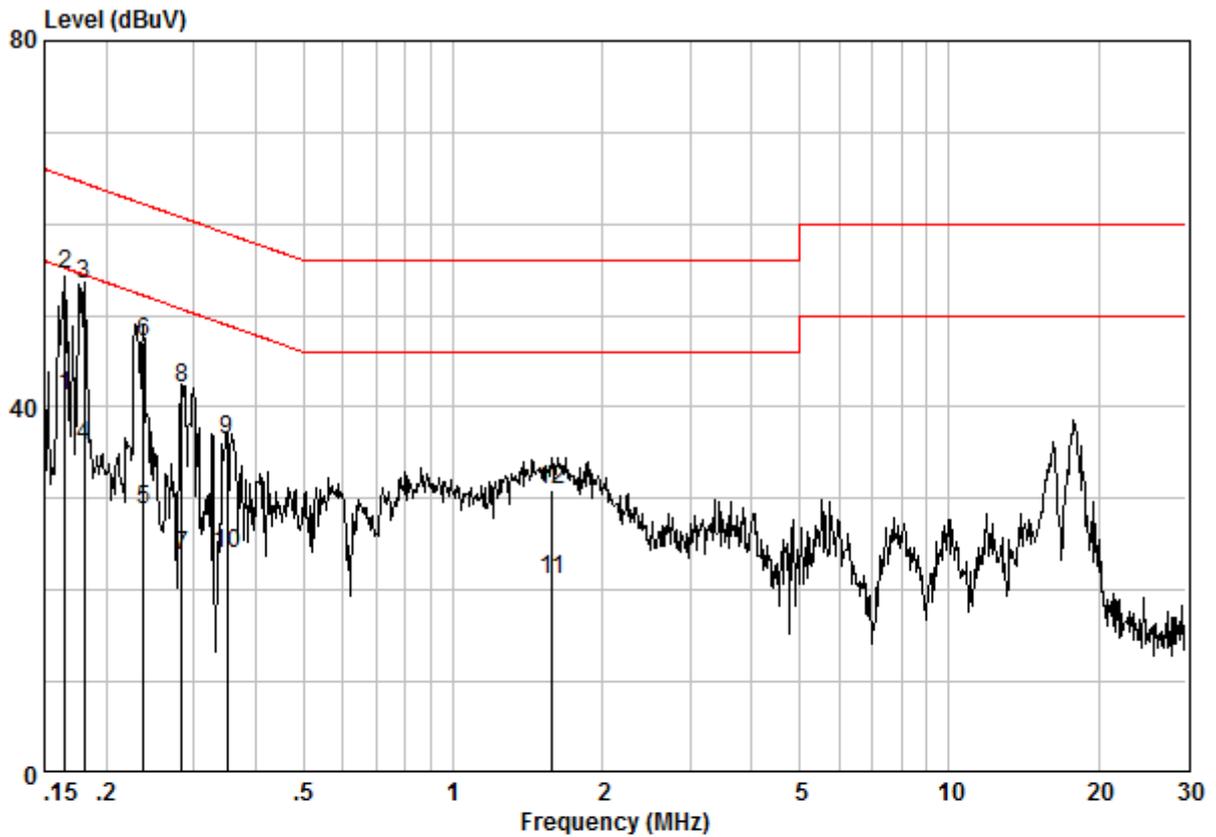
Mode:f;Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 5519RG  
Test Mode : f  
: B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15567	0.02	9.59	30.20	39.81	65.69	-25.88	QP
2	0.15567	0.02	9.59	15.55	25.16	55.69	-30.53	AVERAGE
3	0.17307	0.02	9.60	44.23	53.85	64.81	-10.96	QP
4	0.17307	0.02	9.60	21.65	31.27	54.81	-23.54	AVERAGE
5	0.21167	0.02	9.60	38.21	47.83	63.14	-15.31	QP
6	0.21167	0.02	9.60	22.80	32.42	53.14	-20.72	AVERAGE
7	0.28782	0.02	9.59	18.51	28.12	50.59	-22.47	AVERAGE
8	0.28782	0.02	9.59	32.64	42.25	60.59	-18.34	QP
9	0.34281	0.02	9.59	27.05	36.66	59.13	-22.47	QP
10	0.34281	0.02	9.59	13.46	23.07	49.13	-26.06	AVERAGE
11	1.441	0.03	9.59	10.05	19.66	46.00	-26.34	AVERAGE
12	1.441	0.03	9.59	18.95	28.57	56.00	-27.43	QP

Mode:f;Line:Neutral Line



Site : Shielding Room  
 Condition : CE NEUTRAL  
 Job No. : 5519RG  
 Test Mode : f  
 : B78004G3203630

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16501	0.02	9.60	31.67	41.30	55.21	-13.91	AVERAGE
2 @	0.16501	0.02	9.60	44.97	54.60	65.21	-10.61	QP
3	0.18056	0.02	9.61	43.78	53.41	64.46	-11.05	QP
4	0.18056	0.02	9.61	26.10	35.72	54.46	-18.74	AVERAGE
5	0.23784	0.02	9.61	19.22	28.85	52.17	-23.32	AVERAGE
6	0.23784	0.02	9.61	37.52	47.15	62.17	-15.02	QP
7	0.28328	0.02	9.62	14.17	23.80	50.72	-26.92	AVERAGE
8	0.28328	0.02	9.62	32.41	42.04	60.72	-18.68	QP
9	0.35015	0.02	9.62	26.83	36.47	58.96	-22.49	QP
10	0.35015	0.02	9.62	14.26	23.90	48.96	-25.06	AVERAGE
11	1.585	0.03	9.64	11.40	21.07	46.00	-24.93	AVERAGE
12	1.585	0.03	9.64	21.36	31.04	56.00	-24.96	QP



**6.2 Radiated Disturbance(30MHz-1GHz)**

Test Requirement: 47 CFR PART 15,Subpart B:2015  
 Test Method: ANSI C63.4  
 Frequency Range: 30MHz to 1GHz  
 Limit:  
 30MHz -88MHz 29.5(dBμV/m) quasi-peak  
 88MHz-216MHz 33.1(dBμV/m) quasi-peak  
 216MHz-960MHz 35.6(dBμV/m) quasi-peak  
 960MHz-1000MHz 43.5(dBμV/m) quasi-peak  
 Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

**6.2.1 E.U.T. Operation**

Operating Environment:						
Temperature:	25.0 °C	Humidity:	51 % RH	Atmospheric Pressure:	1010	mbar
Test mode	a: charge + WiFi idle mode + earphone b: charge + Bluetooth Classic idle mode + earphone c: charge + Bluetooth Low Energy idle mode + earphone d: charge + REC mode (Front Camera)/ (Rear Camera) which is worst. e: charge + Playing mode + earphone f: PC mode.					

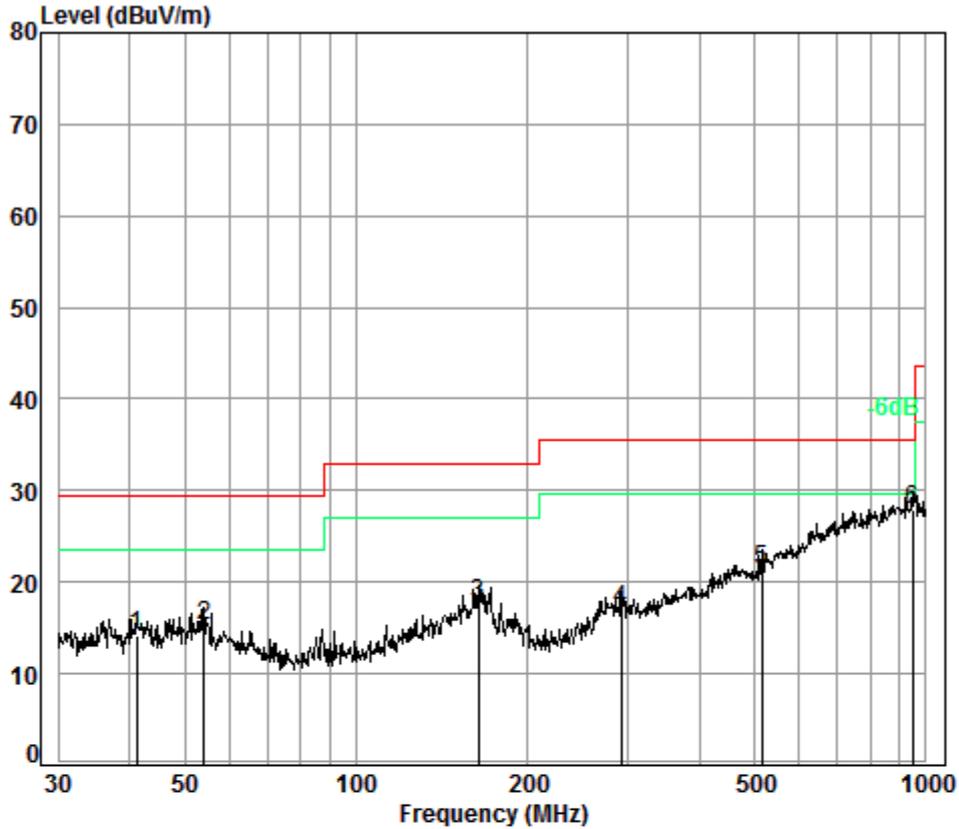
**6.2.2 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



B78004G3203630

Mode:a;Polarization:Horizontal



Condition: 10m HORIZONTAL

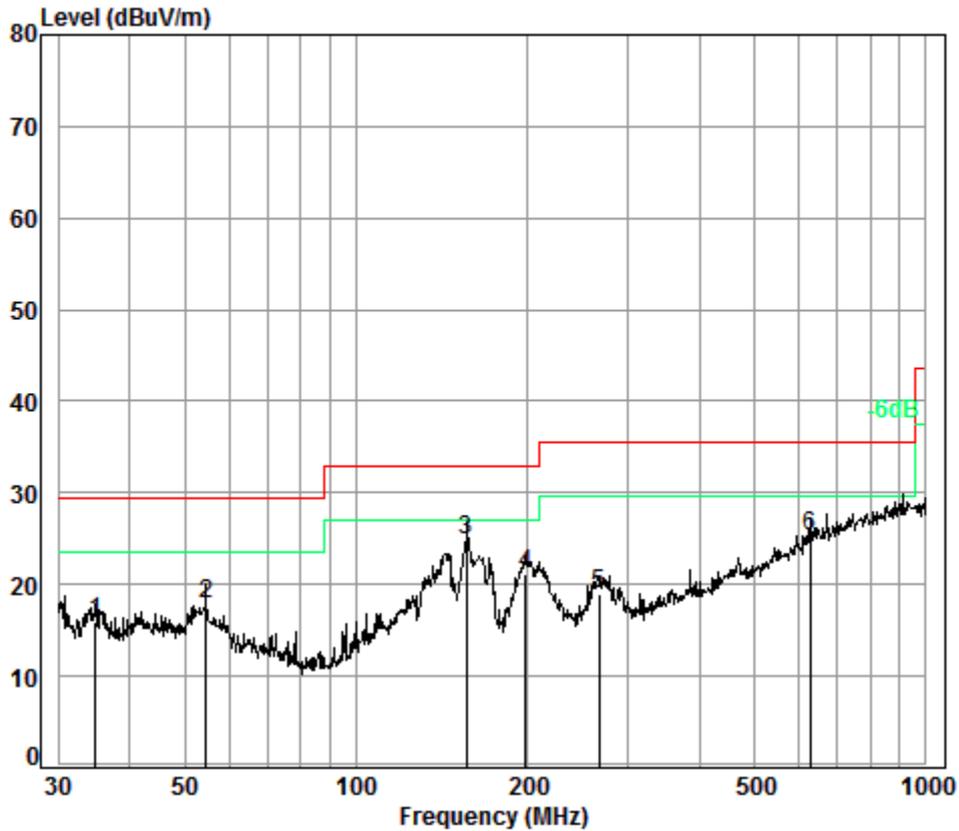
Job No. : 5519RG

Test Mode: a

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	41.28	6.80	13.21	32.99	27.08	14.10	29.50	-15.40
2	54.07	6.98	12.45	32.98	28.73	15.18	29.50	-14.32
3	163.76	7.50	13.02	32.73	29.89	17.68	33.00	-15.32
4	292.06	8.03	12.46	32.61	29.04	16.92	35.60	-18.68
5	515.44	8.68	17.09	32.60	28.30	21.47	35.60	-14.13
6 pp	948.76	9.57	22.72	32.50	28.06	27.85	35.60	-7.75

Mode:a;Polarization:Vertical



Condition: 10m VERTICAL

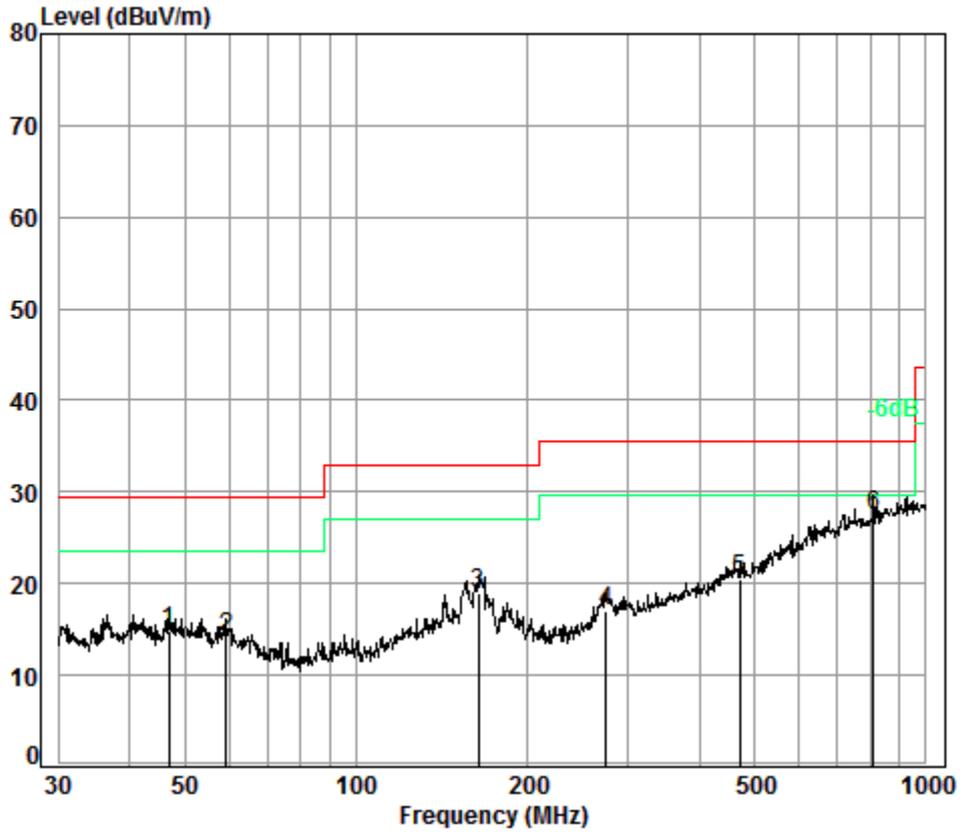
Job No. : 5519RG

Test Mode: a

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	34.88	6.70	12.64	32.98	29.55	15.91	29.50	-13.59
2	54.45	6.99	12.42	32.98	31.53	17.96	29.50	-11.54
3 pp	156.46	7.48	13.40	32.74	36.78	24.92	33.00	-8.08
4	198.59	7.59	9.36	32.70	36.85	21.10	33.00	-11.90
5	266.61	7.94	11.73	32.63	31.96	19.00	35.60	-16.60
6	625.08	8.96	19.22	32.60	29.71	25.29	35.60	-10.31

