FCC TEST REPORT

For

Mobile Phone

Model Number: 7071A

FCC ID: 2ACCJBT06

Report Number : WT178004539

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection National Digital Electronic Product Testing Center
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TEST REPORT DECLARATION

Applicant	:	TCL Communication Ltd
Address	:	5F, C-Tower, No.232, Liangjing Road, Zhangjiang High-tech Park, Pudong,Shanghai,China
Manufacturer	:	TCL Communication Ltd
Address	:	5F, C-Tower, No.232, Liangjing Road, Zhangjiang High-tech Park, Pudong,Shanghai,China
EUT Description	:	Mobile Phone
Model No	:	7071A
Trade mark	:	alcatel
Serial Number	:	/
FCC ID	:	2ACCJBT06

Test Standards:

FCC Part 15 15.207, 15.209, 15.407(2016)

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 15.207, 15.209 and 15.407.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:	陈司林	Date:	Aug.28, 2017
	(Chen Silin 陈司林)		
Checked by:	林奕翔	Date:	Aug.28, 2017
	(Lin Yixiang 林奕翔)		
Approved by:	林斌	Date:	Aug.28, 2017
	(Lin Bin 林斌)		

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1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB Bandwidth	FCC §15.407 (e)	Pass
26dB Bandwidth	FCC §15.407 (a)	Pass
Maximum Peak Conducted Power	FCC §15.407 (a)	Pass
Maximum Power Spectral Density Level	FCC §15.407 (a)	Pass
Radiated Bandedge and Spurious	15.407 (b) 15.209 15.205	Pass
Conducted emission test for AC power port	15.207	Pass
Frequency Stability	15.407(g)	Pass
Antenna Requirment	15.203	Pass

Remark: “N/A” means “Not applicable.”

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at Bldg. of Metrology & Quality Inspection, Longzhu Road, Nanshan District, Shenzhen, Guangdong, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 582918.

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 11177A-1 11177A-2.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is E2024086Z02.

2.3. Measurement Uncertainty

Conducted Emission
9kHz~30MHz 3.5dB

Radiated Emission
30MHz~1000MHz 4.5dB
1GHz~26.5GHz 4.6dB

3. PRODUCT DESCRIPTION

3.1.EUT Description

Description	:	Mobile Phone
Manufacturer	:	TCL Communication Ltd
Model Number	:	7071A
Operate Frequency	:	U-NII 1(5150~5250MHz) U-NII 2A(5250~5350MHz) U-NII 3(5725~5850MHz)
Antenna Designation	:	Dipole Antenna 2.7dBi

Remark: 1.The modes of adaptor QC11US (1#)、QC11RU (4#)、QC11EU (5#)、QC11ART (6#)、 QC11UK(7#) are identical in circuit design and PCB layout, the only difference is the plug type. The modes of adaptor QC11US (2#)、QC11EU(8#)、QC11UK (9#)are identical in circuit design and PCB layout, the only difference is the plug type. EMC tests were performed on the type QC11US (1#) and QC11US (2#).

2. Two models of batteries provided, TLp038B1 and TLp038B7 respectively, Full tests were performed on model TLp038B1, and the worst case results are recorded in this report.
3. Two models of Earphones provided, 1# (Superb) and 2# (JUWEI) respectively, Full tests were performed on model 1# (Superb), and the worst case results are recorded in this report.
4. Two models of USB provided, 1# (PUAN) and 2# (JUWEI) respectively, Full tests were performed on model 1# (PUAN), and the worst case results are recorded in this report.

Table 2 Working Frequency List U-NII 1 (802.11a, 802.11n HT20)

Channel	Frequency	Channel	Frequency
36	5180MHz	44	5220MHz
40	5200MHz	48	5240MHz

Table 3 Working Frequency List U-NII 1,(802.11n HT40)

Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz

Table 4 Working Frequency List U-NII 2A (802.11a, 802.11n HT20)

Channel	Frequency	Channel	Frequency
52	5260MHz	60	5300MHz
56	5280MHz	64	5320MHz

Table 5 Working Frequency List U-NII 2A (802.11a, 802.11n HT20)

Channel	Frequency	Channel	Frequency
54	5280MHz	62	5310MHz

Table 6 Working Frequency List U-NII 3 (802.11a, 802.11n HT20)

Channel	Frequency	Channel	Frequency
149	5745MHz	161	5805MHz
153	5765MHz	165	5825MHz
157	5785MHz	---	---

Table 7 Working Frequency List U-NII 3,(802.11n HT40)

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2ACCJBT06** filing to comply with Section 15.207，15.209，15.407 of the FCC Part 15, Subpart E .

3.3. Block Diagram of EUT Configuration

Figure 1 EUT setup

3.4. Operating Condition of EUT

The Radiated spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (X plane).
Worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was the mode and channel with the highest output power.
Worst-case data rates as provided by the client were:
802.11a mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11n HT40 mode: MCS0
802.11a operates in SISO mode. For SISO conducted
measurements, the modes tested in this report will be considered as a worst case mode.
802.11n operate in SISO mode. For SISO conducted

measurements, the modes tested in this report will be considered as a worst case mode.
802.11ac operate in SISO mode. For SISO conducted
measurements, the modes tested in this report will be considered as a worst case mode.

3.5. Directional Antenna Gain

The EUT does NOT support a WIFI MIMO function.
Directional gain need NOT to be considered.

3.6. Support Equipment List

Table 8 Support Equipment List

Name	Model No	S/N	Manufacturer
Adaptor 1# for EUT	QC11US	--	Ten Pao Industrial Co.,Ltd.
Adaptor 2# for EUT	QC11US	--	Huizhou BYD Electronic Co.,Ltd.
Adaptor 3# for EUT	UC13EU	--	Huizhou BYD Electronic Co.,Ltd.
Adaptor 4# for EUT	QC11RU	--	Ten Pao Industrial Co.
Adaptor 5# for EUT	QC11EU	--	Ten Pao Industrial Co.
Adaptor 6# for EUT	QC11ART	--	Ten Pao Industrial Co.
Adaptor 7# for EUT	QC11UK	--	Ten Pao Industrial Co.
Adaptor 8# for EUT	QC11EU	--	Huizhou BYD Electronic Co.,Ltd.
Adaptor 9# for EUT	QC11UK	--	Huizhou BYD Electronic Co.,Ltd.
USB 1# for EUT	--	--	PUAN
USB 2# for EUT	--	--	JUWEI
Battery 1# for EUT	TLp038B1	--	Shenzhen BYD Lithium Battery Company Limited
Battery 2# for EUT	TLp038B7	--	Ningbo Veken Battery Co.,Ltd.
Earphone 1# for EUT	--	--	Dong Guan Superb electronic Co.,Ltd.
Earphone 2# for EUT	--	--	HUIZHOU JUWEI ELECTRONICS CO.,LTD

3.7. Test Conditions

Date of test：Aug.01,2017- Aug.25, 2017
Date of EUT Receive：Aug.01,2017
Temperature: -30-50 ℃
Relative Humidity:48-56%

3.8. Special Accessories

Not available for this EUT intended for grant.

3.9. Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Table 9 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB3319	EMI Test Receiver	Rohde & Schwarz	ESCS30	Nov.29, 2016	1 Year
SB4357	AMN	Rohde & Schwarz	ESH2-Z5	Sep.29, 2016	1 Year
SB3436	EMI Test Receiver	Rohde & Schwarz	ESI26	Nov.29, 2016	1 Year
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Mar.21, 2017	1 Year
SB8501/04	Bilog Antenna	Schwarzbeck	VULB9163	Mar.21, 2017	1 Year
SB3955	Bilog Antenna	Schwarzbeck	VULB9163	Mar.22 ,2017	1 Year
SB3435	Horn Antenna	Rohde & Schwarz	HF906	Jan.03, 2017	1 Year
SB8501/01	Horn Antenna	Rohde & Schwarz	HF907	Mar.22, 2017	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	Mar.1,2017	1 Year
SB8501/12	Horn Antenna	ETS-Lindgren	3160-10	Mar.1,2017	1 Year
SB3345	Loop Antenna	Schwarzbeck	FMZB1516	Mar.22, 2017	2 Years
SB8501/14	Preamplifier	Rohde & Schwarz	SCU-03	Mar.19, 2017	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Mar.06, 2017	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Mar.06, 2017	1 Year
SB12827/01	Power Sensor	Rohde & Schwarz	NRP-Z22	Jun.19, 2017	1 Year
SB11873/01	Power Sensor	Rohde & Schwarz	OSP120+OSP-B157	Mar.13, 2017	1 Year
--	Test Software	Rohde & Schwarz	Power Viewer Plus	--	--
SB9721/02	Signal Analyzer	Agilent	N9020A	Dec.05,2016	1 Year
SB11818	Temperature&Humidity Test chamber	Espec	EH-010U	Mar.24, 2017	1 Year

5. DUTY CYCLE

5.1. LIMITS OF DUTY CYCLE

None; for reporting purposes only

5.2. TEST PROCEDURE

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

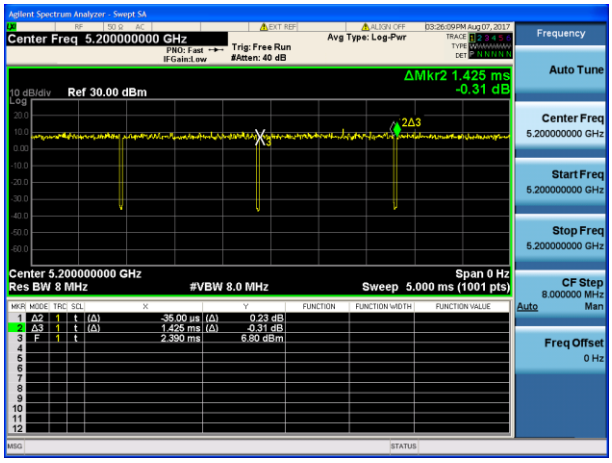
5.3. TEST SETUP

5.4. TEST DATA

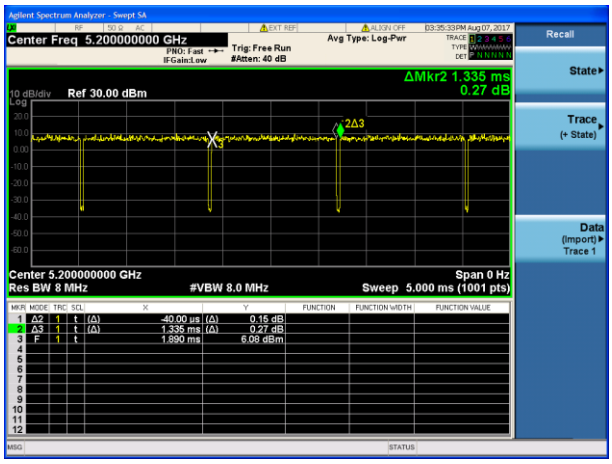
Table 10 Duty Cycle Test Data

Mode	On Time (ms)	Duty Cycle(%)	Duty Factor	1/T Minimum VBW (kHz)
802.11a	1.39	97.5%	0.11	1
802.11n HT20	1.295	97.0%	0.13	1
802.11n HT40	0.649	94.8%	0.23	1.5

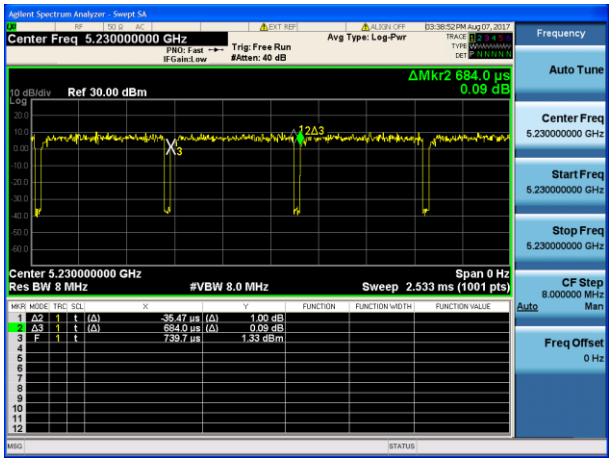
802.11a



802.11n HT20



802.11n HT40



6. 6DB BANDWIDTH MEASUREMENT

6.1. LIMITS OF 6dB BANDWIDTH MEASUREMENT

The minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725-5.85 GHz.

6.2. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.
a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ≥ 3 x RBW.

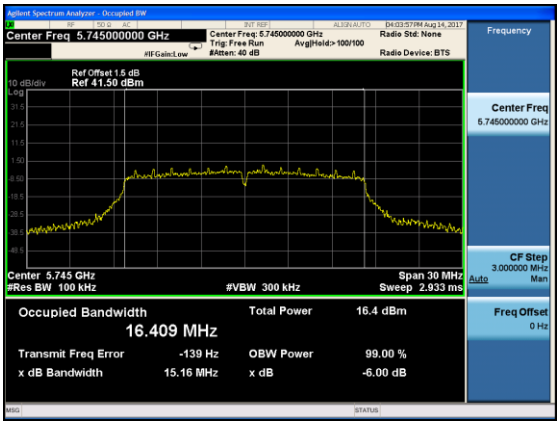
c)Detector = Peak.
d)Trace mode = max hold.
e)Sweep = auto couple.
f)Allow the trace to stabilize.
g)Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

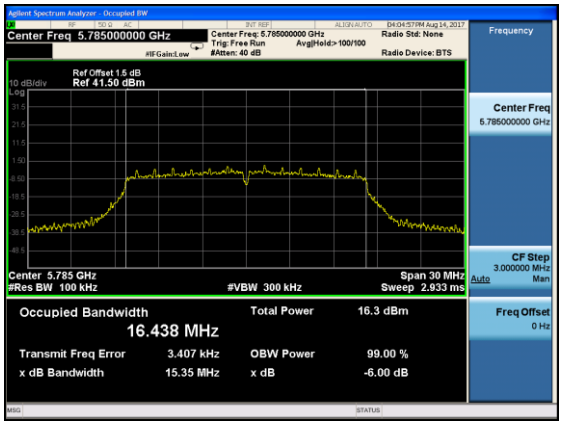
6.3. TEST SETUP

Test Data

Table 11 6dB Bandwidth Test Data 802.11a

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
5745	15.16	Pass
5785	15.35	Pass
5825	15.15	Pass





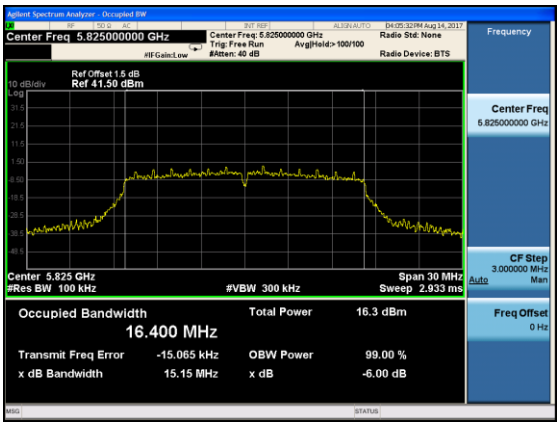
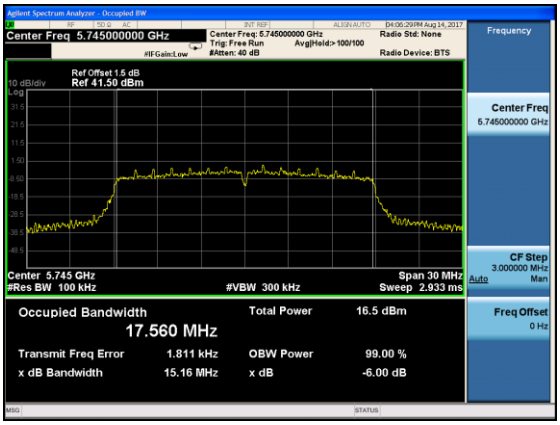
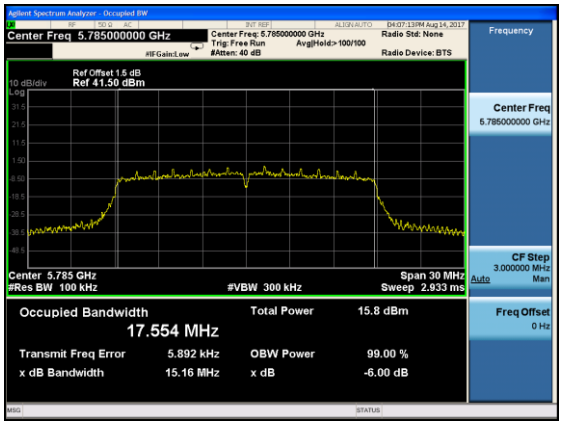


Table 12 6dB Bandwidth Test Data 802.11n HT20

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
5745	15.16	Pass
5785	15.16	Pass
5825	15.96	Pass





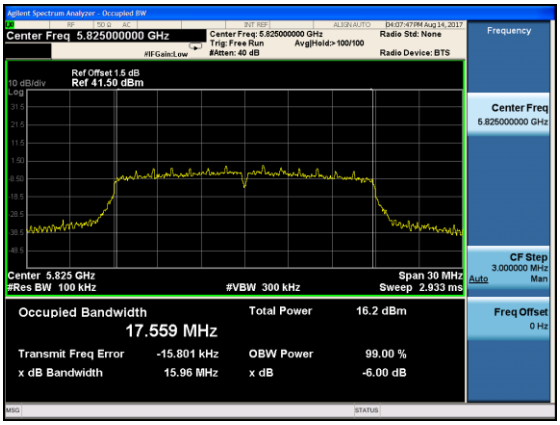
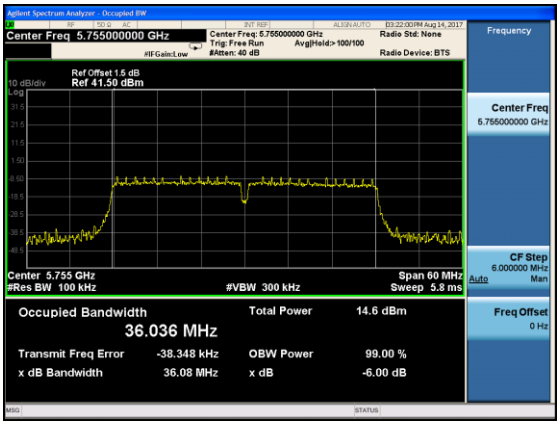
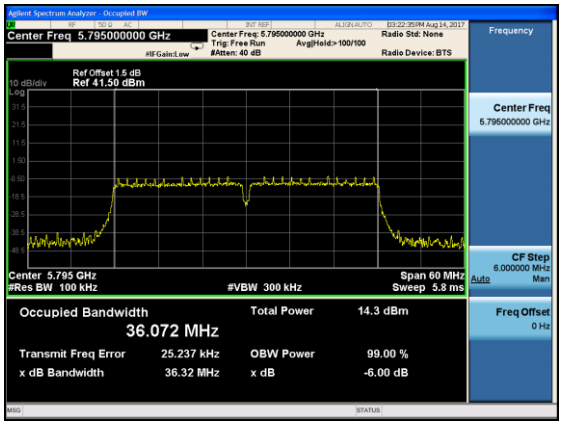


Table 13 6dB Bandwidth Test Data 802.11n HT40

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
5755	36.08	Pass
5795	36.32	Pass





7. 26DB BANDWIDTH MEASUREMENT

7.1. LIMITS OF 26dB BANDWIDTH MEASUREMENT

None; for reporting purposes only..

7.2. TEST PROCEDURE

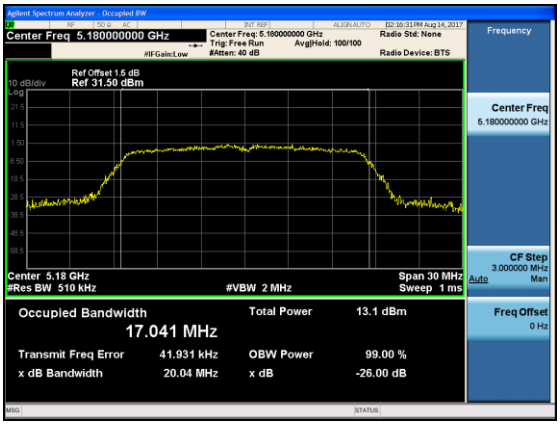
a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the
emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat
measurement as needed until the RBW/EBW ratio is approximately 1%.