Mode:b;Polarization:Horizontal



Condition: 10m HORIZONTAL

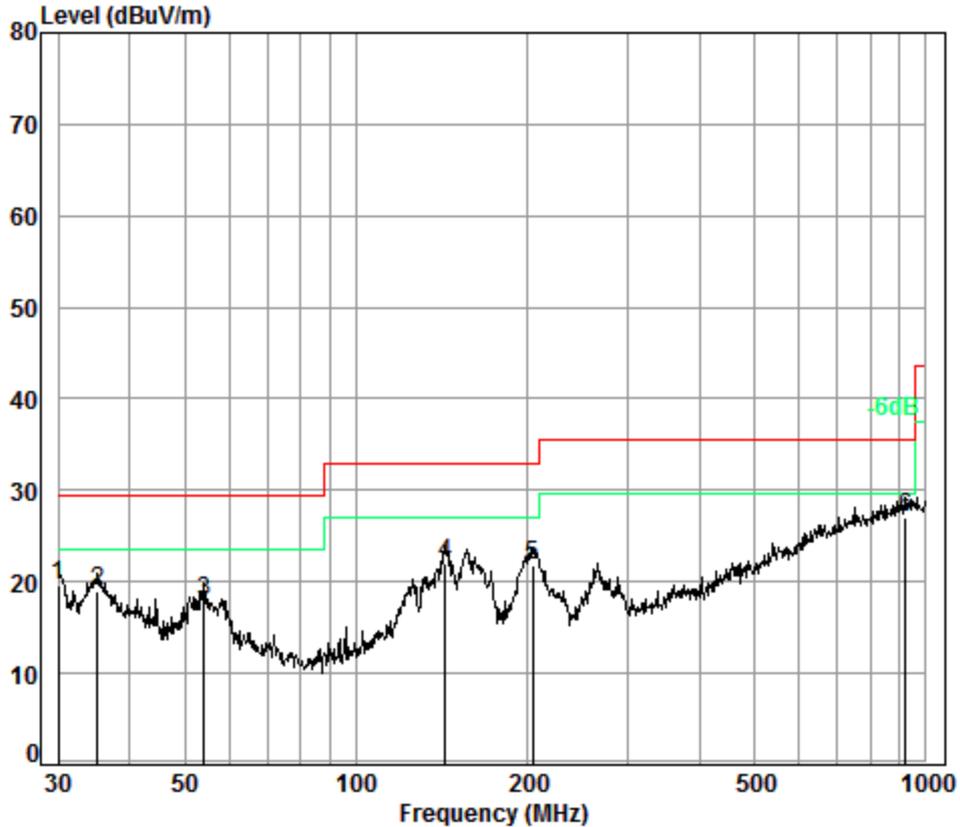
Job No. : 5519RG

Test Mode: b

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	46.99	6.84	12.85	33.00	28.20	14.89	29.50	-14.61
2	59.23	7.00	12.06	32.95	27.97	14.08	29.50	-15.42
3	163.76	7.50	13.02	32.73	31.11	18.90	33.00	-14.10
4	274.19	7.97	11.98	32.62	29.67	17.00	35.60	-18.60
5	470.52	8.48	16.40	32.60	28.21	20.49	35.60	-15.11
6 pp	810.27	9.30	21.30	32.59	29.54	27.55	35.60	-8.05

Mode:b;Polarization:Vertical



Condition: 10m VERTICAL

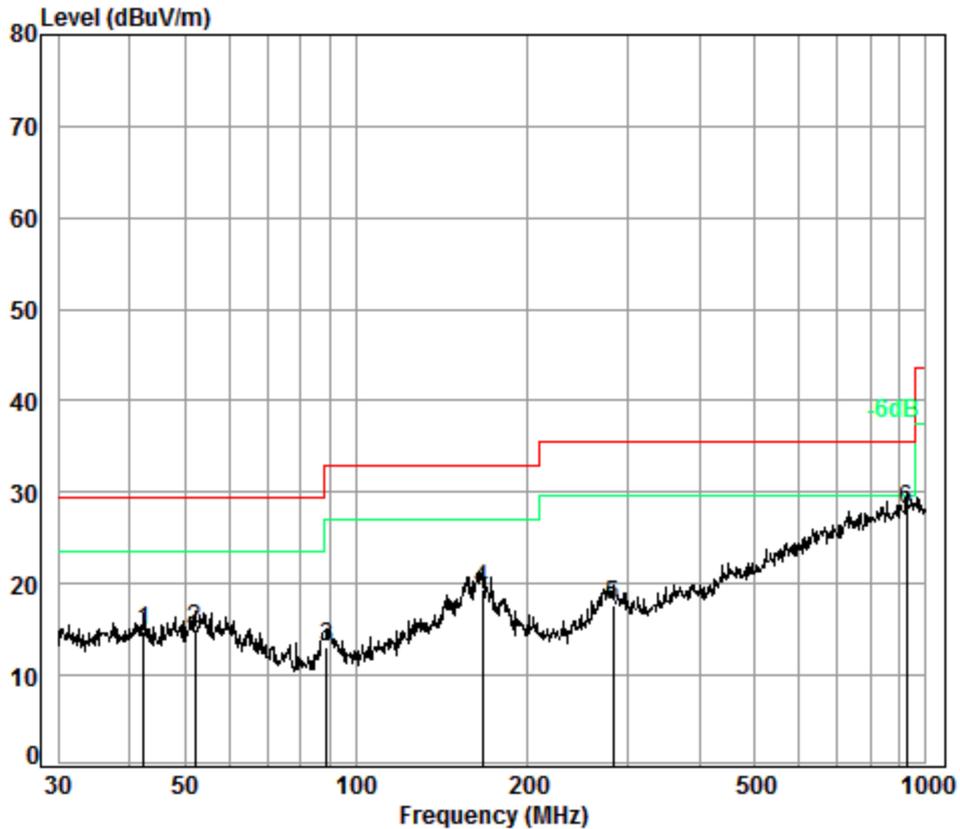
Job No. : 5519RG

Test Mode: b

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.00	6.70	12.47	32.97	33.52	19.72	29.50	-9.78
2	35.25	6.71	12.68	32.98	32.58	18.99	29.50	-10.51
3	54.07	6.98	12.45	32.98	31.40	17.85	29.50	-11.65
4	143.33	7.42	12.98	32.75	34.32	21.97	33.00	-11.03
5	204.24	7.62	9.39	32.69	37.39	21.71	33.00	-11.29
6 pp	919.29	9.50	22.48	32.50	27.63	27.11	35.60	-8.49

Mode:c;Polarization:Horizontal



Condition: 10m HORIZONTAL

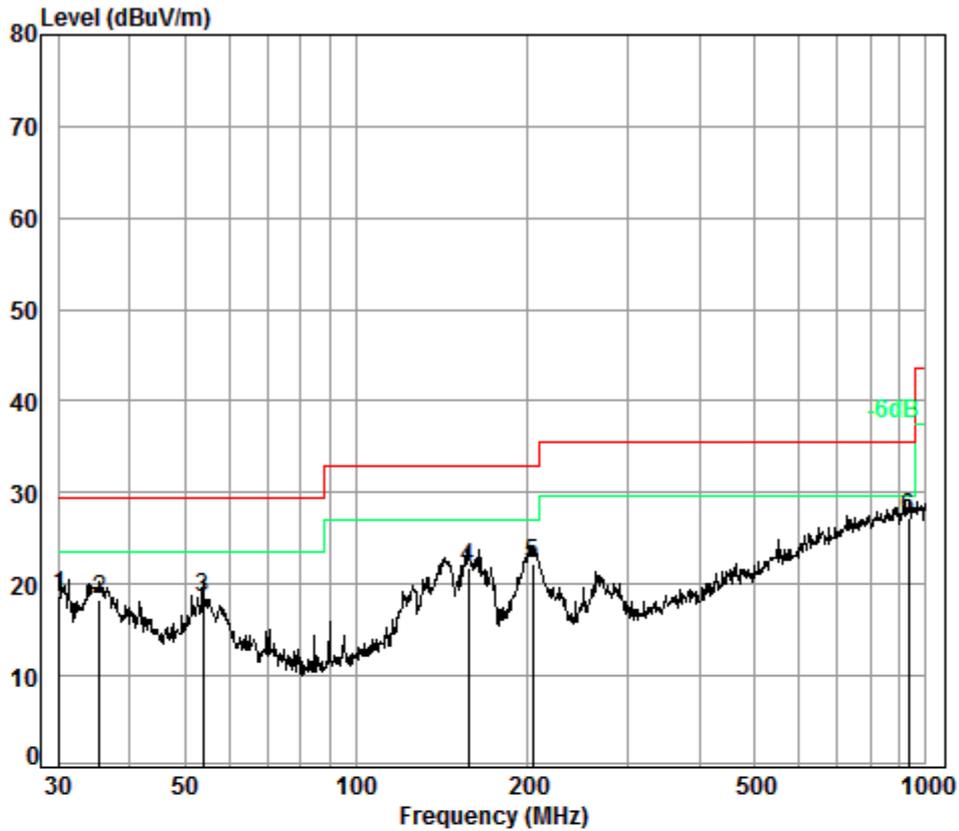
Job No. : 5519RG

Test Mode: c

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	42.45	6.80	13.11	32.99	27.85	14.77	29.50	-14.73
2	52.21	6.95	12.60	32.99	28.40	14.96	29.50	-14.54
3	88.96	7.19	8.68	32.83	30.11	13.15	33.00	-19.85
4	166.65	7.50	12.74	32.73	31.97	19.48	33.00	-13.52
5	282.99	8.01	12.24	32.61	30.09	17.73	35.60	-17.87
6 pp	925.76	9.51	22.57	32.50	28.54	28.12	35.60	-7.48

Mode:c;Polarization:Vertical



Condition: 10m VERTICAL

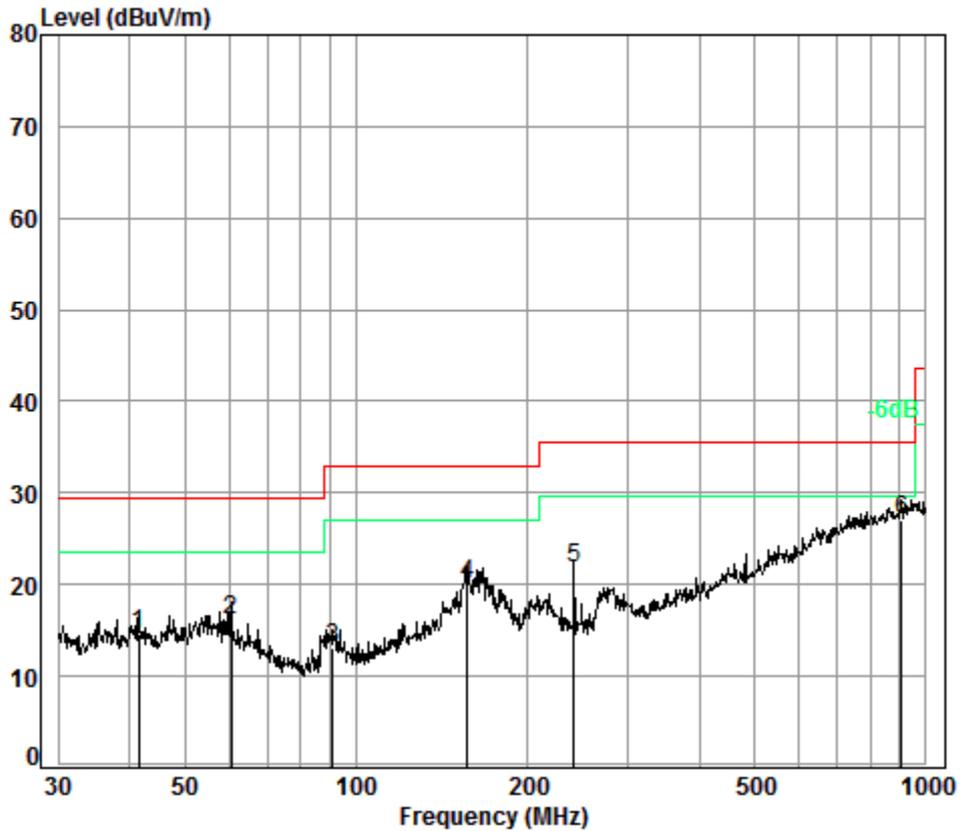
Job No. : 5519RG

Test Mode: c

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.21	6.70	12.48	32.97	32.63	18.84	29.50	-10.66
2	35.50	6.71	12.71	32.98	31.85	18.29	29.50	-11.21
3	53.88	6.98	12.46	32.98	32.12	18.58	29.50	-10.92
4	157.56	7.49	13.39	32.73	33.75	21.90	33.00	-11.10
5	204.24	7.62	9.39	32.69	37.81	22.13	33.00	-10.87
6 pp	932.27	9.53	22.61	32.50	27.61	27.25	35.60	-8.35