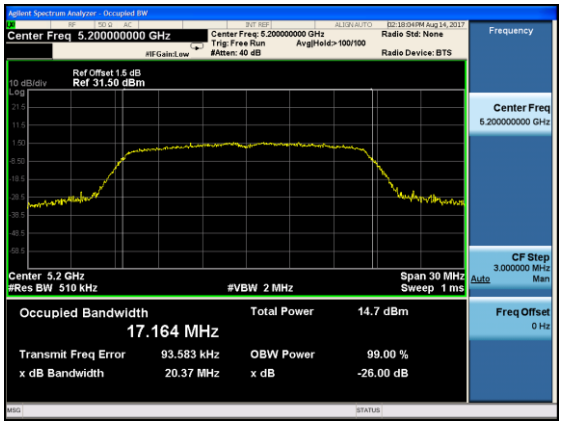
7.3. TEST SETUP

7.4. Test Data

Table 14 26dB Bandwidth Test Data 5150~5250 MHz 802.11a

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5180	20.40	Pass
5200	20.37	Pass
5240	19.93	Pass





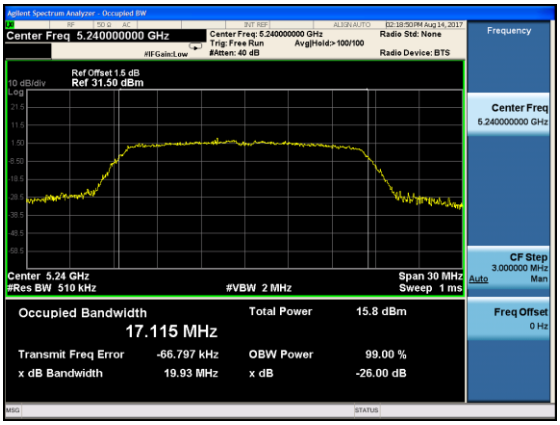
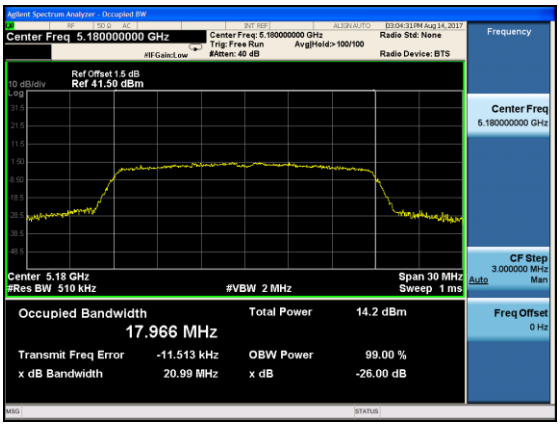
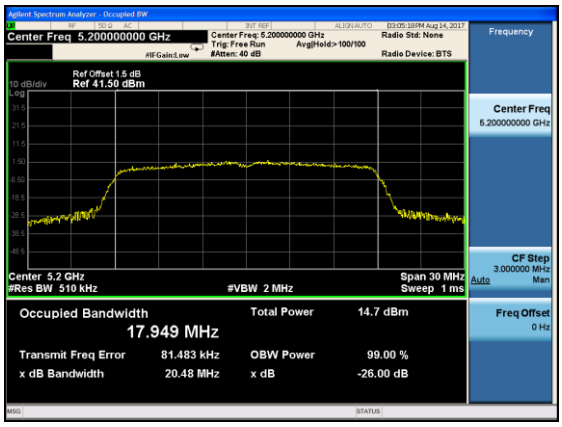


Table 15 26dB Bandwidth Test Data 5150~5250 MHz 802.11n HT20

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5180	20.99	Pass
5200	20.48	Pass
5240	20.65	Pass





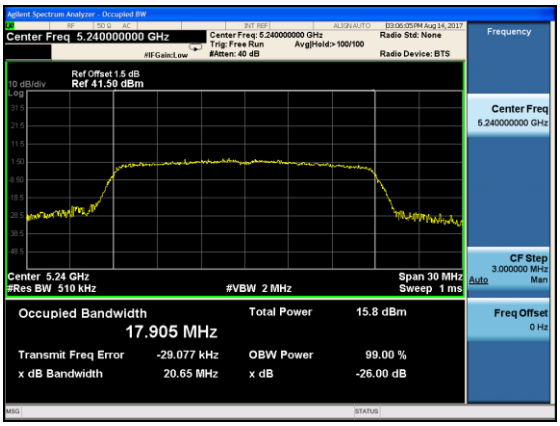
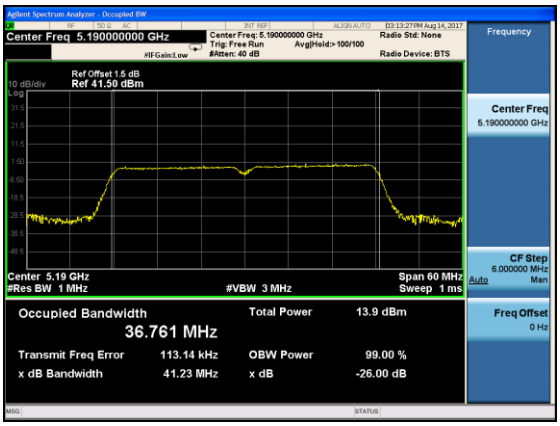


Table 16 26dB Bandwidth 5150~5250 MHz 802.11n HT40

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5190	41.23	Pass
5230	40.85	Pass



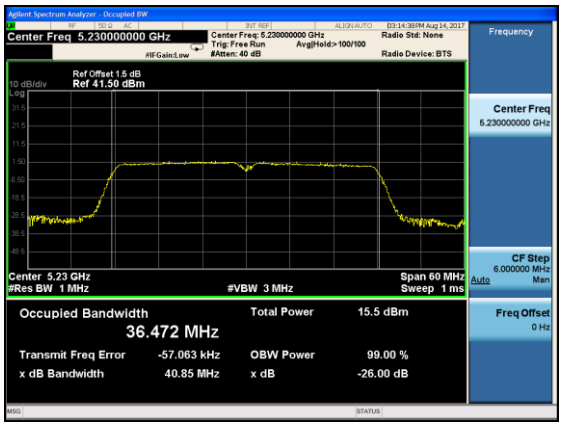
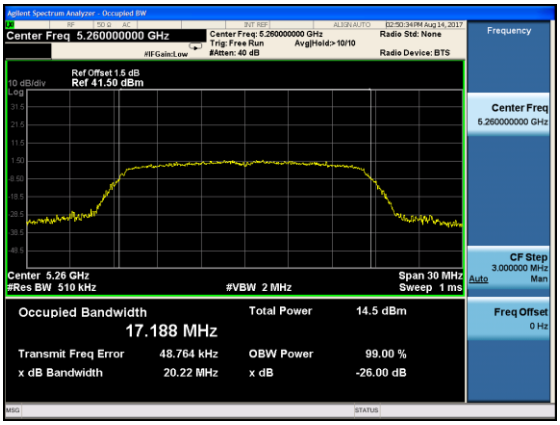
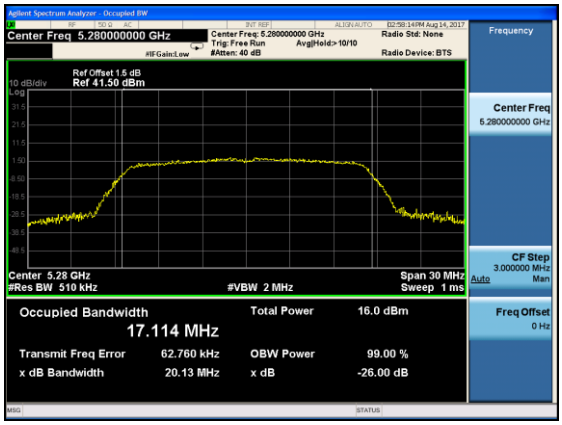


Table 17 26dB Bandwidth Test Data 5250~5350 MHz 802.11a

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5260	20.22	Pass
5280	20.13	Pass
5320	20.03	Pass





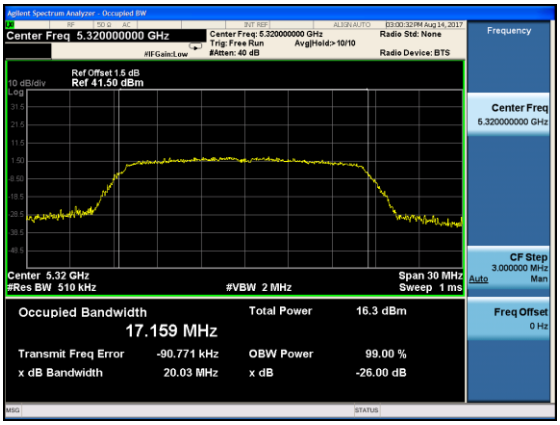
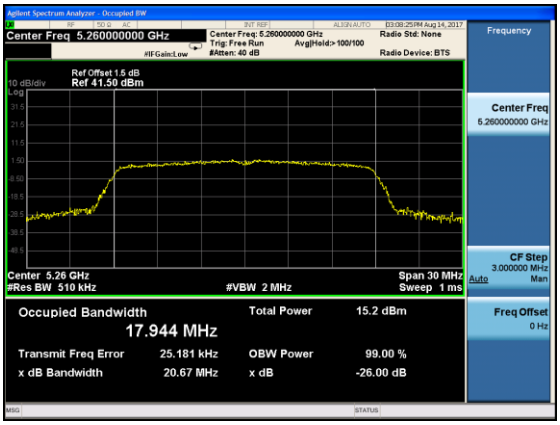
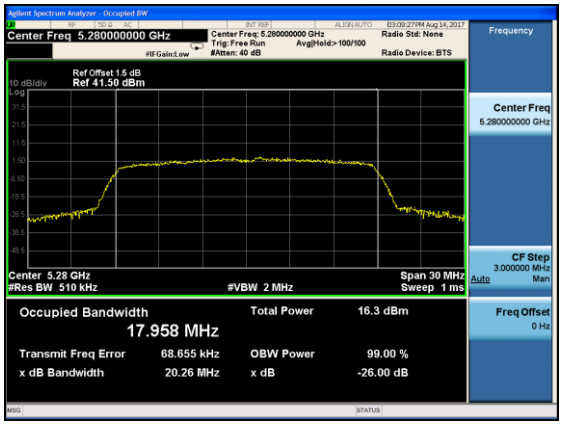


Table 18 26dB Bandwidth Test Data 5250~5350 MHz 802.11n HT20

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5260	20.67	Pass
5280	20.26	Pass
5320	20.23	Pass





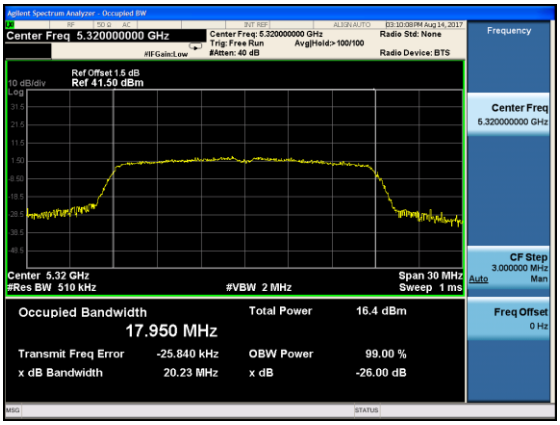
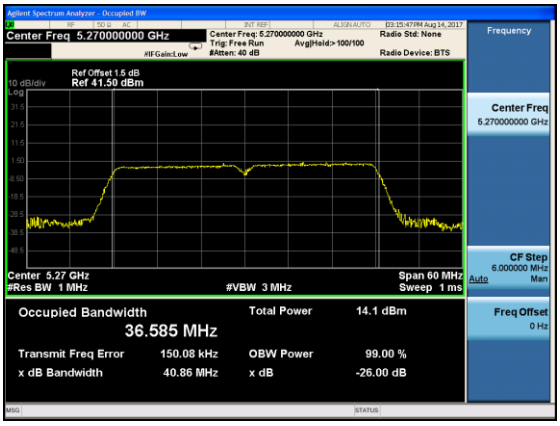


Table 19 26dB Bandwidth 5250~5350 MHz 802.11n HT40

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5270	40.86	Pass
5310	40.82	Pass



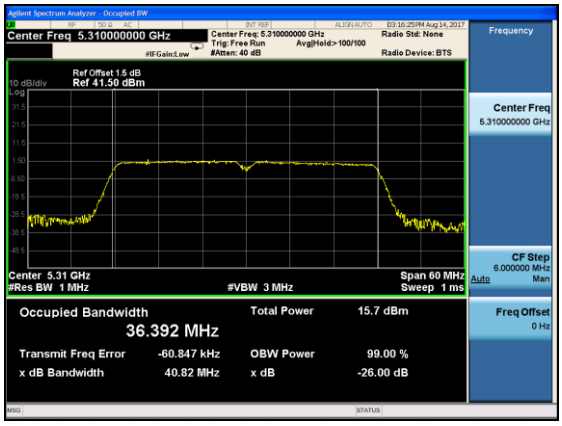
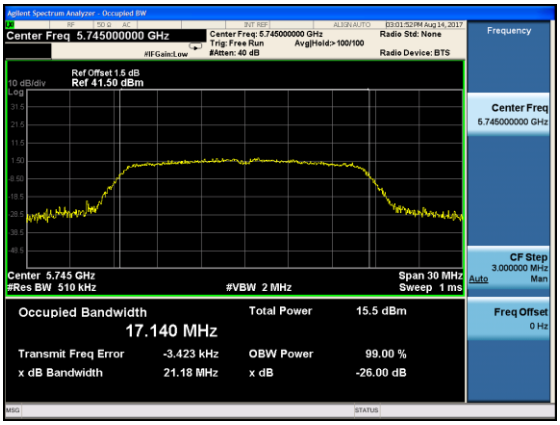
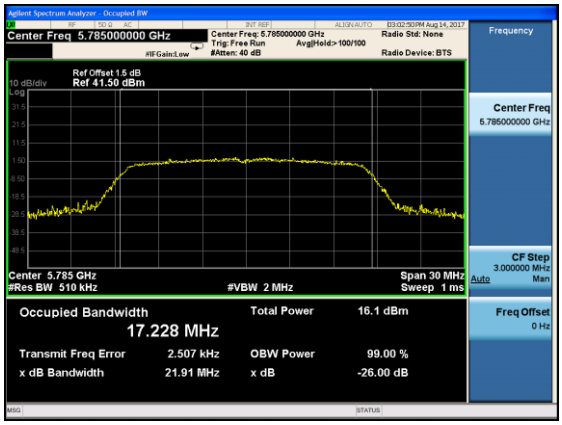


Table 20 26dB Bandwidth Test Data 5725~5850 MHz 802.11a

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5745	21.18	Pass
5785	21.91	Pass
5825	21.97	Pass





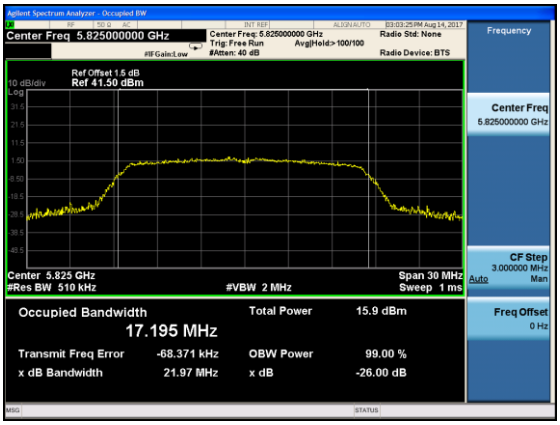
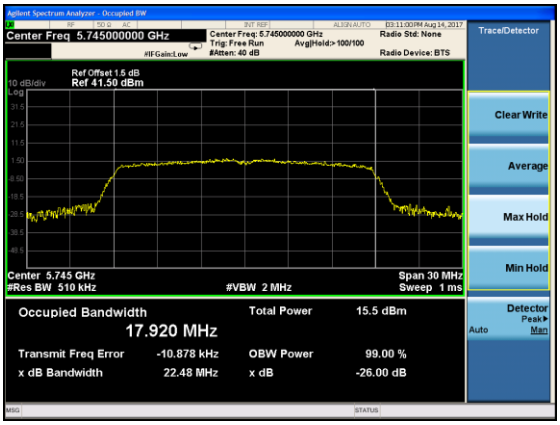
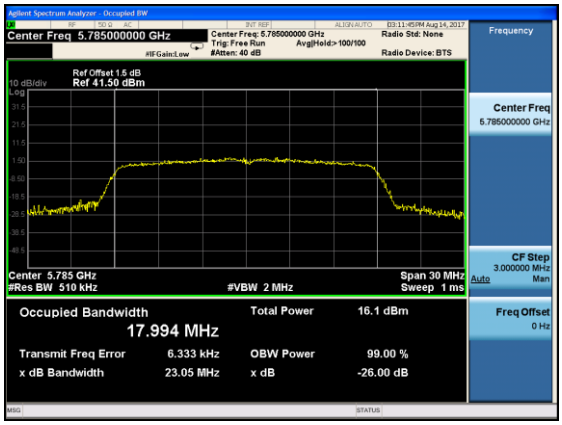


Table 21 26dB Bandwidth Test Data 5725~5850 MHz 802.11n HT20

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5745	22.48	Pass
5785	23.05	Pass
5825	23.29	Pass





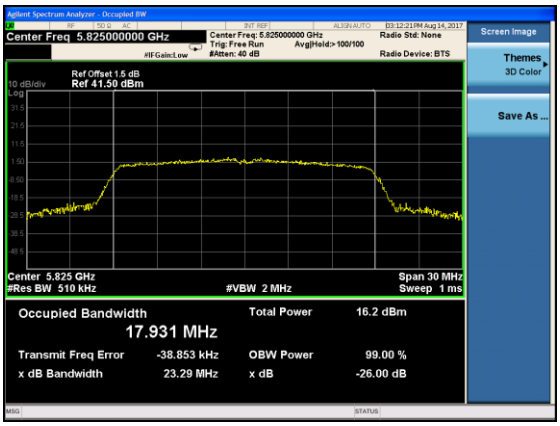
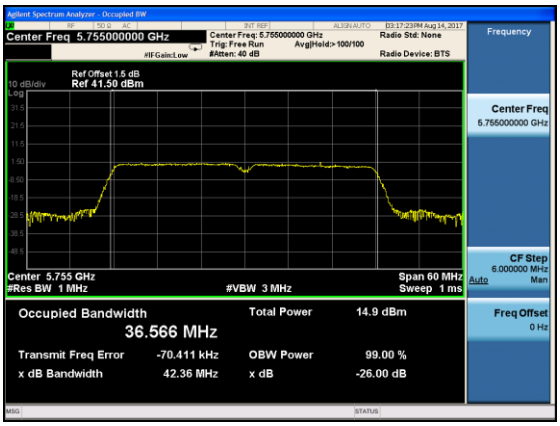
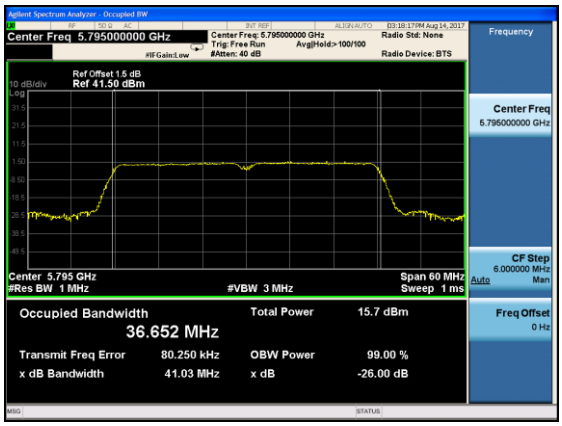


Table 22 26dB Bandwidth 5725~5850 MHz 802.11n HT40

CHANNEL FREQUENCY (MHz)	26dB BANDWIDTH (MHz)	results
5755	42.36	Pass
5795	41.03	Pass





8. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

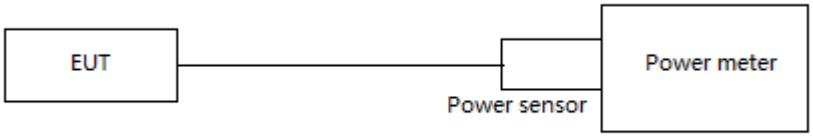
8.1. LIMITS OF Maximum Conducted Output Power Measurement

CFR 47 (FCC) part 15.2407 (a)
For the band 5.15–5.25 GHz.
For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the max-imum antenna gain does not exceed 6 dBi.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi.
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W

8.2. TEST PROCEDURE

(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.
The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B.
(iii) Measure the average power of the transmitter. This measurement is an average overboth the on and off periods of the transmitter.
(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g.,10 log (1/0.25) if the duty cycle is 25%).the measurement result.