Mode:d;Polarization:Horizontal



Condition: 10m HORIZONTAL

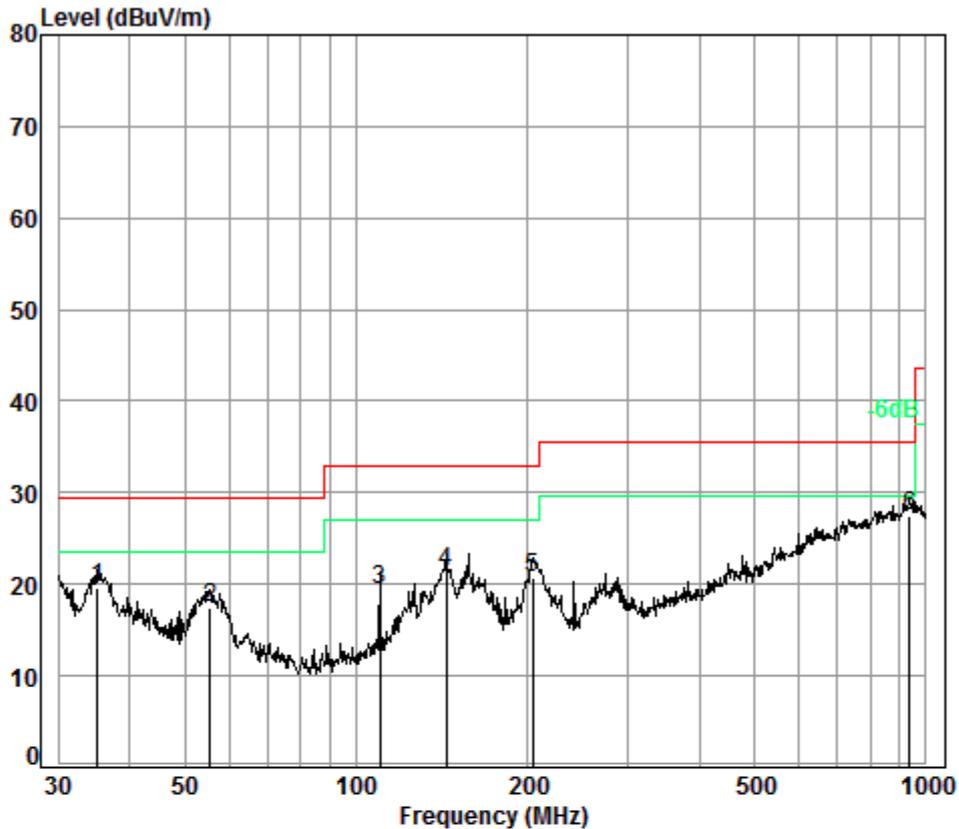
Job No. : 5519RG

Test Mode: d

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	41.57	6.80	13.18	32.99	27.60	14.59	29.50	-14.91
2	60.49	7.00	11.90	32.95	30.23	16.18	29.50	-13.32
3	90.86	7.20	8.75	32.83	29.89	13.01	33.00	-19.99
4	157.01	7.49	13.40	32.73	31.81	19.97	33.00	-13.03
5	240.83	7.80	11.08	32.65	35.52	21.75	35.60	-13.85
6 pp	906.48	9.50	22.31	32.50	27.81	27.12	35.60	-8.48

Mode:d;Polarization:Vertical



Condition: 10m VERTICAL

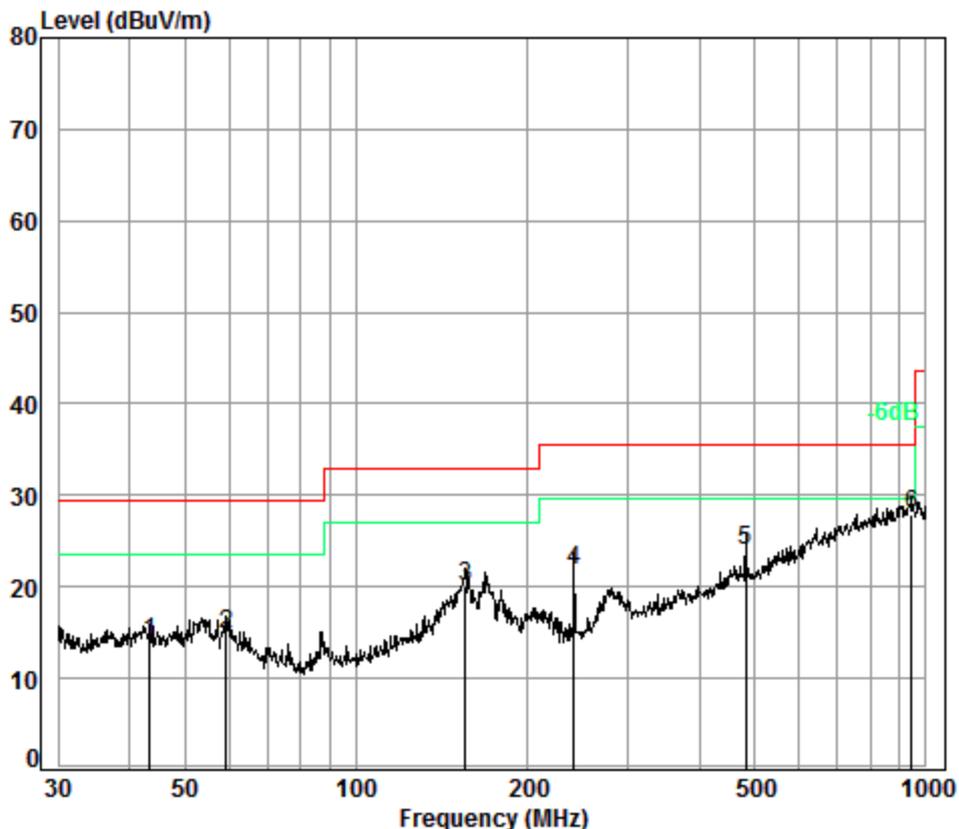
Job No. : 5519RG

Test Mode: d

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	35.25	6.71	12.68	32.98	33.13	19.54	29.50	-9.96
2	55.41	7.00	12.34	32.97	30.96	17.33	29.50	-12.17
3	110.18	7.25	10.39	32.79	34.47	19.32	33.00	-13.68
4	143.83	7.42	13.01	32.75	33.66	21.34	33.00	-11.66
5	204.24	7.62	9.39	32.69	36.48	20.80	33.00	-12.20
6 pp	935.55	9.54	22.63	32.50	27.81	27.48	35.60	-8.12

Mode:e;Polarization:Horizontal



Condition: 10m HORIZONTAL

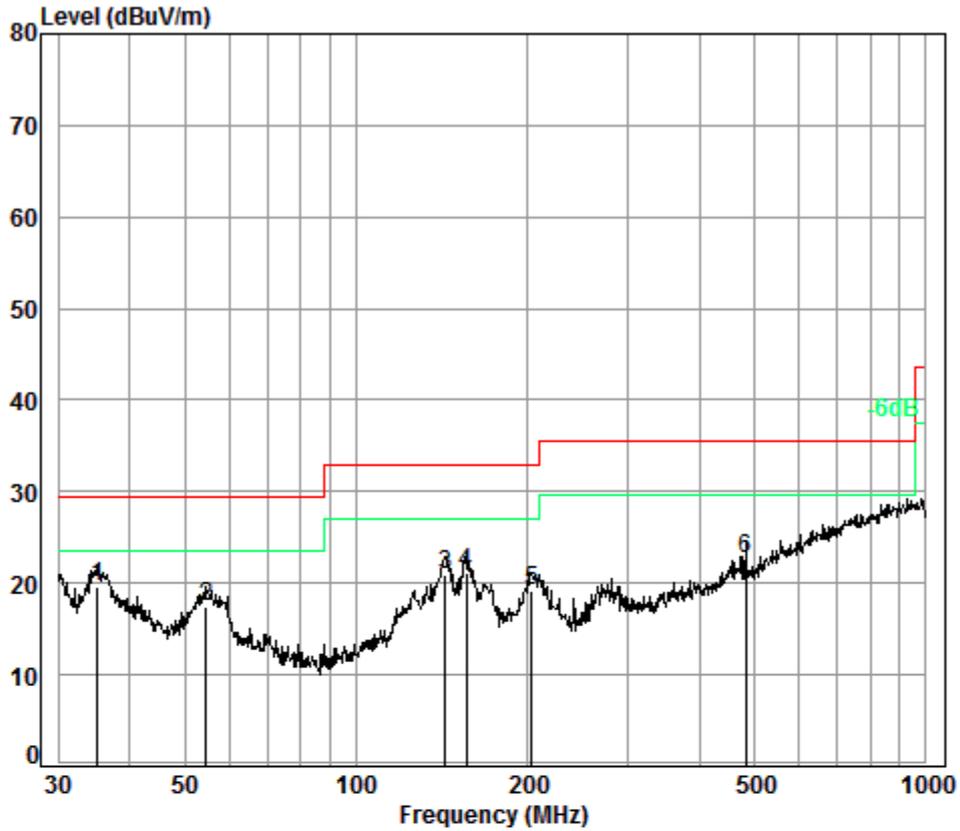
Job No. : 5519RG

Test Mode: e

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	43.51	6.80	13.02	32.99	27.08	13.91	29.50	-15.59
2	59.23	7.00	12.06	32.95	28.61	14.72	29.50	-14.78
3	155.36	7.48	13.40	32.74	31.82	19.96	33.00	-13.04
4	240.83	7.80	11.08	32.65	35.59	21.82	35.60	-13.78
5	482.22	8.51	16.55	32.60	31.58	24.04	35.60	-11.56
6 pp	945.44	9.56	22.70	32.50	28.06	27.82	35.60	-7.78

Mode:e;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 5519RG

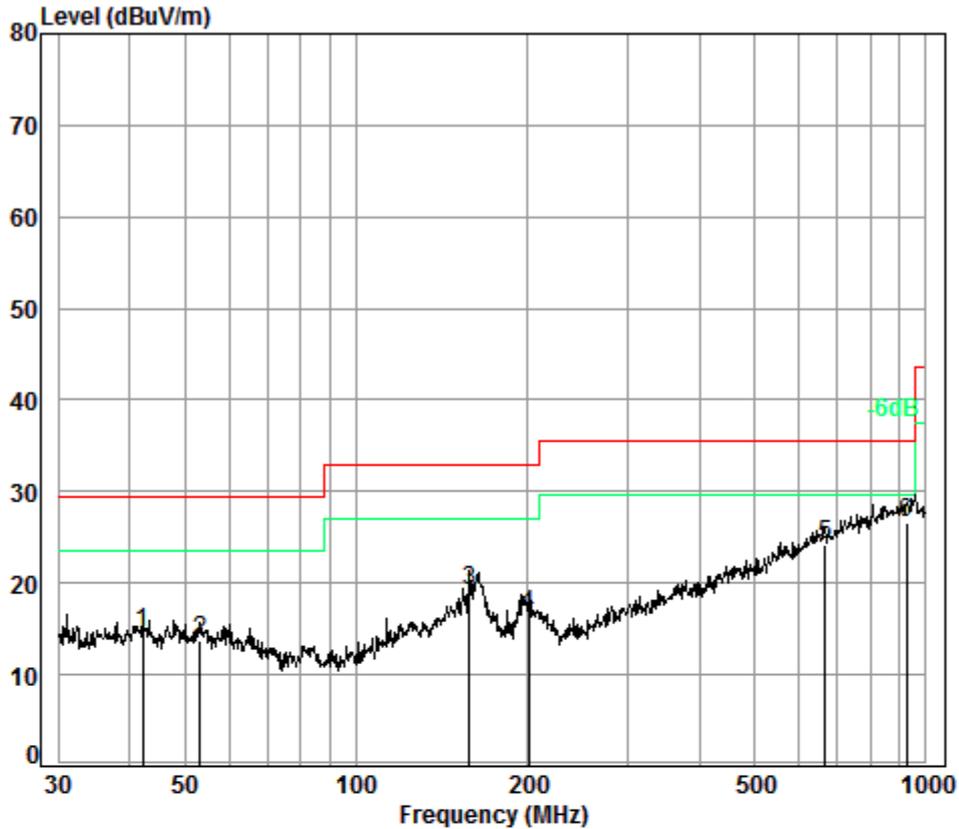
Test Mode: e

: B78004G3203630

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	35.13	6.70	12.66	32.98	33.33	19.71	29.50	-9.79
2	54.64	6.99	12.40	32.97	31.09	17.51	29.50	-11.99
3	143.33	7.42	12.98	32.75	33.30	20.95	33.00	-12.05
4	156.46	7.48	13.40	32.74	33.11	21.25	33.00	-11.75
5	203.52	7.62	9.38	32.70	34.79	19.09	33.00	-13.91
6	482.22	8.51	16.55	32.60	30.14	22.60	35.60	-13.00

B78004G3203630 & Battery (HB3080G1EBC)

Mode:d;Polarization:Horizontal



Condition: 10m HORIZONTAL

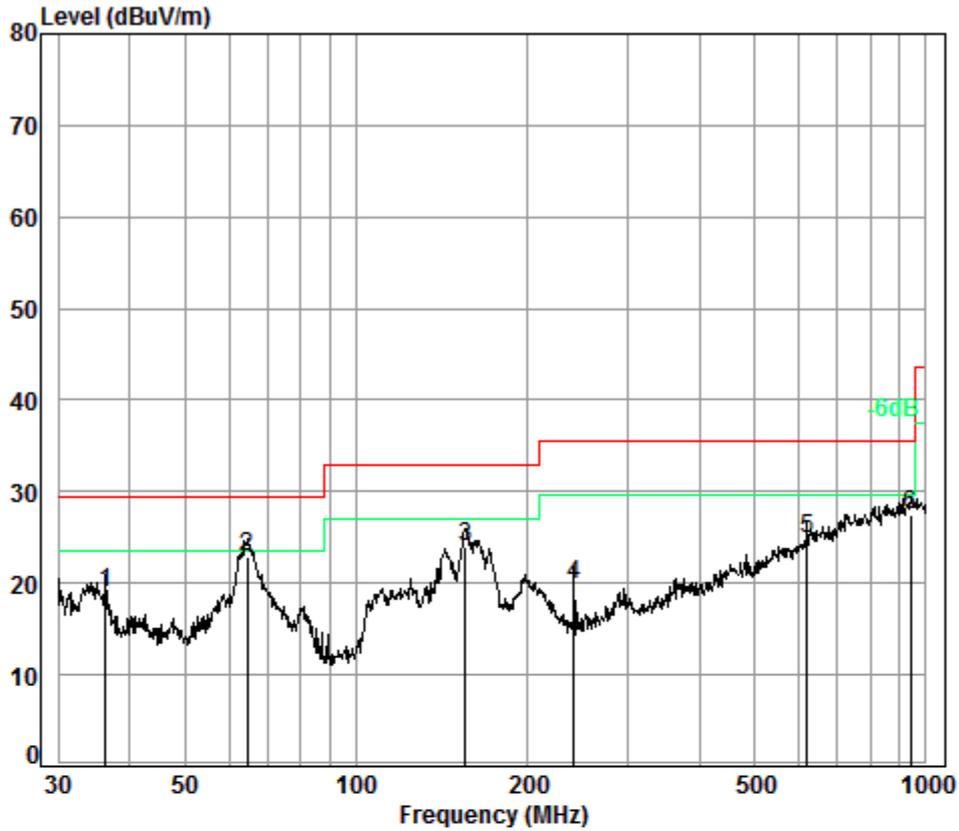
Job No. : 5519RG-2#

Test Mode: d

: P78015G3W10751

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	42.15	6.80	13.13	32.99	27.68	14.62	29.50	-14.88
2	53.13	6.96	12.52	32.98	27.22	13.72	29.50	-15.78
3	158.11	7.49	13.39	32.73	31.11	19.26	33.00	-13.74
4	200.69	7.60	9.31	32.70	32.46	16.67	33.00	-16.33
5	665.80	9.07	19.73	32.60	28.06	24.26	35.60	-11.34
6 pp	925.76	9.51	22.57	32.50	27.01	26.59	35.60	-9.01

Mode:d;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 5519RG-2#

Test Mode: d

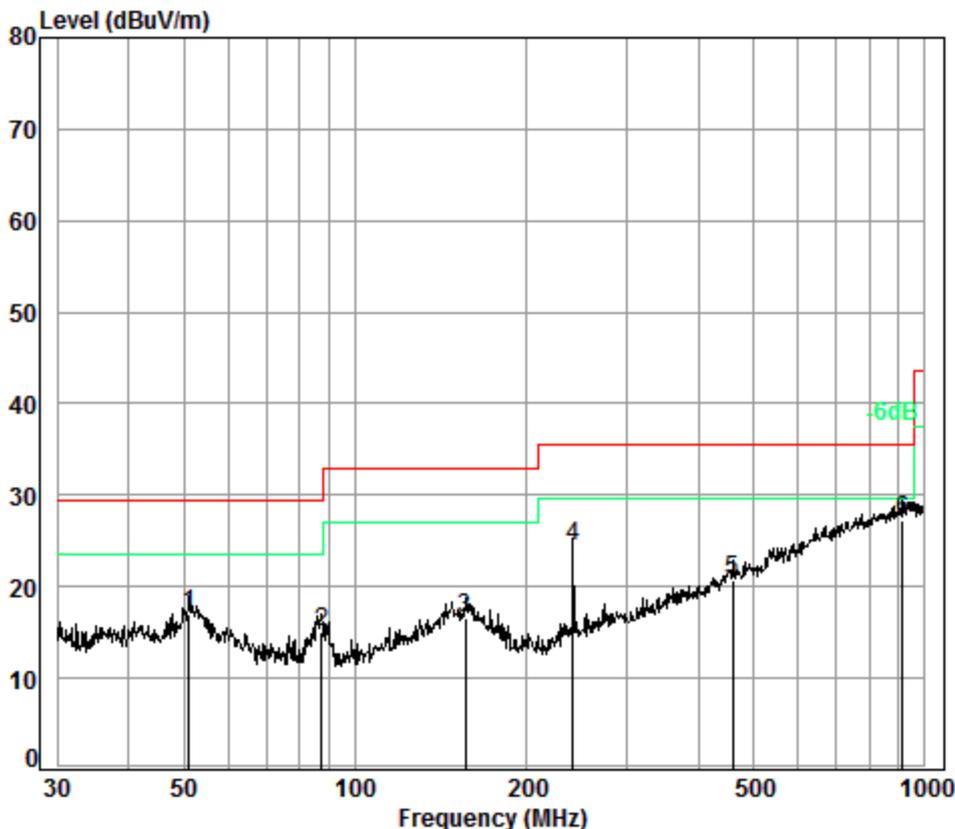
: P78015G3W10751

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	36.38	6.73	12.84	32.98	32.33	18.92	29.50	-10.58
2	64.43	7.00	11.11	32.93	37.67	22.85	29.50	-6.65
3	155.36	7.48	13.40	32.74	35.90	24.04	33.00	-8.96
4	240.83	7.80	11.08	32.65	33.56	19.79	35.60	-15.81
5	618.54	8.95	19.09	32.60	29.41	24.85	35.60	-10.75
6	938.83	9.55	22.65	32.50	27.78	27.48	35.60	-8.12



H780K1G3X00570

Mode:d;Polarization:Horizontal



Condition: 10m HORIZONTAL

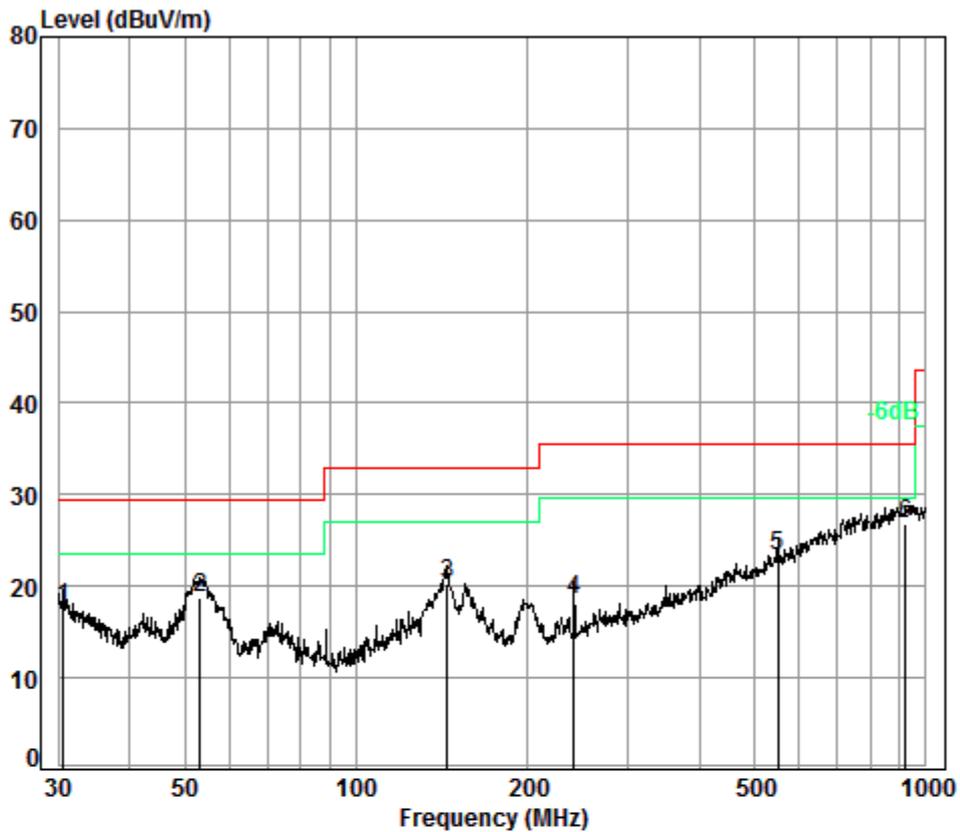
Job No. : 5519RG

Test Mode: d

: H780K1G3X00570

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	51.12	6.92	12.69	32.99	30.34	16.96	29.50	-12.54
2	87.42	7.18	8.65	32.84	31.99	14.98	29.50	-14.52
3	155.91	7.48	13.40	32.74	28.50	16.64	33.00	-16.36
4	240.83	7.80	11.08	32.65	38.10	24.33	35.60	-11.27
5	459.11	8.45	16.28	32.60	28.68	20.81	35.60	-14.79
6 pp	912.86	9.50	22.40	32.50	27.95	27.35	35.60	-8.25

Mode:d;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 5519RG

Test Mode: d

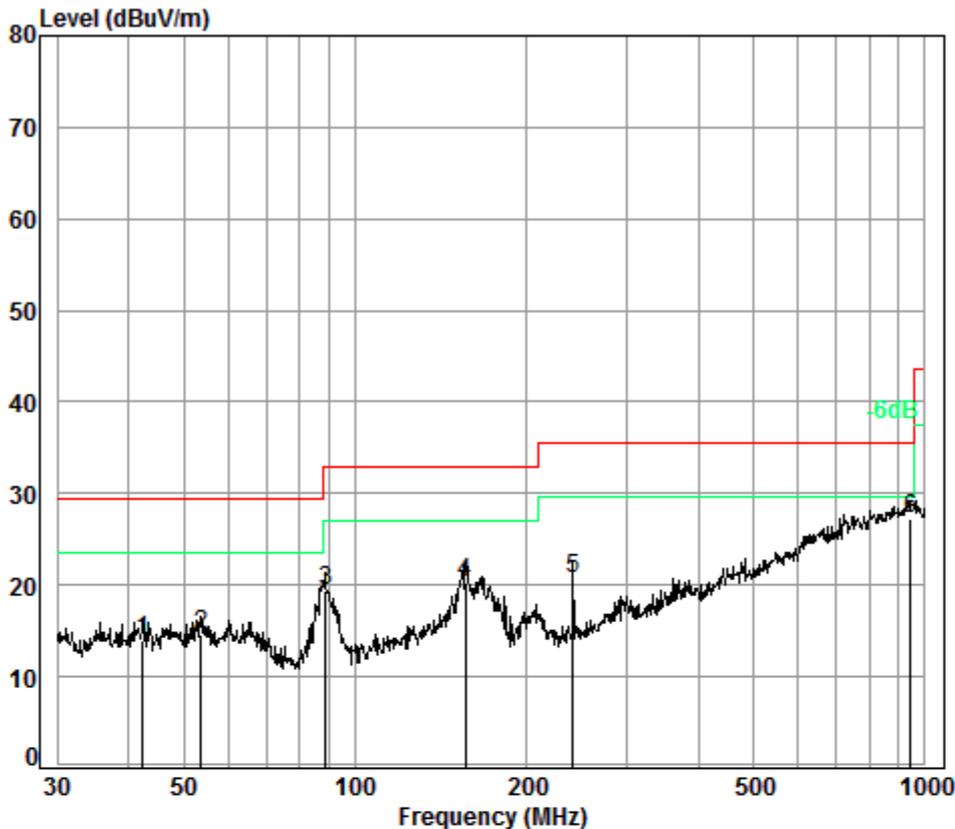
: H780K1G3X00570

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.64	6.70	12.49	32.97	31.34	17.56	29.50	-11.94
2	53.32	6.97	12.51	32.98	32.35	18.85	29.50	-10.65
3	144.84	7.43	13.08	32.75	32.55	20.31	33.00	-12.69
4	240.83	7.80	11.08	32.65	32.35	18.58	35.60	-17.02
5	550.95	8.78	17.75	32.60	29.34	23.27	35.60	-12.33
6 pp	922.52	9.51	22.53	32.50	27.19	26.73	35.60	-8.87



P78015G3W10751

Mode:d;Polarization:Horizontal



Condition: 10m HORIZONTAL

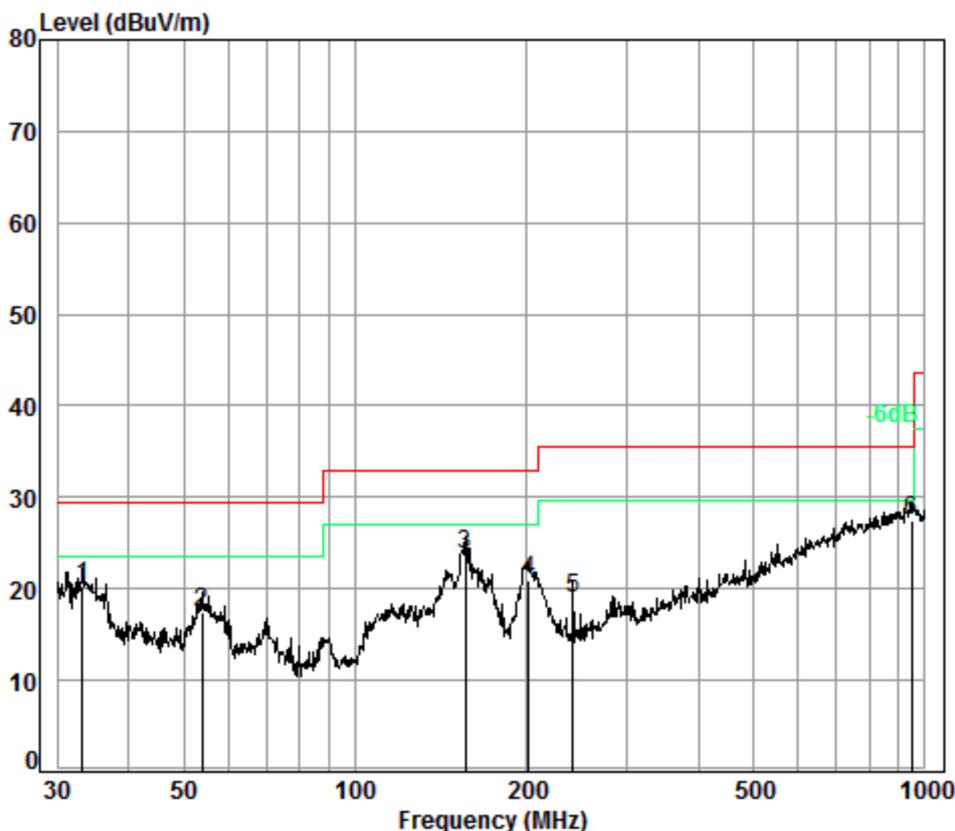
Job No. : 5519RG

Test Mode: d

: P78015G3W10751

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	42.45	6.80	13.11	32.99	27.11	14.03	29.50	-15.47
2	53.69	6.97	12.48	32.98	28.17	14.64	29.50	-14.86
3	88.65	7.19	8.67	32.83	36.30	19.33	33.00	-13.67
4	155.91	7.48	13.40	32.74	32.21	20.35	33.00	-12.65
5	240.83	7.80	11.08	32.65	34.38	20.61	35.60	-14.99
6 pp	942.13	9.56	22.68	32.50	27.54	27.28	35.60	-8.32