8.3. TEST SETUP



8.4.TEST DATA

Table 23 Maximum Conducted Output Power Test Data 802.11a

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Duty Factor	Maximum Conducted Output Power(Average) [dBm]	Limit [dBm]	Result
5180	9.95	0.11	10.06	< 23.98	Pass
5200	10.67	0.11	10.78	< 23.98	Pass
5240	11.1	0.11	11.21	< 23.98	Pass
5260	10.94	0.11	11.05	< 23.98 or < 11+10log(B)=24.06	Pass
5280	11.29	0.11	11.4	< 23.98 or < 11+10log(B)=24.04	Pass
5320	11.47	0.11	11.58	< 23.98 or < 11+10log(B)=24.02	Pass
5745	11.42	0.11	11.53	< 30	Pass
5785	11.43	0.11	11.54	< 30	Pass
5825	11.45	0.11	11.56	< 30	Pass

Table 24 Maximum Conducted Output Power Test Data 802.11n HT20

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Duty Factor	Maximum Conducted Output Power(Average) [dBm]	Limit [dBm]	Result
5180	10.43	0.13	10.56	< 23.98	Pass
5200	10.64	0.13	10.77	< 23.98	Pass
5240	11.1	0.13	11.23	< 23.98	Pass
5260	10.91	0.13	11.04	< 23.98 or < 11+10log(B)=24.15	Pass
5280	11.25	0.13	11.38	< 23.98 or < 11+10log(B)=24.07	Pass
5320	11.46	0.13	11.59	< 23.98 or < 11+10log(B)=24.06	Pass
5745	11.61	0.13	11.74	< 30	Pass
5785	11.4	0.13	11.53	< 30	Pass
5825	11.43	0.13	11.56	< 30	Pass

Table 25 Maximum Conducted Output Power Test Data 802.11n HT40

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Duty Factor	Maximum Conducted Output Power(Average) [dBm]	Limit [dBm]	Result
5190	8.51	0.23	8.74	< 23.98	Pass
5230	9.06	0.23	9.29	< 23.98	Pass
5270	9.25	0.23	9.48	< 23.98 or < 11+10log(B)=27.11	
5310	9.31	0.23	9.54	< 23.98 or < 11+10log(B)=27.11	
5755	9.51	0.23	9.74	< 30	Pass
5795	9.46	0.23	9.69	< 30	Pass

9. MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT

9.1. LIMITS OF Maximum Power Spectral Density Level Measurement

CFR 47 (FCC) part 15.407 (a)
For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

9.2. TEST PROCEDURE

1.Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power….” (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
a) If Method SA-2 or SA-2 Alternative was used, add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum.
b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the
above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz.

Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and 789033 D02 General UNII Test Procedures New Rules v01r02 Page 10 integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ⩾ 1/T, where T is defined in section II.B.l.a).

b) Set VBW ⩾ 3 RBW.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

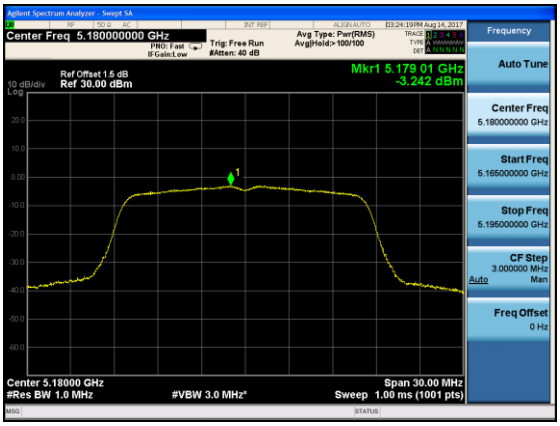
Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections

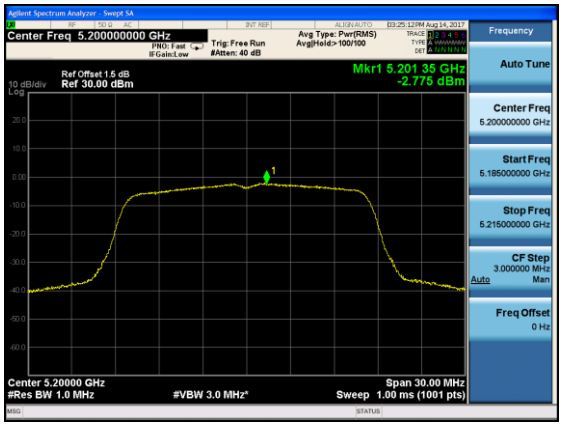
5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

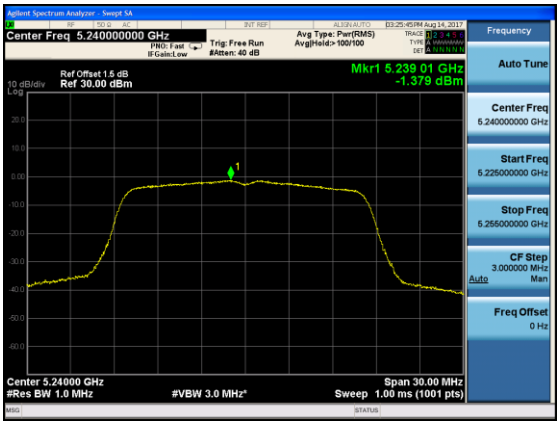
9.3. TEST DATA

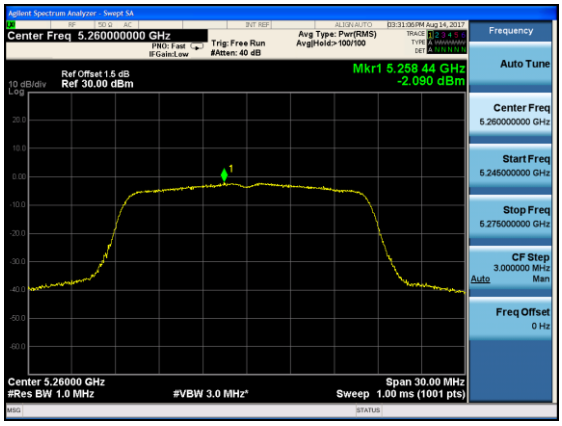
Table 26 Maximum Power Spectral Density Level Test Data 802.11a

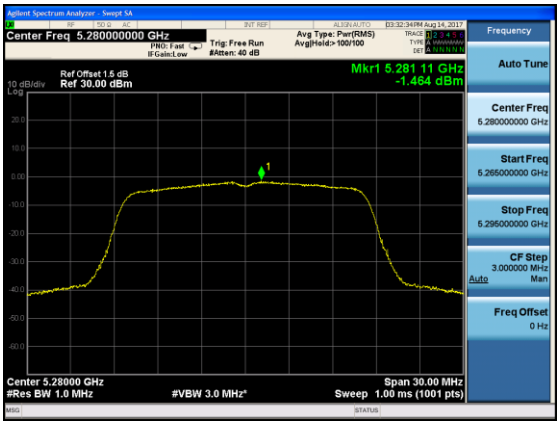
Center Freq.[MHz]	Meas.Level [dBm]	Duty Factor	Maximum Power Spectral Density [dBm]	Limit [dBm]	Result
5180	-3.242	0.11	-3.132	11	Pass
5200	-2.775	0.11	-2.665	11	Pass
5240	-1.379	0.11	-1.269	11	Pass
5260	-2.090	0.11	-1.98	11	Pass
5280	-1.464	0.11	-1.354	11	Pass
5320	-0.645	0.11	-0.535	11	Pass
5745	-3.769	0.11	-3.659	30	Pass
5785	-4.075	0.11	-3.965	30	Pass
5825	-4.411	0.11	-4.301	30	Pass

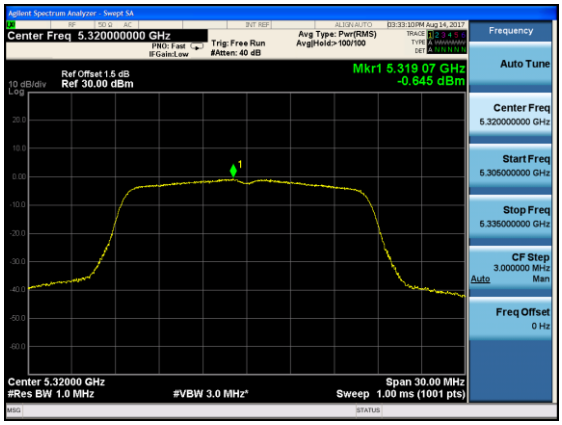


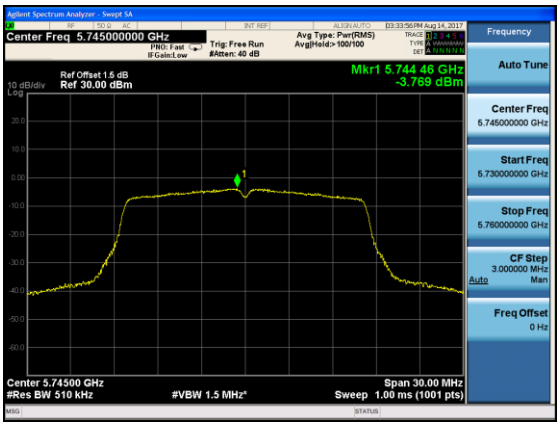


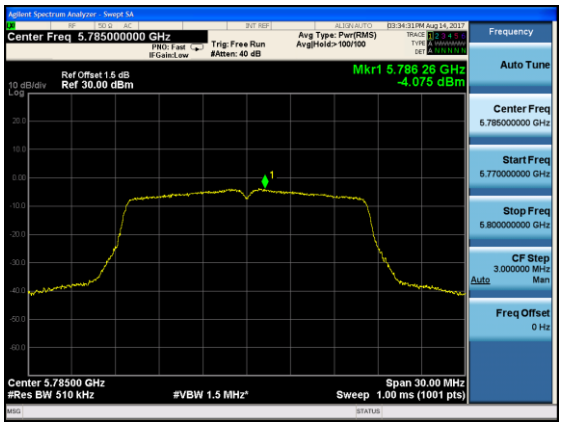





Agilent Spectrum Analyzer - Swept SA
Center Freq 5.280000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.281 11 GHz
-1.464 dBm
Center 5.28000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.280000000 GHz
Start Freq
5.265000000 GHz
Stop Freq
5.295000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.319 07 GHz
-0.645 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.320000000 GHz
Start Freq
5.305000000 GHz
Stop Freq
5.335000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.744 46 GHz
-3.769 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.745000000 GHz
Start Freq
5.730000000 GHz
Stop Freq
5.760000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.786 26 GHz
-4.075 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.770000000 GHz
Stop Freq
5.800000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

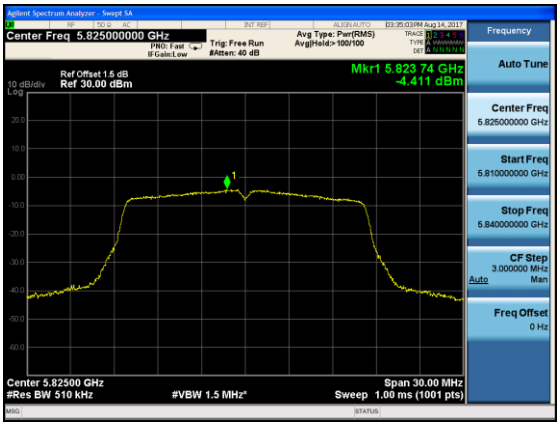
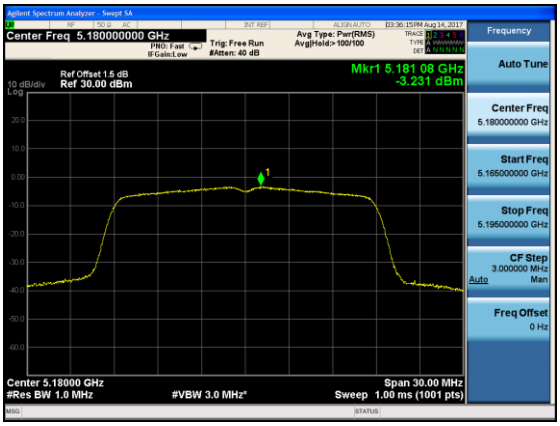
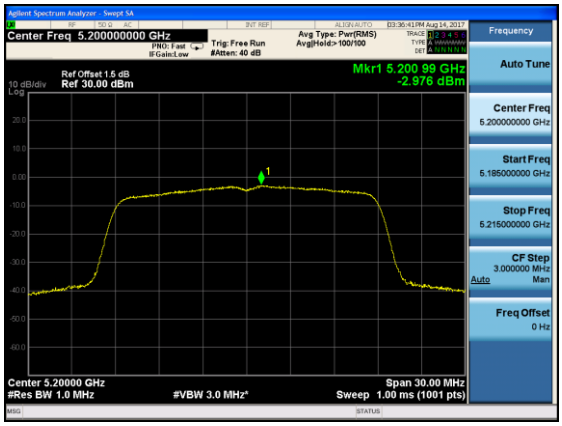
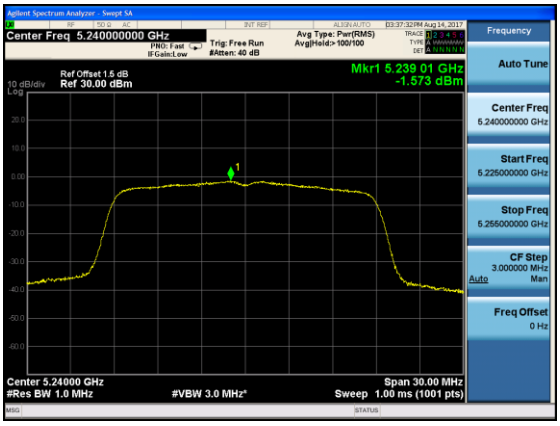

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.823 74 GHz
-4.411 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.810000000 GHz
Stop Freq
5.840000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

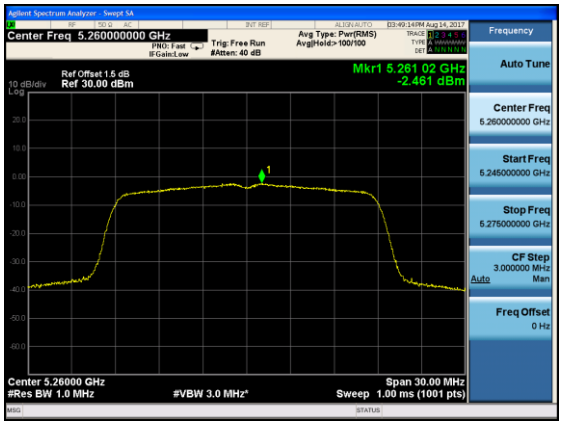
Table 27 Maximum Power Spectral Density Level Test Data 802.11n HT20

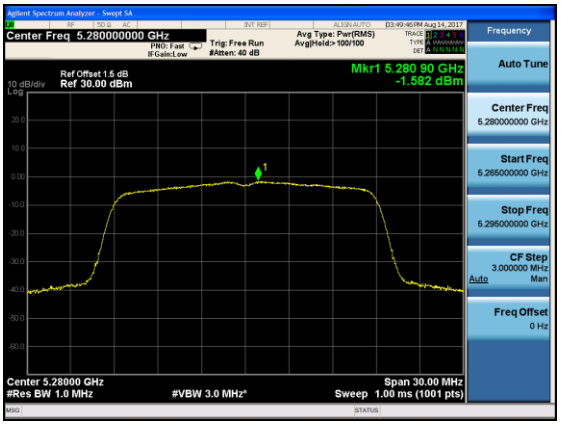
Center Freq.[MHz]	Meas.Level [dBm]	Duty Factor	Maximum Power Spectral Density [dBm]	Limit [dBm]	Result
5180	-3.231	0.13	-3.101	11	Pass
5200	-2.976	0.13	-2.846	11	Pass
5240	-1.573	0.13	-1.443	11	Pass
5260	-2.461	0.13	-2.331	11	Pass
5280	-1.582	0.13	-1.452	11	Pass
5320	-1.613	0.13	-1.483	11	Pass
5745	-4.318	0.13	-4.188	30	Pass
5785	-4.356	0.13	-4.226	30	Pass
5825	-4.087	0.13	-3.957	30	Pass

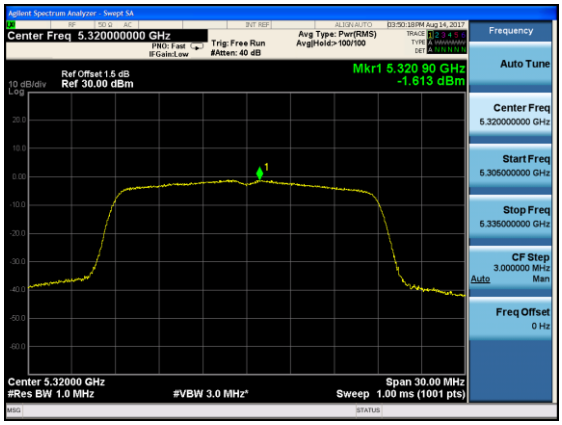


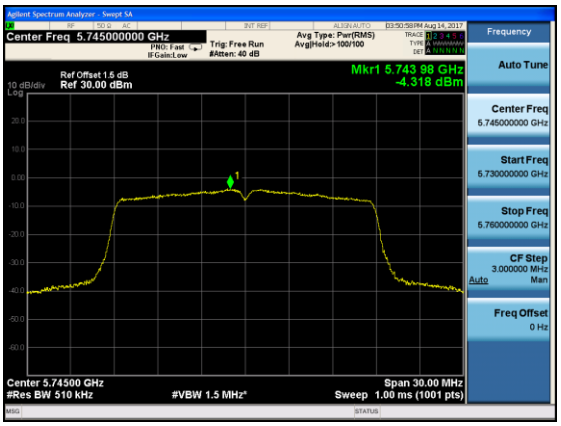


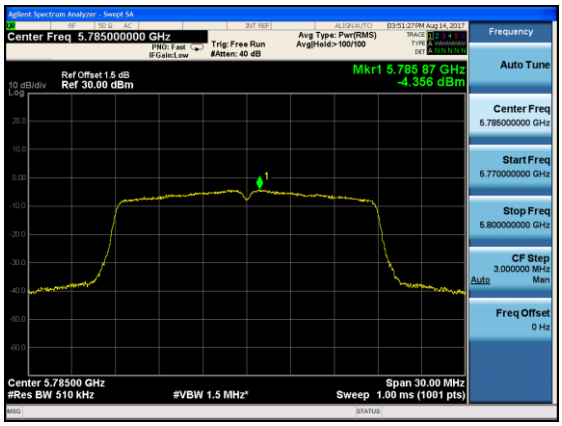





Agilent Spectrum Analyzer - Swept SA
Center Freq 5.280000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.280 90 GHz
-1.582 dBm
Center 5.28000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.280000000 GHz
Start Freq
5.265000000 GHz
Stop Freq
5.295000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.320000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.320 90 GHz
-1.613 dBm
Center 5.32000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.320000000 GHz
Start Freq
5.305000000 GHz
Stop Freq
5.335000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.745000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.743 98 GHz
-4.318 dBm
Center 5.74500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.745000000 GHz
Start Freq
5.730000000 GHz
Stop Freq
5.760000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.785000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.785 87 GHz
-4.356 dBm
Center 5.78500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.785000000 GHz
Start Freq
5.770000000 GHz
Stop Freq
5.800000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