Mode:d;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 5519RG

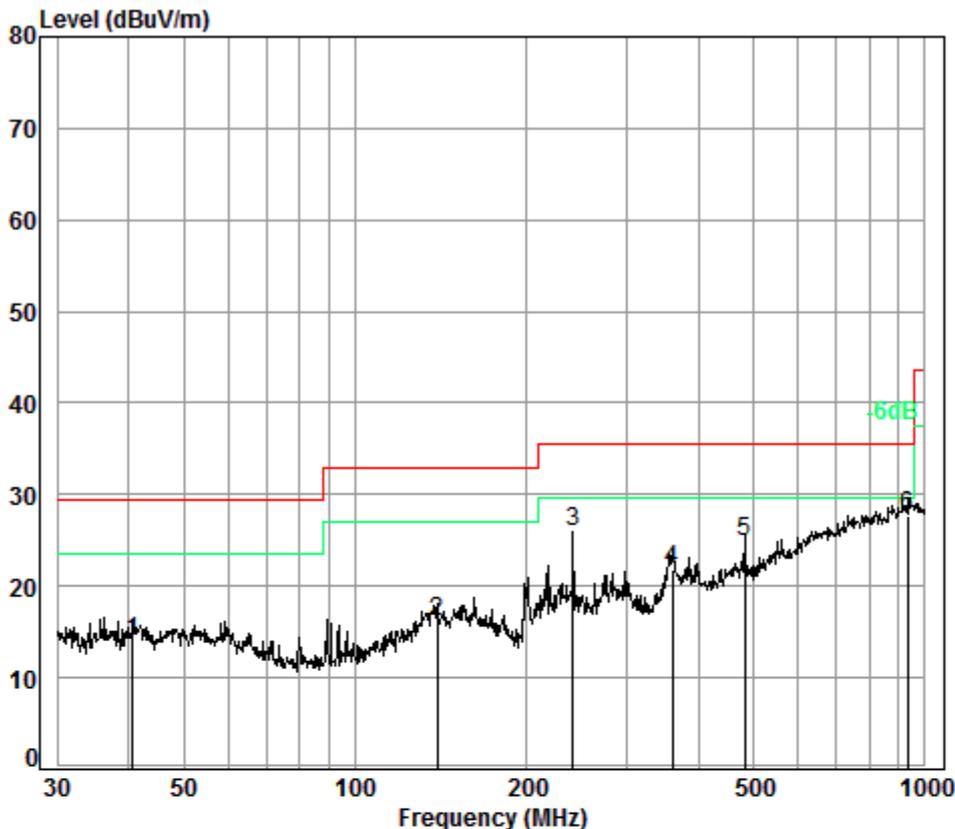
Test Mode: d

: P78015G3W10751

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	33.21	6.70	12.58	32.97	33.87	20.18	29.50	-9.32
2	53.88	6.98	12.46	32.98	31.05	17.51	29.50	-11.99
3	156.46	7.48	13.40	32.74	35.54	23.68	33.00	-9.32
4	201.39	7.61	9.32	32.70	36.68	20.91	33.00	-12.09
5	240.83	7.80	11.08	32.65	32.71	18.94	35.60	-16.66
6 pp	948.76	9.57	22.72	32.50	27.58	27.37	35.60	-8.23

PC mode

Mode:f;Polarization:Horizontal



Condition: 10m HORIZONTAL

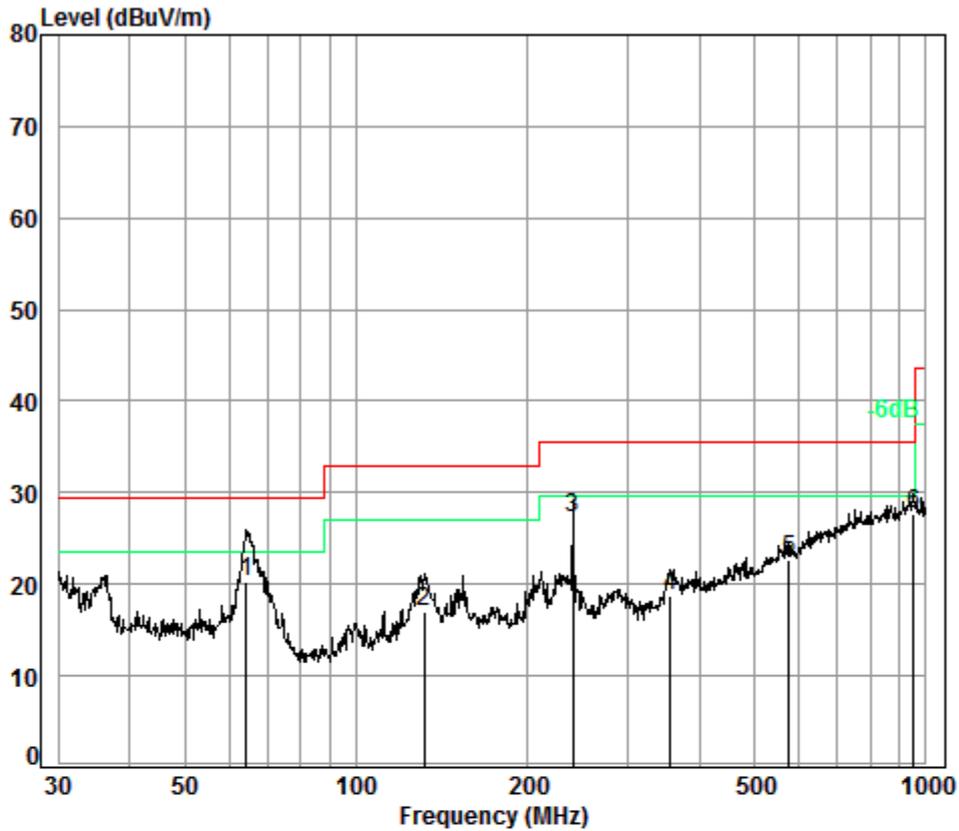
Job No. : 5519RG

Test Mode: f

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	40.70	6.80	13.26	32.99	26.98	14.05	29.50	-15.45
2	139.36	7.40	12.71	32.75	28.72	16.08	33.00	-16.92
3	240.83	7.80	11.08	32.65	39.68	25.91	35.60	-9.69
4	360.45	8.30	14.07	32.60	32.13	21.90	35.60	-13.70
5	482.22	8.51	16.55	32.60	32.31	24.77	35.60	-10.83
6 pp	932.27	9.53	22.61	32.50	28.08	27.72	35.60	-7.88



Mode:f;Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 5519RG

Test Mode: f

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m		
1	qp	64.21	7.00	11.15	32.93	35.10	20.32	29.50	-9.18
2		131.76	7.36	12.16	32.76	30.28	17.04	33.00	-15.96
3		239.99	7.80	11.07	32.66	41.09	27.30	35.60	-8.30
4		355.43	8.28	13.96	32.60	29.02	18.66	35.60	-16.94
5		574.63	8.84	18.17	32.60	28.18	22.59	35.60	-13.01
6	pp	952.09	9.58	22.74	32.50	27.96	27.78	35.60	-7.82



**6.3 Radiated Disturbance(above 1GHz)**

Test Requirement: 47 CFR PART 15,Subpart B:2015  
 Test Method: ANSI C63.4  
 Frequency Range: Above 1GHz  
 Limit:  
 Above 1GHz 74(dBµV/m) peak, 54(dBµV/m) average  
 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

**6.3.1 E.U.T. Operation**

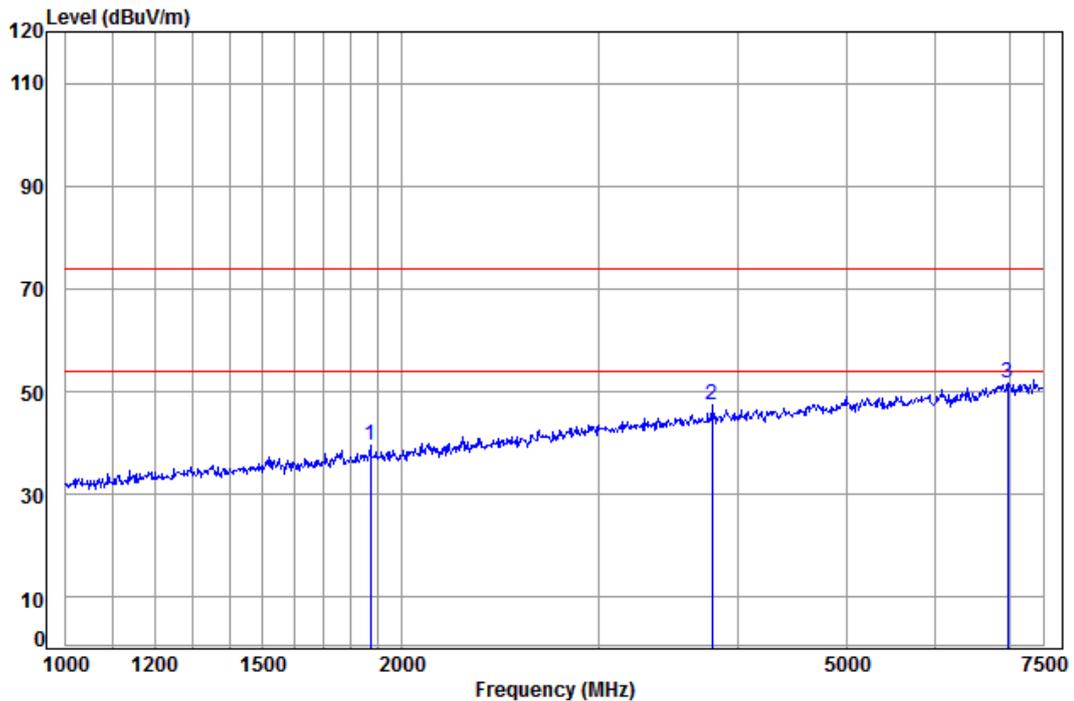
Operating Environment:						
Temperature:	25.0	°C	Humidity:	50	% RH	Atmospheric Pressure: 1010 mbar
Test mode	a: charge + WiFi idle mode + earphone b: charge + Bluetooth Classic idle mode + earphone c: charge + Bluetooth Low Energy idle mode + earphone d: charge + REC mode (Front Camera)/ (Rear Camera) which is worst. e: charge + Playing mode + earphone f: PC mode.					

**6.3.2 Measurement Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



B78004G3203630  
Mode:a;Polarization:Horizontal

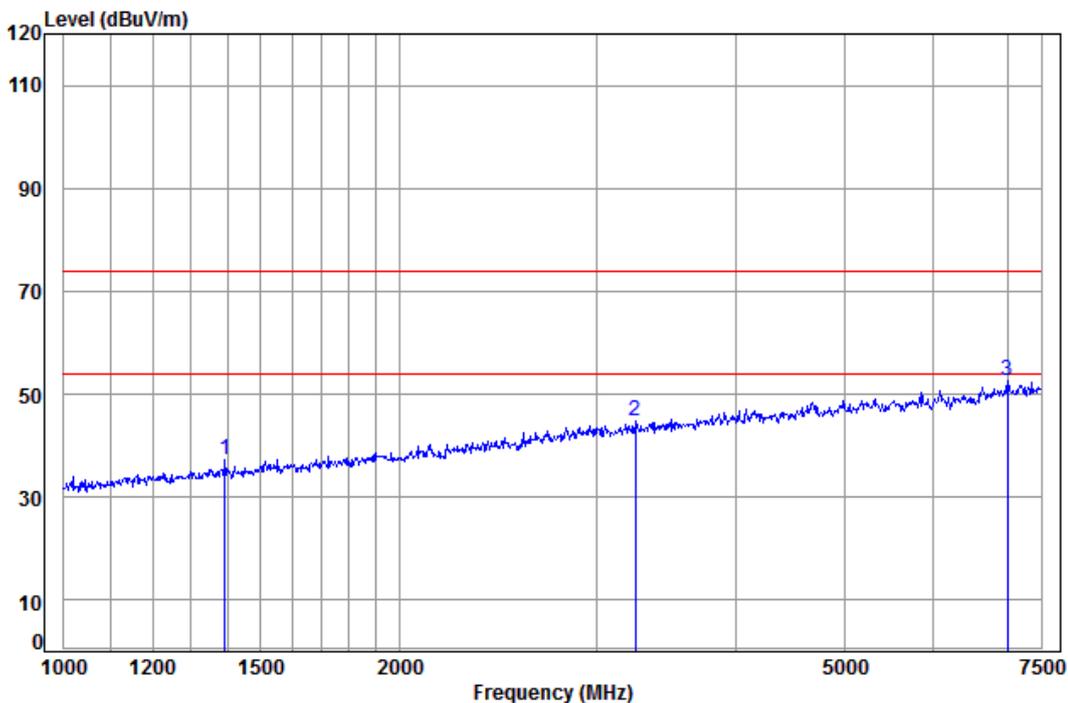


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1875.077	4.89	27.35	38.09	45.30	39.45	74.00	-34.55 Peak
2	3788.048	6.54	33.03	38.61	46.41	47.37	74.00	-26.63 Peak
3 pp	6975.238	9.49	36.43	38.41	44.20	51.71	74.00	-22.29 Peak



Mode:a;Polarization:Vertical



Condition: 3m Vertical

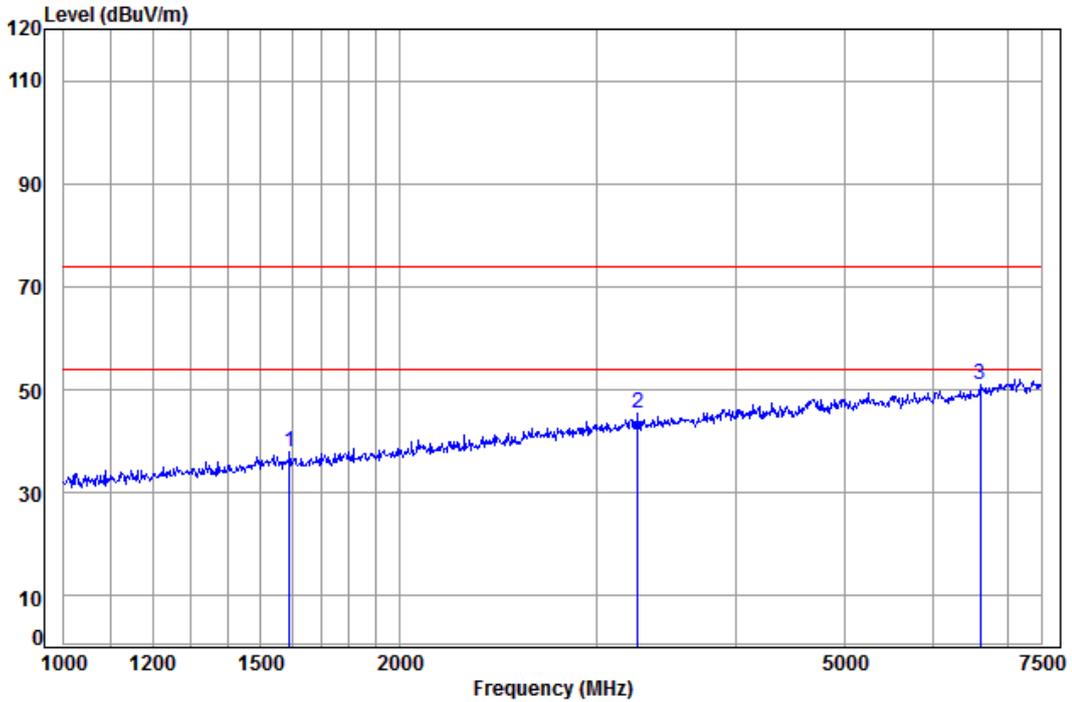
Job No: : 5519RG

Mode: : a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1394.393	4.34	25.37	38.05	45.75	37.41	74.00	-36.59	Peak
2	3250.206	6.12	31.77	38.34	45.34	44.89	74.00	-29.11	Peak
3 pp	7003.404	9.51	36.50	38.40	44.98	52.59	74.00	-21.41	Peak



Mode:b;Polarization:Horizontal



Condition: 3m Horizontal

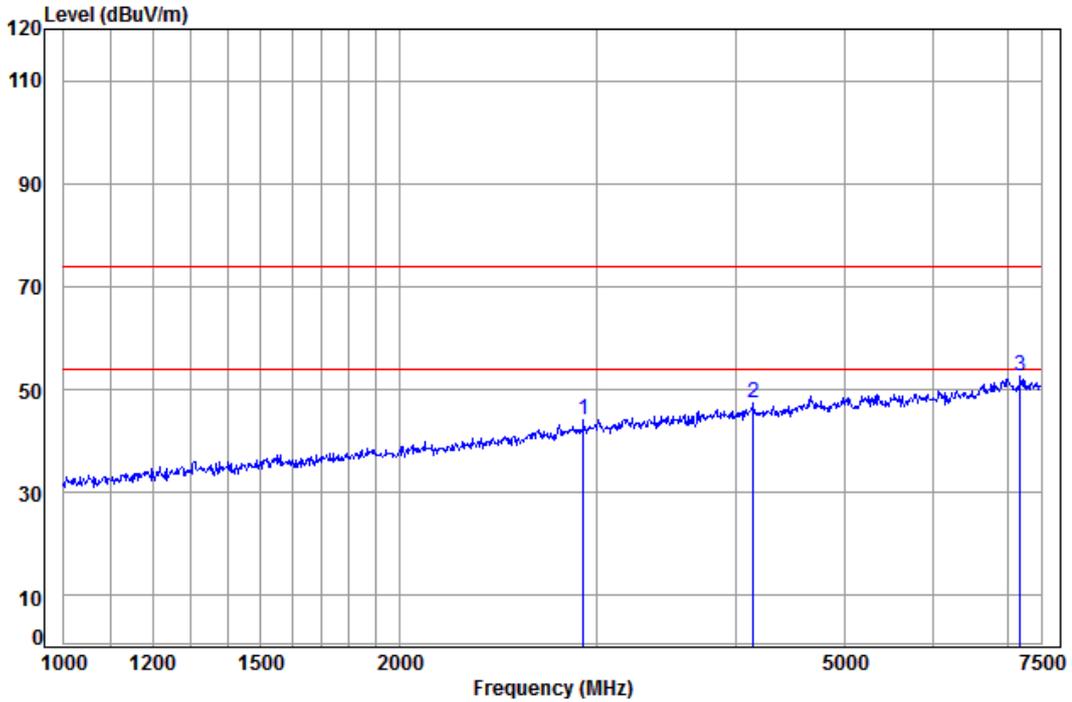
Job No: : 5519RG

Mode: : b

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1592.719	4.58	26.22	38.07	45.08	37.81	74.00	-36.19 Peak
2	3263.330	6.13	31.79	38.35	45.92	45.49	74.00	-28.51 Peak
3	6619.230	9.17	35.44	38.62	44.90	50.89	74.00	-23.11 Peak



Mode:b;Polarization:Vertical

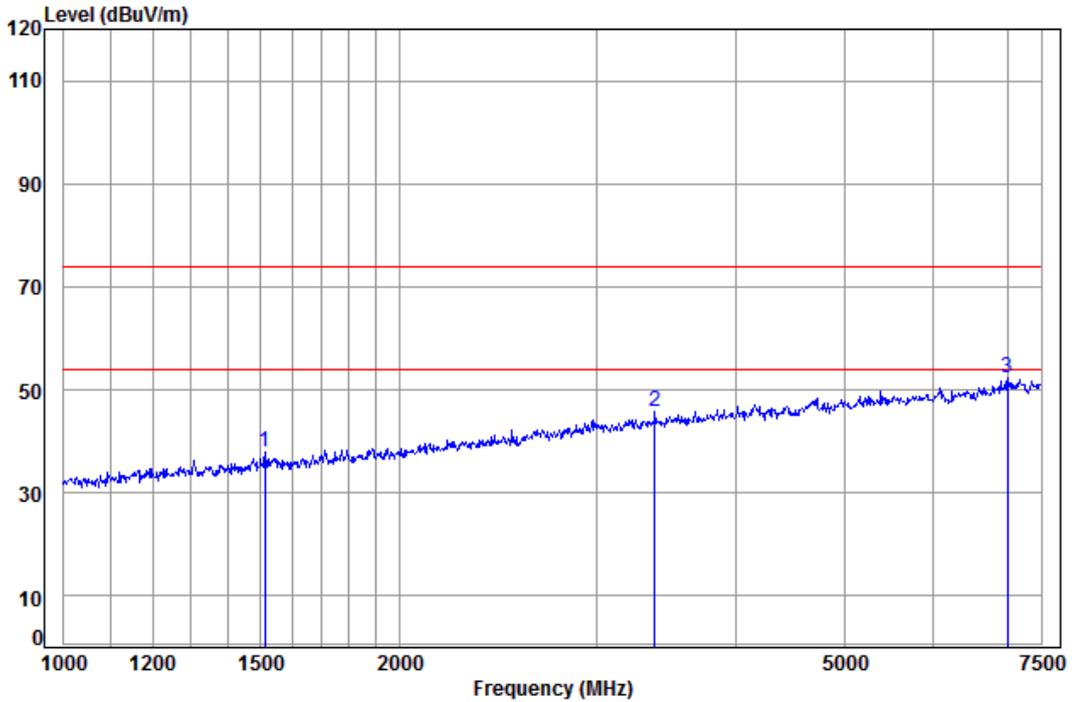


Condition: 3m Vertical  
Job No: : 5519RG  
Mode: : b

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2921.007	5.86	31.02	38.19	45.58	44.27	74.00	-29.73	Peak
2	4147.565	6.88	33.60	38.76	45.62	47.34	74.00	-26.66	Peak
3	7189.273	9.64	36.42	38.20	44.89	52.75	74.00	-21.25	Peak



Mode:c;Polarization:Horizontal

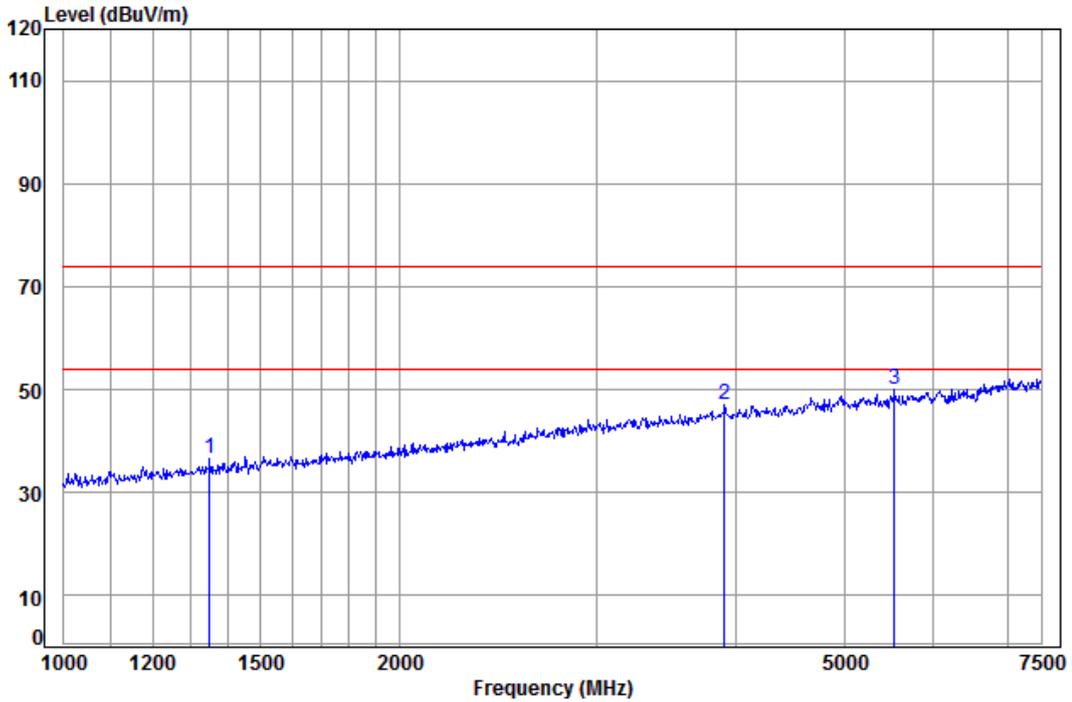


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : c

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1514.477	4.49	25.87	38.06	45.73	38.03	74.00	-35.97 Peak
2	3383.857	6.22	32.00	38.41	45.98	45.79	74.00	-28.21 Peak
3	pp 7003.404	9.51	36.50	38.40	44.66	52.27	74.00	-21.73 Peak



Mode:c;Polarization:Vertical

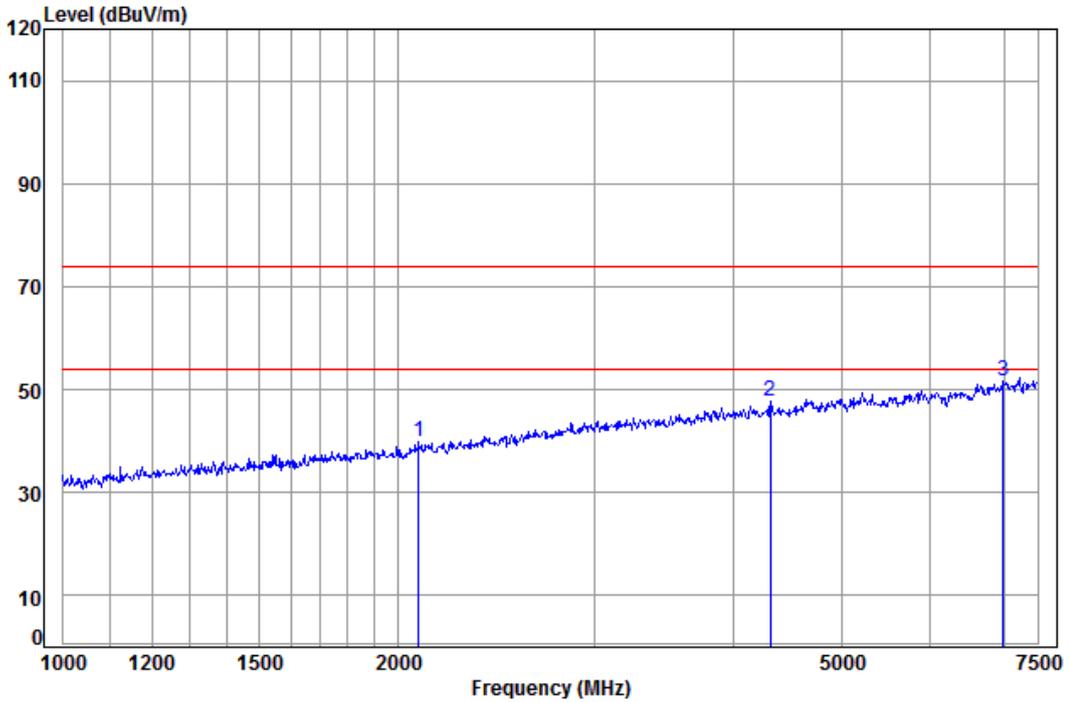


Condition: 3m Vertical  
Job No: : 5519RG  
Mode: : c

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1350.156	4.29	25.18	38.04	45.31	36.74	74.00	-37.26	Peak
2	3904.284	6.63	33.35	38.66	45.66	46.98	74.00	-27.02	Peak
3	5543.730	8.30	34.43	39.04	46.46	50.15	74.00	-23.85	Peak



Mode:d;Polarization:Horizontal

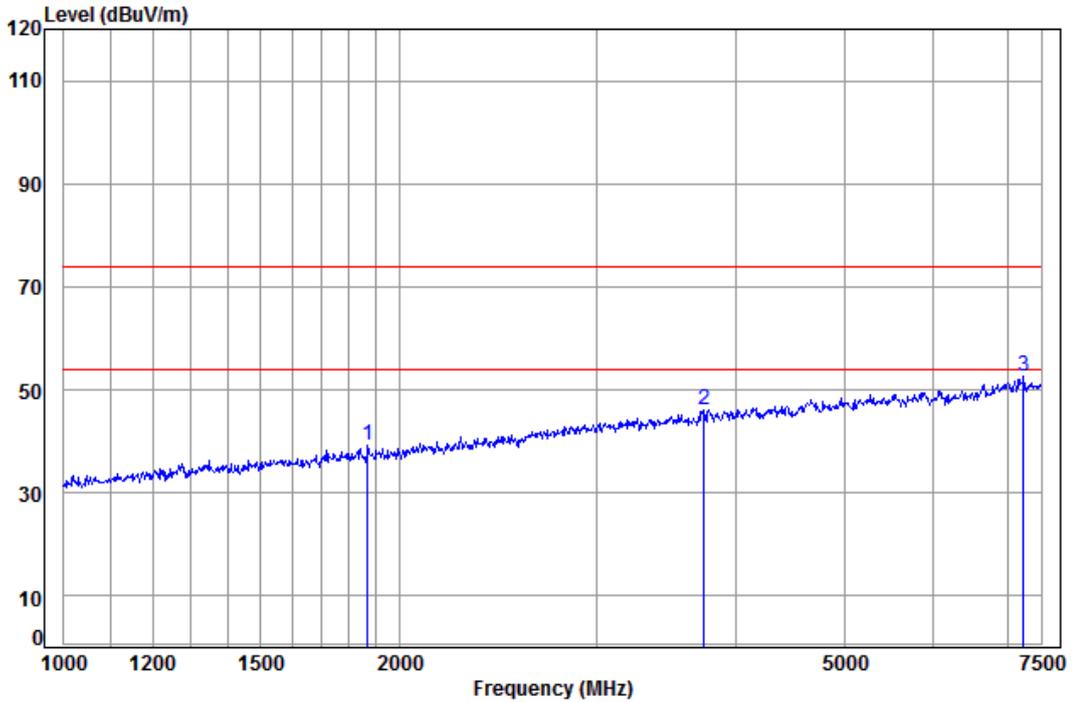


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : d

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2086.399	5.09	28.10	38.11	44.75	39.83	74.00	-34.17	Peak
2	4318.118	7.08	33.60	38.84	45.85	47.69	74.00	-26.31	Peak
3	6989.307	9.50	36.47	38.41	44.20	51.76	74.00	-22.24	Peak