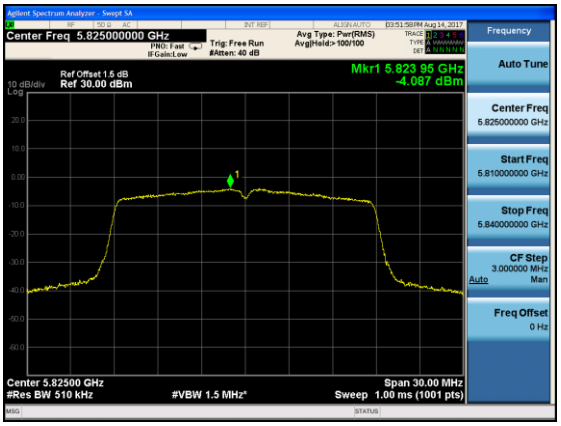
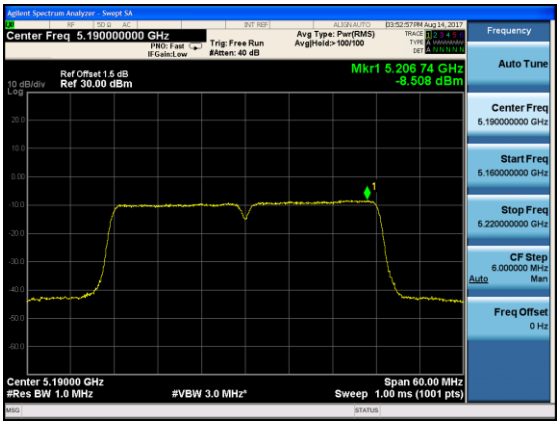
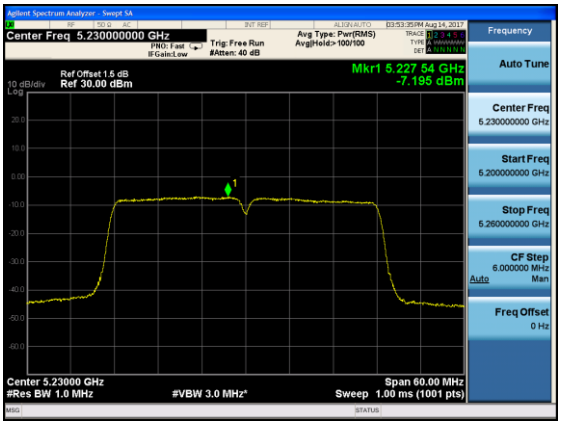
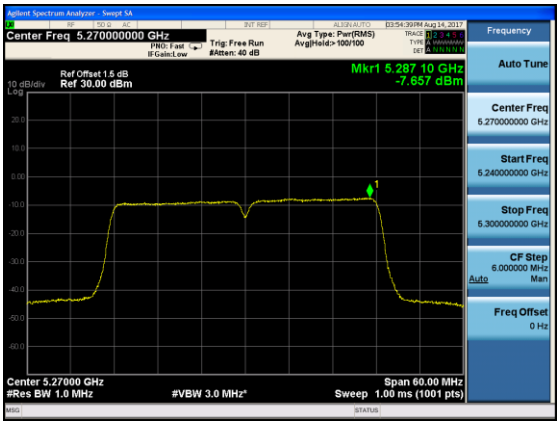

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.825000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Mkr1 5.823 95 GHz
-4.087 dBm
Center 5.82500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 30.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.825000000 GHz
Start Freq
5.810000000 GHz
Stop Freq
5.840000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz

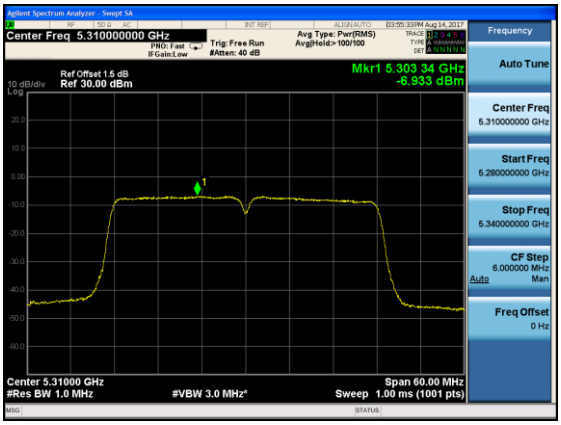
Table 28 Maximum Power Spectral Density Level Test Data 802.11n HT40

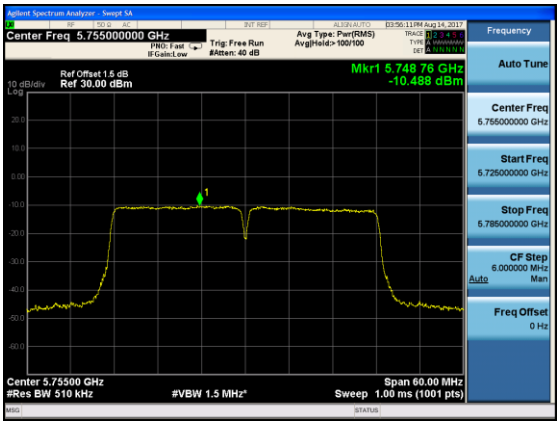
Center Freq.[MHz]	Meas.Level [dBm]	Duty Factor	Maximum Power Spectral Density [dBm]	FCC Limit [dBm]	Result
5190	-8.508	0.23	-8.278	11	Pass
5230	-7.195	0.23	-6.965	11	Pass
5270	-7.657	0.23	-7.427	11	Pass
5310	-6.933	0.23	-6.703	11	Pass
5755	-10.488	0.23	-10.258	30	Pass
5795	-9.968	0.23	-9.738	30	Pass

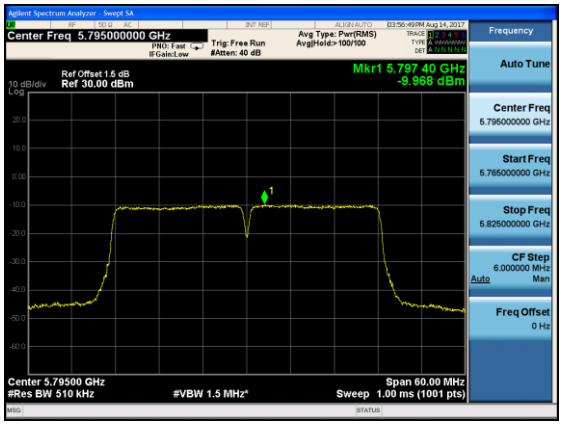









Agilent Spectrum Analyzer - Swept SA
Center Freq 5.755000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Mkr1 5.748 76 GHz
-10.488 dBm
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center 5.75500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 60.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.755000000 GHz
Start Freq
5.725000000 GHz
Stop Freq
5.785000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: Pwr(RMS)
Avg|Hold:>100/100
Mkr1 5.797 40 GHz
-9.968 dBm
Ref Offset 1.5 dB
10 dB/div
Ref 30.00 dBm
Log
Center 5.79500 GHz
#Res BW 510 kHz
#VBW 1.5 MHz*
Span 60.00 MHz
Sweep 1.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.765000000 GHz
Stop Freq
5.825000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

10. RADIATED BANDEDGE AND SPURIOUS MEASUREMENT

10.1. LIMITS OF Radiated Bandedge and Spurious Measurement

FCC Part 15.205 and 15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

FCC Part 15.407(b)

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

10.2. TEST PROCEDURE

1. The testing follows the guidelines in ANSI C63.10-2013.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. For measurement below 1GHz, the EUT was placed on a turntable with 0.8 meter,above ground. For measurement above 1 GHz, test at FAR, the EUT is placed on a non-conductive table, which is 1.5 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Use the following spectrum analyzer settings:
(1) Span shall wide enough to fully capture the emission being measured;
(2) Set RBW=100 kHz for f < 1 GHz; VBW >= RBW; Sweep = auto; Detector function = peak; Trace = max hold;

(3) Set RBW = 1 MHz, VBW= 3MHz for f > 1 GHz for peak measurement.
Set RBW = 1 MHz, and 1/T (on time) for average measurement.

10.3.TEST DATA

Adaptor 1# for EUT：UC11US TENPAO

9KHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Table 29 Radiated Emission Test Data 9k Hz-30MHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
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30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don’t show in following result tables are more than 20dB below the limits.

Table 30 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
32.271	0.7	12.3	6.7	19.7	H	10	2.0	40	20.3
47.496	0.8	13.6	-2.6	11.8	H	0	1.0	40	28.2
76.651	1.0	7.8	4.7	13.5	H	10	1.0	40	26.5
96.171	1.1	12.8	0.4	14.3	H	40	1.0	43.5	29.2
173.855	1.5	9.0	8.4	18.9	H	30	2.0	43.5	24.6
211.353	1.8	10.6	19.2	31.6	H	60	2.0	43.5	11.9
31.211	0.6	12.3	12.2	25.1	V	10	1.0	40	14.9
37.991	0.7	12.3	18.8	31.8	V	30	1.0	40	8.2
45.589	0.8	13.6	12.2	26.6	V	330	1.0	40	13.4
86.371	1.1	10.3	8.4	19.8	V	10	1.0	40	20.2
105.160	1.2	13.2	7.2	21.6	V	30	1.0	43.5	21.9
211.553	1.8	10.6	20.8	33.2	V	70	1.0	43.5	10.3

Adaptor for 2# EUT：UC11US BYD

9KHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Table 31 Radiated Emission Test Data 9k Hz-30MHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
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30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don’t show in following result tables are more than 20dB below the limits.

Table 32 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
30.020	0.6	12.3	23.8	36.7	V	10	1.0	40	3.3
35.511	0.6	12.3	18.7	31.6	V	30	1.0	40	8.4
43.376	0.7	13.6	3.0	17.3	V	30	1.0	40	22.7
100.443	1.1	13.2	1.7	16.0	V	340	1.0	43.5	27.5
161.314	1.5	8.7	3.4	13.6	V	10	1.0	43.5	29.9
209.923	1.7	10.6	19.2	31.5	V	30	1.0	43.5	12.0
30.020	0.6	12.3	10.5	23.4	H	10	2.0	40	16.6
35.310	0.6	12.3	2.7	15.6	H	40	2.0	40	24.4
53.890	0.8	13.3	-0.7	13.4	H	10	2.0	40	26.6
94.148	1.1	11.9	3.7	16.7	H	0	1.0	43.5	26.8
161.521	1.5	8.7	3.4	13.6	H	310	1.0	43.5	29.9
209.898	1.7	10.6	16.8	29.1	H	40	2.0	43.5	14.4

Adaptor 3# for EUT：UC13EU BYD

9KHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Table 33 Radiated Emission Test Data 9k Hz-30MHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
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30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don't show in following result tables are more than 20dB below the limits.

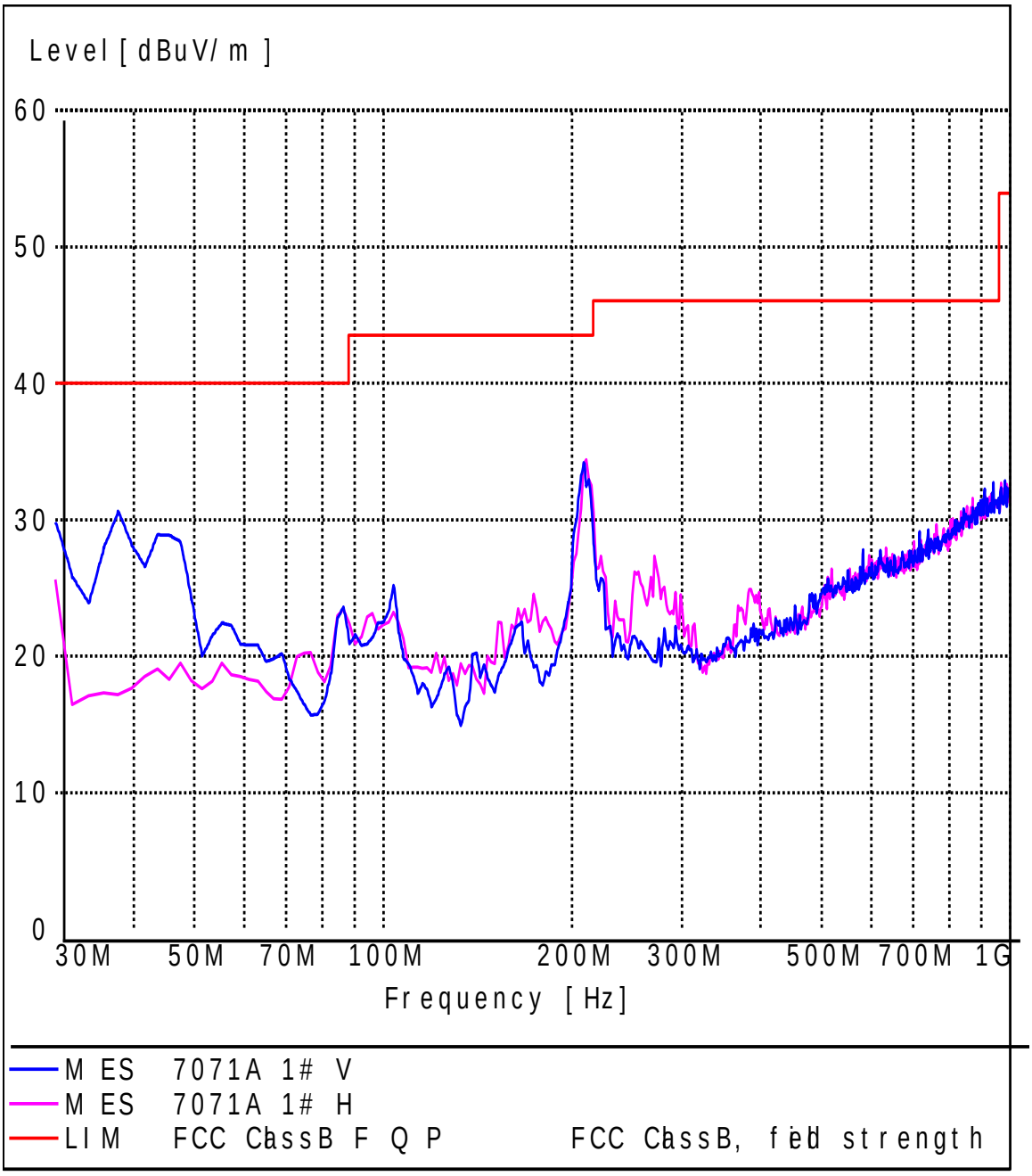
Table 34 Radiated Emission Test Data 30MHz-1GHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
50.952	0.8	13.3	9.0	23.1	H	30	1.0	40	16.9
86.648	1.1	10.3	16.1	27.5	H	20	1.0	40	12.5
91.207	1.2	11.9	16.9	30.0	H	30	2.0	43.5	13.5
150.571	1.4	8.3	16.9	26.6	H	10	2.0	43.5	16.9
199.168	1.6	10.6	14.0	26.2	H	20	2.0	43.5	17.3
269.299	2.0	12.1	20.0	34.1	H	10	2.0	46	11.9
30.185	0.6	12.3	19.8	32.7	V	20	1.0	40	7.3
34.947	0.6	12.3	19.0	31.9	V	10	1.0	40	8.1
90.431	1.2	11.9	15.4	28.5	V	30	1.0	43.5	15.0
205.376	1.6	10.6	16.5	28.7	V	20	1.0	43.5	14.8
208.577	1.7	10.6	16.8	29.1	V	10	1.0	43.5	14.4
267.747	2.0	12.1	15.2	29.3	V	20	1.0	46	16.7

REMARK: Emission level(dBuV)=Read Value(dBuV/m) + Antenna Factor(dB)+ Cable Loss +preamp(dB)

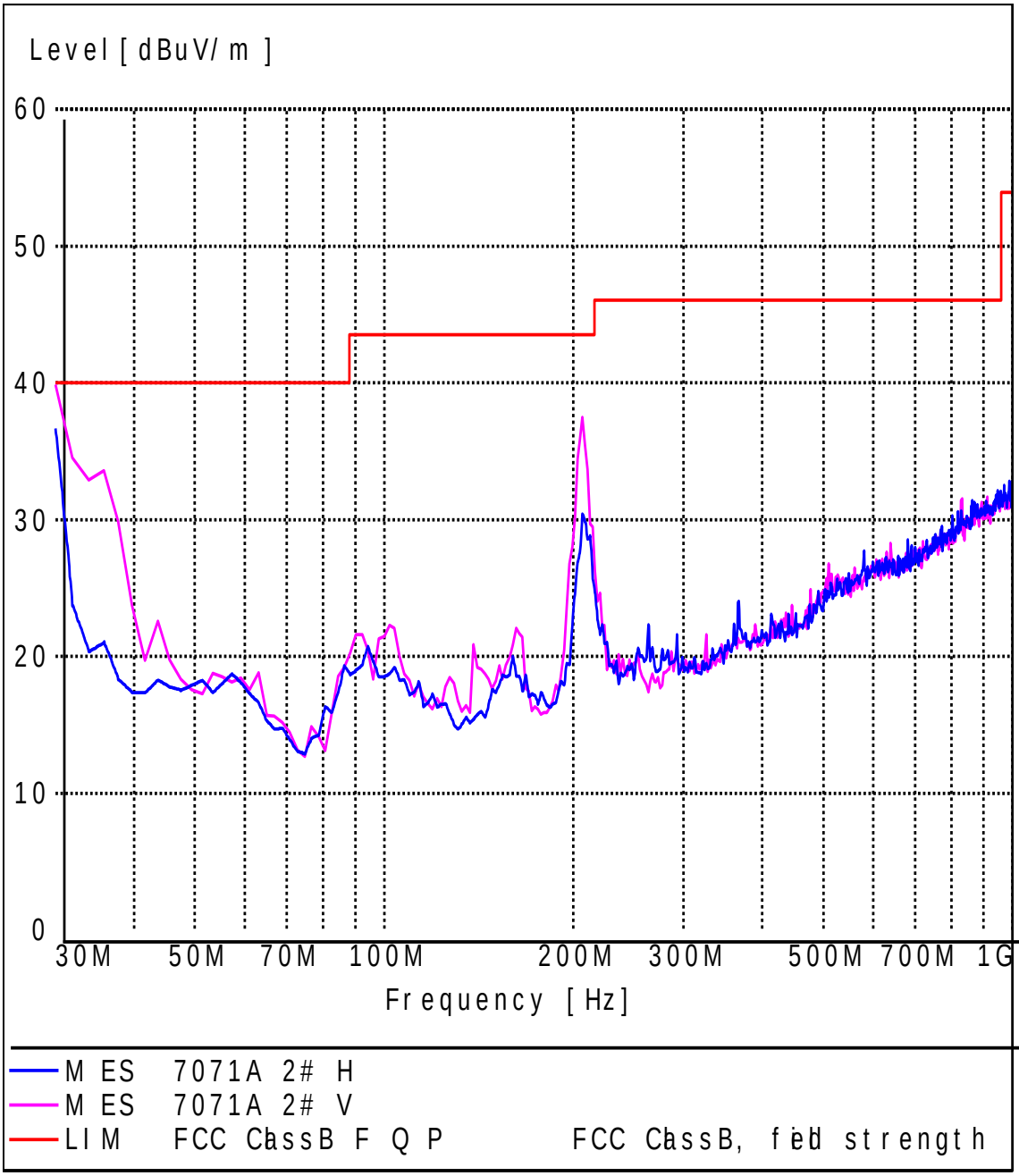
Radiated Emission

EUT Name: 7071A
Operating Condition: Charging and Transmitting
Test site: SMQ NETC EMC Lab.
Antenna Position: Vertical & Horizontal
Comment: 120V/60Hz
Comment: Adaptor: 1#



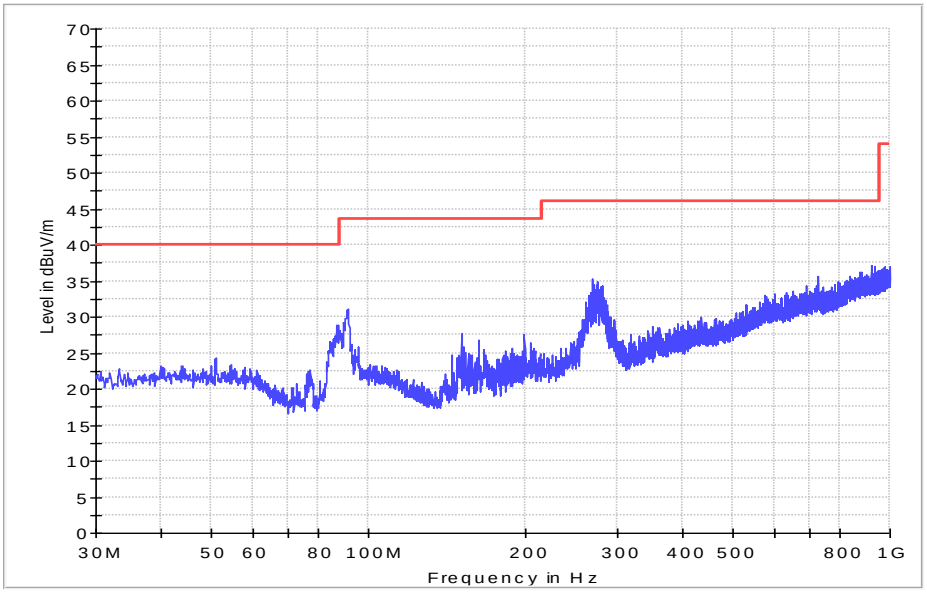
Radiated Emission

EUT Name: 7071A
Operating Condition: Charging and Transmitting
Test site: SMQ NETC EMC Lab.
Antenna Position: Vertical & Horizontal
Comment: 120V/60Hz
Comment: Adaptor: 2#



Radiated Emission

EUT Name: 7071A
Operating Condition: Charging and Transmitting
Test site: SMQ NETC EMC Lab.
Antenna Position: Vertical & Horizontal
Comment: 120V/60Hz
Comment: Adaptor: 3#



(Horizontal

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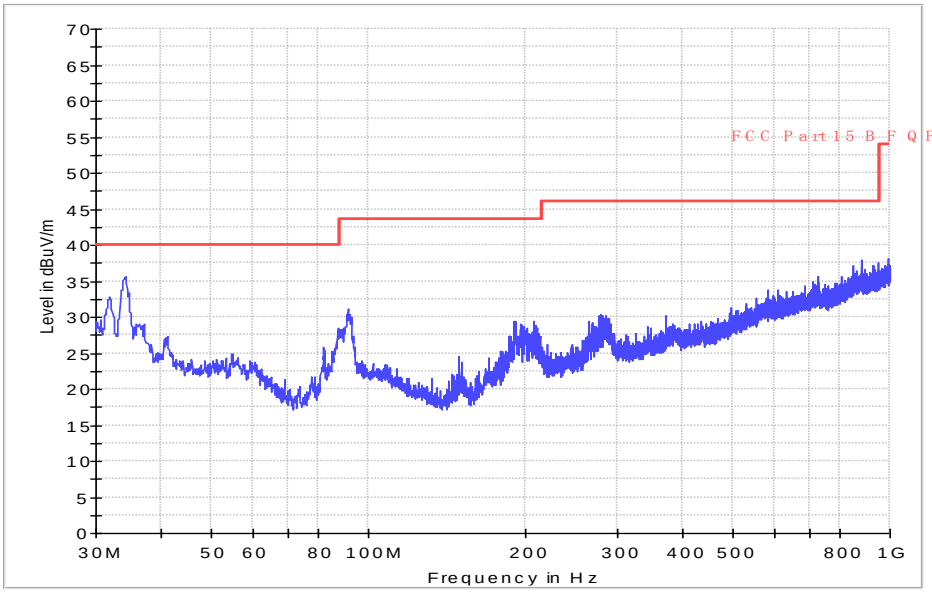


(Vertical)

1-18G

11a IN THE 5.2GHz BAND

Ch36

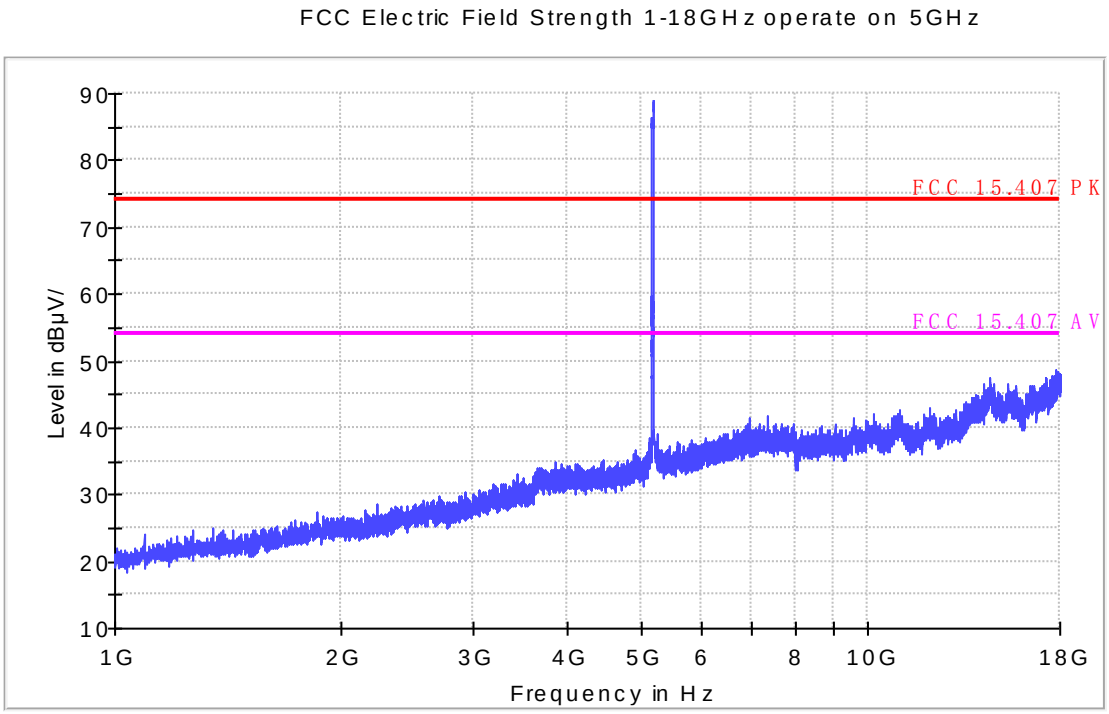
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH36
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

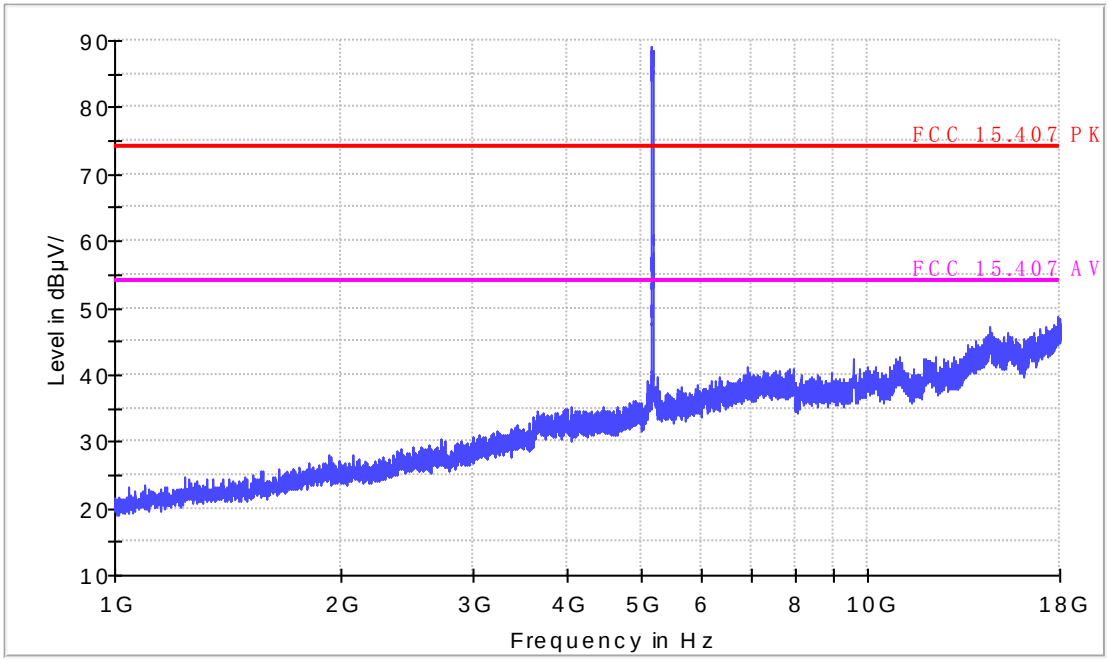
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH1
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.2GHz BAND

CH40

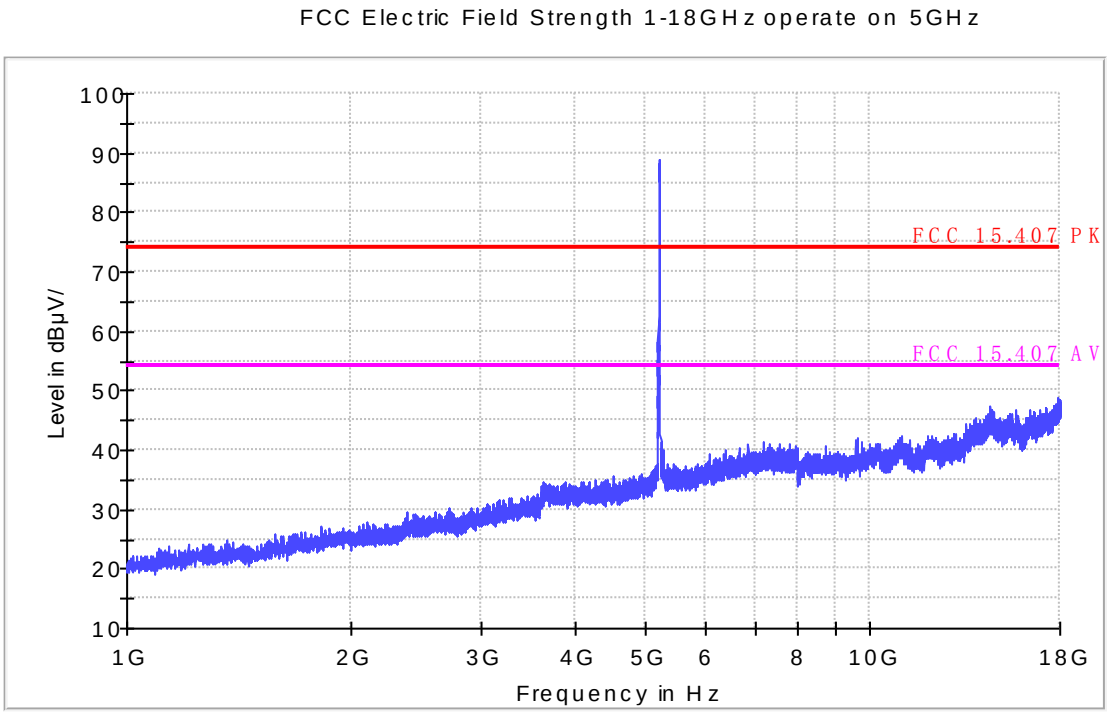
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH40
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

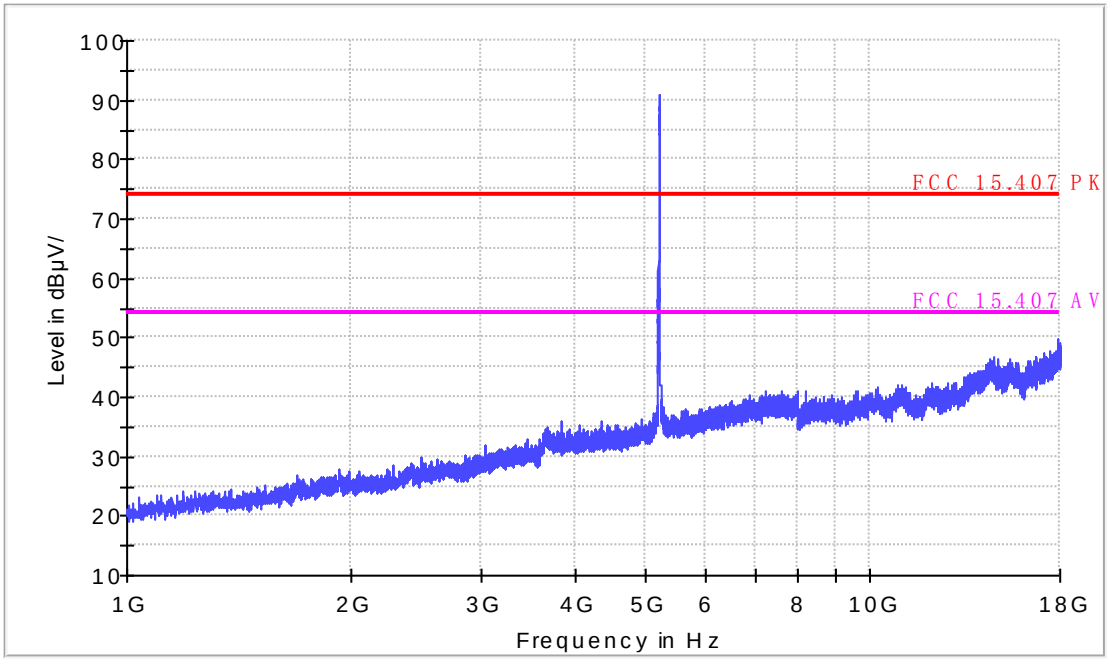
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH40
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.2GHz BAND

CH48

Radiated Emission

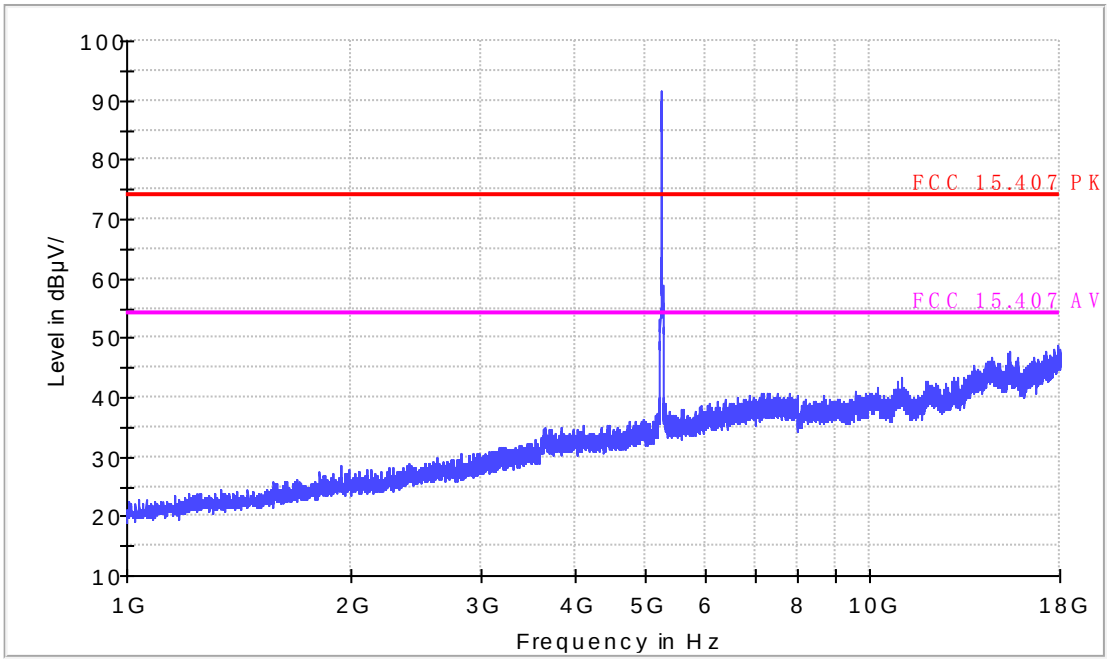
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH48
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

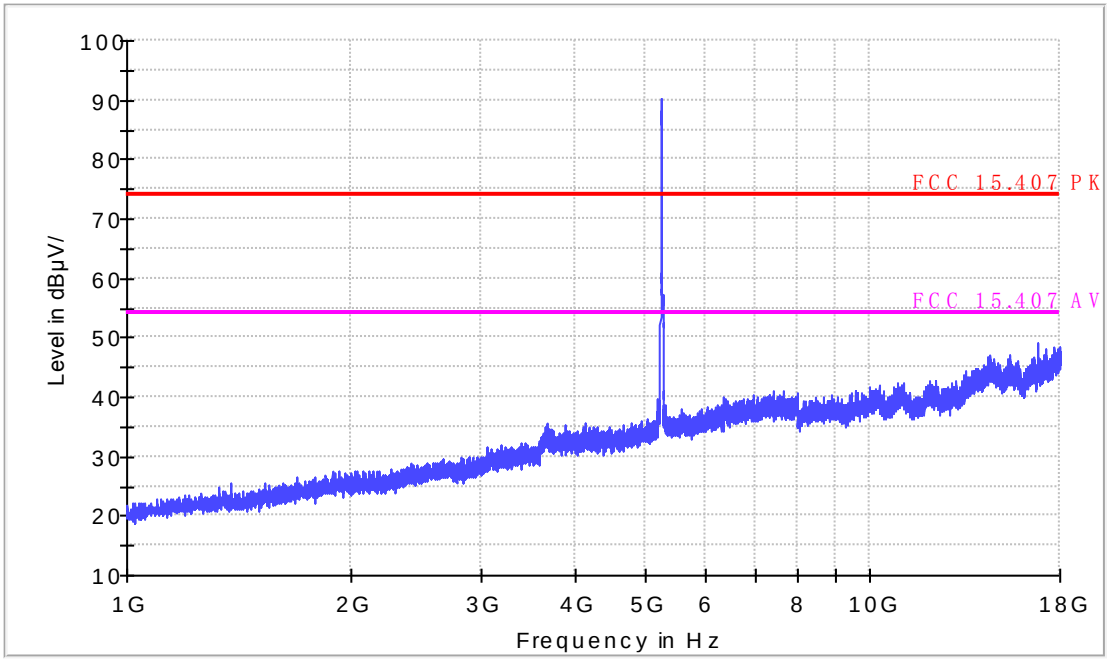
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH48
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH36

Radiated Emission

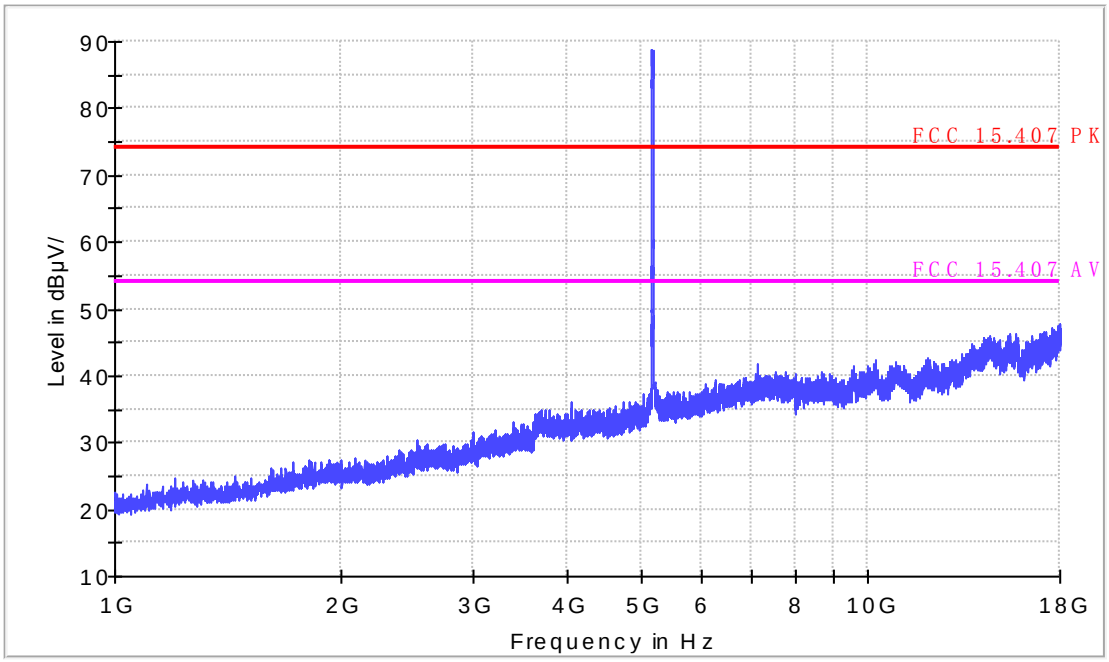
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH36
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

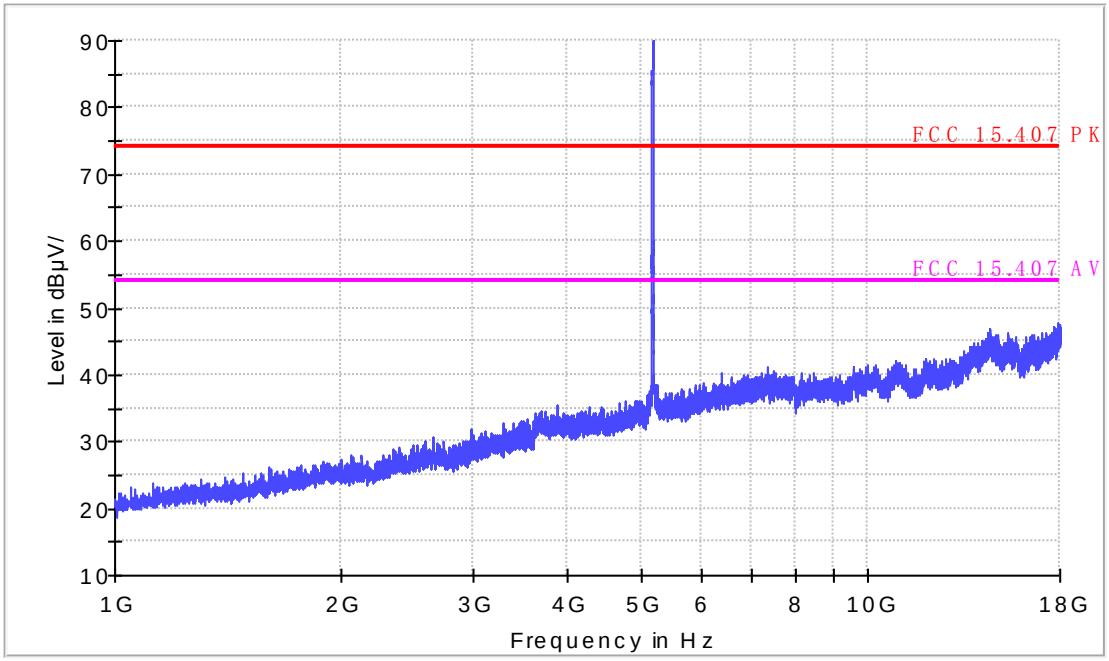
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH36
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH40