Mode:d;Polarization:Vertical

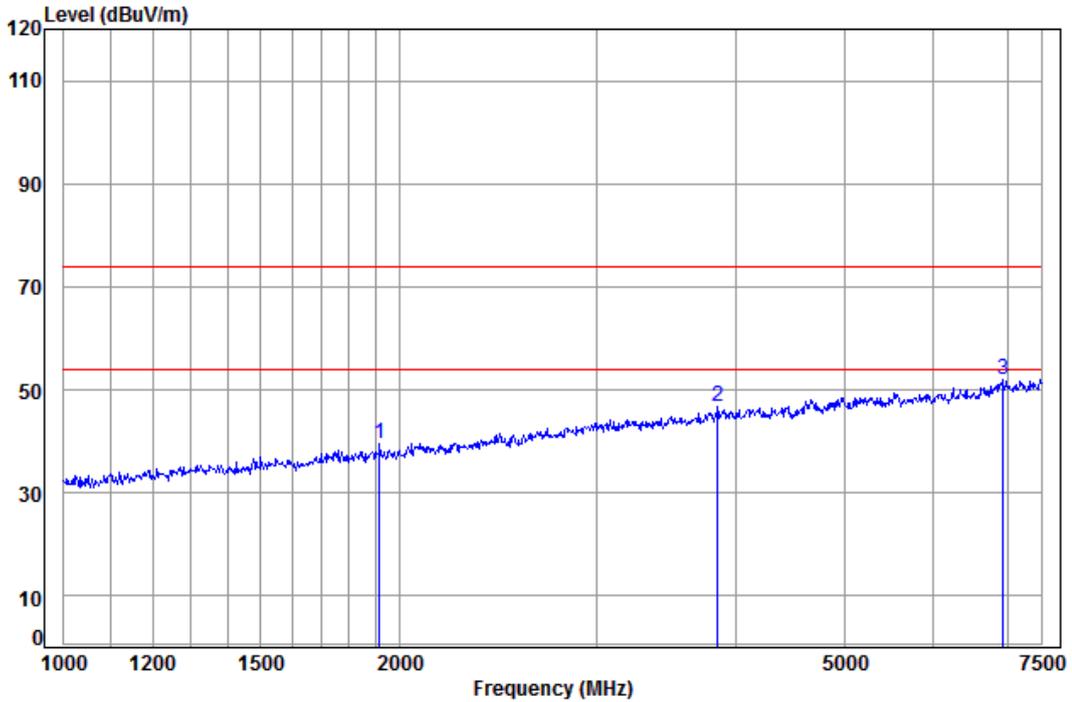


Condition: 3m Vertical  
Job No: : 5519RG  
Mode: : d

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1871.303	4.89	27.34	38.09	45.06	39.20	74.00	-34.80 Peak
2	3742.529	6.50	32.90	38.58	45.21	46.03	74.00	-27.97 Peak
3	7232.862	9.67	36.41	38.15	44.62	52.55	74.00	-21.45 Peak



Mode:e;Polarization:Horizontal

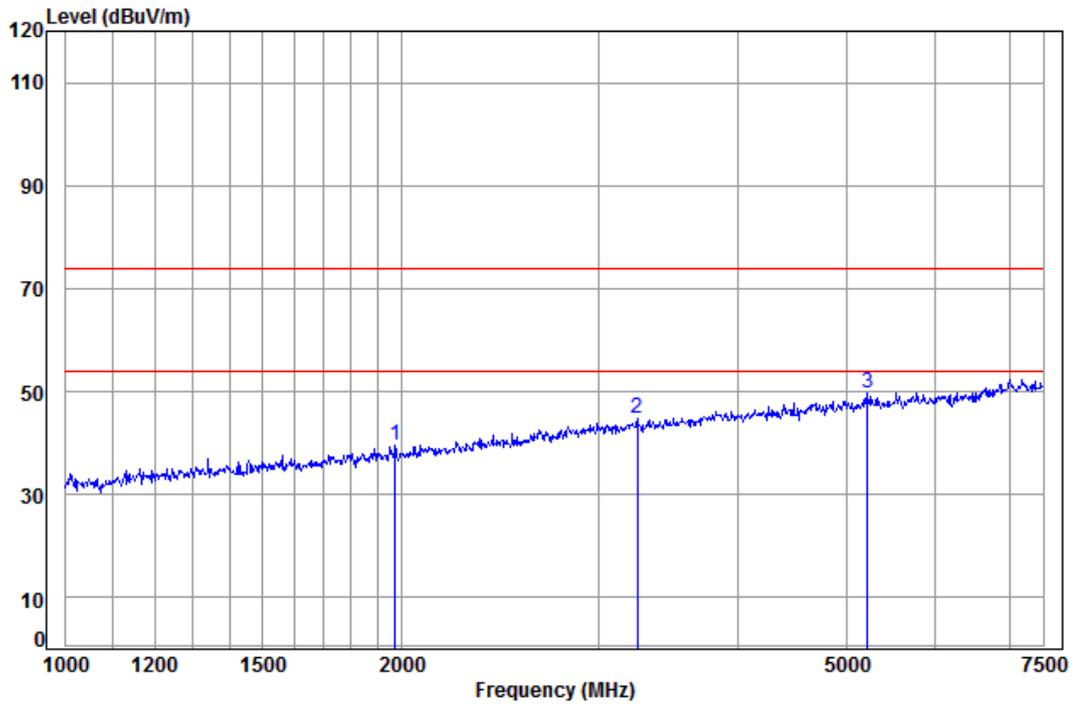


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1917.100	4.93	27.51	38.09	45.24	39.59	74.00	-34.41	Peak
2	3849.603	6.59	33.20	38.63	45.73	46.89	74.00	-27.11	Peak
3	pp 6933.202	9.45	36.32	38.44	44.72	52.05	74.00	-21.95	Peak



Mode:e;Polarization:Vertical



Condition: 3m Vertical

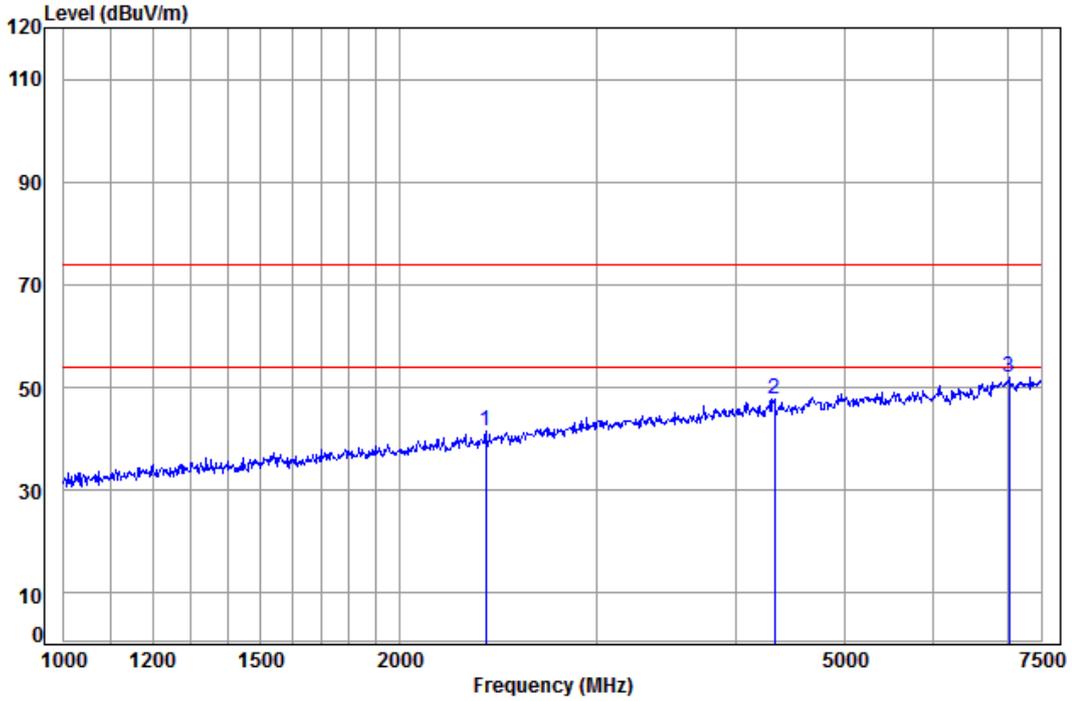
Job No: : 5519RG

Mode: : e

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.98	27.70	38.10	45.12	39.70	74.00	-34.30	Peak
2	6.12	31.77	38.34	45.22	44.77	74.00	-29.23	Peak
3	8.11	34.46	39.08	46.08	49.57	74.00	-24.43	Peak



B78004G3203630 & Battery (HB3080G1EBC)  
Mode:e;Polarization:Horizontal

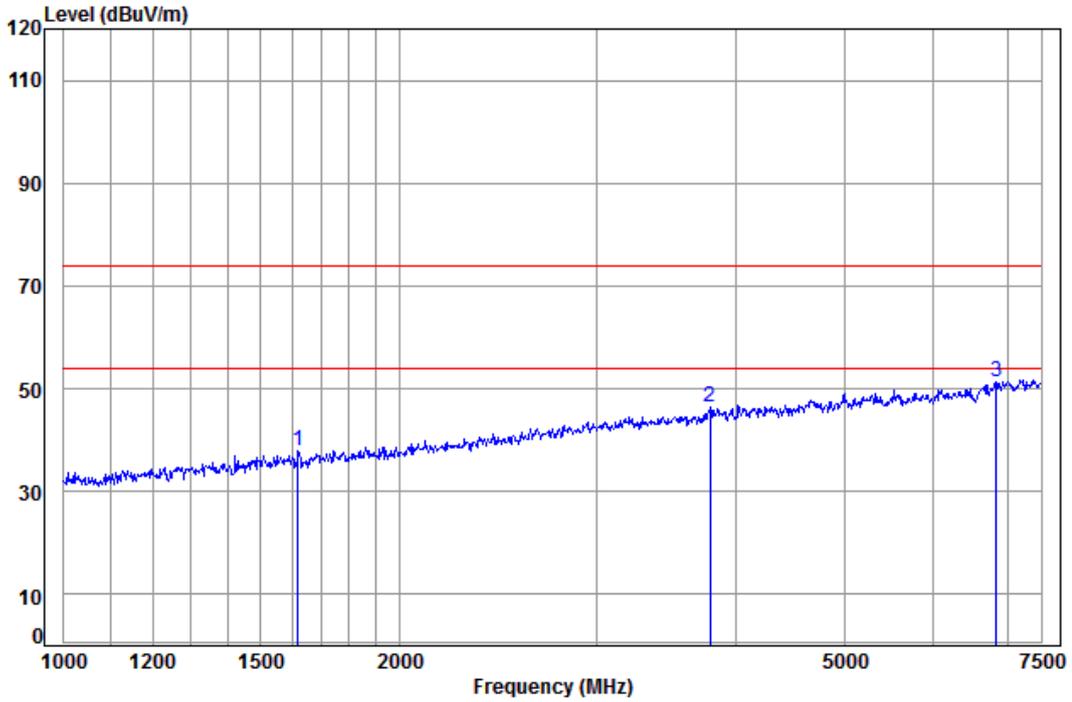


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2387.957	5.34	29.07	38.14	45.41	41.68	74.00	-32.32	Peak
2	4326.827	7.09	33.60	38.84	46.00	47.85	74.00	-26.15	Peak
3	7017.529	9.52	36.49	38.38	44.25	51.88	74.00	-22.12	Peak



Mode:e;Polarization:Vertical



Condition: 3m Vertical

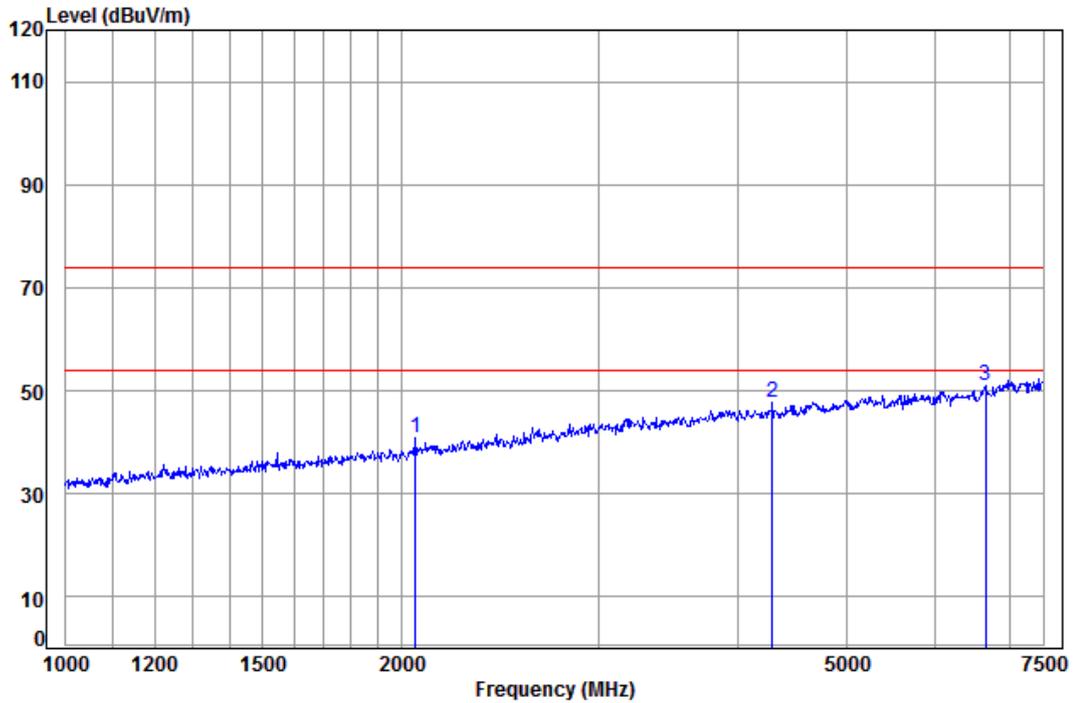
Job No: : 5519RG

Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1621.865	4.62	26.34	38.07	45.02	37.91	74.00	-36.09	Peak
2	3788.048	6.54	33.03	38.61	45.49	46.45	74.00	-27.55	Peak
3 pp	6836.101	9.37	36.05	38.49	44.36	51.29	74.00	-22.71	Peak