Radiated Emission

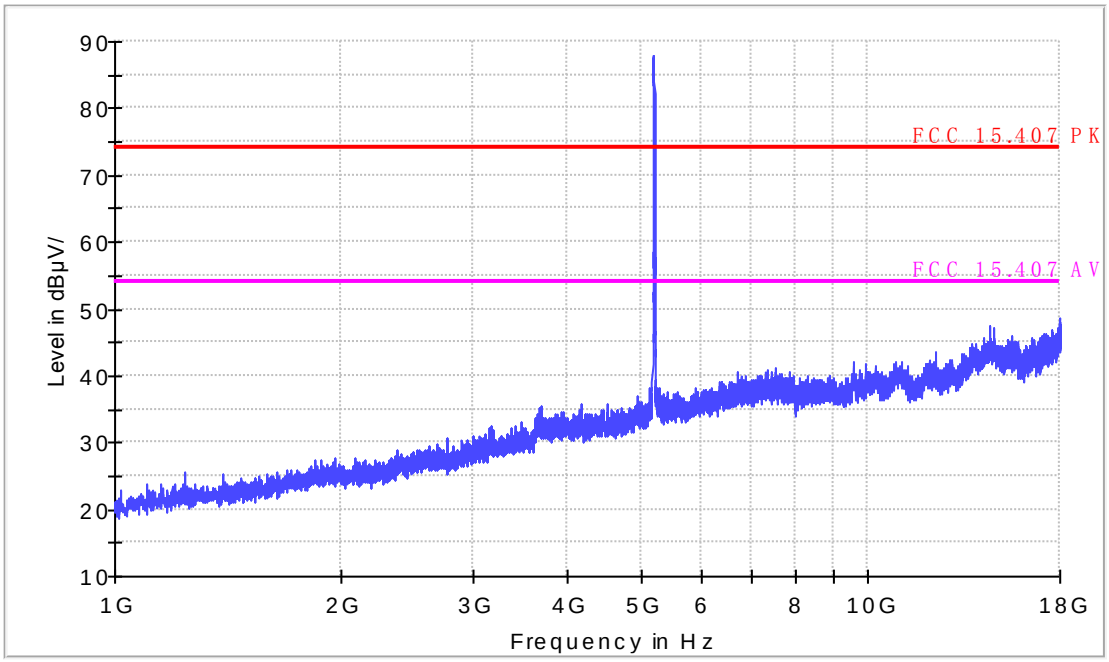
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH40
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

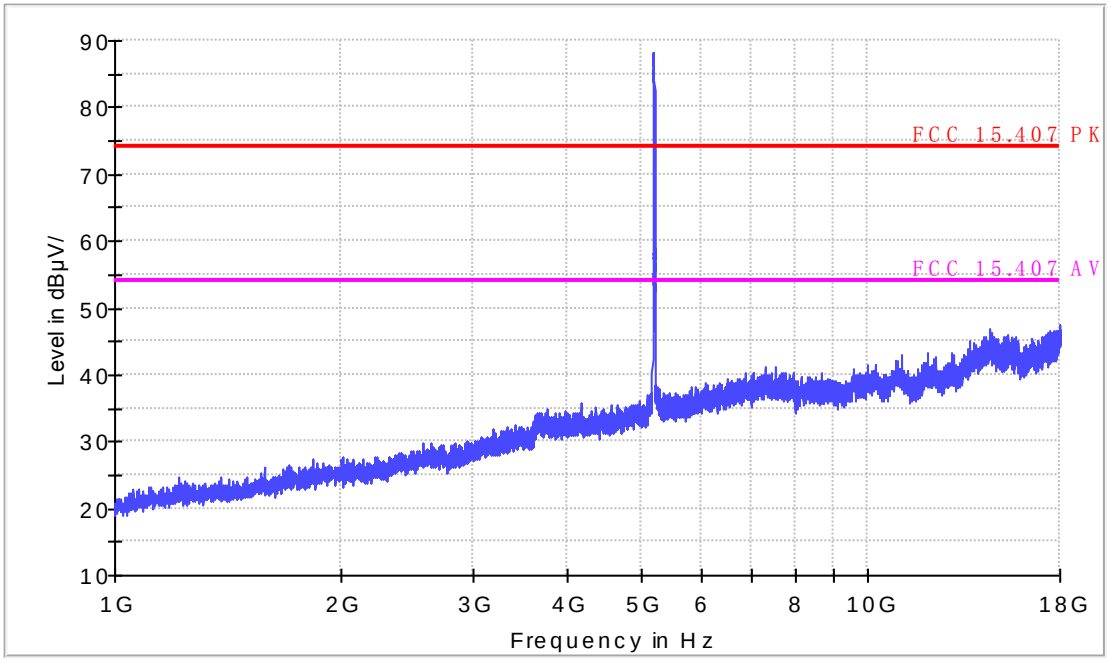
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH40
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.2GHz BAND

CH48

Radiated Emission

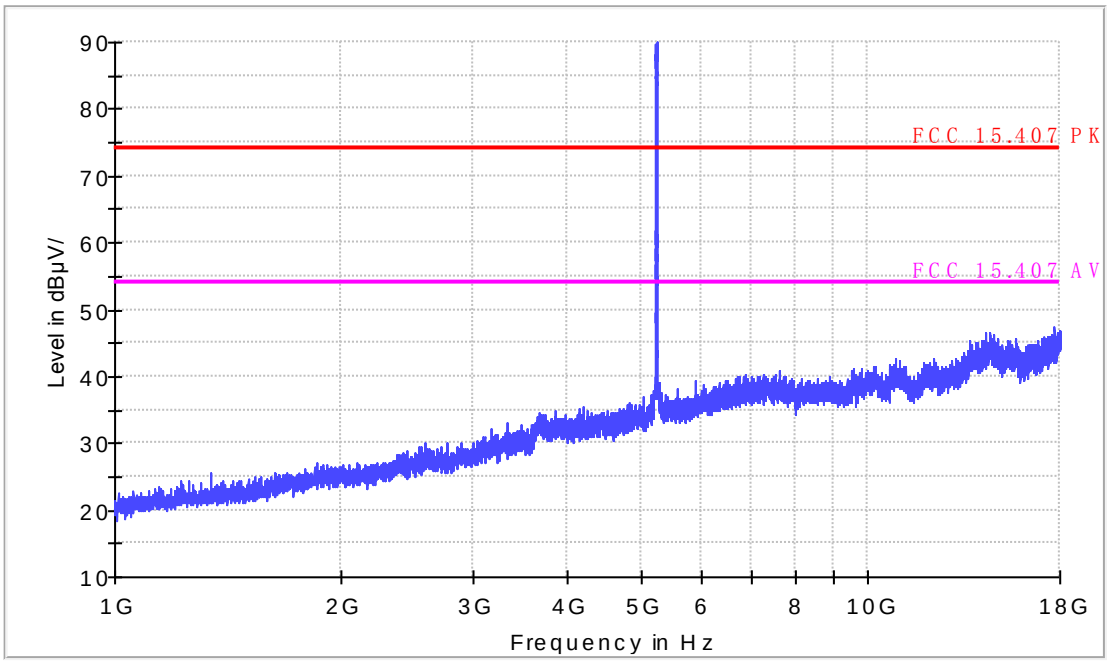
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH48
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

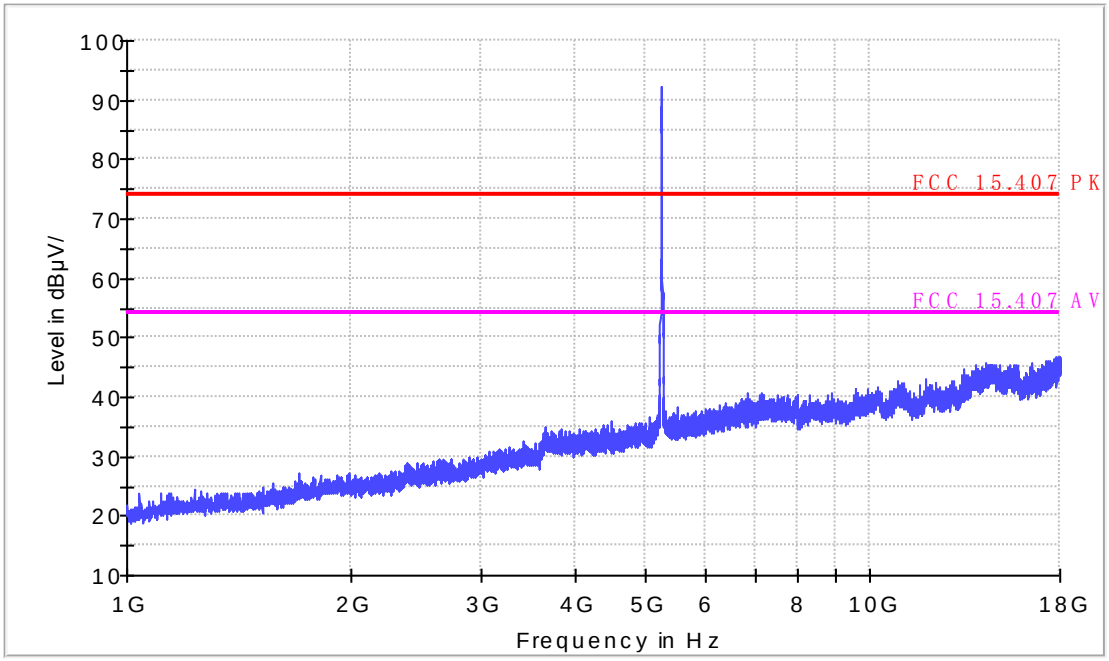
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT20 CH48
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.2GHz BAND

CH38

Radiated Emission

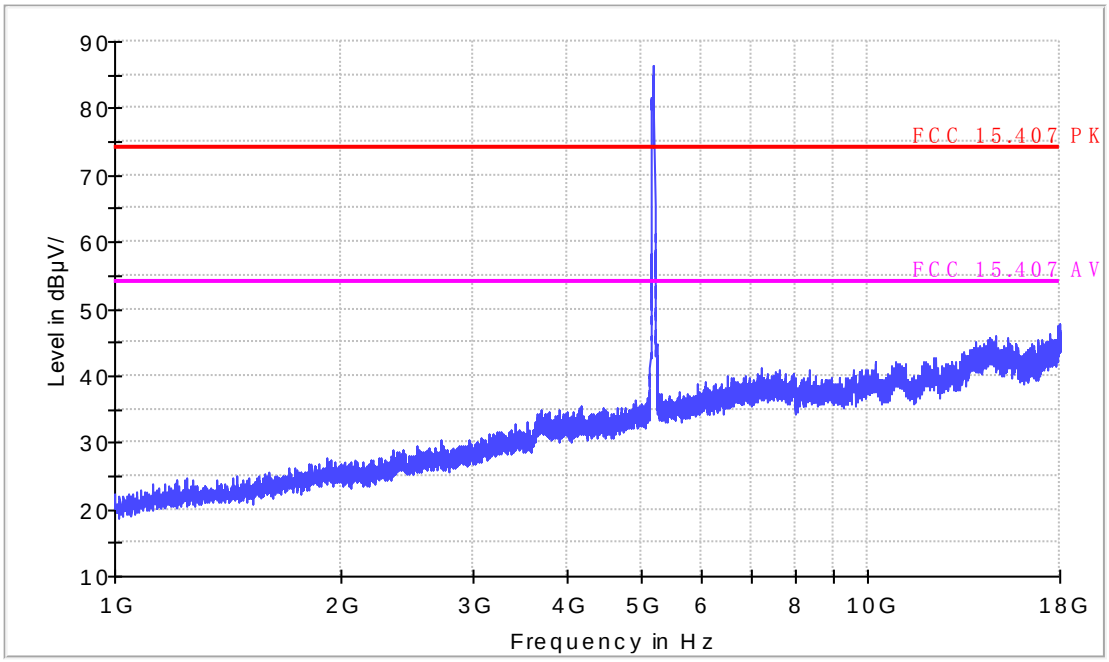
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH38
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

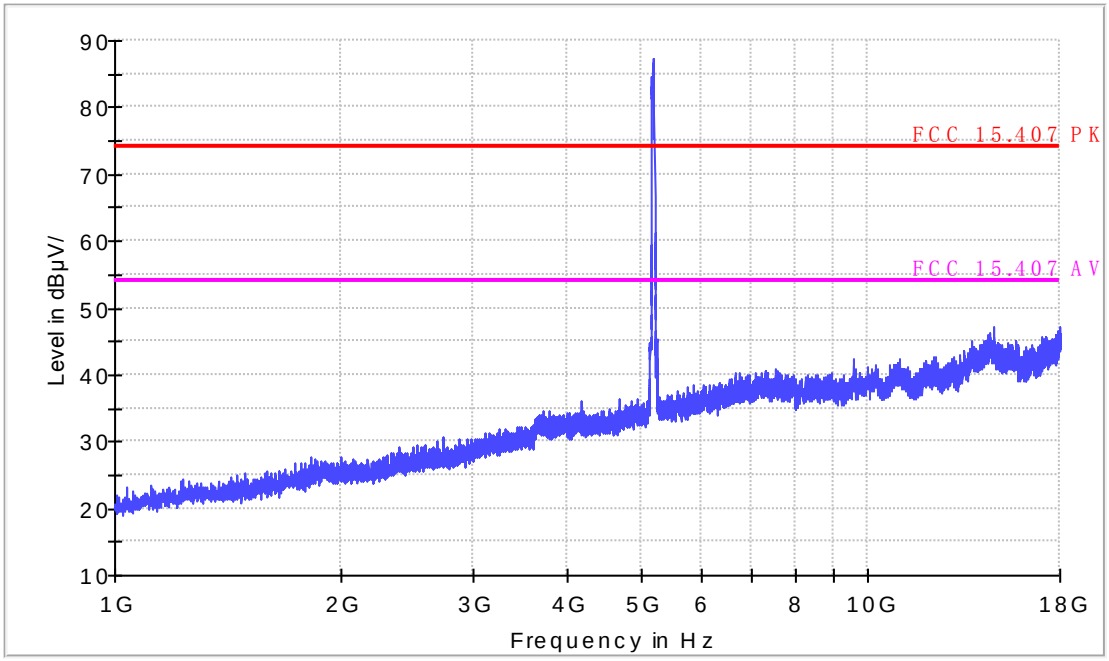
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH38
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.2GHz BAND

CH46

Radiated Emission

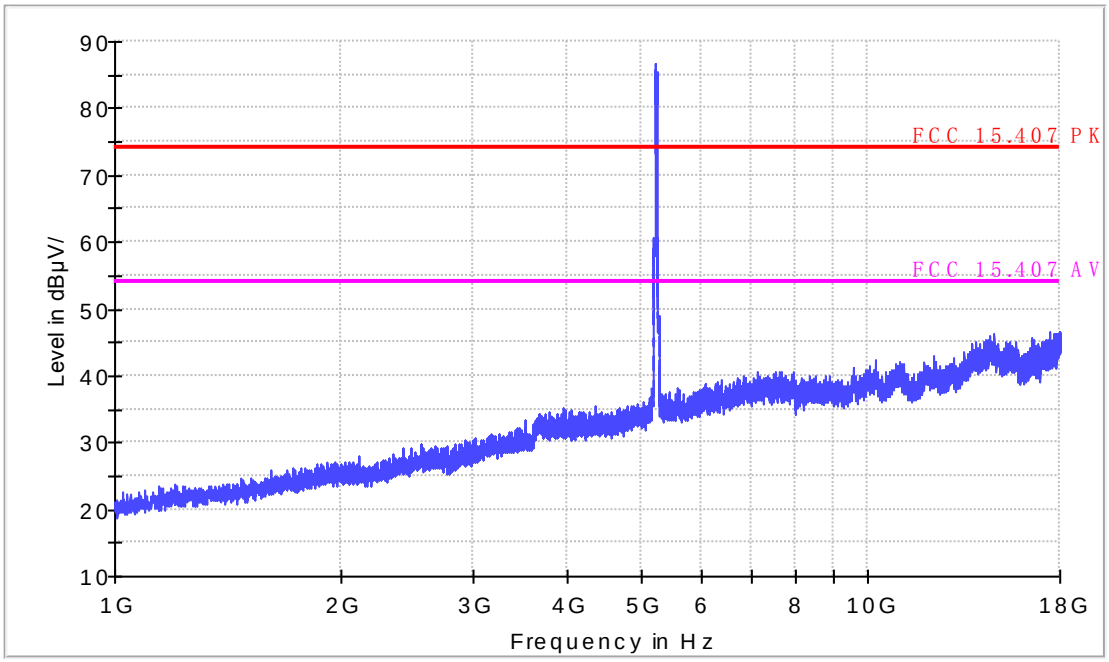
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH46
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

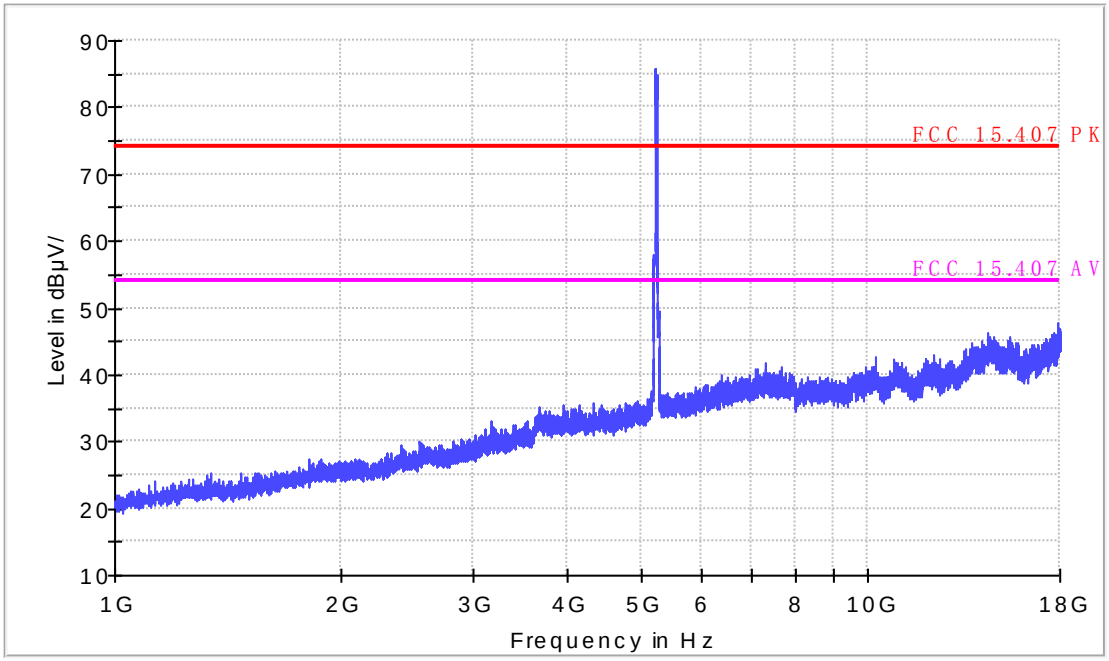
EUT Information

EUT Model Name:	7071A
Operation mode:	11n HT40 CH46
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.3GHz BAND

Ch52

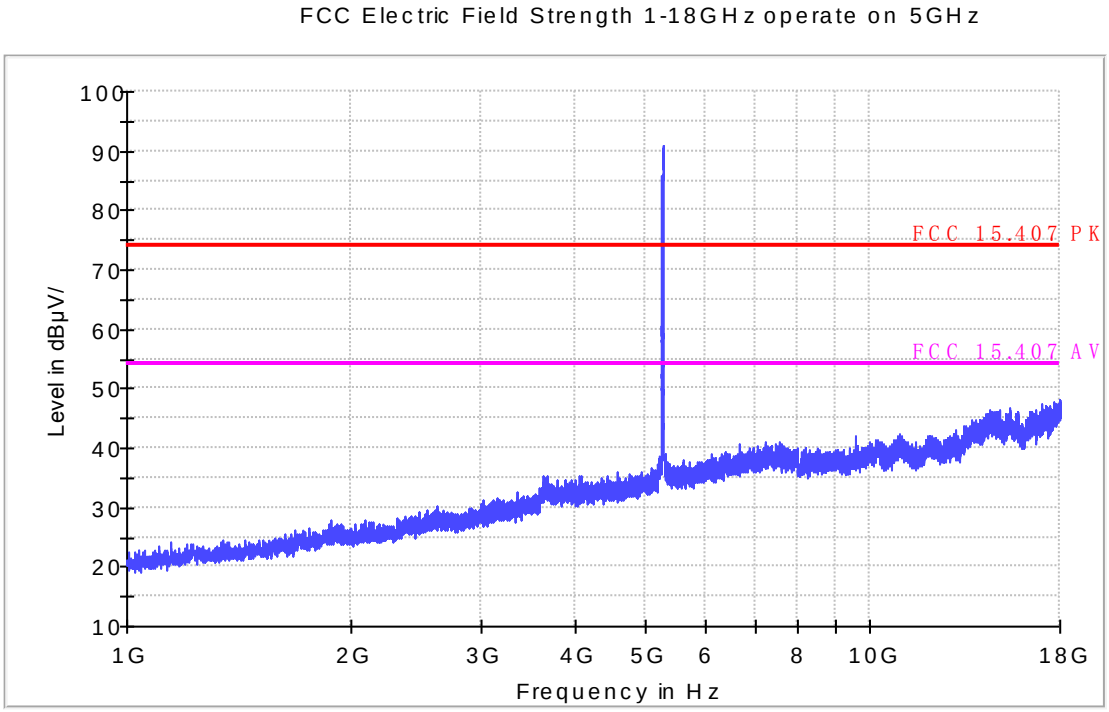
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH52
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

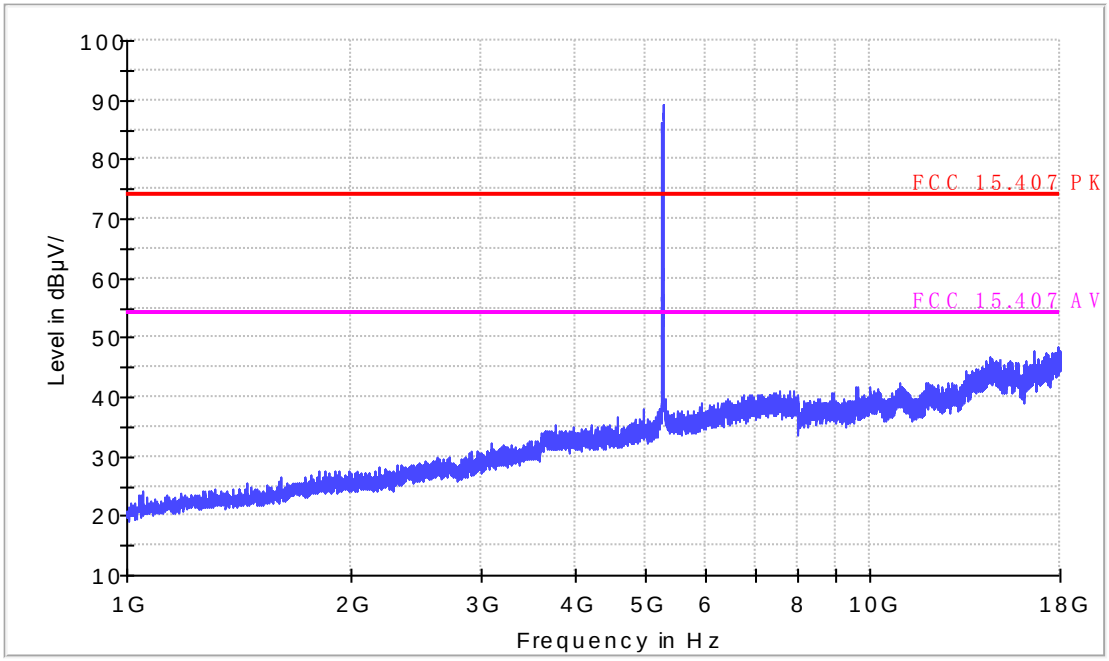
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH52
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.3GHz BAND

Ch56

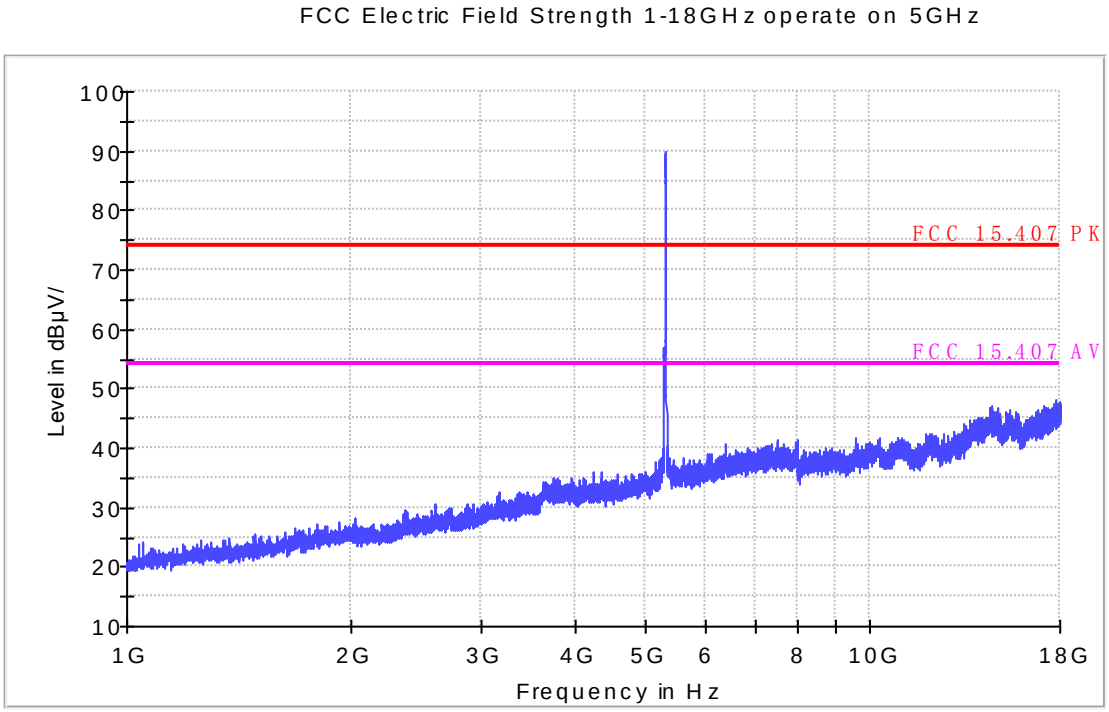
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH56
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

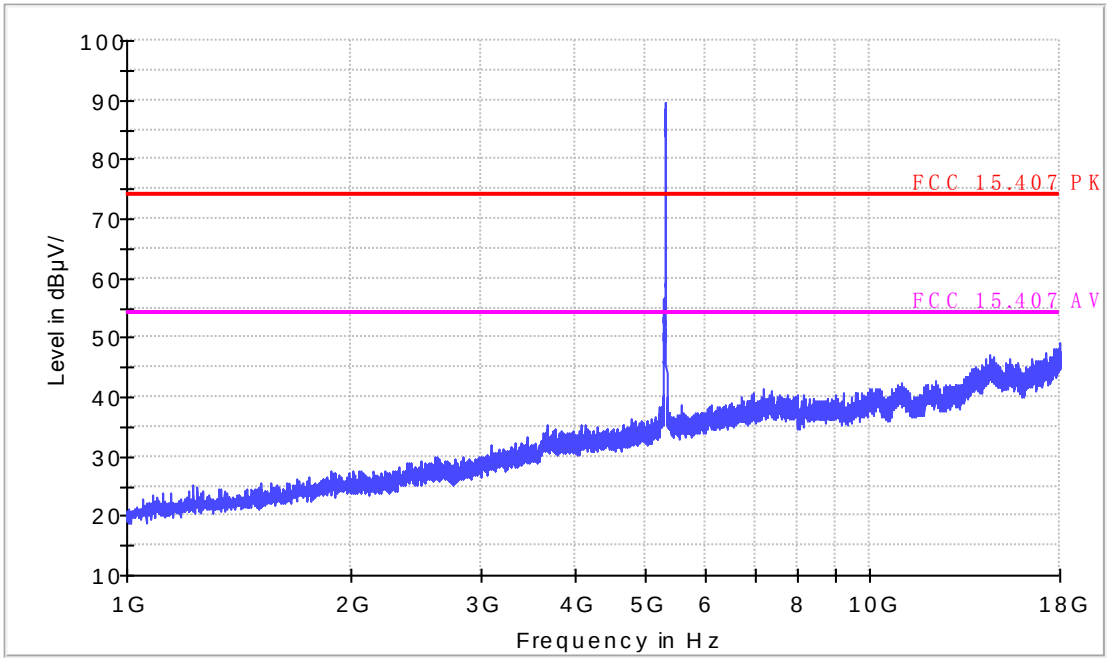
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH56
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.3GHz BAND

Ch64

Radiated Emission

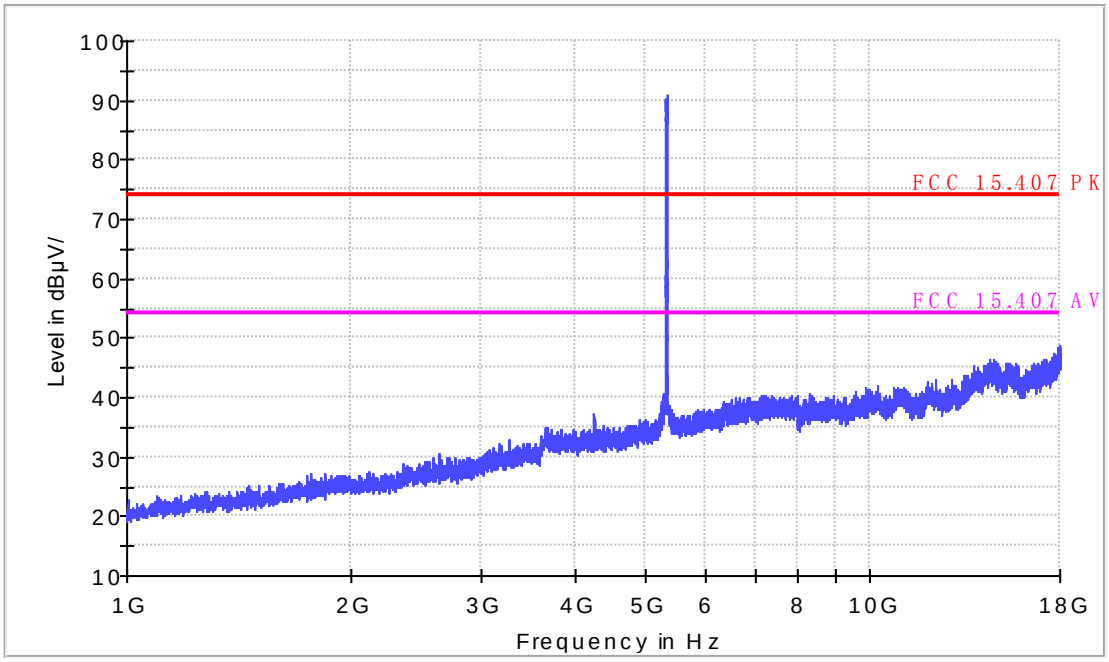
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH64
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

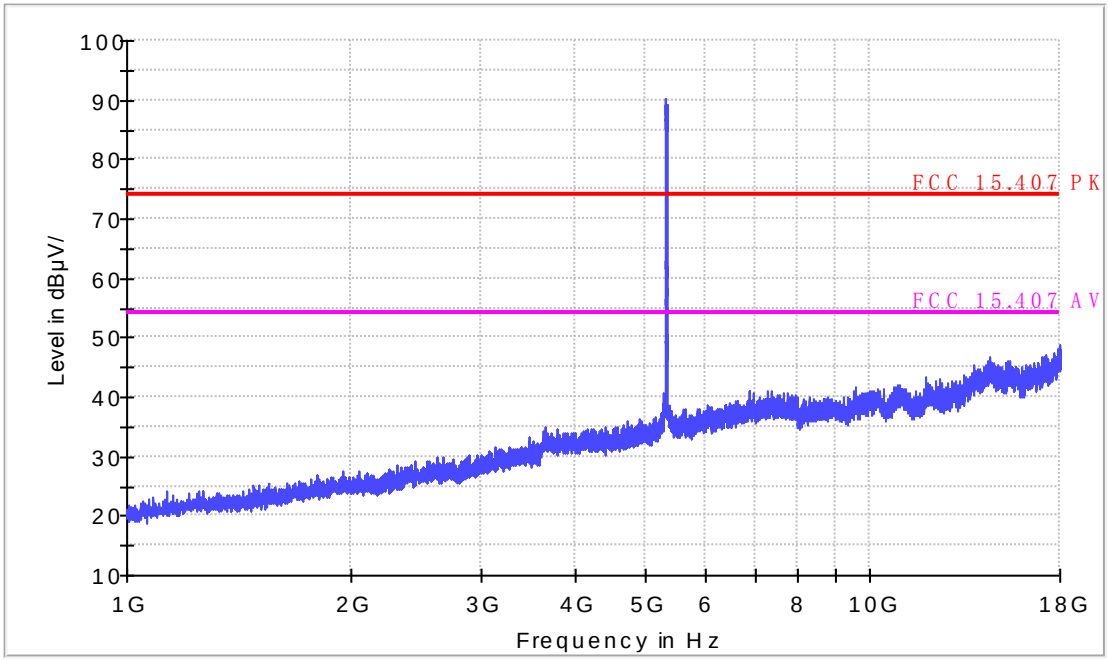
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH64
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.3GHz BAND

Ch52

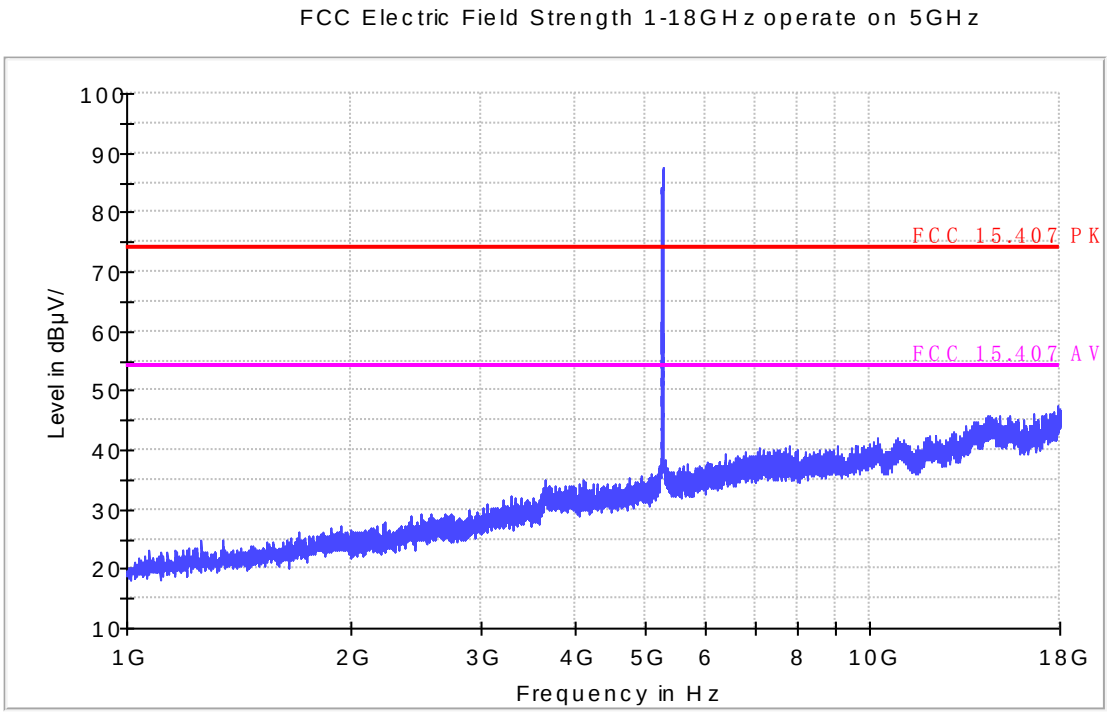
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH52
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

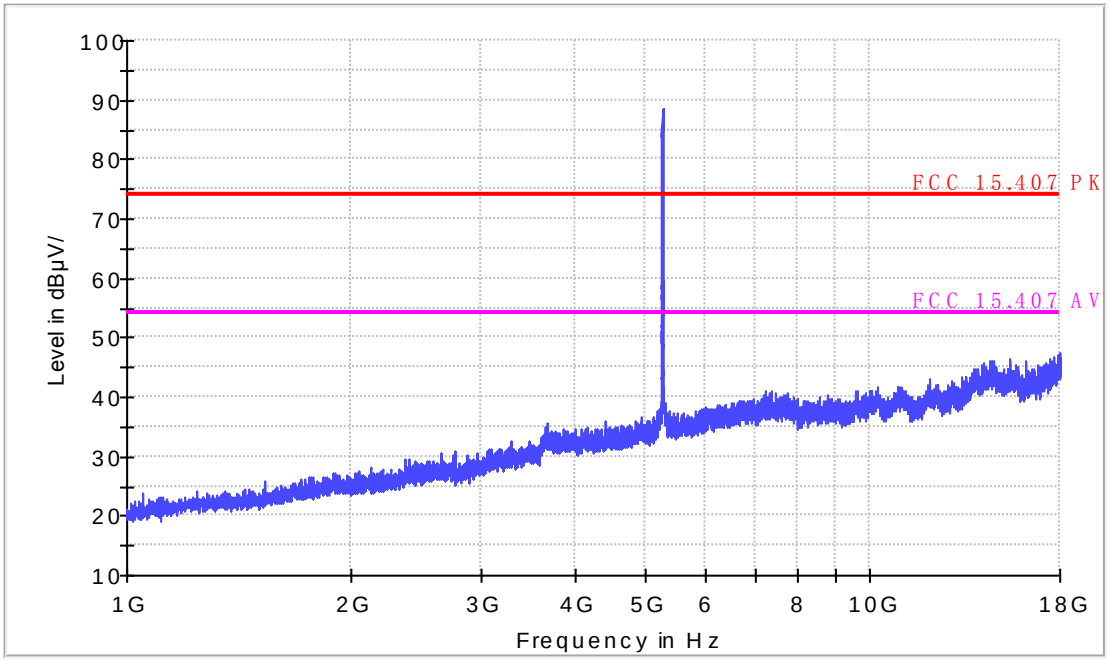
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH52
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.3GHz BAND

Ch56

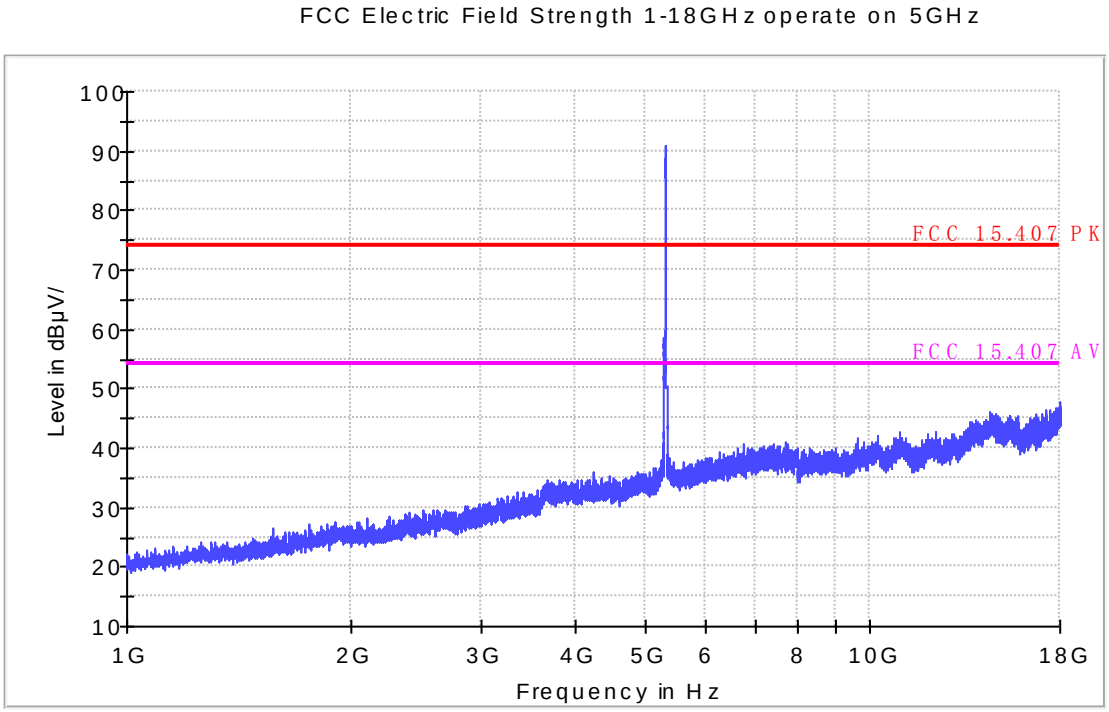
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH56
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