H780K1G3X00570  
Mode:e;Polarization:Horizontal

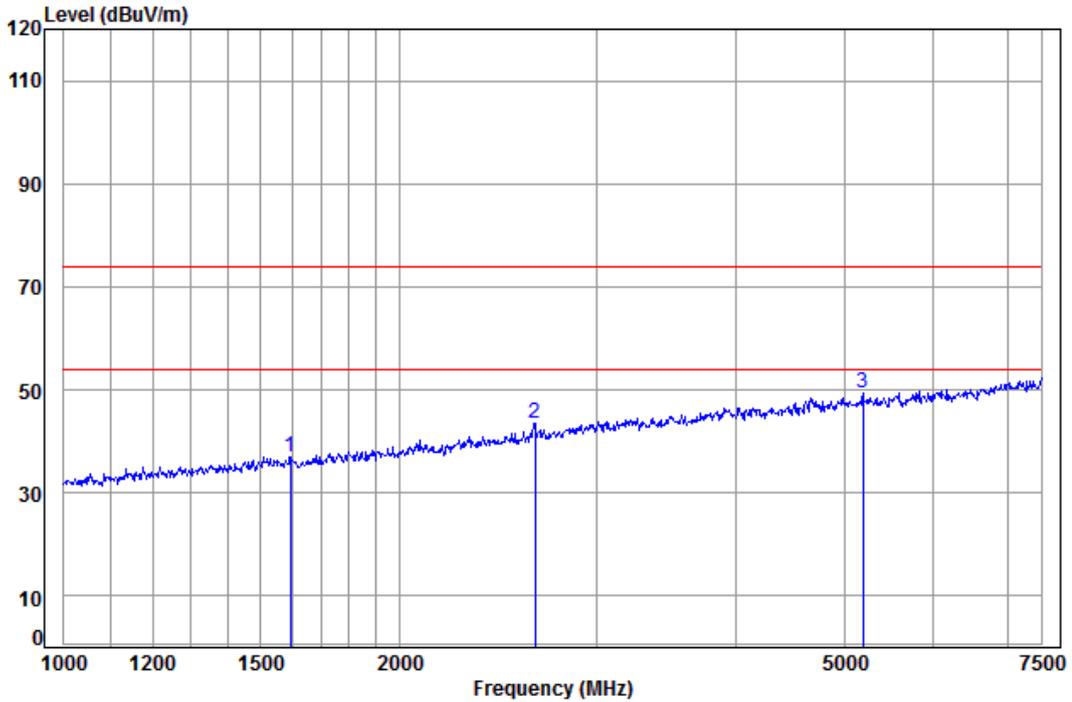


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2057.178	5.06	28.00	38.11	46.05	41.00	74.00	-33.00	Peak
2	4292.095	7.05	33.60	38.83	45.82	47.64	74.00	-26.36	Peak
3 pp	6659.362	9.21	35.56	38.59	44.74	50.92	74.00	-23.08	Peak



Mode:e;Polarization:Vertical



Condition: 3m Vertical

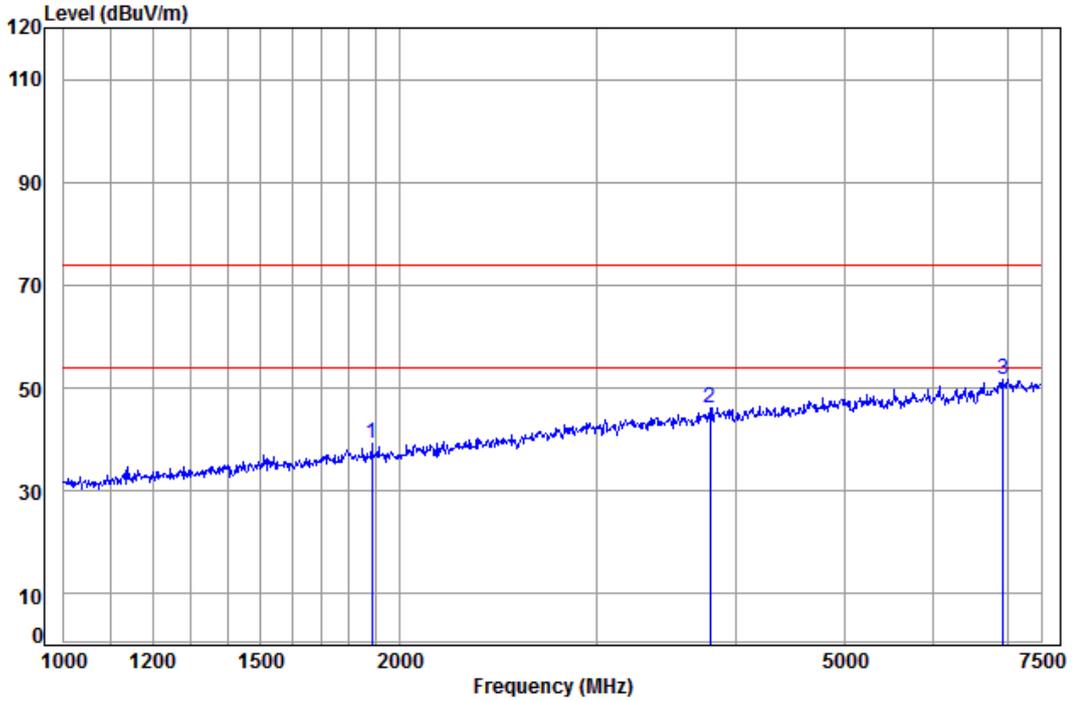
Job No: : 5519RG

Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1595.931	4.59	26.23	38.07	44.19	36.94	74.00	-37.06	Peak
2	2641.068	5.57	29.97	38.17	46.09	43.46	74.00	-30.54	Peak
3	5197.567	8.10	34.46	39.08	45.98	49.46	74.00	-24.54	Peak



P78015G3W10751  
Mode:e;Polarization:Horizontal

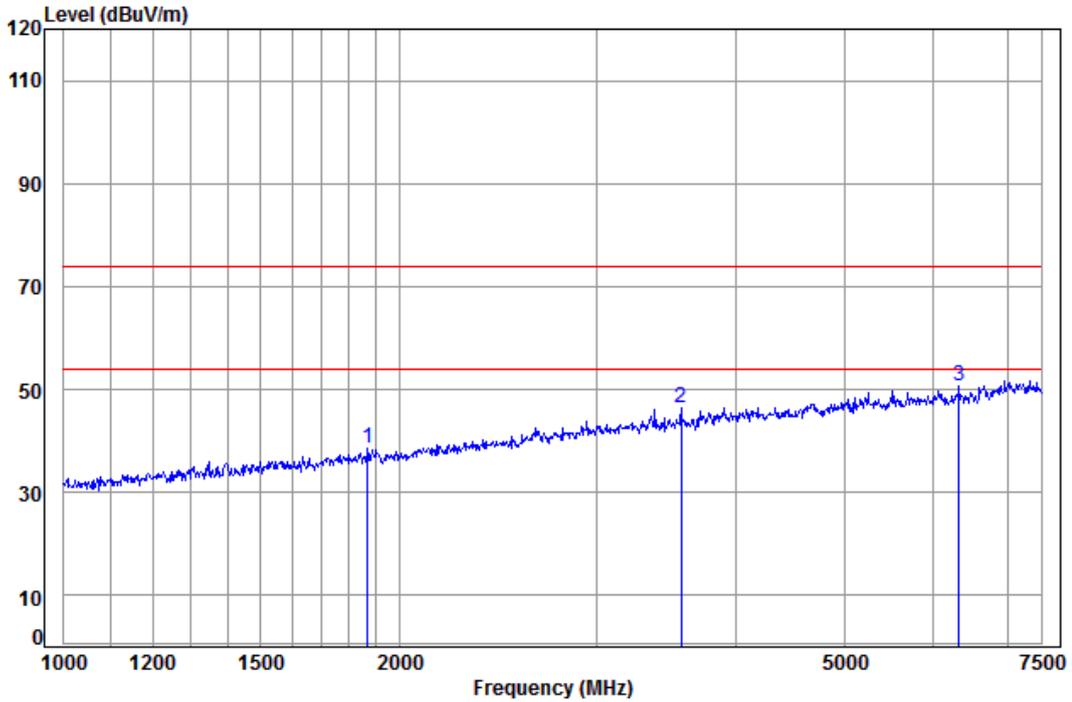


Condition: 3m Horizontal  
Job No: : 5519RG  
Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1886.446	4.90	27.39	38.09	45.00	39.20	74.00	-34.80 Peak
2	3788.048	6.54	33.03	38.61	45.11	46.07	74.00	-27.93 Peak
3 pp	6933.202	9.45	36.32	38.44	44.47	51.80	74.00	-22.20 Peak



Mode:e;Polarization:Vertical

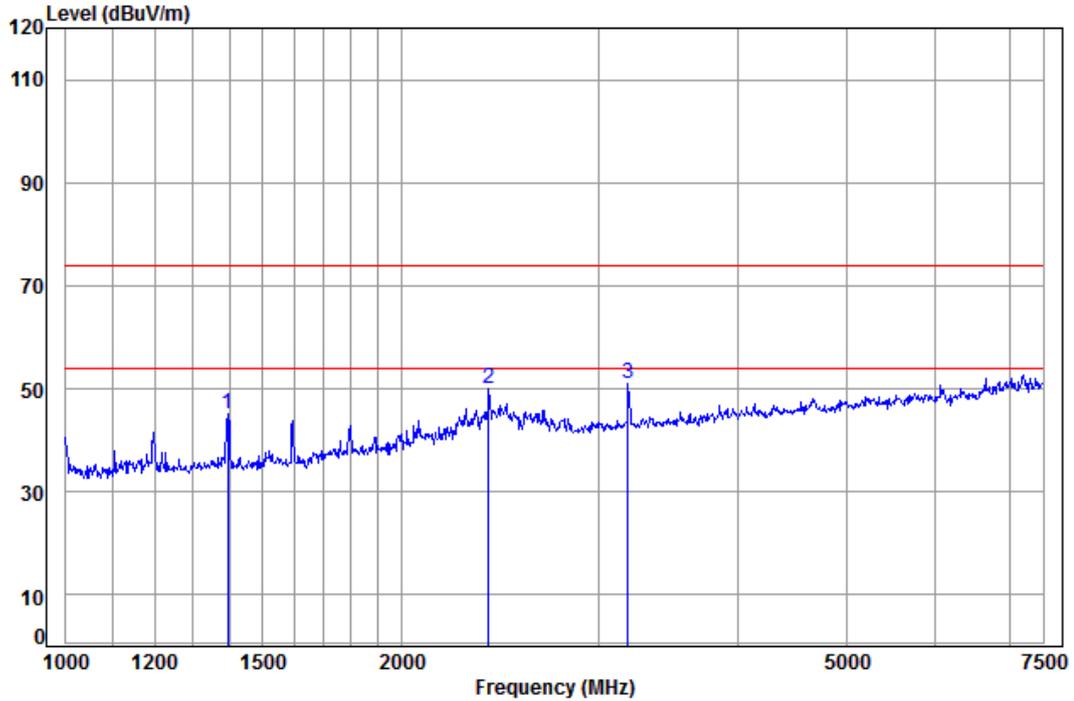


Condition: 3m Vertical  
Job No: : 5519RG  
Mode: : e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1871.303	4.89	27.34	38.09	44.41	38.55	74.00	-35.45 Peak
2	3573.047	6.36	32.42	38.50	46.17	46.45	74.00	-27.55 Peak
3	6332.222	8.96	34.97	38.79	45.60	50.74	74.00	-23.26 Peak



PC mode  
Mode:f;Polarization:Horizontal



Condition: 3m Horizontal

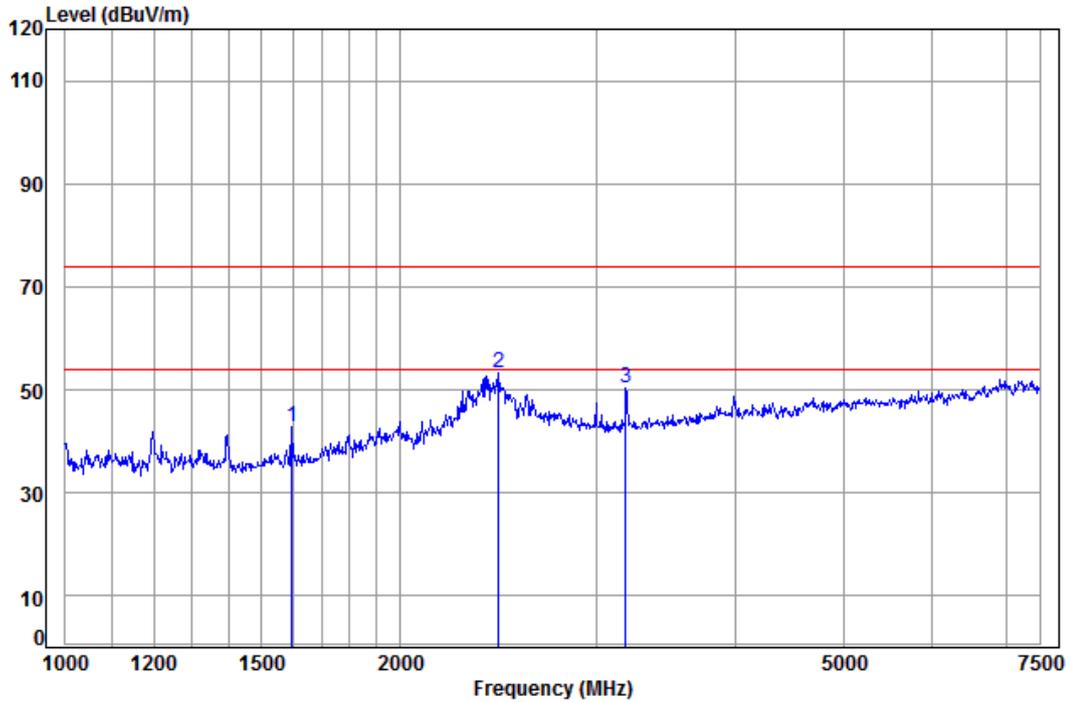
Job No: : 5519RG

Mode: : f

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1397.205	4.35	25.38	38.05	53.51	45.19	74.00	-28.81	Peak
2	2392.773	5.34	29.09	38.14	53.65	49.94	74.00	-24.06	Peak
3	pp 3185.373	6.07	31.65	38.30	51.60	51.02	74.00	-22.98	Peak



Mode:f;Polarization:Vertical



Condition: 3m Vertical

Job No: : 5519RG

Mode: : f

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1599.150	4.59	26.24	38.07	49.94	42.70	74.00	-31.30	Peak
2	pp 2451.333	5.38	29.26	38.15	56.77	53.26	74.00	-20.74	Peak
3	3185.373	6.07	31.65	38.30	51.03	50.45	74.00	-23.55	Peak



## **7 Photographs - EUT Test Setup**

Refer to Appendix A - Photographs of EUT Setup for SZEM1607005519RG.