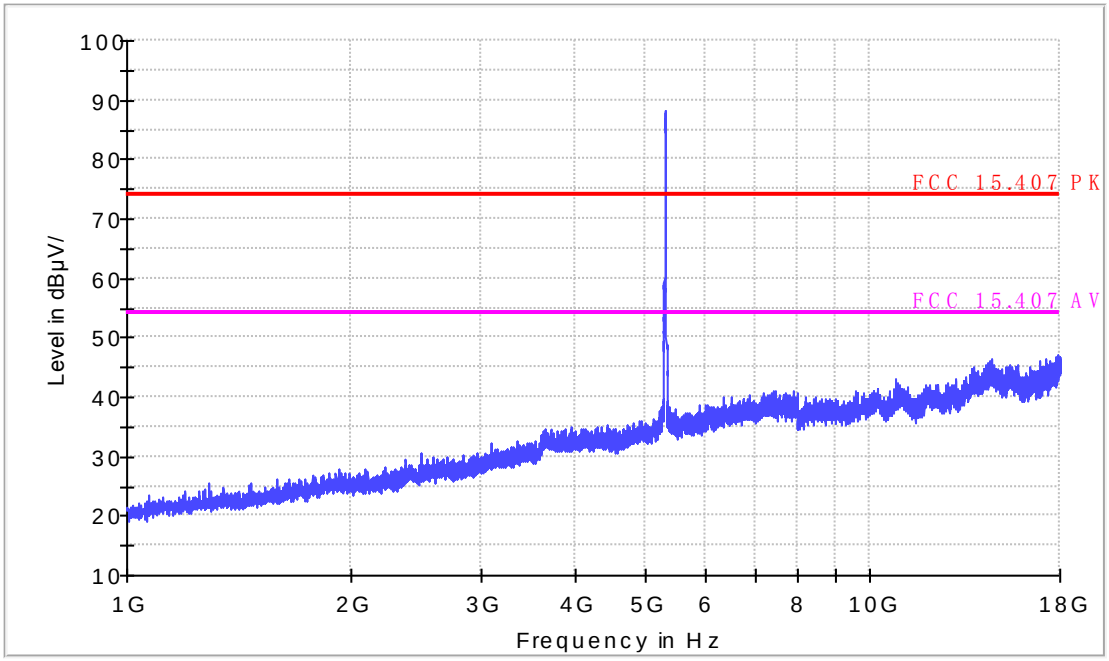
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH56
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.3GHz BAND

Ch64

Radiated Emission

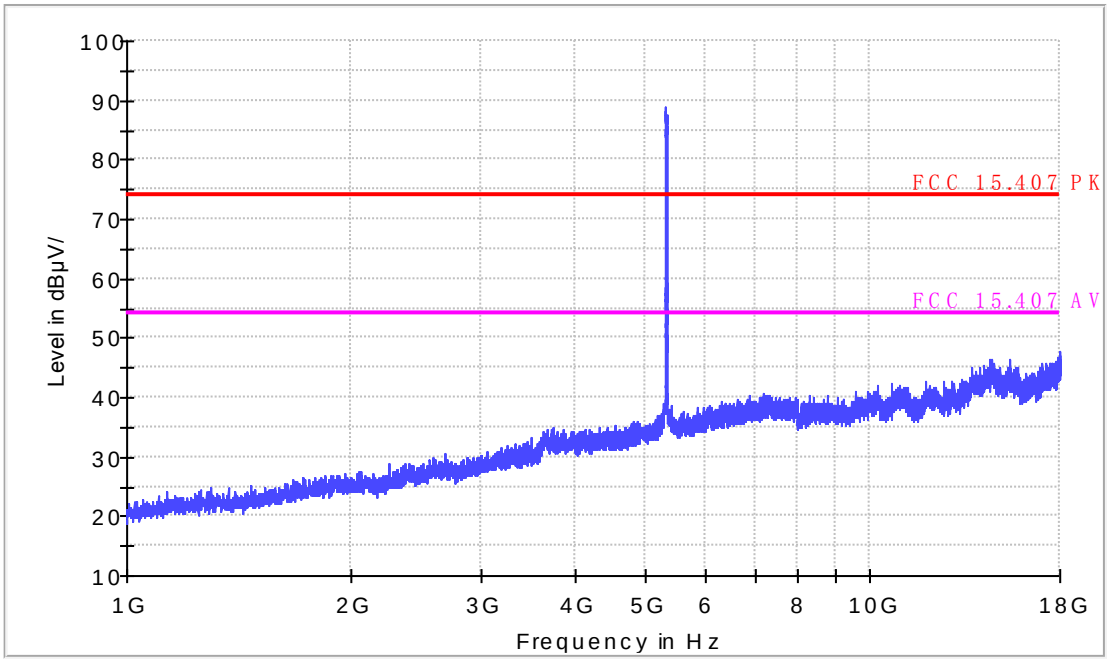
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH64
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

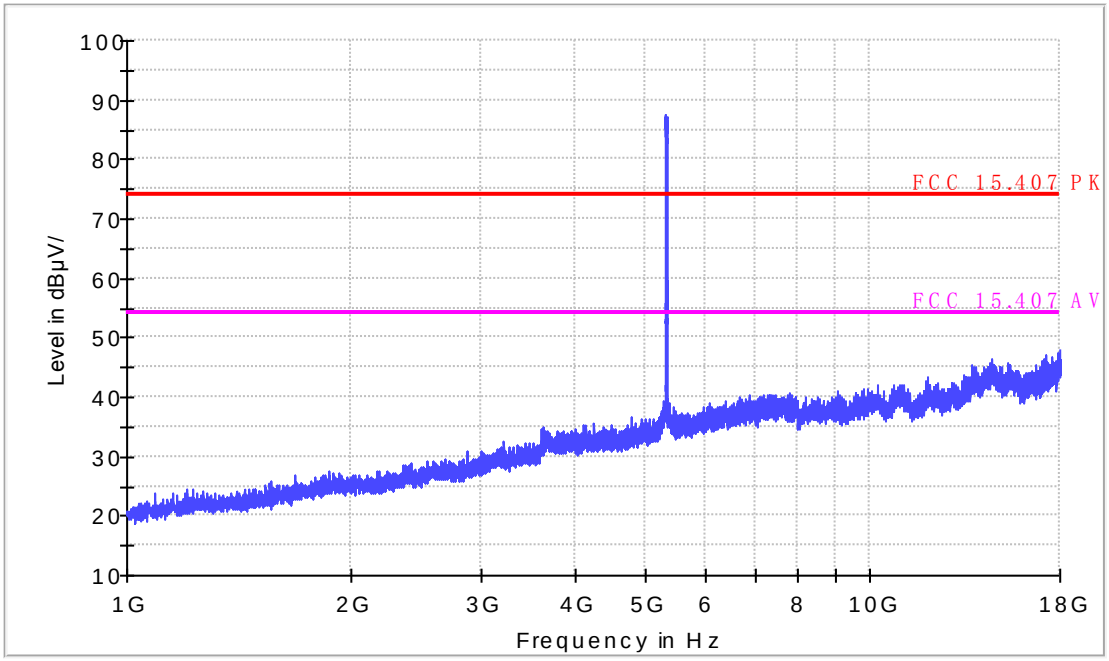
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH64
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT40 IN THE 5.3GHz BAND

Ch54

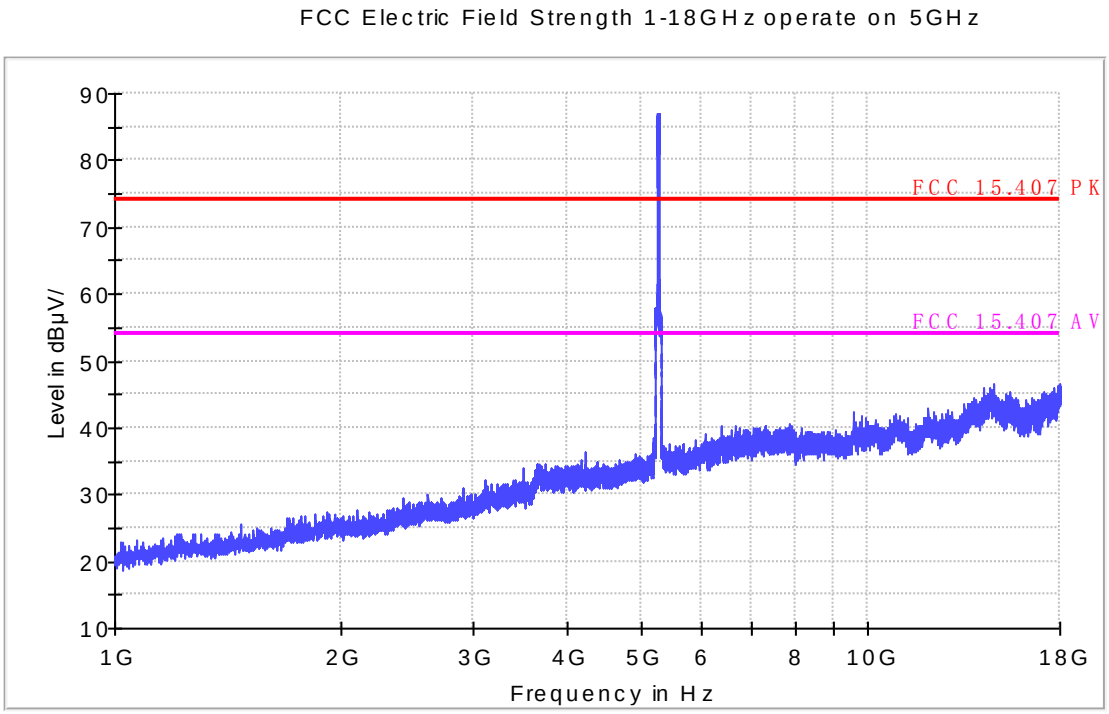
Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH54
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	



Radiated Emission

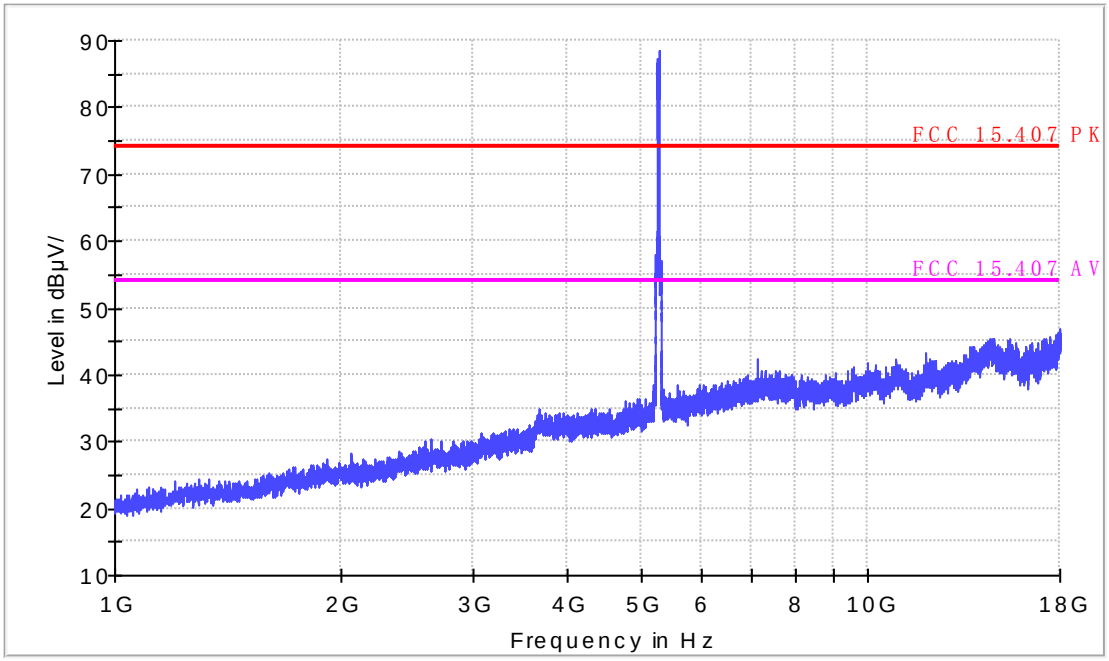
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH54
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11n HT20 IN THE 5.3GHz BAND

Ch62

Radiated Emission

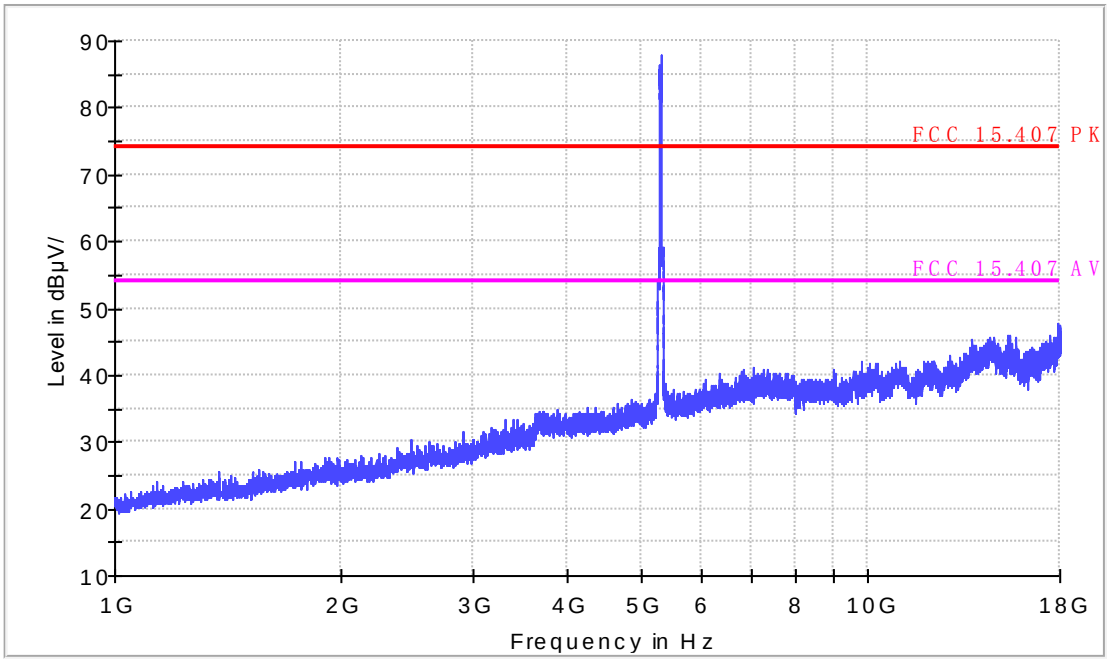
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH62
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

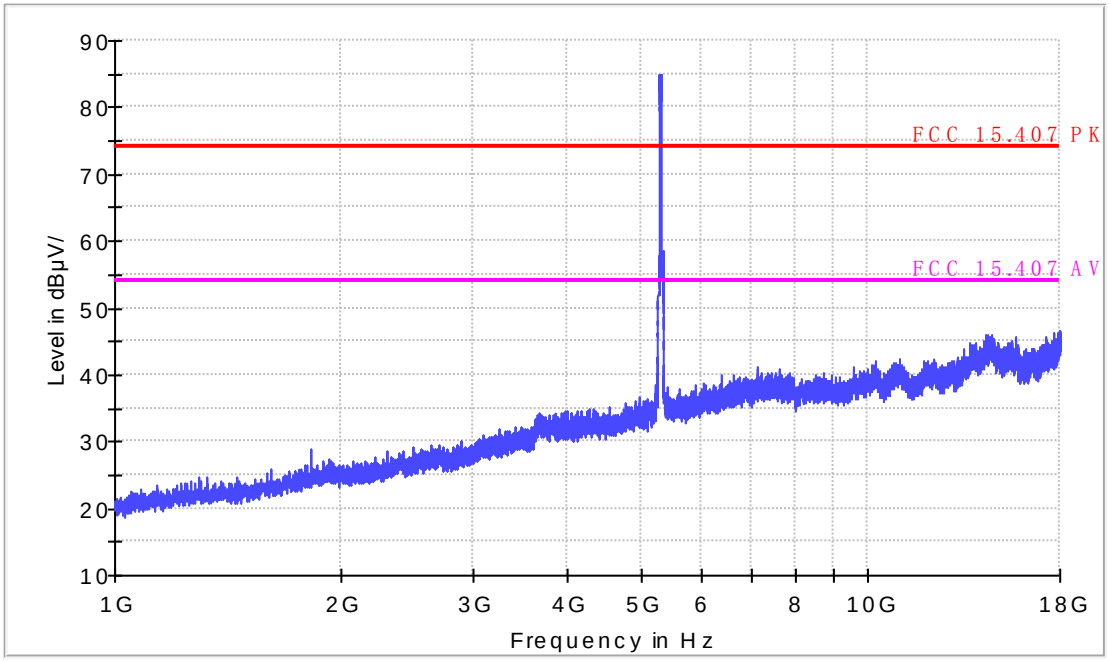
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH62
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



1-18G

11a IN THE 5.8GHz BAND

CH149

Radiated Emission

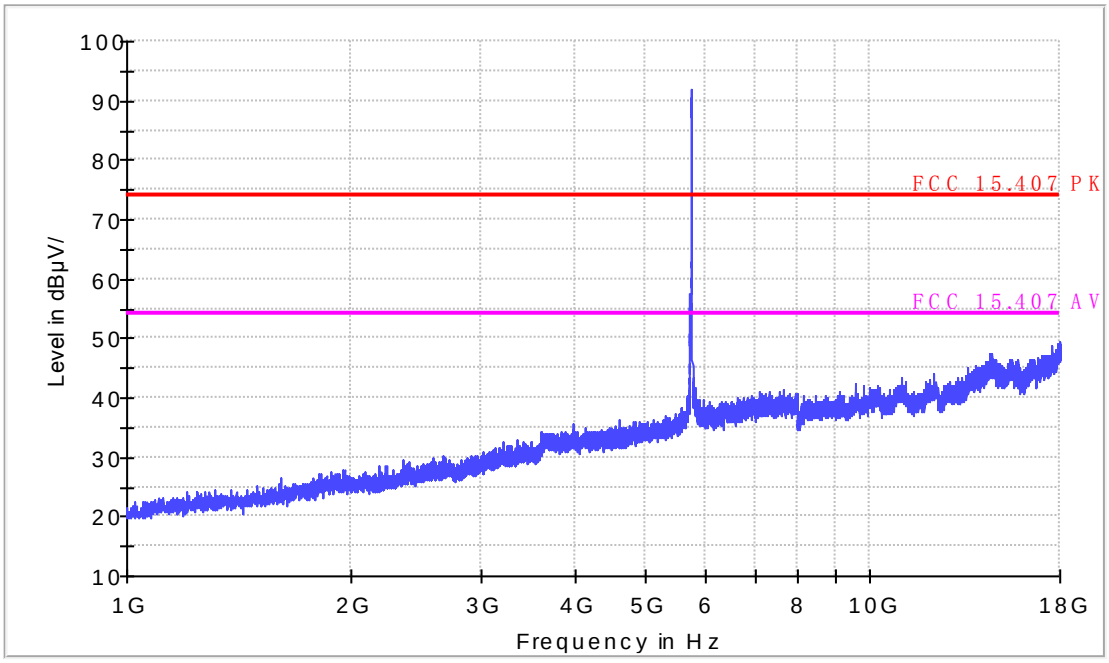
EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH149
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz



Radiated Emission

EUT Information

EUT Model Name:	7071A
Operation mode:	11a CH149
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 5GHz